



Monday, June 26, 2017

6:00 PM

Administration Center

Board Room, 1130 Fifth Avenue, Chula Vista, CA

A. Opening Procedures

1. Call to Order
2. Roll Call
3. Closed Session (Meeting Notice)
4. Moment of Silence
5. Pledge of Allegiance
6. Approve Agenda with Flexibility

B. Board Presentations / Announcement of Awards

1. Recognition of staff from UCSD for their dedicated service to the Adelante Latino Conference
2. Recognition of Xavier Serena for serving as the 2016-2017 student board representative, and introduction of Isaiah Irizarry, the 2017-2018 student board representative
3. Superintendent's Message
4. Report from Xavier Serena, student board representative, on meetings with student ASB Presidents

C. District Committee Reports

1. District English Learner Advisory Committee Report (presented on second Monday)
2. Citizens' Bond Oversight Report (presented on fourth Monday)

D. Public Communication

1. Public Hearings
2. Public Communication on Non-Agenda Items

E. Formation and Approval of Consent Agenda

F. Superintendent Discussion Items

1. Adoption of Minutes: June 12, 2017 - Regular Board Meeting.
2. Calendar of Board of Trustees Meetings – 2016-2017.
3. Report on board requests for information and policy direction to staff.
4. Approve the necessary Lawson System upgrades and authorization for the superintendent and/or designee to sign service and maintenance agreement(s) related to this project.

G. Instructional Support Services Discussion Items

1. Approve Contract with Deaf Community Services for payment of interpreting service costs for students in special education who are deaf and require American Sign Language interpretation per Individualized Education Program specifications for the 2017-2018 school year.
2. Report on excursions and field trips.
3. Approve contracts with certified nonpublic, nonsectarian schools and agency services for students with disabilities who require them according to their Individualized Education Programs (IEPs) for the 2017-2018 school year.
4. Approve contracts for payment of room and board costs (inclusive of Educationally Related Mental Health Services & Tuition) for students requiring Residential Treatment Center placement as outlined in their Individualized Education Programs for the 2017-2018 school year.
5. Approve Contract with San Diego Center for Children for payment of mental health costs for students requiring day rehabilitation services as outlined in their Individualized Education Program for the 2017-2018 school year.
6. Approve Advancement Via Individual Determination (AVID) Implementation Agreement between the AVID Center and the Sweetwater Union High School District to prepare all students for college readiness and success in a global society.
7. Approve the Consolidated Application (ConApp) Spring Report for the 2016-2017 school year.
8. * Adopt the Local Control Accountability Plan (LCAP) for the 2017-2018 academic year.
9. Approve the submission of the draft Single Plans for Student Achievement (Site Plans) for the 2017-2018 school year.
10. Approve Agreement with AVID College Readiness System and Products for AVID Excel with the Sweetwater Union High School District (SUHSD) for the 2017-2018 school year.

H. Student Services Discussion Items

1. Approve the appointment of California Interscholastic Federation (CIF) league representatives for 2017-2018, by name and title, to the San Diego CIF Section office.
2. Approve Agreement with Heads Up Football, LLC, to continue to provide football safety techniques along with concussion and sudden cardiac arrest training.

I. Alternative Education Discussion Items

J. Adult Education Discussion Items

1. Approve Agreement between Pearson-Vue and the Division of Adult Education, Chula Vista Adult School, for General Educational Development (GED) testing, for the period of July 1, 2017, through June 30, 2018.
2. Approve Agreement between Educational Testing Service (ETS) company and the Division of Adult Education, Chula Vista Adult School, for the ETS HiSET program, for the period of July 1, 2017, through June 30, 2018.
3. Approve the Memorandum of Understanding Phase II between the

Workforce Innovation and Opportunity Act partners and the San Diego Workforce Partnership to ensure alignment and collaboration between the Division of Adult Education and the local priorities identified by the San Diego Workforce Partnership.

4. Approve new course descriptions for the Division of Adult Education.
5. Approve revised course descriptions for the Division of Adult Education.

K. Fiscal Services Discussion Items

1. Ratify the following for the month of May 2017: 1) warrants in payment of salaries written from the funds of the district; and 2) warrants in payment of invoices written from the funds of the district.
2. * Adopt the Sweetwater Union High School District's 2017-2018 Proposed Budget.
3. Approve Actuarial Valuation Study.

L. Human Resources Discussion Items

1. Approve/ratify certificated personnel actions processed by the human resource services division between the dates of May 1, 2017, and May 31, 2017.
2. Approve/ratify classified personnel actions processed by the human resource services division between the dates of May 1, 2017, and May 31, 2017.
3. Approve the following appointments for members of the Citizens' Bond Oversight Committee:

Nick Marinovich, At-Large Member, Term: July 1, 2017, to June 30, 2020;

Dominique Navarro, At-Large Member, Term: July 1, 2017, to June 30, 2020;

Erica Balakian, At-Large Member, Term: July 1, 2017, to June 30, 2018; and

Albert Sides, Parent/Guardian of a Student, Term: July 1, 2017, to June 30, 2020.

M. Planning and Construction Discussion Items

1. Accept the progress reported within the Capital Projects Monthly Status Reports and approve budget adjustments for new and revised projects and budgets.
2. Approve/ratify planning and construction consultant agreements and amendments.
3. Adopt the Guaranteed Maximum Price (GMP) 30 percent estimate for the District-Wide HVAC (Heating, Ventilation, and Air Conditioning) Project Phase 2.
4. Accept district's progress report on the audit observations and recommendations for the Proposition O Performance Audit for the fiscal year ending June 30, 2016.
5. Conduct a second reading and adopt the district standards for planning and construction.

N. Purchasing Discussion Items

1. Ratify purchase orders issued for the period of May 1, 2017, through

May 31, 2017, and purchase order adjustments for the period May 1, 2017, through May 31, 2017.

2. Ratify confirmation received orders for the period of May 1, 2017, through May 31, 2017.

O. Operations / Other Business Discussion Items

1. Approve Agreement between the Sweetwater Union High School District and Food Safety Systems for the purpose of Hazard Analysis Critical Control Points (HACCP) monitoring, and staff trainings, food safety training and data reporting.

P. Policy Review

1. Approve revised Board Policy 3513.1, Cellular Phones.

Q. Resolutions

1. Adopt annual Resolution No. 2487, Authorizing Temporary Transfer of Funds for Maintenance Purposes.
2. Adopt annual Resolution No. 4231, Authorizing the Transfer of Revenues from Incremental Increases in Tax Rates into the Education Protection Account During the 2017-2018 Fiscal Year.
3. * Adopt Resolution No. 4510, for Board Member Compensation for Nonattendance at a Regular Board Meeting.

R. Mello-Roos Discussion Items

1. **Mello-Roos**

Acting as the legislative body for Community Facilities District Nos. 1, 2, 3, 4, 5, 6, 8, 9A, 9B, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20.

* Conduct second reading (motion to conduct reading by title only) and adopt Ordinance No. 22, Ordinance of Community Facilities District No. 19 of the Sweetwater Union High School District Authorizing the Levy of a Special Tax Within Improvement Area Nos. 1 and 2 of Community Facilities District No. 19.

S. Board Communication

1. Board Communication and/or Requests for Future Board Agenda Items

T. Adjournment

1. Adjournment



June 26, 2017

Board Item - A.-3.

ATTACHMENTS:

Description

Meeting Notice

Type

Backup Material

SWEETWATER UNION HIGH SCHOOL DISTRICT

NOTICE OF SPECIAL MEETING

Written notice is hereby given in accordance with Education Code Section 35144 and Government Code Section 54956 that the following special meeting of the Governing Board of the Sweetwater Union High School District will be held and in accordance with Government Code Section 54954.3(a), the board will provide an opportunity for members of the public to directly address the legislative body concerning any item that has been described in the notice for the meeting before or during consideration of that item.

DATE: Monday, June 26, 2017

TIME: 4:30 p.m.

PLACE: Administration Center
Board Conference Room
1130 Fifth Avenue
Chula Vista, CA 91911

(The regular meeting scheduled for June 26, 2017, begins at 6:00 p.m.)

Items to be considered are noted on the reverse side of this page.

Board of Trustees

Paula Hall

Kevin J. Pike

Nicholas Segura

Arturo Solis

Frank A. Tarantino

Superintendent

Karen Janney, Ed.D.

COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT

Sweetwater Union High School District, in complying with the Americans With Disabilities Act (ADA), and California Government Code Section 54953.2, provides special accommodations to individuals who may need assistance with access, attendance and/or participation in board meetings, including alternative formats for agendas, documents constituting agenda packets, and materials distributed during public meetings. Upon written request to the district, disability-related modifications or accommodations, including auxiliary aids or services, will be provided. Contact Deanne Vicedo, clerk of the board, at (619) 585-4405 for specific information on existing resources or programs that may be available for such accommodations. Please call at least 48 hours in advance of meetings and five days in advance of scheduled services and activities. Translation and Hearing-Impaired services are also available.

Items to be considered in closed session

June 26, 2017

1. PUBLIC EMPLOYEE DISCIPLINE/DISMISSAL/RELEASE/
RECLASSIFICATION/REASSIGNMENT/RESIGNATION/TRANSFER - Government
Code Section 54957

2. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - Paragraph
(1) of Subdivision (d) of Government Code Section 54956.9

Name of Cases: SUHSD v. Julian Union Elementary School
District/Diego Plus/Diego Valley Charter
Huerta v. SUHSD, 37-2016-00045948-CU-PO-CTL

3. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION -
Paragraph (2) of Subdivision (d) of Government Code Section
54956.9

Number of Cases: 1

4. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION -
Paragraph (4) of Subdivision (d) of Government Code Section
54956.9

Number of Cases: 1

5. CONFERENCE WITH LABOR NEGOTIATOR - Government Code Section
54957.6

Labor Negotiator: Jennifer Carbuccia and Scott Hendries

Employee Organizations:

Sweetwater Education Association (SEA)
Sweetwater Counseling and Guidance Association (SCGA)
California School Employees Association (CSEA)
National Association of Government Employees (NAGE)

Non-represented Groups:

Management Association of the Sweetwater District (MASD)
Confidential Unit



June 26, 2017

Board Item - C.-2.

ATTACHMENTS:

Description	Type
 CBOC Report	Backup Material

Nick Marinovich
8535 Hillcrest Avenue
La Mesa, CA 91941
619-934-4982
nickmarinovich52@gmail.com

June 23, 2017

To: President Arturo Solis
Board Member Paula Hall
Board Member Frank Tarantino
Board Member Kevin J. Pike
Board Member Nicholas Segura

Dear President Solis:

Thank you for the opportunity to present this report on the status of the Proposition O Bond Program. This monthly Chair Report will present a brief overview of our Citizen's Bond Oversight Committee (CBOC) developments since the last regular Board meeting on May 22, 2017.

There was no Bond Oversight Meeting held as originally scheduled for June 21, 2017. Two members were not able to attend due to personal/professional commitments, the CBOC has two positions vacant due to resignations, and the level of new activity since the last meeting had not changed significantly enough to warrant a meeting.

This is the first time in five years a CBOC meeting has been cancelled. This is a testimony to the commitment of this Committee to the task of reporting to the citizens on the expenditure of bond proceeds.

While we did not have a meeting and there will selection of a Chair Item on the next agenda, this is an opportunity for myself representing the CBOC to reflect on what has been accomplished the past fiscal year and where the Committee is likely to be considering moving forward next year. Much of the information provided here is synthesized and summarized from the 11 Chair Reports presented to the Board this fiscal year.

Recent Developments

Highlight of development over the past month are as follows:

CBOC Member Interviews. On June 7, 2017 interviews were held for the four positions that are open beginning June 30, 2017. There were three At large and one Parent with a Student positions being considered. The Chair's position was included within these interviews and I was interviewed. The Chair found the process fair, thorough, and probing. Applying for the Committee was conducted like a job interview. It works well and the District should be commended.

Performance Audit Interviews. On June 8, 2017, the Chair represented the CBOC on the Interview Panel for Performance Audit consulting work. The process was thorough, fair, and well organized. The Evaluation Committee consisted of individuals with stellar backgrounds and understood the nature of the work requested. Kudos to the leadership of Purchasing Manager George Williams for the procurement process.

San Diego County Taxpayers Association Bond Support Criteria Working Group. Both Terry McKearney and myself are members of the San Diego County Taxpayers Association (SDCTA). Member McKearney Chairs this large group consisting of SDCTA Board of Directors, School Districts, and some "rank and file" members of SDCTA such as Mr. McKearney and myself.

The current criteria are attached to this report. On this Monday June 26, 2017 the Group will be meeting to review a final draft of the proposed changes. There are several issues still open for discussion including whether the existence of a Project Labor Agreement (PLA) would automatically disqualify any new Bond Program proposal from SDCTA support.

While our CBOC has had issues with a PLA both Mr. McKearney and myself feel a PLA should not be an “automatic disqualifier”. The results of this Group’s work will be reported to your Board. Dr. Aguirre has been informed of the developments and participated at one of its earlier meetings.

One of the most likely new developments in the review of a proposed bond measure will be the historical quality of bond oversight. The primary tool for this review will be the Annual Bond Transparency Scorecard prepared by the SDCTA. This behooves the CBOC and District to make sure we are compliant with law and best practices in bond oversight when it comes to SDCTA Support if a bond measure arises.

Chronological Highlights of FY 16/17 Bond Oversight

In order to highlight the issues and progress this fiscal year, I have included excerpts from some of the “Concluding Remarks” found at the end of each Chair Report:

- July 22, 2016. “In this coming fiscal year the CBOC will have a continuing interest on reviewing and commenting on the cost effectiveness of the Program and its proposed enhancements and changes. There will be a continued emphasis on monitoring the progress of implementing the last two Performance Audit recommendations. We are hoping for significant progress in their implementation. At present there are at least two major ongoing issues that have the continued strong interest of the CBOC: 1) Cost and Quality impact of the Project Labor Agreement 2) Assurance there is a strong Warranty Log system in place and operational for protecting District Assets.”
- August 22, 2016. “The CBOC continues to emphasize the need for classroom improvements, is supportive of the HVAC improvements done in a comprehensive not piecemeal fashion, and will continue to closely monitor the Warranty Compliance issue and the overall communication and interface between Maintenance Staff and the onsite School personnel and the Planning and Construction Department. In addition, the CBOC has a strong interest in making sure the District’s record keeping is Best Practice.”
- October 24, 2016. “The CBOC continues to emphasize the need for classroom improvements, is supportive of the HVAC improvements done in a comprehensive not piecemeal fashion, and will continue to closely monitor the Warranty Compliance issue and the overall communication and interface between Maintenance Staff and the onsite School personnel and the Planning and Construction Department. In addition, the CBOC has a strong interest in making sure the District’s record keeping is Best Practice.”
- November 14, 2016. “We are pleased with the staff efforts and responsiveness. There has been consistent strong CBOC support for doing the maximum possible HVAC projects rather than “piece mealing” this effort. There are still significant areas identified for improvement in the Bond Program/Maintenance but Dr. Aguirre is clearly communicating to us. In closing, our CBOC has a definite interest in weighing in on a future bond election.”
- January 20, 2017. “We continue to work towards the following six goals: 1) To remain vigilant to make sure our assets are preserved via adequate resources provided to the maintenance program 2) To support the District’s priorities to provide air conditioning to all instruction and support areas 3) To support of the efforts of Frank Mendoza to improve the maintenance functions 4) To continue to examine and discuss what if any impact Project Labor Agreements have on projects 5) To remain focused on assuring student safety 6) To continue to press for cost benefit analysis.”
- February 22, 2017. “Law Suit Settlement costs should be “lock boxed” to be spent on the pressing Proposition O facility needs of the District. It is very important there be a six month review of the

results of the pending Performance Audit. There needs to be a better handle on up front estimating of Title IX Costs and Program needs. A Whistleblower Program is an idea worthy for serious consideration.”

- March 23, 2017. “The future master planning has the keen interest of the CBOC along with warranty compliance. The update of the Bond Scorecard is very important to our overall role as a CBOC.”
- April 24, 2017. “This was a positive CBOC meeting and it is obvious we are making progress. Mr. Malone was a major positive in his observations. Very important issues remain which primarily include getting a more robust, specific, and comprehensive master plan and assurance our valuable Proposition O Assets are maintained properly and up to date with Warranty Compliance.”
- May 22, 2017. “This was a positive CBOC meeting and it is obvious we are continuing to make progress. The District is taking the Performance Audit Recommendations seriously. The overall reporting of information to the CBOC has improved the past several years. We continue to be pleased and impressed with the direction of the Maintenance Department.”

Rather than restate again our progress, I encourage you to read the very first Chair Report attached.

Concluding Remarks

After over five years on this Bond Oversight and being Chair of this Committee for almost the same amount of time it has been an honor to serve and represent the CBOC. We have had great members who are engaged and that is why our Bond Oversight works well.

I want to acknowledge the leadership of Bernardo Vasquez the former Chair of the CBOC. In addition, the Citizens of this District including Kathleen Cheers and Maty Adato have been instrumental in providing information and insight to our CBOC. Lastly the diligent media who covered this District under very dark times also made a difference. We must never forget Susan Luzarro from the Reader.

In this coming year our CBOC will continue to focus on the progress in implementing the Audit recommendations, making sure our Assets are maintained properly and subject to warranty compliance, and we have continued improved record keeping and best practices on project management. There eventually be another Bond Scorecard prepared by the CBOC where we weigh in on the readiness of the District for a new Bond Measure.

Implementation of the Performance Audit recommendations in a timely and thorough basis will go a long way in garnering our potential support. Further refinements and structure in the District Master Plan/Priority setting process and assurance that adequate resources/processes are available for an expanded bond program are major outstanding issues. At our next CBOC meeting we will have a specific agenda item to focus on this Master Plan Issue.

Sincerely,

Nick Marinovich

Nick Marinovich, Chair
Sweetwater Union High School District Bond Oversight Committee

Nick Marinovich
2488 La Costa Avenue
Chula Vista, CA 91915
619-934-4982
nickmarinovich52@gmail.com

July 22, 2012

Sweetwater Union High School District
Pearl Quinones, Board President
1130 Fifth Avenue
Chula Vista, CA 91911

Dear Ms. Quinones:

Thank you for the opportunity to represent the Citizen's Bond Oversight Committee (CBOC). The purpose of this letter is to present a summary of CBOC discussions since your last Board meeting on June 11, 2012. The CBOC met on June 23, 2012 and July 12, 2012. Key action and discussion issues were as follows:

- There is frustration regarding the lack of a prompt and proactive response to the "Eric Hall and Associates Proposition O Performance Audit Fall 2006 to Summer 2011." This report was published on March 20, 2012. The District response was not released until Saturday July 20, 2012, a total of 92 days. Earlier, the Committee did hear presentations on the report from Eric Hall and Associates. Very little input was sought from the Committee in developing a response to the Audit, which covered the very issues that are under our purview pursuant to the California Education Code. The Committee's expertise and time could have been utilized to develop some consensus on moving forward, rather than reacting to a report submitted by staff. Such a District strategy of non-inclusion is inconsistent with a recommendation on Page 58 of the Hall Report which states "The CBOC should play a critical role in increasing the community's confidence in the Proposition O program."
- The acquisition of iPads with Proposition O Funds was not made with an adequate long term strategy in place. There was considerable discussion and varying degrees of frustration with an apparent lack of long term strategic planning in relation to acquisition of iPads. Issues such as long term useful life, technological changes in hardware and software, the relationship of the iPad functions juxtaposed to educational needs and

how the iPad acquisition fits into the long term Information Technology Plan for the District were discussed. Although the CBOC agreed the bond language did not prohibit the use of funds for this technology, we repeatedly asked the District to provide a comprehensive plan on how they would continue to fund iPads over the next five years as well as how they planned to measure their success. The response was that for funding they will apply for grants and look for future money. As of our last meeting there was no apparent metrics to analyze the effectiveness of this investment in iPads. This is an unacceptable response when \$1.8 million in bond funds are being used this year with more to be used in the future. In short, the Committee felt that the decision(s) to purchase iPads proceeded too fast, without a complete vetting of pros, cons, alternatives, and consequences.

- There is a need for much more clarity in assuring that no Proposition O Funds are being used as loans to fund District operations. Because of media and public inquiries and past actions by the District, the Committee has been very diligent on insisting that there be clear and understandable assurance that no Proposition O funds are being used for operations. A report submitted by District staff on June 23, 2012 attempted to allay our concerns. However, frankly the report was difficult to understand (e.g. contained handwritten notations-see attached report). The Committee has requested that the County of San Diego Auditor and Controller, who administers the funds, address us at our next meeting regarding this issue. The phrase “trust but verify” applies here.
- We requested and just received assurance that no Proposition O Funds would be used to remove the dirt at Southwest High School. Because of significant citizen and media inquiries about the dirt at Southwest High and the use of Proposition O Funds on other projects at Southwest, the Committee requested and received a letter stating that no Proposition O funds would be used to deal with dirt removal. There were considerable discussions regarding the Southwest dirt and its issues in relation to other findings and concerns raised at prior Committee meetings and the Hall Report (e.g. the lack of transparency in certain District facility decisions). This lack of transparency perception was made even worse when a Committee member requested more information about the Southwest dirt situation. He was told that such information would have to be obtained through a Public Records request since it was not a Proposition O project.
- The CBOC discussed sending a letter to the County Board of Education and California State Board of Education regarding District Finances. No action was taken at this time regarding sending a letter from the Committee requesting a review (e.g. Forensic Audit) on the expenditure of District funds and the Bond program. This Committee concern was an outgrowth of the lack of clear information on recent Prop O cash flow


information and the number of management problems raised in the Hall Report that had yet been responded to as of our last July 12, 2012 CBOC meeting. Candidly, the Committee does not feel we are getting all the full-unvarnished information we need to effectively achieve our mission. In short, we are formally putting the District on notice that we will formally request the forensic audit and draft a letter if the District continues with its lack of transparency.

- The CBOC discussed change Orders and Contingency actions requiring further refinement and reporting to the Committee. There were several discussions about historical contingency changes (e.g. Southwest High and Montgomery Middle School) in relation to original and approved budgets and subsequent project changes. District staff will be working with the Chair to refine reports to increase transparency to the Committee and the Public, including responding back to citizen inquiries.
- A new Chair was elected. On June 23, 2012 I was elected Chair of the CBOC. I have over 32 years of County of San Diego Government experience, primarily in long range facility planning, Project Management for large scale capital projects (e.g. Hall of Justice), and selection and management of consultant contracts. Ending in 2007, I was a member of the BB Oversight Committee. Since taking over as Chair, weekly meetings occur with District staff Paul Woods to go over details and questions covered at meetings, updates on status of Proposition O projects since the last Committee meeting, and setting of agenda and related backup for CBOC meetings.

In summary, the CBOC is an active, questioning, and diligent group of volunteers who listens but it is not shy in raising thorny but important issues regarding the Oversight of Proposition O Funds. There is an under current of frustration and feeling that certain information is not forthcoming at all or difficult to understand when presented, raising further concerns. The Committee has shown restraint to this point when presented with potential actions, such as requesting a letter to the Board of Education and State Board of Education on District finances. It is hoped that the District takes our charge seriously and works with us for positive change.

Thank you for your consideration of my comments made on behalf of the Citizen's Bond Oversight Committee.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Marinovich', with a long, sweeping horizontal line extending to the right.

Nick Marinovich, Chair
Proposition O Bond Oversight Committee

Cc:Jim Cartmill, Board Vice President
John McCann, Board Member
Arlie Ricasa, Board Member
Bertha Lopez, Board Member
Ed Brand, Superintendent

2016 SDCTA BOND SUPPORT PROCESS & CRITERIA

Updated November 2015

I. STATEMENT OF PURPOSE

This document provides public entities soliciting the endorsement of the San Diego County Taxpayers Association (SDCTA) for a general obligation bond proposition with guidance as to how to prepare their request, as well as the criteria the Association will use to formulate a decision.

II. STATEMENT OF POLICY

It is the policy of SDCTA to thoroughly evaluate capital outlay bond measures placed on the ballot in this region. The Association has provided voters with informed, objective recommendations on ballot issues since 1945. Because voters place heavy reliance on the Association's recommendations, endorsements are made only after a thorough in-depth assessment of each ballot proposition. Consideration of a request for endorsement in no way implies that SDCTA will endorse the measure and may, after consideration, lead to opposition of the measure. Since detailed information is critical to SDCTA and the public, failure to provide requested information may lead to a recommendation of opposition.

III. INTENT

It is the intent of SDCTA to ensure public entities* provide clear evidence of genuine need for bond measure expenditures and demonstrate that the proposed investments required cannot be addressed with existing revenues and grants. Upon passage of the measure, SDCTA will monitor the progress of each program through its representatives on the Independent Citizens' Oversight Committees (ICOC).

IV. PREREQUISITIES TO ENDORSEMENT BY SDCTA

Time Requirements and Schedule

Public entities shall notify the Association at the earliest possible date of an anticipated bond proposition. At that time, the Association will prepare a timeline outlining dates for a staff review conference with the applicant and a presentation by officials to SDCTA. The Association will guarantee review and provide a recommendation for only those packages submitted no less than 180 days prior to the election date. Any package submitted less than 180 days prior to the election date will not be guaranteed to be reviewed by SDCTA staff for a recommendation. Any package submitted 120 days or fewer prior to the election date will not be eligible for an endorsement by SDCTA absent an exception granted by the SDCTA Executive Committee at its sole discretion. All public entities intending to place a measure on the ballot or planning to discuss a potential ballot measure shall notify SDCTA no less than 180 days prior to the election date. Submission of a package does not guarantee support or preclude opposition by SDCTA.

Submission

Applicant shall deliver to SDCTA two copies of all documents requested placed in the order of topics set forth herein. The application shall be accompanied by a cover letter signed by the current chair of its governing board.

Primary Applicant Contact Information

Applicant shall name one individual as the primary contact.

Agency Endorsement Request Application

In order to ensure an orderly process and full disclosure, SDCTA has established the following application process. All the requirements outlined below must be met (or satisfied) before SDCTA will consider endorsement of facilities bond measures. Any board actions, resolutions or policies which must be enacted to fulfill these requirements must be passed before the Association gives support.

A. Program Description

A detailed description of all elements of the program shall be identified by their location/site as it will appear on the ballot. General spending categories are insufficient. Each individual project in the program shall be classified as to whether it is for new and/or replacement facilities, modernization of existing facilities, increase of capacity or code compliance. Ballot language shall provide voters with a summary of these details, including a list of planned projects by site and/or campus, classified in the previously mentioned manner.

B. Program Budget and Funding

A detailed comprehensive budget classifying expenses by soft and hard costs, including all costs associated with borrowing, as well as any revenues expected to be generated through interest earnings, shall be provided to SDCTA. The applicant shall identify the amount and source of any anticipated matching funds or additional funding sources necessary to complete the bond program. If the applicant intends to reimburse its operating budget from bond revenues for any permissible program costs, including program management, they shall be separately identified. Applicants shall demonstrate that the anticipated bond revenues will address the needs identified within the bond. In the event funds do not meet those needs, the applicant must set out a clear plan for how it will pay for those additional projects. This information must be incorporated as part of the resolution calling for the bond election. The budget shall also identify any bond funds intended to be used for the purposes of site acquisition.

C. Cost Estimation and Feasibility

The applicant shall provide evidence that accurate and reliable cost estimations of projects have been obtained from a qualified, independent source. Additionally, the legal feasibility of planned projects must be researched prior to submission of an application to SDCTA. If projects require site acquisition (land purchases) the applicant must show that reasonably foreseeable legal hurdles have been successfully mitigated to the extent possible. For bond programs that include the construction of new facilities, justification for the proposed facility, as well as detailed construction cost estimates (including those costs associated with environmental review, equipment and supplies) shall be provided.

D. Program Justification

The applicant shall thoroughly define the public benefit of the bond measure and how these benefits cannot be provided by other means. The applicant shall specify how this proposed bond measure would address all identified facility needs. If the identified facility needs are not met, the applicant shall outline how these unmet needs will be addressed. Included in the program justification should be a demand forecast reflecting the agencies enrollment projections for the next decade.

E. Facilities Master Plan

A copy of the applicant's current facilities master plan shall be included in the application. If an updated master plan is not available, the applicant shall explain how the proposed bond funded program fits into the overall operation of the agency. SDCTA encourages public entities to conduct a comprehensive needs assessments prior to the creation of a bond and its project list. SDCTA further encourages public entities to adopt long-range financial goals to address all of the facility needs.

F. Facilities Needs Assessment

The process for determining which specific program elements are being included in the bond shall be explained. SDCTA is particularly interested in how, when and by whom the cost estimates were prepared. Assumptions about anticipated cost increases and funds required for contingencies and unforeseeable circumstances shall be included. The applicant shall demonstrate that a sufficient forensic assessment of current facility conditions has been conducted by qualified individuals to ensure that projects can be completed without major unexpected costs. The applicant shall provide SDCTA with a copy of the most recent facilities needs assessment report that clearly identifies Major Repair & Replacement (MRR) needs, as well as deferred maintenance.

G. Program Execution Plan

The program description and budget shall include an outline of how the applicant intends to execute and manage the program. This includes a specific description of the resources that will be applied to ensure the timely and efficient execution of the proposed program, including a schedule with benchmarks for completion, as well as an estimated timeline for the sale of bonds. A cash-flow analysis including the potential date for bond sales and the expected annual property tax rates and revenue earnings shall also be included. If the applicant intends to manage and execute the program using agency staff, a detailed identification of assignable staff resources, qualifications and current duties shall be included. The program shall minimize the use of project site discretionary funds or prohibit the open-ended use of bond funds following the passage of the measure.

H. Fair and Open Competition

Applicant shall adopt within its ballot resolution and/or board policy a provision stating the District will promote fair and open competition for all District construction projects. Applicant shall adopt within its ballot resolution and/or board policy a provision stating the public entity will promote fair and open competition for all public entity construction projects. The resolution and/or board policy will include language that taxpayers be informed by public notice before a resolution to negotiate a project labor agreement is

considered. It shall be communicated to taxpayers prior to board vote with a minimum of 90 day public notice. It is recommended a workshop be conducted prior to any negotiation resolution to determine reasonableness. (See Appendix A for sample language and types of public notice acceptable)

I. Bond Financing & Technology

Applicant shall adopt via board policy the provisions included within Education Code section 15140-15150, and Government Code sections 53508.5 and 53508.6 concerning the use of Capital Appreciation Bonds. In addition, the board shall also include within the policy the following language:

“The District will not authorize the sale of any form of Capital Appreciation Bonds or Convertible Capital Appreciation Bonds without review by the District’s citizens’ bond oversight committee. All annual assessed value growth assumptions within any proposed financing will be the lesser of a) the average of the past ten years or b) 5%.”

The applicant shall list within their submission all classroom technology items (e.g. tablets, laptops, smartboards) proposed to be funded and the funding mechanisms intended to be used to finance the equipment. The applicant shall list the expected useful life of each technology item proposed to be financed. The term of financing shall meet the useful life of the assets proposed to be funded by the bonds.

J. Deferred Maintenance and Major Repair and Replacement Plan

The applicant shall submit a governing board approved funding plan to eliminate Deferred Maintenance** and the ongoing reliance on bond revenues; and an approved Major Repair & Replacement*** funding plan to ensure that both new and renovated facilities do not become maintenance deferred once the backlog has been eliminated. Within the submitted plan, the applicant shall include the deferred maintenance funding, including the amount of state matching funds received, for the previous 10 fiscal years. The applicant shall also include a current list of those projects and their respective costs within the agency’s deferred maintenance backlog. The Independent Citizens Oversight Committee shall oversee this plan as part of its responsibilities.

K. Complete Ballot and Resolution Language

Applicant shall include a copy of the proposed ballot language and supporting resolution. Should ballot language change from submitted copy, SDCTA shall be notified a minimum of 90 days prior to election. SDCTA reserves the right to change its position if such changes occur with or without notification.

L. Provision for an “Independent Citizens’ Oversight Committee”

Applicant shall adopt SDCTA’s “Independent Citizens’ Oversight Committee Best Practices” as policy (not via a resolution) no later than the date of adoption of the ballot resolution.

Applicant shall appoint at least one member of SDCTA to serve on the Independent Citizen's Oversight Committee. This member will be nominated by SDCTA's President & CEO.

M. Adoption of SDCTA School Construction and Professional Services Procurement Best Practices (If Applicable)

Any school district applicant shall adopt SDCTA's "School Construction and Professional Services Procurement Best Practices" as policy (not via a resolution) no later than the date of adoption of the ballot resolution.

N. Certification of Governing Board Members and Oversight Committee Members

Elected members of the district and the district's staff are strongly recommended to attend SDCTA's School Bond Certification Program prior to the election of the bond measure. Oversight committee members are strongly recommended to attend SDCTA's School Bond Certification Program or a similar training program to best prepare key community members for the bond program within twelve (12) months after passage.

O. Limited Use of District's "Education" Funds (If Applicable)

See SDCTA approved "Standards for Publicly Funded Advocacy For or Against Ballot Measures."

P. Joint Use of Facilities

The following language should be adopted and incorporated into the resolution calling for the bond election:

In order to maximize community benefit and efficiently apply taxpayer dollars, the applicant shall demonstrate a good faith effort to pursue all practical opportunities to expand community joint use facilities in every new or expanded construction project. In pursuing joint use, the applicant's goal should be to maximize the use of facilities to the broader community without adversely impacting operations or finances. Examples of appropriate joint use provisions for incorporation into construction plans include but are not limited to new and expanded library facilities, recreational/physical-education facilities, computer labs, meeting rooms, and childcare and health care facilities.

The elected board shall direct staff to implement the following procedure:

- Prior to the obligation of funds for new facilities expansion or construction, a joint use implementation certification shall be presented to the Independent Citizens' Oversight Committee and approved by the elected board.
- The joint use implementation certification shall include the following minimum information:
 - Project description
 - List and description of joint use elements that could potentially be incorporated into the project

- List of agencies and organizations contacted regarding potential joint use elements, including description of how agencies and organizations were contacted
- For each agency or organization contacted:
 - Joint use Development Criteria discussed or developed for the project
 - Equity of Contribution considerations discussed or developed for the project
- Description of joint use elements that will be incorporated into the project

In addition, it is the intention of the elected board to make official, policy level contacts with overlapping public jurisdictions in order to make joint-use and the efficient application of taxpayer dollars a priority of all agencies serving within their boundaries. Agencies contacted should include, but not be limited to: adjacent cities, County of San Diego, Community College Districts, and Transit agencies.

V. OPPOSITION TO SPECIAL ELECTIONS

Except in very extraordinary circumstances, SDCTA opposes special elections due to the added cost to taxpayers.

VI. BALLOT AND OTHER CONSIDERATIONS

Fund Purposes

Other than for support of the Independent Citizen's Oversight Committee, bond funds shall be dedicated to capital infrastructure and shall not be used for administrative purposes other than costs that are directly attributed to execution of the program. This includes any temporary transfer of funds related to the bond program to the general fund for administrative purposes.

Signing Favorable Ballot Argument and Use of Endorsement

SDCTA, at the request of the applicant, may elect to sign the printed ballot argument in favor of the proposition but only subject to editorial review of its final content. The bond campaign shall provide SDCTA with copies of all campaign materials in which its endorsement is noted. Endorsement or quotes provided by SDCTA officials for campaign literature may only be used for that specific election and not for any future elections.

VII. FOLLOW ON BOND ELECTION (where applicable)

In the event of an election for a second bond-funded program to complete or continue a facilities plan that began under a prior bond approved election within the last ten years, the following additional information shall be required:

- A detailed analysis of the completed projects of the first bond funded program compared to the projects listed on that ballot. Significant variances between what was

- proposed and what was accomplished must be explained. In addition, any corrective measures that have been taken shall be identified.
- A final financial summary comparing budget to actual expenditures, including change orders and soft costs as a percent of total project costs.
 - Performance evaluation of program management as well as assessment of results.
 - Evidence of the success of the oversight committee in fulfilling its responsibilities accompanied by copies of its annual reports.
 - Documented progress in the elimination of deferred maintenance accompanied by an updated funding plan and evidence of the establishment of a life cycle maintenance plan for all new and rehabilitated facilities.
 - Evidence that best efforts were made to exploit opportunities for joint use of facilities.

**Note: For the purposes of this document, public entity includes any municipality, school district, hospital district or other government entity intending to seek SDCTA support for a general obligation bond measure.*

***“Deferred” Maintenance item: The cost of repairing and replacing major maintenance projects grows significantly if major maintenance schedules are not met (deferred). The applicant should be able to quantify its deferred maintenance backlog.*

General Maintenance items (broken windows, plumbing repairs, etc.) are not covered by SDCTA Criteria. The State of California has a requirement that School Districts fund an amount equal to 5% of its General Fund for “Maintenance.”

****Major Maintenance items are capital in nature and would include replacing roofs, boilers, interior ceilings, re-paving parking lots, etc. These projects can be scheduled over a multi-year period.*

If the replacement and maintenance schedule of these major items are not met, then they become deferred maintenance items.

APPENDIX A

SAMPLE FAIR AND OPEN COMPETITION LANGUAGE

The District and/or Public Entity will promote fair and open competition for all District and/or Public Entity construction projects so that all contractors and workers, whether union or non-union, are treated equally in the bidding and awarding of District and/or Public Entity construction contracts

The District, prior to any discussion and/or vote of a resolution to negotiate a project labor agreement, shall inform district taxpayers 90 days in advance, via public notice, of any board discussion and/or vote.

ACCEPTABLE FORMS OF PUBLIC NOTICE

- School district newsletter
- School district website home page
- Post on social media sites ie. Facebook, Twitter
- School board public email distribution list
 - If on agenda, agenda item needs to be communicated within body of email to distribution list



June 26, 2017

Board Item - F.-1.

Issue:

Adoption of Minutes.

Superintendent's Recommendation:

Adoption of Minutes: June 12, 2017 - Regular Board Meeting.

Analysis:

Adopt the minutes listed above.

For questions regarding this board item, please contact Deanne Vicedo at 619/585-4405 or deanne.vicedo@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
📎 06 12 17 Unadopted Minutes	Backup Material

REGULAR BOARD MEETING
SWEETWATER UNION HIGH SCHOOL DISTRICT
BOARD OF TRUSTEES
UNADOPTED MINUTES

6:00 p.m.

June 12, 2017

Board: Paula Hall •Kevin J. Pike •Nicholas Segura •Arturo Solis •Frank A. Tarantino
Superintendent: Karen Janney Student Board Representative: Xavier Serena

Order of Business

A. OPENING PROCEDURES

1. Call to Order

Vice President Hall called the meeting to order at 4:32 p.m.

2. Roll Call

Board members present were Nicholas Segura and Frank A. Tarantino. Also present were Karen Janney, superintendent, and Deanne Vicedo, clerk of the board. Kevin J. Pike and Arturo Solis were absent.

3. Closed Session

Vice President Hall adjourned the meeting at 4:34 p.m. to convene closed session to discuss the following closed session items as posted on the meeting notice:

1. STUDENT EXPULSIONS/SUSPENDED EXPULSIONS/REINSTATEMENTS - Education Code Section 48916-48918 (students identified by ID number)
2. PUBLIC EMPLOYEE EVALUATION/APPOINTMENT/TRANSFER - Government Code Section 54957
3. PUBLIC EMPLOYEE DISCIPLINE/DISMISSAL/RELEASE/RECLASSIFICATION/REASSIGNMENT/RESIGNATION/TRANSFER - Government Code Section 54957
4. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - Paragraph (1) of Subdivision (d) of Government Code Section 54956.9
5. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION - Paragraph (2) of Subdivision (d) of Government Code Section 54956.9
6. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION - Paragraph (4) of Subdivision (d) of Government Code Section 54956.9
7. CONFERENCE WITH LABOR NEGOTIATOR - Government Code Section 54957.6
8. PUBLIC EMPLOYEE PERFORMANCE EVALUATION - Government Code Section 54957

Vice President Hall called the closed session meeting to order at 4:37 p.m.

Board members present were Nicholas Segura and Frank A. Tarantino. Also attending closed session were Karen Janney, Jennifer Carbuccia, general counsel, Joe Fulcher, Sonia Picos, Barbara Edwards and student, and Sylvia Nelson. Arturo Solis joined the closed session meeting at 5:30 p.m. Kevin J. Pike was absent.

President Solis adjourned the closed session meeting at 6:05 p.m., and reconvened the public session at 6:16 p.m.

Roll call was held and the following board members were present: Paula Hall, Nicholas Segura, Frank A. Tarantino, and Xavier Serena, student board representative. Also present were Karen Janney, superintendent, and Deanne Vicedo, clerk of the board. Kevin J. Pike was absent.

4. Moment of Silence

5. Pledge of Allegiance

President Solis stated that the board met in closed session preceding this meeting to discuss the following issues:

1. STUDENT EXPULSIONS/SUSPENDED EXPULSIONS/REINSTATEMENTS - Education Code Section 48916-48918 (students identified by ID number)
2. PUBLIC EMPLOYEE EVALUATION/APPOINTMENT/TRANSFER - Government Code Section 54957
3. PUBLIC EMPLOYEE DISCIPLINE/DISMISSAL/RELEASE/RECLASSIFICATION/REASSIGNMENT/RESIGNATION/TRANSFER - Government Code Section 54957
4. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - Paragraph (1) of Subdivision (d) of Government Code Section 54956.9
5. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION - Paragraph (2) of Subdivision (d) of Government Code Section 54956.9
6. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION - Paragraph (4) of Subdivision (d) of Government Code Section 54956.9
7. CONFERENCE WITH LABOR NEGOTIATOR - Government Code Section 54957.6
8. PUBLIC EMPLOYEE PERFORMANCE EVALUATION - Government Code Section 54957

President Solis stated that the board took no reportable action, and that the board would reconvene the closed session after the open session.

6. Approve Agenda

Moved by Segura, seconded by Hall, to approve the June 12, 2017, Regular Board Meeting Agenda, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

B. BOARD PRESENTATIONS OR ANNOUNCEMENTS OF AWARDS

Superintendent Karen Janney provided an update to the board.¹

Xavier Serena, student board representative, provided an update to the board.

C. DISTRICT COMMITTEE REPORTS

1. District English Learner Advisory Committee Report

Velia Rico-Ornelas provided a summary of the DELAC Report to the board.

2. Citizens' Bond Oversight Report

None.

D. PUBLIC COMMUNICATION

- *D-1. (1) Conduct a public hearing regarding the formation of CFD No. 19; and
- (2) Adopt Resolution No. 4506, Resolution of the Board of Trustees of the Sweetwater Union High School District Determining the Validity of Prior Proceedings, Establishing Community Facilities District No. 19 and the Improvement Areas Thereof, Authorizing the Levy of a Special Tax Within the Improvement Areas of Community Facilities District No. 19, Establishing an Appropriations Limit, Calling an Election and Taking Related Actions.

BOARD NOW ACTING AS LEGISLATIVE BODY OF CFD NO. 19

- (3) Adopt Resolution No. 4507, Resolution of the Board of Trustees of the Sweetwater Union High School District, Acting as the Legislative Body of Community Facilities District No. 19 of the Sweetwater Union High School District and the Improvement Areas Thereof, Determining the Necessity to Incur Bonded Indebtedness in an Amount Not to Exceed One Hundred Thirty Million Dollars (\$130,000,000) Within Community Facilities District No. 19 of the Sweetwater Union High School

¹ On board meeting minutes, any public comments, presentations, discussions, or reports will be in summary format. For the full transcript on these items, please refer to the audio clips for the meeting.

(Public Communication cont.) (Board Agenda Item *D-1 cont.)

District and the Improvement Areas
Thereof;

- (4) The district's chief financial officer, designated as CFD No. 19 Election Official in Resolution No. 4506, conducts Landowner Voter Election on behalf of CFD No. 19 and declares the Election results;
- (5) Adopt Resolution No. 4508, Resolution of the Board of Trustees of the Sweetwater Union High School District, Acting as the Legislative Body of Community Facilities District No. 19, Canvassing the Results of the Election Held Within the Improvement Areas of Community Facilities District No. 19; and
- (6) Authorize the first reading of Ordinance No. 22 by motion. Clerk reads title of Ordinance No. 22 as follows, Ordinance of Community Facilities District No. 19 of the Sweetwater Union High School District Authorizing the Levy of a Special Tax Within Improvement Areas Nos. 1 and 2 of Community Facilities District No. 19.

A public hearing was held. No written protests were received. Kathleen Cheers, a non-property owner in CFD No. 19, spoke in opposition to this item. The hearing was closed.

Moved by Tarantino, seconded by Segura, to adopt Resolution No. 4506, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

President Solis announced that the board will now be acting as the Legislative Body of CFD No. 19.

Moved by Segura, seconded by Tarantino, to adopt Resolution No. 4507, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

The chief financial officer, the CFD No. 19 Election Official, stated that waivers were received from all landowners to hold the

(Public Communication cont.) (Board Agenda Item *D-1 cont.)

Combined Special Tax and Bond Election of CFD No. 19, and that the election results were: for Improvement Area No. 1, two ballots with 37 votes in favor and zero votes opposed; and for Improvement Area No. 2, 14 ballots with 381 votes in favor and zero votes opposed, however, one ballot was not properly executed and will be disregarded, therefore, there are 337 votes in favor out of 381 potential votes.

Moved by Segura, seconded by Hall, to adopt Resolution No. 4508, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Segura, seconded by Tarantino, that Ordinance No. 22 be presented by reading of the title only, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

The clerk of the board read the title of Ordinance No. 22: Ordinance of Community Facilities District No. 19 of the Sweetwater Union High School District Authorizing the Levy of a Special Tax Within Improvement Areas Nos. 1 and 2 of Community Facilities District No. 19.

President Solis announced that the matters related to CFD No. 19 were complete and the board would no longer be acting as the Legislative Body for CFD No. 19.

2. Public Communication on Non-Agenda Items

Jason Leichter addressed the issue of the adult education budget.

Joseph Viveiros addressed district issues.

Nick Marinovich addressed district issues.

Kathleen Cheers addressed district issues.

Mariano Rodriguez addressed the issue of adult education.

Michelle Krug thanked Xavier Serena, student board representative, for his service on the board, and addressed the issue of video streaming.

E. FORMATION AND APPROVAL OF CONSENT AGENDA

Motion: Segura Second: Tarantino

Vote: Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes

F. SUPERINTENDENT DISCUSSION ITEMS

- F-1. Adoption of Minutes: May 22, 2017 - Regular Board Meeting.

Consent.

- F-2. Calendar of Board of Trustees Meetings - 2016-2017.

Consent.

- F-3. Report on board requests for information and policy direction to staff.

Consent.

- F-4. Approve Report on Consultant Agreements totaling \$5,000 and under.

Consent.

- F-5. Approve the purchase of Microsoft Security Risk Assessment from Microsoft Corporation and authorization for superintendent or designee to sign agreement and related documents.

Moved by Tarantino, seconded by Hall, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

- F-6. Approve/ratify a 3.75 percent wage increase for management employees in the district not covered by collective bargaining agreements or other employment agreements, and increase in work year for assistant principals and school psychologists by three (3) days.

Consent.

- F-7. Approve a three (3) year successor contract agreement between the district and the Sweetwater Counseling and Guidance Association/CTA/NEA (SCGA), the exclusive representative of the counselor bargaining unit.

Moved by Hall, seconded by Solis, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

(Superintendent Discussion Items cont.)

- F-8. Approve a three (3) year successor contract agreement between the district and the Sweetwater Education Association/CTA/NEA (SEA), the exclusive representative of the teacher bargaining unit.

Consent.

G. INSTRUCTIONAL SUPPORT SERVICES DISCUSSION ITEMS

- G-1. Report on excursions and field trips.

Consent.

- G-2. Approve the Memorandum of Understanding with Signs of Silence and the Sweetwater Union High School District for American Sign Language (ASL) for payment of interpreting service costs for students in special education who are deaf and require ASL interpretation.

Consent.

- G-3. Approve Agreement of Services between Lutheran Social Services of Southern California (LSSSC) Upward Bound Program and the Sweetwater Union High School District (SUHSD) for San Ysidro High School and Chula Vista High School during the 2017-2018 school year.

Consent.

- G-4. Approve Agreement of Services between Lutheran Social Services of Southern California (LSSSC) Talent Search Program and the Sweetwater Union High School District (SUHSD) for San Ysidro High School and Sweetwater High School during the 2017-2018 school year.

Consent.

- G-5. Approve Memorandum of Agreement (MOA) between the San Diego and Imperial Counties California Student Opportunity and Access Program Consortium and the Sweetwater Union High School District to provide targeted, disadvantaged, low income students with college readiness programs and services during the 2017-2018 school year.

Kathleen Cheers addressed this item.

(Instructional Support Services Discussion Items cont.) (Board Agenda Item G-5 cont.)

Moved by Hall, seconded by Tarantino, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

- G-6. Authorize staff to negotiate and execute Memorandums of Understanding (MOU) with ARC, South Bay Community Services (SBCS) and the YMCA of San Diego County and the Sweetwater Union High School District for the After School Education & Safety (ASES) and the After School Safety and Enrichment for Teens (ASSETs) program.

Moved by Tarantino, seconded by Segura, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

H. STUDENT SERVICES DISCUSSION ITEMS

None.

I. ALTERNATIVE EDUCATION DISCUSSION ITEMS

None.

J. ADULT EDUCATION DISCUSSION ITEMS

None.

K. FISCAL SERVICES DISCUSSION ITEMS

- K-1. Approve Report on Consultant Agreements Over \$5,000.

Page 3, Ovenshire, Julie & Weir, Rod, was withdrawn by staff.

Moved by Tarantino, seconded by Hall, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

- K-2. Approve/ratify donations to the district in accordance with Resolution No. 2501, and accept Report on Donations.

Consent.

- K-3. Approve professional conference and workshop expenses of district employees.

Moved by Tarantino, seconded by Segura, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

(Fiscal Services Discussion Items cont.)

- *K-4. Provide staff with comments and direction on the Preliminary 2017-2018 Proposed Budget.

The board discussed the proposed budget and provided direction to staff on requested items.

President Solis recessed the meeting at 8:39 p.m. and reconvened the meeting at 8:56 p.m.

L. HUMAN RESOURCES DISCUSSION ITEMS

- L-1. Approve participation in an optional athletic and student accident insurance program with Myers-Stevens & Toohey Insurance Company, Inc., for purchase by district parents for all grade levels for the 2017-2018 school year.

Moved by Segura, seconded by Hall, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

- L-2. Approve a new classification and job description, and proposed changes to job descriptions for the Paraprofessional unit, and revise the Paraprofessional Salary Schedule.

Kathleen Cheers addressed this item.

Moved by Segura, seconded by Hall, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

M. PLANNING AND CONSTRUCTION DISCUSSION ITEMS

- M-1. Accept Bid #67-2622-AM and award Contract for L Street HVAC (Heating, Ventilation and Air Conditioning) 2, 680 Suites A, B, and F, to Johnson Controls, Inc., for the amount of \$86,736.00.

Consent.

- M-2. Approve/ratify planning and construction consultant agreements and amendments.

Kathleen Cheers addressed this item.

Moved by Segura, seconded by Tarantino, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

N. PURCHASING DISCUSSION ITEMS

- N-1. Approve the renewal of designated contracts.

Moved by Hall, seconded by Solis, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

- N-2. Approve Request for Proposal (RFP) and award Contract No. 67-2602-LB for bond performance audit services for the Proposition O Bond Program to the proposer with the highest points total based on the evaluation criteria of the RFP and also determined by the evaluation committee, which is Moss Adams, LLP.

Kathleen Cheers addressed this item.

Moved by Tarantino, seconded by Segura, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

O. OPERATIONS / OTHER BUSINESS DISCUSSION ITEMS

- O-1. Approve increase of price for student meals.

Consent.

P. POLICY REVIEW

- P-1. Approve revised Board Policy 5144, Discipline.

Moved by Tarantino, seconded by Segura, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

- P-2. Approve revised Board Policy 5144.1, Suspension and Expulsion/Due Process.

Moved by Hall, seconded by Solis, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

- P-3. Approve revised Board Policy 5145.12, Search and Seizure.

Moved by Segura, seconded by Hall, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

(Policy Review cont.)

P-4. Approve revised Board Policy 5131, Conduct.
Consent.

Q. RESOLUTIONS

Q-1. Adopt annual Resolution Nos. 2493 and 2581,
for transfer of funds.

Consent.

Q-2. Adopt Resolution No. 4509, in the Matter of
the Hiring of Short-Term Classified
Employees.

Consent.

R. MELLO-ROOS DISCUSSION ITEMS

None.

S. BOARD COMMUNICATION

1. Board Communication and/or requests for future board agenda items

Xavier Serena, student board representative, discussed his trip to Costa Rica, saying that he saw a lot of poverty, but he is very proud of the work he did to provide clean water and fuel for cooking. He said they were teaching the people how to work for oneself, under an "engineering engineers" model, so they can become self-sufficient. He stated that he feels everyone has potential to change lives, and in effect change their own life, and he learned a lot on his trip.

Nicholas Segura stated that all the graduation events were great, and he is very proud of his daughter who will be attending Castle Park High School, following in the footsteps of many of his family members. He thanked Mr. Tarantino for covering the San Ysidro High School graduation for him. He stated that the HVAC kick-off event looked great and it received a lot of media coverage.

Frank A. Tarantino thanked Mr. Segura for covering the Olympian High School graduation ceremony for him. He congratulated all the graduates and the support systems that helped all of them throughout their four years of high school. He congratulated Andres Carrillo from Southwest High School, and Estela Gomez for being recognition by the County Biliteracy Symposium. He congratulated the National Merit Scholarship Recipient from Bonita Vista High School. He stated that the HVAC kick-off event was very good and he thanked Janea Quirk, program manager, for her idea of offering snow cones at the event. He asked about SB328 and if it has been approved yet since it affects start times for middle schools and high schools.

Paula Hall thanked Mr. Tarantino for speaking at the HVAC kick-off event as she had a family emergency. She thanked all the school principals, administrators, and staff for the great graduation ceremonies. She stated that she was very impressed with the students and the school culture that was apparent at each ceremony. She gave special appreciation to all the valedictorians and salutatorians for their great speeches. She thanked everyone who has supported the students and encouraged them. She thanked Xavier Serena, stating that he has done an amazing job and it has been a pleasure working with him. She also thanked him for his assistance during a site visit to Southwest High School. She congratulated Gabe Preciado, Mar Vista High School, who was named to the Athletic All Academic Team, which is a great feat.

Arturo Solis thanked all the staff for the graduation ceremonies, stating that they were amazing and he loves attending them. He apologized to Manny Rubio for not using his speech at the Adult School Graduation, and he stated that the speakers were so inspiring, he just wanted to accept the class. He thanked Xavier Serena for his service over the past year, stating that his future looks great. He stated that he will probably not be able to attend the next board meeting.

President Solis adjourned the meeting at 10:00 p.m. to convene closed session to discuss the closed session items as posted on the meeting notice for this meeting.

President Solis called the closed session meeting to order at 10:05 p.m.

Board members present were Paula Hall, Nicholas Segura, and Frank A. Tarantino. Also present were Karen Janney, Jennifer Carbuccia, general counsel, Joe Fulcher, and Tom Glover. Kevin J. Pike was absent.

President Solis adjourned the closed session meeting at 11:44 p.m. and reconvened the public session at 11:46 p.m.

Roll call was held and the following board members were present: Paula Hall, Nicholas Segura, and Frank A. Tarantino. Also present were Karen Janney, superintendent, and Deanne Vicedo, clerk of the board. Kevin J. Pike was absent.

President Solis stated that the board met in closed session to discuss the items posted on the meeting notice.

President Solis stated that the board took the following action:

Moved by Segura, seconded by Solis, to accept the administrative hearing panel's recommendation to approve the expulsion of the following student (student identified by ID number): #1093517, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Hall, seconded by Tarantino, to accept the administrative hearing panel's recommendation to approve the expulsion of the following student (student identified by ID number): #1057014, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Segura, seconded by Hall, to accept the administrative hearing panel's recommendation to approve the expulsion of the following student (student identified by ID number): #1090164, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Hall, seconded by Segura, to accept the administrative hearing panel's recommendation to approve the expulsion of the following student (student identified by ID number): #1506493, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Hall, seconded by Solis, to accept the administrative hearing panel's recommendation to approve the expulsion of the following student (student identified by ID number): #1090246, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Hall, seconded by Solis, to accept the administrative hearing panel's recommendation to approve the expulsion of the following student (student identified by ID number): #1094101, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Segura, seconded by Hall, to accept the administrative hearing panel's recommendation to approve the reinstatement of the following student (student identified by ID number): #1057002, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Segura, seconded by Hall, to accept the administrative hearing panel's recommendation to approve the reinstatement of the following student (student identified by ID number): #1094016, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Tarantino, seconded by Solis, to approve the transfer of Ernie Zamudio, to Principal, Special Assignment, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Segura, seconded by Solis, to approve the Request for Leave of Absence for one certificated employee, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Segura, seconded by Solis, to approve the Request for Leave of Absence for one certificated employee, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Hall, seconded by Segura, to approve the Global Release and Settlement Agreement in Case #37-2015-00038386-CU-PA-CTL, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

Moved by Segura, seconded by Hall, to approve the Settlement Agreement and general release in Case #37-2017-00045061-CU-PO-CTL, with a vote of Hall Yes; Pike Absent; Segura Yes; Solis Yes; Tarantino Yes.

T. ADJOURNMENT

The meeting was adjourned at 11:50 p.m.



June 26, 2017

Board Item - F.-2.

Issue:

Calendar.

Superintendent's Recommendation:

Calendar of Board of Trustees Meetings – 2016-2017.

Analysis:

SWEETWATER UNION HIGH SCHOOL DISTRICT

Calendar of Board of Trustees Meetings – 2016-2017

Meeting Date	Subject	Reports
Monday, July 10	Regular Board Meeting	
Monday, July 24	Regular Board Meeting	
Monday, August 14	Regular Board Meeting	
Monday, August 28	Regular Board Meeting	
Monday, September 11	Regular Board Meeting	
Monday, September 25	Regular Board Meeting	
Monday, October 09	Regular Board Meeting	
Monday, October 23	Regular Board Meeting	
Monday, November 13	Regular Board Meeting	
Monday, December 11	Organizational Board Meeting	(Date pending approval on November 13)

ASB Presidents' Meetings

TBD for 2017		
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DISTRICT ENGLISH LEARNER ADVISORY COMMITTEE (DELAC)

TBD		
-----	--	--

DISTRICT PARENT ADVISORY COUNCIL (DPAC) MEETINGS

TBD		
-----	--	--

DAC/GATE MEETINGS

TBD		
-----	--	--

SAN DIEGO COUNTY SCHOOL BOARDS ASSOCIATION

TBD		
-----	--	--

SCHEDULED EVENTS

None		
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For questions regarding this board item, please contact Deanne Vicedo at 619/585-4405 or deanne.vicedo@sweetwaterschools.org.

Fiscal Impact:

None.



June 26, 2017

Board Item - F.-3.

Issue:

Board requests.

Superintendent's Recommendation:

Report on board requests for information and policy direction to staff.

Analysis:

In the context of board meetings, members of the board have raised individual interests on policy issues and/or requests for information. The following is a status update from staff on matters identified.

–

POLICY ISSUES

Date Requested **Issue**

Board
Member

None.

REQUESTS FOR INFORMATION

January 23, 2017 Board member requested a joint meeting or Tarantino retreat with the Citizens Bond Oversight Committee.

Staff will be working on coordinating a joint meeting after July 1, 2017.

PROCESS ISSUES

None.

For questions regarding this board item, please contact Deanne Vicedo at 619/585-4405 or deanne.vicedo@sweetwaterschools.org.

Fiscal Impact:

None.



June 26, 2017

Board Item - F.-4.

Issue:

Lawson System upgrade.

Superintendent's Recommendation:

Approve the necessary Lawson System upgrades and authorization for the superintendent and/or designee to sign service and maintenance agreement(s) related to this project.

Analysis:

The current Lawson system resides on a "2003 Windows Server R2 system", which Microsoft ended support for on July 14, 2015. Notification has been sent to the district stipulating the need to migrate the system to a "supportable system level". Infor/Lawson has requested that the district migrate to version 10 of the application system and "2012 Windows Server R2", minimally, in order to continue support. Furthermore, the district is at high risk with this current version.

For simplicity purposes, if the 2003 Windows Server R2 system "fails" to start, the district has "no recourse" for support, from either Microsoft or Infor/Lawson. This recommendation focuses on upgrading the current system to supportable levels of the server operating system (Windows Server 2012 R2) and application system (Version 10). This upgrade will provide the district viable support for the Lawson system. There will be no added functionality or new features as part of this project. Version 10 is at end-of-life and will only be supported for another three years. (An analysis will be conducted on viable solutions for human resources, benefits, and finance.) If the project is initiated on July 1, 2017, a projected implementation date of December 1, 2017, is planned for by the integrator, Kinsey.

For questions regarding this board item, please contact David D. Delacruz at 619/585-7961 or david.delacruz@sweetwaterschools.org.

Fiscal Impact:

Expenditure of \$268,900, to be paid from the General Fund, Resource Code: 0000. Cost of upgrade is \$222,400; a penalty cost may be assessed for annual maintenance

of 30 percent or \$46,500 (cost is being negotiated). This is a result of the district not converting over to a supportable application system level by May 2016.

ATTACHMENTS:

Description	Type
📎 Lawson System Upgrade Estimate	Backup Material
📎 Lawson License Agreement	Backup Material
📎 Lawson Service Agreement	Backup Material

June 15, 2017

Mr. David D. Delacalzada
Director, Information Technology and Enterprise Architecture
Sweetwater Union High School District

Dear David:

After reviewing the survey, we are just revising our earlier proposal slightly to accommodate the modifications which you identified. We did take a few hours out of the primary block to limit the additional cost.

PHASE I:

Tentatively starting July 1, with target completion by December 1, 2017

Upgrade from Infor Lawson v.9 S3 HR to Infor Lawson v.10 S3 HR

1) Security must be upgraded from the legacy "LAUA" format to "Lawson Security"		
Kinsey tools		\$ 40,000
Services	80 hrs	12,800
2) Upgrade of software (TEST and PROD)	680 hrs	108,800
3) Rework modifications to ZZ22 and self-service	60 hrs	9,600
4) Interface to County's PeopleSoft payroll	<u>320 hrs</u>	<u>51,200</u>
Phase I Total	1,140 hrs	\$ 222,400

Services are priced at \$160 per hour.

I have removed the jurisdiction from the Master Services Agreement, so there is no reference to Illinois (other than the Kinsey address). I have done the same for the Software License Agreement which covers the tools we provide for security migration and ongoing security reporting, including full segregation of duties deployment & monitoring. Please note the significant discount on the software and the waiving of the first year's maintenance as previously discussed.

I will certainly be happy to address any questions you may have and I have instructed my admin to interrupt me if you call today (630-858-4866 x 227). We very much appreciate the continued consideration and we are now holding resources to meet your targeted July 1 start date.

Best Regards



Bradley J. Kinsey

SOFTWARE LICENSE AGREEMENT

THIS AGREEMENT, dated as of the ____ day of _____, 20__, between Kinsey & Kinsey, Inc., a corporation organized and existing under the laws of the State of Illinois having its principal place of business at 26 North Park Boulevard, Glen Ellyn, IL 60137 ("Kinsey"), and Sweetwater Union High School District, organized and existing under the laws of the State of California having its principal place of business at **1130 Fifth Avenue**, Chula Vista, CA 91911 ("Customer");

WITNESSETH:

WHEREAS, Kinsey has designed and developed proprietary computer software (hereinafter referred to as the "Software"); and

WHEREAS, Kinsey desires to grant to Customer a non-exclusive license for the use of the Software; and

WHEREAS, Customer desires to obtain from Kinsey a non-exclusive license for the use of the Software; and

WHEREAS, Kinsey is willing to provide certain installation and support services to assist in the installation of the Software and in training Customer's employees in the use thereof subject to the terms hereof.

NOW, THEREFORE, in consideration of the mutual promises contained herein and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, the parties hereto agree as follows:

1.0 DEFINITIONS

1.01 "Customer" shall mean Sweetwater Union High School District, its successors and assigns.

1.02 "Kinsey" shall mean Kinsey & Kinsey, Inc., its successors and assigns.

1.03 "Software" shall mean the software package(s), and/or modules, currently marketed by Kinsey under the names listed in Schedule A.

2.0 LICENSE GRANTED

2.01 Kinsey hereby grants, and Customer hereby accepts, a non-transferable and non-exclusive license to use the Software and all related documentation during the term of this Agreement under the price and terms specified in this Agreement and in Schedule A. Any rights not expressly granted herein shall be reserved for Kinsey. Suitable computer programs will be provided for Customer's use in machine-readable object code form. The Software shall be used only in Customer's own operations, and shall be limited to reporting and maintaining Customer's own management information. Customer shall not permit any third party to use the Software or allow access to the Software from Sites outside of Customer's premises except as specifically authorized in writing by Kinsey.

2.02 Source code or other information pertaining to the logic design of the Software is specifically excluded from the license granted here under.

2.03 Customer's use of the Software shall include identification of all applications by the then current name under which Kinsey markets the Software, so that all users are able to identify the Software by such name.

3.0 KINSEY SERVICES

3.01 Training, Installation, and Consulting Services. Kinsey may provide training and installation services in support of installation of the Software. These services shall be provided to the extent agreed upon by the parties according to the terms contained in a separate services agreement.

3.02 Software Maintenance. So long as Customer is current in payment of the License Renewal and Maintenance Fees described herein and in Schedule A, Kinsey shall provide normal and reasonable maintenance of the Software. The correction of Software system malfunctions (“bugs”) is deemed to be normal and reasonable maintenance. Services related to the installation and deployment of updates and maintenance releases will be billed per the terms contained in a separate services agreement.

3.03 Payment Responsibilities For Debugging. The correction for difficulties or defects traceable to Customer’s errors or systems changes shall be billed at Kinsey’s standard time and material charges. Correction for difficulties or defects directly traceable to the Software will not be billable to Customer. Services related to the installation and deployment of error corrections shall not be charged.

4.0 PROPRIETARY RIGHTS AND RESTRICTIONS ON USE

4.01 Description of Proprietary Rights. Customer recognizes that the Software and all related information, including but not limited to any and all updates, improvements, modifications, enhancements, and information related to installation of the Software at the offices of Customer, are proprietary, and that all rights thereto, including copyright, are owned by Kinsey. Customer further acknowledges being advised that the Software, including updates, improvements, modifications, enhancements, and information related to installation, constitutes a TRADE SECRET of Kinsey, is protected by civil and criminal law, and by the law of copyright, is valuable and confidential to Kinsey, and that its use and disclosure must be carefully and continuously controlled. Customer agrees that the specific prices and terms of this Agreement shall not be disclosed by Customer without Kinsey’s prior written consent.

4.02 Title. Kinsey shall at all times retain title to all the Software and all related information, including all updates, improvements, modifications and enhancements, furnished to Customer hereunder.

4.03 Maintenance of Title. Customer shall keep each and every item of Software and all related information including any and all updates, improvements, modifications and enhancements free and clear of any and all claims, liens, and encumbrances attributable to the use or possession of the Software by Customer. Any act of Customer, whether voluntary or involuntary, purporting to create a claim or encumbrance on any such item shall be void.

4.04 Sole Use. The Software supplied by Kinsey hereunder is for the sole use of Customer and in support only of computers operated by Customer. The Software is to be used only by Customer only for the purposes specified in this Agreement and specifically as restricted in the following three subparagraphs of this Section 4.0.

4.05 Copies and Disclosure. Customer shall treat the Software and all related information including any and all updates, improvements, modifications and enhancements as confidential and proprietary, and shall protect it in the same manner that it protects the confidentiality of its own most highly confidential proprietary information. While this Agreement is in effect, or while Customer has custody or possession of any of the Software, Customer will not: (i) copy or duplicate, or permit anyone else to copy or duplicate, any of the Software, whether such Software is in written, magnetic or any other form, except pursuant to reasonable backup procedures, or for use in Sites or applications pursuant to this Agreement, nor; (ii) provide or make the Software available to any person or entity other than employees or agents of Customer who have a need to know consistent with Customer’s use thereof under this Agreement, nor; (iii) create or attempt to create, or permit others to create or attempt to create, by disassembling, reverse engineering or otherwise, the source programs or any part thereof from the object program or from other information (whether oral, written, tangible or intangible) made available to Customer under this Agreement, nor; (iv) copy for its own use or the use of others operator manuals, system reference guides, training materials and other user-oriented materials without the prior written consent of Kinsey. In order to protect Kinsey’s trade secrets and copyrights in the Software, Customer agrees to reproduce and incorporate Kinsey’s trade secrets or copyright notice in any copies, modifications or partial copies. The Software shall be kept in a secure place, under access and use restrictions satisfactory to Kinsey.

4.06 Unauthorized Use. Customer agrees to notify Kinsey forthwith if it obtains information as to any unauthorized possession, use or disclosure of any item of Software by any person or entity, and further agrees to cooperate with Kinsey at Kinsey's expense, in protecting Kinsey's proprietary rights.

4.07 Injunctive Relief. In addition to other remedies available to Kinsey, Customer agrees that Kinsey shall be entitled to injunctive relief in the event Customer breaches this Agreement.

5.0 FEES AND PAYMENTS.

5.01 License Fees. Customer shall pay to Kinsey all applicable fees specified in Schedule A attached hereto. Unless otherwise provided herein, all fees and obligations due to Kinsey shall be due and payable in full immediately upon receipt of invoice.

5.02 Responsibility for Taxes. Unless otherwise agreed to in writing by Kinsey, all prices quoted are exclusive of all taxes including federal, state and local use, sales, property, ad valorem and similar taxes. Customer agrees to pay any and all such taxes (except taxes levied against Kinsey's income) to the proper taxing authority.

6.0 IMPROVEMENTS AND ENHANCEMENTS

6.01 Ownership of Improvements. Kinsey is, and shall be, the sole owner of all inventions, discoveries, updates, improvements, modifications and enhancements relating to the Software, whether in written or unwritten form and whether developed by Kinsey or Customer. Kinsey shall retain the exclusive right to reproduce, publish, patent, copyright, sell, license or otherwise make use of such inventions, discoveries, updates, improvements, modifications or enhancements.

6.02 Updates. So long as Customer is current in payment of all fees, including maintenance, Kinsey agrees to provide at no additional charge updates to the Software for the operating system for which the Software is provided, not later than sixty (60) days after Kinsey first makes same available on a formal basis to the first of its Customers..

6.03 Most Current Release. Customer shall install the most current release of the Software within a period of sixty (60) days of the receipt thereof from Kinsey. Customer recognizes that its failure to install the latest release of the Software may render the Software unusable or nonconforming to the Software documentation, and Customer agrees to assume all risks arising from any failure to maintain the most current release of the Software. Customer understands and agrees that if it fails to install the latest release as aforesaid, Kinsey shall have no further obligation to maintain the Software.

6.04 Third-Party Software. The functionality of certain portions of the Software may be contingent upon the Customer maintaining approved versions of third-party software. Sections 6.02 and 6.03 above are contingent upon Customer making arrangements to ensure that approved versions of such third-party software are installed as necessary; Kinsey does not have an obligation to maintain third-party software functionality.

7.0 WARRANTIES.

7.01 Intellectual Property Warranty. Kinsey warrants that, to the best of its knowledge, it is either the sole owner of the Software or has the right to sublicense the Software and that there are no known infringements or claims of infringement with respect to the patent, copyright or other proprietary rights of third parties.

7.02 Intellectual Property Indemnity.

(1) Subject to the limitations set forth in this Section 7, at its own expense, Kinsey shall (i) defend, or at its option settle, any claim, suit, or proceeding brought against Customer by a third party (other than an affiliate of Customer) alleging that any portion of the Software infringes any United States patent, copyright, trade secret or other proprietary right of such third party (an "Infringement Claim"), and (ii) pay any and all final judgments entered against Customer, and all reasonable costs

and expenses incurred in defending or settling an Infringement Claim under this Agreement, or pay any settlement made by Kinsey on such Infringement Claim.

(2) If all or any part of the Software is, or in the opinion of Kinsey may become, the subject of an Infringement Claim, Kinsey shall at its expense promptly, either (i) replace the Software with a compatible, functionally equivalent, non-infringing software product, (ii) modify the Software or take other action so that the Software becomes non-infringing, or (iii) procure the right of Customer to continue using the Software, all without any additional cost to Customer.

(3) Kinsey's obligations under subsections (1) and (2) above are expressly conditioned upon and subject to (i) Kinsey having sole control of the defense and/or settlement of such Infringement Claim, (ii) Customer notifying Kinsey in writing of such Infringement Claim as soon as reasonably practicable and giving Kinsey authority to proceed as set forth in clause (i) above, and (iii) Customer, at Kinsey's request, giving Kinsey all information known to Customer relating to such Infringement Claim and otherwise reasonably cooperating with Kinsey in the defense and/or settlement of such Infringement Claim. Kinsey agrees to reimburse Customer for reasonable costs and expenses incurred by Customer in connection with providing such cooperation, against receipt of invoices therefore.

(4) Kinsey shall have no obligation to Customer with respect to any Infringement Claim if such Infringement Claim is based upon (i) Customer's use of the Software in a manner not expressly authorized by this Agreement, (ii) the use of any version of the Software other than the most recent version of the Software supplied by Kinsey to Customer, to the extent that Customer's liability for such Infringement Claim would have been avoided by the use of said most recent version (provided that Kinsey has supplied Customer with the most recent version of the Software), or (iii) the combination, operation, or use of the Software with software which was not provided by Kinsey, if Customer's liability for such Infringement Claim would have been avoided in the absence of such combination, use, or operation.

7.03 Performance Warranty. Kinsey warrants that Software shall substantially conform in all material respects, as to all operational features, to Kinsey's current specifications as published in Kinsey's documentation for the Software and that when properly installed will be free of material defects which adversely affect system performance. Kinsey disclaims any liability for any loss of data for any reason whatsoever.

THE WARRANTIES SET FORTH IN THIS SECTION 7.0 ARE IN LIEU OF ALL OTHER REPRESENTATIONS AND WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ANY OTHER STATUTORY OR COMMON-LAW WARRANTY KINSEY AND ITS SUPPLIERS ON THEIR BEHALF HEREBY EXPRESSLY DISCLAIM AND EXCLUDE ANY AND ALL SUCH OTHER REPRESENTATIONS AND WARRANTIES. LIABILITY OF KINSEY AND ITS SUPPLIERS TO CUSTOMER, IF ANY FOR BREACH OF WARRANTY ARISING OUT OF CONTRACT NEGLIGENCE OR STRICT LIABILITY IN TORT, OR ANY OTHER CLAIM RELATING TO THIS AGREEMENT SHALL BE LIMITED TO THE TOTAL AMOUNT OF SOFTWARE LICENSE FEES PAID BY CUSTOMER TO KINSEY. IN NO EVENT SHALL KINSEY BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF BUSINESS OR PROFITS, SPECIAL OR INDIRECT DAMAGES OF ANY NATURE WHATSOEVER. KINSEY DISCLAIMS ANY LIABILITY FOR ANY LOSS OF DATA FOR ANY REASON WHATSOEVER.

8.0 RELATIONSHIP.

8.01 Access. In order to permit Kinsey to execute its obligations under the terms hereof, Customer will permit Kinsey to have reasonable access to Customer's premises, data, information, records, computers, and other materials necessary to the performance of this Agreement. Kinsey agrees that it will keep confidential and never divulge any knowledge or information not in the public domain, which is furnished to it by Customer or of which Kinsey becomes aware as a result of visiting the premises of Customer.

8.02 Independent Contractor. Each of Kinsey and Customer will be and shall act as an independent contractor and not as an agent or partner of, or joint venture with the other party for any purpose and neither party by virtue of this Agreement shall have any right, power, or authority to act or create any obligation, express or implied, on behalf of the other party.

8.03 Expenses. Except as otherwise provided herein, or as may hereafter be established by an agreement in writing executed by the parties hereto, all expenses incurred by each party in performing its obligations hereunder shall be borne by the party incurring the expense; except that in the event of a breach of this Agreement by Customer, Kinsey shall be entitled to all costs of collection and enforcing its rights hereunder, including reasonable attorneys' fees.

9.0 DURATION AND TERM.

9.01 Term. Unless sooner terminated pursuant to other terms of this Agreement, this Agreement shall be for a term of five (5) years and shall be automatically renewed for additional five (5) year terms unless sooner terminated by either party by sixty (60) days' prior written notice to the other party.

9.02 Default, Bankruptcy, etc. This Agreement and the license created hereby shall terminate and any and all rights granted to Customer here under shall re-vest in Kinsey;

(1) Upon thirty (30) days' written notice in the event that Customer, its officers, employees or agents violate any provision of this Agreement, including, but not limited to confidentiality and payment provisions; or

(2) Should Customer, its successors or permitted assigns, suspend business, make an absolute assignment of the bulk of its assets for the benefit of creditors, consent to the appointment of a trustee, custodian or receiver, or be declared insolvent or bankrupt; or if a trustee, custodian or receiver is appointed for Customer for a substantial part of its property without its consent and is not discharged within thirty (30) days of such appointment; or if bankruptcy reorganization, arrangement, insolvency or liquidation proceedings are instituted by or against Customer and are not dismissed within ninety (90) days of the commencement thereof.

9.03 Obligations Upon Termination. (1) In the event of termination by reason of the Customer's failure to comply with any provision of this Agreement, or upon any act which shall give rise to Kinsey's right to terminate, Kinsey shall have the right, at any time, to terminate the license(s) and take immediate possession of the Software and documentation and all copies wherever located, without demand or notice. Within thirty (30) days after termination of the license(s), Customer will suspend use of the Software and return to Kinsey the Software in the form provided by Kinsey or as modified by Customer, or upon request by Kinsey destroy the Software and all copies, and certify in writing that they have been destroyed. Termination under this paragraph shall not relieve Customer of its obligations regarding confidentiality contained in this Agreement.

(2) Without limiting any of the above provisions, in the event of termination as a result of Customer's failure to comply with any of its obligations under this Agreement, Customer shall continue to be obligated for any payments due. Termination of the license(s) shall be in addition to and not in lieu of any additional remedies available to Kinsey.

(3) In the event of a final cessation and liquidation of business by Kinsey, notwithstanding any clause herein to the contrary, Customer shall have the right to continue to use the Software and its associated source code in consideration for a payment of the fees described herein to the successors of Kinsey's business.

10.0 NOTICES.

All notices shall be in writing and shall be deemed to be delivered when deposited in the United States Postal Service, postage prepaid, return receipt requested, or when sent by telegram, telex or facsimile (provided a confirmation copy is promptly sent). All notices shall be directed to Customer or to Kinsey, its successors or assigns, at the respective addresses set forth on the title page of this Agreement or to such other address as one party may, from time-to-time, designate by notice to the other party.

11.0 COMPLETE AGREEMENT

11.01 Complete Agreement; Amendments. This Agreement, together with all documents incorporated herein by reference (including all attached Schedules hereto), constitutes the complete and exclusive statement of the agreement between the parties hereto and supersedes any and all prior express or implied agreements or understandings between the parties hereto concerning the subject matter hereof. No amendment, waiver or other alteration of this Agreement may be made except by mutual agreement in writing.

11.02 Partial Invalidity. If any provision of this Agreement shall be held to be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not be affected thereby.

12.0 RESTRICTIONS ON TRANSFER

This Agreement shall not be assigned, sublicensed or in any other manner transferred to any other person or entity by Customer without the prior written consent of Kinsey.

13.0 HEADINGS

The various headings in this Agreement are inserted for convenience only, and shall not affect the meaning or interpretation of this Agreement or any paragraph or provision hereof.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals as of this day and year.

Kinsey & Kinsey, Inc.

Sweetwater Union High School District

By: _____

By: _____

Print Name: Bradley J. Kinsey

Print Name: _____

Title: CEO

Title: _____

Date: _____

Date: _____

SCHEDULE A TO SOFTWARE LICENSE AGREEMENT ("AGREEMENT")

I. Software Licensed

The following products and/or modules are included in this License Agreement:

MODULE	PRICE
LS Reporting	\$10,000
Segregation of Duties Reporting	\$10,000
LS Auditing	\$10,000
Activity Monitor	\$20,000
Security Templates	\$ 7,500
LS Build	<u>\$10,000</u>
Total List Price	\$67,500
Less Discount	<u>-\$27,500</u>
Net Price	\$40,000

II. Fees

Upon the execution and delivery of this Agreement, Customer will pay to Kinsey a license fee of Seventy-Five Thousand Dollars and no/100ths (\$75,000.00) for the Software licensed hereunder, plus Thirteen Thousand Five hundred Dollars and no/100ths (\$13,500) for first year's Maintenance.

III. Terms

Payments shall be due and payable upon receipt of invoice.

IV. Software Maintenance

Payment of an annual Software Maintenance Fee of \$8,000 starting on the first anniversary of this agreement shall entitle the Customer to continue to use the Software and to receive all updates for the Software. Customer may elect to discontinue the use of the Software at any time after the first year of the term of this Agreement by giving Kinsey one (1) month written notice prior to the end of any annual term to the effect that Customer no longer intends to use the Software and pay the Software Maintenance Fee described in this Section, and, upon completion of the term, uninstalling and suspending all use of the Software and returning to Kinsey all Software and related documentation, including copies thereof, in the same form as they were delivered to Customer, reasonable wear and tear excepted.

Kinsey services to install or configure product updates or to train new functionality will be billed as incurred per the terms of the Master Services Agreement.

V. Perpetual License

Subject to the terms of this Agreement, the License granted to Customer shall become a perpetual license to use the Software upon payment of the Software Maintenance Fee for five (5) or more consecutive full years and Customer shall be entitled to use the Software in its then current form in perpetuity. If, however, maintenance is discontinued, the Customer shall thereafter not receive nor be entitled to receive any future updates to the Software or any support thereof.

VI. Documentation

Copies of the documentation for the Software are provided in electronic format as part of the Software package or module installation.

Kinsey & Kinsey, Inc. and Sweetwater Union High School District

Master Service & Support Agreement

This Master Service and Support Agreement, dated as of the ____ day of _____, 20__, between Kinsey & Kinsey, Inc., a corporation organized and existing under the laws of the State of Illinois having its principal place of business at 26 North Park Boulevard, Glen Ellyn, IL 60137 ("Kinsey"), and Sweetwater Union High School District, organized and existing under the laws of the State of California having its principal place of business at 1130 Fifth Avenue, Chula Vista, CA 91911 ("Customer");

1. Scope of Service

The parties enter into this Agreement for the purpose of providing Customer with consulting services relating to Customer's implementation of Infor/Lawson Software. Kinsey will provide to Customer the Services listed in Exhibit A at the prices set forth in Exhibit A. This Agreement does not commit Customer to purchase any services that are not explicitly identified in Exhibit A.

1.1 All services shall be provided in a professional and workmanlike manner, by individuals qualified by experience and/or training, in full compliance with all applicable laws and regulations, and will meet or exceed industry standards, pursuant to the schedule agreed upon by Kinsey and Customer. Customer reserves the right to approve all individuals providing services pursuant to this Master Agreement. Kinsey agrees to cause its employees and agents to comply with all applicable Customer policies and procedures, including but not limited to Customer's computer security and information systems policies, at all times while on Customer's premises or in the course of providing services pursuant to this Master Agreement.

1.2 Kinsey represents and warrants that nothing delivered by Kinsey to Customer shall contain any protection feature, calendar-related kill codes, Trojan horse, bug collection device or "back door" designed to prevent use of Customer's software or operating system and Kinsey and its employees and agents shall use their best efforts when accessing Customer's computer system not to introduce any virus, worm, or disabling instruction into Customer's operating system.

2. Access

Customer agrees to be responsible for providing appropriate access to systems and programs at Customer, and to provide accurate and timely information for Kinsey to proceed with scheduled work. Customer and Kinsey agree that the full cooperation of both parties is necessary to enable the project to meet expectations. It is understood that Kinsey will work within the constraints of the standard Customer Security policy.

3. Fees/Payment Terms

Services will be billed at the hourly rate(s) set forth in Exhibit A plus expenses. Billing will be due within forty five (45) days of issue. Rates shown do not include sales tax, express shipping, travel expenses, telephone, or modem charges. Mileage will be billed at the IRS allowable rate plus actual tolls and parking expenses. Other expenses will be billed at cost, as accrued, without markup.

4. Limitation of Liability

4.1 Customer acknowledges that Kinsey is a practicing consulting firm specializing in Infor/Lawson Software, and that consulting services are provided on a non-exclusive basis. Kinsey warrants that qualified personnel will perform services provided under this Agreement in a professional manner. In no event shall Kinsey be liable to Customer for loss of profits, or any special, indirect, exemplary, consequential, or incidental damages, including costs or legal expenses in connection with the use of performance of models designed or the performance of its obligations pursuant to these terms even if it is aware of the possibility of such damages.

4.2 In any event, the total liability of Kinsey to Customer for any claim under this Agreement, whether it arises by statute, contract or otherwise, will not exceed the lesser of \$100,000 or the amounts paid to Kinsey by Customer under this Agreement for Services which form the subject of the claim. The foregoing limit does not apply to (i) death or personal injury arising from negligence of Kinsey, or (ii) in respect of accidental loss of or damage to Customer's tangible property, to the extent caused by the negligence of Kinsey, its employees or subcontractors. In the event of accidental loss of or damage to Customer's tangible property, to the extent caused by the negligence of Kinsey, its employees or subcontractors, the limit of liability is \$1,000,000.

5. Mutual Not to Hire

Customer agrees not to employ any current or future Kinsey employee for a period of six (6) months from completion of this agreement without prior written permission, whether said employee is at that time in Kinsey's employment or not. Employment shall be defined as the offering of part-time or full-time employment or other form of compensation. Kinsey agrees not to employ any current or future Customer employee for a period of six (6) months from completion of this agreement without prior written permission, whether said employee is at that time in Customer's employment or not. Employment shall be defined as the offering of part-time or full-time employment or other form of compensation. Penalty for breach of this clause shall equal the estimated first year compensation of the hired individual.

6.0 Confidential Information

6.1 In the course of their dealings, the parties may disclose to one another confidential information relating to their business ("Confidential Information"). Neither party will disclose the other party's Confidential Information to any third party without the prior written consent of the other party, nor will a party make use of any of the other party's Confidential Information except in the performance of rights or obligations under this Agreement. Each party will use at least the same degree of care to avoid disclosure of the other party's Confidential Information as it uses with respect to its own Confidential Information, but in no event shall less than reasonable care be used.

6.2 Confidential Information does not include information: (a) generally available to or known to the public, (b) previously known to the recipient without any obligation of confidentiality, (c) independently developed by the recipient outside the scope of this Agreement without any use of the other party's Confidential Information, (d) lawfully disclosed to the recipient by a third party under no obligation of confidentiality, or (e) disclosed pursuant to a valid court order or as required by a judicial court or tribunal of competent jurisdiction.

7. Work Product

Kinsey retains all right, title and interest in any software, documentation or other works provided or developed as a result of performing Services ("Works"). Either party may (a) independently develop works competitive with or similar to the Works, and (b) make use of the know-how acquired, principles learned or experience gained during the performance of the Services.

8. Termination

8.1 Customer is paying Kinsey for services to be provided as indicated on Exhibit A. Kinsey will make every effort to accommodate Customer's requests for services on specific dates up to ninety (90) days in advance, but such requests are subject to each specific consultant's availability. Customer may terminate scheduled work at any time with two (2) weeks written notice. Scheduled dates, which are canceled by Customer less than ten (10) business days in advance of dates, will be billed at regular rates.

8.2 Either party may terminate this Agreement if the other party fails to remedy a breach of any material obligation under this Agreement within thirty (30) days of receiving written notice from the other party detailing such breach. Upon termination, Customer shall continue to be liable for any obligations arising, liabilities accrued or amounts payable under this Agreement executed prior to termination. Sections 4, 5, 6, and 7 of this Agreement shall survive the termination of this Agreement.

9.0 General

9.1 All notices pursuant to this Agreement will be in writing and given by hand delivery, registered mail or certified mail (postage prepaid) to the other party at the address appearing herein. Customer will promptly give written notice of any change in its address or addressee. Notices will be deemed to be received on delivery or the 5th business day after mailing.

9.2 No delay or failure in exercising any right under this Agreement, or any partial or single exercise of any right, will constitute a waiver of that right or any other rights under this Agreement. No consent to a breach of any express or implied term set out in this Agreement constitutes consent to any subsequent breach.

9.3 If any provision of this Agreement is, or becomes, unenforceable, it will be severed from this Agreement and the remainder of this Agreement will remain in full force and effect.

9.4 This Agreement is binding upon and will inure to the benefit of both parties, and their respective successors and assigns. Either party may assign or otherwise transfer its rights under this Agreement to a third party (“assignment”) on the condition that (a) the third party delivers to the non-assigning party a duly executed document agreeing to be bound by this Agreement and (b) the assignment is part of a bona fide internal corporate reorganization or an arm’s length commercial transaction. Despite the foregoing, if all or part of Customer’s business is acquired by a third party (by way of asset or share purchase, merger or amalgamation) or if it becomes an Affiliate of a third party, the scope and effect of this Agreement will be limited (a) to the business carried on by Customer and its Affiliates prior to the acquisition, and if applicable (b) to the total number of copies or users of Software actually deployed by Customer immediately prior to either of the foregoing events.

9.5 Customer understands the terms set forth in this Agreement, including, but not limited to, the pricing terms and Kinsey & Kinsey Confidential Information, and Customer may not disclose such terms to any third party, including a third party acquiring or acquired by Customer by merger, consolidation or otherwise, without Kinsey & Kinsey’s prior written consent.

9.6 This Agreement represents the entire understanding and agreement between Customer and Kinsey with respect to Services, and it supersedes all prior negotiations, commitments and understandings, verbal or written. This Agreement may only be amended or otherwise modified by written agreement signed by the authorized signatories of both parties.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals as of this day and year.

Kinsey & Kinsey, Inc.

”Customer”

By: _____

By: _____

Print Name: Bradley J. Kinsey

Print Name: _____

Title: CEO

Title: _____

Date: _____

Date: _____

EXHIBIT A

Statement of Work

Kinsey is pleased to offer Customer this SOW for its services.

[Details to be provided]

Kinsey & Kinsey, Inc.

By: _____

Print Name: Bradley J. Kinsey

Title: CEO

Date: _____

"Customer"

By: _____

Print Name: _____

Title: _____

Date: _____



June 26, 2017

Board Item - G.-1.

Issue:

Contract with nonpublic agency Deaf Community Services for American Sign Language interpreting.

Superintendent's Recommendation:

Approve Contract with Deaf Community Services for payment of interpreting service costs for students in special education who are deaf and require American Sign Language interpretation per Individualized Education Program specifications for the 2017-2018 school year.

Analysis:

Federal Individuals with Disabilities Education Act (IDEA) law mandates the Local Educational Agencies provide the appropriate level of educational services to students with disabilities. Under the provisions of California Education Code Section 56000, the district is required to provide special education or related services to individuals with exceptional needs and to contract for such services with private nonsectarian schools and agencies as appropriate.

This item will approve the Contract for the certified nonpublic agency Deaf Community Services of San Diego, Inc. (DCS). DCS will provide interpreting services in American Sign Language (ASL) for district students who are deaf and use ASL as their primary means of communication. These services will be provided per student Individualized Education Programs (IEPs) for the 2017-2018 school year.

Over the past several years, the district has been unable to secure applicants for the position of Educational Interpreter. As the provision of deaf interpreting is a required service in IEPs for students who are deaf, a relationship with contract agencies must be established. The district will continue to recruit and encourage training for the position of Educational Interpreter.

For questions regarding this board item, please contact Ana Maria Alvarez at (619) 691-5546 or ana.alvarez@sweetwaterschools.org.

Fiscal Impact:

Expenditure of \$800,000, to be paid from the special education-IDEA budget, Resource Code: 3310.

ATTACHMENTS:

Description	Type
📎 Nonpublic Master Contract	Backup Material
📎 Appendix B	Backup Material

LEA: _____ Nonpublic: _____

2017-2018

San Diego County Nonpublic Master Contract

Directions:

- Main document **must** be completed for every Nonpublic School/Agency or Room & Board Contract.
- Complete and attach Appendices A: School, B: Agency, C: Room & Board as appropriate.



San Diego County Office of Education
Student Services and Programs Division
Special Education Department

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Main Document

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MAIN DOCUMENT

APPENDIX A: SCHOOLS

APPENDIX B: AGENCIES

APPENDIX C: ROOM AND BOARD

Directions:

- *Main document **must** be completed for every Nonpublic School/Agency or Room & Board Contract*
- *Complete and attach Appendices A: School, B: Agency, C: Room & Board as appropriate.*

LEA: _____ Nonpublic: _____

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NONPUBLIC
MASTER CONTRACT

CONTRACT YEAR _____

This Master Contract is made and entered into

this _____ day of _____, 20____ between the

_____, County of San Diego,
(Local Education Agency)

hereinafter sometimes referred to as the "LEA," and

(Nonpublic,)

hereinafter referred to as "CONTRACTOR."

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SECTION 1: AUTHORIZATION FOR MASTER CONTRACT AND GENERAL PROVISIONS

1.1 MASTER CONTRACT

For the purpose of providing special education and related services to individuals with exceptional needs under the authorization of Education Code sections 56157, 56361, and 56365-56366.5 the Master Contract consists of (the Main Document and Master Contract Appendices A (Schools), B (Agencies), C (Room & Board)). The general term "Master Contract" refers to the Master Contract /Main Document/ and Master Contract /Appendices A (Schools), B (Agencies), and C (Room and Board) given to the CONTRACTOR by a representative of the LEA's Special Education Unit on terms acceptable to the LEA and CONTRACTOR.¹ It is also understood that this contract does not commit the CONTRACTOR to provide special education and related services to any individual unless and until an Individual Services Agreement is executed between the LEA and the CONTRACTOR on behalf of such individual or interim written approval is given to the CONTRACTOR by an authorized representative of the LEA's Special Education Unit. This interim written approval shall be for a maximum period of 90 days, beginning with the anticipated student start date, during which time the contract and/or Individual Services Agreement shall be completed and executed by the LEA and CONTRACTOR. If an Individual Services Agreement is not completed and executed by the LEA and the CONTRACTOR within this ninety-day period, the LEA or CONTRACTOR may request an IEP meeting to be held as soon as possible to discuss a change in placement for the pupil. The LEA shall continue to reimburse the CONTRACTOR as set forth in the interim written approval, or as otherwise agreed by the parties in writing, pending any change in placement or subsequent execution of an Individual Services Agreement.

1.2 SUPERSEDES PRIOR CONTRACTS

This Master Contract includes the Main Document, Appendix A (Schools), Appendix B (Agencies), Appendix C (Room and Board), to the extent that they are applicable, and each ISA, all of which are incorporated herein by this reference and any exhibits or attachments hereto constitute the entire agreement between the parties to this contract and supersedes any prior contract, understanding, or agreement with respect to the terms set forth in this contract.

1.3 MODIFICATIONS AND AMENDMENTS

The LEA and CONTRACTOR agree that any amendments to the contract must be in writing and approved by the LEA's Governing Board and the Board of Directors/Trustees or authorized representative of CONTRACTOR. Prior to executing a written amendment to the contract, the LEA shall obtain approval from the San Diego County SELPA Directors and the County Director of Special Education. In implementing this Master Contract, any specific terms related to an individual pupil shall be reflected in the Individual Services Agreement.

1.4 INDIVIDUAL SERVICES AGREEMENT

The LEA and CONTRACTOR shall enter into an Individual Services Agreement for each pupil who is to receive special education and/or related services provided by the CONTRACTOR. The LEA is responsible for completing each pupil's Individual Services Agreement, which shall identify the provider of each service required by the pupil's Individualized Education Program (IEP) or Individualized Family Service Plan (IFSP) (CCR 3062(e)). Individual Services Agreements shall only be issued for those pupils enrolled with the approval of the LEA. Changes in any LEA pupil's educational program, including instruction, services, or instructional setting provided under this contract, may only be made on the basis of revisions to the pupil's IEP or IFSP. At any time during the term of this contract, the parent, the CONTRACTOR or LEA may request a review of the pupil's IEP/IFSP, subject to all procedural safeguards required by law, including notice given to and participation by the CONTRACTOR in the IEP Team meeting. In the event that the CONTRACTOR recommends that the pupil requires either a lesser or more restrictive placement than the CONTRACTOR can provide, the CONTRACTOR will notify the LEA immediately. The LEA shall expedite the review and/or the resulting change in placement, and shall modify the Individual Services Agreement as appropriate if there is a change in the instructional and/or other services provided.

¹ Please see Appendix B for Agencies for exceptions to NPA Hired as Full Time Equivalent.

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1.5 NONPUBLIC CERTIFICATION OR WAIVER

A current copy of the CONTRACTOR'S California Department of Education Nonpublic Certification or waiver of such certification issued by CDE pursuant to EC 56366.2 is attached hereto. This Master Contract shall be null and void if such certification is expired, revoked, rescinded, or otherwise nullified during the effective period of this contract.

1.6 TERM OF MASTER CONTRACT

Neither the CONTRACTOR nor the LEA is required to renew this contract in subsequent contract years. In the event that a pupil is enrolled with the CONTRACTOR during the term of this contract and said pupil continues to receive special education and/or related services by the CONTRACTOR as approved by the LEA in accordance with the pupil's IEP/IFSP and either (a) a new contract has not been fully executed or (b) the CONTRACTOR or the LEA chooses not to renew this contract, the terms of this contract and associated Individual Service Agreements shall apply to any and all special education and/or related services provided by CONTRACTOR and payment for those services by the LEA.

Upon agreement of both parties to this Master Contract, its provisions shall be retroactive to the beginning of this contract year (July 1st), to cover services provided by the CONTRACTOR to LEA students, unless otherwise mutually agreed upon by both parties.

The term of this Master Contract shall be from _____, 20 _____ to _____, 20 _____.

Any subsequent Master Contract is to be renegotiated prior to June 30 of each year.

This Master Contract has no force or effect until approved or ratified by the LEA's Governing Board.

1.7 COMPLIANCE WITH APPLICABLE FEDERAL AND STATE LAWS

During the term of this contract, the CONTRACTOR and LEA shall comply with all applicable federal and state laws and regulations relating to the required special education and designated instruction and services and facilities for individuals with exceptional needs, including those not expressly documented in this Master Contract.

a. Nondiscrimination

The CONTRACTOR and the LEA shall not discriminate on the basis of race, religion, sex, national origin, age, sexual orientation disability or any other classification protected by federal or state laws in employment or operation of its programs.

b. Sexual Harassment Policy

The CONTRACTOR shall have a written policy on sexual harassment in accordance with state and federal regulations and guidelines.

c. Corporal Punishment Prohibitions

(l) No public education agency, or nonpublic school or agency serving individuals pursuant to Education Code Section 56365 et seq., may authorize, order, consent to, or pay for any of the following interventions, or any other interventions similar to or like the following:

- (1) Any intervention that is designed to, or likely to, cause physical pain;
- (2) Releasing noxious, toxic or otherwise unpleasant sprays, mists, or substances in proximity to the individual's face;
- (3) Any intervention which denies adequate sleep, food, water, shelter, bedding, physical comfort, or access to bathroom facilities;
- (4) Any intervention which is designed to subject, used to subject, or likely to subject the individual to verbal abuse, ridicule or humiliation, or which can be expected to cause excessive emotional trauma;
- (5) Restrictive interventions which employ a device or material or objects that simultaneously immobilize all four extremities, including the procedure known as prone containment, except that prone containment or similar techniques may be used by

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trained personnel as a limited emergency intervention pursuant to subsection (i) of Ed Code Section 56521.2 (a) (5)
(6) Locked seclusion, except pursuant to subsection (i)(4)(A) of Ed Code Section 56521.2 (a) (6)
(7) Any intervention that precludes adequate supervision of the individual; and
(8) Any intervention which deprives the individual of one or more of his or her senses.

d. Student Discipline

Contractor shall maintain and abide by a written policy for student discipline that is consistent with state and federal law and regulations, such that students who exhibit serious behavioral challenges receive timely and appropriate assessments and positive supports and interventions in accordance with the federal Individuals with Disabilities Education Act and its implementing regulations.

When a CONTRACTOR seeks to remove a student from his/her current educational placement for disciplinary reasons, CONTRACTOR shall immediately submit a written discipline report to the LEA and a manifestation IEP team meeting shall be scheduled by the LEA. Written discipline reports shall include, but not be limited to: the student's name; the time, date, and description of the misconduct; the disciplinary action taken by CONTRACTOR; and the rationale for such disciplinary action. A copy of the student's behavioral plan, if any, shall be submitted with the written discipline report. CONTRACTOR and LEA agree to participate in a manifestation determination at an IEP meeting no later than the tenth (10th) day of suspension.

e. Behavioral Emergency Reports (Ed. 56521.1(a))

(1) Anytime an emergency intervention is used pursuant to Ed Code Section 56521.1(a) subsection (i), CONTRACTOR must notify LEA and IEP team immediately and document emergency intervention in a "Behavioral Emergency Report" as defined by 56521.1(e).

(2) Whenever a "Behavioral Emergency Report" is written regarding an individual who does not have a behavioral intervention plan, the designated responsible administrator shall, within two days, schedule an IEP team meeting to review the emergency report, to determine the necessity for a functional behavioral assessment, and to determine the necessity for an interim behavioral intervention plan.

(3) Anytime a "Behavioral Emergency Report" is written regarding an individual who has a behavioral intervention plan, any incident involving a previously unseen serious behavior problem or where a previously designed intervention is not effective should be referred to the IEP team to review and determine if the incident constitutes a need to modify the plan.

(4) "Behavioral Emergency Report" data shall be collected by CONTRACTOR and be submitted to LEA.

(5) A summary of Behavioral Emergency Reports shall be submitted at least monthly to the LEA and the Director of the Special Education Local Plan Area of which the LEA is a member.

1.8 DEFINITIONS

"DAYS": For the purpose of the contract, "days" refers to calendar days unless otherwise specified.

"PARENT": For the purpose of the contract, a parent (34CFR 300.3Da) is the natural parent, adoptive parent, or legal guardian or any other adult granted educational decision-making rights by the natural or adoptive parent or a court of competent jurisdiction. A trained, certified surrogate parent, identified by the LEA, may act on behalf of the pupil if no parent, guardian or person acting as a parent can be located. The LEA shall be responsible for providing a translator for the parent if needed.

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SECTION 2: ADMINISTRATION OF CONTRACT

2.1 NOTICES

Notices provided for by this contract shall be in writing, be delivered to the individual identified below in this section, and shall be delivered by certified, registered, or return receipt requested mail, postage prepaid, or by facsimile transmission, unless a specific section of this contract requires or allows notice or contact to be made in a different manner or to a different individual. The effective date of an invoice shall be the date of its receipt by the LEA. The effective date of all other notices shall be the date of the postmark or of the facsimile transmittal date identified in the document. In the event there is a change in the individual to be notified, the CONTRACTOR or the LEA shall provide written notice of the change and, after such notice is provided, all future notices shall be addressed to that individual. Notice may be provided under this section pursuant to regular United States mail if the LEA and CONTRACTOR agree in writing to notice by regular United States mail. If the LEA or CONTRACTOR does not identify an individual to be notified in this section, the person to be notified under this section shall be the LEA or CONTRACTOR representative that executes this contract.

Notices mailed to the LEA shall
be addressed to:

Name/Title

Local Education Agency

Address

City State Zip

()

Phone

()

Facsimile

Email Address

Notices to the CONTRACTOR shall
be addressed to:

Name/Title

Nonpublic School

Address

City State Zip

()

Phone

()

Facsimile

Email Address

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2.2 INDEPENDENT CONTRACTOR STATUS

This contract is by and between two independent contractors and is not intended to and shall not be construed to create the relationship of agent, servant, employee, partnership, joint venture or association.

2.3 SUBCONTRACT AND ASSIGNMENT

The CONTRACTOR shall not enter into an initial subcontract with any noncertified Nonpublic Agency (NPA) or provider, for any of the instructional or related services contemplated under this contract without first obtaining written approval by a representative of the San Diego County Office of Education (i.e. County Director of Special Education or a SELPA Director). Such approval shall not be unreasonably withheld. The LEA and CONTRACTOR shall maintain a copy of the written approval.

2.4 INDEMNIFICATION

The CONTRACTOR hereby indemnifies, defends, and holds harmless the LEA, its Board, officers, employees, agents, independent contractors, consultants and other representatives from and against any and all liabilities, claims, demands, costs, losses, damages, or expenses, including reasonable attorneys' fees and costs, and including but not limited to consequential damages, loss of use, extra expense, cost of temporary classrooms, that arise out of or result from, in whole or in part, the negligent, wrongful or willful acts or omissions of the CONTRACTOR, its employees, agents, subcontractors, independent contractors, consultants, or other representatives.

The LEA hereby indemnifies, defends, and holds harmless the CONTRACTOR, its Board, officers, employees, agents, independent contractors, consultants and other representatives from and against any and all liabilities, claims, demands, costs, losses, damages, or expenses, including reasonable attorneys' fees and costs, and including but not limited to consequential damages, loss of use, extra expense, cost of temporary classrooms, that arise out of or result from, in whole or in part, the negligent, wrongful or willful acts or omissions of the LEA, its employees, agents, subcontractors, independent contractors, consultants, or other representatives.

The CONTRACTOR shall have no obligation to indemnify, defend, or hold harmless the LEA, its Board, officers, employees, agents, independent contractors, consultants, and other representatives for the LEA's sole negligence or willful misconduct; and the LEA shall have no obligation to indemnify, defend, or hold harmless the CONTRACTOR, its Board, officers, employees, agents, independent contractors, consultants and other representatives for the CONTRACTOR'S sole negligence or willful misconduct. This indemnity shall survive the termination of the Contract or final payment hereunder, and is in addition to any other rights or remedies that the CONTRACTOR or LEA may have under the law or this contract.

2.5 INSURANCE

During the entire term of this contract and any extension or modification thereof, the CONTRACTOR shall keep in effect a policy or policies of general liability insurance, including contractual liability coverage, professional liability, and auto liability coverage of owned and non-owned vehicles used by CONTRACTOR in relation to the performance of service(s) under this Master Contract, with minimum limits of one million dollars (\$1,000,000) per occurrence, and three million dollars (\$3,000,000) in aggregate. Such insurance shall name LEA as an additional insured, and an endorsement evidencing such coverage shall be provided within 90 days, only as to matters arising out of this Master Contract for which CONTRACTOR has an obligation to indemnify the LEA, under the Indemnification clause, Section 2.6, of this Master Contract.

Not later than the effective date of this contract, the CONTRACTOR shall provide the LEA with satisfactory evidence of insurance. The insurance maintained by CONTRACTOR shall include a provision for the insurance provider to send written notice of cancellation or modification to the CONTRACTOR at least 30 calendar days before cancellation or adverse material change, or 10 days for nonpayment of premium. Such CONTRACTOR'S insurance may contain the same notice requirement for the LEA. If the insurance provider is only required to send such notice to the CONTRACTOR (but not the LEA) CONTRACTOR shall provide the LEA written notice of cancellation or adverse material modification within one business day after receiving such notice from the insurer. Such notice shall be provided pursuant to Section 2.3 (Notices) of this contract. The CONTRACTOR shall at its own cost and expense procure and maintain insurance under the applicable state's Workers' Compensation laws. Failure to maintain the above mentioned insurance coverage shall be cause for termination of this contract.

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LEA warrants that it is self-insured in compliance with the laws of the State of California, that the self insurance covers persons acting on its behalf or under its control, that its self insurance covers LEA's indemnification obligations to CONTRACTOR under this contract, and that LEA agrees to provide coverage to CONTRACTOR pursuant to this self insurance in the event the indemnification obligations of Section 2.6 of this contract are triggered. The LEA further warrants that it shall notify the CONTRACTOR pursuant to Section 2.3 (Notices) of this contract, of any material insurance coverage changes at least thirty days prior to the change.

CONTRACTOR agrees that any subcontractor with which it contracts to provide services pursuant to any Individual Services Agreement, shall submit written proof of insurance in a minimum amount of \$1,000,000 per occurrence, including general, liability, auto liability (if applicable), and professional liability (if applicable). Such insurance shall be maintained by any subcontractor for the scope of duties performed and duration of time it provides services to LEA pupils. Proof of insurance shall be provided to the LEA prior to the beginning of transportation services by a subcontractor, and upon renewal of coverage thereafter. Transportation subcontractors shall submit copies of insurance policies upon request of the LEA; otherwise, certificates of insurance may be acceptable proof, provided that the information thereon is adequate and verifiable. Subcontractors shall be required to provide to the CONTRACTOR written notice of cancellation of insurance or adverse material change in such insurance at least 30 days prior to cancellation or adverse material change or within one business day after receiving such notice, whichever is earlier.

2.6 TRANSPORTATION

Transportation costs are the responsibility of the LEA unless otherwise agreed to in writing. The CONTRACTOR shall provide each pupil whom the CONTRACTOR transports with adequate supervision during transports and with instruction in school bus emergency procedures and passenger safety, as appropriate to the pupil's needs. The CONTRACTOR shall have in place a transportation safety plan containing procedures for school personnel to follow to ensure the safe transport of pupils.

In the event the CONTRACTOR transports students due to health, behavior, or other emergencies, or as otherwise agreed to between the CONTRACTOR and the LEA, the LEA shall reimburse CONTRACTOR at the rate specified in this Master Contract (Rate Schedule - Schools: Section 4.1, Agencies: Section 5.1).

2.7 WAIVERS

The LEA and/or CONTRACTOR may independently or jointly submit waivers of applicable state laws and regulations.

2.8 SUCCESSORS IN INTEREST

This contract binds the CONTRACTOR's successors and assignees. CONTRACTOR shall not assign this Master Contract without the written consent of LEA, and any attempt by Contractor to effect such an assignment without the written consent of LEA shall make this Master Contract terminable at the option of the LEA.

2.9 SEVERABILITY

If any provision or portion of a provision of this contract is held in whole or in part to be unenforceable for any reason, the remainder of the provision and of the entire contract shall be severable and shall remain in effect.

2.10 CONFLICTS OF INTEREST

a. The CONTRACTOR agrees to furnish to the LEA a copy of its current bylaws and a current list of its Governing Board of Directors (or Trustees), if it is incorporated. LEA has the right to request a current list of the Board of Directors or Trustees at any time during the term of the Master Contract.

b. CONTRACTOR and members of its Board of Directors (or Trustees) shall disclose any relationship with LEA that constitutes or may constitute a conflict of interest including, but not limited to, employment with LEA, provisions of private party assessments and/or reports, and attendance at the IEP team meetings and/or due process proceedings.

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c. Anytime the CONTRACTOR is contracted to conduct a formal Independent Educational Evaluation (IEE), and the IEP team determines that services are necessary as a result of that IEE the LEA shall be obligated to select a service provider who is not the CONTRACTOR. Unless, a service provider who is not the CONTRACTOR is unavailable or unable to provide that service.

2.11 INABILITY TO MEET CONTRACT REQUIREMENTS

The CONTRACTOR shall notify the LEA in writing when the CONTRACTOR is unable to meet the requirements of this contract. The LEA shall notify CONTRACTOR in writing when the LEA is unable to meet the requirements of this contract.

2.12 DISPUTE RESOLUTION

Disagreements concerning the meaning, requirements or performance of this contract shall first be brought to the attention of the other party in writing, pursuant to the notice provisions (Section 2.3) of this contract, in an attempt to resolve the dispute at the lowest level. Any remaining disputes or disagreements may be resolved either 1) as voluntarily agreed to by the parties, 2) by equitable remedies, or 3) by other legal means.

2.13 DUE PROCESS AND COMPLAINT PROCEDURES

CONTRACTOR and LEA shall comply with all applicable federal and state laws and regulations related to Due Process and the rights of students and parents.

CONTRACTOR agrees to maintain policies and procedures as follows: (1) Uniform Complaint Procedures pursuant to Title 5 of the California Code of Regulations section 4600 *et seq.*; (2) Nondiscrimination policy pursuant to Title 5 of the California Code of Regulations section 4960 (a); (3) Sexual Harassment Policy, California Education Code 231.5 (a) (b) (c); (4) Title IX Student Grievance Procedure, Title IX 106.8 (a) (d) and 106.9 (a); and (5) Notice of Privacy Practices in compliance with Health Insurance Portability and Accountability Act (HIPAA).

2.14 VENUE AND GOVERNING LAW

This contract, and conditions of this contract, shall be governed by the laws of the State of California with venue in San Diego County, California.

2.15 RIGHT TO REPORT MASTER CONTRACT VIOLATIONS

The CONTRACTOR acknowledges and understands that the LEA may report to the CDE any violations of the provisions of this contract; and that may result in the suspension of the CDE nonpublic school certification pursuant to California EC section 56366.4(a).

2.16 TERMINATION OF MASTER CONTRACT AND/OR INDIVIDUAL SERVICES AGREEMENT

a. Master Contract

Either the LEA or the CONTRACTOR may terminate this Master Contract for cause as set forth in EC section 56366(a)(4), with twenty (20) days written notice pursuant to Section 2.3 of this contract, or immediately if the CONTRACTOR and LEA mutually agree that there are significant health or safety concerns. Cause shall include but not be limited to non maintenance of current nonpublic school certification, failure of either the LEA or the CONTRACTOR to maintain the standards required under the Master Contract and/or Individual Services Agreement, or material breach of the contract by CONTRACTOR or LEA. To terminate the contract either party shall give a minimum of 20 days written notice pursuant to the provisions of Section 2.3 (Notices) of this contract. Upon termination, the LEA shall pay within 45 days, without duplication, for all services performed and expenses incurred to date of termination according to the provisions set forth in Schools Document Section 4.1, Agencies Document Section 5.1 (Rate Schedule) and Main Document Section 4.1 (Billing and Payment) of this contract. CONTRACTOR shall provide to the LEA the IEP/IFSP and all related documents in its possession or under its control pertaining to its services,

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for all pupils of the LEA who were receiving services from the CONTRACTOR in accordance with applicable state and federal laws regarding student records.

b. Individual Services Agreement

The Individual Services Agreement may be terminated or suspended by the LEA or the CONTRACTOR for cause, as set forth in EC section 56366(a)(4), with twenty (20) days written notice pursuant to Section 2.3 (Notices) of this contract, or immediately if the CONTRACTOR and the LEA mutually agree that there are significant health or safety concerns.

Individual Services Agreements are null and void upon termination of the Master Contract.

The LEA shall not terminate Individual Services Agreements because of the availability of a public class initiated during the course of the contract unless the parent agrees to the transfer of a pupil to a public school program, which agreement must only be given in a duly called and held IEP/IFSP meeting at which the CONTRACTOR is present.

2.17 INDIVIDUALIZED EDUCATION PROGRAM (IEP) / INDIVIDUALIZED FAMILY SERVICE PLAN (IFSP)

When a pupil is accepted for enrollment in a nonpublic school, the CONTRACTOR shall provide the pupil a program of educational instruction and services within the nonpublic school, which is consistent with his or her IEP/IFSP as specified in each pupil's Individual Services Agreement.

The CONTRACTOR shall implement those responsibilities delegated to CONTRACTOR in the plan for transition services (per EC section 56445 and EC section 56462) as stated by the IEP/IFSP.

The CONTRACTOR shall provide an appropriate adult to pupil ratio for pupils with exceptional needs between three and five years of age, in accordance with EC 56441.5.

The LEA shall invite the CONTRACTOR and the CONTRACTOR shall participate in all IEP/IFSP meetings, including those related to placement and those called by the parent in accordance with EC section 56343.5, so long as the pupil is to be served by the CONTRACTOR pursuant to an Individual Services Agreement. The child's present teacher shall participate in the IEP meeting in accordance with EC 56341(b)(3). Every effort shall be made to schedule the meeting at a time and place that is mutually convenient to parents, CONTRACTOR's staff, and LEA's staff.

The local educational agency shall oversee and evaluate the pupil's placement in the NPS through the IEP process. The IEP team shall evaluate whether the pupil is making appropriate educational progress through a review of the student's progress toward IEP goals and, as appropriate, a review of the pupil's scores on state assessments. If the NPS staff or LEA will be making recommendation(s) for significant changes to the student's program, placement or services, the LEA Case Manager and representative of the NPS shall discuss the recommendation(s) prior to the IEP meeting. The IEP team will consider whether or not the needs of the pupil continue to be best met at the nonpublic school, whether changes to the pupil's IEP are necessary, and whether the pupil may be transitioned to a public school setting (EC 56366(a)(2)(B), EC 56343(d), EC 56043(h)). Partial day attendance at the NPS may be appropriate to support transition to a public school program.

2.18 FREE APPROPRIATE PUBLIC EDUCATION

No charge of any kind to parents shall be made by the CONTRACTOR for educational activities and related services specified on the pupil's IEP/IFSP, including screening or interviews which occur prior to or as a condition of a pupil's enrollment under the terms of the contract, except as specified in writing in a due process procedure that is signed by all relevant parties and attached to the relevant pupil's Individual Services Agreement, or for voluntary extracurricular activities conducted subsequent to written notification to parents as to the cost and the voluntary and extracurricular nature of the activity. Unless the activity (for example, field trips) takes place during a school vacation or holiday, pupils not participating in such activities shall continue to receive special education and/or related services as set forth in their IEP/IFSPs.

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2.19 TRANSITION TO A LRE

CONTRACTOR & LEA shall support Least Restrictive Environment options, including dual enrollment, if appropriate, for students enrolled in NPS to have access to the general curriculum and to be education with nondisabled peers to the maximum extent appropriate.

CONTRACTOR & LEA shall address LRE placement options for students enrolled in NPS at all IEP team meetings, including whether the students may be transitioned to a public school setting.

When an IEP team has determined that a student should be transitioned into the public school setting, CONTRACTOR shall assist the LEA in implementing the IEP team's recommendations activities to support the transition.

2.20 PUPIL PROGRESS

The CONTRACTOR shall have written procedures in place for measuring progress utilizing on-going data collection in the goal areas identified on the IEP/IFSP.

The CONTRACTOR shall provide to parents and the LEA case manager written pupil progress reports on the goals in the IEP/IFSP, no less than quarterly. The CONTRACTOR shall submit an updated report if there is no current progress report when pupils are scheduled for a review by the IEP/IFSP team or when a pupil's enrollment is terminated.

The CONTRACTOR shall allow periodic review of each pupil's instructional program by the LEA. Representatives of the LEA shall have reasonable access to observe each pupil at work, observe the instructional setting, meet with the CONTRACTOR and review each pupil's progress, including the behavioral intervention plan, if any. LEA representatives making site visits shall initially report to the CONTRACTOR's site administrative office.

2.21 ASSESSMENTS

a. Individual Student Assessments

If the CONTRACTOR receives a parent request for evaluation, the CONTRACTOR shall inform the parent of his or her ability to submit a written request for evaluation to the LEA in accordance with applicable law. The LEA shall collaborate with the CONTRACTOR to develop the evaluation plan and submit it to the parent for approval. The LEA retains the responsibility for conducting triennial evaluations (EC 56381(c)).

2.22 CONFIDENTIALITY OF RECORDS

All reports, records and other documents that CONTRACTOR is required to submit to LEA, the Special Education Local Plan Area, or otherwise, pursuant to this contract, shall be redacted to the extent necessary and appropriate to protect the confidentiality and privacy of pupils, employees, and subcontractors, as provided for pursuant to state and federal law.

2.23 FORWARDING OF EDUCATIONAL RECORDS

The CONTRACTOR agrees, in the event of school closure, to immediately forward pupil records to the LEA pertaining to the LEA's pupils enrolled in CONTRACTOR's educational program. These records shall include, but need not be limited to, current transcripts, IEP/IFSPs and results of performance testing.

2.24 DATA REPORTING

CONTRACTOR agrees to provide LEA with all student information required for LEA to report to the California Longitudinal Pupil Achievement Data System (CALPADS) as well as other data as required by Every Student Succeeds Act (ESSA) or any federal data reporting requirements, including, but not limited to, data required to calculate enrollment and dropout and graduation rates.

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SECTION 3: PERSONNEL

3.1 VERIFICATION OF CREDENTIALS, LICENSES AND OTHER QUALIFICATIONS

The CONTRACTOR shall provide all contracted special education, and/or related services required by the IEP/IFSP, Master Contract and Individual Services Agreement by appropriately qualified staff. The CONTRACTOR shall provide appropriately credentialed teachers and/or licensed or license-eligible personnel or other education related mental health provider consistent with the California laws and regulations unless the California Department of Education has granted a written waiver. The CONTRACTOR shall be responsible for monitoring the status of waiver applications submitted to the state for all non-credentialed teachers and non-licensed service providers. All non-credentialed teachers and non-licensed service providers shall apply for a waiver.

For a NPSs A-G course credits, only University of California A-G approved courses will be accepted by contracting districts.

The CONTRACTOR shall be responsible for verification of credentials and licenses held by its employees, agents and subcontractors. Once the CONTRACTOR has provided the LEA with a copy of the credential or license for all staff providing services to children with disabilities, the CONTRACTOR shall supply the LEA with copies of any changes in the credentials or licenses of staff within 45 days of the change in accordance with Title 5, Section 3062.

The CONTRACTOR is fiscally responsible for all training necessary to provide appropriate services per IEP/IFSP. The LEA shall not reimburse CONTRACTOR for training that occurs outside of contact time with student, and that is not during implementation of IEP/IFSP.

Where behavior intervention services are provided by a nonpublic agency, the CONTRACTOR shall train staff in implementing the behavior support plan or Behavior Intervention Plan and pupils shall receive the level of supervision required in the pupil's IEP/IFSP.

The CONTRACTOR shall comply with all laws and regulations governing the licensed professions, including the provisions with respect to supervision.

3.2 EMPLOYEE FINGERPRINTS AND TUBERCULOSIS TESTING

The CONTRACTOR shall ensure that employee fingerprints have been processed in a manner required by EC section 44237. The CONTRACTOR shall maintain a file containing a current certificate of each person covered by Health and Safety Code Sections 121525-121555 (tuberculosis testing). In addition, contractor will adhere to all of the requirements under AB 389.

3.3 QUALIFICATIONS OF INSTRUCTIONAL AIDES AND TEACHER ASSISTANTS

Effective July 1, 2001 the CONTRACTOR shall ensure that newly hired instructional aides and teacher assistants have demonstrated proficiency in basic reading, writing, and mathematics skills, based on a test selected and administered by the CONTRACTOR.

3.4 REQUIREMENT TO REPORT

a. Child Abuse or Molestation

The CONTRACTOR shall maintain a signed statement by all personnel required to sign such a statement under the child abuse reporting laws, acknowledging their training and understanding of the reporting requirements regarding observed or suspected cases of child abuse. When filing a child abuse report under the Child Abuse Reporting laws, the CONTRACTOR shall include in the report the name, telephone number and address of the LEA representative as identified in Section 2.3 (Notices) of this contract.

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b. Missing Students

The CONTRACTOR shall ensure that staff is aware of its responsibility and requirement to report to parents, and local law enforcement as appropriate, when a pupil leaves campus without permission, immediately upon confirmation that the pupil is missing, in accordance with EC 49370. The CONTRACTOR shall contact the LEA Case Manager by telephone no later than the end of the day in the event a pupil leaves campus without permission, does not return that school day, and is not located at his or her residence or in the custody of his or her parent or guardian.

c. Student Injury

The CONTRACTOR agrees to complete a written report when a pupil has suffered an injury that requires medical attention, and notify the LEA case manager within 48 hours.

In case of incident, the CONTRACTOR agrees to submit a written report to the LEA case manager by the end of the following school day, in cases of injury resulting from physical restraint or the death of a student. The CONTRACTOR agrees to reasonably participate in any communications between a pupil's parents and the LEA regarding any injuries resulting from physical restraint.

SECTION 4: FISCAL

4.1 BILLING AND PAYMENT

a. Invoices

The CONTRACTOR shall submit invoices monthly. The effective date of an invoice shall be the date of the receipt by the LEA. Invoices should clearly reflect rates as specified in the Master Contract, be in accordance with the Individual Services Agreements, and include all days of creditable service, beginning no earlier than the date specified in the Interim Written Approval or ISA. The CONTRACTOR shall submit said invoice for services rendered no later than thirty (30) days from the end of the attendance accounting period calendar month in which said services are actually provided and the invoice shall be submitted pursuant to Section 2.3 (Notices) of this contract. All education related mental health services will be billed by contractor in separate invoice.

b. Late Invoices

If the LEA does not receive a properly submitted invoice within thirty (30) days from the end of the attendance accounting period calendar month, the LEA may deduct 1.5% per month, calculated proportionately per day, of that total invoice, if the LEA does not agree to the request of the CONTRACTOR to an extension of time to submit the invoice.

c. Payment

The LEA shall make payment within forty-five (45) days of receipt of a properly prepared and submitted invoice and such payment shall be submitted pursuant to Section 2.3 (Notices) of this contract. This payment shall be at the rates agreed to in the Rate Schedule (See Appendix A for Schools, B for Agencies, and C for Room and Board) of this contract and shall be in an amount equal to the number of creditable days of attendance during both the regular and extended school years, make-up sessions (including "excused" absences) per the individual services agreement for each pupil. This calculation shall include the Extended School Year if the pupil is enrolled in the Extended School Year, and any other absence for which the LEA has agreed to pay CONTRACTOR and any related services and transportation costs as specified in the Rate Schedule (See Appendix A for Schools, B for Agencies, and C for Room and Board) of this contract and in accordance with the Individual Services Agreements. If no notice of withholding is provided to CONTRACTOR within 10 working days of receipt of an invoice, the LEA shall not withhold any payment. Payment by the LEA shall refer to the invoice number or the date of the bill submitted by the CONTRACTOR.

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d. Pupil Enrolled Prior to Approval of Agreement to a Contract

Ed Code addresses situations when a contract has not yet been developed and the pupil is enrolled and receiving services from the Nonpublic School or Agency (ED 56366.9 c (1)).

"If a pupil is enrolled in a nonpublic, nonsectarian school or agency with the approval of the local educational agency prior to agreement to a contract or individual services agreement, the local educational agency shall issue a warrant, upon submission of an attendance report and claim, for an amount equal to the number of creditable days of attendance at the per diem tuition rate agreed upon prior to the enrollment of the pupil. This provision shall be allowed for 90 days during which time the contract shall be consummated."

e. Late Payment

If the payment is not postmarked from the LEA within forty-five (45) days of the receipt of the invoice, the LEA agrees to pay an additional fee of 1.5% interest per month on amounts not paid, such interest being calculated beginning day forty-six (46) from receipt of the invoice. Interest shall be calculated in accordance with standard accounting procedures. The CONTRACTOR shall bill the LEA for the interest. Failure by the LEA to pay an appropriately submitted invoice within 90 days of receipt may be considered a breach of contract.

f. Medi-Cal Reimbursement

Documentation of LEA Medi-CAL Billable Services will be completed by the provider. All documentation of provider services shall be given to the District/SELPA for reimbursement submissions to Medi-Cal. The contractor will not submit any claims in the LBO (LEA) program and the LEA has the right to submit claims for reimbursement.

4.2 RIGHT TO WITHHOLD

The LEA has the right to withhold payment to the CONTRACTOR when the LEA has reliable evidence, described in writing to the CONTRACTOR at the time the notice of withholding is submitted that: (A) service is provided by personnel who are not appropriately credentialed/licensed; (B) records required by the LEA prior to school closure with respect to one or more LEA pupil(s) enrolled in CONTRACTOR's educational program have not been received; (C) the CONTRACTOR confirms a pupil's change of residence to another district but neglects to notify the LEA within 5 days; or (D) the CONTRACTOR fails to notify the LEA within 5 days after the 10th consecutive school day of a pupil's absence. If the basis for withholding is subsections (B) (C) or (D) of this section the LEA may only withhold the proportionate amount of the bill related to that pupil. If the basis for withholding is subsection (A) of this section, the LEA may only withhold payment for services provided by that personnel.

The LEA shall notify CONTRACTOR in writing within 10 working days of receipt of an invoice of any reason why requested payment shall not be paid. (EC section 56366.5(a)). Such notice shall specify the basis for the LEA's withholding payment and shall be made pursuant to Section 2.3 (Notices) of this contract. If no notice of withholding is provided to CONTRACTOR within 10 working days of receipt of an invoice, the LEA shall not withhold any payment. Within fourteen (14) days from the date of receipt of such notice, the CONTRACTOR shall take all necessary and appropriate action to correct the deficiencies that form the basis for the LEA's withholding payment. Upon receipt of the CONTRACTOR'S written request showing good cause sent pursuant to Section 2.3 (Notices) of this Contract, the LEA shall extend the CONTRACTOR'S time to respond by an additional fourteen days. The CONTRACTOR shall submit rebilling for payment no later than thirty (30) calendar days when an invoice is returned to the CONTRACTOR with a notice of withholding. Upon verification of remediation of identified deficiencies and receipt of rebilling, the LEA shall pay the resubmitted invoice in accordance with Schools: Section 4.1, Agencies: Section 5.1 (Rate Schedule) of this contract. If CONTRACTOR does not resubmit sufficient rebilling or verify remediation of identified deficiencies within thirty (30) calendar days, that shall constitute a reason to continue to withhold payment unless and until CONTRACTOR resubmits the bill and corrects the deficiencies as noted in the original notice of withholding.

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4.3 INSPECTION AND AUDIT

a. Maintenance of Fiscal Records

The CONTRACTOR shall maintain cost data in sufficient detail to verify the annual operating budget in providing education and designated instructional services to children with disabilities and shall make that data available to the LEA upon reasonable request consistent with the provisions of this section. Fiscal records shall be maintained by the CONTRACTOR for five years and shall be available for audit consistent with the provisions of this section.

b. Maintenance of Student Records

District of residence is the custodian of the student records.

c. LEA Access to Documents Related to the Master Contract

The CONTRACTOR shall provide access to, or forward copies of, any documents or other matters relating to the contract within 20 days upon reasonable request by the LEA except as otherwise provided by law. The reason for this request for records shall be provided to the CONTRACTOR at the time it is made. The CONTRACTOR may request from the LEA an extension of time to comply with any records request, which shall not be unreasonably withheld. Such documents may include: 1) registers and roll books of teachers; 2) daily service logs and notes or other documents used to record the provision of related services; 3) absence verification records; 4) transportation records; 5) staff lists specifying credentials held, business and/or professional licenses held documents evidencing other qualifications; 6) dates of hire, and dates of termination; 7) staff time sheets; 8) non-paid volunteer sign-in sheets; 9) related services contracts; 10) school calendars; 11) bell/class schedules; 12) liability and workers' compensation insurance policies; 13) state nonpublic school certifications; 14) marketing materials; 15) statements of income and expenses; 16) general ledgers and supporting documents; 17) all budgetary information and projections submitted by the CONTRACTOR to LEA for purpose of contract negotiations.

d. Audit Exceptions

The CONTRACTOR agrees to accept responsibility for receiving, replying to, and/or complying with any audit exceptions identified by appropriate LEA personnel or State or Federal audit agencies occurring as a result of the CONTRACTOR's performance of this contract. The CONTRACTOR also agrees to pay to the LEA within thirty days of demand by LEA for any financial penalties resulting from any audit exceptions to the extent they are attributable to the CONTRACTOR's failure to perform properly any of its obligations under this contract unless the LEA agrees to different terms in writing and any demand by LEA for such payment shall be made pursuant to the notice provisions of Section 2.3 of this contract. Any, and all audit exceptions must be specified in complete detail before any demand from the LEA for any amount set forth therein.

e. Reasons for Unannounced Visits

LEA and/or Special Education Local Plan Area representatives may make unannounced inspections when there is a concern regarding the health, safety, or welfare of a child, or a substantial concern regarding the implementation of the IEP.

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SECTION 5: SIGNATURES

This Nonpublic Master Contract 2017-2018, including its component parts, may be signed in counterparts and the signatures may appear on separate signature pages. A copy and/or original, with all signatures attached, shall be deemed a fully executed document. A facsimile version of any party's signature shall be deemed an original. The parties hereto have executed this Contract by and through their duly authorized agents or representatives as indicated by their signatures.

This contract is effective on _____ and terminates at 5:00 p.m. on _____ unless sooner terminated as provided herein.

CONTRACTOR

Nonpublic ☐ School ☐ Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

APPROVED AS TO FORM:

SELPA DIRECTOR

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA

Local Educational Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA Board Approval

DATE: _____

LEA: _____ Nonpublic: _____

2017-2018
Nonpublic
Master Contract

Appendix B: Agencies



San Diego County Office of Education
Student Services and Programs Division
Special Education Department

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
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2017-2018

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NONPUBLIC MASTER CONTRACT
Appendix B: Agencies

CONTRACT YEAR _____

SECTION 1: EDUCATIONAL PROGRAM

1.1 ADMISSION/ENROLLMENT PROCEDURES

Prior to the CONTRACTOR deciding whether or not to enroll a pupil, the LEA shall provide the CONTRACTOR a copy of the pupil's current IEP/IFSP, and facilitate an observation of the pupil, data gathering from the current or prior education providers, and any other reasonable information gathering CONTRACTOR wishes to undertake prior to making an enrollment decision. The CONTRACTOR retains the right to decline enrollment of any pupil and nothing in this contract shall be construed to limit this right.

If a pupil is being considered for enrollment, his or her IEP/IFSP shall be reviewed in collaboration with the LEA, CONTRACTOR, parents, and other invited participants, as appropriate.

The CONTRACTOR shall notify the LEA of its decision to decline enrollment or the effective date of enrollment of the pupil in accordance with Section 9 (Notices) of this contract within 10 working days of receipt of the referral.

1.2 SUPPLIES AND EQUIPMENT

The CONTRACTOR shall be responsible for providing all standard and usual supplies and equipment required for the general program provided by CONTRACTOR. If an individual pupil's IEP/IFSP requires specialized equipment and/or supplies beyond the CONTRACTOR'S general program, the LEA shall provide them unless otherwise specified in the Individual Services Agreement. The LEA shall provide the low incidence equipment assigned to the pupil through the IEP/IFSP unless CONTRACTOR specifically agrees in the Individual Services Agreement to provide the low incidence equipment. Supplies and/or equipment purchased and/or provided by the LEA remain the property of the LEA and supplies and/or equipment purchased and/or provided by CONTRACTOR remain the property of CONTRACTOR, if not specifically reimbursed by the LEA for that specific supply or equipment. If the CONTRACTOR provides DIS and/or related services, the CONTRACTOR shall be responsible for providing usual and reasonable supplies and assessment tools necessary to implement the provision of services unless otherwise agreed in the Individual Services Agreement.

1.3 CALENDAR

The CONTRACTOR shall only provide designated instruction and services during the period of the pupil's regular or extended school year program, or both, at the location designated by the IEP, unless otherwise specified by the pupil's IEP/IFSP. The CONTRACTOR shall observe the following legal holidays including Independence Day, Veteran's Day, Labor Day, Thanksgiving Day, Christmas Day, New Year's Day, Dr. Martin Luther King Jr. Day, President's Day, and Memorial Day, as specified in the CONTRACTOR'S official calendar. Make-up sessions may be scheduled for other days of school vacations.

1.4 PARENT VISITS/COMMUNICATION

- a. The CONTRACTOR shall provide for reasonable parental visits to all of the agency facilities including, but not limited to, the instructional setting attended by pupils and recreational activity areas. CONTRACTOR shall notify case manager or other authorized district representative of all planned parental visits, and provide opportunity for case manager or other district representative to attend visit. The CONTRACTOR shall use its good faith efforts to provide that parental visits are in agreement with a court order, if any.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
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- b. All communication between CONTRACTOR and Parent regarding programmatic decisions must include case manager or other authorized IEP team member, unless authorized by LEA representative or case manager, regarding program recommendations.

1.5 **OWNERSHIP**

All activity plans, token systems, reinforce systems or inventories, visual schedules, data, drills, progress reports, quarterly reports, behavior intervention plans, behavior support plans, behavior graphs, student assessment results, and program materials created specifically for individual pupils by CONTRACTOR under this Agreement shall be the joint property of CONTRACTOR and LEA.

1.6 **STAFF ABSENCES**

When a provider is absent, The CONTRACTOR shall provide appropriate coverage in accordance with EC section 56061. The CONTRACTOR shall provide the LEA the documentation of such coverage upon request. As appropriate, the CONTRACTOR and the LEA may make arrangements for make-up sessions, usually within 30 days, at a mutually convenient time and location if appropriate staff is not available to provide coverage for staff absences.

CONTRACTORS who provide nurses, 1:1 aides or 1:1 behavior intervention staff in accordance with an individual student's IEP/IFSP shall provide substitute coverage when the staff member is absent, unless other arrangements have been made with the LEA on a case by case basis.

SECTION 2: ATTENDANCE

The CONTRACTOR shall keep original records of services provided to each pupil in a register, report or record with the pupil's absences clearly indicated. The CONTRACTOR shall file the signed copies of such service logs with monthly invoices to the LEA within thirty (30) days of the close of the school month. The documents and reports identified in this section shall be provided to LEA pursuant to the provisions in Section 2.3 (Notices) of the Nonpublic Master Contract Main Document. The CONTRACTOR is responsible for verifying accuracy of the service logs and for informing subcontractors of their personal responsibility for the completion and accuracy of said forms. A unit of service for payment purposes is one session as specified in the pupil's IEP/IFSP.

If a pupil's absences exceed more than ten days, the CONTRACTOR may notify the LEA of the intent to terminate the Individual Services Agreement and if it does, at the same time it shall request an IEP/IFSP meeting. Said notice shall be provided pursuant to Section 9 (Notices) of this contract. Upon receipt of this request, the LEA shall convene an IEP/IFSP meeting as soon as possible to review the placement, modify the IEP/IFSP if appropriate, or determine another appropriate placement option for the student.

If a CONTRACTOR attempts to provide services for 5 consecutive days or sessions, and the student is not available for the service, the CONTRACTOR may suspend the Individual Services Agreement and notify the district of the need to convene a meeting of the IEP/IFSP team to attempt to resolve the problem. If a pupil's absences exceed more than ten unreimbursed days, the CONTRACTOR may notify the LEA of the intent to terminate the Individual Services Agreement and if it does, at the same time it shall request an IEP/IFSP meeting. Said notice shall be provided pursuant to Section 9 (Notices) of this contract. Upon receipt of this request, the LEA shall convene an IEP/IFSP meeting as soon as possible to determine another appropriate placement option for the student.

SECTION 3: SAFETY

3.1 **SAFE AND APPROPRIATE ENVIRONMENT**

If nonpublic agency services are not provided on a school site, the CONTRACTOR shall be responsible for providing facilities in which it provides the services agreed to in the Individual Services Agreement, unless there is written agreement to the contrary. CONTRACTOR shall comply with applicable law with respect to the structural specifications of the facilities in which it provides services. CONTRACTOR shall comply with all applicable local, county, and/or state ordinances and statutes relating to fire,

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health, sanitation and building safety. If services are provided at a school site, the CONTRACTOR shall participate in the regularly scheduled fire, earthquake, and disaster drills as appropriate.

When the IEP specifies that NPA services are to be provided in the child's home, the parent/guardian or another adult caregiver designated by the parent shall be present in the home while the services are delivered.

SECTION 4: CONFLICT OF INTEREST

All recommendations for service by CONTRACTOR are the decisions of the IEP team.

To the extent required by EC section 56366.3, CONTRACTOR shall not provide special education and related services, administration, or supervision by an individual who is or was an employee of a contracting district, special education local plan area, or county office within the last 365 days, except if the individual was involuntarily terminated or laid off as part of necessary staff reductions from the contracting district, special education local plan area, or county office. This provision does not apply to any person who is able to provide designated instruction and services during the extended school year because he or she is otherwise employed for up to 10 months of the school year by the district, special education local plan area, or county office. For purposes of this section the special education local plan area shall be the special education local plan area of which the LEA is a member and the county office shall refer to the San Diego County Office of Education.

In terms of determining whether an individual who provides special education and related services, administration, or supervision, is or was an employee of a contracting district, special education local plan area, or county office within the last 365 days or whether the individual was involuntarily terminated or laid off as part of necessary staff reductions from the contracting district, special education local plan area, or county office, the information provided to the CONTRACTOR by the individual in his or her application for employment, resume, or other paperwork, shall be conclusive evidence on this issue for purposes of determining compliance (if required) with EC section 56366.3. No payment shall be withheld or reimbursement demanded from CONTRACTOR if the individual failed to disclose on his or her application, resume, or paperwork, submitted to the CONTRACTOR that he or she is or was an employee of a contracting district, special education local plan area, or county office within the last 365 days or misstates the reason for separation. However, if the LEA subsequently provides CONTRACTOR written notice (pursuant to Section 9 of this contract) that an individual who provides special education and related services, administration, or supervision, is or was an employee of a contracting district, special education local plan area, or county office within the last 365 days (and was not involuntarily terminated or laid off as part of necessary staff reductions) the CONTRACTOR shall have five school days from receipt of the written notice to investigate the matter and to determine the accurate facts and whether the individual should be terminated. The CONTRACTOR shall not be subject to any payment withholding or reimbursement demands ("penalties") for the time period prior to receiving the written notice or for the five school days after such written notice is received.

The CONTRACTOR shall be subject to penalties required by EC section 56366.3, commencing the sixth school day after such notice is provided only if both of the following conditions occur: 1) if it is determined that the individual was an employee of a contracting district, special education local plan area, or county office within the last 365 days and was not involuntarily terminated or laid off as part of necessary staff reductions and 2) if the individual was not terminated prior to the sixth school day after receiving written notice from the LEA, special education local plan, or county office, or did not otherwise stop providing special education and related services, administration or supervision on behalf of CONTRACTOR. If the CONTRACTOR is subject to penalties, the time period for which penalties may be assessed, if required by EC section 56366.3, shall not be retroactive but shall only commence on the sixth school day after the CONTRACTOR received written notice from the LEA as specified in this paragraph. The penalty, if imposed, shall only apply to the salary of the person who was previously employed by an LEA within the last 365 days.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

SECTION 5: FINANCIAL

5.1 RATE SCHEDULE FOR CONTRACT YEAR

The CONTRACTOR: _____

The CONTRACTOR NUMBER: _____

Education service(s) offered by the CONTRACTOR, and the charges for such service(s) during the term of this contract, shall be as follows:

<u>RELATED SERVICES</u>	<u>RATE</u>	<u>PERIOD</u>
<u>Intensive Individual Services (340)</u>	_____	_____
<u>Individual and Small Group Instruction (Ages 3-5 only) (350)</u>	_____	_____
<u>Language and Speech (415)</u>	_____	_____
<u>Language and Speech (415) - SLP-A (Credentialed)</u>	_____	_____
<u>Language and Speech (415) – Speech Therapy Assistant</u>	_____	_____
<u>Language and Speech (415) – Bilingual SLP</u>	_____	_____
<u>Language and Speech (415) - Assessment</u>	_____	_____
<u>Adapted Physical Education (425)</u>	_____	_____
<u>Adapted Physical Education Assessment (425)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care LVN (435)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care RN (435)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care CRN (435)</u>	_____	_____
<u>Health and Nursing: Other Services LVN (436)</u>	_____	_____
<u>Health and Nursing: Other Services RN (436)</u>	_____	_____
<u>Health and Nursing: Other Services CRN (436)</u>	_____	_____
<u>Health and Nursing: Other Services Health Aide/CNA (436)</u>	_____	_____
<u>Assistive Technology Services – Credentialed (445)</u>	_____	_____
<u>Assistive Technology Services - Classified (445)</u>	_____	_____
<u>Assistive Technology Services Assessment (445)</u>	_____	_____
<u>Occupational Therapy (450)</u>	_____	_____

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

<u>Occupational Therapy (450) – Certified OT Assistant</u>	_____	_____
<u>Occupational Therapy (460) - Assessment</u>	_____	_____
<u>Physical Therapy (460)</u>	_____	_____
<u>Physical Therapy PT Assistant (460)</u>	_____	_____
<u>Physical Therapy Assessment (460)</u>	_____	_____
<u>Individual Counseling (510)</u>	_____	_____
<u>Counseling and Guidance (515)</u>	_____	_____
<u>Parent Counseling (520)</u>	_____	_____
<u>Social Work Services (525)</u>	_____	_____
<u>Psychological Services (530)</u>	_____	_____
<u>Psychological Services Assessment (530)</u>	_____	_____
<u>Behavior Intervention Services (535)</u>	_____	_____
<u>Behavior Intervention Services (535) - Supervision</u>	_____	_____
<u>Behavior Intervention Services (535) – Other Provider/Beh.Tech</u>	_____	_____
<u>Specialized Services for Low Incidence Disabilities (610)</u>	_____	_____
<u>Specialized Services for Low Incidence Disabilities Assess (610)</u>	_____	_____
<u>Specialized Deaf and Hard of Hearing (710)</u>	_____	_____
<u>Specialized Deaf and Hard of Hearing Assessment (710)</u>	_____	_____
<u>Interpreter Services (715)</u>	_____	_____
<u>Interpreter Services Shift Differential (715)</u>	_____	_____
<u>Audiological Services (720)</u>	_____	_____
<u>Audiological Services Assessment (720)</u>	_____	_____
<u>Specialized Vision Services (725)</u>	_____	_____
<u>Specialized Vision Services Assessment (725)</u>	_____	_____
<u>Orientation and Mobility (730)</u>	_____	_____
<u>Orientation and Mobility Assessment (730)</u>	_____	_____
<u>Braille Transcription (735)</u>	_____	_____

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

<u>Specialized Orthopedic Services (740)</u>	<u></u>	<u></u>
<u>Specialized Orthopedic Services Assessment (740)</u>	<u></u>	<u></u>
<u>Reader Services (745)</u>	<u></u>	<u></u>
<u>Note Taking Services (750)</u>	<u></u>	<u></u>
<u>Transcription Services (755)</u>	<u></u>	<u></u>
<u>Recreation Services, Including Therapeutic (760)</u>	<u></u>	<u></u>
<u>College Awareness Preparation (820)</u>	<u></u>	<u></u>
<u>Vocational Assessment, Counseling/Guidance Assessment (830)</u>	<u></u>	<u></u>
<u>Career Awareness (840)</u>	<u></u>	<u></u>
<u>Work Experience Education (850)</u>	<u></u>	<u></u>
<u>Job Coaching (855)</u>	<u></u>	<u></u>
<u>Mentoring (860)</u>	<u></u>	<u></u>
<u>Agency Linkages (referral and placement) (865)</u>	<u></u>	<u></u>
<u>Travel Training (870)</u>	<u></u>	<u></u>
<u>Other Transition Services (890)</u>	<u></u>	<u></u>
<u>Other (900) Music Therapy</u>	<u></u>	<u></u>
<u>Other (900) Vision Therapy</u>	<u></u>	<u></u>
<u>Transportation – Emergency</u>	<u></u>	<u></u>
<u>Bus Passes</u>	<u></u>	<u></u>
<u>Professional Development</u>	<u></u>	<u></u>

NOTES: _____

*Parent transportation reimbursement rates to be set forth in Individual Services Agreements.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

SECTION 6: APPROVALS

CONTRACTOR

Nonpublic Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

APPROVED AS TO FORM:

SELPA DIRECTOR

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA

Local Educational Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA Board Approval

DATE: _____

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

INTERIM WRITTEN APPROVAL

For Provision of Special Education/Related Services and Payment

Pursuant to Section 1.1 of the Master Contract (Main Document),
the Local Education Agency (LEA) _____
provides to the CONTRACTOR _____
interim written approval for CONTRACTOR to provide the agreed upon Special Education and/or Related Services
identified in the most recent IEP/IFSP of _____,
(Student Name)

at the rates set forth in Schools: Section 4.1 of the Master Contract for the 201____ - 201____ Contract
Year.

Anticipated Student Start Date: _____.

This interim written approval shall be for a maximum period of 90 days, beginning with the anticipated student start date at the nonpublic school or nonpublic agency. If an Individual Services Agreement and/or Master Contract is not completed and executed by the LEA and the CONTRACTOR within this 90 day period, the LEA or CONTRACTOR may request an IEP meeting to be held as soon as possible to discuss a change in placement for the pupil. The LEA shall continue to reimburse the CONTRACTOR as set forth in the interim written approval, or as otherwise agreed by the parties in writing, pending any change in placement or subsequent execution of an Individual Services Agreement.

This interim written approval does not require the CONTRACTOR to provide services for 90 days, or for any maximum period of time. The parties have already agreed, or may agree, to hold an IEP meeting within 30 days of the student's first day of attendance.

Agreed to by the District Representative of the Special Education Unit of the LEA:

Signature

Date

Name/Title

Agreed to by the CONTRACTOR:

Signature

Date

Name/Title

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

INDIVIDUAL SERVICES AGREEMENT FOR NONPUBLIC AGENCY SERVICES
(Education Code Sections 56365 et seq.)

This agreement is effective on _____ or the date student begins attending a nonpublic school or receiving services from a nonpublic agency, if after the date identified, and terminates at 5:00 P.M. on June 30, 201_____, unless sooner terminated as provided in the Master Contract and by applicable law.

Local Education Agency _____ Nonpublic Agency _____

LEA Case Manager: Name _____ Phone Number _____

Pupil Name _____ Sex: ☐ M ☐ F Grade: _____
(Last) (First) (M.I.)

Address _____ City _____ State/Zip _____

DOB _____ Residential Setting: ☐ Home ☐ Foster ☐ LCI # _____ ☐ OTHER _____

Parent/Guardian _____ Phone () _____ (Residence) (Business)
Address _____ City _____ State/Zip _____
(If different from student)

AGREEMENT TERMS:

A. DESIGNATED INSTRUCTION AND SERVICES / RELATED SERVICES:

SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPA	OTHER Specify				
Intensive Individual Services (340)							
Individual and Small Group Instruction (Ages 3-5 only) (350)							
Language and Speech (415)							
Language and Speech – SLP-A (Credentialed) (415)							
Language and Speech – Speech Therapy Assistant (415)							
Language and Speech – Bilingual SLP (415)							
Language and Speech – Assessment (415)							
Adapted Physical Ed. (425)							
Adapted Physical Ed. - Assessment (425)							
Health and Nursing: Specialized Physical Health Care - LVN (435)							
Health and Nursing: Specialized Physical Health Care - RN (435)							
Health and Nursing: Specialized Physical Health Care - CRN (435)							
Health and Nursing Services: Other - LVN (436)							

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPA	OTHER Specify				
Health and Nursing Services: Other - RN (436)							
Health and Nursing Services: Other - CRN (436)							
Health and Nursing Services: Other - Health Aide/CNA (436)							
Assistive Technology Services - Credentialed (445)							
Assistive Technology Services – Classified (445)							
Assistive Technology Services - Assessment (445)							
Occupational Therapy (450)							
Occupational Therapy – Certified OT Assistant (450)							
Occupational Therapy – Assessment (450)							
Physical Therapy (460)							
Physical Therapy - PT Assistant (460)							
Physical Therapy - PT Assessment (460)							
Individual Counseling (510)							
Counseling and Guidance (515)							
Parent Counseling (520)							
Social Work Services (525)							
Psychological Services (530)							
Behavior Intervention Services (535)							
Behavior Intervention Services - Supervision (535)							
Behavior Intervention Services – Other Provider (535)							
Specialized Services for Low Incidence Disabilities (610)							
Specialized Services for Low Incidence Disabilities – Assessment (610)							
Specialized Deaf and Hard of Hearing Services (710)							
Specialized Deaf and Hard of Hearing Services – Assessment (710)							

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPA	OTHER Specify				
Interpreter Services (715)							
Interpreter Services – Shift Differential (715)							
Audiological Services (720)							
Audiological Services Assessment (720)							
Specialized Vision Services (725)							
Specialized Vision Services Assessment (725)							
Orientation and Mobility (730)							
Orientation and Mobility Assessment (730)							
Braille Transcription (735)							
Specialized Orthopedic Service (740)							
Specialized Orthopedic Service Assessment (740)							
Reader Services (745)							
Note Taking Services (750)							
Transcription Services (755)							
Recreation Services, Including Therapeutic (760)							
College Awareness Preparation (820)							
Vocational Assessment, Counseling, Guidance and Career Assessment (830)							
Career Awareness (840)							
Work Experience Education (850)							
Job Coaching (855)							
Mentoring (860)							
Agency Linkages (referral and placement) (865)							

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPA	OTHER Specify				
Travel Training (870)							
Other Transition Services (890)							
Other (900) Music Therapy							
Other (900) Vision Therapy							
Transportation-Emergency							
Bus Passes							
Professional Development							

ESTIMATED MAXIMUM RELATED SERVICES COST (A)\$ _____

1. Other Provisions/Attachments:

MASTER CONTRACT APPROVED BY THE GOVERNING BOARD ON _____

INDIVIDUAL SERVICES AGREEMENT APPROVED BY CASE MANAGER:

 (Signature)

 (Date)

The parties hereto have executed this Individual Services Agreement by and through their duly authorized agents or representatives as set forth below.

-CONTRACTOR-

-DISTRICT-

 (Name of Nonpublic Agency)

 (Name of School District)

 (Signature)

(Date)

 (Signature)

(Date)

 (Name and Title)

 (Name of Superintendent or Authorized Designee)



June 26, 2017

Board Item - G.-2.

Issue:

Excursions and field trips.

Superintendent's Recommendation:

Report on excursions and field trips.

Analysis:

In accordance with Board Policy 6153, school-sponsored trips are designed to promote and enhance classroom learning experiences. Such trips shall encourage new interests among students; make them more aware of community resources; and help them relate their school experiences to the outside world. The following excursions and field trips were approved by the superintendent and/or his designee. All excursions and field trips are on file in the office of leadership development and systems innovation.

For questions regarding this board Item, please contact Dr. Dianna Carberry at (619) 585-4490 or dianna.carberry@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
📎 Excursions and Field Trips	Backup Material

<u>SITE</u>	<u>APPROVAL</u>	<u>TRAVEL DATE</u>	<u>EVENT/ DESTINATION</u>	<u>FISCAL IMPACT/ EXPENDITURE</u>	<u>PARTIC. COST</u>	<u># OF PARTIC.</u>	<u># OF CHAPERONES</u>
BVH	Del Rosario/Carberry	08/02/17 - 08/08/17	Bonita Vista High School students to Santa Clara, CA. Students will participate in a Debate Tournament at Santa Clara University.	Donations	\$345.00	30	5
BVH/ CVH	Del Rosario/Peralta/ Alvarez/Carberry	09/09/17 - 09/23/17	Bonita Vista and Chula Vista High Schools' students to Nantes and Paris, France. Students will participate in the annual cultural exchange trip with sister school in Nantes, France.	Fundraising	\$1,900.00	BVH:15/ CVH:3	3
ELH	Espinoza/Carberry	08/01/17 - 08/05/17	Eastlake High School students to Tokyo, Japan. Students will attend a Global Awards Ceremony.	Sponsored by Panasonic	\$0.00	2	1
ELH	Espinoza/Carberry	08/28/17 - 09/03/17	Eastlake High School students to Orlando, Florida. Students will participate in a volleyball tournament.	Fundraising	\$1,776.00	14	4
HTH/ SUH	Gray/Gavin/Alvarez/ Carberry	09/18/17 - 09/28/17	Hilltop High and Sweetwater High Schools' students to Tokyo, Japan. Students will participate in a cultural exchange trip.	ASB Account/Donations/ Fundraising	\$2,950.00	HTH:10/ SUH:8	2



June 26, 2017

Board Item - G.-3.

Issue:

Contracts with certified nonpublic, nonsectarian schools and agency services.

Superintendent's Recommendation:

Approve contracts with certified nonpublic, nonsectarian schools and agency services for students with disabilities who require them according to their Individualized Education Programs (IEPs) for the 2017-2018 school year.

Analysis:

Federal Individuals with Disabilities Education Act (IDEA) law mandates the Local Educational Agencies provide the appropriate level of educational services to students with disabilities. Under the provisions of California Education Code Section 56000, the district is required to provide special education or related services to individuals with exceptional needs and to contract for such services with private nonsectarian schools and agencies as appropriate.

Contracts for the following certified nonpublic, nonsectarian schools and agency services are as indicated: ABA Behavior Therapies and Testing, Autism Experts Empowering Families and Children Together (AEFCT), Advanced Neurobehavioral Health, American Center For Learning, Aseltine School, Autism Comprehensive Educational Services (ACES), Autism Spectrum Consultants, Balboa City School, Banyan Tree Foundations Academy, Brain Learning Psychological Corporation, Center for Autism and Related Disorders (CARD), Children's Hospital and Health Center, Children's Occupational Therapy Services, Coast Music Therapy, Community Transition Academy, Crimson Center For Speech, Dependable Nursing, Dyslexia Training Institute, EBS Health Care Services, Easter Seals National City, Encinitas Learning Center, Excelsior Academy, Expressive Solutions, Family Guidance & Therapy Center, Fred Finch Youth Center, SDCOE-Friendship School, Heritage School, Include Autism, Innovative Therapy 4 Kids, The Institute for Effective Education - Children's Workshop; Cook Education Center; Urban Skills Center; Aim High (at Mt. Helix Academy), Dr. Donald Janiuk, O.D., Junior Blind Foundation, Kara Dodds & Associates Pediatric Therapy Center, K.I.D.S. Therapy Associates, MacDougal-Morris Group, LLC (DBA: Pioneer Day School, Pioneer Learning Center, and Community School of San Diego High School), Moyers Center for Learning, New

Alternatives, Inc., New Bridge School, New Haven, Nurse Finders, Pack and Baines Vision Care, Professional Tutors Of America, Provo Canyon School, PT in Motion, San Diego Center for Children, San Diego Center for Vision Care, Schloyer Audiology, Sound Therapies, Specialized Therapy Services, Stein Education Center (Vista Hill Organization), Specialized Education of California Services, Inc. (DBA: Sierra Academy and Springall Academy), Speech Tree Therapy Center, Southern California Collaborative Therapy, The Autism Group (TAG), TheraStaff, Therapists Unlimited, Training, Education, Research and Innovation (TERI, Inc.), Verbal Behavior Associates, Vista Hill Foundation, The Winston School, and West Shield Adolescent Services.

Based on individual student needs, additional non-public schools or agencies may be brought forward to the board during the course of the school year for approval.

For questions regarding this board item, please contact Ana Maria Alvarez at (619) 691-5546 or ana.alvarez@sweetwaterschools.org.

Fiscal Impact:

Expenditure of \$4,100,000, to be paid from the special services budget, Resource Code: 6500.

ATTACHMENTS:

Description	Type
❏ SDC NON PUBLIC MASTER CONTRACT	Backup Material
❏ NON PUBLIC MC APPENDIX A:SCHOOLS	Backup Material
❏ NON PUBLIC MC APPENDIX B:AGENCIES	Backup Material

LEA: _____ Nonpublic: _____

2017-2018 San Diego County Nonpublic Master Contract

Directions:

- Main document **must** be completed for every Nonpublic School/Agency or Room & Board Contract.
- Complete and attach Appendices A: School, B: Agency, C: Room & Board as appropriate.



San Diego County Office of Education
Student Services and Programs Division
Special Education Department

San Diego County Nonpublic Master Contract
Main Document

2017-2018

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MAIN DOCUMENT

APPENDIX A: SCHOOLS

APPENDIX B: AGENCIES

APPENDIX C: ROOM AND BOARD

Directions:

- *Main document **must** be completed for every Nonpublic School/Agency or Room & Board Contract*
- *Complete and attach Appendices A: School, B: Agency, C: Room & Board as appropriate.*

LEA: _____ Nonpublic: _____

2017-2018
Nonpublic
Master Contract

Main Document



San Diego County Office of Education
Student Services and Programs Division
Special Education Department

**San Diego County Nonpublic Master Contract
Main Document**

2017-2018

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San Diego County Nonpublic Master Contract
Main Document

2017-2018

NONPUBLIC
MASTER CONTRACT

CONTRACT YEAR _____

This Master Contract is made and entered into

this _____ day of _____, 20____ between the

_____, County of San Diego,
(Local Education Agency)

hereinafter sometimes referred to as the "LEA," and

(Nonpublic,)

hereinafter referred to as "CONTRACTOR."

San Diego County Nonpublic Master Contract Main Document

2017-2018

SECTION 1: AUTHORIZATION FOR MASTER CONTRACT AND GENERAL PROVISIONS

1.1 MASTER CONTRACT

For the purpose of providing special education and related services to individuals with exceptional needs under the authorization of Education Code sections 56157, 56361, and 56365-56366.5 the Master Contract consists of (the Main Document and Master Contract Appendices A (Schools), B (Agencies), C (Room & Board)). The general term "Master Contract" refers to the Master Contract /Main Document/ and Master Contract /Appendices A (Schools), B (Agencies), and C (Room and Board) given to the CONTRACTOR by a representative of the LEA's Special Education Unit on terms acceptable to the LEA and CONTRACTOR.¹ It is also understood that this contract does not commit the CONTRACTOR to provide special education and related services to any individual unless and until an Individual Services Agreement is executed between the LEA and the CONTRACTOR on behalf of such individual or interim written approval is given to the CONTRACTOR by an authorized representative of the LEA's Special Education Unit. This interim written approval shall be for a maximum period of 90 days, beginning with the anticipated student start date, during which time the contract and/or Individual Services Agreement shall be completed and executed by the LEA and CONTRACTOR. If an Individual Services Agreement is not completed and executed by the LEA and the CONTRACTOR within this ninety-day period, the LEA or CONTRACTOR may request an IEP meeting to be held as soon as possible to discuss a change in placement for the pupil. The LEA shall continue to reimburse the CONTRACTOR as set forth in the interim written approval, or as otherwise agreed by the parties in writing, pending any change in placement or subsequent execution of an Individual Services Agreement.

1.2 SUPERSEDES PRIOR CONTRACTS

This Master Contract includes the Main Document, Appendix A (Schools), Appendix B (Agencies), Appendix C (Room and Board), to the extent that they are applicable, and each ISA, all of which are incorporated herein by this reference and any exhibits or attachments hereto constitute the entire agreement between the parties to this contract and supersedes any prior contract, understanding, or agreement with respect to the terms set forth in this contract.

1.3 MODIFICATIONS AND AMENDMENTS

The LEA and CONTRACTOR agree that any amendments to the contract must be in writing and approved by the LEA's Governing Board and the Board of Directors/Trustees or authorized representative of CONTRACTOR. Prior to executing a written amendment to the contract, the LEA shall obtain approval from the San Diego County SELPA Directors and the County Director of Special Education. In implementing this Master Contract, any specific terms related to an individual pupil shall be reflected in the Individual Services Agreement.

1.4 INDIVIDUAL SERVICES AGREEMENT

The LEA and CONTRACTOR shall enter into an Individual Services Agreement for each pupil who is to receive special education and/or related services provided by the CONTRACTOR. The LEA is responsible for completing each pupil's Individual Services Agreement, which shall identify the provider of each service required by the pupil's Individualized Education Program (IEP) or Individualized Family Service Plan (IFSP) (CCR 3062(e)). Individual Services Agreements shall only be issued for those pupils enrolled with the approval of the LEA. Changes in any LEA pupil's educational program, including instruction, services, or instructional setting provided under this contract, may only be made on the basis of revisions to the pupil's IEP or IFSP. At any time during the term of this contract, the parent, the CONTRACTOR or LEA may request a review of the pupil's IEP/IFSP, subject to all procedural safeguards required by law, including notice given to and participation by the CONTRACTOR in the IEP Team meeting. In the event that the CONTRACTOR recommends that the pupil requires either a lesser or more restrictive placement than the CONTRACTOR can provide, the CONTRACTOR will notify the LEA immediately. The LEA shall expedite the review and/or the resulting change in placement, and shall modify the Individual Services Agreement as appropriate if there is a change in the instructional and/or other services provided.

¹ Please see Appendix B for Agencies for exceptions to NPA Hired as Full Time Equivalent.

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1.5 NONPUBLIC CERTIFICATION OR WAIVER

A current copy of the CONTRACTOR'S California Department of Education Nonpublic Certification or waiver of such certification issued by CDE pursuant to EC 56366.2 is attached hereto. This Master Contract shall be null and void if such certification is expired, revoked, rescinded, or otherwise nullified during the effective period of this contract.

1.6 TERM OF MASTER CONTRACT

Neither the CONTRACTOR nor the LEA is required to renew this contract in subsequent contract years. In the event that a pupil is enrolled with the CONTRACTOR during the term of this contract and said pupil continues to receive special education and/or related services by the CONTRACTOR as approved by the LEA in accordance with the pupil's IEP/IFSP and either (a) a new contract has not been fully executed or (b) the CONTRACTOR or the LEA chooses not to renew this contract, the terms of this contract and associated Individual Service Agreements shall apply to any and all special education and/or related services provided by CONTRACTOR and payment for those services by the LEA.

Upon agreement of both parties to this Master Contract, its provisions shall be retroactive to the beginning of this contract year (July 1st), to cover services provided by the CONTRACTOR to LEA students, unless otherwise mutually agreed upon by both parties.

The term of this Master Contract shall be from _____, 20 _____ to _____, 20 _____.

Any subsequent Master Contract is to be renegotiated prior to June 30 of each year.

This Master Contract has no force or effect until approved or ratified by the LEA's Governing Board.

1.7 COMPLIANCE WITH APPLICABLE FEDERAL AND STATE LAWS

During the term of this contract, the CONTRACTOR and LEA shall comply with all applicable federal and state laws and regulations relating to the required special education and designated instruction and services and facilities for individuals with exceptional needs, including those not expressly documented in this Master Contract.

a. Nondiscrimination

The CONTRACTOR and the LEA shall not discriminate on the basis of race, religion, sex, national origin, age, sexual orientation disability or any other classification protected by federal or state laws in employment or operation of its programs.

b. Sexual Harassment Policy

The CONTRACTOR shall have a written policy on sexual harassment in accordance with state and federal regulations and guidelines.

c. Corporal Punishment Prohibitions

(l) No public education agency, or nonpublic school or agency serving individuals pursuant to Education Code Section 56365 et seq., may authorize, order, consent to, or pay for any of the following interventions, or any other interventions similar to or like the following:

- (1) Any intervention that is designed to, or likely to, cause physical pain;
- (2) Releasing noxious, toxic or otherwise unpleasant sprays, mists, or substances in proximity to the individual's face;
- (3) Any intervention which denies adequate sleep, food, water, shelter, bedding, physical comfort, or access to bathroom facilities;
- (4) Any intervention which is designed to subject, used to subject, or likely to subject the individual to verbal abuse, ridicule or humiliation, or which can be expected to cause excessive emotional trauma;
- (5) Restrictive interventions which employ a device or material or objects that simultaneously immobilize all four extremities, including the procedure known as prone containment, except that prone containment or similar techniques may be used by

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trained personnel as a limited emergency intervention pursuant to subsection (i) of Ed Code Section 56521.2 (a) (5)
(6) Locked seclusion, except pursuant to subsection (i)(4)(A) of Ed Code Section 56521.2 (a) (6)
(7) Any intervention that precludes adequate supervision of the individual; and
(8) Any intervention which deprives the individual of one or more of his or her senses.

d. Student Discipline

Contractor shall maintain and abide by a written policy for student discipline that is consistent with state and federal law and regulations, such that students who exhibit serious behavioral challenges receive timely and appropriate assessments and positive supports and interventions in accordance with the federal Individuals with Disabilities Education Act and its implementing regulations.

When a CONTRACTOR seeks to remove a student from his/her current educational placement for disciplinary reasons, CONTRACTOR shall immediately submit a written discipline report to the LEA and a manifestation IEP team meeting shall be scheduled by the LEA. Written discipline reports shall include, but not be limited to: the student's name; the time, date, and description of the misconduct; the disciplinary action taken by CONTRACTOR; and the rationale for such disciplinary action. A copy of the student's behavioral plan, if any, shall be submitted with the written discipline report. CONTRACTOR and LEA agree to participate in a manifestation determination at an IEP meeting no later than the tenth (10th) day of suspension.

e. Behavioral Emergency Reports (Ed. 56521.1(a))

(1) Anytime an emergency intervention is used pursuant to Ed Code Section 56521.1(a) subsection (i), CONTRACTOR must notify LEA and IEP team immediately and document emergency intervention in a "Behavioral Emergency Report" as defined by 56521.1(e).

(2) Whenever a "Behavioral Emergency Report" is written regarding an individual who does not have a behavioral intervention plan, the designated responsible administrator shall, within two days, schedule an IEP team meeting to review the emergency report, to determine the necessity for a functional behavioral assessment, and to determine the necessity for an interim behavioral intervention plan.

(3) Anytime a "Behavioral Emergency Report" is written regarding an individual who has a behavioral intervention plan, any incident involving a previously unseen serious behavior problem or where a previously designed intervention is not effective should be referred to the IEP team to review and determine if the incident constitutes a need to modify the plan.

(4) "Behavioral Emergency Report" data shall be collected by CONTRACTOR and be submitted to LEA.

(5) A summary of Behavioral Emergency Reports shall be submitted at least monthly to the LEA and the Director of the Special Education Local Plan Area of which the LEA is a member.

1.8 DEFINITIONS

"DAYS": For the purpose of the contract, "days" refers to calendar days unless otherwise specified.

"PARENT": For the purpose of the contract, a parent (34CFR 300.3Da) is the natural parent, adoptive parent, or legal guardian or any other adult granted educational decision-making rights by the natural or adoptive parent or a court of competent jurisdiction. A trained, certified surrogate parent, identified by the LEA, may act on behalf of the pupil if no parent, guardian or person acting as a parent can be located. The LEA shall be responsible for providing a translator for the parent if needed.

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SECTION 2: ADMINISTRATION OF CONTRACT

2.1 NOTICES

Notices provided for by this contract shall be in writing, be delivered to the individual identified below in this section, and shall be delivered by certified, registered, or return receipt requested mail, postage prepaid, or by facsimile transmission, unless a specific section of this contract requires or allows notice or contact to be made in a different manner or to a different individual. The effective date of an invoice shall be the date of its receipt by the LEA. The effective date of all other notices shall be the date of the postmark or of the facsimile transmittal date identified in the document. In the event there is a change in the individual to be notified, the CONTRACTOR or the LEA shall provide written notice of the change and, after such notice is provided, all future notices shall be addressed to that individual. Notice may be provided under this section pursuant to regular United States mail if the LEA and CONTRACTOR agree in writing to notice by regular United States mail. If the LEA or CONTRACTOR does not identify an individual to be notified in this section, the person to be notified under this section shall be the LEA or CONTRACTOR representative that executes this contract.

Notices mailed to the LEA shall
be addressed to:

Name/Title

Local Education Agency

Address

City State Zip

()

Phone

()

Facsimile

Email Address

Notices to the CONTRACTOR shall
be addressed to:

Name/Title

Nonpublic School

Address

City State Zip

()

Phone

()

Facsimile

Email Address

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2.2 INDEPENDENT CONTRACTOR STATUS

This contract is by and between two independent contractors and is not intended to and shall not be construed to create the relationship of agent, servant, employee, partnership, joint venture or association.

2.3 SUBCONTRACT AND ASSIGNMENT

The CONTRACTOR shall not enter into an initial subcontract with any noncertified Nonpublic Agency (NPA) or provider, for any of the instructional or related services contemplated under this contract without first obtaining written approval by a representative of the San Diego County Office of Education (i.e. County Director of Special Education or a SELPA Director). Such approval shall not be unreasonably withheld. The LEA and CONTRACTOR shall maintain a copy of the written approval.

2.4 INDEMNIFICATION

The CONTRACTOR hereby indemnifies, defends, and holds harmless the LEA, its Board, officers, employees, agents, independent contractors, consultants and other representatives from and against any and all liabilities, claims, demands, costs, losses, damages, or expenses, including reasonable attorneys' fees and costs, and including but not limited to consequential damages, loss of use, extra expense, cost of temporary classrooms, that arise out of or result from, in whole or in part, the negligent, wrongful or willful acts or omissions of the CONTRACTOR, its employees, agents, subcontractors, independent contractors, consultants, or other representatives.

The LEA hereby indemnifies, defends, and holds harmless the CONTRACTOR, its Board, officers, employees, agents, independent contractors, consultants and other representatives from and against any and all liabilities, claims, demands, costs, losses, damages, or expenses, including reasonable attorneys' fees and costs, and including but not limited to consequential damages, loss of use, extra expense, cost of temporary classrooms, that arise out of or result from, in whole or in part, the negligent, wrongful or willful acts or omissions of the LEA, its employees, agents, subcontractors, independent contractors, consultants, or other representatives.

The CONTRACTOR shall have no obligation to indemnify, defend, or hold harmless the LEA, its Board, officers, employees, agents, independent contractors, consultants, and other representatives for the LEA's sole negligence or willful misconduct; and the LEA shall have no obligation to indemnify, defend, or hold harmless the CONTRACTOR, its Board, officers, employees, agents, independent contractors, consultants and other representatives for the CONTRACTOR'S sole negligence or willful misconduct. This indemnity shall survive the termination of the Contract or final payment hereunder, and is in addition to any other rights or remedies that the CONTRACTOR or LEA may have under the law or this contract.

2.5 INSURANCE

During the entire term of this contract and any extension or modification thereof, the CONTRACTOR shall keep in effect a policy or policies of general liability insurance, including contractual liability coverage, professional liability, and auto liability coverage of owned and non-owned vehicles used by CONTRACTOR in relation to the performance of service(s) under this Master Contract, with minimum limits of one million dollars (\$1,000,000) per occurrence, and three million dollars (\$3,000,000) in aggregate. Such insurance shall name LEA as an additional insured, and an endorsement evidencing such coverage shall be provided within 90 days, only as to matters arising out of this Master Contract for which CONTRACTOR has an obligation to indemnify the LEA, under the Indemnification clause, Section 2.6, of this Master Contract.

Not later than the effective date of this contract, the CONTRACTOR shall provide the LEA with satisfactory evidence of insurance. The insurance maintained by CONTRACTOR shall include a provision for the insurance provider to send written notice of cancellation or modification to the CONTRACTOR at least 30 calendar days before cancellation or adverse material change, or 10 days for nonpayment of premium. Such CONTRACTOR'S insurance may contain the same notice requirement for the LEA. If the insurance provider is only required to send such notice to the CONTRACTOR (but not the LEA) CONTRACTOR shall provide the LEA written notice of cancellation or adverse material modification within one business day after receiving such notice from the insurer. Such notice shall be provided pursuant to Section 2.3 (Notices) of this contract. The CONTRACTOR shall at its own cost and expense procure and maintain insurance under the applicable state's Workers' Compensation laws. Failure to maintain the above mentioned insurance coverage shall be cause for termination of this contract.

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LEA warrants that it is self-insured in compliance with the laws of the State of California, that the self insurance covers persons acting on its behalf or under its control, that its self insurance covers LEA's indemnification obligations to CONTRACTOR under this contract, and that LEA agrees to provide coverage to CONTRACTOR pursuant to this self insurance in the event the indemnification obligations of Section 2.6 of this contract are triggered. The LEA further warrants that it shall notify the CONTRACTOR pursuant to Section 2.3 (Notices) of this contract, of any material insurance coverage changes at least thirty days prior to the change.

CONTRACTOR agrees that any subcontractor with which it contracts to provide services pursuant to any Individual Services Agreement, shall submit written proof of insurance in a minimum amount of \$1,000,000 per occurrence, including general, liability, auto liability (if applicable), and professional liability (if applicable). Such insurance shall be maintained by any subcontractor for the scope of duties performed and duration of time it provides services to LEA pupils. Proof of insurance shall be provided to the LEA prior to the beginning of transportation services by a subcontractor, and upon renewal of coverage thereafter. Transportation subcontractors shall submit copies of insurance policies upon request of the LEA; otherwise, certificates of insurance may be acceptable proof, provided that the information thereon is adequate and verifiable. Subcontractors shall be required to provide to the CONTRACTOR written notice of cancellation of insurance or adverse material change in such insurance at least 30 days prior to cancellation or adverse material change or within one business day after receiving such notice, whichever is earlier.

2.6 TRANSPORTATION

Transportation costs are the responsibility of the LEA unless otherwise agreed to in writing. The CONTRACTOR shall provide each pupil whom the CONTRACTOR transports with adequate supervision during transports and with instruction in school bus emergency procedures and passenger safety, as appropriate to the pupil's needs. The CONTRACTOR shall have in place a transportation safety plan containing procedures for school personnel to follow to ensure the safe transport of pupils.

In the event the CONTRACTOR transports students due to health, behavior, or other emergencies, or as otherwise agreed to between the CONTRACTOR and the LEA, the LEA shall reimburse CONTRACTOR at the rate specified in this Master Contract (Rate Schedule - Schools: Section 4.1, Agencies: Section 5.1).

2.7 WAIVERS

The LEA and/or CONTRACTOR may independently or jointly submit waivers of applicable state laws and regulations.

2.8 SUCCESSORS IN INTEREST

This contract binds the CONTRACTOR's successors and assignees. CONTRACTOR shall not assign this Master Contract without the written consent of LEA, and any attempt by Contractor to effect such an assignment without the written consent of LEA shall make this Master Contract terminable at the option of the LEA.

2.9 SEVERABILITY

If any provision or portion of a provision of this contract is held in whole or in part to be unenforceable for any reason, the remainder of the provision and of the entire contract shall be severable and shall remain in effect.

2.10 CONFLICTS OF INTEREST

a. The CONTRACTOR agrees to furnish to the LEA a copy of its current bylaws and a current list of its Governing Board of Directors (or Trustees), if it is incorporated. LEA has the right to request a current list of the Board of Directors or Trustees at any time during the term of the Master Contract.

b. CONTRACTOR and members of its Board of Directors (or Trustees) shall disclose any relationship with LEA that constitutes or may constitute a conflict of interest including, but not limited to, employment with LEA, provisions of private party assessments and/or reports, and attendance at the IEP team meetings and/or due process proceedings.

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c. Anytime the CONTRACTOR is contracted to conduct a formal Independent Educational Evaluation (IEE), and the IEP team determines that services are necessary as a result of that IEE the LEA shall be obligated to select a service provider who is not the CONTRACTOR. Unless, a service provider who is not the CONTRACTOR is unavailable or unable to provide that service.

2.11 INABILITY TO MEET CONTRACT REQUIREMENTS

The CONTRACTOR shall notify the LEA in writing when the CONTRACTOR is unable to meet the requirements of this contract. The LEA shall notify CONTRACTOR in writing when the LEA is unable to meet the requirements of this contract.

2.12 DISPUTE RESOLUTION

Disagreements concerning the meaning, requirements or performance of this contract shall first be brought to the attention of the other party in writing, pursuant to the notice provisions (Section 2.3) of this contract, in an attempt to resolve the dispute at the lowest level. Any remaining disputes or disagreements may be resolved either 1) as voluntarily agreed to by the parties, 2) by equitable remedies, or 3) by other legal means.

2.13 DUE PROCESS AND COMPLAINT PROCEDURES

CONTRACTOR and LEA shall comply with all applicable federal and state laws and regulations related to Due Process and the rights of students and parents.

CONTRACTOR agrees to maintain policies and procedures as follows: (1) Uniform Complaint Procedures pursuant to Title 5 of the California Code of Regulations section 4600 *et seq.*; (2) Nondiscrimination policy pursuant to Title 5 of the California Code of Regulations section 4960 (a); (3) Sexual Harassment Policy, California Education Code 231.5 (a) (b) (c); (4) Title IX Student Grievance Procedure, Title IX 106.8 (a) (d) and 106.9 (a); and (5) Notice of Privacy Practices in compliance with Health Insurance Portability and Accountability Act (HIPAA).

2.14 VENUE AND GOVERNING LAW

This contract, and conditions of this contract, shall be governed by the laws of the State of California with venue in San Diego County, California.

2.15 RIGHT TO REPORT MASTER CONTRACT VIOLATIONS

The CONTRACTOR acknowledges and understands that the LEA may report to the CDE any violations of the provisions of this contract; and that may result in the suspension of the CDE nonpublic school certification pursuant to California EC section 56366.4(a).

2.16 TERMINATION OF MASTER CONTRACT AND/OR INDIVIDUAL SERVICES AGREEMENT

a. Master Contract

Either the LEA or the CONTRACTOR may terminate this Master Contract for cause as set forth in EC section 56366(a)(4), with twenty (20) days written notice pursuant to Section 2.3 of this contract, or immediately if the CONTRACTOR and LEA mutually agree that there are significant health or safety concerns. Cause shall include but not be limited to non maintenance of current nonpublic school certification, failure of either the LEA or the CONTRACTOR to maintain the standards required under the Master Contract and/or Individual Services Agreement, or material breach of the contract by CONTRACTOR or LEA. To terminate the contract either party shall give a minimum of 20 days written notice pursuant to the provisions of Section 2.3 (Notices) of this contract. Upon termination, the LEA shall pay within 45 days, without duplication, for all services performed and expenses incurred to date of termination according to the provisions set forth in Schools Document Section 4.1, Agencies Document Section 5.1 (Rate Schedule) and Main Document Section 4.1 (Billing and Payment) of this contract. CONTRACTOR shall provide to the LEA the IEP/IFSP and all related documents in its possession or under its control pertaining to its services,

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for all pupils of the LEA who were receiving services from the CONTRACTOR in accordance with applicable state and federal laws regarding student records.

b. Individual Services Agreement

The Individual Services Agreement may be terminated or suspended by the LEA or the CONTRACTOR for cause, as set forth in EC section 56366(a)(4), with twenty (20) days written notice pursuant to Section 2.3 (Notices) of this contract, or immediately if the CONTRACTOR and the LEA mutually agree that there are significant health or safety concerns.

Individual Services Agreements are null and void upon termination of the Master Contract.

The LEA shall not terminate Individual Services Agreements because of the availability of a public class initiated during the course of the contract unless the parent agrees to the transfer of a pupil to a public school program, which agreement must only be given in a duly called and held IEP/IFSP meeting at which the CONTRACTOR is present.

2.17 INDIVIDUALIZED EDUCATION PROGRAM (IEP) / INDIVIDUALIZED FAMILY SERVICE PLAN (IFSP)

When a pupil is accepted for enrollment in a nonpublic school, the CONTRACTOR shall provide the pupil a program of educational instruction and services within the nonpublic school, which is consistent with his or her IEP/IFSP as specified in each pupil's Individual Services Agreement.

The CONTRACTOR shall implement those responsibilities delegated to CONTRACTOR in the plan for transition services (per EC section 56445 and EC section 56462) as stated by the IEP/IFSP.

The CONTRACTOR shall provide an appropriate adult to pupil ratio for pupils with exceptional needs between three and five years of age, in accordance with EC 56441.5.

The LEA shall invite the CONTRACTOR and the CONTRACTOR shall participate in all IEP/IFSP meetings, including those related to placement and those called by the parent in accordance with EC section 56343.5, so long as the pupil is to be served by the CONTRACTOR pursuant to an Individual Services Agreement. The child's present teacher shall participate in the IEP meeting in accordance with EC 56341(b)(3). Every effort shall be made to schedule the meeting at a time and place that is mutually convenient to parents, CONTRACTOR's staff, and LEA's staff.

The local educational agency shall oversee and evaluate the pupil's placement in the NPS through the IEP process. The IEP team shall evaluate whether the pupil is making appropriate educational progress through a review of the student's progress toward IEP goals and, as appropriate, a review of the pupil's scores on state assessments. If the NPS staff or LEA will be making recommendation(s) for significant changes to the student's program, placement or services, the LEA Case Manager and representative of the NPS shall discuss the recommendation(s) prior to the IEP meeting. The IEP team will consider whether or not the needs of the pupil continue to be best met at the nonpublic school, whether changes to the pupil's IEP are necessary, and whether the pupil may be transitioned to a public school setting (EC 56366(a)(2)(B), EC 56343(d), EC 56043(h)). Partial day attendance at the NPS may be appropriate to support transition to a public school program.

2.18 FREE APPROPRIATE PUBLIC EDUCATION

No charge of any kind to parents shall be made by the CONTRACTOR for educational activities and related services specified on the pupil's IEP/IFSP, including screening or interviews which occur prior to or as a condition of a pupil's enrollment under the terms of the contract, except as specified in writing in a due process procedure that is signed by all relevant parties and attached to the relevant pupil's Individual Services Agreement, or for voluntary extracurricular activities conducted subsequent to written notification to parents as to the cost and the voluntary and extracurricular nature of the activity. Unless the activity (for example, field trips) takes place during a school vacation or holiday, pupils not participating in such activities shall continue to receive special education and/or related services as set forth in their IEP/IFSPs.

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2.19 TRANSITION TO A LRE

CONTRACTOR & LEA shall support Least Restrictive Environment options, including dual enrollment, if appropriate, for students enrolled in NPS to have access to the general curriculum and to be education with nondisabled peers to the maximum extent appropriate.

CONTRACTOR & LEA shall address LRE placement options for students enrolled in NPS at all IEP team meetings, including whether the students may be transitioned to a public school setting.

When an IEP team has determined that a student should be transitioned into the public school setting, CONTRACTOR shall assist the LEA in implementing the IEP team's recommendations activities to support the transition.

2.20 PUPIL PROGRESS

The CONTRACTOR shall have written procedures in place for measuring progress utilizing on-going data collection in the goal areas identified on the IEP/IFSP.

The CONTRACTOR shall provide to parents and the LEA case manager written pupil progress reports on the goals in the IEP/IFSP, no less than quarterly. The CONTRACTOR shall submit an updated report if there is no current progress report when pupils are scheduled for a review by the IEP/IFSP team or when a pupil's enrollment is terminated.

The CONTRACTOR shall allow periodic review of each pupil's instructional program by the LEA. Representatives of the LEA shall have reasonable access to observe each pupil at work, observe the instructional setting, meet with the CONTRACTOR and review each pupil's progress, including the behavioral intervention plan, if any. LEA representatives making site visits shall initially report to the CONTRACTOR's site administrative office.

2.21 ASSESSMENTS

a. Individual Student Assessments

If the CONTRACTOR receives a parent request for evaluation, the CONTRACTOR shall inform the parent of his or her ability to submit a written request for evaluation to the LEA in accordance with applicable law. The LEA shall collaborate with the CONTRACTOR to develop the evaluation plan and submit it to the parent for approval. The LEA retains the responsibility for conducting triennial evaluations (EC 56381(c)).

2.22 CONFIDENTIALITY OF RECORDS

All reports, records and other documents that CONTRACTOR is required to submit to LEA, the Special Education Local Plan Area, or otherwise, pursuant to this contract, shall be redacted to the extent necessary and appropriate to protect the confidentiality and privacy of pupils, employees, and subcontractors, as provided for pursuant to state and federal law.

2.23 FORWARDING OF EDUCATIONAL RECORDS

The CONTRACTOR agrees, in the event of school closure, to immediately forward pupil records to the LEA pertaining to the LEA's pupils enrolled in CONTRACTOR's educational program. These records shall include, but need not be limited to, current transcripts, IEP/IFSPs and results of performance testing.

2.24 DATA REPORTING

CONTRACTOR agrees to provide LEA with all student information required for LEA to report to the California Longitudinal Pupil Achievement Data System (CALPADS) as well as other data as required by Every Student Succeeds Act (ESSA) or any federal data reporting requirements, including, but not limited to, data required to calculate enrollment and dropout and graduation rates.

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SECTION 3: PERSONNEL

3.1 VERIFICATION OF CREDENTIALS, LICENSES AND OTHER QUALIFICATIONS

The CONTRACTOR shall provide all contracted special education, and/or related services required by the IEP/IFSP, Master Contract and Individual Services Agreement by appropriately qualified staff. The CONTRACTOR shall provide appropriately credentialed teachers and/or licensed or license-eligible personnel or other education related mental health provider consistent with the California laws and regulations unless the California Department of Education has granted a written waiver. The CONTRACTOR shall be responsible for monitoring the status of waiver applications submitted to the state for all non-credentialed teachers and non-licensed service providers. All non-credentialed teachers and non-licensed service providers shall apply for a waiver.

For a NPSs A-G course credits, only University of California A-G approved courses will be accepted by contracting districts.

The CONTRACTOR shall be responsible for verification of credentials and licenses held by its employees, agents and subcontractors. Once the CONTRACTOR has provided the LEA with a copy of the credential or license for all staff providing services to children with disabilities, the CONTRACTOR shall supply the LEA with copies of any changes in the credentials or licenses of staff within 45 days of the change in accordance with Title 5, Section 3062.

The CONTRACTOR is fiscally responsible for all training necessary to provide appropriate services per IEP/IFSP. The LEA shall not reimburse CONTRACTOR for training that occurs outside of contact time with student, and that is not during implementation of IEP/IFSP.

Where behavior intervention services are provided by a nonpublic agency, the CONTRACTOR shall train staff in implementing the behavior support plan or Behavior Intervention Plan and pupils shall receive the level of supervision required in the pupil's IEP/IFSP.

The CONTRACTOR shall comply with all laws and regulations governing the licensed professions, including the provisions with respect to supervision.

3.2 EMPLOYEE FINGERPRINTS AND TUBERCULOSIS TESTING

The CONTRACTOR shall ensure that employee fingerprints have been processed in a manner required by EC section 44237. The CONTRACTOR shall maintain a file containing a current certificate of each person covered by Health and Safety Code Sections 121525-121555 (tuberculosis testing). In addition, contractor will adhere to all of the requirements under AB 389.

3.3 QUALIFICATIONS OF INSTRUCTIONAL AIDES AND TEACHER ASSISTANTS

Effective July 1, 2001 the CONTRACTOR shall ensure that newly hired instructional aides and teacher assistants have demonstrated proficiency in basic reading, writing, and mathematics skills, based on a test selected and administered by the CONTRACTOR.

3.4 REQUIREMENT TO REPORT

a. Child Abuse or Molestation

The CONTRACTOR shall maintain a signed statement by all personnel required to sign such a statement under the child abuse reporting laws, acknowledging their training and understanding of the reporting requirements regarding observed or suspected cases of child abuse. When filing a child abuse report under the Child Abuse Reporting laws, the CONTRACTOR shall include in the report the name, telephone number and address of the LEA representative as identified in Section 2.3 (Notices) of this contract.

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b. Missing Students

The CONTRACTOR shall ensure that staff is aware of its responsibility and requirement to report to parents, and local law enforcement as appropriate, when a pupil leaves campus without permission, immediately upon confirmation that the pupil is missing, in accordance with EC 49370. The CONTRACTOR shall contact the LEA Case Manager by telephone no later than the end of the day in the event a pupil leaves campus without permission, does not return that school day, and is not located at his or her residence or in the custody of his or her parent or guardian.

c. Student Injury

The CONTRACTOR agrees to complete a written report when a pupil has suffered an injury that requires medical attention, and notify the LEA case manager within 48 hours.

In case of incident, the CONTRACTOR agrees to submit a written report to the LEA case manager by the end of the following school day, in cases of injury resulting from physical restraint or the death of a student. The CONTRACTOR agrees to reasonably participate in any communications between a pupil's parents and the LEA regarding any injuries resulting from physical restraint.

SECTION 4: FISCAL

4.1 BILLING AND PAYMENT

a. Invoices

The CONTRACTOR shall submit invoices monthly. The effective date of an invoice shall be the date of the receipt by the LEA. Invoices should clearly reflect rates as specified in the Master Contract, be in accordance with the Individual Services Agreements, and include all days of creditable service, beginning no earlier than the date specified in the Interim Written Approval or ISA. The CONTRACTOR shall submit said invoice for services rendered no later than thirty (30) days from the end of the attendance accounting period calendar month in which said services are actually provided and the invoice shall be submitted pursuant to Section 2.3 (Notices) of this contract. All education related mental health services will be billed by contractor in separate invoice.

b. Late Invoices

If the LEA does not receive a properly submitted invoice within thirty (30) days from the end of the attendance accounting period calendar month, the LEA may deduct 1.5% per month, calculated proportionately per day, of that total invoice, if the LEA does not agree to the request of the CONTRACTOR to an extension of time to submit the invoice.

c. Payment

The LEA shall make payment within forty-five (45) days of receipt of a properly prepared and submitted invoice and such payment shall be submitted pursuant to Section 2.3 (Notices) of this contract. This payment shall be at the rates agreed to in the Rate Schedule (See Appendix A for Schools, B for Agencies, and C for Room and Board) of this contract and shall be in an amount equal to the number of creditable days of attendance during both the regular and extended school years, make-up sessions (including "excused" absences) per the individual services agreement for each pupil. This calculation shall include the Extended School Year if the pupil is enrolled in the Extended School Year, and any other absence for which the LEA has agreed to pay CONTRACTOR and any related services and transportation costs as specified in the Rate Schedule (See Appendix A for Schools, B for Agencies, and C for Room and Board) of this contract and in accordance with the Individual Services Agreements. If no notice of withholding is provided to CONTRACTOR within 10 working days of receipt of an invoice, the LEA shall not withhold any payment. Payment by the LEA shall refer to the invoice number or the date of the bill submitted by the CONTRACTOR.

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d. Pupil Enrolled Prior to Approval of Agreement to a Contract

Ed Code addresses situations when a contract has not yet been developed and the pupil is enrolled and receiving services from the Nonpublic School or Agency (ED 56366.9 c (1)).

"If a pupil is enrolled in a nonpublic, nonsectarian school or agency with the approval of the local educational agency prior to agreement to a contract or individual services agreement, the local educational agency shall issue a warrant, upon submission of an attendance report and claim, for an amount equal to the number of creditable days of attendance at the per diem tuition rate agreed upon prior to the enrollment of the pupil. This provision shall be allowed for 90 days during which time the contract shall be consummated."

e. Late Payment

If the payment is not postmarked from the LEA within forty-five (45) days of the receipt of the invoice, the LEA agrees to pay an additional fee of 1.5% interest per month on amounts not paid, such interest being calculated beginning day forty-six (46) from receipt of the invoice. Interest shall be calculated in accordance with standard accounting procedures. The CONTRACTOR shall bill the LEA for the interest. Failure by the LEA to pay an appropriately submitted invoice within 90 days of receipt may be considered a breach of contract.

f. Medi-Cal Reimbursement

Documentation of LEA Medi-CAL Billable Services will be completed by the provider. All documentation of provider services shall be given to the District/SELPA for reimbursement submissions to Medi-Cal. The contractor will not submit any claims in the LBO (LEA) program and the LEA has the right to submit claims for reimbursement.

4.2 RIGHT TO WITHHOLD

The LEA has the right to withhold payment to the CONTRACTOR when the LEA has reliable evidence, described in writing to the CONTRACTOR at the time the notice of withholding is submitted that: (A) service is provided by personnel who are not appropriately credentialed/licensed; (B) records required by the LEA prior to school closure with respect to one or more LEA pupil(s) enrolled in CONTRACTOR's educational program have not been received; (C) the CONTRACTOR confirms a pupil's change of residence to another district but neglects to notify the LEA within 5 days; or (D) the CONTRACTOR fails to notify the LEA within 5 days after the 10th consecutive school day of a pupil's absence. If the basis for withholding is subsections (B) (C) or (D) of this section the LEA may only withhold the proportionate amount of the bill related to that pupil. If the basis for withholding is subsection (A) of this section, the LEA may only withhold payment for services provided by that personnel.

The LEA shall notify CONTRACTOR in writing within 10 working days of receipt of an invoice of any reason why requested payment shall not be paid. (EC section 56366.5(a)). Such notice shall specify the basis for the LEA's withholding payment and shall be made pursuant to Section 2.3 (Notices) of this contract. If no notice of withholding is provided to CONTRACTOR within 10 working days of receipt of an invoice, the LEA shall not withhold any payment. Within fourteen (14) days from the date of receipt of such notice, the CONTRACTOR shall take all necessary and appropriate action to correct the deficiencies that form the basis for the LEA's withholding payment. Upon receipt of the CONTRACTOR'S written request showing good cause sent pursuant to Section 2.3 (Notices) of this Contract, the LEA shall extend the CONTRACTOR'S time to respond by an additional fourteen days. The CONTRACTOR shall submit rebilling for payment no later than thirty (30) calendar days when an invoice is returned to the CONTRACTOR with a notice of withholding. Upon verification of remediation of identified deficiencies and receipt of rebilling, the LEA shall pay the resubmitted invoice in accordance with Schools: Section 4.1, Agencies: Section 5.1 (Rate Schedule) of this contract. If CONTRACTOR does not resubmit sufficient rebilling or verify remediation of identified deficiencies within thirty (30) calendar days, that shall constitute a reason to continue to withhold payment unless and until CONTRACTOR resubmits the bill and corrects the deficiencies as noted in the original notice of withholding.

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2017-2018

4.3 INSPECTION AND AUDIT

a. Maintenance of Fiscal Records

The CONTRACTOR shall maintain cost data in sufficient detail to verify the annual operating budget in providing education and designated instructional services to children with disabilities and shall make that data available to the LEA upon reasonable request consistent with the provisions of this section. Fiscal records shall be maintained by the CONTRACTOR for five years and shall be available for audit consistent with the provisions of this section.

b. Maintenance of Student Records

District of residence is the custodian of the student records.

c. LEA Access to Documents Related to the Master Contract

The CONTRACTOR shall provide access to, or forward copies of, any documents or other matters relating to the contract within 20 days upon reasonable request by the LEA except as otherwise provided by law. The reason for this request for records shall be provided to the CONTRACTOR at the time it is made. The CONTRACTOR may request from the LEA an extension of time to comply with any records request, which shall not be unreasonably withheld. Such documents may include: 1) registers and roll books of teachers; 2) daily service logs and notes or other documents used to record the provision of related services; 3) absence verification records; 4) transportation records; 5) staff lists specifying credentials held, business and/or professional licenses held documents evidencing other qualifications; 6) dates of hire, and dates of termination; 7) staff time sheets; 8) non-paid volunteer sign-in sheets; 9) related services contracts; 10) school calendars; 11) bell/class schedules; 12) liability and workers' compensation insurance policies; 13) state nonpublic school certifications; 14) marketing materials; 15) statements of income and expenses; 16) general ledgers and supporting documents; 17) all budgetary information and projections submitted by the CONTRACTOR to LEA for purpose of contract negotiations.

d. Audit Exceptions

The CONTRACTOR agrees to accept responsibility for receiving, replying to, and/or complying with any audit exceptions identified by appropriate LEA personnel or State or Federal audit agencies occurring as a result of the CONTRACTOR's performance of this contract. The CONTRACTOR also agrees to pay to the LEA within thirty days of demand by LEA for any financial penalties resulting from any audit exceptions to the extent they are attributable to the CONTRACTOR's failure to perform properly any of its obligations under this contract unless the LEA agrees to different terms in writing and any demand by LEA for such payment shall be made pursuant to the notice provisions of Section 2.3 of this contract. Any, and all audit exceptions must be specified in complete detail before any demand from the LEA for any amount set forth therein.

e. Reasons for Unannounced Visits

LEA and/or Special Education Local Plan Area representatives may make unannounced inspections when there is a concern regarding the health, safety, or welfare of a child, or a substantial concern regarding the implementation of the IEP.

**San Diego County Nonpublic Master Contract
Main Document**

2017-2018

SECTION 5: SIGNATURES

This Nonpublic Master Contract 2017-2018, including its component parts, may be signed in counterparts and the signatures may appear on separate signature pages. A copy and/or original, with all signatures attached, shall be deemed a fully executed document. A facsimile version of any party's signature shall be deemed an original. The parties hereto have executed this Contract by and through their duly authorized agents or representatives as indicated by their signatures.

This contract is effective on _____ and terminates at 5:00 p.m. on _____ unless sooner terminated as provided herein.

CONTRACTOR

Nonpublic ☐ School ☐ Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

APPROVED AS TO FORM:

SELPA DIRECTOR

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA

Local Educational Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA Board Approval

DATE: _____

LEA: _____ Nonpublic: _____

2017-2018
Nonpublic
Master Contract

Appendix A: Schools



San Diego County Office of Education
Student Services and Programs Division
Special Education Department

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX A: SCHOOLS
2017-2018

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SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX A: SCHOOLS
2017-2018

NONPUBLIC MASTER CONTRACT
Appendix A: Schools

CONTRACT YEAR _____

SECTION 1: NONPUBLIC SCHOOLS ASSOCIATED WITH LICENSED CHILDREN'S INSTITUTIONS (LCIs)

When a nonpublic, nonsectarian school is owned, operated by, or associated with a licensed children's institution, that nonpublic, nonsectarian school shall provide documentation to the LEA that the LCI does not require as a condition of residential placement in the LCI, either of the following: that the student be identified as an individual with exceptional needs per EC 56062 (Health and Safety Code 1501.1(b), EC 56155.7), or that the student attend the nonpublic school associated with the LCI (EC 56366.9). Educational placement of a student in the NPS associated with the LCI may only take place if the LEA determines that alternative educational programs are not available (EC 56366.9).

SECTION 2: EDUCATIONAL PROGRAM

2.1 ADMISSION / ENROLLMENT PROCEDURE

Prior to the CONTRACTOR deciding whether or not to enroll a pupil, the LEA shall provide the CONTRACTOR a copy of the pupil's current IEP/IFSP and immunization records. The LEA shall facilitate an observation of the pupil, data gathering from the current or prior education providers, and any other reasonable information gathering CONTRACTOR wishes to undertake prior to making an enrollment decision. The CONTRACTOR retains the right to decline enrollment of any pupil and nothing in this contract shall be construed to limit this right.

If a pupil is being considered for enrollment, his or her IEP/IFSP shall be reviewed in collaboration with the LEA, CONTRACTOR, parents, and other invited participants, as appropriate.

The CONTRACTOR will make a good faith effort to notify the LEA of its decision to decline enrollment within 10 working days based on a review of the application packet. The CONTRACTOR shall notify the LEA of the effective date of enrollment, or decline of enrollment after gathering additional information, as soon as possible in accordance with Section 2.3 (Notices) of the Nonpublic Master Contract Main Document.

2.2 GENERAL PROGRAM OF INSTRUCTION

The Contractor's educational materials, services, and programs will be consistent with the pupil's individualized education program in accordance with Education Code 56366.10. The pupil's IEP/IFSP shall be aligned with the state standards as appropriate to meet the individual pupil's needs. The CONTRACTOR shall utilize materials, methods and instructional time in accordance with the pupil's IEP/IFSP and the Individual Services Agreement. The NPS offers/provides students with access to the following educational materials: for K and grades 1 to 8 inclusive, state-adopted standards-based, core curriculum and instructional materials; for grades 9 to 12, inclusive, standards-based, core curriculum and instructional materials used by any local education agency that contracts with the NPS, nonsectarian school.

The CONTRACTOR's general program of instruction, including its technology plan and descriptions of courses leading to graduation with a diploma, shall be provided electronically and/or in writing and a copy provided to the LEA representative identified in Section 2.3 (Notices) of the Nonpublic Master Contract Main Document prior to the effective date of this contract. The technology plan shall include, but not be limited to, a description of student access to technology as part of the general program of instruction and staff technology training as needed.

Independent study (California *Education Code [EC]* sections 51745(c)) An individual with exceptional needs, as defined in Section 56206, shall not participate in independent study, unless his or her individualized education program developed pursuant to Article 3 (commencing with Section 56340) of Chapter 4 of Part 30 specifically provides for that participation.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT

APPENDIX A: SCHOOLS

2017-2018

a. Transcripts

If a pupil is of secondary school age, the LEA shall provide a specific list of the course requirements to be satisfied by the CONTRACTOR leading toward the pupil's graduation with a diploma or certificate of completion, and specified performance standards. The CONTRACTOR shall have procedures for record keeping and documentation, and shall maintain high school records to ensure that appropriate high school credits are received, if applicable.

At the close of each semester, for a pupil in grades 9, 10, 11, and 12, the CONTRACTOR shall prepare transcripts and submit them to the pupil's LEA in accordance with the notice provisions of Section 2.3 (Notices) of the Nonpublic Master Contract Main Document. The LEA shall monitor the progress of the pupil towards graduation with a diploma or certificate of completion.

b. Foster Youth

Shall be defined pursuant to California Education Code section 42238.01(b). The LEA shall annually notify the CONTRACTOR who the LEA has designated as the educational liaison for foster children. When a pupil in foster care is enrolled in a nonpublic school by the LEA any time after the completion of the pupil's second year of high school, the CONTRACTOR shall schedule the pupil in courses leading towards graduation based on the diploma requirements of the LEA unless provided notice otherwise in writing pursuant to Section 51225.1.

2.3 SUPPLIES AND EQUIPMENT

The CONTRACTOR shall be responsible for providing all standard and usual supplies and equipment it normally provides as part of its general program. A student who may require assistive technology to benefit from his/her special education program shall be referred for an assistive technology evaluation through the LEA. If an individual pupil's IEP/IFSP requires specialized equipment and/or supplies beyond the CONTRACTOR's general program they shall be provided by the LEA unless otherwise specified in the Individual Services Agreement. LEA shall provide the low incidence equipment assigned to the pupil through the IEP/IFSP unless CONTRACTOR specifically agrees in the Individual Services Agreement to provide the low incidence equipment. Supplies and/or equipment purchased and/or provided by the LEA remain the property of the LEA and supplies and/or equipment purchased and/or provided by CONTRACTOR remain the property of CONTRACTOR, if not specifically reimbursed by the LEA for that specific supply or equipment. If the CONTRACTOR provides DIS and/or related services, the CONTRACTOR shall be responsible for providing usual and reasonable supplies and assessment tools necessary to implement the provision of services unless otherwise agreed in the Individual Services Agreement.

2.4 CALENDAR

By April 1 of each year, the CONTRACTOR shall submit a school calendar to the SDCOE Director of Special Education, including daily start and end times, with the total number of billable days not to exceed one hundred and eighty (180) in the regular school year, plus extended school year days as needed. The CONTRACTOR shall observe the following legal holidays including Independence Day, Veteran's Day, Labor Day, Thanksgiving Day, Christmas Day, New Year's Day, Dr. Martin Luther King Jr. Day, President's Day, and Memorial Day, as specified in the CONTRACTOR's official calendar. If the CONTRACTOR's provide make-up days, the calendar shall include make-up days, which may be used as long as no pupil exceeds 180 billable days during the regular school year, or the number of days allotted for the extended school year, per that pupil's ISA (Refer to 5CCR 3043). The CONTRACTOR shall arrange for transportation on the make-up days.

The CONTRACTOR shall only provide designated instruction and services during: 1) the pupil's regular school year, 2) extended school year program, 3) while providing make-up classes or services, 4) as otherwise specified by the pupil's IEP/IFSP. Make-up sessions may be scheduled for other days of school vacations.

2.5 CREDITABLE DAYS OF ATTENDANCE / INSTRUCTIONAL MINUTES

Creditable days of attendance include days on the school calendar attached hereto, make-up classes or services. Creditable days of attendance are those in which the instructional minutes of the CONTRACTOR meet or exceed those in comparable LEA programs, or those which are established by the pupil's IEP/IFSP, whichever is less (EC Section 46307). The instructional minutes should be reflected in the Individual Services Agreement.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX A: SCHOOLS
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2.6 PARENT VISITS

The CONTRACTOR shall provide for reasonable parental visits to all of the school facilities including, but not limited to, the instructional setting attended by pupils, school and recreational activity areas, and pupil's living quarters for those parents whose pupil resides in the living quarters. The CONTRACTOR shall use its good faith efforts to provide that parental visits are in agreement with a court order, if any.

2.7 ASSESSMENTS

a. State Mandated Testing

Standardized tests shall be administered pursuant to state requirements and local guidelines outlined in SB 484, as determined by the individual pupil's IEP. For pupils in grades one through twelve, inclusive, the CONTRACTOR shall permit the LEA to administer state and local mandated tests following the LEA testing schedule at the CONTRACTOR's site in accordance with the testing period.

By October 1, the LEA shall notify the CONTRACTOR of the LEA testing schedule. By December 1, the CONTRACTOR shall notify the LEA of the designated testing period, which addresses most of the LEA testing schedules. State mandated testing outside the designated testing period shall be administered by the LEA at a location other than the NPS. LEA and CONTRACTOR shall collaborate to minimize the disruption to the educational programs for students caused by the administration of state and local mandated tests. The LEA shall share the results of the state mandated testing with the CONTRACTOR.

2.8 STAFF ABSENCES

When a classroom teacher is absent, The CONTRACTOR shall provide appropriate coverage in the absent teacher's classroom in accordance with EC section 56061. The CONTRACTOR shall provide the LEA the documentation of such coverage upon request.

CONTRACTORS who provide nurses, 1:1 aides or 1:1 behavior intervention staff in accordance with an individual student's IEP/IFSP shall provide substitute coverage when the staff member is absent, unless other arrangements have been made with the LEA on a case by case basis.

2.9 MONITORING

Per 5 CCR 3063, the State Superintendent of Public Instruction (SSPI) shall conduct a validation review of the nonpublic school prior to an initial conditional certification. An on-site review shall be conducted within 90 days of the initial conditional certification and student enrollment. On-site reviews shall be scheduled at least once every three years thereafter. In addition, LEA shall monitor the education of students placed by IEP teams in the nonpublic school setting.

Upon request, the CONTRACTOR shall provide the LEA with annual program goals and implementation plan. CONTRACTOR will participate in the review of the Nonpublic schools and or agencies via the San Diego County Nonpublic Quality Review process on a four-year cycle. The Quality Review Committee shall make every attempt to coordinate the Quality Review process with the CDE certification review.

SECTION 3: SAFETY

3.1 SAFE AND APPROPRIATE ENVIRONMENT

a. Facilities

The CONTRACTOR shall be responsible for providing facilities in which it provides the services agreed to in the Individual Services Agreement, unless there is written agreement to the contrary. CONTRACTOR shall comply with applicable law with respect to the structural specifications of the facilities in which it provides services.

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CONTRACTOR shall comply with all applicable local, county, and/or state ordinances and statutes relating to fire, health, sanitation, and building safety.

b. Fire Drills

The CONTRACTOR shall assure that the school has a fire drill, not less than once every calendar month at the elementary and intermediate level and not less than twice yearly at the secondary level.

c. Earthquake Procedures

The CONTRACTOR'S nonpublic school buildings which have an occupant capacity of fifty or more pupils or more than one classroom shall have an established earthquake emergency procedure system including a school building disaster plan; a drop procedure; protective measures to be taken before, during, and following an earthquake; and a program to ensure that the pupils and the certificated and classified staff are aware of and properly trained in the earthquake emergency procedure system.

3.2 ATTENDANCE

The CONTRACTOR shall keep original records of each pupil's daily attendance in a register, report, or record with the pupil's absences clearly indicated. The CONTRACTOR shall report attendance monthly, including a cumulative total of excused and unexcused absences for the year to date. The CONTRACTOR shall file the signed copies of such attendance register, report, or record with monthly invoices to the LEA within thirty (30) days of the close of the school month. The CONTRACTOR shall submit separate attendance forms for any and all related services that are provided by the CONTRACTOR that are not a part of the inclusive rate as specified in IEPs/IFSPs. The documents and reports identified in this section shall be provided to LEA pursuant to the provisions in Section 2.1 (Notices) of the Nonpublic Master Contract Main Document.

The CONTRACTOR is responsible for verifying accuracy of said attendance forms and for informing subcontractors of their personal responsibility for the completion and accuracy of said forms. The CONTRACTOR shall meet with LEA representatives, upon reasonable notice, for the purpose of discussing attendance reporting.

a. Unexcused Absences

If a pupil's absences exceed more than ten days, the CONTRACTOR may notify the LEA of the intent to terminate the Individual Services Agreement and if it does, at the same time it shall request an IEP/IFSP meeting. Said notice shall be provided pursuant to Section 2.1 (Notices) of the Nonpublic Master Contract Main Document. Upon receipt of this request, the LEA shall convene an IEP/IFSP meeting as soon as possible to review the placement, modify the IEP/IFSP if appropriate, or determine another appropriate placement option for the student.

CONTRACTOR shall notify the LEA case manager when a pupil has been absent for 10 consecutive school days. Failure by the CONTRACTOR to notify the LEA case manager within 5 days after the 10th consecutive school day absence shall relieve the LEA of any obligation to pay for any absence beyond the tenth day of absence.

b. Change of Pupil's District of Residence

Within 5 days after the CONTRACTOR confirms that a pupil has changed his or her residence and no longer resides in the LEA, the CONTRACTOR shall notify the LEA, of the change of residence and such notice shall be provided pursuant to Section 2.3 (Notices) of the Nonpublic Master Contract Main Document. Both the LEA and the CONTRACTOR shall notify parents in writing of their obligation to notify the CONTRACTOR of changes of pupil's residence.

c. Parent Withdrawal of Student

The CONTRACTOR shall report by telephone no later than the end of the next school day to the case manager if a pupil is dis-enrolled from school by the parent. The CONTRACTOR shall confirm such telephone call in writing.

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d. Make-up Days/Saturday School (Ed Code 3722.3, 42239)

Make-up days may be scheduled on weekends and during school breaks within the fiscal year the services were originally to be provided. Make-up days, if provided by the CONTRACTOR, shall be noted on the CONTRACTOR's annual calendar. Make up days include excused and unexcused absences as well as absences during ESY within the contract year. All related services shall be provided by the CONTRACTOR during the CONTRACTOR's regular school and extended school calendar days unless otherwise specified on the IEP/IFSP.

The LEA shall not be responsible for payment of services for days on which pupil's attendance does not qualify for reimbursement under state law.

Billing for Make-up days shall be monthly and shall accompany Contractor's regular monthly invoice. Contractor shall prepare a Register of Daily Attendance for Make-up days during the month showing all students who were in attendance. Total amount billed for Make-up days during the month will be shown as a separate line on Contractor's invoice. All provisions for audit, corrections, and payment as stated in this Master Contract that apply to Contractor's invoicing shall apply to the Make-up day invoice.

e. Medication

CONTRACTOR shall comply with the requirements of California Education Code section 49423 when CONTRACTOR serves a student that is required to take prescription and/or over-the-counter medication during the school day. CONTRACTOR may designate personnel to assist the student with the administration of such medication after the student's parent(s) provides to CONTRACTOR: (a) a written statement from a physician detailing the type, administration method, amount, and time schedules by which such medication shall be taken; and (b) a written statement from the student's parent(s) granting CONTRACTOR permission to administer medication(s) as specified in the physician's statement. CONTRACTOR shall maintain, and provide to LEA upon request, copies of such written statements. CONTRACTOR shall maintain a written log for each student to whom medication is administered. Such written log shall specify the student's name; the type of medication; the date, time, and amount of each administration; and the name of CONTRACTOR's employee who administered the medication. CONTRACTOR maintains full responsibility for assuring appropriate staff training in the administration of such medication consistent with physician's written orders. Any change in medication type, administration method, amount or schedule must be authorized by both a licensed physician and parent.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
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SECTION 4: FINANCIAL

4.1 RATE SCHEDULE FOR CONTRACT YEAR

The CONTRACTOR: _____

The CONTRACTOR CDS NUMBER: _____

PER ED CODE 56366 – TEACHER-TO-PUPIL RATIO: _____

Education service(s) offered by the CONTRACTOR and the charges for such service(s) during the term of this contract, as negotiated by the SDCOE on behalf of the LEAs, shall be as follows:

a. General Program Tuition Rate

- 1) Inclusive Education Program
(Includes Educational Counseling (not ed related mental health) services, Speech & Language services, Behavior Intervention Planning, and Occupational Therapy as specified on the student's IEP.) DAILY RATE: _____

2) Related Services

<u>SERVICE</u>	<u>RATE</u>	<u>PERIOD/HR/DAI</u>
<u>Intensive Individual Services (340)</u>	_____	_____
<u>Individual and Small Group Instruction (Ages 3-5 only) (350)</u>	_____	_____
<u>Adapted Physical Education (425)</u>	_____	_____
<u>Adapted Physical Education Assessment (425)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care LVN (435)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care RN (435)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care CRN (435)</u>	_____	_____
<u>Health and Nursing: Other Services LVN (436)</u>	_____	_____
<u>Health and Nursing: Other Services RN (436)</u>	_____	_____
<u>Health and Nursing: Other Services CRN (436)</u>	_____	_____
<u>Health and Nursing: Other Services Health Aide/CNA (436)</u>	_____	_____
<u>Assistive Technology Services - Credentialed (445)</u>	_____	_____
<u>Assistive Technology Services – Classified (445)</u>	_____	_____
<u>Assistive Technology Services Assessment (445)</u>	_____	_____

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<u>Physical Therapy (460)</u>	<hr/>	<hr/>
<u>Physical Therapy PT Assistant (460)</u>	<hr/>	<hr/>
<u>Physical Therapy Assessment (460)</u>	<hr/>	<hr/>
<u>Individual Counseling (510)</u>	<hr/>	<hr/>
<u>Counseling and Guidance (515)</u>	<hr/>	<hr/>
<u>Parent Counseling (520)</u>	<hr/>	<hr/>
<u>Social Work Services (525)</u>	<hr/>	<hr/>
<u>Psychological Services (530)</u>	<hr/>	<hr/>
<u>Psychological Services Assessment (530)</u>	<hr/>	<hr/>
<u>Specialized Services for Low Incidence Disabilities (610)</u>	<hr/>	<hr/>
<u>Specialized Services for Low Incidence Disabilities Assess (610)</u>	<hr/>	<hr/>
<u>Specialized Deaf and Hard of Hearing (710)</u>	<hr/>	<hr/>
<u>Specialized Deaf and Hard of Hearing Assessment (710)</u>	<hr/>	<hr/>
<u>Interpreter Services (715)</u>	<hr/>	<hr/>
<u>Interpreter Services Shift Differential (715)</u>	<hr/>	<hr/>
<u>Audiological Services (720)</u>	<hr/>	<hr/>
<u>Audiological Services Assessment (720)</u>	<hr/>	<hr/>
<u>Specialized Vision Services (725)</u>	<hr/>	<hr/>
<u>Specialized Vision Services Assessment (725)</u>	<hr/>	<hr/>
<u>Orientation and Mobility (730)</u>	<hr/>	<hr/>
<u>Orientation and Mobility Assessment (730)</u>	<hr/>	<hr/>
<u>Braille Transcription (735)</u>	<hr/>	<hr/>
<u>Specialized Orthopedic Services (740)</u>	<hr/>	<hr/>
<u>Specialized Orthopedic Services Assessment (740)</u>	<hr/>	<hr/>
<u>Reader Services (745)</u>	<hr/>	<hr/>
<u>Note Taking Services (750)</u>	<hr/>	<hr/>
<u>Transcription Services (755)</u>	<hr/>	<hr/>

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
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<u>Recreation Services, Including Therapeutic (760)</u>	<u></u>	<u></u>
<u>College Awareness Preparation (820)</u>	<u></u>	<u></u>
<u>Vocational Assessment, Counseling/Guidance Assessment (830)</u>	<u></u>	<u></u>
<u>Career Awareness (840)</u>	<u></u>	<u></u>
<u>Work Experience Education (850)</u>	<u></u>	<u></u>
<u>Job Coaching (855)</u>	<u></u>	<u></u>
<u>Mentoring (860)</u>	<u></u>	<u></u>
<u>Agency Linkages (referral and placement) (865)</u>	<u></u>	<u></u>
<u>Travel Training (870)</u>	<u></u>	<u></u>
<u>Other Transition Services (890)</u>	<u></u>	<u></u>
<u>Other (900) Music Therapy</u>	<u></u>	<u></u>
<u>Other (900) Vision Therapy</u>	<u></u>	<u></u>
<u>Transportation – Emergency</u>	<u></u>	<u></u>
<u>Bus Passes</u>	<u></u>	<u></u>

NOTES:

*Parent transportation reimbursement rates to be set forth in Individual Services Agreements.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX A: SCHOOLS
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SECTION 5: APPROVALS

CONTRACTOR
Nonpublic School

Authorized Representative Signature

DATE: _____

(Type) Name and Title

APPROVED AS TO FORM:

SELPA DIRECTOR

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA
Local Educational Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA Board Approval

DATE: _____

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX A: SCHOOLS
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INTERIM WRITTEN APPROVAL

For Provision of Special Education/Related Services and Payment

Pursuant to Section 1.1 of the Master Contract (Main Document),
the Local Education Agency (LEA) _____
provides to the CONTRACTOR _____
interim written approval for CONTRACTOR to provide the agreed upon Special Education and/or Related Services
identified in the most recent IEP/IFSP of _____,
(Student Name)
at the rates set forth in Schools: Section 4.1 of the Master Contract for the 201____ - 201____ Contract
Year.
Anticipated Student Start Date: _____.

This interim written approval shall be for a maximum period of 90 days, beginning with the anticipated student start date at the nonpublic school or nonpublic agency. If an Individual Services Agreement and/or Master Contract is not completed and executed by the LEA and the CONTRACTOR within this 90 day period, the LEA or CONTRACTOR may request an IEP meeting to be held as soon as possible to discuss a change in placement for the pupil. The LEA shall continue to reimburse the CONTRACTOR as set forth in the interim written approval, or as otherwise agreed by the parties in writing, pending any change in placement or subsequent execution of an Individual Services Agreement.

This interim written approval does not require the CONTRACTOR to provide services for 90 days, or for any maximum period of time. The parties have already agreed, or may agree, to hold an IEP meeting within 30 days of the student's first day of attendance.

Agreed to by the District Representative of the Special Education Unit of the LEA:

Signature

Date

Name/Title

Agreed to by the CONTRACTOR:

Signature

Date

Name/Title

San Diego County Nonpublic Master Contract
Appendix A: Schools
2017-2018

INDIVIDUAL SERVICES AGREEMENT FOR NONPUBLIC, NONSECTARIAN SCHOOL SERVICES
(Education Code Sections 56365 et seq.)

This agreement is effective on _____ or the date student begins attending a nonpublic school or receiving services from a nonpublic agency, if after the date identified, and terminates at 5:00 P.M. on June 30, 201____, unless sooner terminated as provided in the Master Contract and by applicable law.

Local Education Agency _____ Nonpublic School _____

LEA Case Manager: Name _____ Phone Number _____

Pupil Name _____ Sex: ☐ M ☐ F Grade: _____
(Last) (First) (M.I.)

Address _____ City _____ State/Zip _____

DOB _____ Residential Setting: ☐ Home ☐ Foster ☐ LCI # _____ ☐ OTHER _____

Parent/Guardian _____ Phone () _____ () _____
(Residence) (Business)

Address _____ City _____ State/Zip _____
(If different from student)

AGREEMENT TERMS:

1. *Nonpublic School.* The average number of minutes in the instructional day will be: _____ during the regular school year
_____ during the extended school year
2. *Nonpublic School.* The number of school days in the calendar of the school year are: _____ during the regular school year
_____ during the extended school year
3. *Educational services as specified in the IEP shall be provided by the CONTRACTOR and paid at the rates specified below.*
 - INCLUSIVE EDUCATION PROGRAM: (Applies to nonpublic schools only):* Daily Rate: _____
(Includes Educational Counseling (not ed related mental health) services, Speech & Language services, Behavior Intervention Planning, and Occupational Therapy as specified on the student's IEP.)

Estimated Number of Days _____ x Daily Rate _____ = PROJECTED BASIC EDUCATION COSTS (A) _____

B. RELATED SERVICES:

SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPS	OTHER Specify				
Intensive Individual Services (340)							
Individual and Small Group Instruction (350) (Ages 3-5 only)							
Language and Speech (415)					INCLUDED		INCLUDED
Adapted Physical Ed. (425)							
Adapted Physical Ed. - Assessment (425)							
Health and Nursing: Specialized Physical Health Care - LVN (435)							
Health and Nursing: Specialized Physical Health Care - RN (435)							

San Diego County Nonpublic Master Contract
Appendix A: Schools
2017-2018

SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPS	OTHER Specify				
Health and Nursing: Specialized Physical Health Care - CRN (435)							
Health and Nursing Services: Other - LVN (436)							
Health and Nursing Services: Other - RN (436)							
Health and Nursing Services: Other - CRN (436)							
Health and Nursing Services: Other - Health Aide/CNA (436)							
Assistive Technology Services - Credentialed (445)							
Assistive Technology Services – Classified (445)							
Assistive Technology Services - Assessment (445)							
Occupational Therapy (450)					INCLUDED		INCLUDED
Physical Therapy (460)							
Physical Therapy - PT Assistant (460)							
Physical Therapy - Assessment (460)							
Individual Counseling (510)							
Counseling and Guidance (515)							
Parent Counseling (520)							
Social Work Services (525)							
Psychological Services (530)							
Behavior Intervention Services (535)					INCLUDED		INCLUDED
Specialized Services for Low Incidence Disabilities (610)							
Specialized Services for Low Incidence Disabilities – Assessment (610)							
Specialized Deaf and Hard of Hearing Services (710)							

San Diego County Nonpublic Master Contract
Appendix A: Schools
2017-2018

SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPS	OTHER Specify				
Specialized Deaf and Hard of Hearing Services – Assessment (710)							
Interpreter Services (715)							
Interpreter Services – Shift Differential (715)							
Audiological Services (720)							
Audiological Services Assessment (720)							
Specialized Vision Services (725)							
Specialized Vision Services Assessment (725)							
Orientation and Mobility (730)							
Orientation and Mobility Assessment (730)							
Braille Transcription (735)							
Specialized Orthopedic Service (740)							
Specialized Orthopedic Service Assessment (740)							
Reader Services (745)							
Note Taking Services (750)							
Transcription Services (755)							
Recreation Services, Including Therapeutic (760)							
College Awareness Preparation (820)							
Vocational Assessment, Counseling, Guidance and Career Assessment (830)							
Career Awareness (840)							
Work Experience Education (850)							
Job Coaching (855)							

San Diego County Nonpublic Master Contract
Appendix A: Schools
2017-2018

SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPS	OTHER Specify				
Mentoring (860)							
Agency Linkages (referral and placement) (865)							
Travel Training (870)							
Other Transition Services (890)							
Other (900) Music Therapy							
Other (900) Vision Therapy							
Transportation-Emergency							
Bus Passes							

ESTIMATED MAXIMUM RELATED SERVICES COST (C)\$ _____

4. Other Provisions/Attachments:

MASTER CONTRACT APPROVED BY THE GOVERNING BOARD ON _____

INDIVIDUAL SERVICES AGREEMENT APPROVED BY CASE MANAGER:

 (Signature)

 (Date)

The parties hereto have executed this Individual Services Agreement by and through their duly authorized agents or representatives as set forth below.

-CONTRACTOR-

-DISTRICT-

 (Name of Nonpublic School)

 (Name of School District)

 (Signature)

(Date)

 (Signature)

(Date)

 (Name and Title)

 (Name of Superintendent or Authorized Designee)

LEA: _____ Nonpublic: _____

2017-2018
Nonpublic
Master Contract

Appendix B: Agencies



San Diego County Office of Education
Student Services and Programs Division
Special Education Department

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
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SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

NONPUBLIC MASTER CONTRACT
Appendix B: Agencies

CONTRACT YEAR _____

SECTION 1: EDUCATIONAL PROGRAM

1.1 ADMISSION/ENROLLMENT PROCEDURES

Prior to the CONTRACTOR deciding whether or not to enroll a pupil, the LEA shall provide the CONTRACTOR a copy of the pupil's current IEP/IFSP, and facilitate an observation of the pupil, data gathering from the current or prior education providers, and any other reasonable information gathering CONTRACTOR wishes to undertake prior to making an enrollment decision. The CONTRACTOR retains the right to decline enrollment of any pupil and nothing in this contract shall be construed to limit this right.

If a pupil is being considered for enrollment, his or her IEP/IFSP shall be reviewed in collaboration with the LEA, CONTRACTOR, parents, and other invited participants, as appropriate.

The CONTRACTOR shall notify the LEA of its decision to decline enrollment or the effective date of enrollment of the pupil in accordance with Section 9 (Notices) of this contract within 10 working days of receipt of the referral.

1.2 SUPPLIES AND EQUIPMENT

The CONTRACTOR shall be responsible for providing all standard and usual supplies and equipment required for the general program provided by CONTRACTOR. If an individual pupil's IEP/IFSP requires specialized equipment and/or supplies beyond the CONTRACTOR'S general program, the LEA shall provide them unless otherwise specified in the Individual Services Agreement. The LEA shall provide the low incidence equipment assigned to the pupil through the IEP/IFSP unless CONTRACTOR specifically agrees in the Individual Services Agreement to provide the low incidence equipment. Supplies and/or equipment purchased and/or provided by the LEA remain the property of the LEA and supplies and/or equipment purchased and/or provided by CONTRACTOR remain the property of CONTRACTOR, if not specifically reimbursed by the LEA for that specific supply or equipment. If the CONTRACTOR provides DIS and/or related services, the CONTRACTOR shall be responsible for providing usual and reasonable supplies and assessment tools necessary to implement the provision of services unless otherwise agreed in the Individual Services Agreement.

1.3 CALENDAR

The CONTRACTOR shall only provide designated instruction and services during the period of the pupil's regular or extended school year program, or both, at the location designated by the IEP, unless otherwise specified by the pupil's IEP/IFSP. The CONTRACTOR shall observe the following legal holidays including Independence Day, Veteran's Day, Labor Day, Thanksgiving Day, Christmas Day, New Year's Day, Dr. Martin Luther King Jr. Day, President's Day, and Memorial Day, as specified in the CONTRACTOR'S official calendar. Make-up sessions may be scheduled for other days of school vacations.

1.4 PARENT VISITS/COMMUNICATION

- a. The CONTRACTOR shall provide for reasonable parental visits to all of the agency facilities including, but not limited to, the instructional setting attended by pupils and recreational activity areas. CONTRACTOR shall notify case manager or other authorized district representative of all planned parental visits, and provide opportunity for case manager or other district representative to attend visit. The CONTRACTOR shall use its good faith efforts to provide that parental visits are in agreement with a court order, if any.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

- b. All communication between CONTRACTOR and Parent regarding programmatic decisions must include case manager or other authorized IEP team member, unless authorized by LEA representative or case manager, regarding program recommendations.

1.5 **OWNERSHIP**

All activity plans, token systems, reinforce systems or inventories, visual schedules, data, drills, progress reports, quarterly reports, behavior intervention plans, behavior support plans, behavior graphs, student assessment results, and program materials created specifically for individual pupils by CONTRACTOR under this Agreement shall be the joint property of CONTRACTOR and LEA.

1.6 **STAFF ABSENCES**

When a provider is absent, The CONTRACTOR shall provide appropriate coverage in accordance with EC section 56061. The CONTRACTOR shall provide the LEA the documentation of such coverage upon request. As appropriate, the CONTRACTOR and the LEA may make arrangements for make-up sessions, usually within 30 days, at a mutually convenient time and location if appropriate staff is not available to provide coverage for staff absences.

CONTRACTORS who provide nurses, 1:1 aides or 1:1 behavior intervention staff in accordance with an individual student's IEP/IFSP shall provide substitute coverage when the staff member is absent, unless other arrangements have been made with the LEA on a case by case basis.

SECTION 2: ATTENDANCE

The CONTRACTOR shall keep original records of services provided to each pupil in a register, report or record with the pupil's absences clearly indicated. The CONTRACTOR shall file the signed copies of such service logs with monthly invoices to the LEA within thirty (30) days of the close of the school month. The documents and reports identified in this section shall be provided to LEA pursuant to the provisions in Section 2.3 (Notices) of the Nonpublic Master Contract Main Document. The CONTRACTOR is responsible for verifying accuracy of the service logs and for informing subcontractors of their personal responsibility for the completion and accuracy of said forms. A unit of service for payment purposes is one session as specified in the pupil's IEP/IFSP.

If a pupil's absences exceed more than ten days, the CONTRACTOR may notify the LEA of the intent to terminate the Individual Services Agreement and if it does, at the same time it shall request an IEP/IFSP meeting. Said notice shall be provided pursuant to Section 9 (Notices) of this contract. Upon receipt of this request, the LEA shall convene an IEP/IFSP meeting as soon as possible to review the placement, modify the IEP/IFSP if appropriate, or determine another appropriate placement option for the student.

If a CONTRACTOR attempts to provide services for 5 consecutive days or sessions, and the student is not available for the service, the CONTRACTOR may suspend the Individual Services Agreement and notify the district of the need to convene a meeting of the IEP/IFSP team to attempt to resolve the problem. If a pupil's absences exceed more than ten unreimbursed days, the CONTRACTOR may notify the LEA of the intent to terminate the Individual Services Agreement and if it does, at the same time it shall request an IEP/IFSP meeting. Said notice shall be provided pursuant to Section 9 (Notices) of this contract. Upon receipt of this request, the LEA shall convene an IEP/IFSP meeting as soon as possible to determine another appropriate placement option for the student.

SECTION 3: SAFETY

3.1 **SAFE AND APPROPRIATE ENVIRONMENT**

If nonpublic agency services are not provided on a school site, the CONTRACTOR shall be responsible for providing facilities in which it provides the services agreed to in the Individual Services Agreement, unless there is written agreement to the contrary. CONTRACTOR shall comply with applicable law with respect to the structural specifications of the facilities in which it provides services. CONTRACTOR shall comply with all applicable local, county, and/or state ordinances and statutes relating to fire,

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
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health, sanitation and building safety. If services are provided at a school site, the CONTRACTOR shall participate in the regularly scheduled fire, earthquake, and disaster drills as appropriate.

When the IEP specifies that NPA services are to be provided in the child's home, the parent/guardian or another adult caregiver designated by the parent shall be present in the home while the services are delivered.

SECTION 4: CONFLICT OF INTEREST

All recommendations for service by CONTRACTOR are the decisions of the IEP team.

To the extent required by EC section 56366.3, CONTRACTOR shall not provide special education and related services, administration, or supervision by an individual who is or was an employee of a contracting district, special education local plan area, or county office within the last 365 days, except if the individual was involuntarily terminated or laid off as part of necessary staff reductions from the contracting district, special education local plan area, or county office. This provision does not apply to any person who is able to provide designated instruction and services during the extended school year because he or she is otherwise employed for up to 10 months of the school year by the district, special education local plan area, or county office. For purposes of this section the special education local plan area shall be the special education local plan area of which the LEA is a member and the county office shall refer to the San Diego County Office of Education.

In terms of determining whether an individual who provides special education and related services, administration, or supervision, is or was an employee of a contracting district, special education local plan area, or county office within the last 365 days or whether the individual was involuntarily terminated or laid off as part of necessary staff reductions from the contracting district, special education local plan area, or county office, the information provided to the CONTRACTOR by the individual in his or her application for employment, resume, or other paperwork, shall be conclusive evidence on this issue for purposes of determining compliance (if required) with EC section 56366.3. No payment shall be withheld or reimbursement demanded from CONTRACTOR if the individual failed to disclose on his or her application, resume, or paperwork, submitted to the CONTRACTOR that he or she is or was an employee of a contracting district, special education local plan area, or county office within the last 365 days or misstates the reason for separation. However, if the LEA subsequently provides CONTRACTOR written notice (pursuant to Section 9 of this contract) that an individual who provides special education and related services, administration, or supervision, is or was an employee of a contracting district, special education local plan area, or county office within the last 365 days (and was not involuntarily terminated or laid off as part of necessary staff reductions) the CONTRACTOR shall have five school days from receipt of the written notice to investigate the matter and to determine the accurate facts and whether the individual should be terminated. The CONTRACTOR shall not be subject to any payment withholding or reimbursement demands ("penalties") for the time period prior to receiving the written notice or for the five school days after such written notice is received.

The CONTRACTOR shall be subject to penalties required by EC section 56366.3, commencing the sixth school day after such notice is provided only if both of the following conditions occur: 1) if it is determined that the individual was an employee of a contracting district, special education local plan area, or county office within the last 365 days and was not involuntarily terminated or laid off as part of necessary staff reductions and 2) if the individual was not terminated prior to the sixth school day after receiving written notice from the LEA, special education local plan, or county office, or did not otherwise stop providing special education and related services, administration or supervision on behalf of CONTRACTOR. If the CONTRACTOR is subject to penalties, the time period for which penalties may be assessed, if required by EC section 56366.3, shall not be retroactive but shall only commence on the sixth school day after the CONTRACTOR received written notice from the LEA as specified in this paragraph. The penalty, if imposed, shall only apply to the salary of the person who was previously employed by an LEA within the last 365 days.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
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SECTION 5: FINANCIAL

5.1 RATE SCHEDULE FOR CONTRACT YEAR

The CONTRACTOR: _____

The CONTRACTOR NUMBER: _____

Education service(s) offered by the CONTRACTOR, and the charges for such service(s) during the term of this contract, shall be as follows:

<u>RELATED SERVICES</u>	<u>RATE</u>	<u>PERIOD</u>
<u>Intensive Individual Services (340)</u>	_____	_____
<u>Individual and Small Group Instruction (Ages 3-5 only) (350)</u>	_____	_____
<u>Language and Speech (415)</u>	_____	_____
<u>Language and Speech (415) - SLP-A (Credentialed)</u>	_____	_____
<u>Language and Speech (415) – Speech Therapy Assistant</u>	_____	_____
<u>Language and Speech (415) – Bilingual SLP</u>	_____	_____
<u>Language and Speech (415) - Assessment</u>	_____	_____
<u>Adapted Physical Education (425)</u>	_____	_____
<u>Adapted Physical Education Assessment (425)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care LVN (435)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care RN (435)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care CRN (435)</u>	_____	_____
<u>Health and Nursing: Other Services LVN (436)</u>	_____	_____
<u>Health and Nursing: Other Services RN (436)</u>	_____	_____
<u>Health and Nursing: Other Services CRN (436)</u>	_____	_____
<u>Health and Nursing: Other Services Health Aide/CNA (436)</u>	_____	_____
<u>Assistive Technology Services – Credentialed (445)</u>	_____	_____
<u>Assistive Technology Services - Classified (445)</u>	_____	_____
<u>Assistive Technology Services Assessment (445)</u>	_____	_____
<u>Occupational Therapy (450)</u>	_____	_____

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

<u>Occupational Therapy (450) – Certified OT Assistant</u>	_____	_____
<u>Occupational Therapy (460) - Assessment</u>	_____	_____
<u>Physical Therapy (460)</u>	_____	_____
<u>Physical Therapy PT Assistant (460)</u>	_____	_____
<u>Physical Therapy Assessment (460)</u>	_____	_____
<u>Individual Counseling (510)</u>	_____	_____
<u>Counseling and Guidance (515)</u>	_____	_____
<u>Parent Counseling (520)</u>	_____	_____
<u>Social Work Services (525)</u>	_____	_____
<u>Psychological Services (530)</u>	_____	_____
<u>Psychological Services Assessment (530)</u>	_____	_____
<u>Behavior Intervention Services (535)</u>	_____	_____
<u>Behavior Intervention Services (535) - Supervision</u>	_____	_____
<u>Behavior Intervention Services (535) – Other Provider/Beh.Tech</u>	_____	_____
<u>Specialized Services for Low Incidence Disabilities (610)</u>	_____	_____
<u>Specialized Services for Low Incidence Disabilities Assess (610)</u>	_____	_____
<u>Specialized Deaf and Hard of Hearing (710)</u>	_____	_____
<u>Specialized Deaf and Hard of Hearing Assessment (710)</u>	_____	_____
<u>Interpreter Services (715)</u>	_____	_____
<u>Interpreter Services Shift Differential (715)</u>	_____	_____
<u>Audiological Services (720)</u>	_____	_____
<u>Audiological Services Assessment (720)</u>	_____	_____
<u>Specialized Vision Services (725)</u>	_____	_____
<u>Specialized Vision Services Assessment (725)</u>	_____	_____
<u>Orientation and Mobility (730)</u>	_____	_____
<u>Orientation and Mobility Assessment (730)</u>	_____	_____
<u>Braille Transcription (735)</u>	_____	_____

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
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2017-2018

<u>Specialized Orthopedic Services (740)</u>	<u></u>	<u></u>
<u>Specialized Orthopedic Services Assessment (740)</u>	<u></u>	<u></u>
<u>Reader Services (745)</u>	<u></u>	<u></u>
<u>Note Taking Services (750)</u>	<u></u>	<u></u>
<u>Transcription Services (755)</u>	<u></u>	<u></u>
<u>Recreation Services, Including Therapeutic (760)</u>	<u></u>	<u></u>
<u>College Awareness Preparation (820)</u>	<u></u>	<u></u>
<u>Vocational Assessment, Counseling/Guidance Assessment (830)</u>	<u></u>	<u></u>
<u>Career Awareness (840)</u>	<u></u>	<u></u>
<u>Work Experience Education (850)</u>	<u></u>	<u></u>
<u>Job Coaching (855)</u>	<u></u>	<u></u>
<u>Mentoring (860)</u>	<u></u>	<u></u>
<u>Agency Linkages (referral and placement) (865)</u>	<u></u>	<u></u>
<u>Travel Training (870)</u>	<u></u>	<u></u>
<u>Other Transition Services (890)</u>	<u></u>	<u></u>
<u>Other (900) Music Therapy</u>	<u></u>	<u></u>
<u>Other (900) Vision Therapy</u>	<u></u>	<u></u>
<u>Transportation – Emergency</u>	<u></u>	<u></u>
<u>Bus Passes</u>	<u></u>	<u></u>
<u>Professional Development</u>	<u></u>	<u></u>

NOTES: _____

*Parent transportation reimbursement rates to be set forth in Individual Services Agreements.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
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SECTION 6: APPROVALS

CONTRACTOR

Nonpublic Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

APPROVED AS TO FORM:

SELPA DIRECTOR

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA

Local Educational Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA Board Approval

DATE: _____

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
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INTERIM WRITTEN APPROVAL

For Provision of Special Education/Related Services and Payment

Pursuant to Section 1.1 of the Master Contract (Main Document),
the Local Education Agency (LEA) _____
provides to the CONTRACTOR _____
interim written approval for CONTRACTOR to provide the agreed upon Special Education and/or Related Services
identified in the most recent IEP/IFSP of _____,
(Student Name)

at the rates set forth in Schools: Section 4.1 of the Master Contract for the 201____ - 201____ Contract
Year.

Anticipated Student Start Date: _____.

This interim written approval shall be for a maximum period of 90 days, beginning with the anticipated student start date at the nonpublic school or nonpublic agency. If an Individual Services Agreement and/or Master Contract is not completed and executed by the LEA and the CONTRACTOR within this 90 day period, the LEA or CONTRACTOR may request an IEP meeting to be held as soon as possible to discuss a change in placement for the pupil. The LEA shall continue to reimburse the CONTRACTOR as set forth in the interim written approval, or as otherwise agreed by the parties in writing, pending any change in placement or subsequent execution of an Individual Services Agreement.

This interim written approval does not require the CONTRACTOR to provide services for 90 days, or for any maximum period of time. The parties have already agreed, or may agree, to hold an IEP meeting within 30 days of the student's first day of attendance.

Agreed to by the District Representative of the Special Education Unit of the LEA:

Signature

Date

Name/Title

Agreed to by the CONTRACTOR:

Signature

Date

Name/Title

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

INDIVIDUAL SERVICES AGREEMENT FOR NONPUBLIC AGENCY SERVICES
(Education Code Sections 56365 et seq.)

This agreement is effective on _____ or the date student begins attending a nonpublic school or receiving services from a nonpublic agency, if after the date identified, and terminates at 5:00 P.M. on June 30, 201_____, unless sooner terminated as provided in the Master Contract and by applicable law.

Local Education Agency _____ Nonpublic Agency _____

LEA Case Manager: Name _____ Phone Number _____

Pupil Name _____ Sex: ☐ M ☐ F Grade: _____
(Last) (First) (M.I.)

Address _____ City _____ State/Zip _____

DOB _____ Residential Setting: ☐ Home ☐ Foster ☐ LCI # _____ ☐ OTHER _____

Parent/Guardian _____ Phone () _____ (Residence) (Business)
Address _____ City _____ State/Zip _____
(If different from student)

AGREEMENT TERMS:

A. DESIGNATED INSTRUCTION AND SERVICES / RELATED SERVICES:

SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPA	OTHER Specify				
Intensive Individual Services (340)							
Individual and Small Group Instruction (Ages 3-5 only) (350)							
Language and Speech (415)							
Language and Speech – SLP-A (Credentialed) (415)							
Language and Speech – Speech Therapy Assistant (415)							
Language and Speech – Bilingual SLP (415)							
Language and Speech – Assessment (415)							
Adapted Physical Ed. (425)							
Adapted Physical Ed. - Assessment (425)							
Health and Nursing: Specialized Physical Health Care - LVN (435)							
Health and Nursing: Specialized Physical Health Care - RN (435)							
Health and Nursing: Specialized Physical Health Care - CRN (435)							
Health and Nursing Services: Other - LVN (436)							

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
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SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPA	OTHER Specify				
Health and Nursing Services: Other - RN (436)							
Health and Nursing Services: Other - CRN (436)							
Health and Nursing Services: Other - Health Aide/CNA (436)							
Assistive Technology Services - Credentialed (445)							
Assistive Technology Services – Classified (445)							
Assistive Technology Services - Assessment (445)							
Occupational Therapy (450)							
Occupational Therapy – Certified OT Assistant (450)							
Occupational Therapy – Assessment (450)							
Physical Therapy (460)							
Physical Therapy - PT Assistant (460)							
Physical Therapy - PT Assessment (460)							
Individual Counseling (510)							
Counseling and Guidance (515)							
Parent Counseling (520)							
Social Work Services (525)							
Psychological Services (530)							
Behavior Intervention Services (535)							
Behavior Intervention Services - Supervision (535)							
Behavior Intervention Services – Other Provider (535)							
Specialized Services for Low Incidence Disabilities (610)							
Specialized Services for Low Incidence Disabilities – Assessment (610)							
Specialized Deaf and Hard of Hearing Services (710)							
Specialized Deaf and Hard of Hearing Services – Assessment (710)							

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SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPA	OTHER Specify				
Interpreter Services (715)							
Interpreter Services – Shift Differential (715)							
Audiological Services (720)							
Audiological Services Assessment (720)							
Specialized Vision Services (725)							
Specialized Vision Services Assessment (725)							
Orientation and Mobility (730)							
Orientation and Mobility Assessment (730)							
Braille Transcription (735)							
Specialized Orthopedic Service (740)							
Specialized Orthopedic Service Assessment (740)							
Reader Services (745)							
Note Taking Services (750)							
Transcription Services (755)							
Recreation Services, Including Therapeutic (760)							
College Awareness Preparation (820)							
Vocational Assessment, Counseling, Guidance and Career Assessment (830)							
Career Awareness (840)							
Work Experience Education (850)							
Job Coaching (855)							
Mentoring (860)							
Agency Linkages (referral and placement) (865)							

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPA	OTHER Specify				
Travel Training (870)							
Other Transition Services (890)							
Other (900) Music Therapy							
Other (900) Vision Therapy							
Transportation-Emergency							
Bus Passes							
Professional Development							

ESTIMATED MAXIMUM RELATED SERVICES COST (A)\$ _____

1. Other Provisions/Attachments:

MASTER CONTRACT APPROVED BY THE GOVERNING BOARD ON _____

INDIVIDUAL SERVICES AGREEMENT APPROVED BY CASE MANAGER:

 (Signature)

 (Date)

The parties hereto have executed this Individual Services Agreement by and through their duly authorized agents or representatives as set forth below.

-CONTRACTOR-

-DISTRICT-

 (Name of Nonpublic Agency)

 (Name of School District)

 (Signature)

(Date)

 (Signature)

(Date)

 (Name and Title)

 (Name of Superintendent or Authorized Designee)



June 26, 2017

Board Item - G.-4.

Issue:

Contracts with Residential Treatment Centers.

Superintendent's Recommendation:

Approve contracts for payment of room and board costs (inclusive of Educationally Related Mental Health Services & Tuition) for students requiring Residential Treatment Center placement as outlined in their Individualized Education Programs for the 2017-2018 school year.

Analysis:

This is a required service of all member districts of the South County SELPA. Commencing with the 2010-2011 school year, Local Education Agencies became responsible for the provision of mental health services, including Residential Treatment Center (RTC) costs, for students with disabilities who require them according to their Individualized Education Programs (IEPs). Federal IDEA law mandates that LEAs implement all services, including RTC placement, pursuant to students' IEPs. *The Board is approving a total of three items related to the provision of mental health services: Outpatient counseling, day treatment, and residential treatment.*

The district will develop individual contracts with the following RTCs as indicated: Cathedral Home for Children, Cinnamon Hills Youth Crisis Center, Copper Hills Youth Center, Devereux Treatment Centers, Discovery Academy Excelsior Youth Centers, Fred Finch Youth Center, Heritage School, Morning Sky Residential School, New Alternatives, Inc., New Haven Youth and Family Services, North Valley School (Eagle Valley Campus, Perris/San Bernardino Campus, Redding Campus), Oak Grove Institute, Provo Canyon School, San Diego Center for Children, Shiloh Treatment Center, Victor Treatment Center, and Yellowstone Boys and Girls Ranch. All of the above RTCs have been screened and are monitored on an ongoing basis by mental health staff employed by the San Diego County Office of Education.

For questions regarding this board item, please contact Ana Maria Alvarez at (619) 691-5546 or ana.alvarez@sweetwaterschools.org.

Fiscal Impact:

Expenditure of \$1,700,000, to be paid from designated mental health services budget lines, Resource Code: 6512 and Resource Code: 3327.

ATTACHMENTS:

Description	Type
SDC Nonpublic Master Contract	Backup Material
Nonpublic MC Appendix A	Backup Material
Nonpublic MC C: Room & Board	Backup Material

LEA: _____ Nonpublic: _____

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Directions:

- Main document **must** be completed for every Nonpublic School/Agency or Room & Board Contract.
- Complete and attach Appendices A: School, B: Agency, C: Room & Board as appropriate.



San Diego County Office of Education
Student Services and Programs Division
Special Education Department

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APPENDIX B: AGENCIES

APPENDIX C: ROOM AND BOARD

Directions:

- *Main document **must** be completed for every Nonpublic School/Agency or Room & Board Contract*
- *Complete and attach Appendices A: School, B: Agency, C: Room & Board as appropriate.*

LEA: _____ Nonpublic: _____

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NONPUBLIC
MASTER CONTRACT

CONTRACT YEAR _____

This Master Contract is made and entered into

this _____ day of _____, 20____ between the

_____, County of San Diego,
(Local Education Agency)

hereinafter sometimes referred to as the "LEA," and

(Nonpublic,)

hereinafter referred to as "CONTRACTOR."

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SECTION 1: AUTHORIZATION FOR MASTER CONTRACT AND GENERAL PROVISIONS

1.1 MASTER CONTRACT

For the purpose of providing special education and related services to individuals with exceptional needs under the authorization of Education Code sections 56157, 56361, and 56365-56366.5 the Master Contract consists of (the Main Document and Master Contract Appendices A (Schools), B (Agencies), C (Room & Board)). The general term "Master Contract" refers to the Master Contract /Main Document/ and Master Contract /Appendices A (Schools), B (Agencies), and C (Room and Board) given to the CONTRACTOR by a representative of the LEA's Special Education Unit on terms acceptable to the LEA and CONTRACTOR.¹ It is also understood that this contract does not commit the CONTRACTOR to provide special education and related services to any individual unless and until an Individual Services Agreement is executed between the LEA and the CONTRACTOR on behalf of such individual or interim written approval is given to the CONTRACTOR by an authorized representative of the LEA's Special Education Unit. This interim written approval shall be for a maximum period of 90 days, beginning with the anticipated student start date, during which time the contract and/or Individual Services Agreement shall be completed and executed by the LEA and CONTRACTOR. If an Individual Services Agreement is not completed and executed by the LEA and the CONTRACTOR within this ninety-day period, the LEA or CONTRACTOR may request an IEP meeting to be held as soon as possible to discuss a change in placement for the pupil. The LEA shall continue to reimburse the CONTRACTOR as set forth in the interim written approval, or as otherwise agreed by the parties in writing, pending any change in placement or subsequent execution of an Individual Services Agreement.

1.2 SUPERSEDES PRIOR CONTRACTS

This Master Contract includes the Main Document, Appendix A (Schools), Appendix B (Agencies), Appendix C (Room and Board), to the extent that they are applicable, and each ISA, all of which are incorporated herein by this reference and any exhibits or attachments hereto constitute the entire agreement between the parties to this contract and supersedes any prior contract, understanding, or agreement with respect to the terms set forth in this contract.

1.3 MODIFICATIONS AND AMENDMENTS

The LEA and CONTRACTOR agree that any amendments to the contract must be in writing and approved by the LEA's Governing Board and the Board of Directors/Trustees or authorized representative of CONTRACTOR. Prior to executing a written amendment to the contract, the LEA shall obtain approval from the San Diego County SELPA Directors and the County Director of Special Education. In implementing this Master Contract, any specific terms related to an individual pupil shall be reflected in the Individual Services Agreement.

1.4 INDIVIDUAL SERVICES AGREEMENT

The LEA and CONTRACTOR shall enter into an Individual Services Agreement for each pupil who is to receive special education and/or related services provided by the CONTRACTOR. The LEA is responsible for completing each pupil's Individual Services Agreement, which shall identify the provider of each service required by the pupil's Individualized Education Program (IEP) or Individualized Family Service Plan (IFSP) (CCR 3062(e)). Individual Services Agreements shall only be issued for those pupils enrolled with the approval of the LEA. Changes in any LEA pupil's educational program, including instruction, services, or instructional setting provided under this contract, may only be made on the basis of revisions to the pupil's IEP or IFSP. At any time during the term of this contract, the parent, the CONTRACTOR or LEA may request a review of the pupil's IEP/IFSP, subject to all procedural safeguards required by law, including notice given to and participation by the CONTRACTOR in the IEP Team meeting. In the event that the CONTRACTOR recommends that the pupil requires either a lesser or more restrictive placement than the CONTRACTOR can provide, the CONTRACTOR will notify the LEA immediately. The LEA shall expedite the review and/or the resulting change in placement, and shall modify the Individual Services Agreement as appropriate if there is a change in the instructional and/or other services provided.

¹ Please see Appendix B for Agencies for exceptions to NPA Hired as Full Time Equivalent.

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1.5 NONPUBLIC CERTIFICATION OR WAIVER

A current copy of the CONTRACTOR'S California Department of Education Nonpublic Certification or waiver of such certification issued by CDE pursuant to EC 56366.2 is attached hereto. This Master Contract shall be null and void if such certification is expired, revoked, rescinded, or otherwise nullified during the effective period of this contract.

1.6 TERM OF MASTER CONTRACT

Neither the CONTRACTOR nor the LEA is required to renew this contract in subsequent contract years. In the event that a pupil is enrolled with the CONTRACTOR during the term of this contract and said pupil continues to receive special education and/or related services by the CONTRACTOR as approved by the LEA in accordance with the pupil's IEP/IFSP and either (a) a new contract has not been fully executed or (b) the CONTRACTOR or the LEA chooses not to renew this contract, the terms of this contract and associated Individual Service Agreements shall apply to any and all special education and/or related services provided by CONTRACTOR and payment for those services by the LEA.

Upon agreement of both parties to this Master Contract, its provisions shall be retroactive to the beginning of this contract year (July 1st), to cover services provided by the CONTRACTOR to LEA students, unless otherwise mutually agreed upon by both parties.

The term of this Master Contract shall be from _____, 20 _____ to _____, 20 _____.

Any subsequent Master Contract is to be renegotiated prior to June 30 of each year.

This Master Contract has no force or effect until approved or ratified by the LEA's Governing Board.

1.7 COMPLIANCE WITH APPLICABLE FEDERAL AND STATE LAWS

During the term of this contract, the CONTRACTOR and LEA shall comply with all applicable federal and state laws and regulations relating to the required special education and designated instruction and services and facilities for individuals with exceptional needs, including those not expressly documented in this Master Contract.

a. Nondiscrimination

The CONTRACTOR and the LEA shall not discriminate on the basis of race, religion, sex, national origin, age, sexual orientation disability or any other classification protected by federal or state laws in employment or operation of its programs.

b. Sexual Harassment Policy

The CONTRACTOR shall have a written policy on sexual harassment in accordance with state and federal regulations and guidelines.

c. Corporal Punishment Prohibitions

(l) No public education agency, or nonpublic school or agency serving individuals pursuant to Education Code Section 56365 et seq., may authorize, order, consent to, or pay for any of the following interventions, or any other interventions similar to or like the following:

- (1) Any intervention that is designed to, or likely to, cause physical pain;
- (2) Releasing noxious, toxic or otherwise unpleasant sprays, mists, or substances in proximity to the individual's face;
- (3) Any intervention which denies adequate sleep, food, water, shelter, bedding, physical comfort, or access to bathroom facilities;
- (4) Any intervention which is designed to subject, used to subject, or likely to subject the individual to verbal abuse, ridicule or humiliation, or which can be expected to cause excessive emotional trauma;
- (5) Restrictive interventions which employ a device or material or objects that simultaneously immobilize all four extremities, including the procedure known as prone containment, except that prone containment or similar techniques may be used by

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trained personnel as a limited emergency intervention pursuant to subsection (i) of Ed Code Section 56521.2 (a) (5)
(6) Locked seclusion, except pursuant to subsection (i)(4)(A) of Ed Code Section 56521.2 (a) (6)
(7) Any intervention that precludes adequate supervision of the individual; and
(8) Any intervention which deprives the individual of one or more of his or her senses.

d. Student Discipline

Contractor shall maintain and abide by a written policy for student discipline that is consistent with state and federal law and regulations, such that students who exhibit serious behavioral challenges receive timely and appropriate assessments and positive supports and interventions in accordance with the federal Individuals with Disabilities Education Act and its implementing regulations.

When a CONTRACTOR seeks to remove a student from his/her current educational placement for disciplinary reasons, CONTRACTOR shall immediately submit a written discipline report to the LEA and a manifestation IEP team meeting shall be scheduled by the LEA. Written discipline reports shall include, but not be limited to: the student's name; the time, date, and description of the misconduct; the disciplinary action taken by CONTRACTOR; and the rationale for such disciplinary action. A copy of the student's behavioral plan, if any, shall be submitted with the written discipline report. CONTRACTOR and LEA agree to participate in a manifestation determination at an IEP meeting no later than the tenth (10th) day of suspension.

e. Behavioral Emergency Reports (Ed. 56521.1(a))

(1) Anytime an emergency intervention is used pursuant to Ed Code Section 56521.1(a) subsection (i), CONTRACTOR must notify LEA and IEP team immediately and document emergency intervention in a "Behavioral Emergency Report" as defined by 56521.1(e).

(2) Whenever a "Behavioral Emergency Report" is written regarding an individual who does not have a behavioral intervention plan, the designated responsible administrator shall, within two days, schedule an IEP team meeting to review the emergency report, to determine the necessity for a functional behavioral assessment, and to determine the necessity for an interim behavioral intervention plan.

(3) Anytime a "Behavioral Emergency Report" is written regarding an individual who has a behavioral intervention plan, any incident involving a previously unseen serious behavior problem or where a previously designed intervention is not effective should be referred to the IEP team to review and determine if the incident constitutes a need to modify the plan.

(4) "Behavioral Emergency Report" data shall be collected by CONTRACTOR and be submitted to LEA.

(5) A summary of Behavioral Emergency Reports shall be submitted at least monthly to the LEA and the Director of the Special Education Local Plan Area of which the LEA is a member.

1.8 DEFINITIONS

"DAYS": For the purpose of the contract, "days" refers to calendar days unless otherwise specified.

"PARENT": For the purpose of the contract, a parent (34CFR 300.3Da) is the natural parent, adoptive parent, or legal guardian or any other adult granted educational decision-making rights by the natural or adoptive parent or a court of competent jurisdiction. A trained, certified surrogate parent, identified by the LEA, may act on behalf of the pupil if no parent, guardian or person acting as a parent can be located. The LEA shall be responsible for providing a translator for the parent if needed.

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SECTION 2: ADMINISTRATION OF CONTRACT

2.1 NOTICES

Notices provided for by this contract shall be in writing, be delivered to the individual identified below in this section, and shall be delivered by certified, registered, or return receipt requested mail, postage prepaid, or by facsimile transmission, unless a specific section of this contract requires or allows notice or contact to be made in a different manner or to a different individual. The effective date of an invoice shall be the date of its receipt by the LEA. The effective date of all other notices shall be the date of the postmark or of the facsimile transmittal date identified in the document. In the event there is a change in the individual to be notified, the CONTRACTOR or the LEA shall provide written notice of the change and, after such notice is provided, all future notices shall be addressed to that individual. Notice may be provided under this section pursuant to regular United States mail if the LEA and CONTRACTOR agree in writing to notice by regular United States mail. If the LEA or CONTRACTOR does not identify an individual to be notified in this section, the person to be notified under this section shall be the LEA or CONTRACTOR representative that executes this contract.

Notices mailed to the LEA shall
be addressed to:

Name/Title

Local Education Agency

Address

City State Zip

()

Phone

()

Facsimile

Email Address

Notices to the CONTRACTOR shall
be addressed to:

Name/Title

Nonpublic School

Address

City State Zip

()

Phone

()

Facsimile

Email Address

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2.2 INDEPENDENT CONTRACTOR STATUS

This contract is by and between two independent contractors and is not intended to and shall not be construed to create the relationship of agent, servant, employee, partnership, joint venture or association.

2.3 SUBCONTRACT AND ASSIGNMENT

The CONTRACTOR shall not enter into an initial subcontract with any noncertified Nonpublic Agency (NPA) or provider, for any of the instructional or related services contemplated under this contract without first obtaining written approval by a representative of the San Diego County Office of Education (i.e. County Director of Special Education or a SELPA Director). Such approval shall not be unreasonably withheld. The LEA and CONTRACTOR shall maintain a copy of the written approval.

2.4 INDEMNIFICATION

The CONTRACTOR hereby indemnifies, defends, and holds harmless the LEA, its Board, officers, employees, agents, independent contractors, consultants and other representatives from and against any and all liabilities, claims, demands, costs, losses, damages, or expenses, including reasonable attorneys' fees and costs, and including but not limited to consequential damages, loss of use, extra expense, cost of temporary classrooms, that arise out of or result from, in whole or in part, the negligent, wrongful or willful acts or omissions of the CONTRACTOR, its employees, agents, subcontractors, independent contractors, consultants, or other representatives.

The LEA hereby indemnifies, defends, and holds harmless the CONTRACTOR, its Board, officers, employees, agents, independent contractors, consultants and other representatives from and against any and all liabilities, claims, demands, costs, losses, damages, or expenses, including reasonable attorneys' fees and costs, and including but not limited to consequential damages, loss of use, extra expense, cost of temporary classrooms, that arise out of or result from, in whole or in part, the negligent, wrongful or willful acts or omissions of the LEA, its employees, agents, subcontractors, independent contractors, consultants, or other representatives.

The CONTRACTOR shall have no obligation to indemnify, defend, or hold harmless the LEA, its Board, officers, employees, agents, independent contractors, consultants, and other representatives for the LEA's sole negligence or willful misconduct; and the LEA shall have no obligation to indemnify, defend, or hold harmless the CONTRACTOR, its Board, officers, employees, agents, independent contractors, consultants and other representatives for the CONTRACTOR'S sole negligence or willful misconduct. This indemnity shall survive the termination of the Contract or final payment hereunder, and is in addition to any other rights or remedies that the CONTRACTOR or LEA may have under the law or this contract.

2.5 INSURANCE

During the entire term of this contract and any extension or modification thereof, the CONTRACTOR shall keep in effect a policy or policies of general liability insurance, including contractual liability coverage, professional liability, and auto liability coverage of owned and non-owned vehicles used by CONTRACTOR in relation to the performance of service(s) under this Master Contract, with minimum limits of one million dollars (\$1,000,000) per occurrence, and three million dollars (\$3,000,000) in aggregate. Such insurance shall name LEA as an additional insured, and an endorsement evidencing such coverage shall be provided within 90 days, only as to matters arising out of this Master Contract for which CONTRACTOR has an obligation to indemnify the LEA, under the Indemnification clause, Section 2.6, of this Master Contract.

Not later than the effective date of this contract, the CONTRACTOR shall provide the LEA with satisfactory evidence of insurance. The insurance maintained by CONTRACTOR shall include a provision for the insurance provider to send written notice of cancellation or modification to the CONTRACTOR at least 30 calendar days before cancellation or adverse material change, or 10 days for nonpayment of premium. Such CONTRACTOR'S insurance may contain the same notice requirement for the LEA. If the insurance provider is only required to send such notice to the CONTRACTOR (but not the LEA) CONTRACTOR shall provide the LEA written notice of cancellation or adverse material modification within one business day after receiving such notice from the insurer. Such notice shall be provided pursuant to Section 2.3 (Notices) of this contract. The CONTRACTOR shall at its own cost and expense procure and maintain insurance under the applicable state's Workers' Compensation laws. Failure to maintain the above mentioned insurance coverage shall be cause for termination of this contract.

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LEA warrants that it is self-insured in compliance with the laws of the State of California, that the self insurance covers persons acting on its behalf or under its control, that its self insurance covers LEA's indemnification obligations to CONTRACTOR under this contract, and that LEA agrees to provide coverage to CONTRACTOR pursuant to this self insurance in the event the indemnification obligations of Section 2.6 of this contract are triggered. The LEA further warrants that it shall notify the CONTRACTOR pursuant to Section 2.3 (Notices) of this contract, of any material insurance coverage changes at least thirty days prior to the change.

CONTRACTOR agrees that any subcontractor with which it contracts to provide services pursuant to any Individual Services Agreement, shall submit written proof of insurance in a minimum amount of \$1,000,000 per occurrence, including general, liability, auto liability (if applicable), and professional liability (if applicable). Such insurance shall be maintained by any subcontractor for the scope of duties performed and duration of time it provides services to LEA pupils. Proof of insurance shall be provided to the LEA prior to the beginning of transportation services by a subcontractor, and upon renewal of coverage thereafter. Transportation subcontractors shall submit copies of insurance policies upon request of the LEA; otherwise, certificates of insurance may be acceptable proof, provided that the information thereon is adequate and verifiable. Subcontractors shall be required to provide to the CONTRACTOR written notice of cancellation of insurance or adverse material change in such insurance at least 30 days prior to cancellation or adverse material change or within one business day after receiving such notice, whichever is earlier.

2.6 TRANSPORTATION

Transportation costs are the responsibility of the LEA unless otherwise agreed to in writing. The CONTRACTOR shall provide each pupil whom the CONTRACTOR transports with adequate supervision during transports and with instruction in school bus emergency procedures and passenger safety, as appropriate to the pupil's needs. The CONTRACTOR shall have in place a transportation safety plan containing procedures for school personnel to follow to ensure the safe transport of pupils.

In the event the CONTRACTOR transports students due to health, behavior, or other emergencies, or as otherwise agreed to between the CONTRACTOR and the LEA, the LEA shall reimburse CONTRACTOR at the rate specified in this Master Contract (Rate Schedule - Schools: Section 4.1, Agencies: Section 5.1).

2.7 WAIVERS

The LEA and/or CONTRACTOR may independently or jointly submit waivers of applicable state laws and regulations.

2.8 SUCCESSORS IN INTEREST

This contract binds the CONTRACTOR's successors and assignees. CONTRACTOR shall not assign this Master Contract without the written consent of LEA, and any attempt by Contractor to effect such an assignment without the written consent of LEA shall make this Master Contract terminable at the option of the LEA.

2.9 SEVERABILITY

If any provision or portion of a provision of this contract is held in whole or in part to be unenforceable for any reason, the remainder of the provision and of the entire contract shall be severable and shall remain in effect.

2.10 CONFLICTS OF INTEREST

a. The CONTRACTOR agrees to furnish to the LEA a copy of its current bylaws and a current list of its Governing Board of Directors (or Trustees), if it is incorporated. LEA has the right to request a current list of the Board of Directors or Trustees at any time during the term of the Master Contract.

b. CONTRACTOR and members of its Board of Directors (or Trustees) shall disclose any relationship with LEA that constitutes or may constitute a conflict of interest including, but not limited to, employment with LEA, provisions of private party assessments and/or reports, and attendance at the IEP team meetings and/or due process proceedings.

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c. Anytime the CONTRACTOR is contracted to conduct a formal Independent Educational Evaluation (IEE), and the IEP team determines that services are necessary as a result of that IEE the LEA shall be obligated to select a service provider who is not the CONTRACTOR. Unless, a service provider who is not the CONTRACTOR is unavailable or unable to provide that service.

2.11 INABILITY TO MEET CONTRACT REQUIREMENTS

The CONTRACTOR shall notify the LEA in writing when the CONTRACTOR is unable to meet the requirements of this contract. The LEA shall notify CONTRACTOR in writing when the LEA is unable to meet the requirements of this contract.

2.12 DISPUTE RESOLUTION

Disagreements concerning the meaning, requirements or performance of this contract shall first be brought to the attention of the other party in writing, pursuant to the notice provisions (Section 2.3) of this contract, in an attempt to resolve the dispute at the lowest level. Any remaining disputes or disagreements may be resolved either 1) as voluntarily agreed to by the parties, 2) by equitable remedies, or 3) by other legal means.

2.13 DUE PROCESS AND COMPLAINT PROCEDURES

CONTRACTOR and LEA shall comply with all applicable federal and state laws and regulations related to Due Process and the rights of students and parents.

CONTRACTOR agrees to maintain policies and procedures as follows: (1) Uniform Complaint Procedures pursuant to Title 5 of the California Code of Regulations section 4600 *et seq.*; (2) Nondiscrimination policy pursuant to Title 5 of the California Code of Regulations section 4960 (a); (3) Sexual Harassment Policy, California Education Code 231.5 (a) (b) (c); (4) Title IX Student Grievance Procedure, Title IX 106.8 (a) (d) and 106.9 (a); and (5) Notice of Privacy Practices in compliance with Health Insurance Portability and Accountability Act (HIPAA).

2.14 VENUE AND GOVERNING LAW

This contract, and conditions of this contract, shall be governed by the laws of the State of California with venue in San Diego County, California.

2.15 RIGHT TO REPORT MASTER CONTRACT VIOLATIONS

The CONTRACTOR acknowledges and understands that the LEA may report to the CDE any violations of the provisions of this contract; and that may result in the suspension of the CDE nonpublic school certification pursuant to California EC section 56366.4(a).

2.16 TERMINATION OF MASTER CONTRACT AND/OR INDIVIDUAL SERVICES AGREEMENT

a. Master Contract

Either the LEA or the CONTRACTOR may terminate this Master Contract for cause as set forth in EC section 56366(a)(4), with twenty (20) days written notice pursuant to Section 2.3 of this contract, or immediately if the CONTRACTOR and LEA mutually agree that there are significant health or safety concerns. Cause shall include but not be limited to non maintenance of current nonpublic school certification, failure of either the LEA or the CONTRACTOR to maintain the standards required under the Master Contract and/or Individual Services Agreement, or material breach of the contract by CONTRACTOR or LEA. To terminate the contract either party shall give a minimum of 20 days written notice pursuant to the provisions of Section 2.3 (Notices) of this contract. Upon termination, the LEA shall pay within 45 days, without duplication, for all services performed and expenses incurred to date of termination according to the provisions set forth in Schools Document Section 4.1, Agencies Document Section 5.1 (Rate Schedule) and Main Document Section 4.1 (Billing and Payment) of this contract. CONTRACTOR shall provide to the LEA the IEP/IFSP and all related documents in its possession or under its control pertaining to its services,

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for all pupils of the LEA who were receiving services from the CONTRACTOR in accordance with applicable state and federal laws regarding student records.

b. Individual Services Agreement

The Individual Services Agreement may be terminated or suspended by the LEA or the CONTRACTOR for cause, as set forth in EC section 56366(a)(4), with twenty (20) days written notice pursuant to Section 2.3 (Notices) of this contract, or immediately if the CONTRACTOR and the LEA mutually agree that there are significant health or safety concerns.

Individual Services Agreements are null and void upon termination of the Master Contract.

The LEA shall not terminate Individual Services Agreements because of the availability of a public class initiated during the course of the contract unless the parent agrees to the transfer of a pupil to a public school program, which agreement must only be given in a duly called and held IEP/IFSP meeting at which the CONTRACTOR is present.

2.17 INDIVIDUALIZED EDUCATION PROGRAM (IEP) / INDIVIDUALIZED FAMILY SERVICE PLAN (IFSP)

When a pupil is accepted for enrollment in a nonpublic school, the CONTRACTOR shall provide the pupil a program of educational instruction and services within the nonpublic school, which is consistent with his or her IEP/IFSP as specified in each pupil's Individual Services Agreement.

The CONTRACTOR shall implement those responsibilities delegated to CONTRACTOR in the plan for transition services (per EC section 56445 and EC section 56462) as stated by the IEP/IFSP.

The CONTRACTOR shall provide an appropriate adult to pupil ratio for pupils with exceptional needs between three and five years of age, in accordance with EC 56441.5.

The LEA shall invite the CONTRACTOR and the CONTRACTOR shall participate in all IEP/IFSP meetings, including those related to placement and those called by the parent in accordance with EC section 56343.5, so long as the pupil is to be served by the CONTRACTOR pursuant to an Individual Services Agreement. The child's present teacher shall participate in the IEP meeting in accordance with EC 56341(b)(3). Every effort shall be made to schedule the meeting at a time and place that is mutually convenient to parents, CONTRACTOR's staff, and LEA's staff.

The local educational agency shall oversee and evaluate the pupil's placement in the NPS through the IEP process. The IEP team shall evaluate whether the pupil is making appropriate educational progress through a review of the student's progress toward IEP goals and, as appropriate, a review of the pupil's scores on state assessments. If the NPS staff or LEA will be making recommendation(s) for significant changes to the student's program, placement or services, the LEA Case Manager and representative of the NPS shall discuss the recommendation(s) prior to the IEP meeting. The IEP team will consider whether or not the needs of the pupil continue to be best met at the nonpublic school, whether changes to the pupil's IEP are necessary, and whether the pupil may be transitioned to a public school setting (EC 56366(a)(2)(B), EC 56343(d), EC 56043(h)). Partial day attendance at the NPS may be appropriate to support transition to a public school program.

2.18 FREE APPROPRIATE PUBLIC EDUCATION

No charge of any kind to parents shall be made by the CONTRACTOR for educational activities and related services specified on the pupil's IEP/IFSP, including screening or interviews which occur prior to or as a condition of a pupil's enrollment under the terms of the contract, except as specified in writing in a due process procedure that is signed by all relevant parties and attached to the relevant pupil's Individual Services Agreement, or for voluntary extracurricular activities conducted subsequent to written notification to parents as to the cost and the voluntary and extracurricular nature of the activity. Unless the activity (for example, field trips) takes place during a school vacation or holiday, pupils not participating in such activities shall continue to receive special education and/or related services as set forth in their IEP/IFSPs.

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2.19 TRANSITION TO A LRE

CONTRACTOR & LEA shall support Least Restrictive Environment options, including dual enrollment, if appropriate, for students enrolled in NPS to have access to the general curriculum and to be education with nondisabled peers to the maximum extent appropriate.

CONTRACTOR & LEA shall address LRE placement options for students enrolled in NPS at all IEP team meetings, including whether the students may be transitioned to a public school setting.

When an IEP team has determined that a student should be transitioned into the public school setting, CONTRACTOR shall assist the LEA in implementing the IEP team's recommendations activities to support the transition.

2.20 PUPIL PROGRESS

The CONTRACTOR shall have written procedures in place for measuring progress utilizing on-going data collection in the goal areas identified on the IEP/IFSP.

The CONTRACTOR shall provide to parents and the LEA case manager written pupil progress reports on the goals in the IEP/IFSP, no less than quarterly. The CONTRACTOR shall submit an updated report if there is no current progress report when pupils are scheduled for a review by the IEP/IFSP team or when a pupil's enrollment is terminated.

The CONTRACTOR shall allow periodic review of each pupil's instructional program by the LEA. Representatives of the LEA shall have reasonable access to observe each pupil at work, observe the instructional setting, meet with the CONTRACTOR and review each pupil's progress, including the behavioral intervention plan, if any. LEA representatives making site visits shall initially report to the CONTRACTOR's site administrative office.

2.21 ASSESSMENTS

a. Individual Student Assessments

If the CONTRACTOR receives a parent request for evaluation, the CONTRACTOR shall inform the parent of his or her ability to submit a written request for evaluation to the LEA in accordance with applicable law. The LEA shall collaborate with the CONTRACTOR to develop the evaluation plan and submit it to the parent for approval. The LEA retains the responsibility for conducting triennial evaluations (EC 56381(c)).

2.22 CONFIDENTIALITY OF RECORDS

All reports, records and other documents that CONTRACTOR is required to submit to LEA, the Special Education Local Plan Area, or otherwise, pursuant to this contract, shall be redacted to the extent necessary and appropriate to protect the confidentiality and privacy of pupils, employees, and subcontractors, as provided for pursuant to state and federal law.

2.23 FORWARDING OF EDUCATIONAL RECORDS

The CONTRACTOR agrees, in the event of school closure, to immediately forward pupil records to the LEA pertaining to the LEA's pupils enrolled in CONTRACTOR's educational program. These records shall include, but need not be limited to, current transcripts, IEP/IFSPs and results of performance testing.

2.24 DATA REPORTING

CONTRACTOR agrees to provide LEA with all student information required for LEA to report to the California Longitudinal Pupil Achievement Data System (CALPADS) as well as other data as required by Every Student Succeeds Act (ESSA) or any federal data reporting requirements, including, but not limited to, data required to calculate enrollment and dropout and graduation rates.

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SECTION 3: PERSONNEL

3.1 VERIFICATION OF CREDENTIALS, LICENSES AND OTHER QUALIFICATIONS

The CONTRACTOR shall provide all contracted special education, and/or related services required by the IEP/IFSP, Master Contract and Individual Services Agreement by appropriately qualified staff. The CONTRACTOR shall provide appropriately credentialed teachers and/or licensed or license-eligible personnel or other education related mental health provider consistent with the California laws and regulations unless the California Department of Education has granted a written waiver. The CONTRACTOR shall be responsible for monitoring the status of waiver applications submitted to the state for all non-credentialed teachers and non-licensed service providers. All non-credentialed teachers and non-licensed service providers shall apply for a waiver.

For a NPSs A-G course credits, only University of California A-G approved courses will be accepted by contracting districts.

The CONTRACTOR shall be responsible for verification of credentials and licenses held by its employees, agents and subcontractors. Once the CONTRACTOR has provided the LEA with a copy of the credential or license for all staff providing services to children with disabilities, the CONTRACTOR shall supply the LEA with copies of any changes in the credentials or licenses of staff within 45 days of the change in accordance with Title 5, Section 3062.

The CONTRACTOR is fiscally responsible for all training necessary to provide appropriate services per IEP/IFSP. The LEA shall not reimburse CONTRACTOR for training that occurs outside of contact time with student, and that is not during implementation of IEP/IFSP.

Where behavior intervention services are provided by a nonpublic agency, the CONTRACTOR shall train staff in implementing the behavior support plan or Behavior Intervention Plan and pupils shall receive the level of supervision required in the pupil's IEP/IFSP.

The CONTRACTOR shall comply with all laws and regulations governing the licensed professions, including the provisions with respect to supervision.

3.2 EMPLOYEE FINGERPRINTS AND TUBERCULOSIS TESTING

The CONTRACTOR shall ensure that employee fingerprints have been processed in a manner required by EC section 44237. The CONTRACTOR shall maintain a file containing a current certificate of each person covered by Health and Safety Code Sections 121525-121555 (tuberculosis testing). In addition, contractor will adhere to all of the requirements under AB 389.

3.3 QUALIFICATIONS OF INSTRUCTIONAL AIDES AND TEACHER ASSISTANTS

Effective July 1, 2001 the CONTRACTOR shall ensure that newly hired instructional aides and teacher assistants have demonstrated proficiency in basic reading, writing, and mathematics skills, based on a test selected and administered by the CONTRACTOR.

3.4 REQUIREMENT TO REPORT

a. Child Abuse or Molestation

The CONTRACTOR shall maintain a signed statement by all personnel required to sign such a statement under the child abuse reporting laws, acknowledging their training and understanding of the reporting requirements regarding observed or suspected cases of child abuse. When filing a child abuse report under the Child Abuse Reporting laws, the CONTRACTOR shall include in the report the name, telephone number and address of the LEA representative as identified in Section 2.3 (Notices) of this contract.

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b. Missing Students

The CONTRACTOR shall ensure that staff is aware of its responsibility and requirement to report to parents, and local law enforcement as appropriate, when a pupil leaves campus without permission, immediately upon confirmation that the pupil is missing, in accordance with EC 49370. The CONTRACTOR shall contact the LEA Case Manager by telephone no later than the end of the day in the event a pupil leaves campus without permission, does not return that school day, and is not located at his or her residence or in the custody of his or her parent or guardian.

c. Student Injury

The CONTRACTOR agrees to complete a written report when a pupil has suffered an injury that requires medical attention, and notify the LEA case manager within 48 hours.

In case of incident, the CONTRACTOR agrees to submit a written report to the LEA case manager by the end of the following school day, in cases of injury resulting from physical restraint or the death of a student. The CONTRACTOR agrees to reasonably participate in any communications between a pupil's parents and the LEA regarding any injuries resulting from physical restraint.

SECTION 4: FISCAL

4.1 BILLING AND PAYMENT

a. Invoices

The CONTRACTOR shall submit invoices monthly. The effective date of an invoice shall be the date of the receipt by the LEA. Invoices should clearly reflect rates as specified in the Master Contract, be in accordance with the Individual Services Agreements, and include all days of creditable service, beginning no earlier than the date specified in the Interim Written Approval or ISA. The CONTRACTOR shall submit said invoice for services rendered no later than thirty (30) days from the end of the attendance accounting period calendar month in which said services are actually provided and the invoice shall be submitted pursuant to Section 2.3 (Notices) of this contract. All education related mental health services will be billed by contractor in separate invoice.

b. Late Invoices

If the LEA does not receive a properly submitted invoice within thirty (30) days from the end of the attendance accounting period calendar month, the LEA may deduct 1.5% per month, calculated proportionately per day, of that total invoice, if the LEA does not agree to the request of the CONTRACTOR to an extension of time to submit the invoice.

c. Payment

The LEA shall make payment within forty-five (45) days of receipt of a properly prepared and submitted invoice and such payment shall be submitted pursuant to Section 2.3 (Notices) of this contract. This payment shall be at the rates agreed to in the Rate Schedule (See Appendix A for Schools, B for Agencies, and C for Room and Board) of this contract and shall be in an amount equal to the number of creditable days of attendance during both the regular and extended school years, make-up sessions (including "excused" absences) per the individual services agreement for each pupil. This calculation shall include the Extended School Year if the pupil is enrolled in the Extended School Year, and any other absence for which the LEA has agreed to pay CONTRACTOR and any related services and transportation costs as specified in the Rate Schedule (See Appendix A for Schools, B for Agencies, and C for Room and Board) of this contract and in accordance with the Individual Services Agreements. If no notice of withholding is provided to CONTRACTOR within 10 working days of receipt of an invoice, the LEA shall not withhold any payment. Payment by the LEA shall refer to the invoice number or the date of the bill submitted by the CONTRACTOR.

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d. Pupil Enrolled Prior to Approval of Agreement to a Contract

Ed Code addresses situations when a contract has not yet been developed and the pupil is enrolled and receiving services from the Nonpublic School or Agency (ED 56366.9 c (1)).

"If a pupil is enrolled in a nonpublic, nonsectarian school or agency with the approval of the local educational agency prior to agreement to a contract or individual services agreement, the local educational agency shall issue a warrant, upon submission of an attendance report and claim, for an amount equal to the number of creditable days of attendance at the per diem tuition rate agreed upon prior to the enrollment of the pupil. This provision shall be allowed for 90 days during which time the contract shall be consummated."

e. Late Payment

If the payment is not postmarked from the LEA within forty-five (45) days of the receipt of the invoice, the LEA agrees to pay an additional fee of 1.5% interest per month on amounts not paid, such interest being calculated beginning day forty-six (46) from receipt of the invoice. Interest shall be calculated in accordance with standard accounting procedures. The CONTRACTOR shall bill the LEA for the interest. Failure by the LEA to pay an appropriately submitted invoice within 90 days of receipt may be considered a breach of contract.

f. Medi-Cal Reimbursement

Documentation of LEA Medi-CAL Billable Services will be completed by the provider. All documentation of provider services shall be given to the District/SELPA for reimbursement submissions to Medi-Cal. The contractor will not submit any claims in the LBO (LEA) program and the LEA has the right to submit claims for reimbursement.

4.2 RIGHT TO WITHHOLD

The LEA has the right to withhold payment to the CONTRACTOR when the LEA has reliable evidence, described in writing to the CONTRACTOR at the time the notice of withholding is submitted that: (A) service is provided by personnel who are not appropriately credentialed/licensed; (B) records required by the LEA prior to school closure with respect to one or more LEA pupil(s) enrolled in CONTRACTOR's educational program have not been received; (C) the CONTRACTOR confirms a pupil's change of residence to another district but neglects to notify the LEA within 5 days; or (D) the CONTRACTOR fails to notify the LEA within 5 days after the 10th consecutive school day of a pupil's absence. If the basis for withholding is subsections (B) (C) or (D) of this section the LEA may only withhold the proportionate amount of the bill related to that pupil. If the basis for withholding is subsection (A) of this section, the LEA may only withhold payment for services provided by that personnel.

The LEA shall notify CONTRACTOR in writing within 10 working days of receipt of an invoice of any reason why requested payment shall not be paid. (EC section 56366.5(a)). Such notice shall specify the basis for the LEA's withholding payment and shall be made pursuant to Section 2.3 (Notices) of this contract. If no notice of withholding is provided to CONTRACTOR within 10 working days of receipt of an invoice, the LEA shall not withhold any payment. Within fourteen (14) days from the date of receipt of such notice, the CONTRACTOR shall take all necessary and appropriate action to correct the deficiencies that form the basis for the LEA's withholding payment. Upon receipt of the CONTRACTOR'S written request showing good cause sent pursuant to Section 2.3 (Notices) of this Contract, the LEA shall extend the CONTRACTOR'S time to respond by an additional fourteen days. The CONTRACTOR shall submit rebilling for payment no later than thirty (30) calendar days when an invoice is returned to the CONTRACTOR with a notice of withholding. Upon verification of remediation of identified deficiencies and receipt of rebilling, the LEA shall pay the resubmitted invoice in accordance with Schools: Section 4.1, Agencies: Section 5.1 (Rate Schedule) of this contract. If CONTRACTOR does not resubmit sufficient rebilling or verify remediation of identified deficiencies within thirty (30) calendar days, that shall constitute a reason to continue to withhold payment unless and until CONTRACTOR resubmits the bill and corrects the deficiencies as noted in the original notice of withholding.

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4.3 INSPECTION AND AUDIT

a. Maintenance of Fiscal Records

The CONTRACTOR shall maintain cost data in sufficient detail to verify the annual operating budget in providing education and designated instructional services to children with disabilities and shall make that data available to the LEA upon reasonable request consistent with the provisions of this section. Fiscal records shall be maintained by the CONTRACTOR for five years and shall be available for audit consistent with the provisions of this section.

b. Maintenance of Student Records

District of residence is the custodian of the student records.

c. LEA Access to Documents Related to the Master Contract

The CONTRACTOR shall provide access to, or forward copies of, any documents or other matters relating to the contract within 20 days upon reasonable request by the LEA except as otherwise provided by law. The reason for this request for records shall be provided to the CONTRACTOR at the time it is made. The CONTRACTOR may request from the LEA an extension of time to comply with any records request, which shall not be unreasonably withheld. Such documents may include: 1) registers and roll books of teachers; 2) daily service logs and notes or other documents used to record the provision of related services; 3) absence verification records; 4) transportation records; 5) staff lists specifying credentials held, business and/or professional licenses held documents evidencing other qualifications; 6) dates of hire, and dates of termination; 7) staff time sheets; 8) non-paid volunteer sign-in sheets; 9) related services contracts; 10) school calendars; 11) bell/class schedules; 12) liability and workers' compensation insurance policies; 13) state nonpublic school certifications; 14) marketing materials; 15) statements of income and expenses; 16) general ledgers and supporting documents; 17) all budgetary information and projections submitted by the CONTRACTOR to LEA for purpose of contract negotiations.

d. Audit Exceptions

The CONTRACTOR agrees to accept responsibility for receiving, replying to, and/or complying with any audit exceptions identified by appropriate LEA personnel or State or Federal audit agencies occurring as a result of the CONTRACTOR's performance of this contract. The CONTRACTOR also agrees to pay to the LEA within thirty days of demand by LEA for any financial penalties resulting from any audit exceptions to the extent they are attributable to the CONTRACTOR's failure to perform properly any of its obligations under this contract unless the LEA agrees to different terms in writing and any demand by LEA for such payment shall be made pursuant to the notice provisions of Section 2.3 of this contract. Any, and all audit exceptions must be specified in complete detail before any demand from the LEA for any amount set forth therein.

e. Reasons for Unannounced Visits

LEA and/or Special Education Local Plan Area representatives may make unannounced inspections when there is a concern regarding the health, safety, or welfare of a child, or a substantial concern regarding the implementation of the IEP.

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SECTION 5: SIGNATURES

This Nonpublic Master Contract 2017-2018, including its component parts, may be signed in counterparts and the signatures may appear on separate signature pages. A copy and/or original, with all signatures attached, shall be deemed a fully executed document. A facsimile version of any party's signature shall be deemed an original. The parties hereto have executed this Contract by and through their duly authorized agents or representatives as indicated by their signatures.

This contract is effective on _____ and terminates at 5:00 p.m. on _____ unless sooner terminated as provided herein.

CONTRACTOR

Nonpublic ☐ School ☐ Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

APPROVED AS TO FORM:

SELPA DIRECTOR

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA

Local Educational Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA Board Approval

DATE: _____

LEA: _____ Nonpublic: _____

2017-2018
Nonpublic
Master Contract

Appendix A: Schools



San Diego County Office of Education
Student Services and Programs Division
Special Education Department

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX A: SCHOOLS
2017-2018

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SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
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2017-2018

NONPUBLIC MASTER CONTRACT
Appendix A: Schools

CONTRACT YEAR _____

SECTION 1: NONPUBLIC SCHOOLS ASSOCIATED WITH LICENSED CHILDREN'S INSTITUTIONS (LCIs)

When a nonpublic, nonsectarian school is owned, operated by, or associated with a licensed children's institution, that nonpublic, nonsectarian school shall provide documentation to the LEA that the LCI does not require as a condition of residential placement in the LCI, either of the following: that the student be identified as an individual with exceptional needs per EC 56062 (Health and Safety Code 1501.1(b), EC 56155.7), or that the student attend the nonpublic school associated with the LCI (EC 56366.9). Educational placement of a student in the NPS associated with the LCI may only take place if the LEA determines that alternative educational programs are not available (EC 56366.9).

SECTION 2: EDUCATIONAL PROGRAM

2.1 ADMISSION / ENROLLMENT PROCEDURE

Prior to the CONTRACTOR deciding whether or not to enroll a pupil, the LEA shall provide the CONTRACTOR a copy of the pupil's current IEP/IFSP and immunization records. The LEA shall facilitate an observation of the pupil, data gathering from the current or prior education providers, and any other reasonable information gathering CONTRACTOR wishes to undertake prior to making an enrollment decision. The CONTRACTOR retains the right to decline enrollment of any pupil and nothing in this contract shall be construed to limit this right.

If a pupil is being considered for enrollment, his or her IEP/IFSP shall be reviewed in collaboration with the LEA, CONTRACTOR, parents, and other invited participants, as appropriate.

The CONTRACTOR will make a good faith effort to notify the LEA of its decision to decline enrollment within 10 working days based on a review of the application packet. The CONTRACTOR shall notify the LEA of the effective date of enrollment, or decline of enrollment after gathering additional information, as soon as possible in accordance with Section 2.3 (Notices) of the Nonpublic Master Contract Main Document.

2.2 GENERAL PROGRAM OF INSTRUCTION

The Contractor's educational materials, services, and programs will be consistent with the pupil's individualized education program in accordance with Education Code 56366.10. The pupil's IEP/IFSP shall be aligned with the state standards as appropriate to meet the individual pupil's needs. The CONTRACTOR shall utilize materials, methods and instructional time in accordance with the pupil's IEP/IFSP and the Individual Services Agreement. The NPS offers/provides students with access to the following educational materials: for K and grades 1 to 8 inclusive, state-adopted standards-based, core curriculum and instructional materials; for grades 9 to 12, inclusive, standards-based, core curriculum and instructional materials used by any local education agency that contracts with the NPS, nonsectarian school.

The CONTRACTOR's general program of instruction, including its technology plan and descriptions of courses leading to graduation with a diploma, shall be provided electronically and/or in writing and a copy provided to the LEA representative identified in Section 2.3 (Notices) of the Nonpublic Master Contract Main Document prior to the effective date of this contract. The technology plan shall include, but not be limited to, a description of student access to technology as part of the general program of instruction and staff technology training as needed.

Independent study (California *Education Code [EC]* sections 51745(c)) An individual with exceptional needs, as defined in Section 56206, shall not participate in independent study, unless his or her individualized education program developed pursuant to Article 3 (commencing with Section 56340) of Chapter 4 of Part 30 specifically provides for that participation.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT

APPENDIX A: SCHOOLS

2017-2018

a. Transcripts

If a pupil is of secondary school age, the LEA shall provide a specific list of the course requirements to be satisfied by the CONTRACTOR leading toward the pupil's graduation with a diploma or certificate of completion, and specified performance standards. The CONTRACTOR shall have procedures for record keeping and documentation, and shall maintain high school records to ensure that appropriate high school credits are received, if applicable.

At the close of each semester, for a pupil in grades 9, 10, 11, and 12, the CONTRACTOR shall prepare transcripts and submit them to the pupil's LEA in accordance with the notice provisions of Section 2.3 (Notices) of the Nonpublic Master Contract Main Document. The LEA shall monitor the progress of the pupil towards graduation with a diploma or certificate of completion.

b. Foster Youth

Shall be defined pursuant to California Education Code section 42238.01(b). The LEA shall annually notify the CONTRACTOR who the LEA has designated as the educational liaison for foster children. When a pupil in foster care is enrolled in a nonpublic school by the LEA any time after the completion of the pupil's second year of high school, the CONTRACTOR shall schedule the pupil in courses leading towards graduation based on the diploma requirements of the LEA unless provided notice otherwise in writing pursuant to Section 51225.1.

2.3 SUPPLIES AND EQUIPMENT

The CONTRACTOR shall be responsible for providing all standard and usual supplies and equipment it normally provides as part of its general program. A student who may require assistive technology to benefit from his/her special education program shall be referred for an assistive technology evaluation through the LEA. If an individual pupil's IEP/IFSP requires specialized equipment and/or supplies beyond the CONTRACTOR's general program they shall be provided by the LEA unless otherwise specified in the Individual Services Agreement. LEA shall provide the low incidence equipment assigned to the pupil through the IEP/IFSP unless CONTRACTOR specifically agrees in the Individual Services Agreement to provide the low incidence equipment. Supplies and/or equipment purchased and/or provided by the LEA remain the property of the LEA and supplies and/or equipment purchased and/or provided by CONTRACTOR remain the property of CONTRACTOR, if not specifically reimbursed by the LEA for that specific supply or equipment. If the CONTRACTOR provides DIS and/or related services, the CONTRACTOR shall be responsible for providing usual and reasonable supplies and assessment tools necessary to implement the provision of services unless otherwise agreed in the Individual Services Agreement.

2.4 CALENDAR

By April 1 of each year, the CONTRACTOR shall submit a school calendar to the SDCOE Director of Special Education, including daily start and end times, with the total number of billable days not to exceed one hundred and eighty (180) in the regular school year, plus extended school year days as needed. The CONTRACTOR shall observe the following legal holidays including Independence Day, Veteran's Day, Labor Day, Thanksgiving Day, Christmas Day, New Year's Day, Dr. Martin Luther King Jr. Day, President's Day, and Memorial Day, as specified in the CONTRACTOR's official calendar. If the CONTRACTOR's provide make-up days, the calendar shall include make-up days, which may be used as long as no pupil exceeds 180 billable days during the regular school year, or the number of days allotted for the extended school year, per that pupil's ISA (Refer to 5CCR 3043). The CONTRACTOR shall arrange for transportation on the make-up days.

The CONTRACTOR shall only provide designated instruction and services during: 1) the pupil's regular school year, 2) extended school year program, 3) while providing make-up classes or services, 4) as otherwise specified by the pupil's IEP/IFSP. Make-up sessions may be scheduled for other days of school vacations.

2.5 CREDITABLE DAYS OF ATTENDANCE / INSTRUCTIONAL MINUTES

Creditable days of attendance include days on the school calendar attached hereto, make-up classes or services. Creditable days of attendance are those in which the instructional minutes of the CONTRACTOR meet or exceed those in comparable LEA programs, or those which are established by the pupil's IEP/IFSP, whichever is less (EC Section 46307). The instructional minutes should be reflected in the Individual Services Agreement.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX A: SCHOOLS
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2.6 PARENT VISITS

The CONTRACTOR shall provide for reasonable parental visits to all of the school facilities including, but not limited to, the instructional setting attended by pupils, school and recreational activity areas, and pupil's living quarters for those parents whose pupil resides in the living quarters. The CONTRACTOR shall use its good faith efforts to provide that parental visits are in agreement with a court order, if any.

2.7 ASSESSMENTS

a. State Mandated Testing

Standardized tests shall be administered pursuant to state requirements and local guidelines outlined in SB 484, as determined by the individual pupil's IEP. For pupils in grades one through twelve, inclusive, the CONTRACTOR shall permit the LEA to administer state and local mandated tests following the LEA testing schedule at the CONTRACTOR's site in accordance with the testing period.

By October 1, the LEA shall notify the CONTRACTOR of the LEA testing schedule. By December 1, the CONTRACTOR shall notify the LEA of the designated testing period, which addresses most of the LEA testing schedules. State mandated testing outside the designated testing period shall be administered by the LEA at a location other than the NPS. LEA and CONTRACTOR shall collaborate to minimize the disruption to the educational programs for students caused by the administration of state and local mandated tests. The LEA shall share the results of the state mandated testing with the CONTRACTOR.

2.8 STAFF ABSENCES

When a classroom teacher is absent, The CONTRACTOR shall provide appropriate coverage in the absent teacher's classroom in accordance with EC section 56061. The CONTRACTOR shall provide the LEA the documentation of such coverage upon request.

CONTRACTORS who provide nurses, 1:1 aides or 1:1 behavior intervention staff in accordance with an individual student's IEP/IFSP shall provide substitute coverage when the staff member is absent, unless other arrangements have been made with the LEA on a case by case basis.

2.9 MONITORING

Per 5 CCR 3063, the State Superintendent of Public Instruction (SSPI) shall conduct a validation review of the nonpublic school prior to an initial conditional certification. An on-site review shall be conducted within 90 days of the initial conditional certification and student enrollment. On-site reviews shall be scheduled at least once every three years thereafter. In addition, LEA shall monitor the education of students placed by IEP teams in the nonpublic school setting.

Upon request, the CONTRACTOR shall provide the LEA with annual program goals and implementation plan. CONTRACTOR will participate in the review of the Nonpublic schools and or agencies via the San Diego County Nonpublic Quality Review process on a four-year cycle. The Quality Review Committee shall make every attempt to coordinate the Quality Review process with the CDE certification review.

SECTION 3: SAFETY

3.1 SAFE AND APPROPRIATE ENVIRONMENT

a. Facilities

The CONTRACTOR shall be responsible for providing facilities in which it provides the services agreed to in the Individual Services Agreement, unless there is written agreement to the contrary. CONTRACTOR shall comply with applicable law with respect to the structural specifications of the facilities in which it provides services.

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CONTRACTOR shall comply with all applicable local, county, and/or state ordinances and statutes relating to fire, health, sanitation, and building safety.

b. Fire Drills

The CONTRACTOR shall assure that the school has a fire drill, not less than once every calendar month at the elementary and intermediate level and not less than twice yearly at the secondary level.

c. Earthquake Procedures

The CONTRACTOR'S nonpublic school buildings which have an occupant capacity of fifty or more pupils or more than one classroom shall have an established earthquake emergency procedure system including a school building disaster plan; a drop procedure; protective measures to be taken before, during, and following an earthquake; and a program to ensure that the pupils and the certificated and classified staff are aware of and properly trained in the earthquake emergency procedure system.

3.2 ATTENDANCE

The CONTRACTOR shall keep original records of each pupil's daily attendance in a register, report, or record with the pupil's absences clearly indicated. The CONTRACTOR shall report attendance monthly, including a cumulative total of excused and unexcused absences for the year to date. The CONTRACTOR shall file the signed copies of such attendance register, report, or record with monthly invoices to the LEA within thirty (30) days of the close of the school month. The CONTRACTOR shall submit separate attendance forms for any and all related services that are provided by the CONTRACTOR that are not a part of the inclusive rate as specified in IEPs/IFSPs. The documents and reports identified in this section shall be provided to LEA pursuant to the provisions in Section 2.1 (Notices) of the Nonpublic Master Contract Main Document.

The CONTRACTOR is responsible for verifying accuracy of said attendance forms and for informing subcontractors of their personal responsibility for the completion and accuracy of said forms. The CONTRACTOR shall meet with LEA representatives, upon reasonable notice, for the purpose of discussing attendance reporting.

a. Unexcused Absences

If a pupil's absences exceed more than ten days, the CONTRACTOR may notify the LEA of the intent to terminate the Individual Services Agreement and if it does, at the same time it shall request an IEP/IFSP meeting. Said notice shall be provided pursuant to Section 2.1 (Notices) of the Nonpublic Master Contract Main Document. Upon receipt of this request, the LEA shall convene an IEP/IFSP meeting as soon as possible to review the placement, modify the IEP/IFSP if appropriate, or determine another appropriate placement option for the student.

CONTRACTOR shall notify the LEA case manager when a pupil has been absent for 10 consecutive school days. Failure by the CONTRACTOR to notify the LEA case manager within 5 days after the 10th consecutive school day absence shall relieve the LEA of any obligation to pay for any absence beyond the tenth day of absence.

b. Change of Pupil's District of Residence

Within 5 days after the CONTRACTOR confirms that a pupil has changed his or her residence and no longer resides in the LEA, the CONTRACTOR shall notify the LEA, of the change of residence and such notice shall be provided pursuant to Section 2.3 (Notices) of the Nonpublic Master Contract Main Document. Both the LEA and the CONTRACTOR shall notify parents in writing of their obligation to notify the CONTRACTOR of changes of pupil's residence.

c. Parent Withdrawal of Student

The CONTRACTOR shall report by telephone no later than the end of the next school day to the case manager if a pupil is dis-enrolled from school by the parent. The CONTRACTOR shall confirm such telephone call in writing.

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d. Make-up Days/Saturday School (Ed Code 3722.3, 42239)

Make-up days may be scheduled on weekends and during school breaks within the fiscal year the services were originally to be provided. Make-up days, if provided by the CONTRACTOR, shall be noted on the CONTRACTOR's annual calendar. Make up days include excused and unexcused absences as well as absences during ESY within the contract year. All related services shall be provided by the CONTRACTOR during the CONTRACTOR's regular school and extended school calendar days unless otherwise specified on the IEP/IFSP.

The LEA shall not be responsible for payment of services for days on which pupil's attendance does not qualify for reimbursement under state law.

Billing for Make-up days shall be monthly and shall accompany Contractor's regular monthly invoice. Contractor shall prepare a Register of Daily Attendance for Make-up days during the month showing all students who were in attendance. Total amount billed for Make-up days during the month will be shown as a separate line on Contractor's invoice. All provisions for audit, corrections, and payment as stated in this Master Contract that apply to Contractor's invoicing shall apply to the Make-up day invoice.

e. Medication

CONTRACTOR shall comply with the requirements of California Education Code section 49423 when CONTRACTOR serves a student that is required to take prescription and/or over-the-counter medication during the school day. CONTRACTOR may designate personnel to assist the student with the administration of such medication after the student's parent(s) provides to CONTRACTOR: (a) a written statement from a physician detailing the type, administration method, amount, and time schedules by which such medication shall be taken; and (b) a written statement from the student's parent(s) granting CONTRACTOR permission to administer medication(s) as specified in the physician's statement. CONTRACTOR shall maintain, and provide to LEA upon request, copies of such written statements. CONTRACTOR shall maintain a written log for each student to whom medication is administered. Such written log shall specify the student's name; the type of medication; the date, time, and amount of each administration; and the name of CONTRACTOR's employee who administered the medication. CONTRACTOR maintains full responsibility for assuring appropriate staff training in the administration of such medication consistent with physician's written orders. Any change in medication type, administration method, amount or schedule must be authorized by both a licensed physician and parent.

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SECTION 4: FINANCIAL

4.1 RATE SCHEDULE FOR CONTRACT YEAR

The CONTRACTOR: _____

The CONTRACTOR CDS NUMBER: _____

PER ED CODE 56366 – TEACHER-TO-PUPIL RATIO: _____

Education service(s) offered by the CONTRACTOR and the charges for such service(s) during the term of this contract, as negotiated by the SDCOE on behalf of the LEAs, shall be as follows:

a. General Program Tuition Rate

1) Inclusive Education Program

(Includes Educational Counseling (not ed related mental health) services, Speech & Language services, Behavior Intervention Planning, and Occupational Therapy as specified on the student's IEP.) DAILY RATE: _____

2) Related Services

<u>SERVICE</u>	<u>RATE</u>	<u>PERIOD/HR/DAI</u>
<u>Intensive Individual Services (340)</u>	_____	_____
<u>Individual and Small Group Instruction (Ages 3-5 only) (350)</u>	_____	_____
<u>Adapted Physical Education (425)</u>	_____	_____
<u>Adapted Physical Education Assessment (425)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care LVN (435)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care RN (435)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care CRN (435)</u>	_____	_____
<u>Health and Nursing: Other Services LVN (436)</u>	_____	_____
<u>Health and Nursing: Other Services RN (436)</u>	_____	_____
<u>Health and Nursing: Other Services CRN (436)</u>	_____	_____
<u>Health and Nursing: Other Services Health Aide/CNA (436)</u>	_____	_____
<u>Assistive Technology Services - Credentialed (445)</u>	_____	_____
<u>Assistive Technology Services – Classified (445)</u>	_____	_____
<u>Assistive Technology Services Assessment (445)</u>	_____	_____

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
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<u>Physical Therapy (460)</u>	<hr/>	<hr/>
<u>Physical Therapy PT Assistant (460)</u>	<hr/>	<hr/>
<u>Physical Therapy Assessment (460)</u>	<hr/>	<hr/>
<u>Individual Counseling (510)</u>	<hr/>	<hr/>
<u>Counseling and Guidance (515)</u>	<hr/>	<hr/>
<u>Parent Counseling (520)</u>	<hr/>	<hr/>
<u>Social Work Services (525)</u>	<hr/>	<hr/>
<u>Psychological Services (530)</u>	<hr/>	<hr/>
<u>Psychological Services Assessment (530)</u>	<hr/>	<hr/>
<u>Specialized Services for Low Incidence Disabilities (610)</u>	<hr/>	<hr/>
<u>Specialized Services for Low Incidence Disabilities Assess (610)</u>	<hr/>	<hr/>
<u>Specialized Deaf and Hard of Hearing (710)</u>	<hr/>	<hr/>
<u>Specialized Deaf and Hard of Hearing Assessment (710)</u>	<hr/>	<hr/>
<u>Interpreter Services (715)</u>	<hr/>	<hr/>
<u>Interpreter Services Shift Differential (715)</u>	<hr/>	<hr/>
<u>Audiological Services (720)</u>	<hr/>	<hr/>
<u>Audiological Services Assessment (720)</u>	<hr/>	<hr/>
<u>Specialized Vision Services (725)</u>	<hr/>	<hr/>
<u>Specialized Vision Services Assessment (725)</u>	<hr/>	<hr/>
<u>Orientation and Mobility (730)</u>	<hr/>	<hr/>
<u>Orientation and Mobility Assessment (730)</u>	<hr/>	<hr/>
<u>Braille Transcription (735)</u>	<hr/>	<hr/>
<u>Specialized Orthopedic Services (740)</u>	<hr/>	<hr/>
<u>Specialized Orthopedic Services Assessment (740)</u>	<hr/>	<hr/>
<u>Reader Services (745)</u>	<hr/>	<hr/>
<u>Note Taking Services (750)</u>	<hr/>	<hr/>
<u>Transcription Services (755)</u>	<hr/>	<hr/>

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
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<u>Recreation Services, Including Therapeutic (760)</u>	<u></u>	<u></u>
<u>College Awareness Preparation (820)</u>	<u></u>	<u></u>
<u>Vocational Assessment, Counseling/Guidance Assessment (830)</u>	<u></u>	<u></u>
<u>Career Awareness (840)</u>	<u></u>	<u></u>
<u>Work Experience Education (850)</u>	<u></u>	<u></u>
<u>Job Coaching (855)</u>	<u></u>	<u></u>
<u>Mentoring (860)</u>	<u></u>	<u></u>
<u>Agency Linkages (referral and placement) (865)</u>	<u></u>	<u></u>
<u>Travel Training (870)</u>	<u></u>	<u></u>
<u>Other Transition Services (890)</u>	<u></u>	<u></u>
<u>Other (900) Music Therapy</u>	<u></u>	<u></u>
<u>Other (900) Vision Therapy</u>	<u></u>	<u></u>
<u>Transportation – Emergency</u>	<u></u>	<u></u>
<u>Bus Passes</u>	<u></u>	<u></u>

NOTES:

*Parent transportation reimbursement rates to be set forth in Individual Services Agreements.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX A: SCHOOLS
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SECTION 5: APPROVALS

CONTRACTOR
Nonpublic School

Authorized Representative Signature

DATE: _____

(Type) Name and Title

APPROVED AS TO FORM:

SELPA DIRECTOR

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA
Local Educational Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA Board Approval

DATE: _____

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX A: SCHOOLS
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INTERIM WRITTEN APPROVAL

For Provision of Special Education/Related Services and Payment

Pursuant to Section 1.1 of the Master Contract (Main Document),
the Local Education Agency (LEA) _____
provides to the CONTRACTOR _____
interim written approval for CONTRACTOR to provide the agreed upon Special Education and/or Related Services
identified in the most recent IEP/IFSP of _____,
(Student Name)
at the rates set forth in Schools: Section 4.1 of the Master Contract for the 201____ - 201____ Contract
Year.
Anticipated Student Start Date: _____.

This interim written approval shall be for a maximum period of 90 days, beginning with the anticipated student start date at the nonpublic school or nonpublic agency. If an Individual Services Agreement and/or Master Contract is not completed and executed by the LEA and the CONTRACTOR within this 90 day period, the LEA or CONTRACTOR may request an IEP meeting to be held as soon as possible to discuss a change in placement for the pupil. The LEA shall continue to reimburse the CONTRACTOR as set forth in the interim written approval, or as otherwise agreed by the parties in writing, pending any change in placement or subsequent execution of an Individual Services Agreement.

This interim written approval does not require the CONTRACTOR to provide services for 90 days, or for any maximum period of time. The parties have already agreed, or may agree, to hold an IEP meeting within 30 days of the student's first day of attendance.

Agreed to by the District Representative of the Special Education Unit of the LEA:

Signature

Date

Name/Title

Agreed to by the CONTRACTOR:

Signature

Date

Name/Title

San Diego County Nonpublic Master Contract
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INDIVIDUAL SERVICES AGREEMENT FOR NONPUBLIC, NONSECTARIAN SCHOOL SERVICES
(Education Code Sections 56365 et seq.)

This agreement is effective on _____ or the date student begins attending a nonpublic school or receiving services from a nonpublic agency, if after the date identified, and terminates at 5:00 P.M. on June 30, 201____, unless sooner terminated as provided in the Master Contract and by applicable law.

Local Education Agency _____ Nonpublic School _____

LEA Case Manager: Name _____ Phone Number _____

Pupil Name _____ Sex: ☐ M ☐ F Grade: _____
(Last) (First) (M.I.)

Address _____ City _____ State/Zip _____

DOB _____ Residential Setting: ☐ Home ☐ Foster ☐ LCI # _____ ☐ OTHER _____

Parent/Guardian _____ Phone () _____ () _____
(Residence) (Business)

Address _____ City _____ State/Zip _____
(If different from student)

AGREEMENT TERMS:

1. *Nonpublic School.* The average number of minutes in the instructional day will be: _____ during the regular school year
_____ during the extended school year
2. *Nonpublic School.* The number of school days in the calendar of the school year are: _____ during the regular school year
_____ during the extended school year
3. *Educational services as specified in the IEP shall be provided by the CONTRACTOR and paid at the rates specified below.*
 - INCLUSIVE EDUCATION PROGRAM: (Applies to nonpublic schools only):* Daily Rate: _____
(Includes Educational Counseling (not ed related mental health) services, Speech & Language services, Behavior Intervention Planning, and Occupational Therapy as specified on the student's IEP.)

Estimated Number of Days _____ x Daily Rate _____ = PROJECTED BASIC EDUCATION COSTS (A) _____

B. RELATED SERVICES:

SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPS	OTHER Specify				
Intensive Individual Services (340)							
Individual and Small Group Instruction (350) (Ages 3-5 only)							
Language and Speech (415)					INCLUDED		INCLUDED
Adapted Physical Ed. (425)							
Adapted Physical Ed. - Assessment (425)							
Health and Nursing: Specialized Physical Health Care - LVN (435)							
Health and Nursing: Specialized Physical Health Care - RN (435)							

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SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPS	OTHER Specify				
Health and Nursing: Specialized Physical Health Care - CRN (435)							
Health and Nursing Services: Other - LVN (436)							
Health and Nursing Services: Other - RN (436)							
Health and Nursing Services: Other - CRN (436)							
Health and Nursing Services: Other - Health Aide/CNA (436)							
Assistive Technology Services - Credentialed (445)							
Assistive Technology Services – Classified (445)							
Assistive Technology Services - Assessment (445)							
Occupational Therapy (450)					INCLUDED		INCLUDED
Physical Therapy (460)							
Physical Therapy - PT Assistant (460)							
Physical Therapy - Assessment (460)							
Individual Counseling (510)							
Counseling and Guidance (515)							
Parent Counseling (520)							
Social Work Services (525)							
Psychological Services (530)							
Behavior Intervention Services (535)					INCLUDED		INCLUDED
Specialized Services for Low Incidence Disabilities (610)							
Specialized Services for Low Incidence Disabilities – Assessment (610)							
Specialized Deaf and Hard of Hearing Services (710)							

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SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPS	OTHER Specify				
Specialized Deaf and Hard of Hearing Services – Assessment (710)							
Interpreter Services (715)							
Interpreter Services – Shift Differential (715)							
Audiological Services (720)							
Audiological Services Assessment (720)							
Specialized Vision Services (725)							
Specialized Vision Services Assessment (725)							
Orientation and Mobility (730)							
Orientation and Mobility Assessment (730)							
Braille Transcription (735)							
Specialized Orthopedic Service (740)							
Specialized Orthopedic Service Assessment (740)							
Reader Services (745)							
Note Taking Services (750)							
Transcription Services (755)							
Recreation Services, Including Therapeutic (760)							
College Awareness Preparation (820)							
Vocational Assessment, Counseling, Guidance and Career Assessment (830)							
Career Awareness (840)							
Work Experience Education (850)							
Job Coaching (855)							

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SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPS	OTHER Specify				
Mentoring (860)							
Agency Linkages (referral and placement) (865)							
Travel Training (870)							
Other Transition Services (890)							
Other (900) Music Therapy							
Other (900) Vision Therapy							
Transportation-Emergency							
Bus Passes							

ESTIMATED MAXIMUM RELATED SERVICES COST (C)\$ _____

4. Other Provisions/Attachments:

MASTER CONTRACT APPROVED BY THE GOVERNING BOARD ON _____

INDIVIDUAL SERVICES AGREEMENT APPROVED BY CASE MANAGER:

 (Signature)

 (Date)

The parties hereto have executed this Individual Services Agreement by and through their duly authorized agents or representatives as set forth below.

-CONTRACTOR-

-DISTRICT-

 (Name of Nonpublic School)

 (Name of School District)

 (Signature)

(Date)

 (Signature)

(Date)

 (Name and Title)

 (Name of Superintendent or Authorized Designee)

LEA: _____ Nonpublic: _____

2017-2018 **Nonpublic** **Master Contract**

Appendix C: Room and Board



San Diego County Office of Education
Student Services and Programs Division
Special Education Department

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX C: ROOM AND BOARD
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NONPUBLIC MASTER CONTRACT
Appendix C: Room and Board
For Residentially Placed Students with Disabilities

CONTRACT YEAR _____

This agreement ("Master Agreement") is made and entered into between the

_____ School District ("LEA") and
_____ ("Facility"), together with LEA

("Parties") until _____, or sooner as described in paragraph 3.a. below. It is understood that this Master Agreement does not commit the LEA to fund, or the Facility to provide room and board to a child ("Child"), as that term is defined in paragraph 1.a. below, unless and until an individual room and board agreement ("Individual Services Agreement") is executed between the LEA and Facility on behalf of an individual Child and both this Master Agreement and the Individual Service Agreement for Room and Board are approved or ratified by the LEA's Governing Board.

SECTION 1: LEA AGREES TO

1.1 LEA agrees to the following:

- a. Pay Facility for room and board only (which is limited to the cost of food, shelter, daily supervision, and liability insurance with respect to the Child and any other costs that are included in the attached RTC Rate Schedule, Attachment A. This rate will be included in the Individual Services Agreement, which is Attachment B. If the Facility includes mental health services in its Room and Board rate, that inclusive rate is identified on Attachment A and should be reflected as such in the Room and Board Individual Services Agreement Attachment B. Monthly rates shall be prorated based on the date of admission and the night prior to the discharge from the Facility. Payment (Notices, Billing and Payment and Right to Withhold) shall be made consistent with the Payment language in the Main Contract.
- b. Provide the Facility with knowledge of the background and needs of a Child necessary for his/her effective care. This may include educational assessments, medical reports, individualized education programs ("IEP"), and identification of any special needs he/she may have. This information shall be provided to Facility within fourteen (14) school days of the date of placement to the extent it has not already been provided to the Facility.
- c. Work with Facility toward development of the Child's treatment plan.
- d. Work with Facility toward successful termination of the Child's placement.
- e. Continue paying for Child's Room and Board as long as he/she remains eligible for this level of placement or until the LEA requests termination of the placement, subject to paragraph 3.a.
- f. Assist in the maintenance of the Child's constructive relationships with parents and other family members, involving parents in future planning for the Child.
- g. The San Diego County Case Management Project is responsible for case management services and is responsible for providing the following documents to the Facility: psychological and psychiatric evaluations, social work assessments, and authorization for medical treatment signed by the Child's parent (as the term Parent is defined in paragraph 3.bb. below and provided that the Parent can legally authorize medical treatment).

In the event the Case Management Project does not provide the information described above to the Facility, then the Facility will notify the LEA consistent with paragraph v. (Notices) below.

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APPENDIX C: ROOM AND BOARD
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SECTION 2: FACILITY AGREES TO

2.1 Facility agrees to the following:

- a. Provide Room and Board to the Child.
- b. Follow admission requirements related to medical screening, physical examination, medical testing and immunization.
- c. Develop an understanding of the responsibilities, objectives, and requirements of the LEA with regard to the care of the Child, and work with the LEA in regard to the care of, and the planning for, the Child.
- d. Encourage the maintenance of the natural parent-child relationship, and include the Child's parents in the treatment plan whenever possible.
- e. Not use any form of corporal punishment or degrading or embarrassing discipline. Agree not to use deprivation of meals, monetary allowances, visits from parents, home visits, or threat of removal from the Facility. The use of constructive alternative methods of discipline is encouraged provided it is consistent with the Child's IEP and any behavior plan.
- f. Respect and keep confidential information regarding the Child and his/her family, except as required by law.
- g. Work toward successful termination of this out-of-home placement, involving the Child, parents, and the LEA on a planned basis.
- h. Conduct a staffing or review on the Child at least once every three (3) months.
- i. Submit an initial diagnostic summary and master treatment plan to the LEA within three (3) months from the date of placement, to the extent this information has not already been provided to the LEA by the Facility. This summary shall include the following information regarding the Child:
 - 1) Medical and dental needs;
 - 2) Psychological/psychiatric evaluations obtained;
 - 3) Staffing review summaries;
 - 4) Educational assessment;
 - 5) Peer adjustment;
 - 6) Relationship to staff;
 - 7) Involvement in recreation program;
 - 8) Behavioral problems;
 - 9) Short-term treatment objectives (goals established for next 3 months);
 - 10) Long-range goals including anticipated length of placement;
 - 11) Tasks planned to reach objective and goals and staff who will be performing these tasks, including agency service activity;
 - 12) Identification of unmet needs; and
 - 13) Involvement of Child and his/her parents in the treatment program.
- j. Submit ongoing written evaluations to the LEA quarterly. These evaluations shall include the following information:
 - 1) Current status of the Child's physical and psychological health;
 - 2) Reassessments of the Child's adjustment to the Facility, program, peers, school, and staff;
 - 3) Progress toward short-term objectives and long-range goals, including tasks that have been performed to reach these objectives and goals;

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APPENDIX C: ROOM AND BOARD
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- 4) Reassessment of unmet needs and efforts made to meet them;
 - 5) Modification of treatment plan, tasks to be performed, and anticipated length of placement; and
 - 6) Involvement of the Child and his/her parents in treatment program.
- k. Notify the Case Management Project staff within twenty-four (24) hours or the LEA's next business day, whichever is sooner, of significant changes in the Child's health, behavior, or physical location, as well as any changes to his/her prescribed medication.
- In the event of a Child's death or serious bodily injury, the Facility will immediately notify the Case Management Project staff. In the case of any of the events described above, the Facility will notify LEA's representative(s) identified in paragraph 2 of the Individual Services Agreement, as well as the Case Management Program staff identified in paragraph 3 of the Individual Services Agreement to the extent the Facility is obligated by law to notify the LEA.
- l. Report by telephone to the Case Management Project staff and LEA's representative(s) identified in paragraph 2 of the Individual Services Agreement any special incident involving the Child within twenty-four (24) hours of its occurrence, and to submit a written report within forty-eight (48) hours.
 - m. Submit copies of any pertinent information such as school reports, medical reports and psychological/psychiatric reports as completed.
 - n. Give the Case Management Project staff and LEA's representative described in paragraph 2 of the Individual Services Agreement written prior notice of at least fourteen (14) school days of intent to discharge the Child unless it is agreed upon in writing with the LEA that less notice is necessary.
 - o. Conform to all applicable licensing requirements of the State of California.
 - p. Provide state and federal agencies access to requested information on the Child as required by state and/or federal law.
 - q. Only admit the Child to or discharge the Child from the Facility under the auspices of the Parent (as this term is defined in paragraph 3.bb. below), and to recognize that the Parent can remove the Child from the Facility at will provided that the Parent has legal authority to do so.
 - r. Prepare monthly invoices to the LEA consistent with paragraphs 3.v. (Notices), 3.z. (Billing and Payment) and 3.aa. (Right to Withhold) below. The Facility shall notify the LEA when Medi-Cal or any other agency or insurance provider is billed for the Room and Board costs associated with the Child's placement at Facility.

SECTION 3: PARTIES AGREE TO

3.1 Parties agree to the following:

- a. Termination. Should a court of competent jurisdiction, the Legislature, or the Governor determine that the State Department of Mental Health and its local mental health agencies are responsible for providing mental health services, this Master Agreement shall be deemed null and void immediately. The LEA may also immediately suspend or terminate this Master Agreement in whole or in part when it determines that Facility has failed to comply with any term of this Master Agreement or when it is determined and agreed upon by the child's expanded IEP team that the Facility is no longer an appropriate placement. Under circumstances other than those set forth above, the LEA may terminate this Master Agreement at any time by giving Facility thirty (30) days written notice of such termination. Such termination shall be effective at 11:59 p.m., Pacific Standard Time, on the intended date for termination.
- b. Room and Board. It is understood and acknowledged that this Master Agreement only commits the LEA to payment for Room and Board as that term is defined in paragraph 1.a. above, and not special education and/or related services. If the educationally related mental health services are wrapped in with the Room and Board rates, indicate that option in section 3.y of this Appendix C.
- c. Privacy. The Parties acknowledge the protections afforded to student health information under regulations adopted pursuant to the Health Insurance Portability and Accountability Act of 1996 ("HIPAA"), Pub. L. No. 14-109, students' records under the Family Educational Rights and Privacy Act ("FERPA"), section 1232g of Title 20

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT

APPENDIX C: ROOM AND BOARD

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of the United States Code; and under any provisions of state law relating to privacy. The Parties shall ensure that all activities undertaken under this Master Agreement will conform to the requirements of these laws.

- d. Indemnification. The Parties shall each defend, hold harmless and indemnify the other party, its governing board, officers, administrators, agents, employees, independent contractors, subcontractors, consultants, and other representatives from and against any and all liabilities, claims, demands, costs, losses, damages, or expenses, including reasonable attorneys' fees and costs, and including but not limited to consequential damages, loss of use, extra expense, cost of facilities, death, sickness, or injury to any person(s) or damage to any property, from any cause whatsoever arising from or connected with its service hereunder, that arise out of or result from, in whole or in part, the negligent, wrongful or willful acts or omissions of the indemnifying party, its employees, agents, subcontractors, independent contractors, consultants, or other representatives. This indemnity provision shall survive the term of this Master Agreement and is in addition to any other rights or remedies that the LEA or Facility may have under law and/or the Master Agreement.
- e. Integration. This Master Agreement represents the entire understanding of the Parties as to those matters contained herein, and supersedes and cancels any prior oral or written understanding, promises or representations with respect to those matters covered hereunder. This Master Agreement may not be modified or altered except in writing signed by both Parties hereto. This is an integrated agreement.
- f. Laws and Venue. This Master Agreement shall be interpreted in accordance with the laws of the State of California. If any action is brought to interpret or enforce any term of this Master Agreement, the action shall be brought in a state or federal court situated in the County of San Diego, State of California, unless otherwise specifically provided for under California law.
- g. Third Party Rights. Nothing in this Master Agreement shall be construed to give any rights or benefits to anyone other than the LEA or Facility.
- h. Employment Status. This Master Agreement is by and between two independent contractors and is not intended to and shall not be construed to create a relationship of agent, servant, employee, partnership, joint venture or association. Facility's services shall be provided in a manner consistent with all applicable standards and regulations governing such services.
- i. Warranty of Facility. Facility warrants that Facility and each of the personnel employed or otherwise retained by Facility for services performed to the Child are properly certified and licensed under the laws and regulations of the State of California to provide services to the Child.
- j. Safe and Appropriate Environment. Facility shall comply with applicable law with respect to the structural specifications of the facilities in which it provides services. Facility shall comply with all applicable local, county, and/or state ordinances and statutes relating to fire, health, sanitation, and building safety.
- k. Requirement to Report
 - 1) Child Abuse or Molestation. Facility shall maintain a signed statement by all personnel required to sign such a statement under the child abuse reporting laws, acknowledging their understanding of the reporting requirements regarding observed or suspected cases of child abuse. When filing a child abuse report under the Child Abuse Reporting laws, Facility shall include in the report the name, telephone number and address of the LEA representative as identified in paragraph 3.v., below, of this Master Agreement.
 - 2) Student Injury. Facility agrees to complete a written accident report when a student has suffered an injury that requires medical attention, and notify the LEA within forty-eight (48) hours. Facility agrees to submit a written incident report to the LEA by the end of the following school day, in cases of injury resulting from physical restraint or the death of Child. Facility agrees to reasonably participate in any communications between a Child's parents and the LEA regarding any injuries resulting from physical restraint.
- l. Severability. The unenforceability, invalidity or illegality of any provision(s) of this Master Agreement shall not render the other provisions unenforceable, invalid, or illegal.
- m. Term. Except as otherwise provided for herein, this Master Agreement shall cover the period of _____ through _____.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX C: ROOM AND BOARD
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and including _____. This Master Agreement shall terminate as of 11:59 p.m., Pacific Standard Time on _____, except as provided in paragraph 3.a., above. However, this Master Agreement may be extended by the Parties' mutual written consent.

- n. Execution by Facsimile or in Counterparts. This Master Agreement may be signed in counterparts and the signatures may appear on separate signature pages. A copy or an original, with all signatures attached, shall be deemed a fully executed agreement. A facsimile version of any party's signature shall be deemed an original signature.
- o. Effective Date. This Master Agreement has no force or effect until approved or ratified by the LEA's Governing Board.
- p. Compliance with Applicable Federal and State Laws. During the term of this Master Agreement, the Parties shall comply with all applicable federal, state, and local statutes, laws, ordinances, rules and regulations relating to the required special education and designated instruction and services and facilities for individuals with exceptional needs, and related laws pertaining to California public school students, including but not limited to fingerprinting laws as described in Education Code section 45125.1.
- q. Nondiscrimination. The Parties shall not discriminate on the basis of race, religion, sex, national origin, age, sexual orientation or disability in employment or operation of its programs.
- r. IEP Participation and Other Meetings. The Facility shall attend LEA mandated meetings, IEPs and/or meetings concerning the LEA's policies and procedures at the LEA's request. The LEA shall provide the Facility with reasonable notice of mandated meetings. Attendance at such meetings cannot be charged to the LEA and shall be attended at the Facility's expense.
- s. Forwarding of Records. The Facility agrees, in the event of Facility closure, to immediately forward all of the Child's records to the LEA to the extent the LEA is permitted by law to receive these records.
- t. Insurance. Prior to the execution of this Master Agreement, Facility shall, at its sole cost and expense, maintain in full force and effect, during the term of this Master Agreement, including all extensions, the insurance specified in the Main Document.
- u. Inspection and Audit
 - 1) Maintenance of Fiscal Records. Fiscal records shall be maintained by the Facility for five years and shall be available for audit consistent with the provisions of this section.
 - 2) LEA Access to Documents Related to the Master Agreement. The Facility shall provide access to, or forward copies of, any documents or other matters relating to this Master Agreement within twenty (20) days upon reasonable request by the LEA except as otherwise provided by law. The reason for this request for records shall be provided to the Facility at the time it is made. The Facility may request from the LEA an extension of time to comply with any records request, which shall not be unreasonably withheld. Such documents may include: 1) daily service logs and notes or other documents used to record the provision of related services; 2) signature verification lists specifying name, degree, license and/or registration number, position/title, signature and initials; 3) dates of hire, and dates of termination; 4) staff time sheets; 5) related services contracts; 6) liability and workers' compensation insurance policies; 7) marketing materials; 8) statements of income and expenses; and 9) general ledgers and supporting documents.
 - 3) Reasons for Visits. Case Management Project staff, LEA staff and/or Special Education Local Plan Area representatives may make unannounced inspections when there is a concern regarding the health, safety, or welfare of a child, or a substantial concern regarding the implementation of the IEP. Case Management Project staff, LEA and/or Special Education Local Plan Area representatives may make announced visits provided that they give the Facility written notice at least one (1) business day before the visit.
 - 4) Quality Review Committee. Upon request, the Facility shall provide the LEA with annual program goals and implementation plan.
- v. Successors in Interest. This Master Agreement binds the Facility's successors and assignees.

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- w. Inability to Meet Master Agreement Requirements. The Facility shall notify the LEA in writing when the Facility is unable to meet the requirements of this Master Agreement. The LEA shall notify the Facility in writing when it is unable to meet the requirements of this Master Agreement.

x. Billing and Payment

Reference the Main Contract Document for language regarding Invoices, Late Invoices and Late Payment.

- 1) Payment. The LEA shall make payment within forty-five (45) days of receipt of a properly prepared and submitted invoice and such payment shall be submitted pursuant to paragraph 3.v. (Notices) of this Master Agreement. This payment shall be at the rates agreed to in paragraph 1.a. of this Master Agreement and shall be in an amount equal to the number of creditable days of residence. If no notice of withholding is provided to Facility within ten (10) working days of receipt of an invoice, the LEA shall not withhold any payment. Payment by the LEA shall refer to the invoice number or the date of the bill submitted by the Facility.

y. Financial

RATE SCHEDULE FOR CONTRACT YEAR _____

The CONTRACTOR: _____

The CONTRACTOR CDS NUMBER: _____
Education service(s) offered by the CONTRACTOR and the charges for such service(s) during the term of this contract, as negotiated by the SDCOE on behalf of the LEAs, shall be as follows:

LEA Finance Representative Name: _____

LEA Finance Representative Phone: _____ Fax: _____

1) Inclusive Rate

(Includes Room and Board and the Mental Health services as indicated on the IEP)

<u>SERVICE</u>	<u>RATE</u>	<u>PERIOD</u>
Room and Board and Mental Health Services	_____	_____

2) Non-Inclusive Rate

(The Room and Board Rates and the Mental Health Rates are separated. This option requires a NPA Appendix B to be completed).

<u>SERVICE</u>	<u>RATE</u>	<u>PERIOD</u>
a. Room and Board Only	_____	_____

- z. Parent. For the purpose of this Master Agreement, unless otherwise stated, a Parent is the natural parent, adoptive parent, or legal guardian or any other adult granted physical and legal custody or educational decision-making rights by the natural or adoptive parent or a court of competent jurisdiction. However, an adult who has only been given educational decision-making rights by the natural or adoptive parent may not discharge or otherwise remove the Child from the Facility unless permitted by law to do so. A trained, certified surrogate parent, identified by the LEA, may act on behalf of the Child if no parent, guardian or person acting as a parent can be located. The LEA shall be responsible for providing a translator for the parent if needed.

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SECTION 4: APPROVALS

CONTRACTOR

Residential Treatment Facility

Authorized Representative Signature

DATE: _____

(Type) Name and Title

APPROVED AS TO FORM:

SELPA DIRECTOR

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA

Local Educational Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA Board Approval

DATE: _____



June 26, 2017

Board Item - G.-5.

Issue:

Contract with San Diego Center for Children for the provision of day rehabilitation services.

Superintendent's Recommendation:

Approve Contract with San Diego Center for Children for payment of mental health costs for students requiring day rehabilitation services as outlined in their Individualized Education Program for the 2017-2018 school year.

Analysis:

This is a required service of all member districts of the South County SELPA. Commencing with the 2010-2011 school year, Local Education Agencies (LEA) became responsible for the provision of mental health services for students with disabilities who require them according to their Individualized Education Programs (IEPs). Federal Individuals with Disabilities Education Act (IDEA) law mandates that LEA implement all services, including mental health services, pursuant to students' IEPs.


The district will develop a contract with San Diego Center for Children (SDCC) to provide day rehabilitation services to students that require this level of care according to their IEPs. Sweetwater's program, called Life School, is located on the campus of Southwest High School. It serves up to 14 students in grades 7 through 12. Sweetwater provides the instructional personnel and SDCC provides the therapeutic staffing, which includes therapists and behavioral support personnel. Currently, Sweetwater does not employ the level of personnel to provide the therapeutic portion of this program.

For questions regarding this board item, please contact Ana Maria Alvarez at (619) 691-5546 or ana.alvarez@sweetwaterschools.org.

Fiscal Impact:

Expenditure of \$315,297, to be paid from designated Mental Health Funds, Resource Code: 6512.

ATTACHMENTS:

Description		Type
	MASTER CONTRACT	Backup Material
	Nonpublic-Appendix B	Backup Material

LEA: _____ Nonpublic: _____

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San Diego County Nonpublic Master Contract

Directions:

- Main document **must** be completed for every Nonpublic School/Agency or Room & Board Contract.
- Complete and attach Appendices A: School, B: Agency, C: Room & Board as appropriate.



San Diego County Office of Education
Student Services and Programs Division
Special Education Department

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APPENDIX B: AGENCIES

APPENDIX C: ROOM AND BOARD

Directions:

- *Main document **must** be completed for every Nonpublic School/Agency or Room & Board Contract*
- *Complete and attach Appendices A: School, B: Agency, C: Room & Board as appropriate.*

LEA: _____ Nonpublic: _____

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NONPUBLIC
MASTER CONTRACT

CONTRACT YEAR _____

This Master Contract is made and entered into

this _____ day of _____, 20____ between the

_____, County of San Diego,
(Local Education Agency)

hereinafter sometimes referred to as the "LEA," and

(Nonpublic,)

hereinafter referred to as "CONTRACTOR."

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SECTION 1: AUTHORIZATION FOR MASTER CONTRACT AND GENERAL PROVISIONS

1.1 MASTER CONTRACT

For the purpose of providing special education and related services to individuals with exceptional needs under the authorization of Education Code sections 56157, 56361, and 56365-56366.5 the Master Contract consists of (the Main Document and Master Contract Appendices A (Schools), B (Agencies), C (Room & Board)). The general term "Master Contract" refers to the Master Contract /Main Document/ and Master Contract /Appendices A (Schools), B (Agencies), and C (Room and Board) given to the CONTRACTOR by a representative of the LEA's Special Education Unit on terms acceptable to the LEA and CONTRACTOR.¹ It is also understood that this contract does not commit the CONTRACTOR to provide special education and related services to any individual unless and until an Individual Services Agreement is executed between the LEA and the CONTRACTOR on behalf of such individual or interim written approval is given to the CONTRACTOR by an authorized representative of the LEA's Special Education Unit. This interim written approval shall be for a maximum period of 90 days, beginning with the anticipated student start date, during which time the contract and/or Individual Services Agreement shall be completed and executed by the LEA and CONTRACTOR. If an Individual Services Agreement is not completed and executed by the LEA and the CONTRACTOR within this ninety-day period, the LEA or CONTRACTOR may request an IEP meeting to be held as soon as possible to discuss a change in placement for the pupil. The LEA shall continue to reimburse the CONTRACTOR as set forth in the interim written approval, or as otherwise agreed by the parties in writing, pending any change in placement or subsequent execution of an Individual Services Agreement.

1.2 SUPERSEDES PRIOR CONTRACTS

This Master Contract includes the Main Document, Appendix A (Schools), Appendix B (Agencies), Appendix C (Room and Board), to the extent that they are applicable, and each ISA, all of which are incorporated herein by this reference and any exhibits or attachments hereto constitute the entire agreement between the parties to this contract and supersedes any prior contract, understanding, or agreement with respect to the terms set forth in this contract.

1.3 MODIFICATIONS AND AMENDMENTS

The LEA and CONTRACTOR agree that any amendments to the contract must be in writing and approved by the LEA's Governing Board and the Board of Directors/Trustees or authorized representative of CONTRACTOR. Prior to executing a written amendment to the contract, the LEA shall obtain approval from the San Diego County SELPA Directors and the County Director of Special Education. In implementing this Master Contract, any specific terms related to an individual pupil shall be reflected in the Individual Services Agreement.

1.4 INDIVIDUAL SERVICES AGREEMENT

The LEA and CONTRACTOR shall enter into an Individual Services Agreement for each pupil who is to receive special education and/or related services provided by the CONTRACTOR. The LEA is responsible for completing each pupil's Individual Services Agreement, which shall identify the provider of each service required by the pupil's Individualized Education Program (IEP) or Individualized Family Service Plan (IFSP) (CCR 3062(e)). Individual Services Agreements shall only be issued for those pupils enrolled with the approval of the LEA. Changes in any LEA pupil's educational program, including instruction, services, or instructional setting provided under this contract, may only be made on the basis of revisions to the pupil's IEP or IFSP. At any time during the term of this contract, the parent, the CONTRACTOR or LEA may request a review of the pupil's IEP/IFSP, subject to all procedural safeguards required by law, including notice given to and participation by the CONTRACTOR in the IEP Team meeting. In the event that the CONTRACTOR recommends that the pupil requires either a lesser or more restrictive placement than the CONTRACTOR can provide, the CONTRACTOR will notify the LEA immediately. The LEA shall expedite the review and/or the resulting change in placement, and shall modify the Individual Services Agreement as appropriate if there is a change in the instructional and/or other services provided.

¹ Please see Appendix B for Agencies for exceptions to NPA Hired as Full Time Equivalent.

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1.5 NONPUBLIC CERTIFICATION OR WAIVER

A current copy of the CONTRACTOR'S California Department of Education Nonpublic Certification or waiver of such certification issued by CDE pursuant to EC 56366.2 is attached hereto. This Master Contract shall be null and void if such certification is expired, revoked, rescinded, or otherwise nullified during the effective period of this contract.

1.6 TERM OF MASTER CONTRACT

Neither the CONTRACTOR nor the LEA is required to renew this contract in subsequent contract years. In the event that a pupil is enrolled with the CONTRACTOR during the term of this contract and said pupil continues to receive special education and/or related services by the CONTRACTOR as approved by the LEA in accordance with the pupil's IEP/IFSP and either (a) a new contract has not been fully executed or (b) the CONTRACTOR or the LEA chooses not to renew this contract, the terms of this contract and associated Individual Service Agreements shall apply to any and all special education and/or related services provided by CONTRACTOR and payment for those services by the LEA.

Upon agreement of both parties to this Master Contract, its provisions shall be retroactive to the beginning of this contract year (July 1st), to cover services provided by the CONTRACTOR to LEA students, unless otherwise mutually agreed upon by both parties.

The term of this Master Contract shall be from _____, 20 _____ to _____, 20 _____.

Any subsequent Master Contract is to be renegotiated prior to June 30 of each year.

This Master Contract has no force or effect until approved or ratified by the LEA's Governing Board.

1.7 COMPLIANCE WITH APPLICABLE FEDERAL AND STATE LAWS

During the term of this contract, the CONTRACTOR and LEA shall comply with all applicable federal and state laws and regulations relating to the required special education and designated instruction and services and facilities for individuals with exceptional needs, including those not expressly documented in this Master Contract.

a. Nondiscrimination

The CONTRACTOR and the LEA shall not discriminate on the basis of race, religion, sex, national origin, age, sexual orientation disability or any other classification protected by federal or state laws in employment or operation of its programs.

b. Sexual Harassment Policy

The CONTRACTOR shall have a written policy on sexual harassment in accordance with state and federal regulations and guidelines.

c. Corporal Punishment Prohibitions

(l) No public education agency, or nonpublic school or agency serving individuals pursuant to Education Code Section 56365 et seq., may authorize, order, consent to, or pay for any of the following interventions, or any other interventions similar to or like the following:

- (1) Any intervention that is designed to, or likely to, cause physical pain;
- (2) Releasing noxious, toxic or otherwise unpleasant sprays, mists, or substances in proximity to the individual's face;
- (3) Any intervention which denies adequate sleep, food, water, shelter, bedding, physical comfort, or access to bathroom facilities;
- (4) Any intervention which is designed to subject, used to subject, or likely to subject the individual to verbal abuse, ridicule or humiliation, or which can be expected to cause excessive emotional trauma;
- (5) Restrictive interventions which employ a device or material or objects that simultaneously immobilize all four extremities, including the procedure known as prone containment, except that prone containment or similar techniques may be used by

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trained personnel as a limited emergency intervention pursuant to subsection (i) of Ed Code Section 56521.2 (a) (5)
(6) Locked seclusion, except pursuant to subsection (i)(4)(A) of Ed Code Section 56521.2 (a) (6)
(7) Any intervention that precludes adequate supervision of the individual; and
(8) Any intervention which deprives the individual of one or more of his or her senses.

d. Student Discipline

Contractor shall maintain and abide by a written policy for student discipline that is consistent with state and federal law and regulations, such that students who exhibit serious behavioral challenges receive timely and appropriate assessments and positive supports and interventions in accordance with the federal Individuals with Disabilities Education Act and its implementing regulations.

When a CONTRACTOR seeks to remove a student from his/her current educational placement for disciplinary reasons, CONTRACTOR shall immediately submit a written discipline report to the LEA and a manifestation IEP team meeting shall be scheduled by the LEA. Written discipline reports shall include, but not be limited to: the student's name; the time, date, and description of the misconduct; the disciplinary action taken by CONTRACTOR; and the rationale for such disciplinary action. A copy of the student's behavioral plan, if any, shall be submitted with the written discipline report. CONTRACTOR and LEA agree to participate in a manifestation determination at an IEP meeting no later than the tenth (10th) day of suspension.

e. Behavioral Emergency Reports (Ed. 56521.1(a))

(1) Anytime an emergency intervention is used pursuant to Ed Code Section 56521.1(a) subsection (i), CONTRACTOR must notify LEA and IEP team immediately and document emergency intervention in a "Behavioral Emergency Report" as defined by 56521.1(e).

(2) Whenever a "Behavioral Emergency Report" is written regarding an individual who does not have a behavioral intervention plan, the designated responsible administrator shall, within two days, schedule an IEP team meeting to review the emergency report, to determine the necessity for a functional behavioral assessment, and to determine the necessity for an interim behavioral intervention plan.

(3) Anytime a "Behavioral Emergency Report" is written regarding an individual who has a behavioral intervention plan, any incident involving a previously unseen serious behavior problem or where a previously designed intervention is not effective should be referred to the IEP team to review and determine if the incident constitutes a need to modify the plan.

(4) "Behavioral Emergency Report" data shall be collected by CONTRACTOR and be submitted to LEA.

(5) A summary of Behavioral Emergency Reports shall be submitted at least monthly to the LEA and the Director of the Special Education Local Plan Area of which the LEA is a member.

1.8 DEFINITIONS

"DAYS": For the purpose of the contract, "days" refers to calendar days unless otherwise specified.

"PARENT": For the purpose of the contract, a parent (34CFR 300.3Da) is the natural parent, adoptive parent, or legal guardian or any other adult granted educational decision-making rights by the natural or adoptive parent or a court of competent jurisdiction. A trained, certified surrogate parent, identified by the LEA, may act on behalf of the pupil if no parent, guardian or person acting as a parent can be located. The LEA shall be responsible for providing a translator for the parent if needed.

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SECTION 2: ADMINISTRATION OF CONTRACT

2.1 NOTICES

Notices provided for by this contract shall be in writing, be delivered to the individual identified below in this section, and shall be delivered by certified, registered, or return receipt requested mail, postage prepaid, or by facsimile transmission, unless a specific section of this contract requires or allows notice or contact to be made in a different manner or to a different individual. The effective date of an invoice shall be the date of its receipt by the LEA. The effective date of all other notices shall be the date of the postmark or of the facsimile transmittal date identified in the document. In the event there is a change in the individual to be notified, the CONTRACTOR or the LEA shall provide written notice of the change and, after such notice is provided, all future notices shall be addressed to that individual. Notice may be provided under this section pursuant to regular United States mail if the LEA and CONTRACTOR agree in writing to notice by regular United States mail. If the LEA or CONTRACTOR does not identify an individual to be notified in this section, the person to be notified under this section shall be the LEA or CONTRACTOR representative that executes this contract.

Notices mailed to the LEA shall
be addressed to:

Name/Title

Local Education Agency

Address

City State Zip

()

Phone

()

Facsimile

Email Address

Notices to the CONTRACTOR shall
be addressed to:

Name/Title

Nonpublic School

Address

City State Zip

()

Phone

()

Facsimile

Email Address

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2.2 INDEPENDENT CONTRACTOR STATUS

This contract is by and between two independent contractors and is not intended to and shall not be construed to create the relationship of agent, servant, employee, partnership, joint venture or association.

2.3 SUBCONTRACT AND ASSIGNMENT

The CONTRACTOR shall not enter into an initial subcontract with any noncertified Nonpublic Agency (NPA) or provider, for any of the instructional or related services contemplated under this contract without first obtaining written approval by a representative of the San Diego County Office of Education (i.e. County Director of Special Education or a SELPA Director). Such approval shall not be unreasonably withheld. The LEA and CONTRACTOR shall maintain a copy of the written approval.

2.4 INDEMNIFICATION

The CONTRACTOR hereby indemnifies, defends, and holds harmless the LEA, its Board, officers, employees, agents, independent contractors, consultants and other representatives from and against any and all liabilities, claims, demands, costs, losses, damages, or expenses, including reasonable attorneys' fees and costs, and including but not limited to consequential damages, loss of use, extra expense, cost of temporary classrooms, that arise out of or result from, in whole or in part, the negligent, wrongful or willful acts or omissions of the CONTRACTOR, its employees, agents, subcontractors, independent contractors, consultants, or other representatives.

The LEA hereby indemnifies, defends, and holds harmless the CONTRACTOR, its Board, officers, employees, agents, independent contractors, consultants and other representatives from and against any and all liabilities, claims, demands, costs, losses, damages, or expenses, including reasonable attorneys' fees and costs, and including but not limited to consequential damages, loss of use, extra expense, cost of temporary classrooms, that arise out of or result from, in whole or in part, the negligent, wrongful or willful acts or omissions of the LEA, its employees, agents, subcontractors, independent contractors, consultants, or other representatives.

The CONTRACTOR shall have no obligation to indemnify, defend, or hold harmless the LEA, its Board, officers, employees, agents, independent contractors, consultants, and other representatives for the LEA's sole negligence or willful misconduct; and the LEA shall have no obligation to indemnify, defend, or hold harmless the CONTRACTOR, its Board, officers, employees, agents, independent contractors, consultants and other representatives for the CONTRACTOR'S sole negligence or willful misconduct. This indemnity shall survive the termination of the Contract or final payment hereunder, and is in addition to any other rights or remedies that the CONTRACTOR or LEA may have under the law or this contract.

2.5 INSURANCE

During the entire term of this contract and any extension or modification thereof, the CONTRACTOR shall keep in effect a policy or policies of general liability insurance, including contractual liability coverage, professional liability, and auto liability coverage of owned and non-owned vehicles used by CONTRACTOR in relation to the performance of service(s) under this Master Contract, with minimum limits of one million dollars (\$1,000,000) per occurrence, and three million dollars (\$3,000,000) in aggregate. Such insurance shall name LEA as an additional insured, and an endorsement evidencing such coverage shall be provided within 90 days, only as to matters arising out of this Master Contract for which CONTRACTOR has an obligation to indemnify the LEA, under the Indemnification clause, Section 2.6, of this Master Contract.

Not later than the effective date of this contract, the CONTRACTOR shall provide the LEA with satisfactory evidence of insurance. The insurance maintained by CONTRACTOR shall include a provision for the insurance provider to send written notice of cancellation or modification to the CONTRACTOR at least 30 calendar days before cancellation or adverse material change, or 10 days for nonpayment of premium. Such CONTRACTOR'S insurance may contain the same notice requirement for the LEA. If the insurance provider is only required to send such notice to the CONTRACTOR (but not the LEA) CONTRACTOR shall provide the LEA written notice of cancellation or adverse material modification within one business day after receiving such notice from the insurer. Such notice shall be provided pursuant to Section 2.3 (Notices) of this contract. The CONTRACTOR shall at its own cost and expense procure and maintain insurance under the applicable state's Workers' Compensation laws. Failure to maintain the above mentioned insurance coverage shall be cause for termination of this contract.

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LEA warrants that it is self-insured in compliance with the laws of the State of California, that the self insurance covers persons acting on its behalf or under its control, that its self insurance covers LEA's indemnification obligations to CONTRACTOR under this contract, and that LEA agrees to provide coverage to CONTRACTOR pursuant to this self insurance in the event the indemnification obligations of Section 2.6 of this contract are triggered. The LEA further warrants that it shall notify the CONTRACTOR pursuant to Section 2.3 (Notices) of this contract, of any material insurance coverage changes at least thirty days prior to the change.

CONTRACTOR agrees that any subcontractor with which it contracts to provide services pursuant to any Individual Services Agreement, shall submit written proof of insurance in a minimum amount of \$1,000,000 per occurrence, including general, liability, auto liability (if applicable), and professional liability (if applicable). Such insurance shall be maintained by any subcontractor for the scope of duties performed and duration of time it provides services to LEA pupils. Proof of insurance shall be provided to the LEA prior to the beginning of transportation services by a subcontractor, and upon renewal of coverage thereafter. Transportation subcontractors shall submit copies of insurance policies upon request of the LEA; otherwise, certificates of insurance may be acceptable proof, provided that the information thereon is adequate and verifiable. Subcontractors shall be required to provide to the CONTRACTOR written notice of cancellation of insurance or adverse material change in such insurance at least 30 days prior to cancellation or adverse material change or within one business day after receiving such notice, whichever is earlier.

2.6 TRANSPORTATION

Transportation costs are the responsibility of the LEA unless otherwise agreed to in writing. The CONTRACTOR shall provide each pupil whom the CONTRACTOR transports with adequate supervision during transports and with instruction in school bus emergency procedures and passenger safety, as appropriate to the pupil's needs. The CONTRACTOR shall have in place a transportation safety plan containing procedures for school personnel to follow to ensure the safe transport of pupils.

In the event the CONTRACTOR transports students due to health, behavior, or other emergencies, or as otherwise agreed to between the CONTRACTOR and the LEA, the LEA shall reimburse CONTRACTOR at the rate specified in this Master Contract (Rate Schedule - Schools: Section 4.1, Agencies: Section 5.1).

2.7 WAIVERS

The LEA and/or CONTRACTOR may independently or jointly submit waivers of applicable state laws and regulations.

2.8 SUCCESSORS IN INTEREST

This contract binds the CONTRACTOR's successors and assignees. CONTRACTOR shall not assign this Master Contract without the written consent of LEA, and any attempt by Contractor to effect such an assignment without the written consent of LEA shall make this Master Contract terminable at the option of the LEA.

2.9 SEVERABILITY

If any provision or portion of a provision of this contract is held in whole or in part to be unenforceable for any reason, the remainder of the provision and of the entire contract shall be severable and shall remain in effect.

2.10 CONFLICTS OF INTEREST

a. The CONTRACTOR agrees to furnish to the LEA a copy of its current bylaws and a current list of its Governing Board of Directors (or Trustees), if it is incorporated. LEA has the right to request a current list of the Board of Directors or Trustees at any time during the term of the Master Contract.

b. CONTRACTOR and members of its Board of Directors (or Trustees) shall disclose any relationship with LEA that constitutes or may constitute a conflict of interest including, but not limited to, employment with LEA, provisions of private party assessments and/or reports, and attendance at the IEP team meetings and/or due process proceedings.

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c. Anytime the CONTRACTOR is contracted to conduct a formal Independent Educational Evaluation (IEE), and the IEP team determines that services are necessary as a result of that IEE the LEA shall be obligated to select a service provider who is not the CONTRACTOR. Unless, a service provider who is not the CONTRACTOR is unavailable or unable to provide that service.

2.11 INABILITY TO MEET CONTRACT REQUIREMENTS

The CONTRACTOR shall notify the LEA in writing when the CONTRACTOR is unable to meet the requirements of this contract. The LEA shall notify CONTRACTOR in writing when the LEA is unable to meet the requirements of this contract.

2.12 DISPUTE RESOLUTION

Disagreements concerning the meaning, requirements or performance of this contract shall first be brought to the attention of the other party in writing, pursuant to the notice provisions (Section 2.3) of this contract, in an attempt to resolve the dispute at the lowest level. Any remaining disputes or disagreements may be resolved either 1) as voluntarily agreed to by the parties, 2) by equitable remedies, or 3) by other legal means.

2.13 DUE PROCESS AND COMPLAINT PROCEDURES

CONTRACTOR and LEA shall comply with all applicable federal and state laws and regulations related to Due Process and the rights of students and parents.

CONTRACTOR agrees to maintain policies and procedures as follows: (1) Uniform Complaint Procedures pursuant to Title 5 of the California Code of Regulations section 4600 *et seq.*; (2) Nondiscrimination policy pursuant to Title 5 of the California Code of Regulations section 4960 (a); (3) Sexual Harassment Policy, California Education Code 231.5 (a) (b) (c); (4) Title IX Student Grievance Procedure, Title IX 106.8 (a) (d) and 106.9 (a); and (5) Notice of Privacy Practices in compliance with Health Insurance Portability and Accountability Act (HIPAA).

2.14 VENUE AND GOVERNING LAW

This contract, and conditions of this contract, shall be governed by the laws of the State of California with venue in San Diego County, California.

2.15 RIGHT TO REPORT MASTER CONTRACT VIOLATIONS

The CONTRACTOR acknowledges and understands that the LEA may report to the CDE any violations of the provisions of this contract; and that may result in the suspension of the CDE nonpublic school certification pursuant to California EC section 56366.4(a).

2.16 TERMINATION OF MASTER CONTRACT AND/OR INDIVIDUAL SERVICES AGREEMENT

a. Master Contract

Either the LEA or the CONTRACTOR may terminate this Master Contract for cause as set forth in EC section 56366(a)(4), with twenty (20) days written notice pursuant to Section 2.3 of this contract, or immediately if the CONTRACTOR and LEA mutually agree that there are significant health or safety concerns. Cause shall include but not be limited to non maintenance of current nonpublic school certification, failure of either the LEA or the CONTRACTOR to maintain the standards required under the Master Contract and/or Individual Services Agreement, or material breach of the contract by CONTRACTOR or LEA. To terminate the contract either party shall give a minimum of 20 days written notice pursuant to the provisions of Section 2.3 (Notices) of this contract. Upon termination, the LEA shall pay within 45 days, without duplication, for all services performed and expenses incurred to date of termination according to the provisions set forth in Schools Document Section 4.1, Agencies Document Section 5.1 (Rate Schedule) and Main Document Section 4.1 (Billing and Payment) of this contract. CONTRACTOR shall provide to the LEA the IEP/IFSP and all related documents in its possession or under its control pertaining to its services,

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for all pupils of the LEA who were receiving services from the CONTRACTOR in accordance with applicable state and federal laws regarding student records.

b. Individual Services Agreement

The Individual Services Agreement may be terminated or suspended by the LEA or the CONTRACTOR for cause, as set forth in EC section 56366(a)(4), with twenty (20) days written notice pursuant to Section 2.3 (Notices) of this contract, or immediately if the CONTRACTOR and the LEA mutually agree that there are significant health or safety concerns.

Individual Services Agreements are null and void upon termination of the Master Contract.

The LEA shall not terminate Individual Services Agreements because of the availability of a public class initiated during the course of the contract unless the parent agrees to the transfer of a pupil to a public school program, which agreement must only be given in a duly called and held IEP/IFSP meeting at which the CONTRACTOR is present.

2.17 INDIVIDUALIZED EDUCATION PROGRAM (IEP) / INDIVIDUALIZED FAMILY SERVICE PLAN (IFSP)

When a pupil is accepted for enrollment in a nonpublic school, the CONTRACTOR shall provide the pupil a program of educational instruction and services within the nonpublic school, which is consistent with his or her IEP/IFSP as specified in each pupil's Individual Services Agreement.

The CONTRACTOR shall implement those responsibilities delegated to CONTRACTOR in the plan for transition services (per EC section 56445 and EC section 56462) as stated by the IEP/IFSP.

The CONTRACTOR shall provide an appropriate adult to pupil ratio for pupils with exceptional needs between three and five years of age, in accordance with EC 56441.5.

The LEA shall invite the CONTRACTOR and the CONTRACTOR shall participate in all IEP/IFSP meetings, including those related to placement and those called by the parent in accordance with EC section 56343.5, so long as the pupil is to be served by the CONTRACTOR pursuant to an Individual Services Agreement. The child's present teacher shall participate in the IEP meeting in accordance with EC 56341(b)(3). Every effort shall be made to schedule the meeting at a time and place that is mutually convenient to parents, CONTRACTOR's staff, and LEA's staff.

The local educational agency shall oversee and evaluate the pupil's placement in the NPS through the IEP process. The IEP team shall evaluate whether the pupil is making appropriate educational progress through a review of the student's progress toward IEP goals and, as appropriate, a review of the pupil's scores on state assessments. If the NPS staff or LEA will be making recommendation(s) for significant changes to the student's program, placement or services, the LEA Case Manager and representative of the NPS shall discuss the recommendation(s) prior to the IEP meeting. The IEP team will consider whether or not the needs of the pupil continue to be best met at the nonpublic school, whether changes to the pupil's IEP are necessary, and whether the pupil may be transitioned to a public school setting (EC 56366(a)(2)(B), EC 56343(d), EC 56043(h)). Partial day attendance at the NPS may be appropriate to support transition to a public school program.

2.18 FREE APPROPRIATE PUBLIC EDUCATION

No charge of any kind to parents shall be made by the CONTRACTOR for educational activities and related services specified on the pupil's IEP/IFSP, including screening or interviews which occur prior to or as a condition of a pupil's enrollment under the terms of the contract, except as specified in writing in a due process procedure that is signed by all relevant parties and attached to the relevant pupil's Individual Services Agreement, or for voluntary extracurricular activities conducted subsequent to written notification to parents as to the cost and the voluntary and extracurricular nature of the activity. Unless the activity (for example, field trips) takes place during a school vacation or holiday, pupils not participating in such activities shall continue to receive special education and/or related services as set forth in their IEP/IFSPs.

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2.19 TRANSITION TO A LRE

CONTRACTOR & LEA shall support Least Restrictive Environment options, including dual enrollment, if appropriate, for students enrolled in NPS to have access to the general curriculum and to be education with nondisabled peers to the maximum extent appropriate.

CONTRACTOR & LEA shall address LRE placement options for students enrolled in NPS at all IEP team meetings, including whether the students may be transitioned to a public school setting.

When an IEP team has determined that a student should be transitioned into the public school setting, CONTRACTOR shall assist the LEA in implementing the IEP team's recommendations activities to support the transition.

2.20 PUPIL PROGRESS

The CONTRACTOR shall have written procedures in place for measuring progress utilizing on-going data collection in the goal areas identified on the IEP/IFSP.

The CONTRACTOR shall provide to parents and the LEA case manager written pupil progress reports on the goals in the IEP/IFSP, no less than quarterly. The CONTRACTOR shall submit an updated report if there is no current progress report when pupils are scheduled for a review by the IEP/IFSP team or when a pupil's enrollment is terminated.

The CONTRACTOR shall allow periodic review of each pupil's instructional program by the LEA. Representatives of the LEA shall have reasonable access to observe each pupil at work, observe the instructional setting, meet with the CONTRACTOR and review each pupil's progress, including the behavioral intervention plan, if any. LEA representatives making site visits shall initially report to the CONTRACTOR's site administrative office.

2.21 ASSESSMENTS

a. Individual Student Assessments

If the CONTRACTOR receives a parent request for evaluation, the CONTRACTOR shall inform the parent of his or her ability to submit a written request for evaluation to the LEA in accordance with applicable law. The LEA shall collaborate with the CONTRACTOR to develop the evaluation plan and submit it to the parent for approval. The LEA retains the responsibility for conducting triennial evaluations (EC 56381(c)).

2.22 CONFIDENTIALITY OF RECORDS

All reports, records and other documents that CONTRACTOR is required to submit to LEA, the Special Education Local Plan Area, or otherwise, pursuant to this contract, shall be redacted to the extent necessary and appropriate to protect the confidentiality and privacy of pupils, employees, and subcontractors, as provided for pursuant to state and federal law.

2.23 FORWARDING OF EDUCATIONAL RECORDS

The CONTRACTOR agrees, in the event of school closure, to immediately forward pupil records to the LEA pertaining to the LEA's pupils enrolled in CONTRACTOR's educational program. These records shall include, but need not be limited to, current transcripts, IEP/IFSPs and results of performance testing.

2.24 DATA REPORTING

CONTRACTOR agrees to provide LEA with all student information required for LEA to report to the California Longitudinal Pupil Achievement Data System (CALPADS) as well as other data as required by Every Student Succeeds Act (ESSA) or any federal data reporting requirements, including, but not limited to, data required to calculate enrollment and dropout and graduation rates.

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SECTION 3: PERSONNEL

3.1 VERIFICATION OF CREDENTIALS, LICENSES AND OTHER QUALIFICATIONS

The CONTRACTOR shall provide all contracted special education, and/or related services required by the IEP/IFSP, Master Contract and Individual Services Agreement by appropriately qualified staff. The CONTRACTOR shall provide appropriately credentialed teachers and/or licensed or license-eligible personnel or other education related mental health provider consistent with the California laws and regulations unless the California Department of Education has granted a written waiver. The CONTRACTOR shall be responsible for monitoring the status of waiver applications submitted to the state for all non-credentialed teachers and non-licensed service providers. All non-credentialed teachers and non-licensed service providers shall apply for a waiver.

For a NPSs A-G course credits, only University of California A-G approved courses will be accepted by contracting districts.

The CONTRACTOR shall be responsible for verification of credentials and licenses held by its employees, agents and subcontractors. Once the CONTRACTOR has provided the LEA with a copy of the credential or license for all staff providing services to children with disabilities, the CONTRACTOR shall supply the LEA with copies of any changes in the credentials or licenses of staff within 45 days of the change in accordance with Title 5, Section 3062.

The CONTRACTOR is fiscally responsible for all training necessary to provide appropriate services per IEP/IFSP. The LEA shall not reimburse CONTRACTOR for training that occurs outside of contact time with student, and that is not during implementation of IEP/IFSP.

Where behavior intervention services are provided by a nonpublic agency, the CONTRACTOR shall train staff in implementing the behavior support plan or Behavior Intervention Plan and pupils shall receive the level of supervision required in the pupil's IEP/IFSP.

The CONTRACTOR shall comply with all laws and regulations governing the licensed professions, including the provisions with respect to supervision.

3.2 EMPLOYEE FINGERPRINTS AND TUBERCULOSIS TESTING

The CONTRACTOR shall ensure that employee fingerprints have been processed in a manner required by EC section 44237. The CONTRACTOR shall maintain a file containing a current certificate of each person covered by Health and Safety Code Sections 121525-121555 (tuberculosis testing). In addition, contractor will adhere to all of the requirements under AB 389.

3.3 QUALIFICATIONS OF INSTRUCTIONAL AIDES AND TEACHER ASSISTANTS

Effective July 1, 2001 the CONTRACTOR shall ensure that newly hired instructional aides and teacher assistants have demonstrated proficiency in basic reading, writing, and mathematics skills, based on a test selected and administered by the CONTRACTOR.

3.4 REQUIREMENT TO REPORT

a. Child Abuse or Molestation

The CONTRACTOR shall maintain a signed statement by all personnel required to sign such a statement under the child abuse reporting laws, acknowledging their training and understanding of the reporting requirements regarding observed or suspected cases of child abuse. When filing a child abuse report under the Child Abuse Reporting laws, the CONTRACTOR shall include in the report the name, telephone number and address of the LEA representative as identified in Section 2.3 (Notices) of this contract.

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b. Missing Students

The CONTRACTOR shall ensure that staff is aware of its responsibility and requirement to report to parents, and local law enforcement as appropriate, when a pupil leaves campus without permission, immediately upon confirmation that the pupil is missing, in accordance with EC 49370. The CONTRACTOR shall contact the LEA Case Manager by telephone no later than the end of the day in the event a pupil leaves campus without permission, does not return that school day, and is not located at his or her residence or in the custody of his or her parent or guardian.

c. Student Injury

The CONTRACTOR agrees to complete a written report when a pupil has suffered an injury that requires medical attention, and notify the LEA case manager within 48 hours.

In case of incident, the CONTRACTOR agrees to submit a written report to the LEA case manager by the end of the following school day, in cases of injury resulting from physical restraint or the death of a student. The CONTRACTOR agrees to reasonably participate in any communications between a pupil's parents and the LEA regarding any injuries resulting from physical restraint.

SECTION 4: FISCAL

4.1 BILLING AND PAYMENT

a. Invoices

The CONTRACTOR shall submit invoices monthly. The effective date of an invoice shall be the date of the receipt by the LEA. Invoices should clearly reflect rates as specified in the Master Contract, be in accordance with the Individual Services Agreements, and include all days of creditable service, beginning no earlier than the date specified in the Interim Written Approval or ISA. The CONTRACTOR shall submit said invoice for services rendered no later than thirty (30) days from the end of the attendance accounting period calendar month in which said services are actually provided and the invoice shall be submitted pursuant to Section 2.3 (Notices) of this contract. All education related mental health services will be billed by contractor in separate invoice.

b. Late Invoices

If the LEA does not receive a properly submitted invoice within thirty (30) days from the end of the attendance accounting period calendar month, the LEA may deduct 1.5% per month, calculated proportionately per day, of that total invoice, if the LEA does not agree to the request of the CONTRACTOR to an extension of time to submit the invoice.

c. Payment

The LEA shall make payment within forty-five (45) days of receipt of a properly prepared and submitted invoice and such payment shall be submitted pursuant to Section 2.3 (Notices) of this contract. This payment shall be at the rates agreed to in the Rate Schedule (See Appendix A for Schools, B for Agencies, and C for Room and Board) of this contract and shall be in an amount equal to the number of creditable days of attendance during both the regular and extended school years, make-up sessions (including "excused" absences) per the individual services agreement for each pupil. This calculation shall include the Extended School Year if the pupil is enrolled in the Extended School Year, and any other absence for which the LEA has agreed to pay CONTRACTOR and any related services and transportation costs as specified in the Rate Schedule (See Appendix A for Schools, B for Agencies, and C for Room and Board) of this contract and in accordance with the Individual Services Agreements. If no notice of withholding is provided to CONTRACTOR within 10 working days of receipt of an invoice, the LEA shall not withhold any payment. Payment by the LEA shall refer to the invoice number or the date of the bill submitted by the CONTRACTOR.

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d. Pupil Enrolled Prior to Approval of Agreement to a Contract

Ed Code addresses situations when a contract has not yet been developed and the pupil is enrolled and receiving services from the Nonpublic School or Agency (ED 56366.9 c (1)).

"If a pupil is enrolled in a nonpublic, nonsectarian school or agency with the approval of the local educational agency prior to agreement to a contract or individual services agreement, the local educational agency shall issue a warrant, upon submission of an attendance report and claim, for an amount equal to the number of creditable days of attendance at the per diem tuition rate agreed upon prior to the enrollment of the pupil. This provision shall be allowed for 90 days during which time the contract shall be consummated."

e. Late Payment

If the payment is not postmarked from the LEA within forty-five (45) days of the receipt of the invoice, the LEA agrees to pay an additional fee of 1.5% interest per month on amounts not paid, such interest being calculated beginning day forty-six (46) from receipt of the invoice. Interest shall be calculated in accordance with standard accounting procedures. The CONTRACTOR shall bill the LEA for the interest. Failure by the LEA to pay an appropriately submitted invoice within 90 days of receipt may be considered a breach of contract.

f. Medi-Cal Reimbursement

Documentation of LEA Medi-CAL Billable Services will be completed by the provider. All documentation of provider services shall be given to the District/SELPA for reimbursement submissions to Medi-Cal. The contractor will not submit any claims in the LBO (LEA) program and the LEA has the right to submit claims for reimbursement.

4.2 RIGHT TO WITHHOLD

The LEA has the right to withhold payment to the CONTRACTOR when the LEA has reliable evidence, described in writing to the CONTRACTOR at the time the notice of withholding is submitted that: (A) service is provided by personnel who are not appropriately credentialed/licensed; (B) records required by the LEA prior to school closure with respect to one or more LEA pupil(s) enrolled in CONTRACTOR's educational program have not been received; (C) the CONTRACTOR confirms a pupil's change of residence to another district but neglects to notify the LEA within 5 days; or (D) the CONTRACTOR fails to notify the LEA within 5 days after the 10th consecutive school day of a pupil's absence. If the basis for withholding is subsections (B) (C) or (D) of this section the LEA may only withhold the proportionate amount of the bill related to that pupil. If the basis for withholding is subsection (A) of this section, the LEA may only withhold payment for services provided by that personnel.

The LEA shall notify CONTRACTOR in writing within 10 working days of receipt of an invoice of any reason why requested payment shall not be paid. (EC section 56366.5(a)). Such notice shall specify the basis for the LEA's withholding payment and shall be made pursuant to Section 2.3 (Notices) of this contract. If no notice of withholding is provided to CONTRACTOR within 10 working days of receipt of an invoice, the LEA shall not withhold any payment. Within fourteen (14) days from the date of receipt of such notice, the CONTRACTOR shall take all necessary and appropriate action to correct the deficiencies that form the basis for the LEA's withholding payment. Upon receipt of the CONTRACTOR'S written request showing good cause sent pursuant to Section 2.3 (Notices) of this Contract, the LEA shall extend the CONTRACTOR'S time to respond by an additional fourteen days. The CONTRACTOR shall submit rebilling for payment no later than thirty (30) calendar days when an invoice is returned to the CONTRACTOR with a notice of withholding. Upon verification of remediation of identified deficiencies and receipt of rebilling, the LEA shall pay the resubmitted invoice in accordance with Schools: Section 4.1, Agencies: Section 5.1 (Rate Schedule) of this contract. If CONTRACTOR does not resubmit sufficient rebilling or verify remediation of identified deficiencies within thirty (30) calendar days, that shall constitute a reason to continue to withhold payment unless and until CONTRACTOR resubmits the bill and corrects the deficiencies as noted in the original notice of withholding.

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4.3 INSPECTION AND AUDIT

a. Maintenance of Fiscal Records

The CONTRACTOR shall maintain cost data in sufficient detail to verify the annual operating budget in providing education and designated instructional services to children with disabilities and shall make that data available to the LEA upon reasonable request consistent with the provisions of this section. Fiscal records shall be maintained by the CONTRACTOR for five years and shall be available for audit consistent with the provisions of this section.

b. Maintenance of Student Records

District of residence is the custodian of the student records.

c. LEA Access to Documents Related to the Master Contract

The CONTRACTOR shall provide access to, or forward copies of, any documents or other matters relating to the contract within 20 days upon reasonable request by the LEA except as otherwise provided by law. The reason for this request for records shall be provided to the CONTRACTOR at the time it is made. The CONTRACTOR may request from the LEA an extension of time to comply with any records request, which shall not be unreasonably withheld. Such documents may include: 1) registers and roll books of teachers; 2) daily service logs and notes or other documents used to record the provision of related services; 3) absence verification records; 4) transportation records; 5) staff lists specifying credentials held, business and/or professional licenses held documents evidencing other qualifications; 6) dates of hire, and dates of termination; 7) staff time sheets; 8) non-paid volunteer sign-in sheets; 9) related services contracts; 10) school calendars; 11) bell/class schedules; 12) liability and workers' compensation insurance policies; 13) state nonpublic school certifications; 14) marketing materials; 15) statements of income and expenses; 16) general ledgers and supporting documents; 17) all budgetary information and projections submitted by the CONTRACTOR to LEA for purpose of contract negotiations.

d. Audit Exceptions

The CONTRACTOR agrees to accept responsibility for receiving, replying to, and/or complying with any audit exceptions identified by appropriate LEA personnel or State or Federal audit agencies occurring as a result of the CONTRACTOR's performance of this contract. The CONTRACTOR also agrees to pay to the LEA within thirty days of demand by LEA for any financial penalties resulting from any audit exceptions to the extent they are attributable to the CONTRACTOR's failure to perform properly any of its obligations under this contract unless the LEA agrees to different terms in writing and any demand by LEA for such payment shall be made pursuant to the notice provisions of Section 2.3 of this contract. Any, and all audit exceptions must be specified in complete detail before any demand from the LEA for any amount set forth therein.

e. Reasons for Unannounced Visits

LEA and/or Special Education Local Plan Area representatives may make unannounced inspections when there is a concern regarding the health, safety, or welfare of a child, or a substantial concern regarding the implementation of the IEP.

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SECTION 5: SIGNATURES

This Nonpublic Master Contract 2017-2018, including its component parts, may be signed in counterparts and the signatures may appear on separate signature pages. A copy and/or original, with all signatures attached, shall be deemed a fully executed document. A facsimile version of any party's signature shall be deemed an original. The parties hereto have executed this Contract by and through their duly authorized agents or representatives as indicated by their signatures.

This contract is effective on _____ and terminates at 5:00 p.m. on _____ unless sooner terminated as provided herein.

CONTRACTOR

Nonpublic ☐ School ☐ Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

APPROVED AS TO FORM:

SELPA DIRECTOR

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA

Local Educational Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA Board Approval

DATE: _____

LEA: _____ Nonpublic: _____

2017-2018
Nonpublic
Master Contract

Appendix B: Agencies



San Diego County Office of Education
Student Services and Programs Division
Special Education Department

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

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SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

NONPUBLIC MASTER CONTRACT
Appendix B: Agencies

CONTRACT YEAR _____

SECTION 1: EDUCATIONAL PROGRAM

1.1 ADMISSION/ENROLLMENT PROCEDURES

Prior to the CONTRACTOR deciding whether or not to enroll a pupil, the LEA shall provide the CONTRACTOR a copy of the pupil's current IEP/IFSP, and facilitate an observation of the pupil, data gathering from the current or prior education providers, and any other reasonable information gathering CONTRACTOR wishes to undertake prior to making an enrollment decision. The CONTRACTOR retains the right to decline enrollment of any pupil and nothing in this contract shall be construed to limit this right.

If a pupil is being considered for enrollment, his or her IEP/IFSP shall be reviewed in collaboration with the LEA, CONTRACTOR, parents, and other invited participants, as appropriate.

The CONTRACTOR shall notify the LEA of its decision to decline enrollment or the effective date of enrollment of the pupil in accordance with Section 9 (Notices) of this contract within 10 working days of receipt of the referral.

1.2 SUPPLIES AND EQUIPMENT

The CONTRACTOR shall be responsible for providing all standard and usual supplies and equipment required for the general program provided by CONTRACTOR. If an individual pupil's IEP/IFSP requires specialized equipment and/or supplies beyond the CONTRACTOR'S general program, the LEA shall provide them unless otherwise specified in the Individual Services Agreement. The LEA shall provide the low incidence equipment assigned to the pupil through the IEP/IFSP unless CONTRACTOR specifically agrees in the Individual Services Agreement to provide the low incidence equipment. Supplies and/or equipment purchased and/or provided by the LEA remain the property of the LEA and supplies and/or equipment purchased and/or provided by CONTRACTOR remain the property of CONTRACTOR, if not specifically reimbursed by the LEA for that specific supply or equipment. If the CONTRACTOR provides DIS and/or related services, the CONTRACTOR shall be responsible for providing usual and reasonable supplies and assessment tools necessary to implement the provision of services unless otherwise agreed in the Individual Services Agreement.

1.3 CALENDAR

The CONTRACTOR shall only provide designated instruction and services during the period of the pupil's regular or extended school year program, or both, at the location designated by the IEP, unless otherwise specified by the pupil's IEP/IFSP. The CONTRACTOR shall observe the following legal holidays including Independence Day, Veteran's Day, Labor Day, Thanksgiving Day, Christmas Day, New Year's Day, Dr. Martin Luther King Jr. Day, President's Day, and Memorial Day, as specified in the CONTRACTOR'S official calendar. Make-up sessions may be scheduled for other days of school vacations.

1.4 PARENT VISITS/COMMUNICATION

- a. The CONTRACTOR shall provide for reasonable parental visits to all of the agency facilities including, but not limited to, the instructional setting attended by pupils and recreational activity areas. CONTRACTOR shall notify case manager or other authorized district representative of all planned parental visits, and provide opportunity for case manager or other district representative to attend visit. The CONTRACTOR shall use its good faith efforts to provide that parental visits are in agreement with a court order, if any.

SAN DIEGO COUNTY NONPUBLIC MASTER CONTRACT
APPENDIX B: AGENCIES
2017-2018

- b. All communication between CONTRACTOR and Parent regarding programmatic decisions must include case manager or other authorized IEP team member, unless authorized by LEA representative or case manager, regarding program recommendations.

1.5 **OWNERSHIP**

All activity plans, token systems, reinforce systems or inventories, visual schedules, data, drills, progress reports, quarterly reports, behavior intervention plans, behavior support plans, behavior graphs, student assessment results, and program materials created specifically for individual pupils by CONTRACTOR under this Agreement shall be the joint property of CONTRACTOR and LEA.

1.6 **STAFF ABSENCES**

When a provider is absent, The CONTRACTOR shall provide appropriate coverage in accordance with EC section 56061. The CONTRACTOR shall provide the LEA the documentation of such coverage upon request. As appropriate, the CONTRACTOR and the LEA may make arrangements for make-up sessions, usually within 30 days, at a mutually convenient time and location if appropriate staff is not available to provide coverage for staff absences.

CONTRACTORS who provide nurses, 1:1 aides or 1:1 behavior intervention staff in accordance with an individual student's IEP/IFSP shall provide substitute coverage when the staff member is absent, unless other arrangements have been made with the LEA on a case by case basis.

SECTION 2: ATTENDANCE

The CONTRACTOR shall keep original records of services provided to each pupil in a register, report or record with the pupil's absences clearly indicated. The CONTRACTOR shall file the signed copies of such service logs with monthly invoices to the LEA within thirty (30) days of the close of the school month. The documents and reports identified in this section shall be provided to LEA pursuant to the provisions in Section 2.3 (Notices) of the Nonpublic Master Contract Main Document. The CONTRACTOR is responsible for verifying accuracy of the service logs and for informing subcontractors of their personal responsibility for the completion and accuracy of said forms. A unit of service for payment purposes is one session as specified in the pupil's IEP/IFSP.

If a pupil's absences exceed more than ten days, the CONTRACTOR may notify the LEA of the intent to terminate the Individual Services Agreement and if it does, at the same time it shall request an IEP/IFSP meeting. Said notice shall be provided pursuant to Section 9 (Notices) of this contract. Upon receipt of this request, the LEA shall convene an IEP/IFSP meeting as soon as possible to review the placement, modify the IEP/IFSP if appropriate, or determine another appropriate placement option for the student.

If a CONTRACTOR attempts to provide services for 5 consecutive days or sessions, and the student is not available for the service, the CONTRACTOR may suspend the Individual Services Agreement and notify the district of the need to convene a meeting of the IEP/IFSP team to attempt to resolve the problem. If a pupil's absences exceed more than ten unreimbursed days, the CONTRACTOR may notify the LEA of the intent to terminate the Individual Services Agreement and if it does, at the same time it shall request an IEP/IFSP meeting. Said notice shall be provided pursuant to Section 9 (Notices) of this contract. Upon receipt of this request, the LEA shall convene an IEP/IFSP meeting as soon as possible to determine another appropriate placement option for the student.

SECTION 3: SAFETY

3.1 **SAFE AND APPROPRIATE ENVIRONMENT**

If nonpublic agency services are not provided on a school site, the CONTRACTOR shall be responsible for providing facilities in which it provides the services agreed to in the Individual Services Agreement, unless there is written agreement to the contrary. CONTRACTOR shall comply with applicable law with respect to the structural specifications of the facilities in which it provides services. CONTRACTOR shall comply with all applicable local, county, and/or state ordinances and statutes relating to fire,

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health, sanitation and building safety. If services are provided at a school site, the CONTRACTOR shall participate in the regularly scheduled fire, earthquake, and disaster drills as appropriate.

When the IEP specifies that NPA services are to be provided in the child's home, the parent/guardian or another adult caregiver designated by the parent shall be present in the home while the services are delivered.

SECTION 4: CONFLICT OF INTEREST

All recommendations for service by CONTRACTOR are the decisions of the IEP team.

To the extent required by EC section 56366.3, CONTRACTOR shall not provide special education and related services, administration, or supervision by an individual who is or was an employee of a contracting district, special education local plan area, or county office within the last 365 days, except if the individual was involuntarily terminated or laid off as part of necessary staff reductions from the contracting district, special education local plan area, or county office. This provision does not apply to any person who is able to provide designated instruction and services during the extended school year because he or she is otherwise employed for up to 10 months of the school year by the district, special education local plan area, or county office. For purposes of this section the special education local plan area shall be the special education local plan area of which the LEA is a member and the county office shall refer to the San Diego County Office of Education.

In terms of determining whether an individual who provides special education and related services, administration, or supervision, is or was an employee of a contracting district, special education local plan area, or county office within the last 365 days or whether the individual was involuntarily terminated or laid off as part of necessary staff reductions from the contracting district, special education local plan area, or county office, the information provided to the CONTRACTOR by the individual in his or her application for employment, resume, or other paperwork, shall be conclusive evidence on this issue for purposes of determining compliance (if required) with EC section 56366.3. No payment shall be withheld or reimbursement demanded from CONTRACTOR if the individual failed to disclose on his or her application, resume, or paperwork, submitted to the CONTRACTOR that he or she is or was an employee of a contracting district, special education local plan area, or county office within the last 365 days or misstates the reason for separation. However, if the LEA subsequently provides CONTRACTOR written notice (pursuant to Section 9 of this contract) that an individual who provides special education and related services, administration, or supervision, is or was an employee of a contracting district, special education local plan area, or county office within the last 365 days (and was not involuntarily terminated or laid off as part of necessary staff reductions) the CONTRACTOR shall have five school days from receipt of the written notice to investigate the matter and to determine the accurate facts and whether the individual should be terminated. The CONTRACTOR shall not be subject to any payment withholding or reimbursement demands ("penalties") for the time period prior to receiving the written notice or for the five school days after such written notice is received.

The CONTRACTOR shall be subject to penalties required by EC section 56366.3, commencing the sixth school day after such notice is provided only if both of the following conditions occur: 1) if it is determined that the individual was an employee of a contracting district, special education local plan area, or county office within the last 365 days and was not involuntarily terminated or laid off as part of necessary staff reductions and 2) if the individual was not terminated prior to the sixth school day after receiving written notice from the LEA, special education local plan, or county office, or did not otherwise stop providing special education and related services, administration or supervision on behalf of CONTRACTOR. If the CONTRACTOR is subject to penalties, the time period for which penalties may be assessed, if required by EC section 56366.3, shall not be retroactive but shall only commence on the sixth school day after the CONTRACTOR received written notice from the LEA as specified in this paragraph. The penalty, if imposed, shall only apply to the salary of the person who was previously employed by an LEA within the last 365 days.

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SECTION 5: FINANCIAL

5.1 RATE SCHEDULE FOR CONTRACT YEAR

The CONTRACTOR: _____

The CONTRACTOR NUMBER: _____

Education service(s) offered by the CONTRACTOR, and the charges for such service(s) during the term of this contract, shall be as follows:

<u>RELATED SERVICES</u>	<u>RATE</u>	<u>PERIOD</u>
<u>Intensive Individual Services (340)</u>	_____	_____
<u>Individual and Small Group Instruction (Ages 3-5 only) (350)</u>	_____	_____
<u>Language and Speech (415)</u>	_____	_____
<u>Language and Speech (415) - SLP-A (Credentialed)</u>	_____	_____
<u>Language and Speech (415) – Speech Therapy Assistant</u>	_____	_____
<u>Language and Speech (415) – Bilingual SLP</u>	_____	_____
<u>Language and Speech (415) - Assessment</u>	_____	_____
<u>Adapted Physical Education (425)</u>	_____	_____
<u>Adapted Physical Education Assessment (425)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care LVN (435)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care RN (435)</u>	_____	_____
<u>Health and Nursing: Specialized Physical Health Care CRN (435)</u>	_____	_____
<u>Health and Nursing: Other Services LVN (436)</u>	_____	_____
<u>Health and Nursing: Other Services RN (436)</u>	_____	_____
<u>Health and Nursing: Other Services CRN (436)</u>	_____	_____
<u>Health and Nursing: Other Services Health Aide/CNA (436)</u>	_____	_____
<u>Assistive Technology Services – Credentialed (445)</u>	_____	_____
<u>Assistive Technology Services - Classified (445)</u>	_____	_____
<u>Assistive Technology Services Assessment (445)</u>	_____	_____
<u>Occupational Therapy (450)</u>	_____	_____

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<u>Occupational Therapy (450) – Certified OT Assistant</u>	_____	_____
<u>Occupational Therapy (460) - Assessment</u>	_____	_____
<u>Physical Therapy (460)</u>	_____	_____
<u>Physical Therapy PT Assistant (460)</u>	_____	_____
<u>Physical Therapy Assessment (460)</u>	_____	_____
<u>Individual Counseling (510)</u>	_____	_____
<u>Counseling and Guidance (515)</u>	_____	_____
<u>Parent Counseling (520)</u>	_____	_____
<u>Social Work Services (525)</u>	_____	_____
<u>Psychological Services (530)</u>	_____	_____
<u>Psychological Services Assessment (530)</u>	_____	_____
<u>Behavior Intervention Services (535)</u>	_____	_____
<u>Behavior Intervention Services (535) - Supervision</u>	_____	_____
<u>Behavior Intervention Services (535) – Other Provider/Beh.Tech</u>	_____	_____
<u>Specialized Services for Low Incidence Disabilities (610)</u>	_____	_____
<u>Specialized Services for Low Incidence Disabilities Assess (610)</u>	_____	_____
<u>Specialized Deaf and Hard of Hearing (710)</u>	_____	_____
<u>Specialized Deaf and Hard of Hearing Assessment (710)</u>	_____	_____
<u>Interpreter Services (715)</u>	_____	_____
<u>Interpreter Services Shift Differential (715)</u>	_____	_____
<u>Audiological Services (720)</u>	_____	_____
<u>Audiological Services Assessment (720)</u>	_____	_____
<u>Specialized Vision Services (725)</u>	_____	_____
<u>Specialized Vision Services Assessment (725)</u>	_____	_____
<u>Orientation and Mobility (730)</u>	_____	_____
<u>Orientation and Mobility Assessment (730)</u>	_____	_____
<u>Braille Transcription (735)</u>	_____	_____

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<u>Specialized Orthopedic Services (740)</u>	<u></u>	<u></u>
<u>Specialized Orthopedic Services Assessment (740)</u>	<u></u>	<u></u>
<u>Reader Services (745)</u>	<u></u>	<u></u>
<u>Note Taking Services (750)</u>	<u></u>	<u></u>
<u>Transcription Services (755)</u>	<u></u>	<u></u>
<u>Recreation Services, Including Therapeutic (760)</u>	<u></u>	<u></u>
<u>College Awareness Preparation (820)</u>	<u></u>	<u></u>
<u>Vocational Assessment, Counseling/Guidance Assessment (830)</u>	<u></u>	<u></u>
<u>Career Awareness (840)</u>	<u></u>	<u></u>
<u>Work Experience Education (850)</u>	<u></u>	<u></u>
<u>Job Coaching (855)</u>	<u></u>	<u></u>
<u>Mentoring (860)</u>	<u></u>	<u></u>
<u>Agency Linkages (referral and placement) (865)</u>	<u></u>	<u></u>
<u>Travel Training (870)</u>	<u></u>	<u></u>
<u>Other Transition Services (890)</u>	<u></u>	<u></u>
<u>Other (900) Music Therapy</u>	<u></u>	<u></u>
<u>Other (900) Vision Therapy</u>	<u></u>	<u></u>
<u>Transportation – Emergency</u>	<u></u>	<u></u>
<u>Bus Passes</u>	<u></u>	<u></u>
<u>Professional Development</u>	<u></u>	<u></u>

NOTES: _____

*Parent transportation reimbursement rates to be set forth in Individual Services Agreements.

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SECTION 6: APPROVALS

CONTRACTOR

Nonpublic Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

APPROVED AS TO FORM:

SELPA DIRECTOR

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA

Local Educational Agency

Authorized Representative Signature

DATE: _____

(Type) Name and Title

LEA Board Approval

DATE: _____

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INTERIM WRITTEN APPROVAL

For Provision of Special Education/Related Services and Payment

Pursuant to Section 1.1 of the Master Contract (Main Document),
the Local Education Agency (LEA) _____
provides to the CONTRACTOR _____
interim written approval for CONTRACTOR to provide the agreed upon Special Education and/or Related Services
identified in the most recent IEP/IFSP of _____,
(Student Name)

at the rates set forth in Schools: Section 4.1 of the Master Contract for the 201____ - 201____ Contract
Year.

Anticipated Student Start Date: _____.

This interim written approval shall be for a maximum period of 90 days, beginning with the anticipated student start date at the nonpublic school or nonpublic agency. If an Individual Services Agreement and/or Master Contract is not completed and executed by the LEA and the CONTRACTOR within this 90 day period, the LEA or CONTRACTOR may request an IEP meeting to be held as soon as possible to discuss a change in placement for the pupil. The LEA shall continue to reimburse the CONTRACTOR as set forth in the interim written approval, or as otherwise agreed by the parties in writing, pending any change in placement or subsequent execution of an Individual Services Agreement.

This interim written approval does not require the CONTRACTOR to provide services for 90 days, or for any maximum period of time. The parties have already agreed, or may agree, to hold an IEP meeting within 30 days of the student's first day of attendance.

Agreed to by the District Representative of the Special Education Unit of the LEA:

Signature

Date

Name/Title

Agreed to by the CONTRACTOR:

Signature

Date

Name/Title

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INDIVIDUAL SERVICES AGREEMENT FOR NONPUBLIC AGENCY SERVICES
(Education Code Sections 56365 et seq.)

This agreement is effective on _____ or the date student begins attending a nonpublic school or receiving services from a nonpublic agency, if after the date identified, and terminates at 5:00 P.M. on June 30, 201_____, unless sooner terminated as provided in the Master Contract and by applicable law.

Local Education Agency _____ Nonpublic Agency _____

LEA Case Manager: Name _____ Phone Number _____

Pupil Name _____ Sex: ☐ M ☐ F Grade: _____
(Last) (First) (M.I.)

Address _____ City _____ State/Zip _____

DOB _____ Residential Setting: ☐ Home ☐ Foster ☐ LCI # _____ ☐ OTHER _____

Parent/Guardian _____ Phone () _____ (Residence) (Business)
Address _____ City _____ State/Zip _____
(If different from student)

AGREEMENT TERMS:

A. DESIGNATED INSTRUCTION AND SERVICES / RELATED SERVICES:

SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPA	OTHER Specify				
Intensive Individual Services (340)							
Individual and Small Group Instruction (Ages 3-5 only) (350)							
Language and Speech (415)							
Language and Speech – SLP-A (Credentialed) (415)							
Language and Speech – Speech Therapy Assistant (415)							
Language and Speech – Bilingual SLP (415)							
Language and Speech – Assessment (415)							
Adapted Physical Ed. (425)							
Adapted Physical Ed. - Assessment (425)							
Health and Nursing: Specialized Physical Health Care - LVN (435)							
Health and Nursing: Specialized Physical Health Care - RN (435)							
Health and Nursing: Specialized Physical Health Care - CRN (435)							
Health and Nursing Services: Other - LVN (436)							

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SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPA	OTHER Specify				
Health and Nursing Services: Other - RN (436)							
Health and Nursing Services: Other - CRN (436)							
Health and Nursing Services: Other - Health Aide/CNA (436)							
Assistive Technology Services - Credentialed (445)							
Assistive Technology Services – Classified (445)							
Assistive Technology Services - Assessment (445)							
Occupational Therapy (450)							
Occupational Therapy – Certified OT Assistant (450)							
Occupational Therapy – Assessment (450)							
Physical Therapy (460)							
Physical Therapy - PT Assistant (460)							
Physical Therapy - PT Assessment (460)							
Individual Counseling (510)							
Counseling and Guidance (515)							
Parent Counseling (520)							
Social Work Services (525)							
Psychological Services (530)							
Behavior Intervention Services (535)							
Behavior Intervention Services - Supervision (535)							
Behavior Intervention Services – Other Provider (535)							
Specialized Services for Low Incidence Disabilities (610)							
Specialized Services for Low Incidence Disabilities – Assessment (610)							
Specialized Deaf and Hard of Hearing Services (710)							
Specialized Deaf and Hard of Hearing Services – Assessment (710)							

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SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPA	OTHER Specify				
Interpreter Services (715)							
Interpreter Services – Shift Differential (715)							
Audiological Services (720)							
Audiological Services Assessment (720)							
Specialized Vision Services (725)							
Specialized Vision Services Assessment (725)							
Orientation and Mobility (730)							
Orientation and Mobility Assessment (730)							
Braille Transcription (735)							
Specialized Orthopedic Service (740)							
Specialized Orthopedic Service Assessment (740)							
Reader Services (745)							
Note Taking Services (750)							
Transcription Services (755)							
Recreation Services, Including Therapeutic (760)							
College Awareness Preparation (820)							
Vocational Assessment, Counseling, Guidance and Career Assessment (830)							
Career Awareness (840)							
Work Experience Education (850)							
Job Coaching (855)							
Mentoring (860)							
Agency Linkages (referral and placement) (865)							

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SERVICE	Provider			# of Times per wk/mo/yr., Duration; or per IEP; or as needed	Cost per session	Maximum Number of Sessions	Estimated Maximum Total Cost for Contracted Period
	LEA	NPA	OTHER Specify				
Travel Training (870)							
Other Transition Services (890)							
Other (900) Music Therapy							
Other (900) Vision Therapy							
Transportation-Emergency							
Bus Passes							
Professional Development							

ESTIMATED MAXIMUM RELATED SERVICES COST (A)\$ _____

1. Other Provisions/Attachments:

MASTER CONTRACT APPROVED BY THE GOVERNING BOARD ON _____

INDIVIDUAL SERVICES AGREEMENT APPROVED BY CASE MANAGER:

 (Signature)

 (Date)

The parties hereto have executed this Individual Services Agreement by and through their duly authorized agents or representatives as set forth below.

-CONTRACTOR-

-DISTRICT-

 (Name of Nonpublic Agency)

 (Name of School District)

 (Signature)

(Date)

 (Signature)

(Date)

 (Name and Title)

 (Name of Superintendent or Authorized Designee)



June 26, 2017

Board Item - G.-6.

Issue:

Advancement Via Individual Determination (AVID) Implementation Agreement.

Superintendent's Recommendation:

Approve Advancement Via Individual Determination (AVID) Implementation Agreement between the AVID Center and the Sweetwater Union High School District to prepare all students for college readiness and success in a global society.

Analysis:

The AVID Implementation Agreement allows the Sweetwater Union High School District to continue implementation of the program for the 2017-2018 school year. This AVID membership includes staff development and materials. This agreement is entered into by AVID Center and the Sweetwater Union High School District for the purpose of preparing all students for college readiness and success in a global society. The agreement will also include ADL Year 1 training and support at an additional cost of \$6,000, for the AVID Co-District Directors. The terms of this agreement begin July 1, 2017, and end June 30, 2018.

1. Bonita Vista Middle School
2. Bonita Vista High School
3. Castle Park Middle School
4. Castle Park High School
5. Chula Vista High School
6. Eastlake High School
7. EastLake Middle School
8. Granger Junior High School
9. Hilltop High School
10. Hilltop Middle School
11. Mar Vista Academy
12. Mar Vista High School
13. Montgomery High School
14. Montgomery Middle School
15. National City Middle School
16. Olympian High School

17. Options Secondary
18. Otay Ranch High School
19. Rancho Del Rey Middle School
20. San Ysidro High School
21. Southwest High School
22. Southwest Middle School
23. Sweetwater High School

For questions regarding this board item, please contact Ana Maria Alvarez at (619) 691-5546 or ana.alvarez@sweetwaterschools.org.

Fiscal Impact:

Total expenditure of \$89,585, to be paid from the AVID budget, Resource Code: 0900.

ATTACHMENTS:

Description	Type
 AVID Agreement	Backup Material

AVID® STANDARD TERMS AND CONDITIONS

This AVID College Readiness System Services and Products Agreement ("Agreement") is entered into by and between AVID Center, a California non-profit corporation ("AVID Center" and the client named in the Quote(s) ("Client").

Article I. Definitions

- 1.1 AVID College Readiness System Services and Products Agreement: The Agreement consisting of these AVID Standard Terms and Conditions, Quote(s), Exhibit(s), and any other applicable, incorporated addenda.
- 1.2 AVID College Readiness System: The AVID College Readiness System consists of AVID Elementary, AVID Secondary, and AVID for Higher Education. Client may choose to implement (order) one or more of these components of the AVID College Readiness System as indicated on Quote(s).
- (a) AVID Elementary is a foundational component for elementary sites (grades K-8), designed as an embedded, sequential academic skills resource. It is intended for non-elective, multi-subject, multi-ability level classrooms.
- (b) AVID Secondary consists of the AVID Elective class as the core and content area teachers using AVID strategies as school-wide implementation.
- (c) AVID for Higher Education works with postsecondary institutions to support students with the goal of increasing academic success, persistence and completion rates.
- 1.3 AVID Materials: Any material, in any medium, printed or electronic, produced by AVID Center as a resource for Client's implementation of AVID Elementary, AVID Secondary, or AVID for Higher Education.
- 1.4 AVID Member Site: Any Client that implements (orders membership corresponding to) AVID Elementary and/or AVID Secondary, or AVID for Higher Education.
- 1.5 AVID Methodologies: Those methodologies that, when combined, form the core of AVID Elementary, AVID Secondary, or AVID for Higher Education.

- 1.6 AVID Programs: Other AVID offerings that are supplementary to AVID Elementary, AVID Secondary, or AVID for Higher Education (with the corresponding program indicated in parentheses in this Paragraph). The specific AVID Programs are further defined in their corresponding Exhibit. This list is subject to change without notice: AVID Excel (AVID Secondary); AVID Roadtrip Nation Experience (AVID Secondary); AVID Summer Bridge (AVID Secondary); AVID Weekly (versions for each: AVID Elementary, AVID Secondary, AVID for Higher Education. AVID Elementary and AVID for Higher Education subscriptions are included as part of membership; AVID Secondary subscriptions are included in Middle School and High School Libraries, if so ordered by Client).
- 1.7 Exhibit:
The document with terms and conditions that relate specifically to a corresponding service or product ordered on the Quote(s).
- 1.8 Payment Terms: The terms of when payment is due, as listed on the Quote.
- 1.9 Quote: The order document that is fully incorporated into this Agreement by reference.
- 1.10 AVID District Director: District leaders that coordinate the implementation of AVID Secondary and/or AVID Elementary at AVID Member Sites within their school system according to the AVID Methodologies. If Client implements AVID Elementary and/or AVID Secondary at any of its AVID Member Sites, then Client agrees to maintain, at its expense, at least one AVID District Director who will enroll in and complete, or have previously completed, the series of AVID District Leadership (ADL) trainings (as described in the corresponding Exhibit).

Article II. Period of Agreement

- 2.1 Term: The Term ("Term") of this Agreement shall be July 1, 2017 to June 30, 2018 unless earlier terminated as provided herein.

Article III. Licenses and Rights

- 3.1 Copyright License: Subject to Client's performance of all the provisions of this Agreement, AVID Center hereby grants to Client a non-transferable license, without the right to sublicense, to distribute, reproduce, and display the AVID Materials and AVID Methodologies solely to implement AVID Elementary and/or AVID Secondary, or AVID for Higher Education as ordered on Quote(s), during the period listed in the corresponding Exhibit, and for no other purpose.
- (a) Client may distribute, reproduce, and display the AVID Materials only to appropriate staff and students of the AVID Member Sites listed in Quote(s), for the sole purpose of implementing the specified AVID service or product at the AVID Member Sites and for no other purpose. Client will not permit any of the AVID Materials or AVID Methodologies to be used by anyone other than the AVID Member Sites.
- (b) Further, Client will only distribute, display, photocopy, reproduce or otherwise duplicate, those AVID Materials and AVID Methodologies corresponding to the specific AVID service or product listed for each AVID Member Site in Quote(s). [For example, if Quote(s) specifies both AVID Elementary and AVID Secondary membership at ABC School Site, but only specifies AVID Elementary membership at XYZ School Site, Client will not distribute, display, photocopy, reproduce, duplicate, or otherwise make available the AVID Secondary Materials and Methodologies to XYZ School Site.]
- (c) Client and any AVID Member Sites will not distribute, display, photocopy, reproduce or otherwise duplicate, all or any part of the AVID Materials or AVID Methodologies to anyone other than the AVID Member Sites without AVID Center's prior written consent.
- (d) Should Client wish to make any of the AVID Materials or AVID Methodologies accessible to its AVID Member Sites through the Internet, it will do so on a password-protected website, and it will ensure that only appropriate staff and students of the AVID Member Sites are allowed access to the website.
- (e) Should Client wish to make electronic versions of any of the AVID Materials or AVID Methodologies available for download by its AVID Member Sites, it will ensure that only appropriate staff and students of the AVID Member Sites are allowed access to those materials, and it will require that those staff and students agree not to distribute, reproduce, display, or transfer those materials to anyone other than appropriate staff and students of the AVID Member Sites before downloading those materials.
- (f) Client and any AVID Member Sites shall not modify or otherwise alter the AVID Materials or AVID Methodologies in any way, or create or distribute any derivative works of the AVID Methodologies or the AVID Materials in any way. Client also agrees not to use or adopt the AVID Methodologies or AVID Materials with respect to any educational or other program except solely to implement AVID under the provisions of this Agreement.
- (g) Client and any AVID Member Sites acknowledge that they do not have the right to sell, sublicense, transfer, or lease any of the AVID Materials or AVID Methodologies to any person or entity.

- 3.2 Trademark License: Subject to Client's performance of all the provisions of this Agreement, AVID Center hereby grants to Client during the Term a non-exclusive, non-transferable, indivisible license, without the right to sublicense, to use the AVID trademarks (collectively "AVID Trademarks"), (a) only as they are incorporated in the AVID Materials, and (b) only on advertising flyers and written promotional materials created by Client or the AVID Member Sites listed in Quote(s) in order to promote and implement AVID at those AVID Member Sites. Client agrees that it will use its best efforts to use the AVID Trademarks in a professional manner in order to preserve and enhance AVID Center's substantial goodwill associated with the AVID Trademarks. Client agrees that it or its AVID Member Sites will not use any of the AVID Trademarks as a corporate or business entity name, as a fictitious business name or as a trade name, and will not use any name in such capacity that is confusingly similar to the AVID Trademarks. Client further acknowledges and agrees that it and its AVID Member Sites cannot modify or otherwise alter any of the AVID Trademarks or use any other designs or logos in conjunction with its use of the AVID Trademarks. Client cannot use the AVID Trademarks for any educational or other program other than to implement AVID at the Member Sites listed in Quote(s) consistent with the above license. Client and its AVID Member Sites will always use the proprietary symbol ® immediately adjacent to the respective AVID Trademarks as noted above with respect to their use of the AVID Trademarks. If Client or its Member Sites desire to use or place the AVID Trademarks on any products, things, or other merchandising items in order to promote AVID, it must first seek and obtain permission from AVID Center by completing AVID Center's Request to Use AVID Center Trademark Form and complying with any of AVID Center's conditions for approval. Any such additional uses of the AVID Trademarks approved by AVID Center shall also be subject to the terms of this license and the other provisions of this Article III.
- 3.3 Rights Reserved: Notwithstanding anything to the contrary in this Agreement, all rights not specifically granted in this Agreement to Client shall be reserved and remain always with AVID Center.
- 3.4 Proprietary Rights: The parties agree that AVID Center shall solely own and have exclusive worldwide right, title and interest in and to the AVID Trademarks, AVID Materials and AVID Methodologies, to all modifications, enhancements and derivative works thereof, and to all United States and worldwide trademarks, service marks, trade names, trade dress, logos, copyrights, rights of authorship, moral rights, patents, know-how, trade secrets and all other intellectual and industrial property rights related thereto ("Intellectual Property Rights"). Client shall not challenge, contest or otherwise impair AVID Center's ownership of the AVID Trademarks, AVID Materials or AVID Methodologies, or any of AVID Center's applications or registrations thereof, or the validity or enforceability of AVID Center's Intellectual Property Rights related thereto. Client also agrees not to submit any applications or otherwise attempt to register for itself or others any of the AVID Trademarks, AVID Materials or AVID Methodologies.
- 3.5 Enforcement: The parties agree that except to the limited extent expressly set forth in Paragraphs 3.1 and 3.2 above, AVID Center will be irreparably harmed and money damages would be inadequate compensation to AVID Center in the event Client breaches any material provision of Article III. Accordingly, all of the provisions of this Agreement shall be specifically enforceable by injunctive and other relief against Client without the requirement to post a bond, in addition to any other remedies available to AVID Center, for Client's breach of any provision of this Agreement.

- 3.6 Proprietary Notices: Client agrees not to remove, alter or otherwise render illegible any trademark, copyright or other proprietary right notices or other identifying marks from the AVID Materials or any permitted copies thereof.
- 3.7 Infringement: Client agrees to notify AVID Center of any conduct or actions on the part of third parties of which it becomes aware that might be deemed an infringement or other violation of AVID Center's rights in the AVID Trademarks, AVID Materials or AVID Methodologies. In such an event, AVID Center shall have the sole right to bring an action for infringement or other appropriate action with respect thereto. AVID Center shall exclusively control the prosecution and settlement of any such action. Client agrees to fully cooperate with AVID Center in any such action and provide AVID Center with all information and assistance reasonably requested by AVID Center.
- 3.8 Compliance With Laws: Client agrees that the AVID Trademarks, AVID Materials and AVID Methodologies will be used in accordance with all applicable laws and regulations and in compliance with any regulatory or governmental agency that has jurisdiction over Client and its educational programs.
- 3.9 Sole Source: AVID Center affirms that it is the sole source of the AVID College Readiness System to which competition may be precluded due to the existence of a patent, copyright, secret process, or monopoly. AVID Center's sole source development includes intellectual property - copyrights and trademarks - in the AVID Materials, licensing for reproduction of student activity sheets associated with the curriculum, technical assistance, training to teachers and administrators, and coordination of the AVID College Readiness System through consultation, data collection, and certification processes.

Article IV. Compensation

- 4.1 Quotes--Invoicing and Payment: During the Term of this Agreement, Client may request Quote(s) for AVID services and/or products. Client indicates its acceptance of a Quote by signing the respective Quote or issuing a Purchase Order in the amount of the Quote. Should Client issue Purchase Order(s) for such Quote(s), the terms and conditions of this Agreement shall control for all Purchase Orders; no terms and conditions on Purchase Orders will apply to any part of this Agreement. AVID Center will invoice Client according to the terms listed in the accepted Quote(s).

Article V. Status of Parties

- 5.1 Independent Contractors: AVID Center and Client are independent contractors and their relationship is that of a licensor and licensee. This Agreement is not intended to create a relationship of employment, agency, partnership, joint venture, or similar arrangement between the parties. Neither party shall have any power or authority to bind or commit the other party in any respect, contractually or otherwise. In no event shall either party, or any of its respective officers, agents, or employees, be considered the officers, agents, or employees of the other party.

Article VI. Authority

- 6.1 AVID Center Warranty: AVID Center warrants that the person signing this Agreement is authorized to enter into this Agreement on behalf of the non-profit AVID Center and to bind AVID Center to perform all of its obligations under this Agreement.
- 6.2 Client Warranty: Client warrants that it has obtained all necessary approvals and taken all necessary steps to enter into this Agreement. The person signing on behalf of Client warrants that he or she has the authority to enter into this Agreement on behalf of Client and to bind Client to perform all of its obligations under this Agreement.

Article VII. Termination

- 7.1 Termination for Cause: Subject to the last sentence of this Paragraph 7.1, either party has the right to terminate this Agreement at any time if the other party is in material breach of any warranty, term, condition or covenant of this Agreement and (i) fails to cure that breach within thirty (30) days of receiving notice from the non-breaching party which specifies such material breach and demands cure thereof, or (ii) fails to provide the non-breaching party assurance that the breach will be cured within a longer period of time which is acceptable to the non-breaching party. In the case of a breach by Client that is not cured as described above, AVID Center shall have the right to terminate Client's right to conduct all or part of an AVID product or service at one or more specific AVID Member Sites, by giving written notice to Client of the sites so terminated, without terminating this Agreement with respect to the other products or services at the particular AVID Member Site and/or other AVID Member Site(s) subject to this Agreement. Any termination under this Paragraph 7.1 will become effective automatically upon expiration of the cure period in the absence of a cure or mutually agreed-upon resolution. Notwithstanding the foregoing, any material breach by Client, which is further defined as a breach of any of the provisions of Article III, shall be deemed non-curable and AVID Center shall have the right to immediately terminate this Agreement upon such material breach by Client.
- 7.2 Termination Without Cause: Notwithstanding Paragraph 7.1 above, either party may terminate this Agreement upon thirty (30) days prior written notice to the other party.
- 7.3 Cessation of Use: Upon termination or expiration of this Agreement: (a) the licenses in Article III shall automatically terminate and revert to AVID Center, (b) Client shall thereafter immediately discontinue AVID in all of its school sites and cease using the AVID Materials, AVID Methodologies, or AVID Trademarks in any way, and (c) Client shall pay any unpaid balances to AVID Center and remain liable for its obligations or other actions that accrued or occurred prior to the termination date.
- 7.4 Cumulative Remedies: All rights and remedies conferred herein shall be cumulative and in addition to all of the rights and remedies available to each party at law, equity or otherwise. In addition, Paragraphs 3.3, 3.4, 3.5, 3.6, 4.1, and all of the provisions of Articles VII and VIII shall survive the termination or expiration of this Agreement.

Article VIII. General Provisions

- 8.1 Governing Law and Venue: If any action at law or in equity is brought to enforce or interpret the provisions of this Agreement, then (i) if AVID is the party initiating the action (e.g., as plaintiff), this Agreement shall be interpreted under the law of the State in which Client is located, the action shall be submitted to the exclusive jurisdiction of the applicable court in the city and State where Client is located and venue for the action shall be that city and State; and (ii) if Client is the party initiating that action (e.g., as plaintiff), this Agreement shall be interpreted under California law, the action shall be submitted to the exclusive jurisdiction of the applicable court in San Diego, California, and venue for the action shall be San Diego, California.
- 8.2 Entire Agreement: All Quotes, Exhibits, and other addenda to this Agreement are fully incorporated herein. This Agreement, including all addenda, constitutes the entire agreement between the parties regarding this subject matter hereof and supersedes all prior oral or written agreements or understandings regarding this subject matter. This Agreement can only be amended by a written document signed by both parties.
- 8.3 Limitation of Liability: NEITHER PARTY SHALL BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, WHETHER FORESEEABLE OR NOT, THAT ARE IN ANY WAY RELATED TO THIS AGREEMENT, THE BREACH THEREOF, THE USE OR THE INABILITY TO USE THE AVID COLLEGE READINESS SYSTEM SERVICES AND PRODUCTS, THE RESULTS GENERATED FROM THE USE OF THE AVID COLLEGE READINESS SYSTEM SERVICES AND PRODUCTS, LOSS OF GOODWILL OR PROFITS AND/OR FROM ANY OTHER CAUSE WHATSOEVER.
- 8.4 Force Majeure: Neither party shall have any liability to the other hereunder by reason of any delay or failure to perform any obligation or covenant if the delay or failure to perform is occasioned by force majeure, meaning any act of God, storm, fire, casualty, unanticipated work stoppage, strike, lockout, labor dispute, civil disturbance, riot, war, national emergency, act of Government, act of public enemy, or other cause of similar or dissimilar nature beyond its control.
- 8.5 Severability: If any provision of this Agreement is judicially determined to be invalid, void or unenforceable, the remaining provisions shall remain in full force and effect.
- 8.6 Attorney Fees: In the event a dispute arises regarding this Agreement and a legal proceeding is brought by either party, each party shall be responsible for paying their own attorney fees regardless of the outcome or resolution of the dispute.
- 8.7 No Assignment, Delegation or Transfer: Client acknowledges that the favorable terms of this Agreement were granted solely to Client, and that the substitution of any party by Client would destroy the intent of the parties. Accordingly, Client shall have no right to assign, delegate, transfer or otherwise encumber this Agreement or any portion thereof without AVID Center's prior written consent, which can be withheld in its sole discretion.

- 8.8 Notice: All notices, requests or other communications under this Agreement shall be in writing, shall be sent to the designated representatives of the parties at the addresses set forth in Quote(s), and shall be deemed to have been duly given on the date of service if sent by facsimile or electronic mail, or on the day following service if sent by overnight air courier service with next day delivery and with written confirmation of delivery, or five (5) days after mailing if sent by first class, registered or certified mail, return receipt requested. Each party is required to notify the other party in the above manner of any change of address.
- 8.9 Counterparts: This Agreement may be executed in several counterparts that together shall be originals and constitute one and the same instrument.
- 8.10 Non-Waiver: The failure of a party to enforce any of its rights hereunder or at law or in equity shall not be deemed a waiver or a continuing waiver of any of its rights or remedies against the other party, unless such waiver is in writing and signed by the party to be charged.
- 8.11 Facsimile and Electronic Signatures: The parties hereto (i) each agree to permit the use, from time to time and where appropriate under the circumstances, of signatures sent via facsimile or electronically in a .pdf file or other digital format in order to expedite the transaction(s) contemplated by this Agreement; (ii) each intend to be bound by its respective signature sent by that party via facsimile or electronically in a .pdf file or other digital format; (iii) are each aware that the other, and the other's agents and employees, will rely on signature pages sent via facsimile or electronically in a .pdf file or other digital format; and (iv) each acknowledge such reliance and waive any defenses to the enforcement of this Agreement or of other documents effecting the transactions contemplated by this Agreement based on the signature page being a facsimile, .pdf copy or other digital format. The parties covenant to each other that each time they send a signature page via facsimile or electronically in a .pdf file or other digital format, they will in a timely manner send the other party the countersigned signature page(s).

IN WITNESS WHEREOF, the parties have executed this Agreement on the dates below their signatures, but such dates shall not alter the Term of this Agreement as specified herein:

AVID Center,
a California Non-Profit Corporation 501(c)(3)

Sweetwater Union High School District
CA

Signature: AVID Center Authorized

Signature: Client Authorized

Printed or Typed Name

Printed or Typed Name

Title

Title of Designee

Date

Date

AVID Center
9246 Lightwave Avenue, Suite 200
San Diego, CA 92123
Employer ID # 33-0522594



June 26, 2017

Board Item - G.-7.

Issue:

Consolidated Application (ConApp) Spring Report.

Superintendent's Recommendation:

Approve the Consolidated Application (ConApp) Spring Report for the 2016-2017 school year.

Analysis:

Districts in the State of California are required to submit a Consolidated Application (ConApp) for specified federally funded programs. The application is completed in multiple parts. The ConApp Spring Report identifies the programs for which the district is requesting funding as well as the public and private non-profit schools that plan to participate in selected federal programs. The ConApp also serves as a system for reporting program and fiscal data to the California Department of Education about the utilization of federal program funds. Local school boards are required to approve the application for funding page. The report contains requests for Title I, Title II, and Title III funding for the 2017-2018 school year.

For questions regarding this board item, please contact Ana Maria Alvarez at (619) 691-5546 or ana.alvarez@sweetwaterschools.org.

Fiscal Impact:

The Consolidated Application represents the following funds for SUHSD:


Expenditure of \$10,765,410, to be paid from Title I Part A, Resource Code: 3010.

Expenditure of \$1,580,739, to be paid from Title II Part A, Resource Code: 4035.

Expenditure of \$832,990, to be paid from Title III LEP, Resource Code: 4203.

Expenditure of \$86,980, to be paid from Title III – Immigrant, Resource Code: 4201.

ATTACHMENTS:

Description	Type
 ConApp 2016-2017 Spring Data Collection	Backup Material

Consolidated Application

2016-17 Spring Report

June, 2017

Consolidated Application 2016-17 Spring Report

Fiscal Year 2015-16

Title II, Part A Fiscal Year Expenditure Report, 24 months
Title III, Part A Immigrant YTD Expenditure Report, 24 months
Title III, Part A Limited English Proficient (LEP) YTD Expenditure Report, 24 months

Fiscal Year 2016-17

Title I, Part A School Funded Staff Report
Title I, Part A Nonprofit Private School Student Demographics and Services
Title I, Part A School Program Improvement Activities
Title II, Part A School Class Size Reduction Report
Title II, Part A Fiscal Year Expenditure Report, 12 Months
Title III, Part A Immigrant Nonprofit Private School Students Served
Title III, Part A Immigrant YTD Expenditure Report, 12 months
Title III, Part A English Learner Nonprofit Private School Reimbursement
Title III, Part A English Learner YTD Expenditure Report, 12 months
Homeless Education Policy, Requirements, and Implementation

Fiscal Year 2017-18

2017-18 Certification of Assurances
Protected Prayer Certification
Application for Funding
School Student Counts, Projected
Nonprofit Private School Consultation
Other ESEA Nonprofit Private School Participation
Title I, Part A Nonprofit Private School Participation
Title I, Part A Planned School Allocations
Title III, Part A English Learner Student Program Subgrant Budget
Title III, Part A Immigrant Student Program Subgrant Budget
Substitute System for Time Accounting

The Consolidated Application (ConApp)

The Consolidated Application (ConApp) is used by the California Department of Education (CDE) to distribute restricted funds from various state and federal programs to county offices, school districts, and direct-funded charter schools throughout California. Annually, in June, each local educational agency (LEA) submits the spring release of the application to document participation in these programs and provide assurances that the district will comply with the legal requirements of each program. Program entitlements are determined by formulas contained in the laws that created the programs.



Title I, Part A is a federal categorical program contained in the Consolidated Application. Its purpose is to ensure that all children have a fair and equal opportunity to obtain a high-quality education and reach, at a minimum, proficiency on the state content standards and assessments. The intent of this funding is to meet the educational needs of low-achieving students enrolled in the highest poverty schools.



Title II, Part A, Teacher and Principal Training and Recruiting is a federal categorical program contained in the Consolidated Application. The purpose of Title II is to increase the academic achievement of all students by helping schools and district (1) improve teacher and principal quality through professional development and other activities and (2) ensure all teachers are highly qualified.



Title III, LEP, Funding is made available to eligible local educational agencies (LEAs) to provide supplementary programs and services to limited English proficient (LEP) students, known as English learners (ELs). The purpose of the subgrants is to assist EL students to acquire English and achieve grade-level and graduation standards. Note: Recipients and funding amounts are subject to budget and administrative adjustments. Late applicants will be funded based on availability of funds.



Title III, Immigrant, Funding is made available to eligible local educational agencies (LEAs) to provide supplementary programs and services to eligible immigrant students. The purpose of the subgrants is to assist immigrant students to acquire English and achieve grade-level and graduation standards. Note: Recipients and funding amounts are subject to budget and administrative adjustments.

• LEAs that experienced a two percent or greater growth in the enrollment of eligible immigrant students in 2015 as compared to the average of the eligible immigrant enrollments of 2013 and 2014 are eligible to apply. Immigrant student enrollment for 2016 is taken from the Fall 2015 California Longitudinal Pupil Achievement Data System (CALPADS) data collections

Consolidated Application 2016-17 Spring Report Part I

Fiscal Year 2015-16

District Level Reports

Title II, Part A Fiscal Year Expenditure Report, 24 months

- A report of year-to-date expenditures and encumbrances by activity. Activity period covered is July 1, 2015 through June 30, 2017. \$1,173, 214 was expensed on teacher professional development; various curriculum specialist's salaries; subs for zone trainings; materials/supplies to support the training; National Board certifications and other exam fees for teachers; administrative duties and indirect costs.

Title III, Part A Immigrant YTD Expenditure Report, 24 months

- A report of year-to-date expenditures by activity. Activity period covered is July 1, 2015 through June 30, 2017. \$80,892 was expensed on salary for a curriculum specialist in support of working with teachers and sites who have immigrant students in their classes. Resource teacher provided professional development workshops/trainings; support to teachers; and assistance with resources.

Title III, Part A Limited English Proficient (LEP) YTD Expenditure Report, 24 months

- A report of year-to-date expenditures by activity. Activity period covered is July 1, 2015 through June 30, 2017. \$842,661 was expensed on teacher salaries in support of the EL actions/services detailed in the LCAP; specific resources in support of EL students; administrative duties, and indirect costs.

2015-16 Title II, Part A Fiscal Year Expenditure Report, 24 Months

A report of year-to-date expenditures and encumbrances by activity. Activity period covered is July 1, 2015 through June 30, 2017.

CDE Program Contact:

Melissa Flemmer, Educator Excellence Office, mflemmer@cde.ca.gov, 916-324-5689

2015-16 Title II, Part A entitlement	\$1,263,027
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Professional Development Expenditures

Professional development for teachers	\$1,063,481
Professional development for administrators	
Subject matter project	
Other professional development expenditures	

Exams and Test Preparation Expenditures

Exam fees, reimbursement	\$1,625
Test preparation training and or materials	
Other exam and test preparation expenditures	

Recruitment, Training, and Retaining Expenditures

Recruitment activities	
Hiring incentive and or relocation allotment	
National Board Certification and or stipend	\$51,650
Verification process for special settings (VPSS)	
University course work	
Other recruitment training and retaining expenditures	

Miscellaneous Expenditures

Class size reduction	
Administrative and indirect costs	\$56,458
Total funds transferred to Title I, Part A	
Other allowable expenditures or encumbrances	
Total expenditures and encumbrances	\$1,173,214
General Comment (Maximum 500 characters)	

*****Warning*****

The data in this report may be protected by the Family Educational Rights and Privacy Act (FERPA) and other applicable data privacy laws. Unauthorized access or sharing of this data may constitute a violation of both state and federal law.

2015-16 Title III, Part A Immigrant YTD Expenditure Report, 24 Months

A report of year-to-date expenditures by activity. Activity period covered is July 1, 2015 through June 30, 2017.

CDE Program Contact:

Patty Stevens, Language Policy and Leadership Office, pstevens@cde.ca.gov, 916-323-5838
Geoffrey Ndirangu, Language Policy and Leadership Office, gndirang@cde.ca.gov, 916-323-5831

Approved Immigrant Sub-grantee Activities

(e) ACTIVITIES BY AGENCIES EXPERIENCING SUBSTANTIAL INCREASES IN IMMIGRANT CHILDREN AND YOUTH-

(1) IN GENERAL-An eligible entity receiving funds under section 3114(d)(1) shall use the funds to pay for activities that provide enhanced instructional opportunities for immigrant children and youth, which may include-

(A) family literacy, parent outreach, and training activities designed to assist parents to become active participants in the education of their children;

(B) support for personnel, including teacher aides who have been specifically trained, or are being trained, to provide services to immigrant children and youth;

(C) provision of tutorials, mentoring, and academic or career counseling for immigrant children and youth

(D) identification and acquisition of curricular materials, educational software, and technologies to be used in the program carried out with funds;

(E) basic instruction services that are directly attributable to the presence in the school district involved of immigrant children and youth, including the payment of costs of providing additional classroom supplies, costs of transportation, or such other costs as are directly attributable to such additional basic instruction services;

(F) other instruction services that are designed to assist immigrant children and youth to achieve in elementary schools and secondary schools in the United States, such as programs of introduction to the educational system and civics education; and

(G) activities, coordinated with community-based organizations, institutions of higher education, private sector entities with expertise in working with immigrants, to assist parents of immigrant children and youth by offering comprehensive community services.

2015-16 Title III, Part A Immigrant entitlement	\$108,264
Object Code - Activity	
1000-1999 Certificated personnel salaries	\$61,027
2000-2999 Classified personnel salaries	\$0
3000-3999 Employee benefits	\$15,699
4000-4999 Books and supplies	\$0
5000-5999 Services and other operating expenditures	\$0
Administrative and indirect costs	\$4,166
Total year-to-date expenditures	\$80,892
2015-16 Unspent funds	\$27,372
General comment (Maximum 500 characters)	

*****Warning*****

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2015-16 Title III, Part A LEP YTD Expenditure Report, 24 Months

A report of year-to-date expenditures by activity. Activity period covered is July 1, 2015 through June 30, 2017.

CDE Program Contact:

Patty Stevens, Language Policy and Leadership Office, pstevens@cde.ca.gov, 916-323-5838
Geoffrey Ndirangu, Language Policy and Leadership Office, gndirang@cde.ca.gov, 916-323-5831

Required and Authorized LEP Sub-grantee Activities**Required**

Section 3115 (c)(1) To increase the English Proficiency by providing high-quality language instruction educational programs that are based on scientifically based research demonstrating the effectiveness of the programs.

Section 3115 (c)(2) To provide high quality professional development to classroom teachers (including teachers in classroom settings that are not the settings of language instruction educational programs), principals, administrators, and other school or community-based organizational personnel.

Authorized

- (1) Upgrading program objectives and effective instruction strategies.
- (2) Improving the instruction program for limited English proficient children by identifying acquiring and upgrading curricula, instruction materials, educational software, and assessment procedures.
- (3) Providing tutorials and academic or vocational education for limited English proficient children and intensified instruction.
- (4) Developing and implementing elementary school or secondary school language instruction educational programs that are coordinated with other relevant programs and services.
- (5) Improving the English proficiency and academic achievement of limited English proficient children.
- (6) Providing community participation programs, family literacy services and parent outreach and training activities to limited English proficient children and their families.

2015-16 Title III, Part A LEP entitlement	\$842,661
Object Code - Activity	
1000-1999 Certificated personnel salaries	\$615,825
2000-2999 Classified personnel salaries	\$29,809
3000-3999 Employee benefits	\$170,196
4000-4999 Books and supplies	\$567
5000-5999 Services and other operating expenditures	\$10,076
Administrative and indirect costs	\$16,188
Total year-to-date expenditures	\$842,661
2015-16 Unspent funds	\$0
General comment (Maximum 500 characters)	

*****Warning*****

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Consolidated Application 2016-17 Spring Report Part II

Fiscal Year 2016-17

District Level Reports

Title II, Part A Fiscal Year Expenditure Report, 12 months

- A report of year-to-date expenditures and encumbrances by activity. Activity period covered is July 1, 2016 through June 30, 2017. To date, \$774,976 has been expensed on teacher professional development; various curriculum specialist's salaries; subs for zone trainings; materials/supplies to support the training; exam fees for teachers; Verification process for special settings (VPSS); recruitment activities; administrative duties and indirect costs. At the time of report, payroll had not been posted for 3 months of salary. The remaining funds are less than \$455,674. Decisions on use of carry-over funds have yet to be finalized.

Title III, Part A Immigrant YTD Expenditure Report, 12 Months

- A report of year-to-date expenditures by activity. Activity period covered is July 1, 2016 through June 30, 2017. To date, \$41,707 has been expensed on salary for a curriculum specialist in support of working with teachers and sites who have immigrant students in their classes. Resource teacher provided professional development workshops/trainings; support to teachers; and assistance with resources. At the time of report, payroll had not been posted for 3 months of salary. The remaining funds are less than \$17,901. Decisions on use of carry-over funds have yet to be finalized.

Title III, Part A English Learner YTD Expenditure Report, 12 Months

- A report of year-to-date expenditures by activity. Activity period covered is July 1, 2016 through June 30, 2017. To date, \$400,986 has been expensed on teacher salaries in support of the EL actions/services detailed in the LCAP; specific resources in support of EL students; administrative duties, and indirect costs. At the time of report, payroll had not been posted for 3 months of salary. The remaining funds are less than \$414,974. Decisions on use of carry-over funds are being discussed but are not finalized.

Homeless Education Policy, Requirements, and Implementation

- The purpose of this data collection is to meet federal requirements specified in support of Homeless youths. This collection includes 1) monitoring LEAs and their compliance with key provisions of the Education for Homeless Children and Youths Act and 2) collecting contact information for each required designated LEA's homeless liaison. \$132,000 was set-aside in support of homeless students. To date, \$96,937 has been encumbered and/or expended in support of direct services for homeless youth.

School Level Reports

Title I, Part A School Funded Staff Report

- To collect school level data, as required by ESEA, about teachers and instructional paraprofessionals in Title I, Part A programs. Those who are salaried employees complete a monthly PAR (time accounting details for the amount funded by Title I).

Title I, Part A School Program Improvement Activities

- LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status. 2016-17 will be the final time data is collected in this manner for Program Improvement.

Title I, Part A Nonprofit Private School Student Demographics and Services

- The report lists demographics for nonprofit private school students designated as receiving Title I, Part A equitable services. Private schools who have SUHSD students attending are eligible for Title I funding, provided the student resides within a Title I school area.

Title II, Part A School Class Size Reduction Report

- LEAs may use Title II, Part A funds to recruit and hire teachers that meet applicable State certification and licensure requirements to reduce class sizes. SUHSD does not use this funding for that purpose.

Title III, Part A Immigrant Nonprofit Private School Students Served

- The purpose of this data collection is to capture the documentable number of private school Immigrant students who received Title III Immigrant services during the reported fiscal year.

Title III, Part A English Learner Nonprofit Private School Reimbursement

- The purpose of this data collection is to capture the documentable number of private school English learners who received Title III services during the reported fiscal year.

2016-17 Title II, Part A Fiscal Year Expenditure Report, 12 Months

A report of year-to-date expenditures and encumbrances by activity. Activity period covered is July 1, 2016 through June 30, 2017.

CDE Program Contact:

Melissa Flemmer, Educator Excellence Office, mflemmer@cde.ca.gov, 916-324-5689

2016-17 Title II, Part A entitlement	\$1,230,650
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Professional Development Expenditures

Professional development for teachers	\$711,215
Professional development for administrators	
Subject matter project	
Other professional development expenditures	

Exams and Test Preparation Expenditures

Exam fees, reimbursement	\$10,000
Test preparation training and or materials	
Other exam and test preparation expenditures	

Recruitment, Training, and Retaining Expenditures

Recruitment activities	\$11,000
Hiring incentive and or relocation allotment	
National Board Certification and or stipend	
Verification process for special settings (VPSS)	\$13,600
University course work	
Other recruitment training and retaining expenditures	

Miscellaneous Expenditures

Class size reduction	
Administrative and indirect costs	\$29,161
Total funds transferred to Title I, Part A	
Other allowable expenditures or encumbrances	
Total expenditures and encumbrances	\$774,976
2016-17 Unspent Funds	\$455,674
General Comment (Maximum 500 characters)	

*****Warning*****

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2016-17 Title III, Part A Immigrant YTD Expenditure Report, 12 Months

A report of year-to-date expenditures by activity. Activity period covered is July 1, 2016 through June 30, 2017.

CDE Program Contact:

Patty Stevens, Language Policy and Leadership Office, pstevens@cde.ca.gov, 916-323-5838
Geoffrey Ndirangu, Language Policy and Leadership Office, gndirang@cde.ca.gov, 916-323-5831

Approved Immigrant Sub-grantee Activities

(e) ACTIVITIES BY AGENCIES EXPERIENCING SUBSTANTIAL INCREASES IN IMMIGRANT CHILDREN AND YOUTH-

(1) IN GENERAL-An eligible entity receiving funds under section 3114(d)(1) shall use the funds to pay for activities that provide enhanced instructional opportunities for immigrant children and youth, which may include-

(A) family literacy, parent outreach, and training activities designed to assist parents to become active participants in the education of their children;

(B) support for personnel, including teacher aides who have been specifically trained, or are being trained, to provide services to immigrant children and youth;

(C) provision of tutorials, mentoring, and academic or career counseling for immigrant children and youth

(D) identification and acquisition of curricular materials, educational software, and technologies to be used in the program carried out with funds;

(E) basic instruction services that are directly attributable to the presence in the school district involved of immigrant children and youth, including the payment of costs of providing additional classroom supplies, costs of transportation, or such other costs as are directly attributable to such additional basic instruction services;

(F) other instruction services that are designed to assist immigrant children and youth to achieve in elementary schools and secondary schools in the United States, such as programs of introduction to the educational system and civics education; and

(G) activities, coordinated with community-based organizations, institutions of higher education, private sector entities with expertise in working with immigrants, to assist parents of immigrant children and youth by offering comprehensive community services.

2016-17 Title III, Part A Immigrant entitlement	\$59,608
Object Code - Activity	
1000-1999 Certificated personnel salaries	\$30,908
2000-2999 Classified personnel salaries	\$0
3000-3999 Employee benefits	\$9,230
4000-4999 Books and supplies	\$0
5000-5999 Services and other operating expenditures	\$0
Administrative and indirect costs	\$1,569
Total year-to-date expenditures	\$41,707
2016-17 Unspent funds	\$17,901
General Comment (Maximum 500 characters)	

*****Warning*****

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2016-17 Title III, Part A English Learner YTD Expenditure Report, 12 Months

A report of year-to-date expenditures by activity. Activity period covered is July 1, 2016 through June 30, 2017.

CDE Program Contact:

Patty Stevens, Language Policy and Leadership Office, pstevens@cde.ca.gov, 916-323-5838
Geoffrey Ndirangu, Language Policy and Leadership Office, gndirang@cde.ca.gov, 916-323-5831

Required and Authorized English Learners Sub-grantee Activities

Required

Section 3115 (c)(1) To increase the English proficiency by providing high-quality language instruction educational programs that are based on scientifically based research demonstrating the effectiveness of the programs.

Section 3115 (c)(2) To provide high quality professional development to classroom teachers (including teachers in classroom settings that are not the settings of language instruction educational programs), principals, administrators, and other school or community-based organizational personnel.

Authorized

- (1) Upgrading program objectives and effective instruction strategies.
- (2) Improving the instruction program for English learners by identifying acquiring and upgrading curricula, instruction materials, educational software, and assessment procedures.
- (3) Providing tutorials and academic or vocational education for English learners and intensified instruction.
- (4) Developing and implementing elementary school or secondary school language instruction educational programs that are coordinated with other relevant programs and services.
- (5) Improving the English language proficiency and academic achievement of English learners.
- (6) Providing community participation programs, family literacy services and parent outreach and training activities to English learners and their families.

2016-17 Title III, Part A English learner entitlement	\$815,960
Object Code - Activity	
1000-1999 Certificated personnel salaries	\$284,972
2000-2999 Classified personnel salaries	\$20,320
3000-3999 Employee benefits	\$81,606
4000-4999 Books and supplies	\$6,226
5000-5999 Services and other operating expenditures	\$0
Administrative and indirect costs (Amount cannot exceed 2% of the entitlement.)	\$7,862
Total year-to-date expenditures	\$400,986
2016-17 Unspent funds	\$414,974
General comment (Maximum 500 characters)	

Warning

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2016-17 Homeless Education Policy, Requirements, and Implementation

The purpose of this data collection is to meet federal requirements specified in ESEA Section 722. This collection includes 1) monitoring LEAs and their compliance with key provisions of the Education for Homeless Children and Youths Act and 2) collecting contact information for each required designated LEA's homeless liaison.

CDE Program Contact:

Leanne Wheeler, Coordinated School Health and Safety Office, lwheeler@cde.ca.gov, 916-319-0383

Homeless Education Certification

The LEA hereby assures that the LEA has met the following requirements:

1. Designated a staff person as the liaison for homeless children and youths

2. Developed a written policy that supports the enrollment and retention of homeless children and youths in schools of the LEA which:
 - a) Includes policies and practices to ensure that homeless children and youths are not stigmatized or segregated on the basis of their status as homeless
 - b) Includes a dispute resolution process
 - c) Ensures that transportation is provided for a homeless child or youth to and from the school of origin if requested by the parent, guardian or homeless liaison

3. Disseminated public notice of the educational rights of homeless children and youths where such children and youths receive services under the provisions of the Education for Homeless Children and Youths Act.

Homeless Liaison Contact Information

Homeless liaison first name	Molly
Homeless liaison last name	Ravenscroft
Homeless liaison title	Family Community Services Program Coordinator
Homeless liaison e-mail address (format: abc@xyz.zyx)	molly.ravenscroft@sweetwaterschools.org
Homeless liaison telephone number (format: 999-999-9999)	619-407-4912
Homeless liaison telephone extension	
Has the homeless liaison attended and/or participated in a homeless education liaison training within the last two years	Yes
If yes, indicate what level of training was completed. (Check all options that apply.)	

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2016-17 Homeless Education Policy, Requirements, and Implementation

The purpose of this data collection is to meet federal requirements specified in ESEA Section 722. This collection includes 1) monitoring LEAs and their compliance with key provisions of the Education for Homeless Children and Youths Act and 2) collecting contact information for each required designated LEA's homeless liaison.

CDE Program Contact:

Leanne Wheeler, Coordinated School Health and Safety Office, lwheeler@cde.ca.gov, 916-319-0383

Local	Yes
County	Yes
State	Yes
National	No

Homeless Education Policy and Requirements

Does the LEA have a written homeless education policy	Yes
No policy comment	
Provide an explanation why the LEA does not have a homeless education policy. (Maximum 500 characters)	
Date LEA's board approved the homeless education policy	04/24/2017
Does the LEA meet the above federal requirements	Yes
Compliance comment	
Provide an explanation why the LEA does not comply with federal requirements. (Maximum 500 characters)	

Title I, Part A Homeless Expenditures

2016-17 Title I, Part A Entitlement	\$9,674,897
2016-17 Title I, Part A direct or indirect services to homeless children reservation	\$132,000
Amount of 2016-17 Title I, Part A funds expended or encumbered for direct or indirect services to homeless children	\$96,937
No expenditures or encumbrances comment	
Provide an explanation why there are no Title I, Part A expenditures or encumbrances for homeless services. (Maximum 500 characters)	

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2016-17 Title I, Part A School Funded Staff Report

To collect school level data, as required by ESEA, about teachers and instructional paraprofessionals in Title I, Part A programs.

CDE Program Contact:

Jane Liang, District Innovation and Improvement Office, jliang@cde.ca.gov, 916-319-0259
 Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905

School Name	School Code	Public	New Title I, Part A Funded Teachers Hired Count	Non-ESEA Qualified Hired Count	Title I, Part A Funded Teachers Count (0.00)	Title I, Part A Funded FTE Paraprofessionals Count (0.00)	ESEA Qualified FTE Paraprofessionals Count (0.00)	ESEA Qualified FTE Paraprofessionals %	Title I, Part A Funded Administrators Count (0.00)	Title I, Part A Funded Support Staff Count (0.00)	Other Title I, Part A Funded Staff Count (0.00)
Bonita Vista Middle	6059745	Y	0			0.34	0.34	100.00%			0.60
Alta Vista Academy	3731460	Y									0.00
Castle Park Middle	6059752	Y									0.00
Castle Park Senior High	3730801	Y									0.9
Chula Vista Middle	6059760	Y									1.8
Chula Vista Senior High	3731064	Y									3.37
East Hills Academy	0115873	Y									0.00
Granger Junior High	6059778	Y									0.5
Hilltop Middle	6062004	Y									0.5
Hilltop Senior High	3732849	Y									1.3
Mar Vista Academy	6059786	Y									1.1
Mar Vista Senior High	3733953	Y									2.8
Montgomery Middle	6070890	Y									0.2
Montgomery Senior High	3738234	Y									0.84
National City Middle	6059794	Y									0.63
Options Secondary	3731155	Y									0.00

Warning

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2016-17 Title I, Part A School Funded Staff Report

To collect school level data, as required by ESEA, about teachers and instructional paraprofessionals in Title I, Part A programs.

School Name	School Code	Public	New Title I, Part A Funded Teachers Hired Count	Non-ESEA Qualified Hired Count	Title I, Part A Funded Teachers Count (0.00)	Title I, Part A Funded FTE Paraprofessionals Count (0.00)	ESEA Qualified FTE Paraprofessionals Count (0.00)	ESEA Qualified FTE Paraprofessionals %	Title I, Part A Funded Administrators Count (0.00)	Title I, Part A Funded Support Staff Count (0.00)	Other Title I, Part A Funded Staff Count (0.00)
Palomar High	3732047	Y									0.2
San Ysidro High	3731502	Y									2.2
Southwest Middle	6062012	Y									0.2
Southwest Senior High	3730124	Y									3.6
Sweetwater Community Day	6117154	Y									0.0
Sweetwater High	3738226	Y									1.5
Berean Bible Baptist Academy	6132906	N									0.00
Lutheran High School of San Diego	6939136	N									0.00
Mater Dei Catholic High School	6939169	N									0.00
Ocean View Christian Academy	6939177	N									0.00
Our Lady of Mount Carmel School	6975593	N									0.00
St. Charles Elementary	6975692	N									0.00
St. John of the Cross School	6975742	N									0.00
St. Pius X	6975866	N									0.00
St. Rose of Lima School	6975874	N									0.00

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

National City Middle (37 68411 6059794)

PI Year	3
For PI schools in Year 3, the LEA implemented at least one of the following (check all that apply)	
Replaced school staff relevant to the failure to make adequate yearly progress (AYP)	N
Implemented a new curriculum, including appropriate professional development	Y
Decreased management authority	N
Appointed an outside expert to advise the school on making AYP based on its school plan	N
Extended school year or day	N
Restructured the internal organizational structure	N
Provide a description of internal organizational restructure activities	

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Options Secondary (37 68411 3731155)

PI Year	3
For PI schools in Year 3, the LEA implemented at least one of the following (check all that apply)	
Replaced school staff relevant to the failure to make adequate yearly progress (AYP)	N
Implemented a new curriculum, including appropriate professional development	Y
Decreased management authority	N
Appointed an outside expert to advise the school on making AYP based on its school plan	N
Extended school year or day	N
Restructured the internal organizational structure	N
Provide a description of internal organizational restructure activities	

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Chula Vista Middle (37 68411 6059760)

PI Year	4
For PI schools in Year 4, the LEA developed an alternative governance plan which included at least one of the following (check all that apply)	
Plan to reopen school as a public charter school	N
Plan to replace all or most of the staff	N
Plan to contract with an outside entity to operate the school	N
Plan to institute major restructuring activities	Y
Provide a description of restructuring activities	Focus continues to be on developing placement criteria for students in ELA and Math. Continuance of increased times for during the day interventions. PD provided to staff to continue building their understanding with CA State Standards. Continue with implementation of Block schedule

*****Warning*****

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Hilltop Senior High (37 68411 3732849)

PI Year	4
For PI schools in Year 4, the LEA developed an alternative governance plan which included at least one of the following (check all that apply)	
Plan to reopen school as a public charter school	N
Plan to replace all or most of the staff	N
Plan to contract with an outside entity to operate the school	N
Plan to institute major restructuring activities	Y
Provide a description of restructuring activities	<p>The school will continue to refine the system for the placement of students into interventions during the school day, after school, and on Saturday. Common and formative assessment data will be used to differentiate the intervention needed for each student.</p> <p>Continued professional development will be provided to teachers to build their understanding and pedagogy in mastery learning.</p>

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Montgomery Middle (37 68411 6070890)

PI Year	4
For PI schools in Year 4, the LEA developed an alternative governance plan which included at least one of the following (check all that apply)	
Plan to reopen school as a public charter school	N
Plan to replace all or most of the staff	N
Plan to contract with an outside entity to operate the school	N
Plan to institute major restructuring activities	Y
Provide a description of restructuring activities	Continue to refine the instructional focus on placement of EL and Educationally disadvantaged students and differentiated instruction within the school day and beyond; continue to provide PD to build teacher capacity and pedagogy; continue with study hall during the day that provides additional support across all core areas.

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Sweetwater High (37 68411 3738226)

PI Year	4
For PI schools in Year 4, the LEA developed an alternative governance plan which included at least one of the following (check all that apply)	
Plan to reopen school as a public charter school	N
Plan to replace all or most of the staff	N
Plan to contract with an outside entity to operate the school	N
Plan to institute major restructuring activities	Y
Provide a description of restructuring activities	More focused professional development that has opportunity to learn, practice and reflect; Coaching; Teaming (Academies); continue with 9th grade English Heterogenous classes (currently eliminated SEI and Acc classes)

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Castle Park Middle (37 68411 6059752)

PI Year	5
For PI schools in Year 5, the LEA implemented at least one of the following alternative governance approaches (check all that apply)	
Reopened the school as a charter	N
Replaced all or most of the staff	N
Contracted with an outside entity to operate the school	N
Major restructuring activities instituted	Y
Provide a description of major restructuring activities instituted	Continue with implementation of extended day tutoring and increased opportunities across the CORE for academic intervention; Build more academic CORE support classes into the academic day and increase in those areas;

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Castle Park Senior High (37 68411 3730801)

PI Year	5
For PI schools in Year 5, the LEA implemented at least one of the following alternative governance approaches (check all that apply)	
Reopened the school as a charter	N
Replaced all or most of the staff	N
Contracted with an outside entity to operate the school	N
Major restructuring activities instituted	Y
Provide a description of major restructuring activities instituted	Increased opportunities for academic tutoring afterschool and on Saturdays; Hire a full time Attendance Resource teacher/coordinator to support chronic absenteeism.

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Chula Vista Senior High (37 68411 3731064)

PI Year	5
For PI schools in Year 5, the LEA implemented at least one of the following alternative governance approaches (check all that apply)	
Reopened the school as a charter	N
Replaced all or most of the staff	N
Contracted with an outside entity to operate the school	N
Major restructuring activities instituted	Y
Provide a description of major restructuring activities instituted	Continue with new data systems to analyze trend data in predicting student performance; move to an 8 hour block schedule that will provide different times for strategic interventions during the day

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Hilltop Middle (37 68411 6062004)

PI Year	5
For PI schools in Year 5, the LEA implemented at least one of the following alternative governance approaches (check all that apply)	
Reopened the school as a charter	N
Replaced all or most of the staff	N
Contracted with an outside entity to operate the school	N
Major restructuring activities instituted	Y
Provide a description of major restructuring activities instituted	Continue the focus of best teaching practices; PLCs continue to meet for collaboration planning, professional learning, and analysis of student data

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Mar Vista Academy (37 68411 6059786)

PI Year	5
For PI schools in Year 5, the LEA implemented at least one of the following alternative governance approaches (check all that apply)	
Reopened the school as a charter	N
Replaced all or most of the staff	N
Contracted with an outside entity to operate the school	N
Major restructuring activities instituted	Y
Provide a description of major restructuring activities instituted	Mar Vista restructured their site a three years ago but with the new accountability system their PI status has been placed on hold. They should have reverted back to lower status in 2014-15.

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Mar Vista Senior High (37 68411 3733953)

PI Year	5
For PI schools in Year 5, the LEA implemented at least one of the following alternative governance approaches (check all that apply)	
Reopened the school as a charter	N
Replaced all or most of the staff	N
Contracted with an outside entity to operate the school	N
Major restructuring activities instituted	Y
Provide a description of major restructuring activities instituted	Continue with full integration of PLCs; continue to enhance extended day tutoring and increase interventions during the day in all core content classes.

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

San Ysidro High (37 68411 3731502)

PI Year	5
For PI schools in Year 5, the LEA implemented at least one of the following alternative governance approaches (check all that apply)	
Reopened the school as a charter	N
Replaced all or most of the staff	N
Contracted with an outside entity to operate the school	N
Major restructuring activities instituted	Y
Provide a description of major restructuring activities instituted	Continue to focus on LTELs strategic placement based on student need, data and teacher recommendation; continue with implementation of student interventions aligned with RTI2; continue with implementation of common grading system.

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Southwest Middle (37 68411 6062012)

PI Year	5
For PI schools in Year 5, the LEA implemented at least one of the following alternative governance approaches (check all that apply)	
Reopened the school as a charter	N
Replaced all or most of the staff	N
Contracted with an outside entity to operate the school	N
Major restructuring activities instituted	Y
Provide a description of major restructuring activities instituted	Full integration of PLCs; continue with extended day tutoring and increase of during the day interventions across all core content areas.

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2016-17 Title I, Part A School Program Improvement Activities

Per ESEA Section 1116, LEAs must report school level Program Improvement (PI) activities related to Title I, Part A. This includes, but is not limited to, student participation and PI compliance activities based on the number of years a school is in PI status.

CDE Program Contact:

Jacqueline Matranga, District Innovation and Improvement Office , jmatranga@cde.ca.gov, 916-445-4905
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Southwest Senior High (37 68411 3730124)

PI Year	5
For PI schools in Year 5, the LEA implemented at least one of the following alternative governance approaches (check all that apply)	
Reopened the school as a charter	N
Replaced all or most of the staff	N
Contracted with an outside entity to operate the school	N
Major restructuring activities instituted	Y
Provide a description of major restructuring activities instituted	Full integration of PLCs; continue with extended day tutoring and increase of during the day interventions across all core content areas.

*****Warning*****

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

The report lists demographics for nonprofit private school students designated as receiving Title I, Part A equitable services.

CDE Program Contact:

Sylvia Hanna, Title I Policy and Program Guidance Office, shanna@cde.ca.gov, 916-319-0948
Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

St. Pius X (37 68411 6975866)

Student Counts

Male Student Count	6
Female Student Count	14
Student Count Total	20

Student Counts by Grade

PreKindergarten Student Count	
Kindergarten Student Count	
Grade 1 Student Count	
Grade 2 Student Count	
Grade 3 Student Count	
Grade 4 Student Count	
Grade 5 Student Count	
Grade 6 Student Count	
Grade 7 Student Count	9
Grade 8 Student Count	11
Grade 9 Student Count	
Grade 10 Student Count	
Grade 11 Student Count	
Grade 12 Student Count	
Ungraded Student Count	
Student Count by Grade Total	20

Racial/Ethnic Group Counts

Hispanic or Latino, of any race	15
American Indian or Alaska Native, not Hispanic or Latino	
Asian, not Hispanic or Latino	
Black or African American, not Hispanic or Latino	
Native Hawaiian or Pacific Islander, not Hispanic or Latino	1
White, not Hispanic or Latino	2

Warning

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

The report lists demographics for nonprofit private school students designated as receiving Title I, Part A equitable services.

CDE Program Contact:

Sylvia Hanna, Title I Policy and Program Guidance Office, shanna@cde.ca.gov, 916-319-0948
Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

St. Pius X (37 68411 6975866)

Multiracial, not Hispanic or Latino	2
Racial/Ethnic Group Counts Total	20

Other Student Counts

Migrant Student Count	0
Students With Disabilities Count	0

Instructional Service Area

Received mathematics services	8
Received reading language arts services	0

*****Warning*****

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

The report lists demographics for nonprofit private school students designated as receiving Title I, Part A equitable services.

CDE Program Contact:

Sylvia Hanna, Title I Policy and Program Guidance Office, shanna@cde.ca.gov, 916-319-0948
Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

St. Rose of Lima School (37 68411 6975874)

Student Counts

Male Student Count	16
Female Student Count	18
Student Count Total	34

Student Counts by Grade

PreKindergarten Student Count	
Kindergarten Student Count	
Grade 1 Student Count	
Grade 2 Student Count	
Grade 3 Student Count	
Grade 4 Student Count	
Grade 5 Student Count	
Grade 6 Student Count	
Grade 7 Student Count	13
Grade 8 Student Count	21
Grade 9 Student Count	
Grade 10 Student Count	
Grade 11 Student Count	
Grade 12 Student Count	
Ungraded Student Count	
Student Count by Grade Total	34

Racial/Ethnic Group Counts

Hispanic or Latino, of any race	21
American Indian or Alaska Native, not Hispanic or Latino	
Asian, not Hispanic or Latino	2
Black or African American, not Hispanic or Latino	2
Native Hawaiian or Pacific Islander, not Hispanic or Latino	2
White, not Hispanic or Latino	5

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

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Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

St. Rose of Lima School (37 68411 6975874)

Multiracial, not Hispanic or Latino	2
Racial/Ethnic Group Counts Total	34

Other Student Counts

Migrant Student Count	0
Students With Disabilities Count	0

Instructional Service Area

Received mathematics services	2
Received reading language arts services	3

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

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CDE Program Contact:

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Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

St. John of the Cross School (37 68411 6975742)

Student Counts

Male Student Count	7
Female Student Count	3
Student Count Total	10

Student Counts by Grade

PreKindergarten Student Count	
Kindergarten Student Count	
Grade 1 Student Count	
Grade 2 Student Count	
Grade 3 Student Count	
Grade 4 Student Count	
Grade 5 Student Count	
Grade 6 Student Count	
Grade 7 Student Count	8
Grade 8 Student Count	2
Grade 9 Student Count	
Grade 10 Student Count	
Grade 11 Student Count	
Grade 12 Student Count	
Ungraded Student Count	
Student Count by Grade Total	10

Racial/Ethnic Group Counts

Hispanic or Latino, of any race	9
American Indian or Alaska Native, not Hispanic or Latino	
Asian, not Hispanic or Latino	
Black or African American, not Hispanic or Latino	
Native Hawaiian or Pacific Islander, not Hispanic or Latino	1
White, not Hispanic or Latino	

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

The report lists demographics for nonprofit private school students designated as receiving Title I, Part A equitable services.

CDE Program Contact:

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Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

St. John of the Cross School (37 68411 6975742)

Multiracial, not Hispanic or Latino	
Racial/Ethnic Group Counts Total	10

Other Student Counts

Migrant Student Count	0
Students With Disabilities Count	0

Instructional Service Area

Received mathematics services	0
Received reading language arts services	0

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

The report lists demographics for nonprofit private school students designated as receiving Title I, Part A equitable services.

CDE Program Contact:

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Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

Lutheran High School of San Diego (37 68411 6939136)**Student Counts**

Male Student Count	2
Female Student Count	0
Student Count Total	2

Student Counts by Grade

PreKindergarten Student Count	
Kindergarten Student Count	
Grade 1 Student Count	
Grade 2 Student Count	
Grade 3 Student Count	
Grade 4 Student Count	
Grade 5 Student Count	
Grade 6 Student Count	
Grade 7 Student Count	
Grade 8 Student Count	
Grade 9 Student Count	1
Grade 10 Student Count	
Grade 11 Student Count	
Grade 12 Student Count	1
Ungraded Student Count	
Student Count by Grade Total	2

Racial/Ethnic Group Counts

Hispanic or Latino, of any race	2
American Indian or Alaska Native, not Hispanic or Latino	
Asian, not Hispanic or Latino	
Black or African American, not Hispanic or Latino	
Native Hawaiian or Pacific Islander, not Hispanic or Latino	
White, not Hispanic or Latino	

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

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CDE Program Contact:

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Rina DeRose, Title I Policy and Program Guidance Office, RDeRose@cde.ca.gov, 916-323-0472

Lutheran High School of San Diego (37 68411 6939136)

Multiracial, not Hispanic or Latino	
Racial/Ethnic Group Counts Total	2

Other Student Counts

Migrant Student Count	0
Students With Disabilities Count	0

Instructional Service Area

Received mathematics services	0
Received reading language arts services	0

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

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CDE Program Contact:

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Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

Our Lady of Mount Carmel School (37 68411 6975593)

Student Counts

Male Student Count	5
Female Student Count	6
Student Count Total	11

Student Counts by Grade

PreKindergarten Student Count	
Kindergarten Student Count	
Grade 1 Student Count	
Grade 2 Student Count	
Grade 3 Student Count	
Grade 4 Student Count	
Grade 5 Student Count	
Grade 6 Student Count	
Grade 7 Student Count	8
Grade 8 Student Count	3
Grade 9 Student Count	
Grade 10 Student Count	
Grade 11 Student Count	
Grade 12 Student Count	
Ungraded Student Count	
Student Count by Grade Total	11

Racial/Ethnic Group Counts

Hispanic or Latino, of any race	11
American Indian or Alaska Native, not Hispanic or Latino	
Asian, not Hispanic or Latino	
Black or African American, not Hispanic or Latino	
Native Hawaiian or Pacific Islander, not Hispanic or Latino	
White, not Hispanic or Latino	

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

The report lists demographics for nonprofit private school students designated as receiving Title I, Part A equitable services.

CDE Program Contact:

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Rina DeRose, Title I Policy and Program Guidance Office, RDeRose@cde.ca.gov, 916-323-0472

Our Lady of Mount Carmel School (37 68411 6975593)

Multiracial, not Hispanic or Latino	
Racial/Ethnic Group Counts Total	11

Other Student Counts

Migrant Student Count	0
Students With Disabilities Count	0

Instructional Service Area

Received mathematics services	0
Received reading language arts services	0

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

The report lists demographics for nonprofit private school students designated as receiving Title I, Part A equitable services.

CDE Program Contact:

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Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

Ocean View Christian Academy (37 68411 6939177)

Student Counts

Male Student Count	43
Female Student Count	42
Student Count Total	85

Student Counts by Grade

PreKindergarten Student Count	
Kindergarten Student Count	
Grade 1 Student Count	
Grade 2 Student Count	
Grade 3 Student Count	
Grade 4 Student Count	
Grade 5 Student Count	
Grade 6 Student Count	
Grade 7 Student Count	13
Grade 8 Student Count	11
Grade 9 Student Count	20
Grade 10 Student Count	9
Grade 11 Student Count	18
Grade 12 Student Count	14
Ungraded Student Count	
Student Count by Grade Total	85

Racial/Ethnic Group Counts

Hispanic or Latino, of any race	56
American Indian or Alaska Native, not Hispanic or Latino	
Asian, not Hispanic or Latino	11
Black or African American, not Hispanic or Latino	3
Native Hawaiian or Pacific Islander, not Hispanic or Latino	
White, not Hispanic or Latino	15

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

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CDE Program Contact:

Sylvia Hanna, Title I Policy and Program Guidance Office, shanna@cde.ca.gov, 916-319-0948
Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

Ocean View Christian Academy (37 68411 6939177)

Multiracial, not Hispanic or Latino	
Racial/Ethnic Group Counts Total	85

Other Student Counts

Migrant Student Count	0
Students With Disabilities Count	0

Instructional Service Area

Received mathematics services	24
Received reading language arts services	19

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

The report lists demographics for nonprofit private school students designated as receiving Title I, Part A equitable services.

CDE Program Contact:

Sylvia Hanna, Title I Policy and Program Guidance Office, shanna@cde.ca.gov, 916-319-0948
Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

St. Charles Elementary (37 68411 6975692)

Student Counts

Male Student Count	17
Female Student Count	17
Student Count Total	34

Student Counts by Grade

PreKindergarten Student Count	
Kindergarten Student Count	
Grade 1 Student Count	
Grade 2 Student Count	
Grade 3 Student Count	
Grade 4 Student Count	
Grade 5 Student Count	
Grade 6 Student Count	
Grade 7 Student Count	16
Grade 8 Student Count	18
Grade 9 Student Count	
Grade 10 Student Count	
Grade 11 Student Count	
Grade 12 Student Count	
Ungraded Student Count	
Student Count by Grade Total	34

Racial/Ethnic Group Counts

Hispanic or Latino, of any race	23
American Indian or Alaska Native, not Hispanic or Latino	
Asian, not Hispanic or Latino	6
Black or African American, not Hispanic or Latino	
Native Hawaiian or Pacific Islander, not Hispanic or Latino	
White, not Hispanic or Latino	3

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

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CDE Program Contact:

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Rina DeRose, Title I Policy and Program Guidance Office, RDeRose@cde.ca.gov, 916-323-0472

St. Charles Elementary (37 68411 6975692)

Multiracial, not Hispanic or Latino	2
Racial/Ethnic Group Counts Total	34

Other Student Counts

Migrant Student Count	0
Students With Disabilities Count	1

Instructional Service Area

Received mathematics services	7
Received reading language arts services	8

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

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CDE Program Contact:

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Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

Mater Dei Catholic High School (37 68411 6939169)

Student Counts

Male Student Count	114
Female Student Count	96
Student Count Total	210

Student Counts by Grade

PreKindergarten Student Count	
Kindergarten Student Count	
Grade 1 Student Count	
Grade 2 Student Count	
Grade 3 Student Count	
Grade 4 Student Count	
Grade 5 Student Count	
Grade 6 Student Count	
Grade 7 Student Count	
Grade 8 Student Count	
Grade 9 Student Count	70
Grade 10 Student Count	53
Grade 11 Student Count	36
Grade 12 Student Count	51
Ungraded Student Count	
Student Count by Grade Total	210

Racial/Ethnic Group Counts

Hispanic or Latino, of any race	180
American Indian or Alaska Native, not Hispanic or Latino	
Asian, not Hispanic or Latino	13
Black or African American, not Hispanic or Latino	6
Native Hawaiian or Pacific Islander, not Hispanic or Latino	
White, not Hispanic or Latino	8

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

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Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

Mater Dei Catholic High School (37 68411 6939169)

Multiracial, not Hispanic or Latino	3
Racial/Ethnic Group Counts Total	210

Other Student Counts

Migrant Student Count	0
Students With Disabilities Count	0

Instructional Service Area

Received mathematics services	19
Received reading language arts services	20

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2016-17 Title I, Part A Nonprofit Private School Student Demographics and Services

The report lists demographics for nonprofit private school students designated as receiving Title I, Part A equitable services.

CDE Program Contact:

Sylvia Hanna, Title I Policy and Program Guidance Office, shanna@cde.ca.gov, 916-319-0948
Rina DeRose, Title I Policy and Program Guidance Office, RDerosc@cde.ca.gov, 916-323-0472

Berean Bible Baptist Academy (37 68411 6132906)

Student Counts

Male Student Count	3
Female Student Count	7
Student Count Total	10

Student Counts by Grade

PreKindergarten Student Count	
Kindergarten Student Count	
Grade 1 Student Count	
Grade 2 Student Count	
Grade 3 Student Count	
Grade 4 Student Count	
Grade 5 Student Count	
Grade 6 Student Count	
Grade 7 Student Count	1
Grade 8 Student Count	2
Grade 9 Student Count	1
Grade 10 Student Count	2
Grade 11 Student Count	2
Grade 12 Student Count	2
Ungraded Student Count	
Student Count by Grade Total	10

Racial/Ethnic Group Counts

Hispanic or Latino, of any race	
American Indian or Alaska Native, not Hispanic or Latino	
Asian, not Hispanic or Latino	10
Black or African American, not Hispanic or Latino	
Native Hawaiian or Pacific Islander, not Hispanic or Latino	
White, not Hispanic or Latino	

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Rina DeRose, Title I Policy and Program Guidance Office, RDeRose@cde.ca.gov, 916-323-0472

Berean Bible Baptist Academy (37 68411 6132906)

Multiracial, not Hispanic or Latino	
Racial/Ethnic Group Counts Total	10

Other Student Counts

Migrant Student Count	0
Students With Disabilities Count	0

Instructional Service Area

Received mathematics services	6
Received reading language arts services	2

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2016-17 Title II, Part A School Class Size Reduction Report

The ESEA Act of 2001, Title II, Part A, Section 2123(a)(2)(B) allows LEAs to use ESEA Title II, Part A funds to recruit and hire teachers that meet applicable State certification and licensure requirements to reduce class size.

CDE Program Contact:

Melissa Flemmer, Educator Excellence Office, mflemmer@cde.ca.gov, 916-324-5689

School Name	School Code	Total Class Size Reduction Teacher Count	ESEA Title II Part A Funded Class Size Reduction Teacher Count	ESEA Teacher Count
Alta Vista Academy	3731460	0	0	0
Bonita Vista Middle	6059745	0	0	0
Bonita Vista Senior High	3730405	0	0	0
Castle Park Middle	6059752	0	0	0
Castle Park Senior High	3730801	0	0	0
Chula Vista Middle	6059760	0	0	0
Chula Vista Senior High	3731064	0	0	0
East Hills Academy	0115873	0	0	0
Eastlake High	3730843	0	0	0
Eastlake Middle	6120968	0	0	0
Granger Junior High	6059778	0	0	0
Hilltop Middle	6062004	0	0	0
Hilltop Senior High	3732849	0	0	0
Mar Vista Academy	6059786	0	0	0
Mar Vista Senior High	3733953	0	0	0
Montgomery Middle	6070890	0	0	0
Montgomery Senior High	3738234	0	0	0

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2016-17 Title II, Part A School Class Size Reduction Report

The ESEA Act of 2001, Title II, Part A, Section 2123(a)(2)(B) allows LEAs to use ESEA Title II, Part A funds to recruit and hire teachers that meet applicable State certification and licensure requirements to reduce class size.

School Name	School Code	Total Class Size Reduction Teacher Count	ESEA Title II Part A Funded Class Size Reduction Teacher Count	ESEA Teacher Count
National City Middle	6059794	0	0	0
Olympian High	0111831	0	0	0
Options Secondary	3731155	0	0	0
Otay Ranch Senior High	3731627	0	0	0
Palomar High	3732047	0	0	0
Rancho del Rey Middle	6114276	0	0	0
San Ysidro High	3731502	0	0	0
Southwest Middle	6062012	0	0	0
Southwest Senior High	3730124	0	0	0
Sweetwater Community Day	6117154	0	0	0
Sweetwater High	3738226	0	0	0

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2016-17 Title III, Part A Immigrant Nonprofit Private School Students Served

The purpose of this data collection is to capture the documentable number of private school Immigrant students who received Title III Immigrant services during the reported fiscal year.

CDE Program Contact:

Patty Stevens, Language Policy and Leadership Office, pstevens@cde.ca.gov, 916-323-5838

School Name	School Code	Enrollment	Flagged for Immigrant Participation	Immigrant Students Served	Participation Explanation (Max 500 char)
National University Virtual High School	6137368	391	N	0	National popped in on our CONAPP after we had sent in Winter collections. We worked with them to make sure they would be a part of 2017-18 consultations.
Lutheran High School of San Diego	6939136	96	Y	0	
Mater Dei Catholic High School	6939169	715	Y	59	

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2016-17 Title III, Part A English Learner Nonprofit Private School Reimbursement

The purpose of this data collection is to capture the documentable number of private school English learners who received Title III services during the reported fiscal year.

CDE Program Contact:

Patty Stevens, Language Policy and Leadership Office, pstevens@cde.ca.gov, 916-323-5838

School Name	School Code	Enrollment	Flagged for English Learner Participation	English Learner Students Served	Participation Explanation (Max 500 char)
National University Virtual High School	6137368	391	N	0	National popped in on our CONAPP after we had sent in Winter collections. We worked with them to make sure they would be a part of 2017-18 consutlations.
Lutheran High School of San Diego	6939136	96	Y	0	
Mater Dei Catholic High School	6939169	715	Y	0	

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Consolidated Application 2016-17 Spring Report Part III

Fiscal Year 2017-18

District Level Reports

Certification of Assurances

- Submission of Certification of Assurances is required every fiscal year. A complete list of legal and program assurances for the fiscal year can be found at <http://www.cde.ca.gov/fg/aa/co/ca17asstoc.asp>.

Protected Prayer Certification

- ESSA Section 8524 specifies federal requirements regarding constitutionally protected prayer in public elementary and secondary schools. This form meets the annual requirement and provides written certification.

Application for Funding

- The LEA is required to review and receive approval of their Application for Funding selections with their local governing board. A District with more than 50 English learners must establish a District English Learner Advisory Committee (DELAC) and involve them in the application for funding for programs that serve English learners. SUHSD's DELAC received a formal presentation on the EL Master plan initiatives on February 23rd. Discussion on support for EL students has been ongoing with parents.

Title III, Part A English Learner Student Program Subgrant Budget

- The purpose of this report is to provide a proposed budget for 2017-18 English learner (EL) student program subgrant funds. Amounts given are estimates as we have not been notified of 2017-18 allocations to date. EL student count is taken from the California Longitudinal Pupil Achievement Data System (CALPADs).

Title III, Part A Immigrant Student Program Subgrant Budget

- The purpose of this report is to provide a proposed budget for 2017-18 Immigrant Student program subgrant funds. Amounts given are estimates as we have not been notified of 2017-18 allocations to date. Immigrant student count is taken from the California Longitudinal Pupil Achievement Data System (CALPADs).

Substitute System for Time Accounting

- This certification may be used by auditors and by CDE oversight personnel when conducting audits and sub-recipient monitoring of the substitute time-and-effort system. Approval is automatically granted when the LEA submits and certifies this data collection. SUHSD chooses not to participate in this system.

School Level Reports

Title I, Part A Planned School Allocations

- Based on information provided in the School Student Counts data collection, the table provides eligibility and ranking information. Schools with fund flags will receive Title I allocations. BVM and HTH have exceptions for funding in 2017-18. BVM will be grandfathered in as their F&RL percentage decreased but since they received funding for two years as a Targeted Assistance site, funding was approved for at least one more year. HTH has a feeder pattern exception as it is above the 40% F&RL number and operates as a school-wide Title I. For 2017-18, HTH is below the district F&RL average for High Schools.

Nonprofit Private School Consultation

- The LEA shall provide, on an equitable basis, special education services or other benefits to eligible children attending a nonprofit private school. Consultation took place on June 6th for all interested Private schools within our district boundaries. For Title I we also reached out to private schools who border on our district. Data was downloaded from the CDE's Private School affidavit files for 2017-18.

Title I, Part A Nonprofit Private School Participation

- Consultation took place on June 6th for all Private schools interested in receiving Title I funding in 2017-18. Private schools who have SUHSD students attending are eligible for Title I funding, provided the student resides within a Title I school area.

Other ESEA Nonprofit Private School Participation

- Consultation took place on June 6th for all Private schools interested in receiving Title II and/or III funding in 2017-18. Private schools who have SUHSD students attending are eligible provided the student resides within district boundaries. Although it says some schools will not participate in Title II and III; many will as they are K-8 sites and will populate on neighboring districts CONAPP. SUHSD will serve those 7th and 8th graders within our boundaries.

2017-18 Certification of Assurances


Submission of Certification of Assurances is required every fiscal year. A complete list of legal and program assurances for the fiscal year can be found at <http://www.cde.ca.gov/fg/aa/co/ca17asstoc.asp>.

CDE Program Contact:

Joy Paull, jpaull@cde.ca.gov, 916-319-0297

Consolidated Application Certification Statement

I hereby certify that all of the applicable state and federal rules and regulations will be observed by this applicant; that to the best of my knowledge the information contained in this application is correct and complete; and I agree to have the use of these funds reviewed and/or audited according to the standards and criteria set forth in the California Department of Education's Categorical Program Monitoring (CPM) Manual. Legal assurances for all programs are accepted as the basic legal condition for the operation of selected projects and programs and copies of assurances are retained on site. I certify that we accept all assurances except for those for which a waiver has been obtained or requested. A copy of all waivers or requests is on file. I certify that actual ink signatures for this form is on file.

Authorized Representative's Full Name	Luz Elena Perez
Authorized Representative's Signature	
Authorized Representative's Title	Director of State & Fed
Authorized Representative Signature Date	6/21/2017

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2017-18 Protected Prayer Certification

ESSA Section 8524 specifies federal requirements regarding constitutionally protected prayer in public elementary and secondary schools. This form meets the annual requirement and provides written certification.

CDE Program Contact:

Franco Rozic, Title I Monitoring and Support Office, frozic@cde.ca.gov, 916-319-0269

Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

Protected Prayer Certification Statement

The LEA hereby assures and certifies to the California State Board of Education that the LEA has no policy that prevents, or otherwise denies participation in, constitutionally protected prayer in public schools as set forth in the "Guidance on Constitutionally Protected Prayer in Public Elementary and Secondary Schools."

The LEA hereby assures that this page has been printed and contains an ink signature. The ink signature copy shall be made available to the California Department of Education upon request or as part of an audit, a compliance review, or a complaint investigation.

The authorized representative agrees to the above statement	Yes
Authorized Representative's Full Name	Dr. Luzelena Perez
Authorized Representative Title	Director, State and Federal Programs/Office of Language Acquisition
Authorized Representative Signature Date	06/20/2017
Comment If the LEA is not able to certify at this time an explanation must be provided in the Comment field. (Maximum 500 characters)	

*****Warning*****

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2017-18 Application for Funding**CDE Program Contact:**Education Data Office, ConApp@cde.ca.gov, 916-319-0297**Local Governing Board Approval**

The LEA is required to review and receive approval of their Application for Funding selections with their local governing board.

Date of approval by local governing board	06/26/2017
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District English Learner Advisory Committee (DELAC) Review

Per Title 5 of the California Code of Regulations Section 11308, if your district has more than 50 English learners the district must establish a District English Learner Advisory Committee (DELAC) and involve them in the application for funding for programs that serve English learners.

DELAC representative's full name	velia RICO-Ornelas
DELAC review date	02/23/2017
Meeting minutes web address Please enter the Web address of DELAC review meeting minutes (format http://SomeWebsiteName.xxx). If a Web address is not available, the LEA must keep the minutes on file which indicates that the application is approved by the committee.	
DELAC comment If an advisory committee refused to review the application, or if DELAC review is not applicable, enter a comment. (Maximum 500 characters)	

Application for Categorical Programs

To receive specific categorical funds for a school year the LEA must apply for the fund by selecting Yes. Only the categorical funds the LEA is eligible to receive are displayed.

Title I Part A (Basic Grant) ESSA Sec. 1111 et seq. SACS 3010	Yes
Title II Part A (Supporting Effective Instruction) ESEA Sec. 2104 SACS 4035	Yes
Title III Part A Immigrant ESEA Sec. 3102 SACS 4201	Yes
Title III Part A English Learner ESEA Sec. 3102 SACS 4203	Yes

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2017-18 Title III, Part A English Learner Student Program Subgrant Budget

The purpose of this report is to provide a proposed budget for 2017-18 English learner (EL) student program subgrant funds only per the Title III, Part A, English Learner Students Program requirements (ESSA, Title III, Part A, Sections 3114, 3115, & 3116).

CDE Program Contact:

Patty Stevens, Language Policy and Leadership Office, pstevens@cde.ca.gov, 916-323-5838
Geoffrey Ndirangu, Language Policy and Leadership Office, gndirang@cde.ca.gov, 916-323-5831

Estimated Entitlement Calculation

Note: If the estimated entitlement amount does not meet the minimum \$10,000 program eligibility criteria for direct funding status, further action may be required. To receive instructions regarding the consortium application process, please contact Patty Stevens by phone at 916-323-5838 or by e-mail at pstevens@cde.ca.gov.

Estimated English learner per student allocation	\$93.37
Estimated English learner student count	9,377
Estimated English learner entitlement amount	\$875,530

Budget

Professional development activities	\$600,000
Program and other authorized activities	\$100,000
English Proficiency and Academic Achievement	\$100,000
Parent, family, and community engagement	\$40,853
Direct administration costs (Amount cannot exceed 2% of the estimated entitlement)	\$17,510
Indirect costs (Amount should be calculated using the LEA's approved indirect cost rate)	\$17,167
Total allocation budget	\$875,530

*****Warning*****

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2017-18 Title III, Part A Immigrant Student Program Subgrant Budget

The purpose of this report is to provide a proposed budget for 2017-18 Immigrant Student Program Subgrant funds only per the Title III, Part A, Immigrant Student Program requirements (ESSA, Title III, Part A, Sections 3114, 3115, & 3116).

CDE Program Contact:

Patty Stevens, Language Policy and Leadership Office, pstevens@cde.ca.gov, 916-323-5838
Geoffrey Ndirangu, Language Policy and Leadership Office, gndirang@cde.ca.gov, 916-323-5831

Estimated Entitlement Calculation

Note: Only LEAs that have 21 or more eligible immigrant students, and that have experienced a significant increase of two percent or greater growth in eligible immigrant student enrollment in the current year compared with the average of the two preceding fiscal years are eligible for Title III, Part A Immigrant Student Program Subgrant funds. Use your Immigration student count that was provided to the California Longitudinal Pupil Achievement Data System on census day of October 5, 2016.

Estimated Immigrant per student allocation	\$80.77
Estimated Immigrant student count	1,172
Estimated Immigrant entitlement amount	\$94,662

Budget

Authorized activities	\$87,402
Direct administration costs (Amount cannot exceed 2% of the estimated entitlement)	\$1,893
Indirect costs (Amount should be calculated using the LEA's approved indirect cost rate)	\$5,367
Total allocation budget	\$94,662

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2017-18 Substitute System for Time Accounting

This certification may be used by auditors and by CDE oversight personnel when conducting audits and sub-recipient monitoring of the substitute time-and-effort system. Approval is automatically granted when the LEA submits and certifies this data collection.

CDE Program Contact:

Julie Brucklacher, Financial Accountability and Info Srv Office, jbruckla@cde.ca.gov, 916-327-0858

The LEA certifies that only eligible employees will participate in the substitute system and that the system used to document employee work schedules includes sufficient controls to ensure that the schedules are accurate. Additional information on the predetermined schedule substitute system of time accounting can be found at <http://www.cde.ca.gov/fg/ac/co/timeaccounting2013.asp>. Detailed information on documenting salaries and wages, including both substitute systems of time accounting, are described in Procedure 905 of the California School Accounting Manual posted on the Web at <http://www.cde.ca.gov/fg/ac/sa/>.

2017-18 Request for authorization	No
LEA certifies that the following is a full disclosure of any known deficiencies with the substitute system or known challenges with implementing the system (Maximum 500 characters)	

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2017-18 Title I, Part A Planned School Allocations

Based on information provided in the School Student Counts data collection, the table below provides eligibility and ranking information. For school allocation planning, the LEA has indicated to which schools it intended to allocate Title I, Part A funds by entering a check in the Fund Flag column.

CDE Program Contact:

Lana Zhou, Title I Policy and Program Guidance Office, lzhou@cde.ca.gov, 916-319-0956
Mindi Yates, Title I Policy and Program Guidance Office, myates@cde.ca.gov, 916-319-0789

If an exception to funding is needed, enter an Exception Reason. Use lower case only.

- Allowable Exception Reasons**
a - Meets 35% Low Income Requirement
d - Desegregation Waiver on File
e - Grandfather Provision
f - Feeder Pattern
g - Local Funded Charter Opted Out
h - Local Funded Charter Opt In
k - Funded with EIA/SCE

Low income measure	FRPM
Group Schools by Grade Span	Yes
District-wide Low Income %	51.32%
Grade Span 1 Low Income %	0.00%
Grade Span 2 Low Income %	54.58%
Grade Span 3 Low Income %	49.99%

School Name	School Code	Grade Span Group	Projected Enrollment	Projected Low Income Students	Low Income %	Eligible for Funding	Funding Required	Ranking	Fund Flag	Exception Reason
National City Middle	6059794	2	807	720	89.22	Y	Y	1	Y	
Granger Junior High	6059778	2	958	754	78.71	Y	Y	2	Y	
Mar Vista Academy	6059786	2	861	677	78.63	Y	Y	3	Y	

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2017-18 Title I, Part A Planned School Allocations

Based on information provided in the School Student Counts data collection, the table below provides eligibility and ranking information. For school allocation planning, the LEA has indicated to which schools it intended to allocate Title I, Part A funds by entering a check in the Fund Flag column.

School Name	School Code	Grade Span Group	Projected Enrollment	Projected Low Income Students	Low Income %	Eligible for Funding	Funding Required	Ranking	Fund Flag	Exception Reason
Castle Park Middle	6059752	2	876	686	78.31	Y	Y	4	Y	
Southwest Middle	6062012	2	631	490	77.65	Y	Y	5	Y	
Chula Vista Middle	6059760	2	837	638	76.22	Y	Y	6	Y	
Sweetwater Community Day	6117154	2	25	19	76.00	Y	Y	7	Y	
Montgomery Middle	6070890	2	839	552	65.79	Y	N	8	Y	
Hilltop Middle	6062004	2	977	554	56.70	Y	N	9	Y	
Bonita Vista Middle	6059745	2	1137	389	34.21	N	N	10	Y	e
Rancho del Rey Middle	6114276	2	1778	433	24.35	N	N	11	N	
Eastlake Middle	6120968	2	1625	283	17.42	N	N	12	N	
Alta Vista Academy	3731460	3	41	36	87.80	Y	Y	1	Y	
Sweetwater High	3738226	3	2675	1962	73.35	Y	N	2	Y	
Southwest Senior High	3730124	3	1910	1377	72.09	Y	N	3	Y	
Castle Park Senior High	3730801	3	1607	1140	70.94	Y	N	4	Y	
San Ysidro High	3731502	3	2447	1734	70.86	Y	N	5	Y	
Chula Vista Senior High	3731064	3	2586	1827	70.65	Y	N	6	Y	
Montgomery Senior High	3738234	3	1712	1093	63.84	Y	N	7	Y	
Palomar High	3732047	3	281	167	59.43	Y	N	8	Y	
Mar Vista Senior High	3733953	3	1673	932	55.71	Y	N	9	Y	
Options Secondary	3731155	3	173	96	55.49	Y	N	10	Y	

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2017-18 Title I, Part A Planned School Allocations

Based on information provided in the School Student Counts data collection, the table below provides eligibility and ranking information. For school allocation planning, the LEA has indicated to which schools it intended to allocate Title I, Part A funds by entering a check in the Fund Flag column.

School Name	School Code	Grade Span Group	Projected Enrollment	Projected Low Income Students	Low Income %	Eligible for Funding	Funding Required	Ranking	Fund Flag	Exception Reason
East Hills Academy	0115873	3	78	42	53.85	Y	N	11	Y	
Hilltop Senior High	3732849	3	2143	1032	48.16	N	N	12	Y	f
Bonita Vista Senior High	3730405	3	2325	629	27.05	N	N	13	N	
Otay Ranch Senior High	3731627	3	2412	641	26.58	N	N	14	N	
Olympian High	0111831	3	2610	598	22.91	N	N	15	N	
Eastlake High	3730843	3	3063	559	18.25	N	N	16	N	

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2017-18 Nonprofit Private School Consultation

The LEA shall provide, on an equitable basis, special education services or other benefits to eligible children attending a nonprofit private school.

CDE Program Contact:

Sylvia Hanna, Title I Policy and Program Guidance Office, shanna@cde.ca.gov, 916-319-0948

The LEA must offer to provide equitable services that address the needs of eligible students attending nonprofit private school and staff under the programs listed below. The enrollment numbers are reported under penalty of perjury by each private school on its annual Private School Affidavit. The information field in the Private School Affidavit is not verified, and the CDE takes no position as to its accuracy. It is expected that districts engaged in private school consultation verify the accuracy of student enrollment data if it is being used for the purpose of providing equitable services.

Note:

The LEA of residence is responsible for providing Title I, Part A services to all eligible students who reside in the LEA's Title I attendance area but attend a nonprofit private school. This includes students who attend nonprofit private schools outside the LEA's boundaries

Results of Consultation Allowable Values

- Y1: meaningful consultation occurred
- Y2: timely and meaningful consultation did not occur
- Y3: the program design is not equitable with respect to eligible private school children
- Y4: timely and meaningful consultation did not occur and the program design is not equitable with respect to eligible private school children

School Name	School Code	Enrollment	Consultation Occurred	Was Consultation Agreement Met	Signed Written Affirmation on File	Results of Consultation	School Added
Berean Bible Baptist Academy	6132906	18	Y	Y	Y	Y1	Y
Lutheran High School of San Diego	6939136	96	Y	Y	Y	Y1	N
Mater Dei Catholic High School	6939169	715	Y	Y	Y	Y1	N

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2017-18 Nonprofit Private School Consultation

The LEA shall provide, on an equitable basis, special education services or other benefits to eligible children attending a nonprofit private school.

School Name	School Code	Enrollment	Consultation Occurred	Was Consultation Agreement Met	Signed Written Affirmation on File	Results of Consultation	School Added
National University Virtual High School	6137368	391	Y	Y	Y	Y1	N
Ocean View Christian Academy	6939177	252	Y	Y	Y	Y1	Y
Our Lady of Mount Carmel School	6975593	229	Y	Y	Y	Y1	Y
Pilgrim Lutheran	6965537	79	Y	Y	Y	Y1	Y
Sam and Rose Stein Education Center-Decena Site	6997969	108	Y	Y	Y	Y1	Y
San Diego Center for Children Academy	7093115	94	Y	Y	Y	Y1	Y
St. Charles Elementary	6975692	205	Y	Y	Y	Y1	Y
St. John of the Cross School	6975742	241	Y	Y	Y	Y1	Y
St. Michael Academy	6137277	114	Y	Y	Y	Y1	Y
St. Pius X	6975866	236	Y	Y	Y	Y1	Y
St. Rose of Lima School	6975874	312	Y	Y	Y	Y1	Y

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2017-18 Title I, Part A Nonprofit Private School Participation

The LEA shall provide, on an equitable basis, special educational services or other benefits to nonprofit private school eligible children.

CDE Program Contact:

Sylvia Hanna, Title I Policy and Program Guidance Office, shanna@cde.ca.gov, 916-319-0948
 Rina DeRose, Title I Policy and Program Guidance Office, RDerose@cde.ca.gov, 916-323-0472

The LEA must offer to provide equitable services that address the needs of eligible students attending nonprofit private school and staff under the programs listed below. The enrollment numbers are reported under penalty of perjury by each private school on its annual Private School Affidavit. The information field in the Private School Affidavit is not verified, and the CDE takes no position as to its accuracy. It is expected that districts engaged in private school consultation verify the accuracy of student enrollment data if it is being used for the purpose of providing equitable services.

School Name	School Code	Enrollment	Participating	Low Income Student Count	Direct Services	Contract Services	School Added
Berean Bible Baptist Academy	6132906	18	Y	5	Y	Y	Y
Lutheran High School of San Diego	6939136	96	Y	2	Y	Y	N
Mater Dei Catholic High School	6939169	715	Y	114	Y	Y	N
National University Virtual High School	6137368	391	N		N	N	N
Ocean View Christian Academy	6939177	252	Y	49	Y	Y	Y
Our Lady of Mount Carmel School	6975593	229	Y	7	Y	Y	Y
Pilgrim Lutheran	6965537	79	N		N	N	Y
Sam and Rose Stein Education Center-Decena Site	6997969	108	Y	18	Y	Y	Y
San Diego Center for Children Academy	7093115	94	Y	2	Y	Y	Y
St. Charles Elementary	6975692	205	Y	19	Y	Y	Y

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2017-18 Title I, Part A Nonprofit Private School Participation

The LEA shall provide, on an equitable basis, special educational services or other benefits to nonprofit private school eligible children.

School Name	School Code	Enrollment	Participating	Low Income Student Count	Direct Services	Contract Services	School Added
St. John of the Cross School	6975742	241	Y	6	Y	Y	Y
St. Michael Academy	6137277	114	Y	3	Y	Y	Y
St. Pius X	6975866	236	Y	15	Y	Y	Y
St. Rose of Lima School	6975874	312	Y	20	Y	Y	Y

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2017-18 Other ESEA Nonprofit Private School Participation

The LEA must offer to provide equitable services that address the needs of nonprofit private school students, teachers and other educational personnel under the programs listed below.

CDE Program Contact:

Anie Wilson, Educator Excellence Office, awilson@cde.ca.gov, 916-445-5669
Patty Stevens, Language Policy and Leadership Office, pstevens@cde.ca.gov, 916-323-5838

Title II, Part A Supporting Effective Instruction

The LEA must offer to provide Title II, Part A equitable services that address the needs of nonprofit private school students, teachers and other educational personnel. The enrollment numbers are reported under penalty of perjury by each private school on its annual Private School Affidavit. The information filed in the Private School Affidavit is not verified and the CDE takes no position as to its accuracy. It is expected that districts engaged in private school consultation verify nonprofit status and the accuracy of student enrollment data if it is being used for the purpose of providing equitable services.

Title III, Part A Immigrant and English Learner Student Subgrant Program

On an annual basis, the LEA must consult with all nonprofit private schools within its boundaries, as to whether the private school students and teachers will participate in the Title III, Part A English Language Acquisition, Language Enhancement, and Academic Achievement Program. Consultation with appropriate nonprofit private school officials must be done during the design and development of programs and before decisions are made that affect the opportunities of students and teachers to participate. LEAs may not require documentation that poses an administrative barrier that is inconsistent to their responsibility to ensure equitable participation of private school students and teachers.

School Name	School Code	Enrollment	Title II, Part A Participation	Title III, Part A Immigrant Participation	Title III, Part A English Learner Participation	School Added
Berean Bible Baptist Academy	6132906	18	Y	N	N	Y
St. Michael Academy	6137277	114	N	N	N	Y

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2017-18 Other ESEA Nonprofit Private School Participation

The LEA must offer to provide equitable services that address the needs of nonprofit private school students, teachers and other educational personnel under the programs listed below.

School Name	School Code	Enrollment	Title II, Part A Participation	Title III, Part A Immigrant Participation	Title III, Part A English Learner Participation	School Added
National University Virtual High School	6137368	391	Y	N	N	N
Lutheran High School of San Diego	6939136	96	Y	Y	Y	N
Mater Dei Catholic High School	6939169	715	Y	Y	N	N
Ocean View Christian Academy	6939177	252	Y	N	N	Y
Pilgrim Lutheran	6965537	79	Y	N	N	Y
Our Lady of Mount Carmel School	6975593	229	Y	N	N	Y
St. Charles Elementary	6975692	205	Y	N	N	Y
St. John of the Cross School	6975742	241	N	N	N	Y
St. Pius X	6975866	236	Y	N	N	Y
St. Rose of Lima School	6975874	312	Y	N	N	Y
Sam and Rose Stein Education Center-Decena Site	6997969	108	N	N	N	Y
San Diego Center for Children Academy	7093115	94	N	N	N	Y

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June 26, 2017

Board Item - G.-8.

Issue:

Local Control Accountability Plan (LCAP).

Superintendent's Recommendation:

* Adopt the Local Control Accountability Plan (LCAP) for the 2017-2018 academic year.

Analysis:

The state requires the Governing Board of the Sweetwater Union High School District to adopt the Local Control Accountability Plan (LCAP) by June 2017.

The Local Control Accountability Plan (LCAP) and Annual Update Template shall be used to provide details regarding Sweetwater Union High School District's actions and expenditures to support pupil outcomes and overall performance pursuant to Education Code Sections 52060, 52066, 47605, 47605.5, and 47606.5.

Pursuant to Education Code Section 52060, the LCAP must describe, for Sweetwater and all of its schools, goals and specific actions to achieve those goals for all pupils and each subgroup of pupils identified in Education Code Section 52052 (*Low income, English Learner, Foster Youth, and Homeless Youth*), including pupils with disabilities, for each of the state priorities and any locally identified priorities.

The LCAP is intended to be a comprehensive planning tool. When developing goals, specific actions, and expenditures, Sweetwater has considered how to reflect the services and related expenses for their basic instructional program in relationship to the state priorities. Sweetwater has referenced and described actions and expenditures in other plans that are funded by a variety of other fund sources when detailing goals, actions, and expenditures related to the state and local priorities. LCAPs must be consistent with school plans submitted pursuant to Education Code Section 64001. The information contained in the LCAP, or annual update, may be supplemented by information contained in other plans (including the LEA plan pursuant to Section 1112 of Subpart 1 of Part A of Title I of Public Law 107-110) that are incorporated or referenced as relevant in this document.

For questions regarding this board item, please contact Ana Maria Alvarez at (619) 691-5546 or ana.alvarez@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description		Type
	LCAP	Backup Material

Board Adoption date June 26, 2017

LCAP Year ☒ 2017-18 ☐ 2018-19 ☐ 2019-20

Local Control Accountability Plan and Annual Update (LCAP) Template



LEA Name	Sweetwater Union High		
Contact Name and Title	Dr. Karen Janney Superintendent	Email and Phone	karen.janney@sweetwaterschools.org (619) 691-5555

2017-20 Plan Summary

THE STORY

Briefly describe the students and community and how the LEA serves them.

Set in southern San Diego County, Sweetwater Union High School district spans from the border with Mexico up the Pacific coast to National City and East to the Otay Mountain foothills. As the largest secondary school district in California, we serve our communities, parents, students, and staffs with excellence in teaching and support for our very diverse population of over 40,000 middle and high school students and over 20,000 adult school attendees. Each Sweetwater student is provided with opportunities to become involved in district-wide activities through various athletics, clubs, after school programs, performing arts, and community events.

Sweetwater is dedicated to putting students first by providing effective initial instruction that leads to engagement and mastery, access to challenging curricula, safe and healthy learning environments focusing on a positive transformational culture, transparent systems of support, and fostering parent and community involvement. Our 2016-17 student enrollment was 39,088, 58% of our students qualify as low income and 24% are identified as English Learners, over 80% of our EL students are Long Term ELs. Over 122 of our students are Foster or Homeless Youth.

Our Local Control and Accountability Plan is a direct reflection of our efforts to involve all stakeholders in a parallel process of continuous review, report, reach-out, and revise. Our LCAP is truly a living document as we receive constant input from stakeholders and make timely and purposeful changes. Sweetwater board members received monthly updates on progress with goals and action steps. District committees, district office personnel, and sites received the same information and continued the parallel process by providing updates on progress and next steps.

For 2016-17, our parallel process continued to develop our areas of growth and target areas needing improvement. Updates to the board on goals and progress in our action steps continued as did our feedback gathering from parent groups, district departments, school sites, and student groups. Our first ever Sweetwater State of the District event was held in February 2017 where students acted as facilitators of discussions centered on the LCAP goals with parents, teachers, staff members, community members, and other district personnel. As a result of the constant process of review and feedback, stakeholders remained informed about progress.

In 2017-18, Sweetwater will continue to provide 21st Century learning to all students in order to support their choices for college and career. Through our efforts with local universities, SUHSD will welcome three Compact for Success cohort students, now university graduates, as credentialed teachers fulfilling our promise to guarantee former Compact Scholars employment if they go into the field of education. Our ongoing efforts to support our community with quality education for each student is our primary objective. As we work together, we put each student's success at the forefront.

LCAP HIGHLIGHTS

Identify and briefly summarize the key features of this year's LCAP.

This year, LCAP Goal 1 focuses on effective initial instruction with attention to engagement and mastery. By focusing targeted professional development on effective initial instruction, providing challenging curricula, and integrating support programs within the school day, we are able to expanding support programs such as AVID, AVID Excel, Literacy and Math Workshops to ensure that each student received the necessary support for their success. Quality first instruction with attention to Common Core State Standards, Next Generation Science Standards, and the ELA/ELD Framework further ensured student achievement and college readiness.

While Goal 1 focuses on teaching and learning, Goal 2 focuses on each student's social emotional well-being and ensuring a positive transformational culture. Encouraging students to become lifelong learners and participants in their own educational experience through engagement in extra-curricular opportunities, strategies like restorative practices, and global partners in excellence increase their sense of belonging to their school/district community. Professional development for staff as well as students in restorative practices has lead our schools and district to be more welcoming and safe spaces for all students. Additionally, the Trauma Informed Care sessions provide key staff members with additional tools to assist our students. Expanding our CTE pathways enabled them to further their outreach into career opportunities and beyond.

Finally, the first two goals cannot be accomplished without Fostering Parent and Community Involvement (LCAP Goal 3) and Ensuring Excellence in Operational Systems of Support (Goal 4). Our parents and community members actively contribute throughout the year as partners in our students' learning through our district level advisory groups as well as at sites. Our district and site facilities and personnel are maintained and supported in order to achieve optimal student success through open communication and attention to details.

REVIEW OF PERFORMANCE

Based on a review of performance on the state indicators and local performance indicators included in the LCFF Evaluation Rubrics, progress toward LCAP goals, local self-assessment tools, stakeholder input, or other information, what progress is the LEA most proud of and how does the LEA plan to maintain or build upon that success? This may include identifying any specific examples of how past increases or improvements in services for low-income students, English learners, and foster youth have led to improved performance for these students.

GREATEST PROGRESS

We have made our greatest progress in the area of English Learner Progress Indicator with 78% of our EL students making progress last year enabling Sweetwater to reach the green level on the California Dashboard. We attribute this growth to targeting professional development to support teachers of both Short Term English Learners(STELs) and Long Term English Learners (LTEs). Additionally, building our curriculum for our ELD and ALD courses through collaboration with/among teachers on special assignment and site teachers has enabled a strategic development of units and lessons of study for English Learners. All of this collaboration has also been captured in our new English Learner Master Plan; the ELMP builds on the LCAP Goals (specifically in Goal 1.2, 1.3, 2.2, 2.3, and 3.2) and provides specific focus on how our district goals are directly targeted to support our English Learners.

Referring to the LCFF Evaluation Rubrics, identify any state indicator or local performance indicator for which overall performance was in the “Red” or “Orange” performance category or where the LEA received a “Not Met” or “Not Met for Two or More Years” rating. Additionally, identify any areas that the LEA has determined need significant improvement based on review of local performance indicators or other local indicators. What steps is the LEA planning to take to address these areas with the greatest need for improvement?

SUHSD overall performance for each area were above the "red" and "orange" performance categories.

Sweetwater Union High - San Diego County

Enrollment: 40,019

Socioeconomically Disadvantaged: 59%

English Learners: 22%

Foster Youth: N/A

Reporting
Year:

Grade Span: K-Adult Charter School: No






Equity Report

Status and Change Report

Detailed Reports

Student Group Report

The Equity Report shows the performance levels for all students on the state indicators. It also shows the total number of student groups that received a performance level. Many of those student groups are in the two lowest performance levels (Red/Orange). The total number of student groups may vary due to the number of grade levels in each indicator. Select any of the underlined indicators for more detailed information.

State Indicators	All Students Performance	Total Student Groups	Student Groups
Chronic Absenteeism	N/A	N/A	N/A
<u>Suspension Rate (K-12)</u>		11	3
English Learner Progress (K-12)		1	0
<u>Graduation Rate (9-12)</u>		9	3
<u>College / Career</u> <small>Available Fall 2017. Select for Grade 11 assessment results.</small>		N/A	N/A
<u>English Language Arts (3-8)</u>		10	1
<u>Mathematics (3-8)</u>		10	1

**GREATEST
NEEDS**

Referring to the LCFF Evaluation Rubrics, identify any state indicator for which performance for any student group was two or more performance levels below the "all student" performance. What steps is the LEA planning to take to address these performance gaps?

PERFORMANCE GAPS

Upon review of key data points, we have identified some state level performance indicators that show two or more performance levels below "All Students".

Each of the following indicators will be targeted for next year:

1. EL and SWD Populations both had "red" performance indicators and our Socioeconomically Disadvantaged population indicated an "orange" for Suspension Rates
2. African-American, Two+ Races and White all fell in the "orange" performance category for Graduation Rates
3. SWD Populations also indicated "red" performance category for Achievement in Mathematics and "orange" for English Language Arts.

The steps we are going to take include:

Suspension rates will continue to be a focus for 2017-18 as we work with providing alternatives to suspensions and expulsions. Careful attention will be given to the EL, SWD, and LI student groups as we work with restorative practices. Additional resources have been added in the 2017-18 LCAP for this purpose such as additional resource teachers and district TOSAs.

Graduation rates, although on the rise, have fallen for the African-Americans, Two+ Races, and white subgroups. With a focus on college and career readiness and A-G graduation goals, these target populations will be an area of focus.

Academic achievement in mathematics and English Language Arts continue to be low performing areas for our Students with Disabilities. In 2017-18, we will work to further improve quality first instruction and provide our teachers with professional development in how to support students with learning disabilities. We have added additional resources for this purpose in the 2017-18 LCAP such as additional tutors, increased focus in our intervention programs and additional resources for math instruction.

INCREASED OR IMPROVED SERVICES

If not previously addressed, identify the two to three most significant ways that the LEA will increase or improve services for low-income students, English learners, and foster youth.

Our focus will be on effective initial instruction, engagement and mastery for each student.

Goal 1: We will ensure access to challenging curricula, effective initial instruction and a positive transformational culture through targeted professional development, a focus on research based instructional strategies and collaboration.

Goal 2: A focus on disaggregated data will provide insight into questions of equity. Continued focus on restorative practices.

Goal 3: Increase support for parent involvement

BUDGET SUMMARY

Complete the table below. LEAs may include additional information or more detail, including graphics.

DESCRIPTION

AMOUNT

Total General Fund Budget Expenditures for LCAP Year

\$451,417,935

Total Funds Budgeted for Planned Actions/Services to Meet the Goals in the LCAP for LCAP Year

\$287,594,596.00

The LCAP is intended to be a comprehensive planning tool but may not describe all General Fund Budget Expenditures. Briefly describe any of the General Fund Budget Expenditures specified above for the LCAP year not included in the LCAP.

The total cost of operating departments located at the District office are not included in the LCAP, for example: Duplicating, Purchasing, Warehouse, Accounts Payable, Payroll, Finance, Student Services, Special Education, Transportation, Maintenance, Human Resources and Benefits departments. The funding the District provides to the Adult Fund is also not included in the LCAP.

\$375,565,245

Total Projected LCFF Revenues for LCAP Year

Annual Update

LCAP Year Reviewed: 2016-17

Complete a copy of the following table for each of the LEA's goals from the prior year LCAP. Duplicate the table as needed.

Goal 1

Goal 1: Ensure excellence in teaching and learning so each student is prepared to succeed in college and career.

State and/or Local Priorities Addressed by this goal:

STATE	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	2	<input type="checkbox"/>	3	<input checked="" type="checkbox"/>	4	<input type="checkbox"/>	5	<input type="checkbox"/>	6	<input checked="" type="checkbox"/>	7	<input checked="" type="checkbox"/>	8
COE	<input type="checkbox"/>	9	<input type="checkbox"/>	10												
LOCAL																

ANNUAL MEASURABLE OUTCOMES

EXPECTED

- at least 56% of students will score "meet or exceed standard" on ELA and at least 39% of students will score "meet or exceed standard" on Math as measured by the SBAC in spring 2017. This represents an increase of 5% from the 2016 goals.
- our LI, SWD, and EL students will show an increase of greater than 5% in "meet or exceed standard" in ELA and Math in SBAC 2017 scores.
- The total number of students scoring "standard not met" will be reduced to 16% in ELA and 30% in math as measured by the SBAC 2017 scores. This represents a decrease of 5% from the 2016 goal scores.
- our LI, SWD, and EL students will show a decrease of greater than 5% in "standard not met" in ELA and Math in 2017 SBAC scores.
- at least 68.3% of ELs will make at least one years progress in learning English as calculated by Annual Measurable Achievement Objective (AMAO)1.

ACTUAL

Scores from the 2015-16 SBAC:

ELA All students who scored "meet or exceed standards" improved by 7% to 54%
 ELA Low Income students who scored "meet or exceed standards" improved by 7% to 44%
 ELA English Learners who scored "meet or exceed standards" improved by 2% to 7%
 ELA Students with Disabilities "meet or exceed standards" improved by 5% to 15%
 Math All Students who scored "meet or exceed standards" who scored improved by 3% to 32%
 Math Low Income students who scored "meet or exceed standards" improved by 7% to 54%
 Math English Learners who scored "meet or exceed standards" decreased by 1% to 4%
 Math Students with Disabilities who scored "meet or exceed standards" improved by 2% to 6%

ELA All students who scored "did not meet standards" decreased by 4% to 22%
 ELA Low Income students who scored "did not meet standards" decreased by 7% to 28%
 ELA English Learners who scored "did not meet standards" decreased by 4% to 63%
 ELA Students with Disabilities "did not meet standards" decreased by 8% to 59%
 Math All Students who scored "did not meet standards" decreased by 1% to 39%
 Math Low Income students who scored "did not meet standards" decreased by 3% to 47%
 Math English Learners who scored "did not meet standards" stayed the same at 77%

- at least 27.0% of ELs that have been in the US for less than 5 years, and 54.9% of ELs that have been in the US 5 or more years attain English Proficient level as calculated by AMAO 2.
- of those students that are still classified as ELs, no fewer than 12.1 % will attain Redesignated Fluent English Proficient (RFEP) status.
- the percentage of of A, B, and C grades in courses required for SUHSD graduation will increase by at least 2%
- the percent of graduating students meeting their CSU/UC A-G requirements increase by at least 2%.
- the number of AP tests taken and passed will increase by at least a 2%.
- the enrollment in CTE and VAPA classes will increase at least 2%.
- 100% of students have access to standards based instructional material as measured by the annual resolution of sufficiency.
- 100% of content teachers will participate in zone PD focused on implementation of state standards for all students including English Learners.
- Increase the number of programs and services (such as SEI , bilingual courses, ELD, Designated ALD, AVID Excel) that enable English language learners to access both the Common Core State Standards and the English Language Development Standards.
- at least 61% in ELA and at least 33% in Math of 11th graders will be ready for college as measured by their EAP status of "ready" or "conditionally ready".
- the total number of seniors successfully completing their FAFSA will increase by 5%.
- the number of students receiving the Seal of Biliteracy will increase by 5% each year.

Math Students with Disabilities who scored "did not meet standards" decreased by 3% to 80%

AMAO (2015-16)

65.8% of English Learners made at least one year progress as measured by CELDT levels.

20.8% of English Learners Less than 5 years cohort attained proficiency on the CELDT.

53% of English Learners More than 5 years cohort attained proficiency on the CELDT.

11.1% of English Learners were reclassified in Spring 2016 .

Local Indicators □

The percentage of As, Bs and Cs remained the same at 83.7%

The percentage of students enrolled in VAPA decreased by 2% to 39%

The percentage of students enrolled in CTE increased by 4% to 38%

The A-G Completion rate increased from 46.7% to 51.3%

The Number of AP Tests taken increased from 11352 to 13309.

The percentage of AP Tests passed decreased from 51% to 50%

- 100% of students had access to standards based instructional material as measured by the annual resolution of sufficiency.
- Over 90% of content teachers participated in zone PD focused on implementation of state standards for all students including English Learners.

Increased the number of programs and services (such as SEI , bilingual courses, ELD, Designated ALD, AVID Excel).

The percentage of students who are at least conditionally ready as measured by the 11th Grade ELA SBAC increased by 7% to 63%.

The percentage of students who are at least conditionally ready as measured by the 11th Grade Math SBAC increased by 3% to 31%.

The percentage of FAFSA applications completed decreased by 1% to 50%.

The number of students who received a Seal of Biliteracy increased from 1038 to 1163.

ACTIONS / SERVICES

Duplicate the Actions/Services from the prior year LCAP and complete a copy of the following table for each. Duplicate the table as needed.

Action

1

Actions/Services

PLANNED

1.1 District base program ensures:

- a. Highly qualified certificated (in-ratio 30:1) and classified staff that provide quality first instruction and support to all students, including English Learners (EL), Low Income (LI), Foster Youth (FY), Homeless Youth (HY) and Students With Disabilities (SWD).
- b. Standards aligned instructional materials are provided to all students.
- c. Professional development in California Standards aligned curriculum and district-wide initiatives with focus on literacy skills, quality first instruction, and mastery.
- d. Counselors (in-ratio 400:1) that support all students to be on-course to graduate prepared for college and career.
- e. Progress of students toward Expected Measurable Outcomes is monitored through a balanced assessment system, including End-of-Course Exams, district provided performance tasks, and common formative assessments.
- f. A comprehensive research-based ELD program aligned to ELA/ELD framework ensures English learners progress quickly toward reclassification.

ACTUAL

Base insures:

- a. A ratio of 30:1 teacher to student ratio.
- b. Standards aligned instructional materials are provided to all students.
- c. Professional development in California Standards aligned curriculum and district-wide initiatives with focus on literacy skills, quality first instruction, and mastery.
- d. Counselors (in-ratio 400:1) that support all students to be on-course to graduate prepared for college and career.
- e. Progress of students toward Expected Measurable Outcomes is monitored through a balanced assessment system, including both site and district end of course (EOC) exams, district provided performance tasks.
- f. We continue to work towards having a comprehensive research-based ELD program aligned to ELA/ELD framework to ensure English learners progress quickly toward reclassification.
- g. We engaged in a collaborative process to develop the English Learner Master Plan. The ELMP is in draft form and will be ready by the start of the 2017-18 school year.

g. Engage in a collaborative process to develop the English Learner Master Plan.

h. Alternative educational opportunities and programs provide differentiated learning environments. (Palomar High(PH), Teen Parent Program, Options Secondary School(OSS), Community Day School, Independent Study, Learning Centers, East Hills Academy(EHA), Alta Vista Academy(AVA))

i. The Teacher Induction Program develops teacher proficiency in the California Standards for the Teaching Profession, California Content Standards, and districtwide initiatives.

j. Under the direction of the Principal, each site has Assistant Principals that ensure site programs are monitored, evaluated and supported.

k. Instructional assistants and additional classified support staff working with students during school day.

h. Alternative educational opportunities and programs provided differentiated learning environments. (Palomar High(PH), Teen Parent Program, Options Secondary School(OSS), Community Day School, Independent Study, Learning Centers, East Hills Academy(EHA), Alta Vista Academy(AVA))

i. The Teacher Induction Program developed teacher proficiency in the California Standards for the Teaching Profession, California Content Standards, and districtwide initiatives.

j. Under the direction of the Principal, each site has Assistant Principals that ensure site programs are monitored, evaluated and supported.

k. Instructional assistants and classified support staff work with students during school day.

Expenditures

BUDGETED

- a. objects 1100, 1200,2100,3000 Base \$159,702,648
- d. objects 1100,1200,3000 Base \$12,307,101
- h. Base \$67,406,617
- i. Grant funded until 2018
- j. Base \$8,980,024
- k. objects 2100, 2200, 2400, 2900, 3000 Base \$530,740

ESTIMATED ACTUAL

- a. objects 1100, 1200,2100,3000 0000: Unrestricted Base \$154,471,604
- d. objects 1100,1200,3000 0000: Unrestricted Base \$11,461,888
- h. 0001-0999: Unrestricted: Locally Defined Base \$17,397,466
- i. Grant funded until 2018
- j. 0000: Unrestricted Base \$5,936,894
- k. objects 2100, 2200, 2400, 2900, 3000 Base \$11,392,806

Action

2

Actions/Services

PLANNED

1.2 Ensure all students have access to resources that support higher levels of rigor, including LI, FY/HY, EL, SWD students.

a. Increase enrollment in Advanced Placement (AP), Honors, Accelerated, Visual and Performing Arts (VAPA), Advancement Via Individual Determination (AVID), and Career and Technical Education (CTE) courses.

ACTUAL

1.2 Ensure all students have access to resources that support higher levels of rigor, including LI, FY/HY, EL, SWD students.

a. Enrollment in the following programs increased:
Advanced Placement (AP)
Career Technical Education (CTE)
Visual Performing Arts (VAPA)

b. Investigate/Implement flexible scheduling to increase student course opportunities and participation in specialized programs: CTE, VAPA, AVID, Dual Immersion, Science Technology Engineering Art Math (STEAM) and other academies.

c. Continue existing and investigate new partnerships with post-secondary institutions and community stakeholders.

d. Increase the number of seniors receiving the seal of biliteracy each year.

BUDGETED

a. object 1900, 3000 Base \$4,214,847

Advancement Via Individual Determination (AVID)

b. Several sites investigated and implemented flexible scheduling options to increase student course opportunities.

c. We have partnership with UCSD, USD, SDSU, SWC and Palomar college to prepare our students for college and career.

d. The number of students who have received the Seal of Biliteracy has increased again this year.

ESTIMATED ACTUAL

a. object 1900, 3000 Base \$3,438,625

Expenditures

Action

3

Actions/Services

PLANNED

1.3 Supplemental staffing ensures support for teaching and learning.

a. Lower the student-teacher ratio to 28:1 providing additional time to work with EL, LI, FY, HY students to reach mastery in the classroom.

b. Lower the student-teacher ratio in ELD classes to 25:1 to provide additional time to work with English Learners.

c. Lower the student-counselor ratio to 360:1 providing additional time to work with EL, LI, FY, HY students and their parents regarding mastery of standards in the classroom, a 4-6 year plan for each student's success, and College and Career Readiness (CCR).

d. Teachers on Special Assignment (TOSA) /Resource teachers, including district TOSA's to facilitate teacher training and curriculum integration that include how to meet the needs of all students in the classroom, including EL, LI, FY, HY, SWD.

ACTUAL

1.3 Supplemental staffing ensures support for teaching and learning.

a. We hired teachers to increase our student-teacher ration to 28:1 in support of our EL, LI, FY and HY students.

b. We hired teachers to increase our student-teacher ratio in ELD classes to 25:1 to provide additional time to work with English Learners. (Spring 2017 Reclassification rate is 17.6%)

c. We hired counselors to increase our student-counselor ratio to 360:1 providing additional time to work with EL, LI, FY, HY students and their parents. (The A-G Completion rate increased from 46.7% to 51.3%)

d. All schools participated in districtwide training developed and implemented by district Teachers on Special Assignment (TOSA).

e. Hired tutors and student program facilitators to work with students during school day.

e. Instructional assistants and additional classified support staff working with students during school day.

f. Site intervention specialists monitor, coordinate, and implement interventions to assist students in reaching mastery of standards, especially EL, LI, FY, HY.

g. Family Community Services Program Coordinator and support staff to work with Foster Youth/Homeless Youth Site Liaisons and programs.

h. Blended Learning Specialists/Teacher librarians to increase digital citizenship and support use of technology for all students to acquire 21st Century Skills.

i. Extend library/media centers hours and resources in order for Teacher librarians to support all students before and after school, including student athletes.

j. District AVID TOSA(s) and site AVID coordinators will work with site administrators and counselors to implement the AVID program including recruiting college tutors from local colleges and universities.

k. Counselors to support students in all Learning Centers, Palomar High School and Alta Vista Academy.

l. Professional development in California Standards aligned curriculum and in district-wide initiatives with a focus on literacy skills, quality first instruction, mastery, social-emotional needs and technology enhanced instruction.

m. Additional Assistant Principals at 5 Middle schools and funding provided for current Assistant Principals to provide instructional leadership for all students with a focus on monitoring, evaluating, and accountability principally targeted towards EL, LI, FY and HY students.

n. College and Career Readiness activities, workshops and meetings will provide support for students to explore and build skills for post-secondary educational and career opportunities.

f. Site Intervention Specialists (AKA Coordinated Integrated Services) were hired at every site to implement interventions to assist students in reaching mastery of standards, especially EL, LI, FY, HY.

g. Family Community Services Program Coordinator and support staff to work with Foster Youth/Homeless Youth Site Liaisons and programs. Increased support staff to include a counselor and a student program facilitator.

h. Blended Learning Specialists/Teacher librarians were hired to increase digital citizenship and support use of technology for all students to acquire 21st Century Skills.

i. Library/media centers hours were extended and resources increased in order for Teacher librarians to support all students before and after school, including student athletes.

j. District AVID TOSA(s) and site AVID coordinators worked with site administrators and counselors to implement the AVID program including recruiting college tutors from local colleges and universities.

k. Counselors to support students in all Learning Centers, Palomar High School and Alta Vista Academy were all increased to a 1.0 FTE.

l. Three School Leadership Team (125 attendees per session) trainings were provided to implement California Standards aligned curriculum and in district-wide initiatives with a focus on literacy skills, quality first instruction, mastery, social-emotional needs and technology enhanced instruction.

m. Additional Assistant Principals were hired at 5 Middle schools and funding provided for current Assistant Principals to provide instructional leadership for all students with a focus on monitoring, evaluating, and accountability principally targeted towards EL, LI, FY and HY students.

n. All schools provided College and Career Readiness activities, workshops and meetings to support students to

Expenditures

BUDGETED

- a. Object 1100, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$11,498,000
- b. Object 1100, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$4,350,000
- c. Object 1200, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$1,350,000
- d. Object 1900, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$2,677,000
- e. Object 2900, 3000 2000-2999: Classified Personnel Salaries Supplemental and Concentration \$1,000,000
- f. Object 1900, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$2,300,000
- g. Object 1200, 1300, 2100, 2900, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$430,000
- h. Object 1900, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$950,000
- i. Object 1200, 3000, 4300, 4400 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$250,000
- j. Object 1900, 2900, 4300, 4400, 5100, 5200, 5700, 5800, Supplemental and Concentration \$1,000,000
- k. Object 1200, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$828,000
- l. Object 1100, 1200, 2100, 2400, 2900, 3000 Supplemental and Concentration \$1,111,342
- m. Object 1300, 3000 Supplemental and Concentration \$2,774,112
- n. 0000-C&C Supplemental and Concentration \$64,000

explore and build skills for post-secondary educational and career opportunities.

ESTIMATED ACTUAL

- a. Object 1100, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$8,457,835.00
- b. Object 1100, 3000 Supplemental and Concentration \$4,045,174.81
- c. Object 1200, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$1,313,408
- d. Object 1900, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$2,026,855.16
- e. Object 2900, 3000 2000-2999: Classified Personnel Salaries Supplemental and Concentration \$895,897.31
- f. Object 1900, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$2,642,286
- g. Object 1200, 1300, 2100, 2900, 3000 Supplemental and Concentration \$213,108.42
- h. Object 1900, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$839,977.73
- i. Object 1200, 3000, 4300, 4400 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$173,238.49
- j. Object 1900, 2900, 4300, 4400, 5100, 5200, 5700, 5800, Supplemental and Concentration \$937,275.99
- k. Object 1200, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$951,004.39
- l. Object 1100, 1200, 2100, 2400, 2900, 3000 Supplemental and Concentration \$183,436.65
- m. Object 1300, 3000 1000-1999: Certificated Personnel Salaries Supplemental and Concentration \$2,774,112.00
- n. 0000-C&C Supplemental and Concentration 16,838.00

Action

4

Actions/Services

PLANNED

1.4 Targeted/Supplemental interventions provide support for teaching and learning to unduplicated student groups.:

- a. Assist students in achieving standards by purchasing supplemental instructional materials especially EL, LI, FY, HY

ACTUAL

1.4 Targeted/Supplemental interventions provide support for teaching and learning to unduplicated student groups.:

- a. We purchased Achieve 3000, Schmoop, Math 180, APEX learning, PSAT for Grades 10 and 11, Gizmos for grades 7 through 9, Review 360, EBSCO, World Book Online, and Literacy TA.

b. Ensure additional academic support to students through site level integrated and extended day/week/year interventions.

c. Ensure additional academic support to students by providing summer school opportunities.

d. Specific services, resources, instructional strategies and programs are available to meet the different academic needs and profiles of ELs (newcomers, Long Term English Learners), FY, HY, LI.

e. Provide to staff summary data on multiple measures of performance by school and drill down to subgroups. Paired with professional development opportunities to share best practices, participate in co-learning activities, and deepen our knowledge of effective teaching and learning.

f. Office of State and Federal Programs provides district wide technical assistance, professional development support, and guidance toward meeting Title I, Title III, and LCAP goals and initiatives.

b. Paid staff to implement Saturday and after school programs as intervention and tutoring.

c. Six high schools and all middle schools offered summer school. We recovered over 7400 credits through these programs.

d. We funded the ELD task force to consider textbook adoption, placement guidelines, curriculum guides, pacing guides, and assessments to meet the different academic needs and profiles of ELs (newcomers, Long Term English Learners), FY, HY, LI.

e. We entered into an MOU with the CORE districts for data sharing and collaboration to improve our services to students and close the achievement gap.

f. State and Federal has provided technical support and professional development through monthly Coordinated Integrated Services (CIS) meetings, Principal meeting updates and on site visits. in order to provide guidance toward meeting Title I, Title III, and LCAP goals and initiatives.

Expenditures

BUDGETED

a. Object 4200 Supplemental and Concentration \$1,300,400

b. Object 1100, 1200, 2900, 3000, 4200, 4300, 4400 Supplemental and Concentration \$1,000,000

c. Object 1100, 1200, 2100, 2200, 2400, 2900, 3000, 4300 Supplemental and Concentration \$1,100,000

d. Object, 1100, 1200, 2100, 2400, 2900, 3000, 4200, 4300, 4400, 5100, 5200, 5600, 5700, 5800 Supplemental and Concentration \$3,000,000

AVA - Object, 1100, 1200, 2100, 2400, 2900, 3000, 4200, 4300, 4400, 5100, 5200, 5600, 5700, 5800 Supplemental and Concentration \$30,000

e. Supplemental and Concentration \$40,000

f. Object 1100, 1300, 1900, 2100, 2200, 2400, 2900, 3000, 4200, 4300, 4400, 4700, 5100, 5200, 5300, 5600, 5710, 5750, 5800, 5900 Supplemental and Concentration \$1,000,000

ESTIMATED ACTUAL

a. Object 4200 4000-4999: Books And Supplies Supplemental and Concentration \$1,291,396.83

b. Object 1100, 1200, 2900, 3000, 4200, 4300, 4400 Supplemental and Concentration \$1,051,733.86

c. Object 1100, 1200, 2100, 2200, 2400, 2900, 3000, 4300 Supplemental and Concentration \$1,100,000

d. Object, 1100, 1200, 2100, 2400, 2900, 3000, 4200, 4300, 4400, 5100, 5200, 5600, 5700, 5800 Supplemental and Concentration \$2,130,944

AVA - Object, 1100, 1200, 2100, 2400, 2900, 3000, 4200, 4300, 4400, 5100, 5200, 5600, 5700, 5800 Supplemental and Concentration \$97,893

e. Supplemental and Concentration \$39,200.00

f. Object 1100, 1300, 1900, 2100, 2200, 2400, 2900, 3000, 4200, 4300, 4400, 4700, 5100, 5200, 5300, 5600, 5710, 5750, 5800, 5900 Supplemental and Concentration \$1,036,650.49

ANALYSIS

Complete a copy of the following table for each of the LEA's goals from the prior year LCAP. Duplicate the table as needed.

Use actual annual measurable outcome data, including performance data from the LCFF Evaluation Rubrics, as applicable.

Describe the overall implementation of the actions/services to achieve the articulated goal.

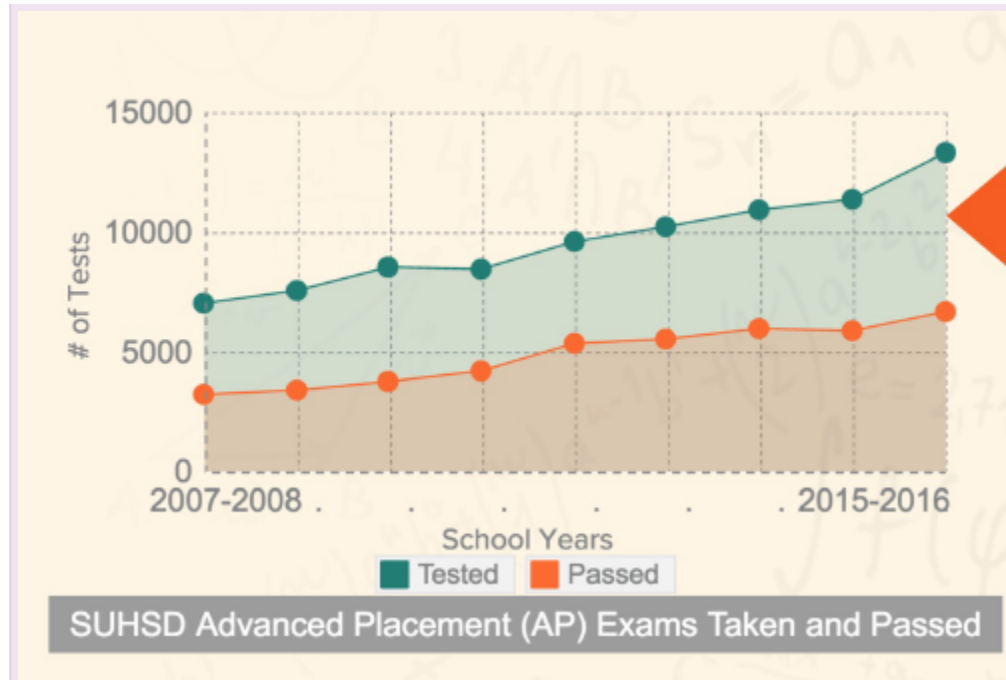
Sweetwater has begun the process of transforming our school culture from an intervention-centric culture to an effective initial instruction-centric culture with attention to engagement and mastery. This work has been led by a partnership with National Center for Urban School Transformation (NCUST) and San Diego State University who have led our work with School Leadership Teams. We have also worked for two years to renew our English Learner Master Plan and partnered with the CORE districts to disaggregate data to better serve all of our student groups.

Describe the overall effectiveness of the actions/services to achieve the articulated goal as measured by the LEA.

SUHSD is seeing strong and consistent growth in enrollment in our rigorous courses including Advancement Placement, Career Technical Education, and AVID.

Strong growth occurred in English Language Arts as measured by our 7% increase in SBAC proficiency. According to the California Dashboard, SUHSD has also seen an increase in our English Learner Indicator to 77.8% which marked a green performance level.

Additionally, unduplicated students received additional support through purchases of specific supplemental computer-based programs and equipment, additional supplemental staffing, and targeted interventions to either recover credit and increase graduation rates or opportunities for students to experience reteaching/retesting to increase grades.



Explain material differences between Budgeted Expenditures and Estimated Actual Expenditures.

- 1.1 h: Budget Inaccurately included costs already accounted for in other actions/services budgets.
- 1.1 j: Budget was over calculated.
- 1.1 k: Budget excluded cost of Special Education Instruction Aides which are 65% funded from base contribution.
- 1.2 a: budget was over calculated.
- 1.3 a: We had a decrease in anticipated staffing.
- 1.3 g: We were not able to fully staff this initiative.
- 1.3 n: Not all anticipated activities were carried out.

Describe any changes made to this goal, expected outcomes, metrics, or actions and services to achieve this goal as a result of this analysis and analysis of the LCFF Evaluation Rubrics, as applicable. Identify where those changes can be found in the LCAP.

To ensure effective initial instruction that leads to student engagement and mastery, 3 additional staff days were added to provide district wide Professional Development. This will also serve to significantly decrease the number of days that teachers and staff are pulled from their students for PD purposes (stakeholders have expressed concern over the number of days teachers are pulled out of class). Goal 1.3 d.

The areas of greatest concern are Mathematics performance on SBAC including the gap between our lowest and highest performing student groups. Based on state and district data, SUHSD will provide funding to targeted schools in order to provide support for mathematics. Goal 1.2 m

In order to provide more in class support, SUHSD will increase funding for tutors to work at specific sites. Goal 1.2 e.

[Home](#) / [Sweetwater Union High - San Diego](#) / [Math Assessment Report](#)

Math Assessment Report

Sweetwater Union High - San Diego County












Enrollment: 40,019 Socioeconomically Disadvantaged: 59% English Learners: 22% Foster Youth: N/A

Grade Span: K-Adult Charter School: No

 Reporting Year: Spring 2017
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[Detailed Reports](#)
[Student Group Report](#)

This report shows the performance levels for a single state indicator, Math Assessment, for all student groups. It also shows how the current year (status) compares to prior years (change) for each state indicator. Status and change each have five possible levels, which are displayed with the data for each indicator. Select any of the underlined student groups for more detailed information.

[All](#)
[Blue/Green](#)
[Yellow](#)
[Red/Orange](#)

	Student Performance	Number of Students	Status	Change
All Students		10,263	Low 48.7 points below level 3	Increased +7.9 points
English Learners		4,527	Low 83 points below level 3	Increased +5.0 points
Foster Youth		N/A	N/A	N/A
Homeless		N/A	N/A	N/A
Socioeconomically Disadvantaged		6,094	Low 76.8 points below level 3	Increased +6.8 points
Students with Disabilities		1,099	Very Low 157 points below level 3	Maintained -0.1 points
African American		283	Low 64.7 points below level 3	Increased +7.2 points
American Indian		19	Low 39.3 points below level 3	Increased Significantly +24.8 points
Asian		191	Very High 71.5 points above level 3	Increased Significantly +18.2 points
Filipino		897	High 26.8 points above level 3	Increased +10.8 points
Hispanic		7,643	Low 67 points below level 3	Increased +6.6 points
Pacific Islander		36	Low 38.9 points below level 3	Increased Significantly +23.7 points
Two or More Races		558	High 0.7 points above level 3	Increased +6.7 points
White		635	Medium 7.1 points below level 3	Increased +9.9 points

Annual Update

LCAP Year Reviewed: 2016-17

Complete a copy of the following table for each of the LEA's goals from the prior year LCAP. Duplicate the table as needed.

Goal 2

Goal 2: Create a safe and healthy learning environment for each student by building a culture of equity and a positive climate that promotes excellence throughout the district.

State and/or Local Priorities Addressed by this goal:

STATE	<input type="checkbox"/>	1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>	4	<input checked="" type="checkbox"/>	5	<input checked="" type="checkbox"/>	6	<input type="checkbox"/>	7	<input type="checkbox"/>	8
COE	<input type="checkbox"/>	9	<input type="checkbox"/>	10												
LOCAL																

ANNUAL MEASURABLE OUTCOMES

EXPECTED

- a. district-wide attendance rate will increase by .5%.
- b. chronic absenteeism will decrease by 1%
- c. decrease suspension rate by 1% and decrease the total number of expulsions by 20%
- d. decrease both the middle and the high school dropout rate by 1%..
- e. increase high school graduation rate by 2%
- f. each student will feel safe and connected at school as measured by an increase of 5% of those reporting to feel "Happy and Safe at School" on local climate measures including surveys such as the California Health Kids Survey (CHKS)**measured in 2016-17.

ACTUAL

- a. Attendance rate data was 96.71%.
- b Chronic absenteeism data will be available in June.
- c. Suspension rate maintained in 2015-16 and remains at performance level yellow.
- d. 2015-2016 overall dropout rate was 6.3%. 2016-2017 dropout rate not yet available to compare
- e. High school graduation rate increased by 1.3% with English learners seeing significant growth by 6.7%.
- f. Data will be provided in a Fall 2017 update.

Graduation Rates Report

Sweetwater Union High - San Diego County

Enrollment: 40,019 Socioeconomically Disadvantaged: 59% English Learners: 22% Foster Youth: N/A

Grade Span: K-Adult Charter School: No

Reporting Year: Spring

Equity Report

Status and Change Report

Detailed Reports

Student Group Report

This report shows the performance levels for a single state indicator, Graduation Rates, for all student groups. It also shows how the current year (status) compares to prior year state indicator. Status and change each have five possible levels, which are displayed with the data for each indicator. Select any of the underlined student groups for more details.

All

Blue/Green

Yellow

Red/Orange

	Student Performance	Number of Students	Status	Change
<u>All Students</u>		6,731	Medium 86.5%	Increased +1.3%
<u>English Learners</u>		2,052	Low 80.3%	Increased Significantly +6.7%
Foster Youth		N/A	N/A	N/A
Homeless		N/A	N/A	N/A
<u>Socioeconomically Disadvantaged</u>		4,758	Low 84%	Increased +1.2%
<u>Students with Disabilities</u>		812	Low 69.3%	Increased +2.5%
<u>African American</u>		207	Low 82.1%	Declined -2.1%
<u>American Indian</u>		12	High 91.7%	Increased Significantly +16.7%
<u>Asian</u>		104	Very High 95.2%	Increased +1.4%
<u>Filipino</u>		622	Very High 95.5%	Increased +2%
<u>Hispanic</u>		5,069	Medium 85.2%	Increased +1.6%
<u>Pacific Islander</u>		20	Very High 100%	Increased Significantly +14%
<u>Two or More Races</u>		281	Medium 89%	Declined -2.6%
<u>White</u>		415	Medium 86.8%	Declined -1%

ACTIONS / SERVICES

Duplicate the Actions/Services from the prior year LCAP and complete a copy of the following table for each. Duplicate the table as needed.

Action

1

Actions/Services

PLANNED

2.1 District base program ensures a safe and healthy learning environment for all students:

- a. Maintain clean and safe school campuses by providing appropriate staffing (custodians, gardeners).
- b. Support a safe and secure campus by providing appropriate staffing (including assistant principals, campus assistants, and School Resource Officers) and necessary technology
- c. All students have access to trained staff to support their Social Emotional and Health needs, including LI, EL, FY, HY, SWD.
- d. Create opportunities for students to increase connectedness to school through exploration, participation in school clubs, groups, organizations, etc. to build climate/culture.
- e. Provide administrative training and professional development to reduce suspension/expulsion rates and increase attendance and graduation rates.
- f. Maintain district and site websites and phone call system to publicize community events to increase student and parent involvement as stakeholders (i.e. VAPA, Open House, Sports events, AVID night, College Fair, etc)

BUDGETED

a. objects 2200, 2900, 3000 Base \$13,811,950

ACTUAL

2.1 District base program ensures a safe and healthy learning environment for all students:

- a. Appropriate staffing ensured clean and safe campuses. Increased number in gardeners by schools and HVAC Technician. Focused on Facility program as focused effort, once a month selected one school to address work orders.
- b. Increase in Assistant Principals by .2 at every campus to support low-income, English learners and homeless/foster youth. Necessary technology was added to improve safety such as enhanced radios and safety training.
- c. Provided an increased level of trainings in trauma-informed care, restorative practices, the Art of Communication, The Exchange, and mediation.
- d. Improved opportunities for students to increase connectedness to school as evidenced by increased participation in school Gay Straight Alliances (GSA's), ASB's and student leaders, and school led opportunities to improve student voice (i.e. Southwest High: student Empowerment groups, Castle Park High: Social Justice Clubs).
- e. Increase in Professional Development for all management focusing on Discipline, Restorative Practices, Trauma-Informed Care, Safe Spaces for LGBTQ+ youth, Commercial Sexual Exploitation of Children, and Mindful Communication.
- f. Maintained district and site websites and phone call system to publicize community events to increase student and parent involvement as stakeholders (i.e. VAPA, Open House, Sports events, AVID night, College Fair, etc)

ESTIMATED ACTUAL

a. objects 2200, 2900, 3000 Base \$13,658,375

Expenditures

b. objects 2900, 3000 Base \$8,229,641
c. Object 1200, 3000 Base \$2,663,281

b. objects 2900, 3000 0000: Unrestricted Base \$3,651,340
c. Object 1200, 3000 0000: Unrestricted Base \$3,941,806

Action

2

Actions/Services

PLANNED

2.2 Supplemental staff and services ensure a safe and healthy learning environment for all students:

- a. TOSAs to coordinate and provide staff development for after school programs to support all students, including EL, LI, FY, HY.
- b. Division of Teaching and Learning coordinate and provide staff development, ELD materials, and support for EL students and parents.
- c. Designated staff to organize extracurricular activities and transportation that foster student engagement and support including EL, LI, FY, HY.
- d. Provide custodial staff to support after school programs and activities.
- e. Mental Health Staff to provide social and emotional support to all students with a focus on EI, FY, HY, LI
- f. Administrators, teachers, counselors, and classified staff receive professional growth opportunities in the appropriate skills in order to provide an optimal learning environment for students and staff. (Trauma Informed Care Series and other trainings)
- g. District nurses and psychologists to provide physical and mental health, support social-emotional well-being of all students, and provide a targeted focus for EL, LI, FY and HY students.

ACTUAL

- a. TOSAs coordinated and provided staff development for after school programs to support all students, including EL, LI, FY, HY. Monthly meetings were held and site visits were conducted to provide support.
- b. Division of Teaching and Learning coordinated and provided staff development, ELD materials, and support for EL students and parents through zone and cohort meetings, specific PD pullouts for LTEL support, parent workshops.
- c. Designated staff organized extracurricular activities and transportation that foster student engagement and support including EL, LI, FY, HY. College visits, cultural experiences, leadership youth conferences. □
- d. Provided custodial staff to support after school programs and activities.
- e. Mental health team has been able to assist with Crisis Intervention, SST meetings, support foster and homeless students, and provide assistance and referrals for students through SARB.
- f. This year staff received the following professional growth opportunities:
Trauma-Informed Practices for Schools: An overview for administrators, counselors, psychologists and nurses; and a four part in-depth cohort training series for school site teams.
Restorative Practices for school teams and pilot schools
Engaging the Adolescent Brain for school teams
Student Services through an Equity Lens Series for management (Restorative Practices, Safe Spaces for LGBTQ Youth, Trauma Informed Care, Commercial and Sexual Exploitation of Children, Mindful Communication).

Expenditures

BUDGETED

- a. Object 1900, 3000 Supplemental and Concentration \$800,000
- b. Funded in 1.3
- c. Object 5700, 5800 Supplemental and Concentration \$50,000
- d. Object 2200, 3000, 4300, Supplemental and Concentration \$25,000
- e. Object 2900, 3000 Supplemental and Concentration \$140,000
- f. Object 1100, 1200, 2100, 2400, 2900, 5100, 5800 Supplemental and Concentration \$25,000
- g. Object 1200, 3000 Supplemental and Concentration \$1,420,944

g. District nurses and school psychologists provided physical and mental health support (coping skills, stress relief strategies, substance abuse education, crisis intervention, and group counseling)

ESTIMATED ACTUAL

- a. Object 1900, 3000 Supplemental and Concentration 711,129
- b. Funded in 1.3
- c. Object 5700, 5800 Supplemental and Concentration \$15,000
- d. Object 2200, 3000, 4300, 2000-2999: Classified Personnel Salaries Supplemental and Concentration \$21,029
- e. Object 2900, 3000 (Medical Collaborative) Supplemental and Concentration \$315,000
- f. Funded in 2.3 c Supplemental and Concentration
- g. Object 1200, 3000 Supplemental and Concentration 1,288,515

Action

3

Actions/Services

PLANNED

2.3 Systematic support for all students to build a culture of equity:

- a. Create a district wide plan to implement alternative behavior management systems such as Restorative Practices.
- b. Provide training for site personnel to appropriately respond to students in crisis, social emotional needs, conflict resolution referrals, victims of bullying, social media, etc.
- c. Office of Equity, Culture, and Student Services implements year 1 of the Equity Plan and facilitates ongoing Equity surveys and site visits.
- d. Teacher librarians will provide safe and engaging physical spaces for students that support diversity and a sense of belonging, facilitate activities that support technology and literacy, and provide safe "virtual spaces" through grade-appropriate online resources.

ACTUAL

2.3 Systematic support for all students to build a culture of equity:

- a. A district-wide discipline plan was developed focusing on a systemic way of addressing student behaviors by incorporating appropriate alternative means of correction. Four pilot schools were selected to implement Restorative Practices. Year 1 consisted of professional development necessary to build a common understanding and a focus on community development.
- b. District staff participated in the following professional growth opportunities:
Title IX professional development
The Exchange - conflict resolution strategies for students and adults
Safety and Security Training - Crisis Intervention
Mediation Training - team of administrators selected to participate

		<p>Art of Communication - Communication strategies that support healthy dialogue and strategies for addressing difficult conversation</p> <p>c. Implementation of the Equity plan included: district and school administrators engaged in a year long series of school site walkthroughs: Learning and Equity Walks. The focus was to provide feedback to the site administrators and staff through an equity lens to a self identified problem of practice.</p> <p>d. Included in LCAP Goal 1.3 i</p>
Expenditures	<p>BUDGETED b. Funded in 2.2</p> <p>c. Object 1100,1200, 2100, 2400, 2900, 4300, 4400, 5100, 5200, 5700, 5800 Supplemental and Concentration \$177,000</p>	<p>ESTIMATED ACTUAL b. Funded in 2.2 b</p> <p>c. Object 1100,1200, 2100, 2400, 2900, 4300, 4400, 5100, 5200, 5700, 5800 Supplemental and Concentration 139,427</p>

ANALYSIS

Complete a copy of the following table for each of the LEA's goals from the prior year LCAP. Duplicate the table as needed.

Use actual annual measurable outcome data, including performance data from the LCFF Evaluation Rubrics, as applicable.

Describe the overall implementation of the actions/services to achieve the articulated goal.

Services were implemented with a clear focus on "Putting Students First." Professional development and student and staff supports/services resulted in a shared understanding of strategies to build positive relationships and a safe and healthy learning environment for each student and district employee. Creating a healthy and positive instructional, classroom, school and work environment was the explicit focus of LCAP Goal 2. With this in mind, the goal also emphasized targeted and equitable services to support diverse student groups which have been historically underserved.

Describe the overall effectiveness of the actions/services to achieve the articulated goal as measured by the LEA.

The developed objectives for LCAP Goal 2 remained consistent throughout the 2016-2017 school year. Attendance rate data was 96.71%. High school graduation rate increased by 1.3% with English learners seeing significant growth by 6.7%.

A number of metrics were developed to determine the effectiveness of services regarding LCAP Goal 2. In addition, dialogue and collaboration with other district departments assured that metrics were consistent (systemically) and effectively measured all desired outcomes. Identified metrics revolved around student achievement, student programs and services, teacher effectiveness, student and staff relationships, classroom and school environments, teaching and learning, and student/staff safety and security. Further, LCAP Goal 2 was aligned with the district's vision and the Equity Plan (Year One: "Bringing Equity into Focus"). Based on school visits, staff and student surveys, focus groups, as well as observations, LCAP Goal 2 actions/services were largely effective in obtaining all articulated objectives.

Explain material differences between Budgeted Expenditures and Estimated Actual Expenditures.

2.1 b: Budget included Assistant Principal cost already accounted for on action/service 1.1 j.
 2.1 c: Budget excluded cost of Nurses.
 2.2 c expenditures were less than anticipated as transportation was provided by the district and fewer charter buses had to be hired. SUHSD transportation is a lower cost than the charter buses.

Other differences in amounts are attributed to actual salary and extra duty expenses.

Describe any changes made to this goal, expected outcomes, metrics, or actions and services to achieve this goal as a result of this analysis and analysis of the LCFF Evaluation Rubrics, as applicable. Identify where those changes can be found in the LCAP.

For the 2017-2018 school year, the focus will be on “Leading and Working Toward Equity” with careful consideration given to the development of goals, objectives, metrics, and analyses. Department of Equity, Culture, and Climate will add teachers on special assignment and site resource teachers to assist with the Restorative Practices Initiative (Goal 2.1.g)

Annual Update

LCAP Year Reviewed: 2016-17

Complete a copy of the following table for each of the LEA's goals from the prior year LCAP. Duplicate the table as needed.

Goal 3

Goal 3:Foster and honor parent/guardian and community engagement to support excellence in each student's success.

State and/or Local Priorities Addressed by this goal:

STATE	<input type="checkbox"/>	1	<input type="checkbox"/>	2	<input checked="" type="checkbox"/>	3	<input type="checkbox"/>	4	<input type="checkbox"/>	5	<input type="checkbox"/>	6	<input type="checkbox"/>	7	<input type="checkbox"/>	8
COE	<input type="checkbox"/>	9	<input type="checkbox"/>	10												
LOCAL																

ANNUAL MEASURABLE OUTCOMES

EXPECTED

- Increase attendance at school events such as Open House, parent/teacher or parent/counselor conferences, curriculum nights, district college fair, FAFSA meetings, and Compact for Success meetings as compared to 2016 data.
- Increase positive parent/community feedback on the "Parent and Community Involvement" section (agree and strongly agree) on the Hanover Survey as compared to the baseline data administered in November 2015.
- Positive parent/community feedback on the "Schools and District Environment" section (agree and strongly agree) on-the Hanover Survey as compared to the baseline data administered in November 2015.
- The district and the school sites will plan and promote outreach activities and educational programs to address-parent needs as evidenced by an increase in participation of 5% in district and site organized outreach and-educational programs.
- Increase the number of events and opportunities where parents/community have input into site and district decision-making as compared to 2015-16 baseline data.

ACTUAL

- Increased attendance at school events such as Open House, parent/teacher or parent/counselor conferences, curriculum nights, district college fair, FAFSA meetings, and Compact for Success meetings as compared to 2016 data by approximately 16%.
- Parents/community members reported a 10% increase on the statement "I am actively involved in my school" and consistent levels of self reported attendance at school events on the "Parent and Community Involvement" section (agree and strongly agree) on the Hanover Survey as compared to the baseline data administered in January 2016.
- There was a consistent and positive improvement on questions related to communication and relationships as reported by parent/community feedback on the "Schools and District Environment" section (agree and strongly agree) on-the Hanover Survey as compared to the baseline data administered in January 2016.
 - The district and the school sites planned and promoted outreach activities and educational programs to address-parent needs as evidenced by an increase in participation of 16% in district and site organized outreach and-educational programs.
 - Increased the number of events and opportunities where parents/community have input into site and district decision-making as compared to 2015-16 baseline data through SSC, PTA, ELAC, PTSO, and Coffee with the Principal,

- Increase the number of welcoming and inviting campuses that foster learning and build a sense of community.

*Participation by parents/guardians of English Learners, low income, students with disabilities, Hispanics, and foster youth/homeless students will be encouraged and measured when possible.

etc... A highlight was our State of the District event in February with over 500 participants.

- School sites continued to enhance their campuses to be welcoming and inviting to foster learning and build a sense of community.

*Participation by parents/guardians of English Learners, low income, students with disabilities, Hispanics, and foster youth/homeless students will be encouraged and measured when possible.

ACTIONS / SERVICES

Duplicate the Actions/Services from the prior year LCAP and complete a copy of the following table for each. Duplicate the table as needed.

Action

1

Actions/Services

PLANNED

3.1 District base programs to foster parent and community engagement:

- Provide designated Parent Centers at district and site levels.
- Improve first impressions and a welcoming environment by ensuring quality customer service, a positive visual atmosphere, and bilingual support at sites to support primary language needs, district office, and community events.
- Maintain district and site websites with current and relevant information in various languages regarding staffing, calendar of events and programs offered.
- Include families and community in revisiting LCAP through a parallel process and continuous cycle of improvement.
- Ensure all governance and advisory groups are in place at the district and site levels and working to support all students' success.(DPAC, DELAC, SSC, ELAC, C&I, Title I)

ACTUAL

3.1 District base programs to foster parent and community engagement:

- 22 of 24 middle and high schools have actual rooms dedicated as Parent Centers. Two of 24 MS/HS have dedicated area in front office. All alternative sites are in process of creating space for parents.
- Each site and department received \$1,000 to address "welcoming" first impression and positive visual atmosphere. Interpreters are available to sites and district and bilingual staff are present at school and district front desks.
- District sites maintained and updated weekly. This includes increased number of department websites on new common template. Google Translate is available on sites as well.
- Families and community provided input to the LCAP through a parallel process and continuous cycle of improvement. Feedback from all sites' parent groups is gathered by State and Federal Programs Department and questions are provided to district and site governance and

f. Ensure clear and open communication through use of current programs and software to support student success.

advisory groups. Each goal was presented at least once to DPAC, DELAC, ELACs and SSCs. The 2017 State of the District event included over 650 students, parents, staff and community members.

e. Ensured all governance and advisory groups are in place at the district and site levels and working to support all students' success.(DPAC, DELAC, SSC, ELAC, C&I, Title I). State and Federal Programs maintains lists of current membership in governance and advisory groups. Meetings held 4 times a year to review compliance and strategies to increase parent involvement with site staff that works with ELACs.

f. Parent communication tools are being used at all campuses. Each site is currently using the system that best suits its parent and community needs. The district websites continues to provide up to date information, board meetings are being "tweeted". LCAP Posters are at each site and in classrooms, Peach Jar implementation at all sites. SUHSD Currents, STEAM Newsletter, Curriculum Newsletter, Our Hometown/Ella Magazines, etc.

BUDGETED

b. objects 2900, 3000 Base \$84,138

ESTIMATED ACTUAL

b. objects 2900, 3000 0000: Unrestricted Base \$94,560

Expenditures

Action

2

Actions/Services

PLANNED

3.2 Supplemental staff and services to enhance relations between district, schools, and community:

a. TOSAs/CIS/Counselors will work with parent groups to provide needed information regarding services and programs for EL, LI, FY, HY, SWD.

b. Investigate ways to build community partnerships.

c. Implement and support participation in parent trainings and institutes to support parent needs.

ACTUAL

3.2 Supplemental staff and services to enhance relations between district, schools, and community:

a. TOSAs/CIS/Counselors worked with parent groups to provide needed information regarding services and programs for EL, LI, FY, HY, SWD. Through site and district meetings, parents accessed information regarding how to best support their students.

b. Investigated ways to build community partnerships. Nine schools have created new partnerships that did not

d. Teacher Librarians will provide support to parents on Digital Citizenship and Internet Safety.

e. Increase Community Relations Facilitators at sites support student success and to enhance parent capacity.

previously exist. Magazine ads were placed in Ella and Our Town which has a wide readership in the South Bay area. Ads promoted SUHSD events and SUHSD highlights.

c. Implemented and supported participation in parent training and institutes to support parent needs. Parents attended Mini-CABE, CABE, Adelante Mujer, SDCOE parent trainings, on-site sessions such as Mano-a-Mano, and PIQUE. District level DPAC and DELAC monthly meetings provide parents with topics of interest to support their child's education.

Additionally sites engage parents through:

- Coffee with principal
- Open house
- Grade level meetings
- AVID night, Tech night,
- Open invitation to attend SSC, ELAC, progress report parent meetings
- PTSA meetings
- AP parent night
- Parent learning walks/class observations
- AVID Senior nights
- Parent 101 college readiness night
- Parents invited to SWC/SDSU field trips

d. Teacher Librarians provided support to parents on Digital Citizenship and Internet Safety at at least 12 schools.

e. Increased Community Relations Facilitators (CRF) at sites support student success and to enhance parent capacity. The State and Federal Department added a Community Relations Facilitator to provide centralized support. Currently there are CRFs at 3 sites.

BUDGETED

c. objects 2900, 3000, 4300, 4400, 5100, 5700, 5800 Supplemental and Concentration \$25,000

d. Funded in Goal 2.

ESTIMATED ACTUAL

c. objects 2900, 3000, 4300, 4400, 5100, 5700, 5800 (Also funded at the site level through 1.4 d) Supplemental and Concentration \$46,000

Expenditures

Action

3

Actions/Services

PLANNED

3.3 Opportunities for parents and community members to provide input on relevant issues that support all students' success.

- a. Annual surveys gather comments and feedback on services, programs, and parent and student needs including EL, LI, FY, HY, SWD
- b. Investigate alternative times, locations, and media (including video streaming) for community meetings to allow for maximum involvement and feedback.
- c. Investigate alternative means to solicit input from parent and community in other ways besides surveys.
- d. Site leadership will create more opportunities for parent and community input and keep them informed about district initiatives and site events.

BUDGETED

Funded in Goals 1.1, 1.2, 2.1, 3.1.

ACTUAL

3.3 Opportunities for parents and community members to provide input on relevant issues that support all students' success.

- a. Annual surveys such as the Hanover were conducted to inform the district on parent and student needs.
- b. Five of this year's Board meetings were held at different school sites (all other Board meetings were held at the District Board Room) to increase community participation. Board meetings are "tweeted" in real time. 2,990 Twitter followers, 2,262 Facebook Likes, GJH Graduations video had over 10,000 views Dozens of Teachers and sites tweeting daily #SUHSD #TeamSUHSD and #PuttingStudentsFirst.
- c. Investigate alternative means to solicit input from parent and community in other ways besides surveys.
- d. Site leadership will created more opportunities for parent and community input and keep them informed about district initiatives and site events such as:
 - Weekly newsflash
 - Email communications
 - Communication between adults responsible for students' success
 - Established solid communication with feeder schools
 - School marquee provides info regarding school events

ESTIMATED ACTUAL

Funded in Goals 1.1, 1.2, 2.1, 3.1.

Expenditures

ANALYSIS

Complete a copy of the following table for each of the LEA's goals from the prior year LCAP. Duplicate the table as needed.

Use actual annual measurable outcome data, including performance data from the LCFF Evaluation Rubrics, as applicable.

Describe the overall implementation of the actions/services to achieve the articulated goal.

District and site staff have made a commitment to increasing parent engagement and soliciting parent input. Staff was hired to focus specifically on parent engagement. The Grants and Communications Department maintains the website information up to date and facilitates the sharing of information across the district.

22 of 24 middle and high schools have actual rooms dedicated as Parent Centers. Two of 24 MS/HS have dedicated area in front office. All alternative sites are in process of creating space for parents.

Nine schools have created new partnerships that did not previously exist. Magazine ads were placed in Ella and Our Town which has a wide readership in the South Bay area. Ads promoted SUHSD events and SUHSD highlights.

Teacher Librarians provided support to parents on Digital Citizenship and Internet Safety at at least 12 schools.

Increased Community Relations Facilitators (CRF) at sites support student success and to enhance parent capacity. The State and Federal Department added a Community Relations Facilitator to provide centralized support. Currently there are CRFs at 3 sites.

Five of this year's Board meetings were held at different school sites (all other Board meetings were held at the District Board Room) to increase community participation. Board meetings are "tweeted" in real time. 2,990 Twitter followers, 2,262 Facebook Likes, GJH Graduations video had over 10,000 views Dozens of Teachers and sites tweeting daily #SUHSD #TeamSUHSD and #PuttingStudentsFirst.

Describe the overall effectiveness of the actions/services to achieve the articulated goal as measured by the LEA.

The district increase participation in district and site organized outreach and-educational programs by 16%. Increased the number of events and opportunities where parents/community have input into site and district decision-making as compared to 2015-16 baseline data through SSC, PTA, ELAC, PTSO, and Coffee with the Principal, etc... A highlight was our State of the District event in February with over 500 participants.

Parents/community members reported a 10% increase on the statement "I am actively involved in my school" and consistent levels of self reported attendance at school events on the "Parent and Community Involvement" section (agree and strongly agree) and there was a consistent and positive improvement on questions related to communication and relationships as reported by parent/community feedback on the "Schools and District Environment" section (agree and strongly agree) on the Hanover Survey as compared to the baseline data administered in January 2016.

Explain material differences between Budgeted Expenditures and Estimated Actual Expenditures.

3.1 b: Budget was under calculated.
The initiative to place ads in Ella and Our Town in September of 2016. An additional \$30K was allocated for this initiative.

Describe any changes made to this goal, expected outcomes, metrics, or actions and services to achieve this goal as a result of this analysis and analysis of the LCFF Evaluation Rubrics, as applicable. Identify where those changes can be found in the LCAP.

For 2017-18 there will be an increase of sites with Community Relations Facilitators. (Goal 3.2.b)

Increase site and department implementation of clear communication on our websites. (Goal 3.1.c)

The district will increase access to local opportunities for parent training. (Goal 3.2 a and c)

Annual Update

LCAP Year Reviewed: 2016-17

Complete a copy of the following table for each of the LEA's goals from the prior year LCAP. Duplicate the table as needed.

Goal 4

Goal 4: Develop coherent and transparent systems for operational excellence to support each student's success.

State and/or Local Priorities Addressed by this goal:

STATE	<input checked="" type="checkbox"/>	1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>	4	<input type="checkbox"/>	5	<input checked="" type="checkbox"/>	6	<input type="checkbox"/>	7	<input type="checkbox"/>	8
COE	<input type="checkbox"/>	9	<input type="checkbox"/>	10												
LOCAL																

ANNUAL MEASURABLE OUTCOMES

EXPECTED

- 100% of teachers will be appropriately credentialed and assigned before the start of the school year.
- 100% of school facilities will receive score of "good" or "better" on the annual Facilities Inspection Tool (FIT) Report.
- 95% of internal, state, and federal audit items such as Federal Program Monitoring (FPM) and Williams Visits will be compliant.
- Improve Fiscal Health as measured by the 2016 Fiscal Crisis and Management Assistance Team (FCMAT) Report.
- Increase alignment with recommendations from external business process reviews (planning and construction, maintenance)
- Increase positive feedback (agree and strongly agree) from site certificated and classified staff on district departments support and services as measured on a baseline 2015-16 survey.

ACTUAL

- As evidenced by the HR staffing report, 100% of teachers were appropriately credentialed and assigned before the start of the school year.
- As evidenced by the Facilities Inspection Tool (FIT) report, 100% of school facilities will received a score of "good" or "better".
- 100% of internal, state, and federal audit items will be addressed in a remediation plan.
- Ensured Fiscal Health as measured by positive financial certifications and alignment with Fiscal Crisis and Management Assistance Team (FCMAT) best practices.
- Enhanced business processes and systems to continually improve operational outcomes as evidenced by multiple measures, such as cost benefit analysis and ticketing analytics.
- Survey development occurred in 2016-2017 for 2017-2018 implementation to baseline.

ACTIONS / SERVICES

Duplicate the Actions/Services from the prior year LCAP and complete a copy of the following table for each. Duplicate the table as needed.

Action

1

Actions/Services

PLANNED

4.1 Systems are in place that support student engagement and success:

- a. Facilities, maintenance, and improvement planning ensure optimal safe, clean, and well- supplied facilities (physical plant, classrooms, common areas).
- b. Ensure multiple opportunities are in place for staff and public input into long-range facilities master planning.
- c. All audit, external process reviews, and compliance recommendations and best practices are identified, prioritized, budgeted for, and monitored to ensure safe and secure learning environments for each student.
- d. Ensure safe and equitable access to extracurricular opportunities by providing transportation to meet student needs.
- e. Ensure students have access to quality nutrition where food is properly prepared, appealing, well- balanced, and provided in a variety of options.
- f. Nurture, value, and build relationships between and among all employees through purposeful collaboration including improved communication, on- boarding, inboarding, mentoring, and coaching.

BUDGETED

a. objects 2200, 3000 Base \$738,504

ACTUAL

4.1 Systems are in place that support each student engagement and success:

- a. Facilities, maintenance, and improvement planning ensured optimal safe, clean, and well- supplied facilities (physical plant, classrooms, common areas).
- b. Ensured multiple opportunities for staff and public input into long-range facilities master planning. This is being monitored by the BOT Facilities subcommittee, the CBOT, the CBOC, and Planning via campus master plans.
- c. All audit, external process reviews, and compliance recommendations and best practices are identified, prioritized, budgeted, and monitored to ensure adequate resources and appropriate expenditures to ensure each students success.
- d. Ensured safe and equitable access to extracurricular opportunities by providing transportation to meet student needs.
- e. Ensured students have access to quality nutrition where food is properly prepared, appealing, well- balanced, and provided in a variety of options. Students are surveyed regarding desired food choices. Salad Bar was piloted at select schools.
- f. A new Aspiring Administrators Academy was established in 2016-17 with strong success. The new Teacher Induction program is in place to support new teachers. Throughout the district there a job-alike groups that meet regularly to discuss best practices and to receive technical support.

ESTIMATED ACTUAL

a. objects 2200, 3000 0000: Unrestricted Base \$5,451,508

Expenditures

d. objects 2200, 3000 Base \$3,880,335

d. objects 2200, 3000 0000: Unrestricted Base \$706,728

Action

2

Actions/Services

PLANNED

4.2 Improve and streamline business processes and services within and between departments to ensure all stakeholders have access to support, resources, timely customer service, and user-friendly, time-saving technology applications.

a. Facilities maintenance requests are tracked and resolved using online "Heat" request system.

b. Ensure fiscal solvency and efficiency to coordinate all district resources in a timely manner.

c. District systems and online platforms are communicated, documented, up-to-date, and accessible to all staff in order to provide quality customer service and support.

d. Organizational charts with up-to-date points of contact and areas of responsibility are provided to stakeholders in print and on the district website.

e. Digital portals are created to support stakeholders with frequently asked questions and automated tasks.

BUDGETED

Funded in 4.1 and 4.3 0000: Unrestricted

ACTUAL

4.2 Improve and streamline business processes and services within and between departments to ensure all stakeholders have access to support, resources, timely customer service, and user-friendly, time-saving technology applications.

a. Facilities maintenance requests were tracked and resolved using online "Heat" request system.

b. Fiscal solvency and efficiency coordinated all district resources. Budget analysts meet regularly with the programs they support. Positive 1st Interim certification. Maintained 3% legally required general fund reserve. Contracted with School Services of California for departmental reviews of Finance, Purchasing, Accounting, Payroll and HR. Saved \$48 mil in debt service through various district public issuances. Established a robust Finance/Audit subcommittee.

c. District systems and online platforms are communicated, documented, up-to-date, and accessible to all staff to provide quality customer service and support. PeopleSoft Payroll System Conversion took place. Infinite Campus Student Information System Implementation. Enhanced Bus Pass System was put in place. Wireless Access in all classrooms – 85% Complete.

d. Organizational charts with up-to-date points of contact and areas of responsibility were provided to stakeholders in print and on the district website.

e. Digital portals are maintained to support stakeholders with frequently asked questions and automated tasks.

ESTIMATED ACTUAL

Funded in 4.1 and 4.3 0000: Unrestricted

Expenditures

Action

3

Actions/Services

PLANNED

4.3 Systems are in place that ensure highly qualified personnel are recruited and hired in a timely manner to support student success.

a. Certificated and classified personnel are competent to cover all curricular and extracurricular activities at schools.

b. Provide ongoing professional development for classified personnel to ensure job-skills are up to date and in compliance with all federal, state, local, and LEA regulations.

c. Technology staff is capable and trained to ensure mobile, classroom, office, and library technologies support instructional programs.

d. Professional development is provided to ensure support staff are equipped to maintain technologies such as Smart Boards, LCD projectors, Document Cameras and other classroom/instructional peripherals.

e. Return, Inspire & become a Sweetwater Educator (RISE) program in conjunction with SDSU guarantees certificated employment for Compact Scholars who meet program requirements.

f. Investigate and participate in educational recruitment fairs and collaborate with local university teacher credentialing programs in order to infuse current employment pools.

BUDGETED

a. objects 2200, 2300 ,3000 Base \$34,735,117
objects 2200, 2400, 3000 Base \$6,430,373

ACTUAL

4.3 Systems are in place that ensure highly qualified personnel are recruited and hired in a timely manner to support student success.

a. Certificated and classified personnel are competent to cover all curricular and extracurricular activities at schools.

b. Provide ongoing professional development for classified personnel to ensure job-skills are up to date and in compliance with all federal, state, local, and LEA regulations.

c. Technology staff is capable and trained to ensure mobile, classroom, office, and library technologies support instructional programs.

d. Professional development was provided for staff to integrate technology in instruction. 145 IT Training Sessions in multiple areas.

e. Return, Inspire & become a Sweetwater Educator (RISE) program in conjunction with SDSU guarantees certificated employment for Compact Scholars who meet program requirements.
Three RISE Scholars in process

f. Participated in educational recruitment fairs and collaborate with local university teacher credentialing programs in order to infuse current employment pools. Human Resources has participated in 17 recruiting Fairs since April 2016, 362+ One-to-One Connections, Advisory Council members for SDSU & PLNU

ESTIMATED ACTUAL

a. objects 2200, 2300 ,3000 0000: Unrestricted Base \$1,760,320
objects 2200, 2400, 3000 0000: Unrestricted Base \$6,605,416

Expenditures

ANALYSIS

Complete a copy of the following table for each of the LEA's goals from the prior year LCAP. Duplicate the table as needed.

Use actual annual measurable outcome data, including performance data from the LCFF Evaluation Rubrics, as applicable.

Describe the overall implementation of the actions/services to achieve the articulated goal.

Planning and construction is continuing Long Range Facility Master Plan (LRFMP) process, to include prioritization. HR has provided additional staffing at each school site and maintenance. Information Technology implemented security features and network products to provide improved system availability, performance, and security on all core District network and application systems, enterprise wide. Information Technology collaborated with Education Technology, Planning and Curriculum and Instruction to identify and implement 21st century classroom standards. HR, Finance, Maintenance, Information Technology, Planning, Construction, Legal Services, and Facilities developed systems in a more cohesive way, ensuring system efficiencies are incorporated. HR has provided professional development in the areas of customer service, sexual harassment prevention training, safety, interview protocols, dealing with challenging people, FRISK, and child abuse reporting. State and Federal Programs supported best practices for mentoring and coaching to support closing opportunity and achievement gaps.

Describe the overall effectiveness of the actions/services to achieve the articulated goal as measured by the LEA.

Initiatives for Goal 4 were successfully implemented. Some issues with transferring to new platforms are being addressed. Nutrition Services increased student participation via pilots for menu improvements and timely meal delivery. HR is facilitating the E3 (Educator Effectiveness & Evaluation) Program through collaboration with SEA regarding evaluations. SUHSD induction program is building collaborative culture. HR has re-introduced classified and certificated employee orientations.

The finance department reorganized duties to provide personal contacts for school sites. Finance/Accounting – instituted site visits for improved collaboration. Finance provided site financial overview training and Principals' budget training. Accounting crafted a cross-training program to meet customer service needs. Fiscal Services revived Principal Secretaries focus group.

Union/district leadership collaboration on the four areas (employee recognition, joint orientation/training, district-wide community service project, district climate/culture survey).

All Teaching and Learning Teachers on Special Assignment are sharing information across disciplines. Best practices are highlighted to improve systems across the department. Teaching and Learning has developed Instructional Directors' bi-monthly meeting to ensure that all instructional and student related services collaborate and maintain flow of information.

The State and Federal Department launched a new systems to increase efficiency and ensure compliance Goal 4 through establishing DocTracking for site plans, implementation of a Time Accounting Log system, facilitating the LCAP input cycle, managing multiple surveys of stakeholder groups to ensure effective communication, including outreach to ELD teachers, CIS, Admin, Afterschool Coordinators, Bilingual Testers, ELAC coordinators, and Department Directors.

Explain material differences between Budgeted Expenditures and Estimated Actual Expenditures.

4.1 a: Budget amounts for 4.1a and 4.1d were transposed. Budget amount for 4.1a excluded the benefits costs for employees providing services under this action item.
4.3 b: Budget inaccurately included costs already accounted for in other action/services.

Describe any changes made to this goal, expected outcomes, metrics, or actions and services to achieve this goal as a result of this analysis and analysis of the LCFF Evaluation Rubrics, as applicable. Identify where those changes can be found in the LCAP.

The only change is to the metrics to develop a survey to measure feedback regarding district departments support and services to determine the effectiveness of 4.1 d and 4.2 c.

Stakeholder Engagement

LCAP Year

☒ 2017–18 ☐ 2018–19 ☐ 2019–20

INVOLVEMENT PROCESS FOR LCAP AND ANNUAL UPDATE

How, when, and with whom did the LEA consult as part of the planning process for this LCAP/Annual Review and Analysis?

In 2016-17, SUHSD continued an LCAP Parallel Process with the purpose to review, report, reach-out and revise. LCAP goal update presentations began in August 2016 with data gathering at both the district level as well as at sites. Each month, the school board received an update on a specific LCAP goal. These same presentations occurred at School Site Council Meetings, Faculty Advisory Committee meetings, Classified Advisory Committee meetings, Faculty/Staff meetings, District Parent Advisory Committee/District English Learner Advisory Committee meetings, as well as with student groups at various sites. These feedback meetings included certificated, classified, administrators, site principals, parents and students. Feedback was requested and then synthesized and used to inform the revision of the LCAP for 2016-2017 school year.

Board Updates:

- Beginning in August of 2016, the SUHSD school board was presented with updates of progress one goal at a time. (Goal 1--September 26, 2016 and February 27, 2017; Goal 2--August 22, 2016 and January 23, 2017; Goal 3--October 24, 2016 and March 28, 2017; Goal 4--December 12, 2014 and April 24, 2017)
- Each presentation included information and progress in meeting the expectations set in the action steps within the goal.

Site Updates include all classified and certificated staff at sites and departments:

- Administrators at sites were given 2-3 weeks following the Board updates to present the information to stakeholder groups (SSC, ELAC, FAC, Staff meetings which include certificated and classified staff) and gather input/feedback which was then reported to the office of State and Federal Programs. Feedback was gathered from four stakeholder groups at each site: a. site administrators including principals, b. students, c. parents and d. staff. After gathering the sites' feedback, the office of State and Federal programs then synthesized the information and forwarded it to the designated lead for the goal.

Community Engagement:

- DELAC/DPAC District Parent committees were presented with the same information at their meetings immediately following the board updates. They reflected on the guiding questions and provided input which was also provided to the designated lead for the corresponding goal.
- DPAC: LCAP Goals Review-October 5; Goal 1- October 5, 2016; Goal 2- September 14, 2016 and October 5, 2016; Goal- 3 November 16, 2016; Goal 4-January 18, 2017.
- DELAC: Goal 1- October 6, 2016 and February 23, 2017; Goal 2- October 6, 2016; Goal 3-NA; Goal 4- January 26, 2017.

Foster Youth: Counselor on Special Assignment for the Foster & Homeless Youth Education Services Program, attended the LCAP Stakeholder Meeting coordinated by SDCOE this year (April 2017). Foster and Homeless Youth Education Services Program continued to foster relationships with caregivers, group home providers, and community agencies/organizations through community outreach.

Student Updates:

- From August 2016 to the present, several school sites involved students in the update process through Student Senates, Student Advisory Groups, ASB, Principals Round-table, and School Site Council Meetings
- May 18, 2016 High School ASB Presidents from current year and for next school year participated in Sweetwater Student Voice activity where they were able to review the LCAP Goals and Action Steps and provide feedback.

District Level Update and Engagement:

- Each Tuesday following a board update presentation, Superintendent Dr. Janney presented the same information to district office personnel. Time was allotted to gather feedback and input on each goal.
- February 11, 2017 was Sweetwater's first State of the District address where parents, community members, teachers, administrators, board members, and students participated in an LCAP review and discussion.
- April and May 2017 SUHSD cabinet members reviewed goals, action steps, and budgeted expenditures and provided input and made revisions to inform the LCAP for 2017-18.

Bargaining Unions:

- Each SSC has representation from both classified and certificated staff. Since each LCAP goal was presented to site SSC as well as at site and department level staff meetings, union members were able to provide input throughout the school year.
- May 19, 2017 SUHSD will meet with bargaining union leadership to gather input on the 2017-18 draft.

Public Hearing

- May 22, 2017 during the SUHSD school board meeting a public hearing will be conducted.

Board Adoption

- June 26, 2017 during the SUHSD the school board meeting

IMPACT ON LCAP AND ANNUAL UPDATE

How did these consultations impact the LCAP for the upcoming year?

As a result of the numerous opportunities for all stakeholder groups to provide feedback, some necessary revisions were made to the LCAP for 2017-18 school year.

Goal 1: Teaching and Learning

*SUHSD will provide three district level professional development days where students are not in school in order to decrease the number of days that teachers are pulled out from classrooms. Goal 1.3 d.

*SUHSD has reorganized the four action steps into three in order to be more clear and concise: Base, Staffing, Support.

*SUHSD will ensure district level support of sites by continuing to provide funding for site and district level curriculum specialists. Goal 1.3 d

*SUHSD will provide tutors additional college tutors to increase student success Goal 1.3 e

*SUHSD will provide additional resources to promote greater success with math. Goal 1.3 m

Goal 2: Equity and Culture

*SUHSD will implement year 2 of the Equity Plan with continued visits to sites and Equity survey analysis.

*SUHSD will continue to provide training and professional development necessary to ensure students' social and emotional needs are being met.

*SUHSD will add staffing to support a positive transformational culture.

Goal 3: Parent Involvement

- *SUHSD will continue to make parent and community input a priority through input opportunities both district and site level parent group meetings.
- *SUHSD will provide district and site level personnel to support parent involvement (Community Relations Facilitators).
- *SUHSD will provide parents and community members opportunities to attend local training and workshops related to helping students succeed.

Goal 4: Systems for Operational Excellence

- *SUHSD will continue to gather input regarding systems of support effectiveness through surveys and site visits.
- *SUHSD will support student engagement and success by providing safe and secure learning environments.
- *SUHSD will provide clear communication through district website and other digital portals.

As a result of our new Parallel Process, revisions have been made to the LCAP. Some specific changes have been made to continue to ensure stakeholders that their comments and feedback matter.

Specifically, the budgeting expenditures for base LCFF and supplemental concentration funds will be allocated with more precision.

Goals, Actions, & Services

Strategic Planning Details and Accountability

Complete a copy of the following table for each of the LEA's goals. Duplicate the table as needed.

☐ New ☒ Modified ☐ Unchanged

Goal 1

Ensure excellence in teaching and learning so each student is prepared to succeed in college and career.

[State and/or Local Priorities Addressed by this goal:](#)

STATE ☒ 1 ☒ 2 ☐ 3 ☒ 4 ☐ 5 ☐ 6 ☒ 7 ☒ 8
COE ☐ 9 ☐ 10
LOCAL

[Identified Need](#)

Based on the review of our Dashboard data, our greatest needs regarding Goal 1 metrics are in the areas of Mathematics and suspension rate. Initiatives to address the suspension are addressed in Goals 1 and 2.

EXPECTED ANNUAL MEASURABLE OUTCOMES

Metrics/Indicators	Baseline	2017-18	2018-19	2019-20
ELA SBAC 7-8th grade	SUHSD scored 8 points below Level 3 which is a status of Low. Our performance level indicator is Yellow. Our change was an increase of 16.7 points. The gap between our lowest and highest performing student groups is 173 points.	Reach a status of Medium. This growth would lead to a performance indicator of Green. The ELA distance from Level 3 will improve by 20 points and the gap between the lowest and the highest performing student groups will decrease by 17 points.	Reach a status of High. This growth would lead to a performance indicator of Green. The ELA distance from Level 3 will improve by 18 points and the gap between the lowest and the highest performing student groups will decrease by 17 points.	Maintain a status of High. This growth would lead to a performance indicator of Green. To reach a Performance level of Green. The ELA distance from Level 3 will improve by at least 14 points and the gap between the lowest and the highest performing student groups will decrease by 17 points.
Math SBAC 7-8th grade	SUHSD scored 54 points below Level 3 which is a status of Low. Our performance level indicator is Yellow. Our change was an increase of 7.9 points. The gap between our lowest and highest performing student groups is 228 points.	Reach a status of Medium. This growth would lead to a performance indicator of Green. The Math distance from Level 3 will improve by 25 points and the gap between the lowest and the highest performing student groups will decrease by 23 points.	Reach a status of High. This growth would lead to a performance indicator of Blue. The Math distance from Level 3 will improve by 20 points and the gap between the lowest and the highest performing student groups will decrease by 23 points.	Maintain a status of High. This growth would lead to a performance indicator of Blue. The Math distance from Level 3 will improve by 15 points and the gap between the lowest and the highest performing student groups will decrease by 23 points.

Suspension Rate	SUHSD suspension rate is 5.5% and the gap between our lowest and highest performing student groups is 7.1%.	Suspension rate will decrease by 1% and the gap between the lowest and the highest performing student groups will decrease by 1 percentage points.	Suspension rate will decrease by 1% and the gap between the lowest and the highest performing student groups will decrease by 1 percentage points.	Suspension rate will decrease by 1% and the gap between the lowest and the highest performing student groups will decrease by 1 percentage points.
Graduation Rate	SUHSD graduation rate is 86% and the gap between our lowest and highest performing student groups is 31%.	Graduation rate will improve by 1.5% points and the gap between the lowest and highest performing student groups will decrease by 3 percentage points.	Graduation rate will improve by 1.5% points and the gap between the lowest and highest performing student groups will decrease by 3 percentage points.	Graduation rate will improve by 1.5% points and the gap between the lowest and highest performing student groups will decrease by 3 percentage points.
EL Progress	SUHSD English Learners academic progress indicator is Green, 77.8% which is a status of High.	The English Learner Progress Indicator will increase by 1.5 %	The English Learner Progress Indicator will increase by 1.5 %	The English Learner Progress Indicator will increase by 1.5 %
College and Career Readiness A-G	SUHSD current A-G completion rate is 51%. The A-G Completion rate for unduplicated pupils and individuals with exceptional needs: Socioeconomically disadvantaged is 47%, for English Learners is 9%; Special Education Students baseline will be set in 2017-18.	Our A-G completion rate will increase for all students by 2%, and the gap between the lowest and highest performing student groups will decrease by 4%.	Our A-G completion rate will increase for all students by 2%, and the gap between the lowest and highest performing student groups will decrease by 4% (unduplicated pupils and individuals with exceptional needs)	Our A-G completion rate will increase for all students by 2%, and the gap between the lowest and highest performing student groups will decrease by 4% (unduplicated pupils and individuals with exceptional needs)
College and Career Readiness EAP	SUHSD ELA EAP performance is 29 points above Level 3. SUHSD Math EAP performance is 56 points below Level 3.	Our ELA EAP performance will improve by 20 points. Our Math EAP performance will improve by 25 points.	Our ELA EAP performance will improve by 20 points. Our Math EAP performance will improve by 25 points.	Our ELA EAP performance will improve by 20 points. Our Math EAP performance will improve by 25 points.
Seal of Biliteracy	SUHSD had 1163 students receive the Seal of Biliteracy.	The number of students receiving the Seal of Biliteracy will increase by 5%	The number of students receiving the Seal of Biliteracy will increase by 5%	The number of students receiving the Seal of Biliteracy will increase by 5%
Materials Sufficiency/ Standards Aligned Instructional Materials	100% of students have access to standards aligned instructional materials	100% of students have access to standards aligned instructional materials	100% of students have access to standards aligned instructional materials	100% of students have access to standards aligned instructional materials
Academic Content and State Standards	100% of classrooms implement academic content and	100% of classrooms implement academic content and	100% of classrooms implement academic content and	100% of classrooms implement academic content and

	performance standards insuring access to the California Standards for all students including English Learners as evidenced by Instructional Guides and measured by observations and classroom walk-throughs.	performance standards insuring access to the California Standards for all students including English Learners as evidenced by Instructional Guides and measured by observations and classroom walk-throughs.	performance standards insuring access to the California Standards for all students including English Learners as evidenced by Instructional Guides and measured by observations and classroom walk-throughs.	performance standards insuring access to the California Standards for all students including English Learners as evidenced by Instructional Guides and measured by observations and classroom walk-throughs.
CELDT Progress	Our baseline (2015-16) for CELDT Progress is as follows: AMAO 1 = 65.8%, AMAO 2 less than 5 years is 20.7% and AMAO 2 greater than 5 years is 53%.	English Learners annual progress will increase to maintain indicator progress level green as measured by ELPAC. (baseline year)	English Learners annual progress will increase to maintain indicator progress level blue as measured by ELPAC. (baseline year)	English Learners annual progress will increase to maintain indicator progress level blue as measured by ELPAC. (baseline year)
Reclassification	Our English Learner Reclassification Rate is 21.9%	English Learner reclassification will increase by 2%.	English Learner reclassification will increase by 2%.	English Learner reclassification will increase by 2%.
AP Rates	Our Current AP Pass rate is 50%	The percentage of students passing an AP course will increase by 2%	The percentage of students passing an AP course will increase by 2%	v\The percentage of students passing an AP course will increase by 2%
CTE Enrollment or completers	Baseline will be established in 2017-18.	The percentage of students completing/enrolled in CTE will increase by 5%	The percentage of students completing/enrolled in CTE will increase by 5%	The percentage of students completing/enrolled in CTE will increase by 5%

PLANNED ACTIONS / SERVICES

Complete a copy of the following table for each of the LEA's Actions/Services. Duplicate the table, including Budgeted Expenditures, as needed.

Action **1**

For Actions/Services not included as contributing to meeting the Increased or Improved Services Requirement:

<u>Students to be Served</u>	<input checked="" type="checkbox"/> All	<input checked="" type="checkbox"/> Students with Disabilities	<input type="checkbox"/>
<u>Location(s)</u>	<input checked="" type="checkbox"/> All Schools	<input type="checkbox"/> Specific Schools:	<input type="checkbox"/> Specific Grade spans:

OR

For Actions/Services included as contributing to meeting the Increased or Improved Services Requirement:

<u>Students to be Served</u>	<input type="checkbox"/> English Learners	<input type="checkbox"/> Foster Youth	<input type="checkbox"/> Low Income
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Scope of Services

☐ LEA-wide ☐ Schoolwide **OR** ☐ Limited to Unduplicated Student Group(s)

Location(s)

☐ All Schools ☐ Specific Schools: ☐ Specific Grade spans:

ACTIONS/SERVICES**2017-18**

☐ New ☒ Modified ☐ Unchanged

1.1 District base program ensures:

- a. Highly qualified certificated (in-ratio 30:1) and classified staff provide effective initial instruction and support that leads to student engagement and mastery for each student, including English Learners (EL), Low Income (LI), Foster Youth (FY), Homeless Youth (HY) and Students With Disabilities (SWD).
- b. Professional development in California Standards aligned curriculum and district-wide initiatives with focus on effective initial instruction that leads to student engagement and mastery.
- c. Counselors (in-ratio 400:1) support each student to be on-course to graduate prepared for college and career.
- d. Progress of students toward Annual Measurable Outcomes is monitored through a balanced assessment system, including End-of-Course Exams, district provided performance tasks, and common formative assessments.
- e. Offer courses and programs that support college and career readiness (e.g. AP, CTE Completion, EAP Proficiency, etc) and increase the number of seniors receiving the seal of biliteracy.
- f. A comprehensive research-based ELD program aligned to ELA/ELD framework ensures English Learners can accelerate their progress toward reclassification.
- g. Implement the English Learner master plan to meet the programmatic needs of each English Learner.
- h. Alternative educational opportunities and programs provide differentiated learning environments that leads to

2018-19

☐ New ☐ Modified ☒ Unchanged

1.1 District base program continues to ensure:

- a. Highly qualified certificated (in-ratio 30:1) and classified staff continues to provide effective initial instruction and support that leads to student engagement and mastery for each student, including English Learners (EL), Low Income (LI), Foster Youth (FY), Homeless Youth (HY) and Students With Disabilities (SWD).
- b. Professional development continues in California Standards aligned curriculum and district-wide initiatives with focus on effective initial instruction that leads to student engagement and mastery.
- c. Counselors (in-ratio 400:1) continue to support each student to be on-course to graduate prepared for college and career.
- d. Progress of students toward Annual Measurable Outcomes is continuously monitored through a balanced assessment system, including End-of-Course Exams, district provided performance tasks, and common formative assessments.
- e. Continue to offer courses and programs that support college and career readiness (e.g. AP, CTE Completion, EAP Proficiency, etc) and increase the number of seniors receiving the seal of biliteracy.
- f. A comprehensive research-based ELD program aligned to ELA/ELD framework continues to ensure English Learners can accelerate their progress toward reclassification.

2019-20

☐ New ☐ Modified ☒ Unchanged

1.1 District base program continues to ensure:

- a. Highly qualified certificated (in-ratio 30:1) and classified staff continues to provide effective initial instruction and support that leads to student engagement and mastery for each student, including English Learners (EL), Low Income (LI), Foster Youth (FY), Homeless Youth (HY) and Students With Disabilities (SWD).
- b. Professional development continues in California Standards aligned curriculum and district-wide initiatives with focus on effective initial instruction that leads to student engagement and mastery.
- c. Counselors (in-ratio 400:1) continue to support each student to be on-course to graduate prepared for college and career.
- d. Progress of students toward Annual Measurable Outcomes is continuously monitored through a balanced assessment system, including End-of-Course Exams, district provided performance tasks, and common formative assessments.
- e. Continue to offer courses and programs that support college and career readiness (e.g. AP, CTE Completion, EAP Proficiency, etc) and increase the number of seniors receiving the seal of biliteracy.
- f. A comprehensive research-based ELD program aligned to ELA/ELD framework continues to ensure English Learners can accelerate their progress toward reclassification.

student engagement and mastery. (Palomar High(PH), Teen Parent Program, Options Secondary School(OSS), Community Day School, Independent Study, Learning Centers, East Hills Academy(EHA), Alta Vista Academy(AVA))

i. The Teacher Induction Program develops teacher proficiency in the CA Standards for the Teaching Profession and the CA Content Standards through 1:1 mentoring, quarterly workshops, and online coursework.

j. Under the direction of the District, each site has Assistant Principals that ensure site programs are monitored, evaluated and supported.

k. Classified staff supports student engagement and mastery.

g. Continue to implement the English Learner master plan to meet the programmatic needs of each English Learner.

h. Alternative educational opportunities and programs continue to provide differentiated learning environments that leads to student engagement and mastery. (Palomar High(PH), Teen Parent Program, Options Secondary School(OSS), Community Day School, Independent Study, Learning Centers, East Hills Academy(EHA), Alta Vista Academy(AVA))

i. The Teacher Induction Program continues develops teacher proficiency in the CA Standards for the Teaching Profession and the CA Content Standards through 1:1 mentoring, quarterly workshops, and online coursework.

j. Under the direction of the District, each site has Assistant Principals that continue to ensure site programs are monitored, evaluated and supported.

k. Classified staff continues to support student engagement and mastery.

g. Continue to implement the English Learner master plan to meet the programmatic needs of each English Learner.

h. Alternative educational opportunities and programs continue to provide differentiated learning environments that leads to student engagement and mastery. (Palomar High(PH), Teen Parent Program, Options Secondary School(OSS), Community Day School, Independent Study, Learning Centers, East Hills Academy(EHA), Alta Vista Academy(AVA))

i. The Teacher Induction Program continues develops teacher proficiency in the CA Standards for the Teaching Profession and the CA Content Standards through 1:1 mentoring, quarterly workshops, and online coursework.

j. Under the direction of the District, each site has Assistant Principals that continue to ensure site programs are monitored, evaluated and supported.

k. Classified staff continues to support student engagement and mastery.

BUDGETED EXPENDITURES

2017-18

Amount	\$159,841,833
Source	Base
Budget Reference	a. objects 1100, 1200,2100,3000
Amount	\$11,464,618
Source	Base
Budget Reference	c. objects 1200,3000
Amount	\$16,659,480
Source	Base
Budget Reference	h. objects 1100, 1200, 1300, 2100, 2400, 2900, 3000

2018-19

Amount	\$159,841,833
Source	Base
Budget Reference	a. objects 1100, 1200,2100,3000
Amount	\$11,464,618
Source	Base
Budget Reference	c. objects 1200,3000
Amount	\$16,659,480
Source	Base
Budget Reference	h. objects 1100, 1200, 1300, 2100, 2400, 2900, 3000

2019-20

Amount	\$159,841,833
Source	Base
Budget Reference	a. objects 1100, 1200,2100,3000
Amount	\$11,464,618
Source	Base
Budget Reference	c. objects 1200,3000
Amount	\$16,659,480
Source	Base
Budget Reference	h. objects 1100, 1200, 1300, 2100, 2400, 2900, 3000

Budget Reference	i. Grant funded until 2018	Budget Reference	i. Grant funded until 2018	Budget Reference	
Amount	\$6,844,260	Amount	\$6,844,260	Amount	\$6,844,260
Source	Base	Source	Base	Source	Base
Budget Reference	j. objects 1300,3000	Budget Reference	j. objects 1300,3000	Budget Reference	j. objects 1300,3000
Amount	\$12,086,565	Amount	\$12,086,565	Amount	\$12,086,565
Source	Base	Source	Base	Source	Base
Budget Reference	k. objects 2100, 2200, 2400, 2900, 3000	Budget Reference	k. objects 2100, 2200, 2400, 2900, 3000	Budget Reference	k. objects 2100, 2200, 2400, 2900, 3000

Action 2

For Actions/Services not included as contributing to meeting the Increased or Improved Services Requirement:

Students to be Served

☐ All ☐ Students with Disabilities ☐

Location(s)

☐ All Schools ☐ Specific Schools: ☐ Specific Grade spans:

OR

For Actions/Services included as contributing to meeting the Increased or Improved Services Requirement:

Students to be Served

☒ English Learners ☒ Foster Youth ☒ Low Income

Scope of Services

☒ LEA-wide ☐ Schoolwide **OR** ☐ Limited to Unduplicated Student Group(s)

Location(s)

☒ All Schools ☒ Specific Schools: e: District wide: bilingual testers, School Wide tutors at BVM, BVH, CVM, CVH, HTM, HTH, MOM, MVH, PH, SOH, SUH, ELM; m. School Wide additional FTEs at MVA, CPM, SOM ☒ Specific Grade spans: 1.2 g Homeless students are served as well via this goal.

ACTIONS/SERVICES

2017-18

☐ New ☒ Modified ☐ Unchanged

2018-19

☐ New ☐ Modified ☒ Unchanged

2019-20

☐ New ☐ Modified ☒ Unchanged

1.2 Supplemental staffing ensures effective initial instruction, engagement and mastery for each student.

a. Maintain lower student-teacher ratio of 28:1 to provide effective initial instruction, engagement and mastery for each student.

b. Maintain lower student-teacher ratio in ELD classes of 25:1 to ensure English can accelerate their progress toward reclassification.

c. Maintain lower student-counselor ratio of 360:1 to actively participate with intervention teams in the monitoring of EL, LI, FY, HY students and to provide additional time to meet with students and their parents regarding a 4-6year plan for each students success in college and career readiness.

d. District TOSAs, Site Curriculum and Instructional Specialists and resource teachers facilitate teacher instructional and curricular planning that addresses effective initial instruction that leads to student engagement and mastery.

e. Paraprofessionals support students individualized needs and support effective initial instruction that leads to student engagement and mastery.

f. Site intervention specialists (CIS) monitor, coordinate, and implement interventions to assist EL, LI, FY, HY students with effective initial instruction that leads to student engagement and mastery.

g. Family Community Services Program Coordinator and support staff including a Counselor on Special Assignment work with Foster Youth/Homeless Youth Site Liaisons and programs.

h. Blended Learning Specialists/Teacher librarians increase digital citizenship and support use of technology integration for all students to acquire 21st Century Skills.

i. Library/media centers extend hours and resources in order for teacher librarians to support all students before and after school, including evening hours.

j. District AVID TOSA(s) and site AVID coordinators work with site administrators, counselors, and students to

1.2 Supplemental staffing continues to ensure effective initial instruction, engagement and mastery for each student.

a. Continue to maintain lower student-teacher ratio of 28:1 to provide effective initial instruction, engagement and mastery for each student.

b. Continue to maintain lower student-teacher ratio in ELD classes of 25:1 to ensure English can accelerate their progress toward reclassification.

c. Continue to maintain lower student-counselor ratio of 360:1 to actively participate with intervention teams in the monitoring of EL, LI, FY, HY students and to provide additional time to meet with students and their parents regarding a 4-6year plan for each students success in college and career readiness.

d. District TOSAs, Site Curriculum and Instructional Specialists and resource teachers continue to facilitate teacher instructional and curricular planning that addresses effective initial instruction that leads to student engagement and mastery.

e. Paraprofessionals continue to support students individualized needs and support effective initial instruction that leads to student engagement and mastery.

f. Site intervention specialists (CIS) continue to monitor, coordinate, and implement interventions to assist EL, LI, FY, HY students with effective initial instruction that leads to student engagement and mastery.

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c. Continue to maintain lower student-counselor ratio of 360:1 to actively participate with intervention teams in the monitoring of EL, LI, FY, HY students and to provide additional time to meet with students and their parents regarding a 4-6year plan for each students success in college and career readiness.

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h. Blended Learning Specialists/Teacher librarians continue to increase digital citizenship and support use of technology integration for all students to acquire 21st Century Skills.

i. Library/media centers continue to extend hours and resources in order for teacher librarians to support all

implement the AVID program including recruiting college tutors from local colleges and universities.

k. Counselors support students in all Learning Centers, Palomar High School, and Alta Vista Academy.

l. Additional Assistant Principals at 5 Middle schools and funding provided for current Assistant Principals provide instructional leadership for all students with a focus on monitoring, evaluating, and accountability principally targeted toward EL, LI, FY and HY students.

m. Additional staffing for schools that are at "red" performance level in math and other schools as determined by need to ensure effective initial instruction that leads to student engagement and mastery.

n. District COSA facilitates college readiness planning and coordination including compact for success, college fairs and other events that foster access to college.

students before and after school, including evening hours.

j. District AVID TOSA(s) and site AVID coordinators continue to work with site administrators, counselors, and students to implement the AVID program including recruiting college tutors from local colleges and universities.

k. Counselors continue to support students in all Learning Centers, Palomar High School, and Alta Vista Academy.

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m. Additional staffing for schools that are at "red" performance level in math and other schools as determined by need will continue to ensure effective initial instruction that leads to student engagement and mastery.

n. District COSA facilitates college readiness planning and coordination including compact for success, college fairs and other events that foster access to college.

BUDGETED EXPENDITURES

2017-18

Amount	\$10,486,547
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries a. Class Size Reduction
Amount	\$4,350,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries b. ELD additional class size reduction
Amount	1,497,203

2018-19

Amount	\$10,486,547
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries a. Class Size Reduction
Amount	\$4,350,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries b. ELD additional class size reduction
Amount	1,497,203

2019-20

Amount	\$10,486,547
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries a. Class Size Reduction
Amount	\$4,350,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries b. ELD additional class size reduction
Amount	1,497,203

Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries c. Counselor caseload reduction	Budget Reference	1000-1999: Certificated Personnel Salaries c. Counselor caseload reduction	Budget Reference	1000-1999: Certificated Personnel Salaries c. Counselor caseload reduction
Amount	\$2,302,000	Amount	\$2,302,000	Amount	\$2,302,000
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries d. SEI TOSA 1/6th and SCS	Budget Reference	1000-1999: Certificated Personnel Salaries d. SEI TOSA 1/6th and SCS	Budget Reference	1000-1999: Certificated Personnel Salaries d. SEI TOSA 1/6th and SCS
Amount	1,240,000	Amount	1,240,000	Amount	1,240,000
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	2000-2999: Classified Personnel Salaries e. Bilingual Testers and College Tutors	Budget Reference	2000-2999: Classified Personnel Salaries e. Bilingual Testers and College Tutors	Budget Reference	2000-2999: Classified Personnel Salaries e. Bilingual Testers and College Tutors
Amount	\$2,985,268	Amount	\$2,985,268	Amount	\$2,985,268
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries f. CIS (Includes AVA, PAH and EHA, BLS/SCS allocation)	Budget Reference	1000-1999: Certificated Personnel Salaries f. CIS (Includes AVA, PAH and EHA, BLS/SCS allocation)	Budget Reference	1000-1999: Certificated Personnel Salaries f. CIS (Includes AVA, PAH and EHA, BLS/SCS allocation)
Amount	\$614,658	Amount	\$614,658	Amount	\$614,658
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries g. FY/HY Staff (Counselor, SPF, Mental Health Specialist)	Budget Reference	1000-1999: Certificated Personnel Salaries g. FY/HY Staff (Counselor, SPF, Mental Health Specialist)	Budget Reference	1000-1999: Certificated Personnel Salaries g. FY/HY Staff (Counselor, SPF, Mental Health Specialist)
Amount	\$1,175,248	Amount	\$1,175,248	Amount	\$1,175,248
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries h. BLS	Budget Reference	1000-1999: Certificated Personnel Salaries h. BLS	Budget Reference	1000-1999: Certificated Personnel Salaries h. BLS
Amount	\$250,000	Amount	\$250,000	Amount	\$250,000

Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	4000-4999: Books And Supplies i. Extended Library & Supplies	Budget Reference	4000-4999: Books And Supplies i. Extended Library & Supplies	Budget Reference	4000-4999: Books And Supplies i. Extended Library & Supplies
Amount	\$1,000,000	Amount	\$1,000,000	Amount	\$1,000,000
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries j. AVID	Budget Reference	1000-1999: Certificated Personnel Salaries j. AVID	Budget Reference	1000-1999: Certificated Personnel Salaries j. AVID
Amount	\$997,184	Amount	\$997,184	Amount	\$997,184
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries K. Counselors Learning Centers and AVA & PAH	Budget Reference	1000-1999: Certificated Personnel Salaries K. Counselors Learning Centers and AVA & PAH	Budget Reference	1000-1999: Certificated Personnel Salaries K. Counselors Learning Centers and AVA & PAH
Amount	\$2,774,112	Amount	\$2,774,112	Amount	\$2,774,112
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries I. Additional Assistant Principal (5 and .2 at each site)	Budget Reference	1000-1999: Certificated Personnel Salaries I. Additional Assistant Principal (5 and .2 at each site)	Budget Reference	1000-1999: Certificated Personnel Salaries I. Additional Assistant Principal (5 and .2 at each site)
Amount	\$225,000	Amount	\$225,000	Amount	\$225,000
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries m. Additional FTE's at: MVA ,CPM , SOM	Budget Reference	1000-1999: Certificated Personnel Salaries m. Additional FTE's at: MVA ,CPM , SOM	Budget Reference	1000-1999: Certificated Personnel Salaries m. Additional FTE's at: MVA ,CPM , SOM
Amount	\$125,000	Amount	\$125,000	Amount	\$125,000
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries n. COSA for College and Career	Budget Reference	1000-1999: Certificated Personnel Salaries n. COSA for College and Career	Budget Reference	1000-1999: Certificated Personnel Salaries n. COSA for College and Career

Action 3

For Actions/Services not included as contributing to meeting the Increased or Improved Services Requirement:

<u>Students to be Served</u>	<input type="checkbox"/> All	<input type="checkbox"/> Students with Disabilities	<input type="checkbox"/>
<u>Location(s)</u>	<input type="checkbox"/> All Schools	<input type="checkbox"/> Specific Schools:	<input type="checkbox"/> Specific Grade spans:

OR

For Actions/Services included as contributing to meeting the Increased or Improved Services Requirement:

<u>Students to be Served</u>	<input checked="" type="checkbox"/> English Learners	<input checked="" type="checkbox"/> Foster Youth	<input checked="" type="checkbox"/> Low Income
<u>Scope of Services</u>	<input checked="" type="checkbox"/> LEA-wide	<input type="checkbox"/> Schoolwide	OR <input type="checkbox"/> Limited to Unduplicated Student Group(s)
<u>Location(s)</u>	<input checked="" type="checkbox"/> All Schools	<input type="checkbox"/> Specific Schools:	<input type="checkbox"/> Specific Grade spans:

ACTIONS/SERVICES

2017-18

☐ New ☒ Modified ☐ Unchanged

1.3 Provide Targeted/Supplemental interventions and support for teaching and learning to unduplicated student groups(LI, EL, FY, HY, SWD):

- a. Assist students in achieving standards by purchasing supplemental instructional materials.
- b. Ensure additional academic support to students through site level integrated and extended day/week/year interventions.
- c. Ensure additional academic support to students by providing summer school opportunities.
- d. Professional development is provided in California Standards aligned curriculum and in district-wide initiatives with a focus on literacy skills, quality first instruction, mastery, social-emotional needs, and technology enhanced instruction.
- e. Provide summary data to staff on multiple measures of performance by school, paired with professional

2018-19

☐ New ☐ Modified ☒ Unchanged

1.3 Continue to provide Targeted/Supplemental interventions and support for teaching and learning to unduplicated student groups(LI, EL, FY, HY, SWD):

- a. Continue to assist students in achieving standards by purchasing supplemental instructional materials.
- b. Continue to ensure additional academic support to students through site level integrated and extended day/week/year interventions.
- c. Continue to ensure additional academic support to students by providing summer school opportunities.
- d. Professional development is continually provided in California Standards aligned curriculum and in district-wide initiatives with a focus on literacy skills, quality first instruction, mastery, social-emotional needs, and technology enhanced instruction.
- e. Continue to provide summary data to staff on multiple measures of performance by school, paired with

2019-20

☐ New ☐ Modified ☒ Unchanged

1.3 Continue to provide Targeted/Supplemental interventions and support for teaching and learning to unduplicated student groups(LI, EL, FY, HY, SWD):

- a. Continue to assist students in achieving standards by purchasing supplemental instructional materials.
- b. Continue to ensure additional academic support to students through site level integrated and extended day/week/year interventions.
- c. Continue to ensure additional academic support to students by providing summer school opportunities.
- d. Professional development is continually provided in California Standards aligned curriculum and in district-wide initiatives with a focus on literacy skills, quality first instruction, mastery, social-emotional needs, and technology enhanced instruction.
- e. Continue to provide summary data to staff on multiple measures of performance by school, paired with

development opportunities to share best practices, participate in co-learning activities, and deepen our knowledge of effective teaching and learning.

f. College and Career Readiness activities, workshops and meetings provide support for students to explore and build skills for post-secondary educational and career opportunities.

g. Office of State and Federal Programs provides district wide technical assistance, professional development support, and guidance toward meeting Title I, Title III, and LCAP goals and initiatives.

professional development opportunities to share best practices, participate in co-learning activities, and deepen our knowledge of effective teaching and learning.

f. College and Career Readiness activities, workshops and meetings continue to provide support for students to explore and build skills for post-secondary educational and career opportunities.

g. Office of State and Federal Programs continues to provide district wide technical assistance, professional development support, and guidance toward meeting Title I, Title III, and LCAP goals and initiatives.

professional development opportunities to share best practices, participate in co-learning activities, and deepen our knowledge of effective teaching and learning.

f. College and Career Readiness activities, workshops and meetings continue to provide support for students to explore and build skills for post-secondary educational and career opportunities.

g. Office of State and Federal Programs continues to provide district wide technical assistance, professional development support, and guidance toward meeting Title I, Title III, and LCAP goals and initiatives.

BUDGETED EXPENDITURES

2017-18

Amount	\$1,291,397
Source	Supplemental and Concentration
Budget Reference	4000-4999: Books And Supplies a. Supplemental Materials (Software District Wide)
Amount	\$1,000,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries b. Credit recovery and Intervention
Amount	\$1,100,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries c. Summer School
Amount	\$3,475,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries

2018-19

Amount	\$1,291,397
Source	Supplemental and Concentration
Budget Reference	4000-4999: Books And Supplies a. Supplemental Materials (Software District Wide)
Amount	\$1,000,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries b. Credit recovery and Intervention
Amount	\$1,100,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries c. Summer School
Amount	\$3,475,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries

2019-20

Amount	\$1,291,397
Source	Supplemental and Concentration
Budget Reference	4000-4999: Books And Supplies a. Supplemental Materials (Software District Wide)
Amount	\$1,000,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries b. Credit recovery and Intervention
Amount	\$1,100,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries c. Summer School
Amount	\$3,475,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries

	d. 3 days \$3M; 2 days for core per site\$400K; Teaching and Learning Division\$75K		d. 3 days \$3M; 2 days for core per site\$400K; Teaching and Learning Division\$75K		d. 3 days \$3M; 2 days for core per site\$400K; Teaching and Learning Division\$75K
Amount	\$50,000	Amount	\$50,000	Amount	\$50,000
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	5800: Professional/Consulting Services And Operating Expenditures e. CORE Collaborative	Budget Reference	5800: Professional/Consulting Services And Operating Expenditures e. CORE Collaborative	Budget Reference	5800: Professional/Consulting Services And Operating Expenditures e. CORE Collaborative
Amount	\$65,000	Amount	\$65,000	Amount	\$65,000
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries f. College and Career Readiness	Budget Reference	1000-1999: Certificated Personnel Salaries f. College and Career Readiness	Budget Reference	1000-1999: Certificated Personnel Salaries f. College and Career Readiness
Amount	\$1,070,233	Amount	\$1,070,233	Amount	\$1,070,233
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries g. Staff	Budget Reference	1000-1999: Certificated Personnel Salaries g. Staff	Budget Reference	1000-1999: Certificated Personnel Salaries g. Staff

Goals, Actions, & Services

Strategic Planning Details and Accountability

Complete a copy of the following table for each of the LEA's goals. Duplicate the table as needed.

☐ New ☒ Modified ☐ Unchanged

Goal 2

Create a safe and healthy learning environment for each student by building a culture of equity and a positive climate that promotes excellence throughout the district.

[State and/or Local Priorities Addressed by this goal:](#)

STATE ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☒ 5 ☒ 6 ☐ 7 ☐ 8
 COE ☐ 9 ☐ 10
 LOCAL

[Identified Need](#)

Increase school contentedness, climate and culture through restorative practices.

EXPECTED ANNUAL MEASURABLE OUTCOMES

Metrics/Indicators	Baseline	2017-18	2018-19	2019-20
Attendance Rate	SUHSD Attendance data 96.71%.	District-wide attendance rate will increase by .5%. Data will be disaggregated to analyze equity gaps.	District-wide attendance rate will increase by .5%. Data will be disaggregated to analyze equity gaps.	District-wide attendance rate will increase by .5%. Data will be disaggregated to analyze equity gaps.
Chronic Absenteeism	Data will be provided in a Fall 2017 update.	Chronic absenteeism will decrease by 1%. Data will be disaggregated to analyze equity gaps.	Chronic absenteeism will decrease by 1%. Data will be disaggregated to analyze equity gaps.	Chronic absenteeism will decrease by 1%. Data will be disaggregated to analyze equity gaps.
Suspension & Expulsion Rate	SUHSD 2015-16 Suspension rate was 5.5% scoring in the Yellow Performance level. Baseline: There were 33 Expulsions in 2016-17.	Decrease suspension rate by 1% and decrease the total number of expulsions by 20%. Data will be disaggregated to analyze equity gaps.	Decrease suspension rate by 1% and decrease the total number of expulsions by 20%. Data will be disaggregated to analyze equity gaps.	Decrease suspension rate by 1% and decrease the total number of expulsions by 20%. Data will be disaggregated to analyze equity gaps.
Dropout Rate	SUHSD Drop out rate for 2015-16 was 6.3%	Decrease both the middle and the high school dropout rate by 1%. Data will be disaggregated to analyze equity gaps.	Decrease both the middle and the high school dropout rate by 1%. Data will be disaggregated to analyze equity gaps.	Decrease both the middle and the high school dropout rate by 1%. Data will be disaggregated to analyze equity gaps.
Graduation Rate	SUHSD 2015-16 Graduation rate was 86.5% scoring in the	Increase high school graduation rate by 2%. Data will be	Increase high school graduation rate by 2%. Data will	Increase high school graduation rate by 2%. Data will

	Green Performance level an increase of 1.3% from 2014-15.	disaggregated to analyze equity gaps.	be disaggregated to analyze equity gaps.	be disaggregated to analyze equity gaps.
Climate/Culture	Data will be provided in a Fall 2017 update.	Each student will feel safe and connected at school as measured by an increase of 5% of those reporting to feel "Happy and Safe at School" on local climate measures including surveys such as the California Health Kids Survey (CHKS)**measured every other year.	Each student will feel safe and connected at school as measured by an increase of 5% of those reporting to feel "Happy and Safe at School" on local climate measures including surveys such as the California Health Kids Survey (CHKS)**measured in 2018-19	Each student will feel safe and connected at school as measured by an increase of 5% of those reporting to feel "Happy and Safe at School" on local climate measures including surveys such as the California Health Kids Survey (CHKS)**measured in 2018-19

PLANNED ACTIONS / SERVICES

Complete a copy of the following table for each of the LEA's Actions/Services. Duplicate the table, including Budgeted Expenditures, as needed.

Action 1

For Actions/Services not included as contributing to meeting the Increased or Improved Services Requirement:

<u>Students to be Served</u>	<input checked="" type="checkbox"/> All	<input checked="" type="checkbox"/> Students with Disabilities	<input type="checkbox"/>
<u>Location(s)</u>	<input checked="" type="checkbox"/> All Schools	<input type="checkbox"/> Specific Schools:	<input type="checkbox"/> Specific Grade spans:

OR

For Actions/Services included as contributing to meeting the Increased or Improved Services Requirement:

<u>Students to be Served</u>	<input type="checkbox"/> English Learners	<input type="checkbox"/> Foster Youth	<input type="checkbox"/> Low Income
<u>Scope of Services</u>	<input type="checkbox"/> LEA-wide	<input type="checkbox"/> Schoolwide	OR <input type="checkbox"/> Limited to Unduplicated Student Group(s)
<u>Location(s)</u>	<input type="checkbox"/> All Schools	<input type="checkbox"/> Specific Schools:	<input type="checkbox"/> Specific Grade spans:

ACTIONS/SERVICES

2017-18

☐ New ☐ Modified ☒ Unchanged

2018-19

☐ New ☐ Modified ☒ Unchanged

2019-20

☐ New ☐ Modified ☒ Unchanged

2.1 District base program ensures a safe and healthy learning environment for all students:

- a. Maintain clean and safe school campuses by providing appropriate staffing (custodians, gardeners).
- b. Support a safe and secure campus by providing appropriate security staffing including assistant principals, campus assistants, and School Resource Officers and necessary technology.
- c. Ensure that all students have access to trained staff to support their social, emotional and health needs, including LI, EL, FY, HY, SWD.
- d. Create opportunities for students to increase connectedness to school through exploration, participation in school clubs, groups, organizations, etc. to build climate/culture.
- e. Provide administrative training and professional development to reduce suspension/expulsion rates and increase attendance and graduation rates.
- f. Maintain district and site websites and phone call system to publicize community events to increase student and parent involvement as stakeholders (i.e. VAPA, Open House, Sports events, AVID night, College Fair, etc)

2.1 District base program continues to ensure a safe and healthy learning environment for all students:

- a. Continue to maintain clean and safe school campuses by providing appropriate staffing (custodians, gardeners).
- b. Continue to support a safe and secure campus by providing appropriate security staffing including assistant principals, campus assistants, and School Resource Officers and necessary technology.
- c. Continue to ensure that all students have access to trained staff to support their social, emotional and health needs, including LI, EL, FY, HY, SWD.
- d. Continue to create opportunities for students to increase connectedness to school through exploration, participation in school clubs, groups, organizations, etc. to build climate/culture.
- e. Continue to provide administrative training and professional development to reduce suspension/expulsion rates and increase attendance and graduation rates.
- f. Continue to maintain district and site websites and phone call system to publicize community events to increase student and parent involvement as stakeholders (i.e. VAPA, Open House, Sports events, AVID night, College Fair, etc)

2.1 District base program continues to ensure a safe and healthy learning environment for all students:

- a. Continue to maintain clean and safe school campuses by providing appropriate staffing (custodians, gardeners).
- b. Continue to support a safe and secure campus by providing appropriate security staffing including assistant principals, campus assistants, and School Resource Officers and necessary technology.
- c. Continue to ensure that all students have access to trained staff to support their social, emotional and health needs, including LI, EL, FY, HY, SWD.
- d. Continue to create opportunities for students to increase connectedness to school through exploration, participation in school clubs, groups, organizations, etc. to build climate/culture.
- e. Continue to provide administrative training and professional development to reduce suspension/expulsion rates and increase attendance and graduation rates.
- f. Continue to maintain district and site websites and phone call system to publicize community events to increase student and parent involvement as stakeholders (i.e. VAPA, Open House, Sports events, AVID night, College Fair, etc)

BUDGETED EXPENDITURES

2017-18

Amount	\$15,126,043
Source	Base
Budget Reference	a. objects 2200, 2900, 3000
Amount	\$3,596,631
Source	Base
Budget Reference	b. objects 2900, 3000

2018-19

Amount	\$15,126,043
Source	Base
Budget Reference	objects 2200, 2900, 3000
Amount	\$3,596,631
Source	Base
Budget Reference	objects 2900, 3000

2019-20

Amount	\$15,126,043
Source	Base
Budget Reference	objects 2200, 2900, 3000
Amount	\$3,596,631
Source	Base
Budget Reference	objects 2900, 3000

Amount	\$4,625,053	Amount	\$4,625,053	Amount	\$4,625,053
Source	Base	Source	Base	Source	Base
Budget Reference	c. Object 1200, 3000	Budget Reference	Object 1200, 3000	Budget Reference	Object 1200, 3000

Action 2

For Actions/Services not included as contributing to meeting the Increased or Improved Services Requirement:

Students to be Served	<input type="checkbox"/> All	<input type="checkbox"/> Students with Disabilities	<input type="checkbox"/>
Location(s)	<input type="checkbox"/> All Schools	<input type="checkbox"/> Specific Schools:	<input type="checkbox"/> Specific Grade spans:

OR

For Actions/Services included as contributing to meeting the Increased or Improved Services Requirement:

Students to be Served	<input checked="" type="checkbox"/> English Learners	<input checked="" type="checkbox"/> Foster Youth	<input checked="" type="checkbox"/> Low Income
Scope of Services	<input checked="" type="checkbox"/> LEA-wide	<input type="checkbox"/> Schoolwide	OR <input type="checkbox"/> Limited to Unduplicated Student Group(s)
Location(s)	<input checked="" type="checkbox"/> All Schools	<input checked="" type="checkbox"/> Specific Schools: <u>b. At schools with ASP programs and at ELM, OSS. g. Resource teachers at CVH, CVM, SOM, SOH</u>	<input checked="" type="checkbox"/> Specific Grade spans: <u>Homeless students are served as well via this goal.</u>

[ACTIONS/SERVICES](#)

2017-18

☐ New ☒ Modified ☐ Unchanged

2.2 Supplemental staff and services ensure a safe and healthy learning environment for all students:

a. TOSAs coordinate and provide staff development for after school programs to support all students, including EL, LI, FY, HY.

2018-19

☐ New ☐ Modified ☒ Unchanged

2.2 Supplemental staff and services continue to ensure a safe and healthy learning environment for all students:

a. TOSAs continue to coordinate and provide staff development for after school programs to support all students, including EL, LI, FY, HY.

2019-20

☐ New ☐ Modified ☒ Unchanged

2.2 Supplemental staff and services continue to ensure a safe and healthy learning environment for all students:

a. TOSAs continue to coordinate and provide staff development for after school programs to support all students, including EL, LI, FY, HY.

b. Designated staff organize extended day and extended year activities and transportation that foster student engagement and support including EL, LI, FY, HY.

c. Provide custodial staff to support after school programs and activities.

d. Mental Health Staff provides social and emotional support to all students with a focus on EI, FY, HY, LI

e. Administrators, teachers, counselors, and classified staff receive professional growth opportunities in the appropriate skills in order to provide an optimal learning environment for students and staff. (Trauma Informed Care Series and other trainings) (Funded in 2.3 c)

f. District nurses and psychologists provide physical and mental health, support social-emotional wellbeing of all students, and provide a targeted focus for EL, LI, FY and HY students.

g. TOSAs and Site resource teachers to support equity plan, health and wellness.

b. Designated staff continues to organize extracurricular activities and transportation that foster student engagement and support including EL, LI, FY, HY.

c. Continue to provide custodial staff to support after school programs and activities.

d. Mental Health Staff continues to provide social and emotional support to all students with a focus on EI, FY, HY, LI

e. Administrators, teachers, counselors, and classified staff continue to receive professional growth opportunities in the appropriate skills in order to provide an optimal learning environment for students and staff. (Trauma Informed Care Series and other trainings)

f. District nurses and psychologists continue to provide physical and mental health, support social-emotional wellbeing of all students, and provide a targeted focus for EL, LI, FY and HY students.

g. TOSAs and Site resource teachers continue to support equity plan, health and wellness.

b. Designated staff continues to organize extracurricular activities and transportation that foster student engagement and support including EL, LI, FY, HY.

c. Continue to provide custodial staff to support after school programs and activities.

d. Mental Health Staff continues to provide social and emotional support to all students with a focus on EI, FY, HY, LI

e. Administrators, teachers, counselors, and classified staff continue to receive professional growth opportunities in the appropriate skills in order to provide an optimal learning environment for students and staff. (Trauma Informed Care Series and other trainings)

f. District nurses and psychologists continue to provide physical and mental health, support social-emotional wellbeing of all students, and provide a targeted focus for EL, LI, FY and HY students.

g. TOSAs and Site resource teachers continue to support equity plan, health and wellness.

BUDGETED EXPENDITURES

2017-18

Amount	\$839,862
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries a. BASP Coordinators
Amount	\$65,000
Source	Supplemental and Concentration
Budget Reference	5000-5999: Services And Other Operating Expenditures b. ASP transportation \$15K; Bridge programs and additional after school programs at designated sites \$50K
Amount	\$25,000

2018-19

Amount	\$839,862
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries a. BASP Coordinators
Amount	\$65,000
Source	Supplemental and Concentration
Budget Reference	5000-5999: Services And Other Operating Expenditures b. ASP transportation \$15K; Bridge programs and additional after school programs at designated sites \$50K
Amount	\$25,000

2019-20

Amount	\$839,862
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries a. BASP Coordinators
Amount	\$65,000
Source	Supplemental and Concentration
Budget Reference	5000-5999: Services And Other Operating Expenditures b. ASP transportation \$15K; Bridge programs and additional after school programs at designated sites \$50K
Amount	\$25,000

Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	2000-2999: Classified Personnel Salaries c. Custodial Extra Duty	Budget Reference	2000-2999: Classified Personnel Salaries c. Custodial Extra Duty	Budget Reference	2000-2999: Classified Personnel Salaries c. Custodial Extra Duty
Amount	\$325,000	Amount	\$325,000	Amount	\$325,000
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	5800: Professional/Consulting Services And Operating Expenditures d. Contracts with Medical Collaborative (and PAH Mindfulness)	Budget Reference	5800: Professional/Consulting Services And Operating Expenditures d. Contracts with Medical Collaborative (and PAH Mindfulness)	Budget Reference	5800: Professional/Consulting Services And Operating Expenditures d. Contracts with Medical Collaborative (and PAH Mindfulness)
Amount	\$1,420,944	Amount	\$1,420,944	Amount	\$1,420,944
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries f. Nurses and Psychologists .2	Budget Reference	1000-1999: Certificated Personnel Salaries f. Nurses and Psychologists .2	Budget Reference	1000-1999: Certificated Personnel Salaries f. Nurses and Psychologists .2
Amount	\$475,000	Amount	\$475,000	Amount	\$475,000
Source	Supplemental and Concentration	Source	Supplemental and Concentration	Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries g. Restorative TOSAs and Resource teachers, PE and Health TOSAs.	Budget Reference	1000-1999: Certificated Personnel Salaries g. Restorative TOSAs and Resource teachers, PE and Health TOSAs.	Budget Reference	1000-1999: Certificated Personnel Salaries g. Restorative TOSAs and Resource teachers, PE and Health TOSAs.

Action 3

For Actions/Services not included as contributing to meeting the Increased or Improved Services Requirement:

[Students to be Served](#)

☐ All ☐ Students with Disabilities ☐ Homeless

[Location\(s\)](#)

☐ All Schools ☐ Specific Schools: ☐ Specific Grade spans:

OR

For Actions/Services included as contributing to meeting the Increased or Improved Services Requirement:

[Students to be Served](#)

☒ English Learners ☒ Foster Youth ☒ Low Income

Scope of Services
☒ LEA-wide ☐ Schoolwide **OR** ☐ Limited to Unduplicated Student Group(s)
Location(s)
☒ All Schools ☐ Specific Schools: ☐ Specific Grade spans:
ACTIONS/SERVICES**2017-18**
☐ New ☒ Modified ☐ Unchanged

2.3 Systematic support services for all students to build a culture of equity:

a. Implement a district wide plan for alternative behavior management systems such as Restorative Practices. (Funded in 2.3 c)

b. Continue to provide training for site personnel to appropriately respond to students in crisis, social emotional needs, conflict resolution referrals, victims of bullying, social media, etc. (Funded in 2.3 c)

c. Office of Equity, Culture, and Student Services implements year 2 of the Equity Plan and facilitates ongoing Equity surveys and site visits.

d. Teacher librarians continue to provide safe and engaging physical spaces for students that support diversity and a sense of belonging, facilitate activities that support technology and literacy, and provide safe "virtual spaces" through grade-appropriate online resources. (Funded in Goal 1)

2018-19
☐ New ☐ Modified ☒ Unchanged

2.3 Systematic support services for all students continues to build a culture of equity:

a. Refine the district wide plan for alternative behavior management systems such as Restorative Practices.

b. Continue to provide training for site personnel to appropriately respond to students in crisis, social emotional needs, conflict resolution referrals, victims of bullying, social media, etc.

c. Office of Equity, Culture, and Student Services implements year 3 of the Equity Plan and facilitates ongoing Equity surveys and site visits.

d. Teacher librarians continue to provide safe and engaging physical spaces for students that support diversity and a sense of belonging, facilitate activities that support technology and literacy, and provide safe "virtual spaces" through grade-appropriate online resources.

2019-20
☐ New ☐ Modified ☒ Unchanged

2.3 Systematic support services for all students continues to build a culture of equity:

a. Refine the district wide plan for alternative behavior management systems such as Restorative Practices.

b. Continue to provide training for site personnel to appropriately respond to students in crisis, social emotional needs, conflict resolution referrals, victims of bullying, social media, etc.

c. Office of Equity, Culture, and Student Services implements year 4 of the Equity Plan and facilitates ongoing Equity surveys and site visits.

d. Teacher librarians continue to provide safe and engaging physical spaces for students that support diversity and a sense of belonging, facilitate activities that support technology and literacy, and provide safe "virtual spaces" through grade-appropriate online resources.

BUDGETED EXPENDITURES**2017-18**

Amount	\$177,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries c. Equity Plan Implementation

2018-19

Amount	\$177,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries c. Equity Plan Implementation

2019-20

Amount	\$177,000
Source	Supplemental and Concentration
Budget Reference	1000-1999: Certificated Personnel Salaries c. Equity Plan Implementation

Goals, Actions, & Services

Strategic Planning Details and Accountability

Complete a copy of the following table for each of the LEA's goals. Duplicate the table as needed.

☐ New ☒ Modified ☐ Unchanged

Goal 3

Foster and honor parent/guardian and community engagement to support excellence in each student's success.

[State and/or Local Priorities Addressed by this goal:](#)

STATE ☐ 1 ☐ 2 ☒ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8
 COE ☐ 9 ☐ 10
 LOCAL

[Identified Need](#)

Through site and district level feedback/input opportunities, parents have indicated the following needs: offer trainings on how to empower parents, use social media as outreach, invite college students and other college personnel to present at parent meetings, provide alternative times/locations for parents to be able to attend events/meetings, increase number of parent volunteers, keep communication open between site/district/parent.

To reach the metrics in Goals 1 and 2, improved services and information for parents and the community are needed to ensure our students are college and career ready.

EXPECTED ANNUAL MEASURABLE OUTCOMES

Metrics/Indicators	Baseline	2017-18	2018-19	2019-20
Meeting Sign Ins	SUHSD 2015-16 had 6566 parents attend site activities, an increase of 19.62% of parents attending site events in 2014-15.	The district and the school sites will plan and promote outreach activities and educational programs to address parent needs as evidenced by an increase in participation of 5% in district and site organized outreach and educational programs such as: Open House, parent/teacher or parent/counselor conferences, curriculum nights, district college fair, FAFSA meetings, and Compact for Success meetings	The district and the school sites will plan and promote outreach activities and educational programs to address parent needs as evidenced by an increase in participation of 5% in district and site organized outreach and educational programs such as: Open House, parent/teacher or parent/counselor conferences, curriculum nights, district college fair, FAFSA meetings, and Compact for Success meetings	The district and the school sites will plan and promote outreach activities and educational programs to address parent needs as evidenced by an increase in participation of 5% in district and site organized outreach and educational programs such as: Open House, parent/teacher or parent/counselor conferences, curriculum nights, district college fair, FAFSA meetings, and Compact for Success meetings

		as compared to 2015-16 baseline data. Data will be analyzed at both the LEA and school site level.	as compared to 2016 baseline data. Data will be analyzed at both the LEA and school site level.	as compared to 2016 baseline data. Data will be analyzed at both the LEA and school site level.
Hanover Survey Results	Hanover data regarding involvement: 2015-16: 41% 2016-2017: 52%	Increase positive parent/community feedback on the Parent and Community Involvement section (agree and strongly agree) on the Hanover Survey as compared to the baseline data administered in 2016-17 by 5%. Data will be analyzed at both the LEA and school site level.	Increase positive parent/community feedback on the Parent and Community Involvement section (agree and strongly agree) on the Hanover Survey as compared to the baseline data administered in 2016-17 by 5%. Data will be analyzed at both the LEA and school site level.	Increase positive parent/community feedback on the Parent and Community Involvement section (agree and strongly agree) on the Hanover Survey as compared to the baseline data administered in 2016-17 by 5%. Data will be analyzed at both the LEA and school site level.
Event data	Baseline will be established in 2017-18	Increase the number of events and opportunities where parents/community have input into site and district decision making as compared to 2016-17 baseline data. Data will be analyzed at both the LEA and school site level.	Increase the number of events and opportunities where parents/community have input into site and district decision making as compared to 2016-17 baseline data. Data will be analyzed at both the LEA and school site level.	Increase the number of events and opportunities where parents/community have input into site and district decision making as compared to 2016-17 baseline data. Data will be analyzed at both the LEA and school site level.
Walk Through Observations	Baseline will be established in 2017-18	Increase the perception of welcoming and inviting campuses that foster learning and build a sense of community. 17-18 will be a baseline year.	Increase the perception of welcoming and inviting campuses that foster learning and build a sense of community. Build from the 17-18 baseline data.	Increase the perception of welcoming and inviting campuses that foster learning and build a sense of community. Build from the 17-18 baseline data.
Promote Parent Participation	The district will promote parent participation for all students including parents with exceptional needs by using multiple means of communication.	The district will promote parent participation for all students including parents with exceptional needs by using multiple means of communication.	The district will promote parent participation for all students including parents with exceptional needs by using multiple means of communication.	The district will promote parent participation for all students including parents with exceptional needs by using multiple means of communication.

PLANNED ACTIONS / SERVICES

Complete a copy of the following table for each of the LEA's Actions/Services. Duplicate the table, including Budgeted Expenditures, as needed.

Action **1**

For Actions/Services not included as contributing to meeting the Increased or Improved Services Requirement:

Students to be Served



All



Students with Disabilities



<u>Location(s)</u>	<input checked="" type="checkbox"/> All Schools <input type="checkbox"/> Specific Schools: _____ <input type="checkbox"/> Specific Grade spans: _____		
OR			
For Actions/Services included as contributing to meeting the Increased or Improved Services Requirement:			
<u>Students to be Served</u>	<input type="checkbox"/> English Learners <input type="checkbox"/> Foster Youth <input type="checkbox"/> Low Income		
	<u>Scope of Services</u>		
	<input type="checkbox"/> LEA-wide <input type="checkbox"/> Schoolwide OR <input type="checkbox"/> Limited to Unduplicated Student Group(s)		
<u>Location(s)</u>	<input type="checkbox"/> All Schools <input type="checkbox"/> Specific Schools: _____ <input type="checkbox"/> Specific Grade spans: _____		

ACTIONS/SERVICES

2017-18

☐ New
☒ Modified
☐ Unchanged

3.1 District base programs foster parent and community engagement:

- a. Maintain and improve designated Parent Centers at district and assist sites that do not have one.
- b. Improve first impressions and a welcoming environment by ensuring quality customer service, a positive visual atmosphere, and bilingual support at sites to support primary language needs, district office, and community events.
- c. Update and maintain district and site websites with current and relevant information in various languages regarding staffing, calendar of events and programs offered.
- d. Include families and community in revisiting LCAP through a parallel process and continuous cycle of improvement. Summaries of input are provided to the Board on monthly basis.
- e. Ensure all governance and advisory groups are in place at the district and site levels and working to support

2018-19

☐ New
☐ Modified
☒ Unchanged

3.1 District base programs continue to foster parent and community engagement:

- a. Maintain and improve designated Parent Centers at district and assist sites that do not have one.
- b. Continue to improve first impressions and a welcoming environment by ensuring quality customer service, a positive visual atmosphere, and bilingual support at sites to support primary language needs, district office, and community events.
- c. Continue to update and maintain district and site websites with current and relevant information in various languages regarding staffing, calendar of events and programs offered.
- d. Continue to include families and community in revisiting LCAP through a parallel process and continuous cycle of improvement. Summaries of input are provided to the Board on monthly basis.
- e. Continue to ensure all governance and advisory groups are in place at the district and site levels and

2019-20

☐ New
☐ Modified
☒ Unchanged

3.1 District base programs continue to foster parent and community engagement:

- a. Maintain and improve designated Parent Centers at district and assist sites that do not have one.
- b. Continue to improve first impressions and a welcoming environment by ensuring quality customer service, a positive visual atmosphere, and bilingual support at sites to support primary language needs, district office, and community events.
- c. Continue to update and maintain district and site websites with current and relevant information in various languages regarding staffing, calendar of events and programs offered.
- d. Continue to include families and community in revisiting LCAP through a parallel process and continuous cycle of improvement. Summaries of input are provided to the Board on monthly basis.
- e. Continue to ensure all governance and advisory groups are in place at the district and site levels and

all students' success.(DPAC, DELAC, SSC, ELAC, C&I, Title I)

f. Provide clear and open communication through use of current programs and software to support student success.

working to support all students' success.(DPAC, DELAC, SSC, ELAC, C&I, Title I)

f. Continue to provide clear and open communication through use of current programs and software to support student success.

working to support all students' success.(DPAC, DELAC, SSC, ELAC, C&I, Title I)

f. Continue to provide clear and open communication through use of current programs and software to support student success.

BUDGETED EXPENDITURES

2017-18

Budget Reference	Funded in 1.1 and 2,2
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2018-19

Budget Reference	Funded in 1.1 and 2,2
------------------	-----------------------

2019-20

Budget Reference	Funded in 1.1 and 2,2
------------------	-----------------------

Action **2**

For Actions/Services not included as contributing to meeting the Increased or Improved Services Requirement:

<u>Students to be Served</u>	<input type="checkbox"/> All	<input type="checkbox"/> Students with Disabilities	<input type="checkbox"/> <u>Homeless</u>
<u>Location(s)</u>	<input type="checkbox"/> All Schools	<input type="checkbox"/> Specific Schools:	<input type="checkbox"/> Specific Grade spans:

OR

For Actions/Services included as contributing to meeting the Increased or Improved Services Requirement:

<u>Students to be Served</u>	<input checked="" type="checkbox"/> English Learners	<input checked="" type="checkbox"/> Foster Youth	<input checked="" type="checkbox"/> Low Income
<u>Scope of Services</u>	<input checked="" type="checkbox"/> LEA-wide	<input type="checkbox"/> Schoolwide	OR <input type="checkbox"/> Limited to Unduplicated Student Group(s)
<u>Location(s)</u>	<input checked="" type="checkbox"/> All Schools	<input checked="" type="checkbox"/> Specific Schools: b. at CPH, HTH, MVH, ORH, SYH, SOH, SUHI, BVM, CVM, MOM, NCM, CVH, MVA, OSS, RDR, BVH	<input type="checkbox"/> Specific Grade spans:

ACTIONS/SERVICES

2017-18

<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modified	<input type="checkbox"/> Unchanged
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2018-19

<input type="checkbox"/> New	<input type="checkbox"/> Modified	<input checked="" type="checkbox"/> Unchanged
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2019-20

<input type="checkbox"/> New	<input type="checkbox"/> Modified	<input checked="" type="checkbox"/> Unchanged
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3.2 Supplemental staff and services support parent and community involvement:

- a. TOSAs/CIS/Counselors will continue to work with parent groups to provide needed information regarding services and programs for EL, LI, FY, HY, SWD. (Funded in Goal 1)
- b. Community Relations Facilitators at designated sites continue to support student success and to enhance parent capacity for EL, LI, FY, HY, SWD.
- c. Continue to implement and support parent participation in training and institutes to support parent needs for EL, LI, FY, HY, SWD.

3.2 Supplemental staff and services support parent and community involvement:

- a. TOSAs/CIS/Counselors will continue to work with parent groups to provide needed information regarding services and programs for EL, LI, FY, HY, SWD. (Funded in Goal 1)
- b. Community Relations Facilitators at sites continue to support student success and to enhance parent capacity for EL, LI, FY, HY, SWD.
- c. Continue to implement and support parent participation in training and institutes to support parent needs for EL, LI, FY, HY, SWD.

3.2 Supplemental staff and services support parent and community involvement:

- a. TOSAs/CIS/Counselors will continue to work with parent groups to provide needed information regarding services and programs for EL, LI, FY, HY, SWD. (Funded in Goal 1)
- b. Community Relations Facilitators at sites continue to support student success and to enhance parent capacity for EL, LI, FY, HY, SWD.
- c. Continue to implement and support parent participation in training and institutes to support parent needs for EL, LI, FY, HY, SWD.

BUDGETED EXPENDITURES

2017-18

Amount	\$320,000
Source	Supplemental and Concentration
Budget Reference	2000-2999: Classified Personnel Salaries b. CRFs at selected sites
Amount	\$25,000
Source	Supplemental and Concentration
Budget Reference	5000-5999: Services And Other Operating Expenditures c. District wide parent events

2018-19

Amount	\$320,000
Source	Supplemental and Concentration
Budget Reference	2000-2999: Classified Personnel Salaries b. CRFs at selected sites
Amount	\$25,000
Source	Supplemental and Concentration
Budget Reference	5000-5999: Services And Other Operating Expenditures c. District wide parent events

2019-20

Amount	\$320,000
Source	Supplemental and Concentration
Budget Reference	2000-2999: Classified Personnel Salaries b. CRFs at selected sites
Amount	\$25,000
Source	Supplemental and Concentration
Budget Reference	5000-5999: Services And Other Operating Expenditures c. District wide parent events

Action **3**

For Actions/Services not included as contributing to meeting the Increased or Improved Services Requirement:

Students to be Served

☐ All ☐ Students with Disabilities ☐

Location(s)

☐ All Schools ☐ Specific Schools: ☐ Specific Grade spans:

OR

For Actions/Services included as contributing to meeting the Increased or Improved Services Requirement:

Students to be Served

☒ English Learners ☒ Foster Youth ☒ Low Income

Scope of Services

☒ LEA-wide ☐ Schoolwide **OR** ☐ Limited to Unduplicated Student Group(s)

Location(s)

☒ All Schools ☐ Specific Schools: ☐ Specific Grade spans:

ACTIONS/SERVICES

2017-18

☐ New ☒ Modified ☐ Unchanged

3.3 Opportunities for parents and community members to provide input on relevant issues that support all students' success.

a. Continue annual surveys to gather comments and feedback on services, programs, and parent and student needs including EL, LI, FY, HY, SWD (Funded in Goal 1, Goal 2 and 3.2)

b. Implementation of alternative times, locations, and media (including video streaming) for community meetings to allow for maximum involvement and feedback in addition to surveys. (Funded in Goal 1, Goal 2 and 3.2)

c. Site leadership will increase opportunities for parent and community input and awareness about district initiatives and site events. (Funded in Goal 1, Goal 2 and 3.2)

d. Continue to build stronger community partnerships and inform the community about district events and accomplishments.

2018-19

☐ New ☐ Modified ☒ Unchanged

3.3 Opportunities for parents and community members to provide input on relevant issues that support all students' success.

a. Continue annual surveys to gather comments and feedback on services, programs, and parent and student needs including EL, LI, FY, HY, SWD

b. Continue to investigate and begin implementation of alternative times, locations, and media (including video streaming) for community meetings to allow for maximum involvement and feedback.

c. Continue to solicit input from parent and community in other ways besides surveys.

d. Site leadership will continue to create more opportunities for parent and community input and keep them informed about district initiatives and site events.

2019-20

☐ New ☐ Modified ☒ Unchanged

3.3 Opportunities for parents and community members to provide input on relevant issues that support all students' success.

a. Continue annual surveys to gather comments and feedback on services, programs, and parent and student needs including EL, LI, FY, HY, SWD (Funded in Goal 1, Goal 2 and 3.2)

b. Implementation of alternative times, locations, and media (including video streaming) for community meetings to allow for maximum involvement and feedback in addition to surveys. (Funded in Goal 1, Goal 2 and 3.2)

c. Site leadership will increase opportunities for parent and community input and awareness about district initiatives and site events. (Funded in Goal 1, Goal 2 and 3.2)

d. Continue to build stronger community partnerships and inform the community about district events and accomplishments.

BUDGETED EXPENDITURES

2017-18

Amount \$30,000

2018-19

Amount \$30,000

2019-20

Amount \$30,000

Source	Supplemental and Concentration
Budget Reference	5800: Professional/Consulting Services And Operating Expenditures d. Magazine ads (Ella and Our Town)

Source	Supplemental and Concentration
Budget Reference	5800: Professional/Consulting Services And Operating Expenditures d. Magazine ads (Ella and Our Town)

Source	Supplemental and Concentration
Budget Reference	5800: Professional/Consulting Services And Operating Expenditures d. Magazine ads (Ella and Our Town)

Goals, Actions, & Services

Strategic Planning Details and Accountability

Complete a copy of the following table for each of the LEA's goals. Duplicate the table as needed.

☐ New ☒ Modified ☐ Unchanged

Goal 4

Develop coherent and transparent systems for operational excellence to support each student's success.

[State and/or Local Priorities Addressed by this goal:](#)

STATE ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☒ 6 ☐ 7 ☐ 8
 COE ☐ 9 ☐ 10
 LOCAL

[Identified Need](#)

Continue to improve our systems, operations and ensuring compliance with all State and Federal regulations.

EXPECTED ANNUAL MEASURABLE OUTCOMES

Metrics/Indicators	Baseline	2017-18	2018-19	2019-20
Teacher credentials	100% of teachers are appropriately credentialed and assigned before the start of the school year.	100% of teachers will be appropriately credentialed and assigned before the start of the school year.	100% of teachers will be appropriately credentialed and assigned before the start of the school year.	100% of teachers will be appropriately credentialed and assigned before the start of the school year.
Facilities Inspection Tool (FIT) Report.	100% of school facilities will receive score of "good" or "better".	As evidenced by the Facilities Inspection Tool (FIT) report, 100% of school facilities will receive score of "good" or "better".	As evidenced by the Facilities Inspection Tool (FIT) report, 100% of school facilities will receive score of "good" or "better".	As evidenced by the Facilities Inspection Tool (FIT) report, 100% of school facilities will receive score of "good" or "better".
FPM and Williams	100% of internal, state, and federal audit items where addressed in a remediation plan.	100% of internal, state, and federal audit items will be addressed in a remediation plan	100% of internal, state, and federal audit items will be addressed in a remediation plan	100% of internal, state, and federal audit items will be addressed in a remediation plan
Fiscal Crisis and Management Assistance Team (FCMAT) Report.	Anticipated to have positive reviews regarding Fiscal Health as measured by positive financial certifications and alignment with Fiscal Crisis and	Ensure Fiscal Health as measured by positive financial certifications and alignment with Fiscal Crisis and Management Assistance Team (FCMAT) best practices.	Ensure Fiscal Health as measured by positive financial certifications and alignment with Fiscal Crisis and Management Assistance Team (FCMAT) best practices.	Ensure Fiscal Health as measured by positive financial certifications and alignment with Fiscal Crisis and Management Assistance Team (FCMAT) best practices.

	Management Assistance Team (FCMAT) best practices.			
Business process reviews	Alignment with recommendations from external business process reviews (planning and construction, maintenance)	Increase alignment with recommendations from external business process reviews (planning and construction, maintenance)	Increase alignment with recommendations from external business process reviews (planning and construction, maintenance)	Increase alignment with recommendations from external business process reviews (planning and construction, maintenance)
Survey data	Baseline will be set in 2017-18	Set a baseline for feedback (agree and strongly agree) from site certificated and classified staff on district departments support and services as measured on a baseline 2017-18 survey.	Increase positive feedback (agree and strongly agree) from site certificated and classified staff on district departments support and services as measured on a baseline 2015-16 survey.	Increase positive feedback (agree and strongly agree) from site certificated and classified staff on district departments support and services as measured on a baseline 2015-16 survey.
Cost benefit analysis and ticketing analytics.	Baseline will be set in 2017-18	Enhance business processes and systems to continually improve operational outcomes as evidenced by multiple measures, such as cost benefit analysis and ticketing analytics.	Enhance business processes and systems to continually improve operational outcomes as evidenced by multiple measures, such as cost benefit analysis and ticketing analytics.	Enhance business processes and systems to continually improve operational outcomes as evidenced by multiple measures, such as cost benefit analysis and ticketing analytics.
Induction program enrollment rosters with dates of enrollment and retention; collaboration between Induction and HR	270 candidates were enrolled and completed year 1 or year 2 of induction.	100% of prior year 1 candidates will complete and be certified in their year 2 enrollment. All first year teachers will enroll as year 1 participants.	100% of prior year 1 candidates will complete and be certified in their year 2 enrollment. All first year teachers will enroll as year 1 participants.	100% of prior year 1 candidates will complete and be certified in their year 2 enrollment. All first year teachers will enroll as year 1 participants.

PLANNED ACTIONS / SERVICES

Complete a copy of the following table for each of the LEA's Actions/Services. Duplicate the table, including Budgeted Expenditures, as needed.

Action **1**

For Actions/Services not included as contributing to meeting the Increased or Improved Services Requirement:

<u>Students to be Served</u>	<input checked="" type="checkbox"/> All	<input type="checkbox"/> Students with Disabilities	<input type="checkbox"/>
<u>Location(s)</u>	<input checked="" type="checkbox"/> All Schools	<input type="checkbox"/> Specific Schools:	<input type="checkbox"/> Specific Grade spans:

OR

For Actions/Services included as contributing to meeting the Increased or Improved Services Requirement:

<u>Students to be Served</u>	<input type="checkbox"/> English Learners	<input type="checkbox"/> Foster Youth	<input type="checkbox"/> Low Income
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Scope of Services

☐ LEA-wide ☐ Schoolwide **OR** ☐ Limited to Unduplicated Student Group(s)

Location(s)

☐ All Schools ☐ Specific Schools: ☐ Specific Grade spans:

ACTIONS/SERVICES**2017-18**

☐ New ☒ Modified ☐ Unchanged

4.1 Systems are in place that support student engagement and success:

a. Facilities, maintenance, and improvement planning ensure optimal safe, clean, and wellsupplied facilities (physical plant, classrooms, common areas).

b. All audit, external process reviews, and compliance recommendations and best practices are identified, prioritized, budgeted for, and monitored to ensure safe and secure learning environments for each student.

c. Ensure students have access to quality nutrition where food is properly prepared, appealing, well-balanced, and provided in a variety of options.

d. Nurture, value, and build relationships between and among all employees through purposeful collaboration including improved communication, on-boarding, in-boarding, mentoring, and coaching.

2018-19

☐ New ☐ Modified ☒ Unchanged

4.1 Systems continue to be in place that support student engagement and success:

a. Facilities, maintenance, and improvement planning continue to ensure optimal safe, clean, and wellsupplied facilities (physical plant, classrooms, common areas).

b. All audit, external process reviews, and compliance recommendations and best practices continue to be identified, prioritized, budgeted for, and monitored to ensure safe and secure learning environments for each student.

c.. Continue to ensure students have access to quality nutrition where food is properly prepared, appealing, well balanced, and provided in a variety of options.

d. Continue to nurture, value, and build relationships between and among all employees through purposeful collaboration including improved communication, on-boarding, in-boarding, mentoring, and coaching.

2019-20

☐ New ☐ Modified ☒ Unchanged

4.1 Systems continue to be in place that support student engagement and success:

a. Facilities, maintenance, and improvement planning continue to ensure optimal safe, clean, and well supplied facilities (physical plant, classrooms, common areas).

b. All audit, external process reviews, and compliance recommendations and best practices continue to be identified, prioritized, budgeted for, and monitored to ensure safe and secure learning environments for each student.

c.. Continue to ensure students have access to quality nutrition where food is properly prepared, appealing, well balanced, and provided in a variety of options.

d. Continue to nurture, value, and build relationships between and among all employees through purposeful collaboration including improved communication, on boarding, in-boarding, mentoring, and coaching.

BUDGETED EXPENDITURES**2017-18**

Amount	\$6,184,182
Source	Base
Budget Reference	a. objects 2200, 3000

2018-19

Amount	\$6,184,182
Source	Base
Budget Reference	a. objects 2200, 3000

2019-20

Amount	\$6,184,182
Source	Base
Budget Reference	a. objects 2200, 3000

Action 2

For Actions/Services not included as contributing to meeting the Increased or Improved Services Requirement:

Students to be Served

☒ All ☐ Students with Disabilities ☐

Location(s)

☒ All Schools ☐ Specific Schools: ☐ Specific Grade spans:

OR

For Actions/Services included as contributing to meeting the Increased or Improved Services Requirement:

Students to be Served

☐ English Learners ☐ Foster Youth ☐ Low Income

Scope of Services

☐ LEA-wide ☐ Schoolwide **OR** ☐ Limited to Unduplicated Student Group(s)

Location(s)

☐ All Schools ☐ Specific Schools: ☐ Specific Grade spans:

ACTIONS/SERVICES

2017-18

☐ New ☒ Modified ☐ Unchanged

4.2 Improve, streamline, and maintain business processes and services within and between departments to ensure all stakeholders have access to support, resources, timely customer service, and user-friendly, time-saving technology applications.

a. Facilities maintenance requests are tracked and resolved using online "Heat" request system.

b. Ensure fiscal solvency and efficiency to coordinate all district resources .

c. District systems are communicated, documented, updated, and accessible to all staff in order to provide quality customer service and support.

2018-19

☐ New ☐ Modified ☒ Unchanged

4.2 Continue to improve, streamline, and maintain business processes and services within and between departments to ensure all stakeholders have access to support, resources, timely customer service, and user-friendly, time-saving technology applications.

a. Facilities maintenance requests continue to be tracked and resolved using online "Heat" request system.

b. Continue to ensure fiscal solvency and efficiency to coordinate all district resources.

c. District systems are continually communicated, documented, updated, and accessible to all staff in order to provide quality customer service and support.

2019-20

☐ New ☐ Modified ☒ Unchanged

4.2 Continue to improve, streamline, and maintain business processes and services within and between departments to ensure all stakeholders have access to support, resources, timely customer service, and user-friendly, time-saving technology applications.

a. Facilities maintenance requests continue to be tracked and resolved using online "Heat" request system.

b. Continue to ensure fiscal solvency and efficiency to coordinate all district resources.

c. District systems are continually communicated, documented, updated, and accessible to all staff in order to provide quality customer service and support.

d. Organizational charts with up-to-date points of contact and areas of responsibility are revised and provided to stakeholders in print and on the district website.

e. Digital portals are monitored and maintained to support stakeholders with frequently asked questions and automated tasks.

d. Organizational charts with up-to-date points of contact and areas of responsibility are continually revised and provided to stakeholders in print and on the district website.

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BUDGETED EXPENDITURES

2017-18

Budget
Reference

Funded in 4.1 and 4.3

2018-19

Budget
Reference

Funded in 4.1 and 4.3

2019-20

Budget
Reference

Funded in 4.1 and 4.3

Action **3**

For Actions/Services not included as contributing to meeting the Increased or Improved Services Requirement:

Students to be Served

☒ All ☐ Students with Disabilities ☐

Location(s)

☒ All Schools ☐ Specific Schools: ☐ Specific Grade spans:

OR

For Actions/Services included as contributing to meeting the Increased or Improved Services Requirement:

Students to be Served

☐ English Learners ☐ Foster Youth ☐ Low Income

Scope of Services

☐ LEA-wide ☐ Schoolwide **OR** ☐ Limited to Unduplicated Student Group(s)

Location(s)

☐ All Schools ☐ Specific Schools: ☐ Specific Grade spans:

ACTIONS/SERVICES

2017-18

☐ New ☒ Modified ☐ Unchanged

2018-19

☐ New ☐ Modified ☒ Unchanged

2019-20

☐ New ☐ Modified ☒ Unchanged

4.3 Systems ensure highly qualified personnel are recruited and hired in a timely manner to support student success.

- a. Certificated and classified personnel are competent to cover all curricular and extracurricular activities at schools.
- b. Provide ongoing professional development for classified personnel to ensure job-skills are up to date and in compliance with all federal, state, local, and LEA regulations.
- c. Technology staff continues to be capable and trained to ensure mobile, classroom, office, and library technologies support instructional programs.
- d. Professional development is continually provided to ensure support staff are equipped to maintain technologies such as Smart Boards, LCD projectors, Document Cameras and other classroom/instructional peripherals.
- e. Continue to support Return, Inspire & become a Sweetwater Educator (RISE) program with SDSU to guarantee certificated employment for Compact Scholars who meet program requirements.
- f. Continue to investigate and participate in educational recruitment fairs and collaborate with local university teacher credentialing programs in order to infuse current employment pools.
- g. All new teachers will be enrolled in the New Teacher Induction Program and assigned a mentor within 30 days of hire. Interns will be provided a mentor with the opportunity to begin the online Teacher Induction Program prior to their receipt of a preliminary credential. All counselors will be provided mentoring support in their first year in a new position.

4.3 Systems continue to ensure highly qualified personnel are recruited and hired in a timely manner to support student success.

- a. Certificated and classified personnel continue to be competent to cover all curricular and extracurricular activities at schools.
- b. Continue providing ongoing professional development for classified personnel to ensure job-skills are up to date and in compliance with all federal, state, local, and LEA regulations.
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- f. Continue to investigate and participate in educational recruitment fairs and collaborate with local university teacher credentialing programs in order to infuse current employment pools.
- g. All new teachers will be enrolled in the New Teacher Induction Program and assigned a mentor within 30 days of hire. Interns will be provided a mentor with the opportunity to begin the online Teacher Induction Program prior to their receipt of a preliminary credential. All counselors will be provided mentoring support in their first year in a new position.

BUDGETED EXPENDITURES

2017-18

Amount	\$1,809,773
Source	Base

2018-19

Amount	\$1,809,773
Source	Base

2019-20

Amount	\$1,809,773
Source	Base

Budget Reference	a. objects 2200, 2300 ,3000
Amount	\$7,579,502
Source	Base
Budget Reference	c. objects 2200, 2400, 3000

Budget Reference	a. objects 2200, 2300 ,3000
Amount	\$7,579,502
Source	Base
Budget Reference	c. objects 2200, 2400, 3000

Budget Reference	a. objects 2200, 2300 ,3000
Amount	\$7,579,502
Source	Base
Budget Reference	c. objects 2200, 2400, 3000

Demonstration of Increased or Improved Services for Unduplicated Pupils

LCAP Year

☒ 2017–18 ☐ 2018–19 ☐ 2019–20

Estimated Supplemental and Concentration Grant Funds: \$42,111,247

Percentage to Increase or Improve Services: 13.21%

Describe how services provided for unduplicated pupils are increased or improved by at least the percentage identified above, either qualitatively or quantitatively, as compared to services provided for all students in the LCAP year.

Identify each action/service being funded and provided on a schoolwide or LEA-wide basis. Include the required descriptions supporting each schoolwide or LEA-wide use of funds ([see instructions](#)).

Supplemental and concentration funds will improve and increase services for our targeted sub-groups. Below are descriptions and the justifications for the intended use of these funds:

A. The following are district-wide services for all students but will be principally directed towards unduplicated student groups:

GOAL 1:

*Class Size Reduction - Reducing the number of teacher: student ratios in core classes district-wide will increase the number of individualized student-teacher interactions. Research has shown improvement in student learning and outcomes when class sizes are reduced, especially for economically disadvantaged youth and EL students- to build language acquisition. The benefit of smaller class size improves opportunities for at risk students to get additional help during the school day. (G. 1.2a)

*ELD Class Size Reduction - Reducing the number of teacher: student ratios in English Language Development classes will ensure students can accelerate their progress in English language acquisition and progress toward Reclassification. Research has shown improvement in student learning and outcomes when class sizes are reduced, especially EL students- to build language acquisition. The benefit of smaller class size improves opportunities for English learners to get additional help during the school day. (G. 1.2b)

*Counselor Caseload - The case load of school counselors decrease to 360:1 to assist with the implementation of annual credit checks, A-G course completion, 6-year planning, CTE pathways, and monitor Low-income, Foster/Homeless Youth, RFEP, and EL course completion each semester. (G. 1.2c)

*Site/District Curriculum Specialists - Site and District Certificated Teachers on Special Assignment provide professional development in core content areas focusing on first best lesson and literacy and numeracy skills. The objective is to deliver the optimal teaching methods to classroom teachers to improve upon instruction for English Learners, Foster youth, Homeless Youth, low socio-economic, as well as all students. (G. 1.2d)

*Paraprofessionals: Bilingual Testers - All sites will have Bilingual Testers available to monitor services that assist with proper placement and access to the curriculum to support English Learner student achievement and early intervention services. (Exception is students attending: Palomar High School; Options Secondary; East Hills Academy--monitoring provided by CIS Coordinator with support of the district). (G. 1.2e)

*Coordinator of Integrated Services (CIS) - Certificated personnel at each site will monitor the English learners and at-risk pupils. The job duties will include but not be limited to monitor academic performance, coordinate and conduct parent meetings, process targeted interventions to support A-G course completion, and analyze data to assist with proper placement of special populations. (G. 1.2f)

*Family Community Services Program Coordinator - District assigned personnel to provide support services to foster and homeless youth who suffer the traumatic effects of displacement from family and schools and multiple placements in foster care. These services are designed to improve the children's educational performance and personal achievement, directly benefiting them. The Coordinator will promote caregiver involvement in the education process through professional development opportunities. Support staff include Counselor, Student Program Facilitator, and Mental Health Specialist. (G. 1.2g)

*Blended Learning Specialist - Resource teachers will support sites in the integration of technology in the classroom to support the development of English Learners, Foster/Homeless youth, low income, as well as all students, as digital citizens. (G. 1.2h)

*Library Services - Library software to support college and career readiness will be provided to middle and high schools to support research opportunities for English Learners, Foster/Homeless youth, and low income students as well as all students (i.e. EBSCO, World Book, etc.). Additional hours provided to Teacher Librarians in support of extending library hours before and/or afterschool for student and/or parent use. Support for enhancing diversity and cultural available books within all libraries. (G. 1.2i & 2.3d)

*AVID - Continue implementation of AVID courses at school sites. The District AVID Coordinator TOSA in conjunction with the Director of College and Career Readiness will work with site coordinators on enhancing leadership, systems, instruction, and culture of the schools to ensure college and career readiness for all students. The AVID program has demonstrated success with supporting students who come from low income homes where neither parent went to college. This college readiness system is designed to increase the number of pupils who enroll and complete a degree at four-year colleges, focusing on students in A-G courses to achieve their fullest potential. (G. 1.2j)

*Learning Centers & PAH Counselor Additions - It is recommended that a counselor be provided to each Learning Center and an additional counselor be added to Palomar High School to assist with the implementation of annual credit checks, A-G course completion, 6-year planning, CTE pathways, and also to assist with monitoring Low-income, Foster Youth, RFEP, and EL course completion each semester.(G. 1.2k)

*Additional Assistant Principals at 5 Middle schools and funding provided for current Assistant Principals provide instructional leadership for all students with a focus on monitoring, evaluating, and accountability principally targeted toward EL, LI, FY and HY students. (G. 1.2l)

*District COSA facilitates college readiness planning and coordination including compact for success, college fairs and other events that foster access to college. (G. 1.2n)

* Assist students in achieving standards by purchasing supplemental instructional materials. (G1.3.a)

*Ensure additional academic support to students through site level integrated and extended day/week/year interventions. (G1.3.b)

* Ensure additional academic support to students by providing summer school opportunities. (G1.3.c)

* Professional development is provided in California Standards aligned curriculum and in district-wide initiatives with a focus on literacy skills, quality first instruction, mastery, social-emotional needs, and technology enhanced instruction. (G1.3.d)

* Provide summary data to staff on multiple measures of performance by school, paired with professional development opportunities to share best practices, participate in co-learning activities, and deepen our knowledge of effective teaching and learning. (G1.3.e)

* College and Career Readiness activities, workshops and meetings provide support for students to explore and build skills for post-secondary educational and career opportunities. (G1.3.f)

* Office of State and Federal Programs provides district wide technical assistance, professional development support, and guidance toward meeting Title I, Title III, and LCAP goals and initiatives. (G1.3.g)

GOAL 2:

*TOSAs coordinate and provide staff development for after school programs to support all students, including EL, LI, FY, HY. (G 2.2a)

*Designated staff organize extended day and extended year activities and transportation that foster student engagement and support including EL, LI, FY, HY. (G 2.2b)

*Provide custodial staff to support after school programs and activities. (G 2.2c)

*Mental Health Staff provides social and emotional support to all students with a focus on EI, FY, HY, LI (G 2.2d)

* Administrators, teachers, counselors, and classified staff receive professional growth opportunities in the appropriate skills in order to provide an optimal learning environment for students and staff. (Trauma Informed Care Series and other trainings) (G 2.2e)

* District nurses and psychologists provide physical and mental health, support social-emotional wellbeing of all students, and provide a targeted focus for EL, LI, FY and HY students. (G 2.2f)

* TOSAs and Site resource teachers to support equity plan, health and wellness.(G 2.2g)

*Implement a district wide plan for alternative behavior management systems such as Restorative Practices. (G 2.3 a)

*Continue to provide training for site personnel to appropriately respond to students in crisis, social emotional needs, conflict resolution referrals, victims of bullying, social media, etc. (G 2.3 b)

*Office of Equity, Culture, and Student Services implements year 2 of the Equity Plan and facilitates ongoing Equity surveys and site visits. (G 2.3 c)

*Teacher librarians continue to provide safe and engaging physical spaces for students that support diversity and a sense of belonging, facilitate activities that support technology and literacy, and provide safe "virtual spaces" through grade-appropriate online resources. (G 2.3 d)

GOAL 3:

* TOSAs/CIS/Counselors will continue to work with parent groups to provide needed information regarding services and programs for EL, LI, FY, HY, SWD. (G 3.2 a)

* Community Relations Facilitators at designated sites continue to support student success and to enhance parent capacity for EL, LI, FY, HY, SWD.(G 3.2 b)

* Continue to implement and support parent participation in training and institutes to support parent needs for EL, LI, FY, HY, SWD.(G 3.2 c)

*Continue annual surveys to gather comments and feedback on services, programs, and parent and student needs including EL, LI, FY, HY, SWD (G 3.3 a)

*Implementation of alternative times, locations, and media (including video streaming) for community meetings to allow for maximum involvement and feedback in addition to surveys. (G 3.3 b)

*Site leadership will increase opportunities for parent and community input and awareness about district initiatives and site events. (G 3.3 c)

* Continue to build stronger community partnerships and inform the community about district events and accomplishments. (G 3.3 d)

Based on current research on quality first instruction, equity and access, professional development, this is the most effective use of funds to ensure equity in reaching our LCAP goals for unduplicated student groups.

B. The following are school-wide services for all students including all targeted sub-groups.

- Sites above 40% unduplicated student count: (Based on current research on resiliency building and language acquisition, this is the most effective use of funds to ensure mastery of content for unduplicated student groups.)

*Site Restorative Resource Teachers (CVH, CVM, SOH, SOM) (G. 2.2h)

*Community Relations Facilitators (CPH, HTH, MVH, SYH, SOH, SUHI, CVM, MOM, NCM, CVH, MVA, OSS, GJH) (G. 3.2b)

* Additional staffing for schools that are at "red" performance level in math and other schools as determined by need to ensure effective initial instruction that leads to student engagement and mastery.(MVA, CPM, SOM)

(G. 1.2m)

*Summer Bridge/Extended Learning (OSS, and additional Sites) (G. 2.2c)

*Tutors (CVH, HTH, MVH, PH, SOH, SUHI, HTM, MOM, CVM) (G. 1.2e)

- Sites below the 40% unduplicated student count for supplemental funding: (Based on current research on resiliency building and language acquisition, this is the most effective use of funds to ensure mastery of content for unduplicated student groups.)
- *Community Relations Facilitators (OHR, RDR, BVH)
- *Summer Bridge/Extended Learning (ELM) (G. 2.2c)
- *Tutors (BVM, BVH, ELM) (G. 1.2e)

Overall, between the expenditures in Section 2 and the systemic changes noted above, SUHSD will meet the proportionality requirement of 13.21 % for Fiscal Year 2017-18. The services illustrated in Section 2 are above the normal operations available to all pupils. The District is using quantitative and qualitative measures to increase and improve services for unduplicated pupils by providing additional district personnel; access to supplemental materials; 21st century technological resources; and opportunities to participate in professional development trainings to improve the overall student learning environment for English Learners, Foster/Homeless youth, and low income students. Additionally there is a district-wide approach on focusing on unduplicated students through monitoring effectiveness and providing feedback via walkthroughs, management meetings, administrative PD via twilight sessions, collaboration meetings across the district to share effective strategies, district participation in the EL Evaluation Institute. We have an increased focus on the value and importance of student-voice and have begun to incorporate research based approaches to increase solicitation of student input and implementation of their suggestions in our systems. This will provide an increase in services for unduplicated students as compared to the services provided to all students in meeting our district LCAP goals.

Revised Local Control and Accountability Plan and Annual Update Template Instructions

Addendum

The Local Control and Accountability Plan (LCAP) and Annual Update Template documents and communicates local educational agencies' (LEAs) actions and expenditures to support student outcomes and overall performance. For school districts and county offices of education, the LCAP is a three-year plan which is reviewed and updated in the second and third years of the plan. Charter schools may complete the LCAP to align with the term of the charter school's budget, typically one year, which is submitted to the school's authorizer. The LCAP and Annual Update Template must be completed by all LEAs each year.

For school districts, the LCAP must describe, for the school district and each school within the district, goals and specific actions to achieve those goals for all students and each student group identified by the Local Control Funding Formula (LCFF) (ethnic, socioeconomically disadvantaged, English learners, foster youth, pupils with disabilities, and homeless youth), for each of the state priorities and any locally identified priorities.

For county offices of education, the LCAP must describe, for each county office of education-operated school and program, goals and specific actions to achieve those goals for all students and each LCFF student group funded through the county office of education (students attending juvenile court schools, on probation or parole, or expelled under certain conditions) for each of the state priorities and any locally identified priorities. School districts and county offices of education may additionally coordinate and describe in their LCAPs services funded by a school district that are provided to students attending county-operated schools and programs, including special education programs.

If a county superintendent of schools has jurisdiction over a single school district, the county board of education and the governing board of the school district may adopt and file for review and approval a single LCAP consistent with the requirements in Education Code (EC) sections 52060, 52062, 52066, 52068, and 52070. The LCAP must clearly articulate to which entity's budget (school district or county superintendent of schools) all budgeted and actual expenditures are aligned.

Charter schools must describe goals and specific actions to achieve those goals for all students and each LCFF subgroup of students including students with disabilities and homeless youth, for each of the state priorities that apply for the grade levels served or the nature of the program operated by the charter school, and any locally identified priorities. For charter schools, the inclusion and description of goals for state priorities in the LCAP may be modified to meet the grade levels served and the nature of the programs provided, including modifications to reflect only the statutory requirements explicitly applicable to charter schools in the Education Code. Changes in LCAP goals and actions/services for charter schools that result from the annual update process do not necessarily constitute a material revision to the school's charter petition.

For questions related to specific sections of the template, please see instructions below:

Instructions: Linked Table of Contents

[Plan Summary](#)

[Annual Update](#)

[Stakeholder Engagement](#)

[Goals, Actions, and Services](#)

[Planned Actions/Services](#)

[Demonstration of Increased or Improved Services for Unduplicated Students](#)

For additional questions or technical assistance related to completion of the LCAP template, please contact the local county office of education, or the CDE's Local Agency Systems Support Office at: 916-319-0809 or by email at: lcff@cde.ca.gov.

Plan Summary

The LCAP is intended to reflect an LEA's annual goals, actions, services and expenditures within a fixed three-year planning cycle. LEAs must include a plan summary for the LCAP each year.

When developing the LCAP, mark the appropriate LCAP year, and address the prompts provided in these sections. When developing the LCAP in year 2 or year 3, mark the appropriate LCAP year and replace the previous summary information with information relevant to the current year LCAP.

In this section, briefly address the prompts provided. These prompts are not limits. LEAs may include information regarding local program(s), community demographics, and the overall vision of the LEA. LEAs may also attach documents (e.g., the LCFF Evaluation Rubrics data reports) if desired and/or include charts illustrating goals, planned outcomes, actual outcomes, or related planned and actual expenditures.

An LEA may use an alternative format for the plan summary as long as it includes the information specified in each prompt and the budget summary table.

The reference to LCFF Evaluation Rubrics means the evaluation rubrics adopted by the State Board of Education under *EC* Section 52064.5.

Budget Summary

The LEA must complete the LCAP Budget Summary table as follows:

- **Total LEA General Fund Budget Expenditures for the LCAP Year:** This amount is the LEA's total budgeted General Fund expenditures for the LCAP year. The LCAP year means the fiscal year for which an LCAP is adopted or updated by July 1. The General Fund is the main operating fund of the LEA and accounts for all activities not accounted for in another fund. All activities are reported in the General Fund unless there is a compelling reason to account for an activity in another fund. For further information please refer to the *California School Accounting Manual* (<http://www.cde.ca.gov/fq/ac/sa/>). (Note: For some charter schools that follow governmental fund accounting, this amount is the total budgeted expenditures in the Charter Schools Special Revenue Fund. For charter schools that follow the not-for-profit accounting model, this amount is total budgeted expenses, such as those budgeted in the Charter Schools Enterprise Fund.)
- **Total Funds Budgeted for Planned Actions/Services to Meet the Goals in the LCAP for the LCAP Year:** This amount is the total of the budgeted expenditures associated with the actions/services included for the LCAP year from all sources of funds, as reflected in the LCAP. To the extent actions/services and/or expenditures are listed in the LCAP under more than one goal, the expenditures should be counted only once.
- **Description of any use(s) of the General Fund Budget Expenditures specified above for the LCAP year not included in the LCAP:** Briefly describe expenditures included in total General Fund Expenditures that are not included in the total funds budgeted for planned actions/services for

the LCAP year. (Note: The total funds budgeted for planned actions/services may include funds other than general fund expenditures.)

- **Total Projected LCFF Revenues for LCAP Year:** This amount is the total amount of LCFF funding the LEA estimates it will receive pursuant to *EC* sections 42238.02 (for school districts and charter schools) and 2574 (for county offices of education), as implemented by *EC* sections 42238.03 and 2575 for the LCAP year respectively.

Annual Update

The planned goals, expected outcomes, actions/services, and budgeted expenditures must be copied verbatim from the previous year's* approved LCAP. Minor typographical errors may be corrected.

* For example, for LCAP year 2017/18 of the 2017/18 – 2019/20 LCAP, review the goals in the 2016/17 LCAP. Moving forward, review the goals from the most recent LCAP year. For example, LCAP year 2020/21 will review goals from the 2019/20 LCAP year, which is the last year of the 2017/18 – 2019/20 LCAP.

Annual Measurable Outcomes

For each goal in the prior year, identify and review the actual measurable outcomes as compared to the expected annual measurable outcomes identified in the prior year for the goal.

Actions/Services

Identify the planned Actions/Services and the budgeted expenditures to implement these actions toward achieving the described goal. Identify the **actual** actions/services implemented to meet the described goal and the estimated actual annual expenditures to implement the actions/services. As applicable, identify any changes to the students or student groups served, or to the planned location of the actions/services provided.

Analysis

Using actual annual measurable outcome data, including data from the LCFF Evaluation Rubrics, analyze whether the planned actions/services were effective in achieving the goal. Respond to the prompts as instructed.

- Describe the overall implementation of the actions/services to achieve the articulated goal. Include a discussion of relevant challenges and successes experienced with the implementation process.
- Describe the overall effectiveness of the actions/services to achieve the articulated goal as measured by the LEA.
- Explain material differences between Budgeted Expenditures and Estimated Actual Expenditures. Minor variances in expenditures or a dollar-for-dollar accounting is not required.
- Describe any changes made to this goal, expected outcomes, metrics, or actions and services to achieve this goal as a result of this analysis and analysis of the data provided in the LCFF Evaluation Rubrics, as applicable. Identify where those changes can be found in the LCAP.

Stakeholder Engagement

Meaningful engagement of parents, students, and other stakeholders, including those representing the student groups identified by LCFF, is critical to the development of the LCAP and the budget process. Education Code identifies the minimum consultation requirements for school districts and county offices of education as consulting with teachers, principals, administrators, other school personnel, local bargaining units of the school district, parents, and pupils in developing the LCAP. Education Code requires charter schools to consult with teachers, principals, administrators, other school personnel, parents, and pupils in developing the LCAP. In addition, Education Code Section 48985 specifies the requirements for the translation of notices, reports, statements, or records sent to a parent or guardian.

The LCAP should be shared with, and LEAs should request input from, school site-level advisory groups, as applicable (e.g., school site councils, English Learner Advisory Councils, student advisory groups, etc.), to facilitate alignment between school-site and district-level goals and actions. An LEA may incorporate or reference actions described in other plans that are being undertaken to meet specific goals.

Instructions: The stakeholder engagement process is an ongoing, annual process. The requirements for this section are the same for each year of a three-year LCAP. When developing the LCAP, mark the appropriate LCAP year, and describe the stakeholder engagement process used to develop the LCAP and Annual Update. When developing the LCAP in year 2 or year 3, mark the appropriate LCAP year and replace the previous stakeholder narrative(s) and describe the stakeholder engagement process used to develop the current year LCAP and Annual Update.

School districts and county offices of education: Describe the process used to consult with the Parent Advisory Committee, the English Learner Parent Advisory Committee, parents, students, school personnel, the LEA's local bargaining units, and the community to inform the development of the LCAP and the annual review and analysis for the indicated LCAP year.

Charter schools: Describe the process used to consult with teachers, principals, administrators, other school personnel, parents, and students to inform the development of the LCAP and the annual review and analysis for the indicated LCAP year.

Describe how the consultation process impacted the development of the LCAP and annual update for the indicated LCAP year, including the goals, actions, services, and expenditures.

Goals, Actions, and Services

LEAs must include a description of the annual goals, for all students and each LCFF identified group of students, to be achieved for each state priority as applicable to type of LEA. An LEA may also include additional local priorities. This section shall also include a description of the specific planned actions an LEA will take to meet the identified goals, and a description of the expenditures required to implement the specific actions.

School districts and county offices of education: The LCAP is a three-year plan, which is reviewed and updated annually, as required.

Charter schools: The number of years addressed in the LCAP may align with the term of the charter schools budget, typically one year, which is submitted to the school's authorizer. If year 2 and/or year 3 is not applicable, charter schools must specify as such.

New, Modified, Unchanged

As part of the LCAP development process, which includes the annual update and stakeholder engagement, indicate if the goal, identified need, related state and/or local priorities, and/or expected annual measurable outcomes for the current LCAP year or future LCAP years are modified or unchanged from the previous year's LCAP; or, specify if the goal is new.

Goal

State the goal. LEAs may number the goals using the "Goal #" box for ease of reference. A goal is a broad statement that describes the desired result to which all actions/services are directed. A goal answers the question: What is the LEA seeking to achieve?

Related State and/or Local Priorities

Identify the state and/or local priorities addressed by the goal by placing a check mark next to the applicable priority or priorities. The LCAP must include goals that address each of the state priorities, as applicable to the type of LEA, and any additional local priorities; however, one goal may address multiple priorities. ([Link to State Priorities](#))

Identified Need

Describe the needs that led to establishing the goal. The identified needs may be based on quantitative or qualitative information, including, but not limited to, results of the annual update process or performance data from the LCFF Evaluation Rubrics, as applicable.

Expected Annual Measurable Outcomes

For each LCAP year, identify the metric(s) or indicator(s) that the LEA will use to track progress toward the expected outcomes. LEAs may identify metrics for specific student groups. Include in the baseline column the most recent data associated with this metric or indicator available at the time of adoption of the LCAP for the first year of the three-year plan. The most recent data associated with a metric or indicator includes data as reported in the annual update of the LCAP year immediately preceding the three-year plan, as applicable. The baseline data shall remain unchanged throughout the three-year LCAP. In the subsequent year columns, identify the progress to be made in each year of the three-year cycle of the LCAP. Consider how expected outcomes in any given year are related to the expected outcomes for subsequent years.

The metrics may be quantitative or qualitative, but at minimum an LEA must use the applicable required metrics for the related state priorities, in each LCAP year as applicable to the type of LEA. For the student engagement priority metrics, as applicable, LEAs must calculate the rates as described in the [LCAP Template Appendix, sections \(a\) through \(d\)](#).

Planned Actions/Services

For each action/service, the LEA must complete either the section “For Actions/Services not contributing to meeting Increased or Improved Services Requirement” or the section “For Actions/Services Contributing to Meeting the Increased or Improved Services Requirement.” The LEA shall not complete both sections for a single action.

For Actions/Services Not Contributing to Meeting the Increased or Improved Services Requirement

Students to be Served

The “Students to be Served” box is to be completed for all actions/services except for those which are included by the LEA as contributing to meeting the requirement to increase or improve services for unduplicated students. Indicate in this box which students will benefit from the actions/services by checking “All”, “Students with Disabilities”, or “Specific Student Group(s)”. If “Specific Student Group(s)” is checked, identify the specific student group(s) as appropriate.

Location(s)

Identify the location where the action/services will be provided. If the services are provided to all schools within the LEA, the LEA must indicate “All Schools”. If the services are provided to specific schools within the LEA or specific grade spans only, the LEA must mark “Specific Schools” or “Specific Grade Spans”. Identify the individual school or a subset of schools or grade spans (e.g., all high schools or grades K-5), as appropriate.

Charter schools operating more than one site, authorized within the same charter petition, may choose to distinguish between sites by selecting “Specific Schools” and identify the site(s) where the actions/services will be provided. For charter schools operating only one site, “All Schools” and “Specific Schools” may be synonymous and, therefore, either would be appropriate. Charter schools may use either term provided they are used in a consistent manner through the LCAP.

For Actions/Services Contributing to Meeting the Increased or Improved Services Requirement:

Students to be Served

For any action/service contributing to the LEA’s overall demonstration that it has increased or improved services for unduplicated students above what is provided to all students (see [Demonstration of Increased or Improved Services for Unduplicated Students](#) section, below), the LEA must identify the unduplicated student group(s) being served.

Scope of Service

For each action/service contributing to meeting the increased or improved services requirement, identify scope of service by indicating “LEA-wide”, “Schoolwide”, or “Limited to Unduplicated Student Group(s)”. The LEA must select one of the following three options:

- If the action/service is being funded and provided to upgrade the entire educational program of the LEA, place a check mark next to “LEA-wide.”
- If the action/service is being funded and provided to upgrade the entire educational program of a particular school or schools, place a check mark next to “schoolwide”.
- If the action/service being funded and provided is limited to the unduplicated students identified in “Students to be Served”, place a check mark next to “Limited to Student Groups”.

For charter schools and single-school school districts, “LEA-wide” and “Schoolwide” may be synonymous and, therefore, either would be appropriate. For charter schools operating multiple schools (determined by a unique CDS code) under a single charter, use “LEA-wide” to refer to all schools under the charter and use “Schoolwide” to refer to a single school authorized within the same charter petition. Charter schools operating a single school may use “LEA-wide” or “Schoolwide” provided these terms are used in a consistent manner through the LCAP.

Location(s)

Identify the location where the action/services will be provided. If the services are provided to all schools within the LEA, the LEA must indicate “All Schools”. If the services are provided to specific schools within the LEA or specific grade spans only, the LEA must mark “Specific Schools” or “Specific Grade Spans”. Identify the individual school or a subset of schools or grade spans (e.g., all high schools or grades K-5), as appropriate.

Charter schools operating more than one site, authorized within the same charter petition, may choose to distinguish between sites by selecting “Specific Schools” and identify the site(s) where the actions/services will be provided. For charter schools operating only one site, “All Schools” and “Specific Schools” may be synonymous and, therefore, either would be appropriate. Charter schools may use either term provided they are used in a consistent manner through the LCAP.

Actions/Services

For each LCAP year, identify the actions to be performed and services provided to meet the described goal. Actions and services that are implemented to achieve the identified goal may be grouped together. LEAs may number the action/service using the “Action #” box for ease of reference.

New/Modified/Unchanged:

- Check “New” if the action/service is being added in any of the three years of the LCAP to meet the articulated goal.
- Check “Modified” if the action/service was included to meet an articulated goal and has been changed or modified in any way from the prior year description.
- Check “Unchanged” if the action/service was included to meet an articulated goal and has not been changed or modified in any way from the prior year description.
 - If a planned action/service is anticipated to remain unchanged for the duration of the plan, an LEA may check “Unchanged” and leave the subsequent year columns blank rather than having to copy/paste the action/service into the subsequent year columns. Budgeted expenditures may be treated in the same way as applicable.

Note: The goal from the prior year may or may not be included in the current three-year LCAP. For example, when developing year 1 of the LCAP, the goals articulated in year 3 of the preceding three-year LCAP will be from the prior year.

Charter schools may complete the LCAP to align with the term of the charter school’s budget that is submitted to the school’s authorizer. Accordingly, a charter school submitting a one-year budget to its authorizer may choose not to complete the year 2 and year 3 portions of the Goals, Actions, and

Services section of the template. If year 2 and/or year 3 is not applicable, charter schools must specify as such.

Budgeted Expenditures

For each action/service, list and describe budgeted expenditures for each school year to implement these actions, including where those expenditures can be found in the LEA's budget. The LEA must reference all fund sources for each proposed expenditure. Expenditures must be classified using the California School Accounting Manual as required by *Education Code* sections 52061, 52067, and 47606.5.

Expenditures that are included more than once in an LCAP must be indicated as a duplicated expenditure and include a reference to the goal and action/service where the expenditure first appears in the LCAP.

If a county superintendent of schools has jurisdiction over a single school district, and chooses to complete a single LCAP, the LCAP must clearly articulate to which entity's budget (school district or county superintendent of schools) all budgeted expenditures are aligned.

Demonstration of Increased or Improved Services for Unduplicated Students

This section must be completed for each LCAP year. When developing the LCAP in year 2 or year 3, copy the Demonstration of Increased or Improved Services for Unduplicated Students table and mark the appropriate LCAP year. Using the copy of the table, complete the table as required for the current year LCAP. Retain all prior year tables for this section for each of the three years within the LCAP.

Estimated Supplemental and Concentration Grant Funds

Identify the amount of funds in the LCAP year calculated on the basis of the number and concentration of low income, foster youth, and English learner students as determined pursuant to 5 CCR 15496(a)(5).

Percentage to Increase or Improve Services

Identify the percentage by which services for unduplicated pupils must be increased or improved as compared to the services provided to all students in the LCAP year as calculated pursuant to 5 CCR 15496(a)(7).

Consistent with the requirements of 5 CCR 15496, describe how services provided for unduplicated pupils are increased or improved by at least the percentage calculated as compared to services provided for all students in the LCAP year. To improve services means to grow services in quality and to increase services means to grow services in quantity. This description must address how the action(s)/service(s) limited for one or more unduplicated student group(s), and any schoolwide or districtwide action(s)/service(s) supported by the appropriate description, taken together, result in the required proportional increase or improvement in services for unduplicated pupils.

If the overall increased or improved services include any actions/services being funded and provided on a schoolwide or districtwide basis, identify each action/service and include the required descriptions supporting each action/service as follows.

For those services being provided on an LEA-wide basis:

- For school districts with an unduplicated pupil percentage of 55% or more, and for charter schools and county offices of education: Describe how these services are **principally directed to** and **effective in** meeting its goals for unduplicated pupils in the state and any local priorities.
- For school districts with an unduplicated pupil percentage of less than 55%: Describe how these services are **principally directed to** and **effective in** meeting its goals for unduplicated pupils in the state and any local priorities. Also describe how the services are **the most effective use of the funds to** meet these goals for its unduplicated pupils. Provide the basis for this determination, including any alternatives considered, supporting research, experience or educational theory.

For school districts only, identify in the description those services being funded and provided on a schoolwide basis, and include the required description supporting the use of the funds on a schoolwide basis:

- For schools with 40% or more enrollment of unduplicated pupils: Describe how these services are **principally directed to** and **effective in** meeting its goals for its unduplicated pupils in the state and any local priorities.
- For school districts expending funds on a schoolwide basis at a school with less than 40% enrollment of unduplicated pupils: Describe how these services are **principally directed to** and how the services are **the most effective use of the funds to** meet its goals for English learners, low income students and foster youth, in the state and any local priorities.

State Priorities

Priority 1: Basic Services addresses the degree to which:

- A. Teachers in the LEA are appropriately assigned and fully credentialed in the subject area and for the pupils they are teaching;
- B. Pupils in the school district have sufficient access to the standards-aligned instructional materials; and
- C. School facilities are maintained in good repair.

Priority 2: Implementation of State Standards addresses:

- A. The implementation of state board adopted academic content and performance standards for all students, which are:
 - a. English Language Arts – Common Core State Standards for English Language Arts
 - b. Mathematics – Common Core State Standards for Mathematics
 - c. English Language Development
 - d. Career Technical Education
 - e. Health Education Content Standards
 - f. History-Social Science
 - g. Model School Library Standards
 - h. Physical Education Model Content Standards
 - i. Next Generation Science Standards
 - j. Visual and Performing Arts
 - k. World Language; and
- B. How the programs and services will enable English learners to access the CCSS and the ELD standards for purposes of gaining academic content knowledge and English language proficiency.

Priority 3: Parental Involvement addresses:

- A. The efforts the school district makes to seek parent input in making decisions for the school district and each individual school site;
- B. How the school district will promote parental participation in programs for unduplicated pupils; and
- C. How the school district will promote parental participation in programs for individuals with exceptional needs.

Priority 4: Pupil Achievement as measured by all of the following, as applicable:

- A. Statewide assessments;
- B. The Academic Performance Index;
- C. The percentage of pupils who have successfully completed courses that satisfy UC or CSU entrance requirements, or programs of study that align with state board approved career technical educational standards and framework;
- D. The percentage of English learner pupils who make progress toward English proficiency as measured by the CELDT;
- E. The English learner reclassification rate;
- F. The percentage of pupils who have passed an advanced placement examination with a score of 3 or higher; and
- G. The percentage of pupils who participate in, and demonstrate college preparedness pursuant to, the Early Assessment Program, or any subsequent assessment of college preparedness.

Priority 5: Pupil Engagement as measured by all of the following, as applicable:

- A. School attendance rates;
- B. Chronic absenteeism rates;

- C. Middle school dropout rates;
- D. High school dropout rates; and
- E. High school graduation rates;

Priority 6: School Climate as measured by all of the following, as applicable:

- A. Pupil suspension rates;
- B. Pupil expulsion rates; and
- C. Other local measures, including surveys of pupils, parents, and teachers on the sense of safety and school connectedness.

Priority 7: Course Access addresses the extent to which pupils have access to and are enrolled in:

- A. A broad course of study including courses described under Sections 51210 and 51220(a)-(i), as applicable;
- B. Programs and services developed and provided to unduplicated pupils; and
- C. Programs and services developed and provided to individuals with exceptional needs.

Priority 8: Pupil Outcomes addresses pupil outcomes, if available, for courses described under Sections 51210 and 51220(a)-(i), as applicable.

Priority 9: Coordination of Instruction of Expelled Pupils (COE Only) addresses how the county superintendent of schools will coordinate instruction of expelled pupils

Priority 10. Coordination of Services for Foster Youth (COE Only) addresses how the county superintendent of schools will coordinate services for foster children, including:

- A. Working with the county child welfare agency to minimize changes in school placement
- B. Providing education-related information to the county child welfare agency to assist in the delivery of services to foster children, including educational status and progress information that is required to be included in court reports;
- C. Responding to requests from the juvenile court for information and working with the juvenile court to ensure the delivery and coordination of necessary educational services; and
- D. Establishing a mechanism for the efficient expeditious transfer of health and education records and the health and education passport.

Local Priorities address:

- A. Local priority goals; and
- B. Methods for measuring progress toward local goals.

APPENDIX A: PRIORITIES 5 AND 6 RATE CALCULATION INSTRUCTIONS

For the purposes of completing the LCAP in reference to the state priorities under *Education Code* sections 52060 and 52066, as applicable to type of LEA, the following shall apply:

(a) “Chronic absenteeism rate” shall be calculated as follows:

- (1) The number of pupils with a primary, secondary, or short-term enrollment during the academic year (July 1 – June 30) who are chronically absent where “chronic absentee” means a pupil who is absent 10 percent or more of the schooldays in the school year when the total number of days a pupil is absent is divided by the total number of days the pupil is enrolled and school was actually taught in the total number of days the pupil is enrolled and school was actually taught in the regular day schools of the district, exclusive of Saturdays and Sundays.
- (2) The unduplicated count of pupils with a primary, secondary, or short-term enrollment during the academic year (July 1 – June 30).
- (3) Divide (1) by (2).

(b) “Middle School dropout rate” shall be calculated as set forth in *California Code of Regulations*, title 5, Section 1039.1.

(c) “High school dropout rate” shall be calculated as follows:

- (1) The number of cohort members who dropout by the end of year 4 in the cohort where “cohort” is defined as the number of first-time grade 9 pupils in year 1 (starting cohort) plus pupils who transfer in, minus pupils who transfer out, emigrate, or die during school years 1, 2, 3, and 4.
- (2) The total number of cohort members.
- (3) Divide (1) by (2).

(d) “High school graduation rate” shall be calculated as follows:

- (1) The number of cohort members who earned a regular high school diploma [or earned an adult education high school diploma or passed the California High School Proficiency Exam] by the end of year 4 in the cohort where “cohort” is defined as the number of first-time grade 9 pupils in year 1 (starting cohort) plus pupils who transfer in, minus pupils who transfer out, emigrate, or die during school years 1, 2, 3, and 4.
- (2) The total number of cohort members.
- (3) Divide (1) by (2).

(e) “Suspension rate” shall be calculated as follows:

- (1) The unduplicated count of pupils involved in one or more incidents for which the pupil was suspended during the academic year (July 1 – June 30).
- (2) The unduplicated count of pupils with a primary, secondary, or short-term enrollment during the academic year (July 1 – June 30).
- (3) Divide (1) by (2).

(f) "Expulsion rate" shall be calculated as follows:

- (1) The unduplicated count of pupils involved in one or more incidents for which the pupil was expelled during the academic year (July 1 – June 30).
- (2) The unduplicated count of pupils with a primary, secondary, or short-term enrollment during the academic year (July 1 – June 30).
- (3) Divide (1) by (2).

NOTE: Authority cited: Sections 42238.07 and 52064, *Education Code*. Reference: Sections 2574, 2575, 42238.01, 42238.02, 42238.03, 42238.07, 47605, 47605.6, 47606.5, 48926, 52052, 52060, 52061, 52062, 52063, 52064, 52066, 52067, 52068, 52069, 52070, 52070.5, and 64001,; 20 U.S.C. Sections 6312 and 6314.

APPENDIX B: GUIDING QUESTIONS

Guiding Questions: Annual Review and Analysis

- 1) How have the actions/services addressed the needs of all pupils and did the provisions of those services result in the desired outcomes?
- 2) How have the actions/services addressed the needs of all subgroups of pupils identified pursuant to *Education Code* Section 52052, including, but not limited to, English learners, low-income pupils, and foster youth; and did the provision of those actions/services result in the desired outcomes?
- 3) How have the actions/services addressed the identified needs and goals of specific school sites and were these actions/services effective in achieving the desired outcomes?
- 4) What information (e.g., quantitative and qualitative data/metrics) was examined to review progress toward goals in the annual update?
- 5) What progress has been achieved toward the goal and expected measurable outcome(s)? How effective were the actions and services in making progress toward the goal? What changes to goals, actions, services, and expenditures are being made in the LCAP as a result of the review of progress and assessment of the effectiveness of the actions and services?
- 6) What differences are there between budgeted expenditures and estimated actual annual expenditures? What were the reasons for any differences?

Guiding Questions: Stakeholder Engagement

- 1) How have applicable stakeholders (e.g., parents and pupils, including parents of unduplicated pupils and unduplicated pupils identified in *Education Code* Section 42238.01; community members; local bargaining units; LEA personnel; county child welfare agencies; county office of education foster youth services programs, court-appointed special advocates, and other foster youth stakeholders; community organizations representing English learners; and others as appropriate) been engaged and involved in developing, reviewing, and supporting implementation of the LCAP?
- 2) How have stakeholders been included in the LEA's process in a timely manner to allow for engagement in the development of the LCAP?
- 3) What information (e.g., quantitative and qualitative data/metrics) was made available to stakeholders related to the state priorities and used by the LEA to inform the LCAP goal setting process? How was the information made available?
- 4) What changes, if any, were made in the LCAP prior to adoption as a result of written comments or other feedback received by the LEA through any of the LEA's engagement processes?
- 5) What specific actions were taken to meet statutory requirements for stakeholder engagement pursuant to *Education Code* sections 52062, 52068, or 47606.5, as applicable, including engagement with representatives of parents and guardians of pupils identified in *Education Code* Section 42238.01?
- 6) What specific actions were taken to consult with pupils to meet the requirements 5 CCR 15495(a)?
- 7) How has stakeholder involvement been continued and supported? How has the involvement of these stakeholders supported improved outcomes for pupils, including unduplicated pupils, related to the state priorities?

Guiding Questions: Goals, Actions, and Services

- 1) What are the LEA's goal(s) to address state priorities related to "Conditions of Learning": Basic Services (Priority 1), the Implementation of State Standards (Priority 2), and Course Access (Priority 7)?
- 2) What are the LEA's goal(s) to address state priorities related to "Pupil Outcomes": Pupil Achievement (Priority 4), Pupil Outcomes (Priority 8), Coordination of Instruction of Expelled Pupils (Priority 9 – COE Only), and Coordination of Services for Foster Youth (Priority 10 – COE Only)?
- 3) What are the LEA's goal(s) to address state priorities related to parent and pupil "Engagement": Parental Involvement (Priority 3), Pupil Engagement (Priority 5), and School Climate (Priority 6)?
- 4) What are the LEA's goal(s) to address any locally-identified priorities?
- 5) How have the unique needs of individual school sites been evaluated to inform the development of meaningful district and/or individual school site goals (e.g., input from site level advisory groups, staff, parents, community, pupils; review of school level plans; in-depth school level data analysis, etc.)?
- 6) What are the unique goals for unduplicated pupils as defined in *Education Code* sections 42238.01 and bgroups as defined in section 52052 that are different from the LEA's goals for all pupils?
- 7) What are the specific expected measurable outcomes associated with each of the goals annually and over the term of the LCAP?
- 8) What information (e.g., quantitative and qualitative data/metrics) was considered/reviewed to develop goals to address each state or local priority?
- 9) What information was considered/reviewed for individual school sites?
- 10) What information was considered/reviewed for subgroups identified in *Education Code* Section 52052?
- 11) What actions/services will be provided to all pupils, to subgroups of pupils identified pursuant to *Education Code* Section 52052, to specific school sites, to English learners, to low-income pupils, and/or to foster youth to achieve goals identified in the LCAP?
- 12) How do these actions/services link to identified goals and expected measurable outcomes?
- 13) What expenditures support changes to actions/services as a result of the goal identified? Where can these expenditures be found in the LEA's budget?



June 26, 2017

Board Item - G.-9.

Issue:

Draft Single Plans for Student Achievement (Site Plans) for the 2017-2018 school year.

Superintendent's Recommendation:

Approve the submission of the draft Single Plans for Student Achievement (Site Plans) for the 2017-2018 school year.

Analysis:

All schools receiving state and federal funding are required to revise their Single Plan for Student Achievement (SPSA) annually and submit it for board approval. The draft SPSA's have been approved by the School Site Councils (SSC) prior to submission to the board. The site plans must include information on the programs and expenditures for the required supplemental funds as well as an explanation of how those programs and expenditures are supported by data and designed to improve academic achievement at the sites.

Click [here](#) to view the 2017-2018 SUHSD Site Plans:

2017-2018 SPSA Drafts

For questions regarding this board item, please contact Ana Maria Alvarez at (619) 691-5546 or ana.alvarez@sweetwaterschools.org.

Fiscal Impact:

None.



June 26, 2017

Board Item - G.-10.

Issue:

AVID Excel Agreement for the 2017-2018 school year.

Superintendent's Recommendation:

Approve Agreement with AVID College Readiness System and Products for AVID Excel with the Sweetwater Union High School District (SUHSD) for the 2017-2018 school year.

Analysis:

The SUHSD plan for Academic Language Development (ALD) designated courses for middle school Long Term English Learners (LTEL's) includes the option of the AVID Excel course.

The AVID Excel Implementation Agreement allows the Sweetwater Union High School District to implement the program at the sites listed below for the 2017-2018 school year. The AVID Excel membership includes staff development and materials. This agreement is entered into by the AVID Center and the Sweetwater Union High School District for the purpose of enhancing the English Language acquisition skills of LTELs and preparing these students for college readiness and success in global society. The terms of this agreement begins July 1, 2017 ,and ends June 30, 2018.

The AVID Excel Implementation Agreement allows AVID Excel instruction in the following Sweetwater schools, at a cost of \$890 each.

Bonita Vista Middle (Year 2)
Castle Park Middle (Year 1)
Granger Junior High (Year 1)
Hilltop Middle (Year 2)
Mar Vista Academy (Year 3)
Montgomery Middle (Year 2)
National City Middle (Year 2)
Rancho Del Rey Middle (Year 1)
Southwest Middle (Year 1)

The agreement will also include AVID Excel Curriculum Library Set as well as AVID

Excel Benefit Package at an additional cost of \$4,750.00

For questions regarding this board item, please contact Ana Maria Alvarez at (619) 691-5564 or ana.alvarez@sweetwaterschools.org.

Fiscal Impact:

Total expenditure not to exceed \$12,760.00, to be paid from the AVID budget, Resource Code: 0900.

ATTACHMENTS:

Description	Type
 AVID Agreement	Backup Material

Exhibit to the AVID College Readiness System Services and Products Agreement for AVID Excel

As per AVID Excel being listed on an approved Quote, this Exhibit to the AVID College Readiness System Services and Products Agreement for AVID Excel ("AVID Excel Exhibit") is hereby fully incorporated into the Agreement by and between AVID Center and the Client named on the Quote. The following terms and conditions are in addition to the standard terms and conditions; in the event of a conflict between the standard terms and conditions and this Exhibit, the terms and conditions of this Exhibit shall apply.

Article I. AVID Excel Participation

1.1 AVID Excel: AVID Excel is a middle school program designed to increase the college readiness of designated English Language Learner students. The goal of AVID Excel is to interrupt students' path to long-term ELL status, accelerate their academic language acquisition, and place them in AVID and college preparatory coursework.

1.2 AVID Excel Participation: By signing the Quote and paying the associated Participation Fee for each participating site and a one-time curriculum fee per site, Client and their school sites listed in the Quote will be considered AVID Excel "Participant(s)." Participation runs concurrently with the Term of this Agreement.

1.3 AVID College Readiness System and Materials: Participation entitles Client to implement AVID Excel only at the Participant school sites listed in the Quote and to use the licensed AVID trademarks, copyrights and other intellectual property strictly for the Client's AVID Excel participation pursuant to the provisions of this Agreement.

1.4 AVID Center Support: AVID Center agrees to provide support to Client through AVID Center's national and/or divisional offices. Participation includes support from AVID Center's national office in the following ways:

- Access to resources, including but not limited to: recruiting documents, coaching materials, and training modules,
- Access to updates of curriculum and other resources,
- Access to phone, email, web conference support tailored to AVID Excel,
- Coordination with Client to collect, report, and analyze data from Participant schools,
- Access to ongoing AVID Excel development through various professional learning sessions and workshops,
- Permission/license to use the AVID Trademarks and other intellectual property as described in the AVID Standard Terms and Conditions,
- Electronic newsletters and access to the resources available through the password-protected MyAVID area of AVID Center's website.

1.5 Licensing Benefits: Participation includes a license to use the AVID Trademarks to promote Client's implementation of AVID Excel, to use and implement the AVID Methodologies, and to copy the student activity sheets from the AVID Materials at the school sites listed as Participants (sites purchasing Participation fee) in the Quote for educational purposes relating to AVID, all pursuant to the provisions of this Agreement. Licensing runs concurrently with the Term of this Exhibit.

1.6 Annual Participation/License Fee: Client agrees to pay AVID Center an annual Participation fee for each Participant site according to the pricing schedule set forth in the Quote.

Article II. Period of Agreement

2.1 Term: The Term of this exhibit shall be July 1, 2017 to June 30, 2018

Article III. Client Responsibilities

3.1 AVID Methods: Client agrees to implement AVID Excel according to AVID guidelines and teaching methodologies (collectively "AVID Methodologies") set forth in the AVID publications, guidebooks and materials (collectively "AVID Materials") or otherwise established by AVID Center, as the same may be modified and/or updated by AVID from time to time at AVID's discretion. Client will not materially deviate from the AVID Methodologies without the prior written consent of the Executive Director of AVID Center. Client is responsible for each of its school sites' compliance with this Agreement.

3.2 Student Selection: Client agrees to select students for AVID's Excel in accordance with the selection criteria established in the AVID Excel recruiting process. Student Selection criteria may be modified and/or updated by AVID from time to time at AVID's sole discretion.

3.3 AVID Excel District Leader: In order to disseminate AVID effectively and to build a strong district AVID Excel program, AVID Center coordinates professional learning and networking with district leaders known as AVID Excel District Leaders. The primary role of the AVID Excel District Leader is to coordinate support for AVID Excel within Client's School System. These individuals accept responsibility for ensuring the implementation of the AVID Excel program components according to the AVID Methodologies and for facilitating the development of site conditions that ensure effective AVID Excel participation. The AVID Excel District Leader is required to be present at both the Professional Learning/Site Visitation Days for Years 1 and 2. Client agrees to maintain, at its expense, at least one district-level AVID Excel District Leader.

3.4 District Virtual Professional Learning: Client agrees to purchase and attend virtual professional learning in the district's first and second year of participation. Each year, Client's Participant sites attend approximately 5 hours of virtual professional learning. District Virtual Professional Learning is available for content-area teachers who teach AVID Excel students.

3.5 District On-Site Professional Learning/Site Visitation Days: Client agrees to purchase and participate in two (2) Professional Learning/Site Visitation Days in each of the district's first and second year of participation. A representative from AVID Excel will observe participating classrooms and meet with the building administrators, the AVID Excel District Leader, and AVID Excel teachers to discuss progress and provide support needed by the site and the AVID Excel District Leader.

3.6 Summer Institute: Client agrees to register and attend an AVID Summer Institute in the first year of participation for the AVID Excel District Leader in addition to a site team with a minimum of (6) six members per Participant site. The site team will include AVID Excel teachers, building administrator(s), AVID Excel content area teacher, and others such as the English language learner site/district coordinator or counselors. In Years 2 and 3 of participation, the AVID Excel District Leader is required to attend in addition to a site team with a minimum of two (2) members, including the AVID Excel site administrator and AVID Excel teacher, unless there are multiple AVID Excel teachers, in which case all must attend.

3.7 AVID Excel Curriculum Set(s): Client agrees to purchase at least four (4) complete AVID Excel Curriculum Sets for each site in their initial year of participation of AVID Excel and one (1) complete AVID Excel Curriculum Set for the district office. Participant sites in their second year and beyond will continue to have access to the AVID Excel Curriculum materials electronically throughout their participation. AVID Excel Curriculum Set prices are set forth in the Quote. Client shall be entitled to use AVID Excel Curriculum Sets only at the specific school sites listed in the Quote for which the materials were originally purchased. AVID Excel Curriculum Sets are non-transferable. Client and its individual AVID school sites agree to ensure that each AVID Excel classroom has adequate AVID curriculum materials. The use of the AVID Excel Curriculum Sets, which are part of the AVID Materials, will also be subject to the provisions of the AVID Standard Terms and Conditions.

3.8 Curriculum Shipment: AVID Center will ship AVID Excel curriculum libraries upon full execution of the Quote, once materials are in stock, upon Client provision of purchase order or form of payment (unless indicated otherwise on the Quote) and in accordance with the delivery date requested by Client as indicated on the Quote as the "Requested Delivery Date". The Client confirms that this date reflects the best time for receipt of shipment. Client should allow one week on either side of the Requested Delivery Date as unforeseen circumstances may occur in the supply chain. Please allow additional time if Requested Delivery Date is within three (3) weeks of AVID Center's receipt of a fully executed copy of this Agreement. The Requested Delivery Date is provided for Client's convenience only. AVID Center's collection and Client's provision of such date does not constitute an affirmation of fact or promise nor does it create an obligation of law or in equity on behalf of AVID Center if materials do not arrive within the given timeframe. Client agrees that AVID Center makes no remedial promise and does not expressly intend to create a warranty or guarantee for any loss or damage, whether material or immaterial, arising from the late or early shipment of materials. AVID Center will send curriculum via standard ground delivery service. Any request by the Client to expedite shipping will be at the expense of the Client and subject to availability of the item(s) ordered.



AVID Center HQ
9797 Aero Drive
Suite 100
San Diego, CA 92123
Phone: (858) 380-4800
Fax: 1-800-915-6897

Quote: Sweetwater Union High School District

To	From
Sweetwater Union High School District	Pamela Specht
	E-mail: pspecht@avidcenter.org
670 L Street	Phone: 858-380-4725
Suite C	
Chula Vista,	

Summary

Total Amount:	\$4,750.00	Quote ID:	QUO-08330-B1S4Y0
Shipping Method:	FedEx	Date:	5/20/2017
Payment Terms:	Net 30		

Number of SI:	Number of Elementary Libraries:
Number of Memberships:	Number of Middle Libraries:
Number of AVID Weekly:	Number of High Libraries:

Details

Site	Product ID	Product	Quantity	Price	Sub Total
Site:					
	C AEXSET	AVID Excel Curriculum Library Set	1.00	\$272.73	\$272.73
	EXCEL BENEFIT PACKAGE	AVID EXCEL Benefit Package	5.00	\$890.00	\$4,450.00

Pre Freight Amount	\$4,722.73
Total Tax	\$0.00
Freight Amount	\$27.27
Total	\$4,750.00

By signing below, Client hereby agrees to purchase all items listed on this Quote, subject to and in accordance with the AVID Standard Terms and Conditions, this Quote, and any Exhibits attached hereto, all of which comprise the AVID College Readiness System Services and Products Agreement.

☐ Purchase Order is not required.

If Client checks the box above, Client hereby confirms that the Client does not require a Purchase Order for payment of any related invoice(s); in which case AVID Center will proceed to the fulfill services and/or products and invoice Client according to this approved Quote.

If Client does not check the box above, Client agrees to provide AVID Center with a valid Purchase Order in a timely manner, in which case AVID Center will not invoice Client until Client provides and AVID Center receives a valid copy of the Purchase Order; AVID Center will not fulfill any services or products until such Purchase Order is received.

Client Signature

Title

Date



June 26, 2017

Board Item - H.-1.

Issue:

California Interscholastic Federation (CIF) league representatives for 2017-2018.

Superintendent's Recommendation:

Approve the appointment of California Interscholastic Federation (CIF) league representatives for 2017-2018, by name and title, to the San Diego CIF Section office.

Analysis:

The State CIF Commissioner requires approval by the board of trustees of the appointment of representatives, by name and title, from each local school district to the appropriate CIF Section office as required in Article 2, Section 25 of the CIF constitution, no later than June 29, 2017.

The representatives listed and signed off as approved by the board of trustees are the only individuals eligible to serve as voting representatives on league, section and state governing bodies. They represent the direct line of voting communication for CIF action. The only other voting members at section or state levels represent related organizations as per Article 3, Section 30, of the State CIF Constitution.

Without this confirmation to the section CIF office, the schools will not have voting representation at any level within CIF. With this formal confirmation of the appointment of district high school principals by name no later than June 29, 2017, the district is assured of appropriate school input and control of high school athletic programs. The State CIF Commissioner requires board approval.

If you have any questions on this board item please contact Dr. Joe Fulcher at (619) 691-5533 or joe.fulcher@sweetwaterschools.org.

The 2017-2018 list of representatives is as follows:

Bonita Vista High
Castle Park High
Chula Vista High

Roman Del Rosario, Principal
Viky Mitrovich, Principal
Mary Rose Peralta, Principal

Eastlake High
Hilltop High
Mar Vista High
Montgomery High
Otay Ranch High
Olympian High
San Ysidro High
Southwest High
Sweetwater High
District Office

Hector Espinoza, Principal
Tom Gray, Principal
Richard Carreon, Principal
Tom Rodrigo, Principal
Anna Pedroza, Principal
Principal
Jose Brosz, Principal
Lee Romero, Principal
Maribel Gavin, Principal
Joe Heinz, District Athletics
Coordinator

Fiscal Impact:

None.



June 26, 2017

Board Item - H.-2.

Issue:

Agreement with Heads Up Football, LLC.

Superintendent's Recommendation:

Approve Agreement with Heads Up Football, LLC, to continue to provide football safety techniques along with concussion and sudden cardiac arrest training.

Analysis:

This Agreement provides membership with Heads Up Football, LLC, to provided training for high school football coaches in safety techniques along with concussion and sudden cardiac arrest training. Heads Up Football's national initiatives help make the sport of football better and safer by providing a comprehensive collection of resources, programs, applications, and promotions to effect change and address the complex challenges of player health and safety in youth and high school football.

For questions regarding this board item, please contact Joe Fulcher at (619) 691-5564 or joe.fulcher@sweetwaterschools.org.

Fiscal Impact:

Expenditure not to exceed \$2,500, to be paid from the athletics budget, Resource Code: 0000.

ATTACHMENTS:

Description	Type
Heads Up Football, LLC Agreement	Cover Memo

2017 Heads Up Football High School Coach Training Agreement

This agreement to provide football coach education and resources (the “Agreement”) is by and between _____ (“School”) with its principal place of business at _____ and Heads Up Football, LLC, an Indiana limited liability company with its principal place of business at 45 North Pennsylvania Street, Suite 700, Indianapolis, IN 46204 (“HUF LLC”). For mutual consideration, the parties agree as follows:

1. Definitions.

- 1.1. “School” – School is defined as an individual school or multiple schools organized within a school district or section.

2. Heads Up Football[®] Resources and Services. HUF LLC will make the following resources and services available to School’s football coaches (the “Services”):

- 2.1. **Online high school coach certification course(s)** available through NFHSLearn.com for a fee of \$10/coach. The High School Coach Certification includes four modules:

- (1) Football specific content, including shoulder tackling and blocking, and equipment fitting;
- (2) Heat and hydration;
- (3) Sudden cardiac arrest; and
- (4) Concussion education.

Upon completion of these four modules, the coach will be eligible to receive \$1 million excess coach liability insurance in excess of any other valid insurance, whether collectable or not, for the calendar year the training was completed.

2.2. In-person coach training.

- 2.2.1. Included in the \$10/coach fee referenced in Section 2.1 above, one coach from School may attend a regional training clinic.

- 2.2.2. **Multi-Coach Heads Up Football Training.** Up to 50 coaches may be trained in-person for a set clinic fee of \$1,250; additional coaches may be added to the clinic at a price of \$20 per coach. (e.g., if 75 coaches attend, the cost would be \$1,250 + (25 x \$20) = \$1,750).

- 2.3. **Resources.** HUF LLC will provide School’s administrator with administrator access to HUF LLC’s then available suite of online football resources and benefits (the “HUF Resources” or “Services”). School administrator must enroll on usafootball.com.

3. Fee: The fees set forth in section 2 may be paid by School, individual coaches, or third party, including by ESPN grant.

4. Term and Termination. This Agreement is effective the date of execution (the “Effective Date”) and shall terminate on December 31, 2017.

- 4.1. **Renewal.** If School elects to renew, it must sign a new agreement each year. Each party understands that the other may elect not to renew the agreement in its sole discretion and without cause. If School (regardless of who is designated to pay the fee in section 3) has a balance due/owing with HUF LLC from previous season(s), it will be ineligible to register for HUF until the balance has been paid in full.
- 4.2. **Termination.** HUF LLC may terminate School's access to the website, its account, or this Agreement for cause with 30 calendar days' advance notice to School and an opportunity to cure. Upon termination, School will have no right to use the Services. If School is dissatisfied with this Agreement or any terms, policies or practices of HUF LLC in operating the HUF Services, any content available through the Services, or any changes to this Agreement, its sole recourse is to cancel School's account.
5. **Waivers and Releases.** School will implement a system for each participant's parent or legal guardian to execute a waiver and release that releases HUF LLC, and its officers, directors, employees, and parent companies, for damages that result from participating in School's football program. School may use existing waiver and add HUF LLC as a released party or may use a parent information and release form provided by HUF LLC.
6. **HUF LLC's Intellectual Property Rights.**
- 6.1. HUF LLC grants School a limited, revocable, non-exclusive right to use the USA Football Mark shown below for the sole limited use of displaying on School's website and paper collateral, such as registration materials, programs, and brochures, to provide a link back to the usafootball.com webpage and provide information about the Heads Up Football program. Such use shall be subject to the terms of this License Agreement and to any limitations communicated by HUF LLC at any time and may be suspended, revoked or terminated by HUF LLC at any time for any reason. Any USA Football Marks or materials used by School shall be and remain at all times the sole and exclusive property of HUF LLC. USA Football Marks may not be revised or altered in any way and must be displayed in the same form as produced and provided by HUF LLC (including the use of applicable trademark and/or copyright notices). USA Football Marks must be used in a professional and lawful manner and may not be used in any manner that (1) discredits HUF LLC, USA Football, Inc., or its partners or affiliates or tarnishes any of their reputations or goodwill, (2) is false or misleading, including any mischaracterization of the relationship between HUF LLC and School, or (3) violates the rights of others or public policy.
- 6.2. School **may not** use, distribute, sell, license or create derivative works from any of HUF LLC's logos, marks, names or copyrighted or trademarked material (collectively, "HUF Marks"), including but not limited to graphic files and software available on HUF LLC or USA Football's web site(s), or allow any third party to do any of the foregoing.
- 6.2.1 If School desires a limited, revocable, non-exclusive right to use HUF Marks to display on School's website and paper collateral, such as registration materials, programs and brochures, as well as on banners, flags, coach credentials, merchandise, or apparel, school may execute the Heads Up Football Declaration of Compliance (the "Declaration").

- 6.2.2 Upon verification that the Declaration is correct and meets the Heads Up Football High School standards, School may call itself a “2017 Heads Up Football High School” (and if a School District and all schools within the District qualify as “2017 Heads Up Football High Schools”, the district may call itself a “2017 Heads Up Football District”) and HUF LLC will send School digital files and a license to use the 2017 HUF Mark (the “HUF License”) which is incorporated into this Agreement in its entirety. Use of HUF marks shall be subject to the terms of the License, this Agreement, and any limitations communicated by HUF LLC at any time and may be suspended, revoked or terminated by HUF LLC at any time for any reason.
- 6.3. HUF LLC represents and warrants that it has full right and title to the HUF Marks and a license to use the USA Football Marks and is authorized to license their usage as contemplated by this Agreement.
- 6.4. Any breach of the terms of this Section 6 constitutes a material breach of this Agreement and may result in termination of this Agreement.
7. **Hold Harmless.**
- 7.1. HUF LLC holds School harmless and releases it from all claims arising out of HUF LLC’s negligent acts or omissions.
- 7.2. School holds HUF LLC harmless and releases it from all claims arising out of School’s negligent acts or omissions or operations, including operation of its football program and implementation of the Heads Up Football educational resources and services.
8. **Compliance.** Each party hereto understands, acknowledges and agrees that it will comply with all laws, regulations and other legal standards applicable to its performance under this Agreement, including but not limited to any laws or regulations regarding student participation in a sport or athletic contest and establishing or adhering to concussion, hydration or cardiac arrest protocols. Each party will exercise due care and act in good faith at all times in its performance under this Agreement and its delivery of football games, practices, events or other programs.
9. **No Warranties.** SCHOOL AGREES THAT ITS USE OF THE SERVICES SHALL BE AT ITS SOLE RISK. TO THE FULLEST EXTENT PERMITTED BY LAW, THE HUF LLC PARTIES DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OR CONDITIONS OF TITLE OR IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH THE SERVICES AND SCHOOL’S USE THEREOF. THE HUF SERVICES AND THE RELATED SOFTWARE ARE PROVIDED ON AN “AS IS”, “AS AVAILABLE” BASIS.
10. **Miscellaneous.**
- 10.1. **Entire Agreement.** This Agreement constitutes the entire agreement between School and HUF LLC and replaces all prior agreements (whether oral or written) between the parties relating to such subject matter. This Agreement may not be revised, amended or modified unless both parties agree to such revision, amendment or modification.
- 10.2. **Severability.** Except as otherwise expressly provided in this Agreement, if any term, provision, covenant or condition of this Agreement is held by a court of competent

jurisdiction to be invalid, void or unenforceable, the remainder of the provisions shall remain in full force and effect and shall in no way be affected, impaired or invalidated, unless such invalidity, voidness or unenforceability materially alters the purposes of this Agreement.

- 10.3. **Relationship.** HUF LLC and School are separate entities and do not create an association. Nothing in this Agreement shall constitute or be deemed to constitute HUF LLC, on the one hand, and School on the other, as partners, joint venturers or principal and agent. Neither party has the authority to enter into any agreements or contracts on behalf of the other or to bind the other party in any way, and shall not represent, either explicitly or implicitly, that it possesses any such authority.
- 10.4. **Assignment; Successors and Assigns.** No party may assign any of its rights or delegate any of its obligations under this Agreement without the prior written consent of the other. Subject to the foregoing, this Agreement shall be binding upon and inure to the benefit of and be enforceable by the parties and their respective successors and permitted assigns.
- 10.5. **Waivers.** No delay on the part of any party in exercising any right, power or privilege under this Agreement shall operate as a waiver thereof, nor shall any waiver on the part of any party of, nor any single or partial exercise of, any right, power or privilege under this Agreement preclude any other or further exercise of such right, power or privilege or the exercise of any other right, power or privilege under this Agreement.

School's signatory warrants that he or she has the express authority to bind School to the terms and conditions of this Agreement set forth above.

By: _____

Name: _____

Title: _____

Date: _____

[OPTIONAL]
HEADS UP FOOTBALL DECLARATION OF COMPLIANCE

Name of School: _____

Number of coaches (including both staff and volunteer): _____

Number of coaches who completed each of the four modules of the HUF Online Coach Certification Course in 2017:

- (1) Football specific content, including Heads Up Tackling®, Heads Up Blocking®, and equipment fitting: _____
- (2) Heat and hydration: _____
- (3) Sudden cardiac arrest: _____
- (4) Concussion education: _____

Name of School's Player Safety Coach: _____

Date Player Safety Coach attended Player Safety Coach Clinic: _____

Location of Player Safety Coach Clinic: _____

I declare to the best of my knowledge and belief, the foregoing is true, correct and complete.

By: _____

Name: _____

Title: _____

Date: _____

After this declaration has been verified to meet the Heads Up Football High School standards, HUF LLC will send School a digital file of the 2017 Heads Up Football Mark and a license to use the 2017 Heads Up Football Mark and 2017 Heads Up Football High School designation.



June 26, 2017

Board Item - J.-1.

Issue:

Agreement.

Superintendent's Recommendation:

Approve Agreement between Pearson-Vue and the Division of Adult Education, Chula Vista Adult School, for General Educational Development (GED) testing, for the period of July 1, 2017, through June 30, 2018.

Analysis:

In 1968, the Division of Adult Education began offering GED testing to its students. General Educational Development (GED) tests are a group of four subject tests which, when passed, certify that the test taker has high school level academic skills. Passing the GED test gives those who did not complete high school the opportunity to earn their high school equivalency credential in the majority of the United States, Canada or internationally. The GED Testing Services is a joint venture of the American Council on Education and Pearson Publishing. Pearson is the sole developer for the GED test. The test is taken on computer and in person.

In addition, Pearson-Vue offers additional certification exams such as the RICA, CSET, CBEST, CompTIA and Cisco, which are in demand by district students and the community.

The new contract with Pearson-Vue will allow the Division of Adult Education to operate a computer-based testing service and will extend the GED testing service as well as offer additional Pearson-Vue exams through June 2018. Pearson-Vue will not process the lease of required assessment resources without a signed contract.

For questions regarding this board item, please contact Dr. Joe Fulcher at (619) 691-5564 or joe.fulcher@sweetwaterschools.org.

Fiscal Impact:

The Division of Adult Education has allocated \$160,000 for the Testing program. The testing service fees collected offset the majority of the GED/Pearson-Vue program

costs.

Testing Agreement with Pearson-Vue:

Income: \$160,000

Expenses: \$160,000

ATTACHMENTS:

Description	Type
 Pearson Vue Agreement	Backup Material

Pearson VUE Authorized Center Agreement

PVTC Academic Amendment

Site ID _____

Site Name CHULA VISTA ADULT SCHOOL

Company Name CHULA VISTA ADULT SCHOOL
Street Address 1034 FOURTH AVE
City CHULA VISTA State CA Country UNITED STATES Postal Code 91911

Amendment to Pearson VUE Authorized Center Agreement ("Agreement") as executed between the parties ("PVTC Academic Amendment"). If there is a conflict between the Agreement and/or the Guides and/or PVTC Academic Amendment, PVTC Academic Amendment will supersede respectively. Company and Pearson VUE agree that the Agreement is amended as follows:

GENERAL TERMS AND CONDITIONS

1. Section 6 entitled "Insurance Coverage" is deleted in its entirety and replaced with the following:

"6. Insurance Coverage

Company is self-insured and Pearson VUE understands that Company participates in a formal self-insurance program to fund the potential legal liability associated with those exposures that may otherwise be covered by Commercial General Liability Insurance."

2. Section 10 entitled "General Provisions", Subsection (b) is deleted in its entirety and replaced with the following:

"(b) This Agreement will be governed by and construed and enforced in accordance with the laws of the state of where PVTC is located in the United States. If any provision of this Agreement is found to be invalid, illegal or unenforceable in any respect, the court may modify such provision to make it valid, legal, and enforceable. All remaining provisions of this Agreement shall remain in full force and effect."

3. Section 10 entitled "General Provisions", Subsection (g) the last sentence is deleted in its entirety and shall now read as follows:

"(g) Company warrants that its performance under this Agreement will not compromise any relationships or create a conflict of interest for Company, nor, to the best of Company's knowledge and belief, for Pearson VUE or any other party. Company will notify Pearson VUE of any potential conflicts of interest. Company further warrants that its Services under this Agreement will be performed in accordance with all applicable United States federal, state, and local laws and regulations, and with all applicable laws and regulations in the country where the PVTC is located. These laws include, but are not limited to, laws governing international business, trade embargoes, boycotts, import and export administration, bribery and corruption, housing and health, processing or transmission of personal data, laws guaranteeing nondiscrimination against persons based on sex, race, creed, physical disability or other protected category. In addition, Company warrants that all software used in performing its obligations under this Agreement will have been legally obtained from legitimate sources."

4. Section 10 entitled "General Provisions", Subsection (h) is deleted in its entirety and replaced with the following language:

"(h) This provision shall not be construed to limit Company's rights, claims or defense which arise as a matter of law pursuant to any provisions of this Agreement, including but not limited to any claim or defense to the fullest extent permissible by law, Company will indemnify, defend and hold Pearson VUE harmless against, all claims or demands of any nature brought by others against Pearson VUE, (including, but not limited to, reimbursement of reasonable costs incurred

Pearson VUE Authorized Center Agreement

by Candidates scheduled but unable to take a Test), unless and to the extent the failure to test is due to the fault of Pearson VUE, the Candidate, the Sponsor or Force Majeure, which may arise from alleged or actual acts, representations, or omissions which, if proven, would constitute Company's breach of its duties under this Agreement."

5. Section 10 entitled "General Provisions", Subsection (i) is deleted in its entirety and replaced with the following language:

"(i) This provision shall not be construed to limit Company's rights, claims or defense which arise as a matter of law pursuant to any provisions of this Agreement, including but not limited to any claim or defense to the fullest extent permissible by law, Company will indemnify, defend and hold Pearson VUE harmless against any liability for injury or damage caused by Company to persons or property during the performance of this Agreement and all claims of loss or damage arising from Company's or Candidate's use of the PVTCT. Neither the existence of, nor the assent of Pearson VUE to, the types or limits of insurance carried by Company will be considered a waiver or release of Company's liability or responsibility under this Agreement."

6. Section 10 entitled "General Provisions", Subsection (n) is deleted in its entirety.

SOFTWARE LICENSE

1. Section 6 entitled "Termination" is deleted in its entirety and replaced with the following:

"6. TERMINATION

If Company attempts to sell, remove, duplicate without authorization, transfer, encumber, part with possession of, or sublet the Software, or any portion thereof, or any modification or version thereof; or upon discontinuance of the use of the Software by Company, the Software License granted by this Agreement shall terminate automatically and all copies of the Software and documentation (in any medium and including summaries, notes and the like) shall be immediately returned to Pearson VUE at Company's sole cost and expense. Upon termination for any reason by either party, and within ten days of such termination, all copies of the Software and documentation (in any medium and including summaries, notes and the like) shall be returned to Pearson VUE by Company without delay by delivering all such items to Pearson VUE's place of business, complete and in good order and condition. If Company fails to return such materials, Pearson VUE may take such action as may be reasonably necessary to recover such materials and Company shall reimburse Pearson VUE's."

2. Section 7 entitled "Liability" is deleted in its entirety and replaced with the following:

"7. LIABILITY

Company, having possession of and control over the Software, shall be responsible for its use, operation, storage, management and safety. Consequently, except to the extent that damage or injury is caused by Pearson VUE's negligence or the intentional misconduct of Pearson VUE's employees, Company assumes the risk and sole responsibility for damage or injury to equipment, Software, personal property or to third parties caused by Company's use or possession of the Software, and Company shall be obligated to protect itself against any such occurrences, including claims by Company's employees or any other persons or organizations with which Company does business, all at Company's sole cost and expense."

3. Section 8 entitled "Pearson VUE Remedies" is deleted in its entirety and replaced with the following:

"8. PEARSON VUE REMEDIES

It will be a default and breach of the Agreement if Company fails to perform any of its obligations under this Software License, or if Company becomes insolvent or makes any assignment for the benefit of its creditors, or if any proceeding under the bankruptcy laws or comparable statute is commenced by or against Company, or a writ of attachment or execution is levied on any item of the Software and such proceeding is not terminated or such writ is not satisfied or released within 15


Pearson VUE Authorized Center Agreement

days after attachment of levy. On Company's default, Pearson VUE at its sole option may require Company to return any or all copies of the Software and documentation (in any medium and including summaries, notes and the like) or pursue any other remedy at law or in equity. Any taking of possession of the Software shall not release Company from any of its obligations hereunder unless Pearson VUE, or its assignee, notifies Company in writing. If it is necessary for Pearson VUE to enforce this Software License or any of its terms, Company shall pay all costs related to such enforcement."

EXHIBIT A

1. Section entitled "Commercial General Liability Insurance Limit" is deleted in its entirety.

Except as provided in this Amendment, all terms and conditions of the above referenced Agreement and Guides will remain in full force and effect.

Company
Signature 
Name Albert G. Alt
Title Chief Financial Officer
Date 5-16-13

NCS Pearson, Inc.
Signature _____
Name _____
Title _____
Date _____

Pearson VUE Authorized Center Agreement

Company Commercial Name _____
Company Legal Name CHULA VISTA ADULT SCHOOL
Street Address 1034 FOURTH AVE
City CHULA VISTA State/Province CALIFORNIA
Country UNITED STATES Postal Code 91911
Phone 619-796-7010 Fax 619-796-7011
("Company")

Will there be a PVTC at the above address? Yes ☒ No ☐. If "No" skip to the signature blank information below, and also complete all PVTC information on Exhibit B.

On-site Technical/Installation Contact Name ROY JAKEL
Phone 619-796-7000 Email Address ROY.JAKEL@Sweetwaterschools.org
PVTC Administrator Contact Name Sara Garcia-Salgado
Phone 619-796-7010 Email Address Sara.garcia-salgado@Sweetwaterschools.org
Accounting Contact Name Lilian Flores
Phone 619-796-7009 Email Address Lilian.Flores@Sweetwaterschools.org
Address 1034 FOURTH AVE
City CHULA VISTA State/Province CALIFORNIA
Country UNITED STATES Postal Code 91911
Country _____ Postal Code _____ Web Address _____

NCS Pearson, Inc., with offices located at 5601 Green Valley Drive, Bloomington, MN 55437-1099 ("Pearson VUE"), contracts for and Company agrees to provide the facilities and services of a testing center in accordance with this PVTC Agreement and any attached Exhibits, including but not limited to Exhibit A and Exhibit B, if applicable, which are incorporated in and made a part of this Pearson VUE Authorized Center Agreement ("Agreement").

Company acknowledges it has read, understands and is bound by this Agreement.

Signature _____

Print Name Albert G. Alt

Title CFO Date 5-16-13

Email Address albert.alt@sweetwaterschools.org

NCS Pearson, Inc.

Signature _____

Print Name _____

Title _____ Date _____

Site ID # _____

(Pearson VUE INTERNAL USE ONLY)

Pearson VUE Authorized Center Agreement

OBJECT OF THE AGREEMENT

Pearson VUE is in the business of contracting to provide various services for the benefit of organizations known as Sponsors which have established certain levels of education, training and/or testing experience necessary to qualify for a specified certification or other form of recognized position, title or status. Sponsors require that dependable, high quality, secure, and uniform testing be available to be delivered electronically throughout the world. Pearson VUE furnishes testing services to Sponsors by contracting with companies which provide one or more testing centers. The testing centers provide a secure and uniform testing environment, high quality service and dependability.

Company is an organization which provides facilities for electronic testing. This Agreement sets forth the terms and conditions, responsibilities, rights and remedies which Company and Pearson VUE accept and intend to govern their relationship. Company will use Pearson VUE software and applications appropriately, operate its PVTC(s) responsibly, deliver the electronic Tests successfully, and upload Candidate results proficiently. Company shall perform Services in accordance with this Agreement, which includes, but is not limited to, the Guide.

DEFINITIONS

1. DEFINITIONS

These definitions apply to this Agreement:

- a. **Administrator** – PVTC employee(s) who has been certified under Pearson VUE's Certified Administrator Program.
- b. **Agreement** – This PVTC Agreement which includes the Guide, the Exhibits, Schedules and other related documents referred to herein.
- c. **Candidate** – An individual who registers for a Test.
- d. **Company** – The organization contracting with Pearson VUE to provide facilities for the electronic delivery of Tests.
- e. **Effective Date** – The date Pearson VUE signs and dates this Agreement.
- f. **Enhanced Equipment** – Signature pad, digital camera, camera stand, or any additional equipment as required by Pearson VUE for delivery of Tests by Company.
- g. **Guide(s)** – Pearson VUE Authorized Test Center Policies and Procedures Guide; PVTC Policies and Procedures Guide; Regulatory Policies and Procedures Guide; and Exam Sponsor Procedures for Pearson VUE Authorized Test Centers and Regulatory Exam Sponsor Documentation, all of which are inclusive, and, that set forth the testing policies and procedures, the Sponsors' requirements, and explains the use of Pearson VUE's applications. The Guides will change at Pearson VUE's sole discretion upon reasonable notice to Company. The Guides and changes to the Guides shall be found at <https://vss.pearsonvue.com>, or other site as communicated by Pearson VUE in writing. If there is a conflict between this Agreement and the Guide with respect to a nonmaterial change, the Guide(s) will govern. There may be additional Guides that set forth policies and procedures that Company is required to follow. Pearson VUE's Policies and Procedures manual that sets forth the testing policies and procedures, the Sponsors' requirements, and explains the use of Pearson VUE's applications.
- h. **Mobile Site** – PVTC that is not a fixed location and is furnished by Company for delivery of electronic testing.
- i. **PVTC** – The facilities furnished by Company for delivery of electronic testing.
- j. **RMA** – Pearson VUE Remote Maintenance Agent software that allows for the transfer of data (registrations, Tests, scores) to and from Pearson VUE.
- k. **Services** – Those actions and obligations which are to be performed by Company as specifically described in this Agreement.
- l. **Site Manager** – Pearson VUE software application that provides Candidate scheduling and site information.
- m. **Software** – All or any part of Pearson VUE owned proprietary software or non-restricted third party software, including any updates and related documentation thereto, that is licensed or sublicensed to Company.
- n. **Sponsor** – Organizations which have established certain levels of education, training and/or testing experience necessary to qualify for a specified certification or other form of recognized position, title

Pearson VUE Authorized Center Agreement

- or status and who have contracted with Pearson VUE to provide electronic testing services to Candidates who are seeking to demonstrate those qualifications.
- o. **System** – Pearson VUE's computerized system, Software and applications designed for registration, scheduling, delivery of Tests and testing. The System includes the Software, test drivers, test files, documentation and other related materials and information as specified and described in this Agreement including any documentation made a part of this Agreement.
 - p. **Test** – A computer administered exercise, authorized by a Sponsor, designed to examine a Candidate's progress or test qualification or knowledge.

RESPONSIBILITIES OF THE PARTIES

A. COMPANY RESPONSIBILITIES

1. READINESS FOR TEST DELIVERY

To begin offering testing to Candidates at the earliest possible date, Company agrees to make every effort to see that all elements of its PVTC are installed and the PVTC is fully ready for Test delivery within 30 days from receipt of the installation kit. If the PVTC is not installed within 30 days, or as otherwise mutually agreed upon in writing, Pearson VUE will have the immediate right to terminate this Agreement.

2. PVTC OPERATIONS

- a. Company will (i) furnish facilities and Services including, but not limited to, furnished building(s), testing equipment, facilities management, Candidate orientation, Test delivery, and daily system backup to provide testing for a variety of Candidates and Pearson VUE's Sponsors and (ii) operate its PVTC, all in accordance with this Agreement and the requirements of the most recent version of the Guide. Further, Company will comply with the Software License in this Agreement.
- b. PVTC may be located at Company's street address indicated on the signature page of this Agreement and/or the additional location(s) shown on Exhibit B, if applicable, which may be attached to this Agreement by the mutual written agreement of the parties. Each PVTC will be operated and equipped as required in this Agreement and the Guide. Company must notify Pearson VUE in writing at least 30 days in advance of any intended relocation of a PVTC or for any name change.
- c. Subject to Sponsor's and Pearson VUE's approval, Company will deliver Tests as authorized by Pearson VUE.
- d. Company must have a minimum of one PVTC Administrator certified and trained for Test delivery at all times. An Administrator must pass a Pearson VUE required certified administration certification exam and recertify **annually**, maintain strict security, follow all instructions from Pearson VUE, and adhere to the Rules of Conduct and Certification Agreement. Administrator is responsible for fulfilling all duties associated with the operation of the PVTC in accordance with the Guide.
- e. Sponsors prohibit PVTC Administrator's serving as a PVTC Administrator for a Test that they hold a Sponsor certification or will be taking a Sponsor certification. Consult the Exam Sponsor Guide for specific Sponsor requirements and restrictions, including but not limited to, Cisco and Adobe. One such example is an Administrator shall not administer a Cisco exam if they hold a Cisco certification or are a Cisco certified instructor, including those that intend to pursue such certification.
- f. Company will establish and regularly update through the Pearson VUE Site Manager, a listing of PVTC employees. Company must notify Pearson VUE any time a certified Administrator is added or deleted.
- g. Company will provide and continually update its own testing availability schedule using Pearson VUE'S Site Manager. PVTC(s) will be open during the business hours Company establishes for testing.
- h. If Company anticipates changing its time(s) and/or date(s) of Test delivery, Company is responsible for determining whether there are any Candidates scheduled during that time(s) and/or date(s), and making the necessary arrangements to deliver such Tests or to reschedule such Tests accommodating Candidate's requests. All such accommodations must be undertaken immediately to the complete satisfaction of the Candidate.
- i. Company will regularly check the Pearson VUE website and run the PVTC Report Card report detailing Candidate feedback on their testing experience. Company will make every effort to improve areas that do not meet Pearson VUE's criteria.

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- j. Company will continuously monitor Candidates during the entire testing process by having the Administrator be able to view all Candidates directly, or by video, **at all times**. The Administrator must be aware of all activities in the test room and be alert for any misconduct. Further, Company will not facilitate and will discourage any actions by Candidates that could be construed as cheating and will not allow any Candidate to copy or misuse the Systems or Software, applications, and any related Test materials or documentation.
- k. Within 24 hours of delivery of any Test at either a fixed or mobile PVTC, Company will report the results to Pearson VUE by running RMA software provided by Pearson VUE in accordance with the Guide.
- l. Pearson VUE, its authorized representatives, or any Sponsor whose Tests are being administered at the PVTC, may periodically inspect and audit the PVTC operations and records during testing hours without advance notice. Company Administrators will cooperate fully with all such inspections and allow complete access to the PVTC and all equipment, software, systems and records. Company will refer any questions about the inspection to Pearson VUE Support Services. Pearson VUE may integrity shop or audit PVTC, one or more times during each year. Company understands that it will receive no Test delivery or registration compensation for such integrity shop.
- m. Company will provide Pearson VUE with remote access to the administrator workstation and/or testing server for the purpose of recovering Test results and related records and supporting or auditing the system, except where explicitly prohibited by law.
- n. Company will maintain strict security in the storage and distribution of the Systems or Software and any copies to protect the copyright and/or trade secret rights therein, and not provide, permit access to or otherwise make available, the Systems or Software, documentation or related materials (or copies, summaries, notes or modified versions thereof), to any other party or for any other use.
- o. Enhanced Equipment shall be used exclusively to provide and promote Pearson VUE testing services at Company. Enhanced Equipment is not to be moved from designated Company or PVTC without Pearson VUE's prior express written consent, as long as this Agreement is valid. Company understands and agrees that Company owns the Enhanced Equipment as described in this Agreement. Notwithstanding anything contained in the Agreement, in no event will any of Pearson VUE's proprietary Software, printed materials, processes, databases, confidential information, enhancements to such information or software, materials, and related information and equipment become the property of Company and the same are expressly excluded from any transfer of ownership, or other arrangement, under the Agreement. Any changes or modifications to the Pearson VUE software or materials suggested or provided by Company are hereby assigned by Company to Pearson VUE, and Pearson VUE will own solely all rights, title, and interest, including copyrights, in such changes and modifications. Company understands and agrees that it will, at Company's expense, keep and maintain Enhanced Equipment in good working order, repair and appearance, and make or arrange any and all necessary repairs and replacements thereto in order that Enhanced Equipment will continue to fulfill its intended function or use. Should any Enhanced Equipment be damaged for any reason, and be capable of repair, Company will promptly repair the same at Company's expense or replace the Enhanced Equipment.

3. PVTC SPECIFICATIONS

To provide for Candidate's testing needs and meet the Sponsors' requirements, PVTC will meet or exceed the minimum specifications in the Guide and Company will:

- a. Provide a clean, comfortable, and professional environment conducive to testing Candidates which is free of distractions.
- b. Maintain a quiet Test environment by turning off or not using equipment such as printers, fax machines, copiers, and telephones while testing is in progress.
- c. Provide adequate lighting, ventilation and comfortable seating and work surface for Candidate's comfort during the testing session.
- d. Provide adequate storage for such personal belongings as pagers, note paper, books, briefcases and the like, that Candidates cannot take into the testing room.
- e. Provide access to testing services by disabled persons at least to levels required by the Americans with Disabilities Act or similar laws in force in the country where the PVTC is located.

4. CANDIDATE TESTING SPECIFICATIONS

- a. Company will monitor and administer the delivery of Tests as specified in the Guide.
- b. Company will make all reasonable efforts to resolve Candidate problems, questions or issues, but will not counsel a Candidate on Test content.

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- c. Company will complete check-in and/or check-out procedures as set forth in the Guide.
 - d. Pearson VUE furnished Test exhibits and/or erasable noteboards, (if required) will be given to Candidates before testing begins and will be collected at the end of the Test. Company will keep the exhibits and/or erasable noteboards in good condition and use its best efforts to prevent loss or theft of any such exhibits, including compact disks, and/or erasable noteboards.
 - e. Company will provide each Candidate with a score report upon completion of the testing session, if applicable.
 - f. Company must open a PVTC Incident in accordance with Pearson VUE's procedures provided in the Guide, or when an unusual situation occurs, including, but not limited to, any cheating, copying or misuse of any Systems or Software, applications and any related Test materials or documentation. Incidents are created using the Pearson VUE Support Services Web page. In addition, Company shall call Pearson VUE Support Services immediately upon discovery of any cheating, copying or misuse of any Systems or Software, applications and any related Test materials or documentation and/or theft or misplacement of any confidential information or materials (exhibits, software, applications and the like) as well as any computer media or hardware.
5. **PVTC SYSTEM SPECIFICATIONS**

This Agreement incorporates the then-current technical and system requirements for PVTC sites, located at the following link http://www.pearsonvue.com/pvtc/technical_reqs.pdf, or other site as communicated by Pearson VUE in writing. Company agrees to meet the system requirements and specifications for testing stations, administrator station, shared file storage, software licenses, virus prevention, internet access, backups, printers and other peripherals as provided in the most recent revision of the Guide. Company understands and hereby acknowledges that such incremental enhancements of hardware and software are inherent and essential to the provision of electronic test delivery services and that the system requirements and specifications required at the PVTC will change periodically, in response to Sponsor's and/or Pearson VUE's need to maintain industry standards. Company agrees to update its hardware and software to meet or exceed such requirements.

6. **TEST FEES**

Sponsors determine the maximum testing fees for each of their Tests. Company will not collect from Candidates a sitting fee, administration charge, or any other fee, payment, cost, or charge over and above the testing fee determined by Sponsor, except for a country-wide or regional value added tax (VAT) pursuant to the laws of the applicable jurisdiction.

B. **PEARSON VUE RESPONSIBILITIES**

1. **SUPPORT MATERIALS**

Pearson VUE may provide the Tests, operating procedures, Test Administrator training and support for the operation of the PVTC. Pearson VUE may furnish testing exhibits (written and electronic), if any, to Company. Pearson VUE will furnish training materials to Company to provide training to Company's Test Administrators.

2. **CANDIDATE SCHEDULE**

Pearson VUE will electronically provide Company with a daily Candidate Schedule.

3. **INCIDENT REPORTING SYSTEM**

Pearson VUE will provide a browser accessible incident reporting system and report card data.

GENERAL TERMS AND CONDITIONS

1. **TERM**

The term of this Agreement ("Term") will commence on the Effective Date and will expire twelve months after the Effective Date, unless terminated earlier as provided in this Agreement. Following the initial Term, this Agreement will automatically renew on the same terms and conditions for successive periods of one year each, unless terminated earlier as provided in this Agreement. Nothing in this Agreement shall be interpreted as requiring either party to renew or extend this Agreement.

2. **SUSPENSION / DEACTIVATION**

If Pearson VUE determines, or has a reasonable basis to believe that Company, or its representatives, have committed or permitted misconduct or failed to comply with responsibilities, specifications, technical specifications, or other requirements in this Agreement or the Guide, Pearson VUE may suspend testing until it is resolved to Pearson VUE's satisfaction.

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3. TERMINATION / DEAUTHORIZED

- a. Either party may terminate this Agreement without cause by giving the other at least 30 days prior written notice. For any actual or threatened breach of this Agreement, or with cause of any kind, Pearson VUE may immediately terminate this Agreement. Termination will be in addition to any other remedies either party may have.
- b. Subject to any right of set off or other remedy, termination will not affect: (i) payment for Services furnished prior to termination; (ii) Company's and Pearson VUE's compliance with this Agreement for Services actually furnished; or (iii) payment/reimbursement from Company to Pearson VUE for any Candidate Testing Fees collected or vouchers purchased by Company from Pearson VUE.
- c. If Company subcontracts, sells, or otherwise transfers or assigns, Company's business, or any part thereof, including responsibility for the Services described in this Agreement, without Pearson VUE's prior written consent, Pearson VUE may, in its sole discretion, temporarily suspend testing, and immediately terminate this Agreement.
- d. Notwithstanding any provision contained in this Agreement to the contrary, a party to this Agreement may immediately terminate this Agreement, upon written notice to the other party in the event that the other party makes an assignment for the benefit of its creditors; is unable to pay its debts as they become due; files a voluntary petition in bankruptcy; is adjudicated to be a bankrupt or an insolvent debtor; files a petition seeking for itself any reorganization; or consents to or acquiesces in the appointment of a trustee, receiver or liquidator. In the event a proceeding seeking involuntary reorganization, or similar relief is filed against one of the parties to this Agreement, which is not dismissed within one (1) month after filing, or if any trustee, receiver or liquidator of a party or any substantial part of a party's business assets, or properties is appointed without the party's consent or acquiescence and such appointment is not vacated within one (1) month after such appointment, then in such event, the other party shall have the right to terminate without notice.
- e. At the expiration or termination of this Agreement, Company agrees to abide by the expiration or termination steps in the Guide.

4. CONFIDENTIALITY

Company acknowledges and agrees that: (a) confidentiality and security of Tests, exhibits and other materials related to Tests, and other materials related to Sponsor's standards, requirements and testing is highly confidential to Sponsor and to Pearson VUE; and (b) information and data identifying or describing Candidates, Candidates' scores and performance, Candidates' participation in testing and other information relating to each Candidate is private, confidential information of Candidate and is highly confidential to Candidate, Sponsor and Pearson VUE; and (c) the System, software, applications, Test files, manuals, the Guide, PVTC materials and related materials in any medium provided by Pearson VUE are private and confidential business information of Pearson VUE, and accordingly, Company will scrupulously maintain the security of the Tests, testing information and Candidate data and information described in (a) and (b) above, and will undertake all necessary and appropriate efforts, but never less than reasonable care, to protect the confidentiality of all of the information and materials described in this Section and to prevent any unauthorized use or disclosure. Confidential information also includes other information that should reasonably have been understood because of legends or other markings, the circumstances of disclosure, or the nature of the information itself, to be confidential information. Confidential information shall expressly include any and all information derived from a party's proprietary information and the terms and conditions of this Agreement. Pearson VUE's confidential information shall include any software provided hereunder. No information or materials provided under and pursuant to this Agreement will be used, disclosed or permitted to be used by Company for any purpose not expressly provided for in this Agreement. Company acknowledges and agrees that the requirements set forth in this Section are of the most critical importance to Pearson VUE, Sponsors and Candidates and that any breach will likely result in severe damage. Each party acknowledges that it acquires only the right to use the confidential information of the other party under the terms and conditions of this Agreement for as long as this Agreement is in effect and does not acquire any rights of ownership or title in the confidential information. Each party agrees not to use such confidential information for any purpose not reasonably required by this Agreement. The requirements of this Section are perpetual and will survive the termination or expiration of this Agreement for any reason.

Notwithstanding anything herein, either party may disclose confidential information to the extent required or compelled by a court order, or local, state or federal law, or regulation, provided that the

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disclosing party, using best efforts, gives the other party written notice of the proposed disclosure with sufficient time to seek relief and that such disclosure, if made, is made in a fashion to maximize the protection of the confidential information from further disclosure.

Company recognizes and acknowledges that any use or disclosure of any confidential information by Company in a manner inconsistent with the provisions of this Agreement may cause Pearson VUE irreparable damage for which remedies other than injunctive relief may be inadequate, and Company agrees that in any request by Pearson VUE to a court of competent jurisdiction for injunctive or other equitable relief seeking to restrain such use or disclosure, Company will not maintain that such remedy is not appropriate under the circumstances. The parties further agree that in the event such equitable relief is granted in the United States, they will not object to courts in other jurisdictions granting provisional remedies enforcing such United States judgments.

5. **USE OF MARKS, ETC.**

Company may use or make reference to Pearson VUE or any trade names, trademarks, service marks, logos or other designations of Pearson VUE only to the extent and in the manner which is expressly provided for in writing by Pearson VUE, which will be subject to modification or rescission by Pearson VUE at any time. All use which is not in the exact manner provided by Pearson VUE will be submitted to Pearson VUE for prior approval in writing before any publication thereof. Use by Company of any trade names, trademarks, service marks, logos or other designations of Sponsors will be strictly subject to express prior written permission of the Sponsor or Pearson VUE. Upon expiration or termination of this Agreement, Company will cease any reference to Pearson VUE permitted by this Agreement and any reference to, or use of, any Pearson VUE trade names, trademarks, service marks, logos or other designations.

6. **INSURANCE COVERAGE**

a. **General Liability**

During the Term, and any renewals or extension, Company will maintain a Commercial General Liability Insurance policy with a combined limit for each occurrence of at least \$1,000,000 USD. The policy will include Pearson VUE as an additional insured.

b. **Evidence of Insurance**

Prior to commencing any performance under this Agreement, Company will provide Pearson VUE with a standard Certificate of Insurance as evidence that the insurance coverage required herein is in full force and effect. If any such insurance renews or is terminated during the Term, Company will provide Pearson VUE with evidence that such coverage has been renewed or replaced with insurance that complies with these provisions.

c. **Insurers, Policies**

All policies of insurance required of Company hereunder will be issued by financially responsible insurers, and all such insurers must be acceptable to Pearson VUE. Such acceptance by Pearson VUE will not be unreasonably withheld or delayed.

7. **LIABILITY**

Notwithstanding anything contained in this Agreement, in no event shall Pearson VUE be liable to Company for any incidental, consequential, special, exemplary or other indirect damages, or for lost profits, lost revenues, or loss of business arising out of this Agreement, regardless of the cause of action, even if Pearson VUE has been advised of the likelihood of damages. Pearson VUE's aggregate liability for any claim arising under this Agreement shall not in any event exceed an amount equal to the Test delivery and registration fees paid by Pearson VUE to Company during the twelve months preceding the date of the claim.

8. **EXCLUSION OF WARRANTIES**

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THERE ARE NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A SPECIFIC PURPOSE. SOFTWARE PROVIDED BY PEARSON VUE IS NEITHER WARRANTED NOR EXPECTED TO BE FREE FROM ERRORS.

9. **MONITORING PERFORMANCE**

Company hereby acknowledges and agrees that Pearson VUE may monitor Company's compliance with this Agreement directly, or through subcontractors, by using Candidates instructed to intentionally engage in activities requiring Company to perform certain functions as part of its obligations under this Agreement. Company authorizes either Pearson VUE, or Pearson VUE's subcontractors, to use Candidates for such purposes and further agrees that using such Candidates, either directly or through subcontractors, is a valid method of monitoring Company's compliance with this Agreement.

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10. GENERAL PROVISIONS

- a. Company may not assign, subcontract or otherwise transfer its rights or obligations under this Agreement without Pearson VUE's prior written consent. Any prohibited assignment will be void. Company will advise Pearson VUE promptly of any anticipated transfer or other material change in the status of Company or the PVTC. Subject to the foregoing limitations, this Agreement shall be binding upon and inure to the benefit of the parties and their respective heirs and assigns.
- b. This Agreement will be governed by and construed and enforced in accordance with the laws of the state of Minnesota, USA. Any action to enforce this Agreement will be brought in the State or Federal courts in Hennepin County, Minnesota, USA. If any provision of this Agreement is found to be invalid, illegal or unenforceable in any respect, the court may modify such provision to make it valid, legal, and enforceable. All remaining provisions of this Agreement shall remain in full force and effect.
- c. This Agreement shall not be deemed or construed to be modified, amended, rescinded, cancelled, or waived in whole or in part, except by written amendment duly executed by the parties hereto.
- d. This Agreement is the entire agreement of the parties and supersedes all prior oral or written proposals and communications related to this Agreement. Company acknowledges it has not been induced to enter into this Agreement by any oral or written representations or statements not contained in this Agreement.
- e. Neither party is responsible for failure to fulfill its obligations under this Agreement due to causes beyond its control and without its fault or negligence, provided that, as promptly as reasonably possible: (i) notice of any actual or anticipated failure is given; and (ii) such cause is eliminated and failure cured.
- f. Payment of Taxes
 - 1) Taxes on Sales by Company - Company has the sole responsibility for the collection and remittance of all applicable taxes (including any sales tax, use tax, value-added tax, consumption tax, goods and services tax, gross receipts tax and any other tax lawfully imposed on fees or other amounts associated with Company's sales transactions) based on any sales by Company, including the sale of Tests.
 - 2) Taxes on Fees paid by Pearson VUE to Company - It is Company's responsibility to invoice Pearson VUE, if Pearson VUE is required to pay any applicable tax on any fee Pearson VUE pays to Company under this Agreement, (including any sales tax, use tax, value-added tax, consumption tax, goods and services tax, gross receipts tax and any other tax lawfully imposed on fees or other amounts associated with Pearson VUE's payment of fees to Company).
- g. Company warrants:
 - (i) that its performance under this Agreement will not compromise any relationships or create a conflict of interest for Company, nor, to the best of Company's knowledge and belief, for Pearson VUE or any other party. Company will notify Pearson VUE of any potential conflicts of interest;
 - ii) that its Services under this Agreement will be performed in accordance with all applicable United States federal, state, and local laws and regulations, and with all applicable laws and regulations in the country where the PVTC is located;
 - (ii) it shall (a) conduct business in conformance with sound ethical standards of integrity and honesty and in compliance with all applicable laws; (b) conduct business in such a way as to not give the appearance of impropriety, even when the behavior or activity is in compliance with the law; (c) not achieve business results by illegal acts or unethical conduct; (d) comply with U.S. and local anti-bribery laws, such as the United States Foreign Corrupt Practices Act, United Kingdom Bribery Act, and other similar local laws; (e) prohibit the Company, its employees, agents and subcontractors (and all contractors of the Company) from offering, paying or authorizing financial or other advantage to be given to any official or employee of any government or political party, political candidates or employees of government enterprises (each, an Official) for the purposes of (1) obtaining a proper business advantage; (2) influencing such Official to take, or not to take, any action or decision; or (3) inducing such Official to use his or her influence to affect any act or decision of a government; and (f) provide employees and any contracted individuals engaged by a party with a work environment free of coercion and harassment. (These laws include, but are not limited to, laws governing international business, trade embargoes, boycotts, import and export administration, housing and health, processing or

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- transmission of personal data, laws guaranteeing nondiscrimination against persons based on sex, race, creed, physical disability or other protected category.);
- (iv) that all software used in performing its obligations under this Agreement will have been legally obtained from legitimate sources; and
 - (v) Company will indemnify, defend, and hold Pearson VUE harmless from all claims of other parties for breach of these warranties in Subsections i-iv above.
- h. Company will indemnify, defend and hold Pearson VUE harmless against, all claims or demands of any nature brought by others against Pearson VUE, (including, but not limited to, reimbursement of reasonable costs incurred by Candidates scheduled but unable to take a Test), unless and to the extent the failure to test is due to the fault of Pearson VUE, the Candidate, the Sponsor or Force Majeure, which may arise from alleged or actual acts, representations, or omissions which, if proven, would constitute Company's breach of its duties under this Agreement.
 - i. Company will indemnify, defend and hold Pearson VUE harmless against any liability for injury or damage caused by Company to persons or property during the performance of this Agreement and all claims of loss or damage arising from Company's or Candidate's use of the PVTC. Neither the existence of, nor the assent of Pearson VUE to, the types or limits of insurance carried by Company will be considered a waiver or release of Company's liability or responsibility under this Agreement.
 - j. Any notice to be given under this Agreement will be in writing and will be deemed given and effective (i) when delivered personally, by fax, telex, or telecopier, or (ii) when received if sent by overnight express or mailed by certified, registered mail, postage prepaid, return receipt requested, addressed to a party at its address indicated on the signature page, or to such other address as such party may designate by written notice in accordance with the provisions of this Section. Email notice may be considered written notice if receipt of such notice is confirmed by reply email or other electronic means.
 - k. Company is an independent contractor under this Agreement and is not part of a partnership, employment, principal-agent, franchisor-franchisee or similar relationship with Pearson VUE.
 - l. If any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, the remaining provisions of this Agreement shall be enforced to the maximum extent possible.
 - m. Failure of either party to enforce its rights on one occasion will not operate as a waiver of said rights or any other rights on any other occasion.
 - n. The prevailing party in any legal proceedings arising out of this Agreement will be entitled to recover reasonable attorneys' fees and costs from the other party.
 - o. No Third Party Beneficiaries. This Agreement is solely for the benefit of the parties hereto and no provision of this Agreement shall be deemed to create any rights in, be deemed to have been executed for the benefit of, nor confer upon any other person or entity not a party hereto any remedy, claim, liability, reimbursement, cause of action or other rights.

SOFTWARE LICENSE

1. GRANT

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Pearson VUE Authorized Center Agreement

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Pearson VUE Authorized Center Agreement

Company Commercial Name _____
Company Legal Name CHULA VISTA ADULT SCHOOL
Street Address 1034 FOURTH AVE
City CHULA VISTA State/Province CALIFORNIA
Country UNITED STATES Postal Code 91911
Phone 619-796-7010 Fax 619-796-7011
("Company")

Will there be a PVTC at the above address? Yes ☒ No ☐. If "No" skip to the signature blank information below, and also complete all PVTC information on Exhibit B.

On-site Technical/Installation Contact Name ROY JAKEL
Phone 619-796-7010 Email Address ROY.JAKEL@Sweetwaterschool.org
PVTC Administrator Contact Name Sara Garcia-Salgado
Phone 619-796-7010 Email Address Sara.Garcia-Salgado@Sweetwaterschool.org
Accounting Contact Name Lilian Flores
Phone 619-796-1009 Email Address Lilian.Flores@Sweetwaterschool.org
Address 1034 FOURTH AVE
City CHULA VISTA State/Province CALIFORNIA
Country UNITED STATES Postal Code 91911
Country _____ Postal Code _____ Web Address _____

NCS Pearson, Inc., with offices located at 5601 Green Valley Drive, Bloomington, MN 55437-1099 ("Pearson VUE"), contracts for and Company agrees to provide the facilities and services of a testing center in accordance with this PVTC Agreement and any attached Exhibits, including but not limited to Exhibit A and Exhibit B, if applicable, which are incorporated in and made a part of this Pearson VUE Authorized Center Agreement ("Agreement").

Company acknowledges it has read, understands and is bound by this Agreement.

Signature [Signature]
Print Name Albert C. Alt
Title CFO Date 5/16/13
Email Address alt@chulavistaadultschool.org

NCS Pearson, Inc.

Signature [Signature]
Print Name Raymond Murray
Title Executive Director & Gen. Mgr Date 5/16/13
Pearson VUE

Site ID # _____

(Pearson VUE INTERNAL USE ONLY)



June 26, 2017

Board Item - J.-2.

Issue:

Agreement.

Superintendent's Recommendation:

Approve Agreement between Educational Testing Service (ETS) company and the Division of Adult Education, Chula Vista Adult School, for the ETS HiSET program, for the period of July 1, 2017, through June 30, 2018.

Analysis:

In 1968, the Division of Adult Education began offering GED testing, the only high school equivalency option. Educational Testing Service (ETS) and Iowa Testing Program (ITP), two highly respected nonprofit assessment organizations, have developed the ETS HiSET program, a national high school equivalency testing program. The HiSET program includes elements that are critical to providing out-of-school youth and adults with another opportunity to demonstrate their high-school level proficiency and their readiness for higher education or the workplace. The HiSET exam is offered on computer and paper. The HiSET program provides an accessible and affordable alternative to the GED.

The agreement authorizes the Division of Adult Education to contract with Educational Testing Service (ETS) to offer the HiSET at the Chula Vista Adult School Testing Center. ETS will not process the lease of required assessment resources without a signed contract. The Division of Adult Education will continue to offer GED testing.

For questions regarding this board item, please contact Joe Fulcher at (619) 691-5564 or joe.fulcher@sweetwaterschools.org.

Fiscal Impact:

The Division of Adult Education has allocated \$160,000 for the testing program. Adding HiSET as an alternative testing program will not increase program costs. The testing service fees collected offset the majority of the GED/HiSET program costs.

Testing Agreement with ETS:

Income: \$160,000

Expenses: \$160,000



June 26, 2017

Board Item - J.-3.

Issue:

Memorandum of Understanding.

Superintendent's Recommendation:

Approve the Memorandum of Understanding Phase II between the Workforce Innovation and Opportunity Act partners and the San Diego Workforce Partnership to ensure alignment and collaboration between the Division of Adult Education and the local priorities identified by the San Diego Workforce Partnership.

Analysis:

The Workforce Innovation and Opportunity Act (WIOA) requires that the Memorandum of Understanding Phase II be developed and executed between the San Diego Workforce Partnership and the Workforce Innovation and Opportunity Act partners to sustain resource sharing.

This Memorandum of Understanding will address service coordination and collaboration amongst the partners. It foregoes an agreement regarding the operations of the local one-stop system as it relates to shared services and customers.

For questions regarding this board item, please contact Dr. Joe Fulcher at (619) 691-5533 or joe.fulcher@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
☐ Workforce Innovation MOU	Backup Material

**San Diego Local Workforce Area
Workforce Innovation and Opportunity Act
Phase II Memorandum of Understanding**

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Required Phase II MOU Component: Process and Development

Local Workforce Development Area (Local Area): San Diego County

Date Submitted: (Due no later than 9/1/17.)

Attachment: Signed Phase I MOU

1. EFFECTIVE DATES AND TERM OF MOU

This MOU shall be binding upon each party hereto upon execution by such party and go into effect July 1, 2017. The term of this MOU shall be three years, commencing on the date of execution by all parties. The MOU will be reviewed not less than once every three years to identify any substantial changes that have occurred.

2. INFRASTRUCTURE AND OTHER SYSTEM COSTS FUNDING AGREEMENTS PARTNERS

CEO/s:

Scott Sherman, Councilmember, City of San Diego and Chair of the SDWP's Policy Board

Local Board/s:

San Diego Workforce Partnership

Currently Collocated AJCC Partners Participating in the Infrastructure Funding Agreement (IFA)

County of San Diego Health and Human Services Agency (HHSA) and/or contracted program operators

Employment Development Department

Department of Rehabilitation

Cornerstone

Temporary Assistance for Needy Families

Reality Changers

Able Disabled

Jewish Family Services

Job Corps

Grossmont Adult School

South County Economic Development Corporation

San Ysidro Health Centers

Service, Employment, Redevelopment

AJCC Partners Participating in the Shared Other System Costs Agreement:

N/A

3. PROCESS FOR MOU ESTABLISHMENT

After attending the CWA MOU Phase 2 training, SDWP chose to use a cost-allocation formula based on each partner's square footage occupancy and duration of use. SDWP then introduced the methodology at a meeting of all required WIOA partners and collocated partners on January 30th, where they could ask questions about the methodology. Partners were then given two weeks to provide feedback on the methodology and express their concerns. After incorporating partner feedback, the partners reached consensus on the cost allocation methodology.

4. CONFLICT RESOLUTION

All partners agree to establish and maintain a procedure for grievance and complaints as outlined in WIOA. The process for handling grievances and complaints is applicable to customers and partners. These procedures will allow the customer or entity filing the complaint to exhaust every administrative level in receiving a fair and complete hearing and resolution of their grievance. The partner further agrees to communicate openly and directly to resolve any problems or disputes related to the provision of services in a cooperative manner and at the lowest level of intervention possible.

5. MODIFICATION AND REVIEW PROCESS

This MOU constitutes the entire agreement between the parties and no oral understanding not incorporated herein shall be binding on any of the parties hereto. This MOU may be modified, altered, or revised, as necessary, by mutual consent of the parties, by the issuance of a written amendment, signed and dated by the parties. Both Phases of the MOU will again be reviewed and, if necessary, renegotiated once SDWP and our regional partners develop our Local Workforce Development Plan and Regional Workforce Development Plan to ensure that the MOU is properly aligned with the local priorities and strategies identified in both plans.

All non-collocated partners agree to pay their proportionate share of infrastructure costs as soon as sufficient data are available to make such a determination.

At the expiration of this contract after three years, SDWP will reconvene the required WIOA partners and the partners collocated in the AJCCs to examine what changes have occurred in the One-Stop system and how that impacts each partner's contributions to comprehensive AJCC infrastructure costs. SDWP will confirm the cost-sharing methodology and which AJCCs are comprehensive and then determine each AJCC's infrastructure costs, the partners collocated within them, and the contributions of those partners to infrastructure costs. At the same time, SDWP will also reconvene the non-collocated partners to re-evaluate their proportionate share of infrastructure costs.

6. REVISIONS TO INFRASTRUCTURE COSTS

SDWP will communicate to collocated partners any anticipated changes to their current infrastructure cost contributions because of Phase II of the MOU and allow them a minimum of 30 days to decide whether they would like to continue their lease at the comprehensive AJCC.

Required Phase II MOU Component: Sharing Infrastructure Costs

Budget, Cost Allocation Methodology, Initial Proportionate Share

The Local Board and AJCC partners have chosen this option for developing the infrastructure cost budget:

 X Option 1: A separate budget for each comprehensive AJCC.

 Option 2: A consolidated system-wide budget for the network of comprehensive AJCCs

Comprehensive AJCC(s) and Collocated Partners

As outlined in Phase 1 of the MOU, a comprehensive AJCC is one that provides universal access to the full range of employment services, training and education, employer assistance, etc. In other words, a comprehensive AJCC is a physical location where job seekers and employers have access to the programs, services, and activities of all the required AJCC partners. The San Diego Local Workforce Area has six comprehensive AJCCs, listed below.

A collocated partner is defined as an AJCC partner who has a physical presence within the center, either full time or part time. The collocated partners at each comprehensive AJCC are listed below each location.

Comprehensive AJCC #1

Metro Career Center

3910 University Ave., Ste. #300

San Diego, CA 92105

Website: www.metrocareercenters.org

Contact: Maxine Chieng-Suka – (619) 516-2200 | maxinesuka@workforce.org

Partners Collocated at This AJCC:

County of San Diego HHSA / TANF (Operated by ResCare)

Reality Changers

Comprehensive AJCC #2

South Metro Career Center

4389 Imperial Ave.

San Diego, CA 92113

Website: www.metrocareercenters.org

Contact: Maxine Chieng-Suka – (619) 516-2200 | maxinesuka@workforce.org

Partners Collocated at This AJCC:
SCSEP (Jewish Family Services)
Able-Disabled

Comprehensive AJCC #3

South County Career Center

1111 Bay Blvd.

Chula Vista, CA 91911

Website: www.southsdcareercenter.com

Contact: Sherry Rednour – (619) 628-0300 | sherryrednour@workforce.org

Partners at This AJCC:

SER

SY Health Centers

EDD

Department of Rehabilitation

Mental Health Systems

Montgomery Adult School

South County Economic Development Corporation

Comprehensive AJCC #4

East County Career Center

924 East Main St.

El Cajon, CA 92021

Website: www.eccc.guhsd.net

Contact: Jeff Meredith – (619) 590-3950 | jmeredith@guhsd.net

Partners at This AJCC:

Department of Rehabilitation

Job Corps

Grossmont Adult School

Comprehensive AJCC #5

North Coastal Career Center

1949 Avenida del Oro, Ste. 106

Oceanside, CA 92056

Website: www.northcountycareercenters.com

Contact: Sherry Rednour – (619) 628-0300 | sherryrednour@workforce.org

Partners at This AJCC:

EDD

Department of Rehabilitation

Cornerstone

<p>AJCC Infrastructure Budget Metro Career Center</p>

Comprehensive AJCC #6

North Inland Career Center

463 N. Midway

Escondido, CA 92027

Website: www.northcountycareercenters.com

Contact: Sherry Rednour – (619) 628-0300 | sherryrednour@workforce.org

Partners at This AJCC:

EDD (Veterans Representative)

Department of Rehabilitation

AJCC Infrastructure Budget

Cost Category/Line Item	Cost
Rent	
Rental of Facilities	\$ 570,150.24
Rental Costs Subtotal:	\$ 570,150.24
Utilities and Maintenance	
Electric	\$18,781.22
Gas	N/A – included in rent
Water	N/A – included in rent
Sewer Connections	N/A – included in rent
High-Speed Internet	N/A – combined w/ phone
Telephones (Landlines)	\$7,800.00
Facility Maintenance Contract	\$313,840.00
Utilities and Maintenance Costs Subtotal:	\$340,421.22
Equipment	
Assessment-related products	\$0
Assistive technology for individuals with disabilities (Access and Accommodation)	\$0
Copiers	\$28,259.00
Fax Machines	\$0
Computers	\$0
Other tangible equipment used to serve all center customers (not specific to an individual program partner)	\$0
Equipment Costs Subtotal:	\$28,259.00
Total Costs:	\$938,830.46
Summary of Infrastructure Costs to be Shared by Partners	
Subtotal: Rental Costs	\$312,362.47
Subtotal: Utilities and Maintenance Costs	\$186,503.14
Subtotal: Equipment Costs	\$0
Total Shared by Partners	\$498,865.61

South Metro Career Center	
Cost Category/Line Item	Cost
Rent	
Rental of Facilities	\$711,453.36
Rental Costs Subtotal:	\$711,453.36
Utilities and Maintenance	
Electric	\$119,775
Gas	N/A – included in rent
Water	N/A – included in rent
Sewer Connections	N/A – included in rent
High-Speed Internet	N/A – combined with phone
Telephones (Landlines)	\$15,590.88
Facility Maintenance Contract	\$387,900
Utilities and Maintenance Costs Subtotal:	\$523,265.88
Equipment	
Assessment-related products	\$0
Assistive technology for individuals with disabilities (Access and Accommodation)	\$0
Copiers	\$48,500
Fax Machines	\$0
Computers	\$0
Other tangible equipment used to serve all center customers (not specific to an individual program partner)	\$500.00
Equipment Costs Subtotal:	\$49,000
Total Costs:	\$1,263,029.25
Summary of Infrastructure Costs to be Shared by Partners	
Subtotal: Rental Costs	\$348,502.35
Subtotal: Utilities and Maintenance Costs	\$256,319.53
Subtotal: Equipment Costs	\$0
Total Shared by Partners	\$604,821.88

AJCC Infrastructure Budget

South County Career Center	
Cost Category/Line Item	Cost
Rent	
Rental of Facilities	\$ 437,766
Rental Costs Subtotal:	\$ 437,766
Utilities and Maintenance	
Electric	\$52,830.00
Gas	N/A – included in rent
Water	N/A – included in rent
Sewer Connections	N/A – included in rent
High-Speed Internet	\$8,160.00
Telephones (Landlines)	\$5,082.00
Facility Maintenance Contract	\$35,704.00
Utilities and Maintenance Costs Subtotal:	\$101,776.00
Equipment	
Assessment-related products	\$0
Assistive technology for individuals with disabilities (Access and Accommodation)	\$0
Copiers	\$13,524.00
Fax Machines	\$0
Computers	\$0
Other tangible equipment used to serve all center customers (not specific to an individual program partner)	\$0
Equipment Costs Subtotal:	\$13,524.00
Total Costs:	\$533,066
Summary of Infrastructure Costs to be Shared by Partners	
Subtotal: Rental Costs	\$188,697.88
Subtotal: Utilities and Maintenance Costs	\$11,959
Subtotal: Equipment Costs	\$0
Total Shared by Partners	\$201,656.88*

*Subject to change due to month to month sublease

AJCC Infrastructure Budget
East County Career Center

AJCC Infrastructure Budget North Coastal Career Center	
Cost Category/Line Item	Cost
Rent	
Rental of Facilities	\$305,209.00
Rental Costs Subtotal:	\$305,209.00
Utilities and Maintenance	
Electric	N/A – included in rent
Gas	N/A – included in rent
Water	N/A – included in rent
Sewer Connections	N/A – included in rent
High-Speed Internet	N/A – included in rent
Telephones (Landlines)	N/A – included in rent
Facility Maintenance Contract	N/A – included in rent
Utilities and Maintenance Costs Subtotal:	\$0
Equipment	
Assessment-related products	\$0
Assistive technology for individuals with disabilities (Access and Accommodation)	\$0
Copiers	\$5,520.00
Fax Machines	\$0
Computers	\$400.00
Other tangible equipment used to serve all center customers (not specific to an individual program partner)	\$0
Equipment Costs Subtotal:	\$5,920.00
Total Costs:	\$311,129
Summary of Infrastructure Costs to be Shared by Partners	
Subtotal: Rental Costs	\$123,627
Subtotal: Utilities and Maintenance Costs	\$0
Subtotal: Equipment Costs	\$5,920
Total Shared by Partners	\$129,547

AJCC Infrastructure Budget North Inland Career Center	
Cost Category/Line Item	Cost
Rent	
Rental of Facilities	\$525,536.00
Rental Costs Subtotal:	\$525,536.00
Utilities and Maintenance	
Electric	N/A – included in rent
Gas	N/A – included in rent
Water	N/A – included in rent
Sewer Connections	N/A – included in rent
High-Speed Internet	\$1,236.00
Telephones (Landlines)	\$24,668.00
Facility Maintenance Contract	N/A – included in rent
Utilities and Maintenance Costs Subtotal:	\$25,904.00
Equipment	
Assessment-related products	\$0
Assistive technology for individuals with disabilities (Access and Accommodation)	\$0
Copiers	\$7,044.00
Fax Machines	\$0
Computers	\$0
Other tangible equipment used to serve all center customers (not specific to an individual program partner)	\$0
Equipment Costs Subtotal:	\$7,044.00
Total Costs:	\$558,484
Summary of Infrastructure Costs to be Shared by Partners	
Subtotal: Rental Costs	\$258,179
Subtotal: Utilities and Maintenance Costs	\$293,261
Subtotal: Equipment Costs	\$0
Total Shared by Partners	\$551,440

Cost Category/Line Item	Cost
Rent	
Rental of Facilities	\$371,151.68
Rental Costs Subtotal:	\$371,151.68
Utilities and Maintenance	
Electric	\$18,000.00
Gas	N/A – included in rent
Water	N/A – included in rent
Sewer Connections	N/A – included in rent
High-Speed Internet	N/A – included in rent
Telephones (Landlines)	\$2,256.00
Facility Maintenance Contract	N/A – included in rent
Utilities and Maintenance Costs Subtotal:	\$20,256.00
Equipment	
Assessment-related products	\$0
Assistive technology for individuals with disabilities (Access and Accommodation)	\$0
Copiers	\$7,560.00
Fax Machines	\$0
Computers	\$0
Other tangible equipment used to serve all center customers (not specific to an individual program partner)	\$0
Equipment Costs Subtotal:	\$7,560.00
Total Costs:	\$398,967.68
Summary of Infrastructure Costs to be Shared by Partners	
Subtotal: Rental Costs	\$296,962.40
Subtotal: Utilities and Maintenance Costs	\$0
Subtotal: Equipment Costs	\$0
Total Shared by Partners	\$296,962.40

Cost Allocation Methodology to Share Agreed Up on Infrastructure Costs The Local Board and partners have agreed to a

cost allocation methodology to identify the proportionate share of infrastructure costs each partner will be expected to contribute. The cost allocation methodology adheres to the following:

- Complies with federal laws authorizing each partner's program
- Complies with federal cost principles in the Uniform Guidance.
- Includes only costs that are allowable, reasonable, necessary, and allocable to each program partner.
- Uses an agreed upon measure that mathematically determines the proportionate use and benefit received by each partner.

Infrastructure Cost Allocation Methodology

SDWP chose to use a cost-allocation formula based on each partner's square footage occupancy and duration of use. The value of each partner's owed infrastructure cost contribution is directly correlated to the percentage of AJCC space and time used by that partner per month. Costs for AJCC common areas are proportionately shared by all partners.

Initial Proportionate Share of Infrastructure Costs Allocated to Each Partner

This budget includes the initial proportionate share of infrastructure costs allocated to each partner based on the agreed upon cost allocation methodology, each partner's estimated total contribution amount, and whether it will be provided through cash, non-cash (in-kind), and/or third-party in-kind contributions. This initial determination will be periodically reconciled against actual costs incurred and adjusted accordingly.

AJCC partners (or their respective state entity) may provide cash, non-cash, and third-party in-kind contributions to cover their proportionate share of infrastructure costs. If non-cash or in-kind contributions are used, they cannot include non-infrastructure costs (such as personnel), and they must be valued consistent with Uniform Guidance Section 200.306 to ensure they are fairly evaluated and meet the partner's proportionate share.

If third-party in-kind contributions are made that support the AJCC(s) (such as space), that contribution will not count toward a specific partner's proportionate share of the IFA. Rather, the value of the contribution will be applied to the overall infrastructure budget prior to determining proportionate amounts and thereby reduce the contribution required for all partners.

Physically Co-Located Partners

South			
Provider	Contribution	% Usage	In Kind vs. Cash
ResCare	\$351,409.12	64%	Cash
SY Health Centers	\$8,880	2%	Cash
EDD	\$168,737	31%	Cash
DOR	\$6,877	1%	Cash

SCEDC	\$17,162.88	3%	Cash
Total	\$553,066	100%	

Metro			
Provider	Contribution	% Usage	In Kind vs. Cash
KRA	\$439,964.85	47%	Cash
TANF	\$421,677.09	45%	Cash
Reality Changer	\$77,189.52	8%	Cash
Total	\$938,830.46	100%	

Metro - South Metro			
Provider	Contribution	% Usage	In Kind vs. Cash
KRA	\$658,207.36	52%	Cash
EDD/EDD-UI	\$460,352.11	36%	Cash
DOR	\$4,839.79	<1%	Cash
Jewish Family Services	\$10,022.57	1%	Cash
SDCCD	\$91,155.82	7%	In Kind
Able Disabled	\$38,451.60	3%	Cash
DOL Vet Services	\$0	<1%	In Kind
Deaf Community Services	\$0	<1%	In Kind
Veterans Services	\$0	<1%	In Kind
Total	\$1,263,029.25	100%	

East			
Provider	Contribution	% Usage	In Kind vs. Cash
Grossmont Unified High School District	\$185,569	60%	Cash
Department of Rehabilitation (DOR)	\$3,690	1%	Cash
Job Corps	\$3,600	1%	Cash
Grossmont Adult School	\$118,270	38%	Cash
Total	\$311,129	100%	

North - North Coastal			
Provider	Contribution	% Usage	In Kind vs. Cash

ResCare	\$282,305	50%	Cash
EDD	\$269,400	49%	Cash
DOR	\$3,455	1%	Cash
Cornerstone	\$3,324	1%	Cash
Total	\$558,484	100%	

North - North Inland			
Provider	Contribution	% Usage	In Kind vs. Cash
ResCare	\$102,005.28	26%	Cash
CalWORKs	\$292,316.40	73%	Cash
DOR	\$4,646	1%	Cash
EDD Vet Rep	\$0	<1%	In Kind
Total	\$398,967.68	100%	

Signature Page: Collocated Partners Sharing AJCC Infrastructure Costs

The CEO, the Local Board Chairperson, and all collocated AJCC partners included in the sharing of infrastructure costs must sign. By signing below, all parties agree to the terms prescribed in the IFA.

Scott Sherman
Councilmember, Seventh Council District
San Diego City Council

Peter Callstrom
CEO and President
San Diego Workforce Partnership, Inc.

Date

Date

Marlene Taylor
President, Taylor Trim and Supply
Chair of San Diego's Workforce Development Board

Date

(Collocated AJCC Partner Entity)

Printed Name and Title

Signature and Date

Signature Page: Partners Sharing Infrastructure Costs When Proportionate Share Data Are Available

The state is in the process of implementing the requisite statewide data tracking system, and once such data are available, all non-located partners who are receiving benefit from the AJCCs will also be required to contribute their proportionate share towards infrastructure costs. Consequently, the Phase II MOU must include an assurance from all non-located partners that they agree to pay their proportionate share of infrastructure costs as soon as sufficient data are available.

By signing below, all parties agree that when data are available to determine the AJCC benefit to non- partners, the infrastructure cost sharing agreement will be renegotiated to include their proportionate share of contributions.

(Non-Collocated AJCC Partner Entity)

Printed Name and Title

Signature and Date

Required Phase II MOU Component: Sharing Other One-Stop System Costs

Phase II MOU Content Requirement:

A budget outlining other system costs relating to the operation of the local One-Stop delivery system and a description of what specific costs are included in each line item. The budget must include “applicable career services” as well as any other shared costs agreed upon by the AJCC partners and Local Board.

While only colocated partners share infrastructure costs, all One-Stop partners must share in other system costs, including applicable career services. All partners that signed the Phase I MOU must also sign the Phase II MOU for the sharing of other system costs.

The One-Stop System Partners Included in the Sharing of Other One-Stop Delivery System Costs

- Title I Adult, Dislocated Worker, and Youth
- Title II Adult Education and Literacy
- Title III Wagner-Peyser
- Title IV Vocational Rehabilitation
- Carl Perkins Career Technical Education
- TANF/CalWORKs
- Title V Older Americans Act
- Job Corps
- Native American Programs
- Migrant Seasonal Farmworkers
- Veterans
- YouthBuild
- Trade Adjustment Assistance Act
- Community Services Block Grant
- Housing and Urban Development
- Unemployment Compensation
- Second Chance

Required Consolidated System Budget for “Applicable Career Services”

The agreed upon budget for other system costs must align with the Phase I MOU agreement that outlined shared customers and services. If it does not, then the Phase I MOU must be amended to justify the budgeted system costs and align with Phase II. Therefore, Local Boards and AJCC partners should start by reviewing their signed Phase I MOUs to determine what each partner previously agreed to.

The other system costs budget must be a consolidated budget that includes a line item for applicable career services. The signed Phase I MOU required identification of the career services that were applicable to each partner program. Accordingly, this budget must include each of the partner’s costs for the service delivery of each applicable career service and a

consolidated system budget for career services applicable to more than one partner. If new costs are accepted in Phase II then they must include language amending the Phase I descriptions as Phase I and Phase II must align for this budget.

Applicable Career Services are services authorized to be provide under each partner's program.

Matrix of MOU Partner Service Delivery

[illegible]

Required Consolidated Budget for the Delivery of Applicable Career Services

The other system costs budget must be a consolidated budget for applicable career services. This budget must include each of the partner's costs for the service delivery of each applicable career service and a consolidated system budget for career services applicable to more than one partner. Unlike the IFA, other system costs should include all costs, including personnel, related to the administration and delivery of those services.

Applicable Career Services	T-I Adult	T-I DW	T-I Youth	T-II AEL	T-III WP	T-IV VR	TANF
Basic and Individual Career Services: T-I Eligibility/Initial Assess Outreach, Intake, Orient Labor Exchange/Job Search Referrals/LMI Support Service Info UI Info/Fin Aid Info Comp Assessment/IEP Career Plan/Counsel Short-Term Pre-vocational Internship/Work Experience Financial Literacy IET/ELA/WF Prep	\$	\$	\$	\$	\$	\$	\$
Applicable Career Services: Tech Ed		T-V OAA	Job Corps	Native Am	MSF	YouthBuild	TAA
Basic and Individual Career Services: T-I Eligibility/Initial Assess Outreach, Intake, Orient Labor Exchange/Job Search Referrals/LMI Support Service Info	\$	\$	\$	\$	\$	\$	\$

UI Info/Fin Aid Info Comp Assessment/IEP Career Plan/Counsel Short-Term Pre-vocational Internship/Work Experience Financial Literacy IET/ELA/WVF Prep									
Applicable Career Services	Comm Ad	Reasing	UI	Veterans	AEBG	Other Part	Other Part		
Basic and Individual Career Services: T-I Eligibility/Initial Assess Outreach, Intake, Orient Labor Exchange/Job Search Referrals/LMI Support Service Info UI Info/Fin Aid Info Comp Assessment/IEP Career Plan/Counsel Short-Term Pre-vocational Internship/Work Experience Financial Literacy IET/ELA/WVF Prep	\$	\$	\$	\$,	\$111,374	\$	\$		
Consolidated budget total of career services delivered through the One-Stop system: \$									

Partner Agreement to Share Other One-Stop System Costs

The other system costs budget may include any other shared services that are authorized for and commonly provided through the AJCC partner programs to any individual, such as initial intake, assessment of needs, appraisal of basic skills, identification of appropriate services to meet such needs, referrals to other One-Stop partners, and business services. Shared operating costs may also include shared costs related to the Local Board's functions.

As with infrastructure costs, other system costs must be allocable according to the proportion of benefit received by each of the AJCC partner programs, consistent with the partner's authorizing federal statute and Uniform Guidance. The Phase II MOU must also include an agreed upon budget for these other costs along with the agreed upon cost sharing methodology. These costs may be shared through cash, non-cash, or third-party in-kind contributions.

All AJCC partners must agree to the other system costs budget. There is no state funding mechanism for other system costs that will be triggered due to lack of agreement at the local level for these costs.

Options for Local Agreement for Partners to Share Other System Costs

- **Initial intake, assessment of needs, appraisal of basic skills, identification of appropriate services to meet such needs, and referrals to other AJCC partners.** This may include costs such as technology and tools that increase integrated service delivery through the sharing of information and service delivery processes.
- **Business services.** This may include costs related to a local or regional system business services team that has one or more partners on the team or has delegated a specific partner to provide business services on behalf of the system.
- **AJCC partner staff cross training.** This may include any staff cross training on partner programs and eligibility identified in Phase I.
- **One-Stop operator.** This may include the system role of the One-Stop operator (e.g., coordinating service providers across the One-Stop delivery system) when the role is not specific to the operation of the AJCC and/or specific partner programs, so long as the role was defined by the Local Board in the procurement process and agreed to by all AJCC partners in the MOU.
- **Shared personnel costs for AJCC collocated partners.** This may include center receptionists and/or center managers.



June 26, 2017

Board Item - J.-4.

Issue:

New Adult Education course descriptions.

Superintendent's Recommendation:

Approve new course descriptions for the Division of Adult Education.

Analysis:

The Adult Education Block Grant (AEBG) requires the South Bay Adult Education Consortium/Southwestern, which includes, Southwestern College, Sweetwater Union High School District, and the Coronado Unified School District, to collaborate on creating, offering, and/or revising courses for adults with equitable access that will prepare them to gain skills for high demand jobs and/or the workforce. The following new courses are short term in nature and have a high employment potential. These courses will also align with similar courses within the consortium program areas and offer clearly sequential coursework in academic pathways.

Adult Secondary Education

College Readiness Math Level 1: This course will prepare students for the Level 1 Math entrance exam for community colleges. Mastery of these skills is addressed through drill and practice exercises, accompanied by an emphasis on common, practical problem-solving applications, basic geometric concepts as well as algebraic thinking, as outlined in the mathematics content standards for adult education.

College Readiness Math Level 2: This course will prepare students for the Level 2 Math entrance exam for community colleges and/or passage of Union Trades entrance exam. Mastery of these skills is addressed through drill and practice exercises, accompanied by an emphasis on common, practical problem-solving applications, basic geometric concepts as well as algebraic thinking, as outlined in the mathematics content standards for adult education.

English as a Second Language

English as a Second Language 5 Advanced Low ESL: This course provides an integrated approach to improving basic reading, writing, speaking, and listening

skills in English. It is a transitional class for students to further their academic and/or career pathways.

Career Technical Education

Unmanned Aircraft Systems Foundations: Students become certified in Small Unmanned Aircraft Systems Safety enabling them to gain employment as qualified remote pilots. Curriculum covers the foundations of the unmanned aircraft, UAS applications, UAS personnel, and safety management. Students successfully completing the program will receive an industry certification that is recognized throughout the aviation community and facilitates workforce development.

Unmanned Aircraft Systems Operations: This capstone course moves students from the theory portion of unmanned aircraft systems curriculum into the hands-on, skilled-based certification. Students will use techniques to safely and ethically operate DJI Phantom 4 drones to receive additional industry certification.

Cyber Literacy I: Cyber literacy is a hands-on curriculum that builds a strong cyber foundation for students. The course introduces students to cyber by blending robotics, programming, and electricity. Students learn about the opportunities, threats, responsibilities, and legal constraints associated with operating in cyberspace. Throughout the course, students learn the basics of electricity, programming, and networking as well as develop critical thinking skills.

Cyber Literacy II: This project-driven curriculum expands a student's understanding of cyberspace through two primary topics: systems engineering and liberal arts. This course builds upon fundamental cyber skills. Students will utilize a microcontroller to construct complex systems that bring together a variety of components.

Cyber Science: Cyber Science is an innovative, project-driven course that uses the Parallax Boe-Bot robot as a platform for learning important cyber concepts and fundamentals. Students are engaged in a systems-level approach to problem solving using robotics and computer science. This capstone course prepares students for the Security+ certification exam.

Introduction to Engineering Design: Students are introduced to the engineering design process, math application, science, and engineering standards to identify and design solutions to a variety of real problems. They work both individually and in teams to develop and document design solutions using engineering notebooks and 3D modeling software.

Computer Integrated Manufacturing: Students learn about manufacturing processes, product design, robotics, and automation. Students develop knowledge and skills of Computer Aided Design and Manufacturing to produce products using a Computer Numerical Controlled (CNC) mill.

Engineering Design and Development: The knowledge and skills students acquire come together in this capstone course as they identify an issue and then research,

design, and test a solution, ultimately presenting their solution to a panel of engineers. While progressing through the engineering design process, students will work closely with experts.

Introduction to Family Studies: This course provides students in the child development pathway the principles of family development and aspects of family related decisions within diverse environmental settings. Themes are provided to help students understand the different family complexities that exist when working with parents and children. Those covered in the course include family commitments, exploration of the family, gender identities, marriage, divorce, parenting, communication, violence in families, family stress, remarriage, stepfamilies, cohabitation and the aging family population.

The Early Art Experience: This course provides theory and skills to enhance students' abilities to create and implement art projects with children in the educational environment. The student will explore art techniques and theoretical approaches. The course will prepare students to use art while implementing lesson plans around Math, Science, Dramatic Arts, and Literacy.

Cyber Security: This course will provide students with principles of data and technology that frame and define cybersecurity. Students will gain insight into the importance of cybersecurity and the integral role of cybersecurity professionals. The interactive, self-guided format will provide a dynamic learning experience where users can explore foundational cybersecurity principles, security architecture, risk management, attacks, incidents, and emerging IT and IS technologies. Students will be prepared to take the CompTIA Security+ industry exam at end of course.

Climbing the Career Ladder: This course is designed to teach employees how to prepare for promotion. Participants will learn to update or build a resume, create a professional cover letter, and practice and refine interview skills. The course will also focus on the use of EDJOIN, a web-based education job board. SUHSD will begin using Edjoin to advertise classified job vacancies and accept classified candidate applications.

Copies of the course descriptions are available at the Adult Education Resource Center.

For questions regarding this board item, please contact Dr. Joe Fulcher at (619) 691-5533 or joe.fulcher@sweetwaterschools.org.

Fiscal Impact:

None.



June 26, 2017

Board Item - J.-5.

Issue:

Revised Course Descriptions for Adult Education

Superintendent's Recommendation:

Approve revised course descriptions for the Division of Adult Education.

Analysis:

The Adult Education Block Grant (AEBG) requires the South Bay Adult Education Consortium/Southwestern, which includes, Southwestern College, Sweetwater Union High School District, and the Coronado Unified School District, to collaborate on creating, offering, and/or revising courses for adults with equitable access that will prepare them to gain skills for high demand jobs and/or the workforce. The following revised courses are short term in nature and have a high employment potential. These courses will also align with similar courses within the consortium program areas and offer clearly sequential coursework in academic pathways.

Career Technical Education

–
Landscaping: Low Water Design & Maintenance
Introduction to Computer Concepts
Consortium Blueprint Reading

For questions regarding this board item, please contact Dr. Joe Fulcher at (619) 691-5533 or joe.fulcher@sweetwaterschools.org.

Fiscal Impact:

None.



June 26, 2017

Board Item - K.-1.

Issue:

Warrants in payment of salaries and invoices.

Superintendent's Recommendation:

Ratify the following for the month of May 2017: 1) warrants in payment of salaries written from the funds of the district; and 2) warrants in payment of invoices written from the funds of the district.

Analysis:

Education Code Section 42631 requires that all payments from the funds of the school district be made on the written order of the governing board. Education Code Sections 42632 and 42633 permit the governing board to designate an officer or employee of the district to sign orders rather than a majority of the members of the board.

The attached listing was prepared from warrant registers on file in the accounting department showing payment for goods and services by warrants which have been approved by the County of San Diego Auditor and Controllers Office. The listing also shows checks written from the cafeteria account in payment of invoices for food, supplies, and equipment replacement.

For questions regarding this board item, please contact Karen Michel at (619) 691-5550 or karen.michel@sweetwaterschools.org.

Fiscal Impact:

Expenditure of \$37,553,268.14, for the month of May 2017.

ATTACHMENTS:

Description	Type
Warrants Report May 2017	Backup Material

**SWEETWATER UNION HIGH SCHOOL DISTRICT
WARRANTS APPROVED IN PAYMENT OF SALARIES AND INVOICES
WIRE TRANSFER PAYMENTS
FOR THE MONTH OF MAY 2017**

TYPE/FUND	WARRANT NUMBERS	LISTING SHEETS	WARRANTS CANCELLED	TOTAL AMOUNT
1) SALARIES:				
Negotiable	13097714-13098352			
Non-Negotiable *	651901-656463			
(01) General Fund				\$23,663,565.45
(11) Adult Education Fund				\$927,590.31
(13) Cafeteria Special Revenue Fund				\$457,202.57
(21-23) Building Fund				\$46,363.97
(49) Capital Projects Fund for Blended Component Units				\$40,733.43
2) INVOICES:				
Commercial	383134-384832	1626-1795		
(01) General Fund				\$5,020,399.29
(11) Adult Education Fund				\$259,863.13
(14) Deferred Maintenance Fund				\$17,796.72
(21-23) Building Fund				\$1,976,184.78
(25) Capital Facilities Fund				\$121,227.32
(35) County School Facility Fund				\$75,138.22
(40) Special Reserve Fund for Capital Outlay Projects				\$69,267.29
(49) Capital Projects Fund for Blended Component Units				\$118,734.87
(13) Cafeteria Special Revenue Fund	031024-031155	0268-0280		\$564,359.14
			373092, 373096	
			373101, 373222	
			373231, 373358	
			373408, 373706	
			373707, 373876	
			373996, 374273	
			374831, 374836	
			375393, 381088	
			381455, 381747	
			381762, 381894	
			383037, 383386	
			383550, 383552	
			383681, 383760	
			383999, 384194	
			384413, 384414	
			384416, 384417	
			384418, 384419	
			384420	
3) WIRE TRANSFER:				
	PURPOSE			
(01) General Fund	VEBA Medical Premiums			\$4,178,353.65
(01) General Fund	Sales/USE Tax 1st Quarter return			\$10,244.00
(01) General Fund	Sales/USE Tax 2nd Qtr prepayment			\$6,244.00
TOTAL FISCAL IMPACT				\$37,553,268.14

* Non-Negotiable Warrants are Payroll
Direct Deposits



June 26, 2017

Board Item - K.-2.

Issue:

Sweetwater Union High School District's 2017-2018 Proposed Budget.

Superintendent's Recommendation:

* Adopt the Sweetwater Union High School District's 2017-2018 Proposed Budget.

Analysis:

In previous years, the district has adopted its subsequent year's proposed budget at a regularly scheduled Board Meeting in June, as required by AB1200. With the new Local Control Funding Formula and effective with the 2014-2015 Fiscal Year, California Education Codes 42103 & 42127 require that the district hold a separate meeting from the adoption of the Proposed Local Control Accountability Plan ("LCAP") and Proposed Budget. The public hearings for the Preliminary Proposed LCAP and Preliminary Proposed Budget can be at a regularly scheduled Board Meeting in May or at a separate meeting, but prior to the June meeting adopting the Proposed LCAP and Proposed Budget.

The budget presented includes proposed revenues and expenditures for the 2017-2018 fiscal year as listed below.

For questions regarding this board item, please contact Karen Michel at (619) 691-5550 or karen.michel@sweetwaterschools.org.

Fiscal Impact:

2017-2018 Adopted Budget General Fund Revenues	\$ 453,861,354
2017-2018 Adopted Budget General Fund Expenditures	\$453,166,553
2017-2018 All Other Funds – Revenues	\$ 62,513,916
2017-2018 All Other Funds – Expenditures	\$ 125,264,012

ATTACHMENTS:

Description

- 2017-2018 Proposed Budget Financials
- SACS Report
- Budget PPT

Type

- Backup Material
- Backup Material
- Presentation

**SWEETWATER UNION HIGH SCHOOL DISTRICT
GENERAL FUND
2017-2018 Proposed Budget
Unrestricted/Restricted**

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 22,049,860	\$ 38,361,124	\$ 38,361,124	\$ 30,412,787
<i>Restatement of Beg Bal</i>	-	(2,076,027)	(2,076,027)	-
Adjusted Beginning Balance	<u>\$ 22,049,860</u>	<u>\$ 36,285,097</u>	<u>\$ 36,285,097</u>	<u>\$ 30,412,787</u>
REVENUE				
LCFF/Revenue Limit	\$ 344,790,420	\$ 359,630,823	\$ 359,557,710	\$ 368,931,496
Federal Revenue	23,321,261	24,451,537	25,235,687	18,438,113
Other State Revenue	50,148,672	39,458,450	39,458,450	32,856,330
Local Revenue	28,017,306	29,572,142	30,302,538	29,477,183
Transfer In	7,771,635	4,359,507	14,660,130	4,158,232
Transfer Out	-	-	-	-
Total Revenue	<u>\$ 454,049,294</u>	<u>\$ 457,472,459</u>	<u>\$ 469,214,515</u>	<u>\$ 453,861,354</u>
EXPENDITURES				
Certificated Salaries	\$ 204,198,917	\$ 209,571,216	\$ 209,940,959	\$ 211,547,863
Classified Salaries	69,956,611	72,928,429	73,150,828	74,001,658
Employee Benefits	90,578,322	98,457,439	99,140,720	107,480,183
Books/Supplies	20,875,530	31,293,631	26,240,051	15,176,012
Contracted Services	37,912,866	41,470,817	40,266,332	31,287,816
Capitalized Expenditures	8,652,076	6,746,807	16,567,201	4,348,969
Other Outgo	5,563,710	7,208,338	9,780,735	9,324,052
Total Expenditures	<u>\$ 437,738,032</u>	<u>\$ 467,676,677</u>	<u>\$ 475,086,826</u>	<u>\$ 453,166,553</u>
Revenue less Expenditures	\$ 16,311,262	\$ (10,204,218)	\$ (5,872,311)	\$ 694,801
ENDING BALANCE	\$ 38,361,122	\$ 26,080,879	\$ 30,412,786	\$ 31,107,588
RESERVES/RESTRICTIONS				
Legally Restricted Categorical Reserve	\$ 3,157,873	\$ -	\$ 3,415,063	\$ -
Reserves for Stores/Revolving Cash	538,092	401,527	401,527	401,527
Reserve for Early Retirement Incentive	334,682	86,741	334,682	311,560
Reserve for Site Carryover	100,000	-	100,000	100,000
Deferred Maintenance	4,314,398	-	3,720,218	4,432,701
Vehicle Replacement Plan	3,247,290	-	2,000,000	2,000,000
Reserve Technology Requirements	3,114,734	-	-	1,800,000
Reserve Qualified Zone Academy Bond (QZAB)	-	4,267,910	4,267,910	4,420,692
Reserver for One Time Costs	10,421,914	7,294,401	1,920,782	4,109,864
Economic Uncertainites (2% State Req)	8,754,761	9,353,534	9,501,737	9,063,331
Reserve STRS/PERS Retirement	\$ 4,377,380	4,676,767	4,750,868	4,467,912
Total Restrictions/Reserves	<u>\$ 38,361,124</u>	<u>\$ 26,080,879</u>	<u>\$ 30,412,787</u>	<u>\$ 31,107,587</u>
Unrestricted Reserve	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
GENERAL FUND
2017-2018 Proposed Budget
Unrestricted

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 20,987,134	\$ 35,203,251	\$ 35,203,251	\$ 26,997,724
<i>Restatement of Beg Bal</i>		(2,076,027)	(2,076,027)	
Adjusted Beginning Balance	<u>\$ 20,987,134</u>	<u>\$ 33,127,224</u>	<u>\$ 33,127,224</u>	<u>\$ 26,997,724</u>
REVENUE				
LCFF/Revenue Limit	\$ 343,095,240	\$ 357,967,656	\$ 357,894,543	\$ 367,101,265
Federal Revenue	900,962	710,000	1,022,988	384,628
Other State Revenue	28,189,418	15,640,067	15,640,067	13,521,845
Local Revenue	5,932,157	7,240,914	7,680,209	7,220,811
Transfers In	7,771,635	4,359,507	14,660,130	4,158,232
Transfers Out	(53,529,902)	(56,224,595)	(58,417,208)	(60,624,975)
Total Revenue	<u>\$ 332,359,510</u>	<u>\$ 329,693,549</u>	<u>\$ 338,480,729</u>	<u>\$ 331,761,806</u>
EXPENDITURES				
Certificated Salaries	\$ 162,506,488	\$ 165,463,297	\$ 166,354,076	\$ 170,013,074
Classified Salaries	47,933,548	49,196,390	49,092,265	49,932,301
Employee Benefits	58,841,650	64,633,958	64,205,160	71,439,199
Books/Supplies	12,804,904	19,893,179	14,843,977	5,220,866
Contracted Services	23,306,686	25,385,248	25,582,177	19,320,258
Capitalized Expenditures	8,625,175	6,561,385	16,231,779	4,143,232
Other Outgo	4,124,942	5,606,437	8,300,796	7,583,012
Total Expenditures	<u>\$ 318,143,393</u>	<u>\$ 336,739,894</u>	<u>\$ 344,610,230</u>	<u>\$ 327,651,942</u>
Revenue less Expenditures	\$ 14,216,117	\$ (7,046,345)	\$ (6,129,501)	\$ 4,109,864
ENDING BALANCE	\$ 35,203,251	\$ 26,080,879	\$ 26,997,724	\$ 31,107,588
RESERVES/RESTRICTIONS				
Legally Restricted Categorical Reserve	\$ -	\$ -	\$ -	\$ -
Reserves for Stores/Revolving Cash	538,092	401,527	401,527	401,527
Reserve for Early Retirement Incentive	334,682	334,681	334,682	311,560
Reserve for Site Carryover	100,000	-	100,000	100,000
Deferred Maintenance	4,314,398	1,603,800	3,720,218	4,432,701
Vehicle Replacement Plan	3,247,290	1,347,736	2,000,000	2,000,000
Reserve Technology Requirements	3,114,734	1,068,434	-	1,800,000
Reserve Qualified Zone Academy Bond (QZAB)	-	-	4,267,910	4,420,692
Reserve for One Time Costs	10,421,914	7,294,401	1,920,782	4,109,864
Economic Uncertainities (2% State Req)	8,754,761	9,353,534	9,501,737	9,063,331
Reserve STRS/PERS Retirement	4,377,380	4,676,767	4,750,868	4,467,912
Total Restrictions/Reserves	<u>\$ 35,203,251</u>	<u>\$ 26,080,879</u>	<u>\$ 26,997,724</u>	<u>\$ 31,107,587</u>
Unrestricted Reserve	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

**SWEETWATER UNION HIGH SCHOOL DISTRICT
GENERAL FUND
2017-18 Proposed Budget
Restricted**

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 1,062,726	\$ 3,157,873	\$ 3,157,873	\$ 3,415,063
REVENUE				
LCFF/Revenue Limit	\$ 1,695,180	\$ 1,663,167	\$ 1,663,167	\$ 1,830,231
Federal Revenue	22,420,299	23,741,537	24,212,699	18,053,485
Other State Revenue	21,959,254	23,818,383	23,818,383	19,334,485
Local Revenue	22,085,149	22,331,228	22,622,329	22,256,372
Transfer In				
Transfers In	53,529,902	56,224,595	58,417,208	60,624,975
Total Revenue	<u>\$ 121,689,784</u>	<u>\$ 127,778,910</u>	<u>\$ 130,733,786</u>	<u>\$ 122,099,548</u>
EXPENDITURES				
Certificated Salaries	\$ 41,692,430	\$ 44,107,919	\$ 43,586,883	\$ 41,534,789
Classified Salaries	22,023,064	23,732,039	24,058,563	24,069,357
Employee Benefits	31,736,670	33,823,481	34,935,560	36,040,984
Books/Supplies	8,070,625	11,400,452	11,396,074	9,955,146
Contracted Services	14,606,179	16,085,569	14,684,155	11,967,558
Capitalized Expenditures	26,900	185,422	335,422	205,737
Other Outgo	1,438,769	1,601,901	1,479,939	1,741,040
Total Expenditures	<u>\$ 119,594,637</u>	<u>\$ 130,936,783</u>	<u>\$ 130,476,596</u>	<u>\$ 125,514,611</u>
Revenue less Expenditures	\$ 2,095,147	\$ (3,157,873)	\$ 257,190	\$ (3,415,063)
ENDING BALANCE	\$ 3,157,873	\$ -	\$ 3,415,063	\$ -
RESERVES/RESTRICTIONS				
Legally Restricted Categorical Reserve	\$ 3,157,873	\$ -	\$ 3,415,063	\$ -
Total Restrictions/Reserves	<u>\$ 3,157,873</u>	<u>\$ -</u>	<u>\$ 3,415,063</u>	<u>\$ -</u>
Unrestricted Reserve	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Adult Education Fund
2017-2018 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 522,581	\$ 649,707	\$ 649,707	\$ -
REVENUES				
LCFF Sources	\$ -	\$ -	\$ -	\$ -
Federal Revenues	1,951,563	1,902,880	1,902,880	1,549,183
State Revenues	13,386,735	14,523,810	14,523,810	14,256,400
Local Revenues	535,408	497,210	497,390	264,938
Transfers In	611,241	627,795	1,455,184	1,920,809
Total Revenue	<u>\$ 16,484,947</u>	<u>\$ 17,551,695</u>	<u>\$ 18,379,264</u>	<u>\$ 17,991,330</u>
EXPENDITURES				
Certificated Salaries	\$ 7,569,221	\$ 7,702,799	\$ 7,784,684	\$ 7,312,261
Classified Salaries	3,011,527	3,293,792	3,267,133	3,183,365
Employee Benefits	3,540,674	4,009,996	4,053,949	3,991,249
Books/Supplies	1,457,033	1,534,883	1,617,335	1,167,037
Contracted Services	621,419	992,076	1,094,696	786,361
Capitalized Expenditures	-	-	-	-
Other Outgo	157,064	11,550	554,868	894,751
Transfers Out	883	656,306	656,306	656,306
Total Expenditures	<u>\$ 16,357,821</u>	<u>\$ 18,201,402</u>	<u>\$ 19,028,971</u>	<u>\$ 17,991,330</u>
Revenue less Expenditures	\$ 127,126	\$ (649,707)	\$ (649,707)	\$ -
ENDING BALANCE	\$ 649,707	\$ -	\$ -	\$ -
RESERVES/RESTRICTIONS				
Categorical Restricted Revenue	\$ 24,253	\$ -	\$ -	\$ -
AB86 Planning Reserve	-	-	-	-
AB104 Consortium Funding	428,729	-	-	-
South Bay Adult Education Consortium/SWC	44,793	-	-	-
Total Restrictions/Reserves	<u>\$ 497,776</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
UNRESTRICTED RESERVE	<u>\$ 151,931</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Cafeteria Fund
2017-2018 Proposed Budget

	2015-2016	2016-2017	2017-2018
	Audited Actuals	Estimated Actuals	Proposed Budget
BEGINNING BALANCE	\$ 134,125	\$ 123,258	\$ 910,291
REVENUES			
Federal Revenue	\$ 10,762,866	\$ 12,232,471	\$ 12,721,770
State Revenue	773,809	829,831	863,024
Local Revenue	1,478,224	1,409,014	1,548,575
Transfers In	79,581	582,359	-
Total Revenue	<u>\$ 13,094,480</u>	<u>\$ 15,053,675</u>	<u>\$ 15,133,369</u>
EXPENDITURES			
Classified Salaries/Benefits	\$ 7,015,149	\$ 7,497,149	\$ 8,117,968
Food Purchases/ General Supplies	5,611,594	6,268,157	6,611,239
Contracted Services	399,385	424,554	384,340
Capitalized Expenditures	-	76,782	-
Other Outgo	79,219	-	-
Total Expenditures	<u>\$ 13,105,347</u>	<u>\$ 14,266,642</u>	<u>\$ 15,113,547</u>
Net Surplus/Deficit	\$ (10,867)	\$ 787,033	\$ 19,822
ENDING BALANCE	\$ 123,258	\$ 910,291	\$ 930,113
RESERVES / RESTRICTIONS			
Cash	\$ 750	\$ -	\$ -
Stores	55,665	499,444	350,000
Total Restriction/Reserves	<u>\$ 56,415</u>	<u>\$ 499,444</u>	<u>\$ 350,000</u>
UNRESTRICTED RESERVE	<u>\$ 67,593</u>	<u>\$ 410,847</u>	<u>\$ 580,113</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Deferred Maintenance Fund
2017-2018 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 6,336,820	\$ 4,985,421	\$ 4,985,421	\$ 3,734,563
REVENUE				
LCFF Source	\$ 1,603,800	\$ 1,603,800	\$ 1,603,800	\$ 1,603,800
Local Revenue	41,187	7,500	21,639	7,500
Transfers In	-	-	-	-
Total Revenue	<u>\$ 1,644,987</u>	<u>\$ 1,611,300</u>	<u>\$ 1,625,439</u>	<u>\$ 1,611,300</u>
EXPENDITURES				
Supplies/Minor Equipment (<\$20,000)	\$ 154,235	\$ 70,000	\$ 114,300	\$ -
Facility/Site Repairs	1,493,777	4,296,748	2,609,523	1,601,379
Facility/Site Construction	1,348,375	478,006	152,474	1,966,000
Lease Purchase (Debt Service)	-	-	-	-
Total Expenditures	<u>\$ 2,996,386</u>	<u>\$ 4,844,753</u>	<u>\$ 2,876,296</u>	<u>\$ 3,567,379</u>
Revenue less Expenditures	\$ (1,351,399)	\$ (3,233,453)	\$ (1,250,858)	\$ (1,956,079)
ENDING BALANCE	<u>\$ 4,985,421</u>	<u>\$ 1,751,968</u>	<u>\$ 3,734,563</u>	<u>\$ 1,778,484</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Building Fund
2017-2018 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 12,555,488	\$ 70,174,705	\$ 70,174,705	\$ 61,779,206
REVENUE				
Proceeds from Bond Sale (Refunding)	\$ 265,710,000	\$ -	\$ -	\$ -
Other Sources (Debt Issuance Premium)	15,918,701	-	-	-
Transfers In (Debt Service Fund)	-	-	-	-
Local Revenue (Debt Issuance Interest)	40	-	-	-
Local Revenue	159,889	140,000	476,453	275,000
Transfers In	1,235,766	-	-	-
Total Revenue	<u>\$ 283,024,396</u>	<u>\$ 140,000</u>	<u>\$ 476,453</u>	<u>\$ 275,000</u>
EXPENDITURES				
Salaries and Benefits	\$ 806,260	\$ 915,025	\$ 1,104,662	\$ 739,006
Supplies/Minor Equipment (<\$20,000)	282,918	618,972	311,150	332,180
Services/Administrative	818,124	3,586,755	2,416,638	136,623
Facility/Site Construction	2,620,905	32,877,138	5,039,502	53,908,938
Debt Service (BAN 2013)	749,500	-	-	-
Transfers Out	9,345	-	-	-
Services/Administrative (Debt Issuance)	1,969,259	-	-	-
Debt Service (Refunding/Discount)	218,148,868	-	-	-
Other Outgo (Debt Service Fund)	-	-	-	-
Total Expenditures	<u>\$ 225,405,179</u>	<u>\$ 37,997,890</u>	<u>\$ 8,871,952</u>	<u>\$ 55,116,747</u>
Revenue less Expenditures	\$ 57,619,217	\$ (37,857,890)	\$ (8,395,499)	\$ (54,841,747)
ENDING BALANCE	<u>\$ 70,174,705</u>	<u>\$ 32,316,815</u>	<u>\$ 61,779,206</u>	<u>\$ 6,937,459</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Capital Facilities Fund
2017-2018 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 669,962	\$ 1,434,845	\$ 1,434,845	\$ 3,855,000
REVENUE				
Developer Fees	\$ 801,037	\$ 316,898	\$ 1,712,621	\$ 500,000
Other Local Revenue	4,588	3,000	22,090	3,000
Transfers In	-		1,107,969	-
Total Revenue	<u>\$ 805,625</u>	<u>\$ 319,898</u>	<u>\$ 2,842,680</u>	<u>\$ 503,000</u>
EXPENDITURES				
Supplies	\$ -	\$ -	\$ -	\$ 219,000
Services/Administrative/Lease	15,916	8,500	19,330	229,765
Facility/Site Construction	-	660,000	393,688	1,287,812
Other Outgo	24,827	9,507	9,507	15,000
Total Expenditures	<u>\$ 40,743</u>	<u>\$ 678,007</u>	<u>\$ 422,525</u>	<u>\$ 1,751,577</u>
Revenue less Expenditures	\$ 764,882	\$ (358,109)	\$ 2,420,156	\$ (1,248,577)
ENDING BALANCE	<u>\$ 1,434,845</u>	<u>\$ 1,076,736</u>	<u>\$ 3,855,000</u>	<u>\$ 2,606,423</u>

June 26, 2017
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SWEETWATER UNION HIGH SCHOOL DISTRICT
County School Facilities Fund
2017-2018 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 29,558,594	\$ 27,666,516	\$ 27,666,516	\$ 20,663,618
REVENUE				
State Revenue	\$ (259,648)	\$ -	\$ -	\$ -
Local Revenue	169,221	80,000	75,198	80,000
Transfers In	-	-	-	-
Total Revenue	<u>\$ (90,427)</u>	<u>\$ 80,000</u>	<u>\$ 75,198</u>	<u>\$ 80,000</u>
EXPENDITURES				
Supplies	\$ 89,904	\$ 153,810	\$ 78,995	\$ 91,201
Facility/Site Repairs/Services	1,199	2,883,963	2,866,503	15,161
Facility/Site Construction	500,578	14,155,475	3,024,628	11,161,633
Other Outgo	1,209,970	-	1,107,970	-
Total Expenditures	<u>\$ 1,801,651</u>	<u>\$ 17,193,248</u>	<u>\$ 7,078,096</u>	<u>\$ 11,267,995</u>
Revenue less Expenditures	\$ (1,892,078)	\$ (17,113,248)	\$ (7,002,898)	\$ (11,187,995)
ENDING BALANCE	<u>\$ 27,666,516</u>	<u>\$ 10,553,268</u>	<u>\$ 20,663,618</u>	<u>\$ 9,475,623</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Special Reserve Fund
2017-2018 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 13,349,399	\$ 13,521,251	\$ 13,521,251	\$ 17,528,268
REVENUE				
Proceeds from Bond Sale	\$ -	\$ 35,690,000	\$ 35,690,000	\$ -
State Revenue	-	-	-	-
Local Revenue	1,501,578	1,169,000	9,694,000	1,468,000
Transfers In	-	-	-	-
Total Revenue	<u>\$ 1,501,578</u>	<u>\$ 36,859,000</u>	<u>\$ 45,384,000</u>	<u>\$ 1,468,000</u>
EXPENDITURES				
Supplies	\$ -	\$ 25,400	\$ 2,437,066	\$ 15,767
Contracted Expense	1,203,667	2,157,834	3,801,972	424,993
Site/Facility Expense	-	-	-	-
Capitalized Expenditures	66,764	34,449,237	34,635,701	637,031
Debt Service Expense	59,296	50,000	502,244	2,561,855
Other Outgo	-	-	-	-
Total Expenditures	<u>\$ 1,329,727</u>	<u>\$ 36,682,472</u>	<u>\$ 41,376,983</u>	<u>\$ 3,639,645</u>
Net Surplus/Deficit	\$ 171,852	\$ 176,529	\$ 4,007,017	\$ (2,171,645)
ENDING BALANCE	<u>\$ 13,521,251</u>	<u>\$ 13,697,779</u>	<u>\$ 17,528,268</u>	<u>\$ 15,356,623</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Community Facilities Districts
2017-2018 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 136,443,042	\$ 143,487,898	\$ 143,487,898	\$ 129,410,396
REVENUE				
Proceeds from Debt Issuance	\$ -	\$ -	\$ 35,515,000.00	\$ -
Other Sources (Debt Issuance Premium)	-	-	4,053,458.25	-
Tax Revenue	25,146,103	24,397,277	26,637,190	25,201,822
Penalties	92,569	92,738	103,174	-
Interest	544,985	420,000	745,960	250,000
Local Revenue	750	-	-	-
Transfers In	70,738	-	-	-
Total Revenue	<u>\$ 25,855,145</u>	<u>\$ 24,910,015</u>	<u>\$ 67,054,783</u>	<u>\$ 25,451,822</u>
EXPENDITURES				
Salaries and Benefits (Construction and Admin)	\$ 422,140	\$ 706,156	\$ 690,906	\$ 395,685
Supplies	882.00	-	-	-
Services/Administrative	696,437	380,567	194,019	158,489
Construction: Supplies/Minor Equipment (<\$20,000)	184,995	66,141	24,923	209,443
Construction: Services/Lease/Repairs	324,946	486,818	1,192,053	365,979
Construction: Facility/Site Construction	2,722,905	4,717,264	2,064,575	2,702,689
Construction: Capital Outlay/Major Equipment	-	-	-	-
Debt Service Expense	14,457,984	15,514,711	76,965,809	12,983,507
Total Expenditures	<u>\$ 18,810,289</u>	<u>\$ 21,871,657</u>	<u>\$ 81,132,285</u>	<u>\$ 16,815,792</u>
Revenue less Expenditures	\$ 7,044,856	\$ 3,038,358	\$ (14,077,502)	\$ 8,636,030
ENDING BALANCE	<u>\$ 143,487,898</u>	<u>\$ 146,526,257</u>	<u>\$ 129,410,396</u>	<u>\$ 138,046,426</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Foundation Trust Fund
2017-2018 Proposed Budget

	2015-16 Actuals	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 12,614	\$ 12,699	\$ 12,792
REVENUE			
Local Revenue	\$ 85	\$ 93	\$ 95
Total Revenue	<u>\$ 85</u>	<u>\$ 93</u>	<u>\$ 95</u>
EXPENDITURES			
Scholarship Expense	\$ -	\$ -	\$ -
Services/Administrative Expense	-	-	-
Total Expenditures	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Revenue less Expenditures	\$ 85	\$ 93	\$ 95
ENDING BALANCE	<u>\$ 12,699</u>	<u>\$ 12,792</u>	<u>\$ 12,887</u>

			2016-17 Estimated Actuals			2017-18 Budget			
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
Description	Resource Codes	Object Codes							% Diff Column C & F
A. REVENUES									
1) LCFF Sources	8010-8099		357,894,543.00	1,663,167.00	359,557,710.00	367,101,265.00	1,830,231.00	368,931,496.00	2.6%
2) Federal Revenue	8100-8299		1,022,988.00	24,212,699.00	25,235,687.00	384,628.00	18,053,485.00	18,438,113.00	-26.9%
3) Other State Revenue	8300-8599		15,640,067.00	23,818,383.00	39,458,450.00	13,521,845.00	19,334,485.00	32,856,330.00	-16.7%
4) Other Local Revenue	8600-8799		7,680,209.00	22,622,329.00	30,302,538.00	7,220,811.00	22,256,372.00	29,477,183.00	-2.7%
5) TOTAL, REVENUES			382,237,807.00	72,316,578.00	454,554,385.00	388,228,549.00	61,474,573.00	449,703,122.00	-1.1%
B. EXPENDITURES									
1) Certificated Salaries	1000-1999		166,354,076.25	43,586,882.70	209,940,958.95	170,013,074.38	41,534,789.00	211,547,863.38	0.8%
2) Classified Salaries	2000-2999		49,092,264.66	24,058,563.40	73,150,828.06	49,932,301.00	24,069,357.00	74,001,658.00	1.2%
3) Employee Benefits	3000-3999		64,205,160.25	34,935,560.47	99,140,720.72	71,439,199.00	36,040,983.00	107,480,182.00	8.4%
4) Books and Supplies	4000-4999		14,843,977.21	11,396,073.95	26,240,051.16	5,220,865.50	9,955,146.55	15,176,012.05	-42.2%
5) Services and Other Operating Expenditures	5000-5999		25,582,176.81	14,684,154.68	40,266,331.49	19,320,258.00	11,967,557.80	31,287,815.80	-22.3%
6) Capital Outlay	6000-6999		16,231,778.84	335,422.00	16,567,200.84	4,143,232.00	205,736.65	4,348,968.65	-73.7%
7) Other Outgo (excluding Transfers of Indirect Costs)	7100-7299 7400-7499		7,790,061.00	508,000.00	8,298,061.00	7,452,199.00	845,795.00	8,297,994.00	0.0%
8) Other Outgo - Transfers of Indirect Costs	7300-7399		(1,526,807.00)	971,939.00	(554,868.00)	(1,789,996.00)	895,245.00	(894,751.00)	61.3%
9) TOTAL, EXPENDITURES			342,572,688.02	130,476,596.20	473,049,284.22	325,731,132.88	125,514,610.00	451,245,742.88	-4.6%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B9)			39,665,118.98	(58,160,018.20)	(18,494,899.22)	62,497,416.12	(64,040,037.00)	(1,542,620.88)	-91.7%
D. OTHER FINANCING SOURCES/USES									
1) Interfund Transfers									
a) Transfers In	8900-8929		9,507.00	0.00	9,507.00	15,000.00	0.00	15,000.00	57.8%
b) Transfers Out	7600-7629		2,037,542.12	0.00	2,037,542.12	1,920,809.00	0.00	1,920,809.00	-5.7%
2) Other Sources/Uses									
a) Sources	8930-8979		14,650,623.00	0.00	14,650,623.00	4,143,232.00	0.00	4,143,232.00	-71.7%
b) Uses	7630-7699		0.00	0.00	0.00	0.00	0.00	0.00	0.0%
3) Contributions	8980-8999		(58,417,208.20)	58,417,208.20	0.00	(60,624,976.00)	60,624,976.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			(45,794,620.32)	58,417,208.20	12,622,587.88	(58,387,553.00)	60,624,976.00	2,237,423.00	-82.3%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals			2017-18 Budget			% Diff Column C & F
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			(6,129,501.34)	257,190.00	(5,872,311.34)	4,109,863.12	(3,415,061.00)	694,802.12	-111.8%
F. FUND BALANCE, RESERVES									
1) Beginning Fund Balance									
a) As of July 1 - Unaudited		9791	35,203,251.51	3,157,875.07	38,361,126.58	26,997,723.17	3,415,065.07	30,412,788.24	-20.7%
b) Audit Adjustments		9793	(2,076,027.00)	0.00	(2,076,027.00)	0.00	0.00	0.00	-100.0%
c) As of July 1 - Audited (F1a + F1b)			33,127,224.51	3,157,875.07	36,285,099.58	26,997,723.17	3,415,065.07	30,412,788.24	-16.2%
d) Other Restatements		9795	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			33,127,224.51	3,157,875.07	36,285,099.58	26,997,723.17	3,415,065.07	30,412,788.24	-16.2%
2) Ending Balance, June 30 (E + F1e)			26,997,723.17	3,415,065.07	30,412,788.24	31,107,586.29	4.07	31,107,590.36	2.3%
Components of Ending Fund Balance									
a) Nonspendable									
Revolving Cash		9711	24,994.11	0.00	24,994.11	24,994.11	0.00	24,994.11	0.0%
Stores		9712	376,532.89	0.00	376,532.89	376,532.89	0.00	376,532.89	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.00	0.00	(1.48)	(1.48)	New
b) Restricted		9740	0.00	3,415,066.30	3,415,066.30	0.00	5.55	5.55	-100.0%
c) Committed									
Stabilization Arrangements		9750	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Other Commitments		9760	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
d) Assigned									
Other Assignments		9780	17,094,459.17	0.00	17,094,459.17	21,642,728.29	0.00	21,642,728.29	26.6%
e) Unassigned/unappropriated									
Reserve for Economic Uncertainties		9789	9,501,737.00	0.00	9,501,737.00	9,063,331.00	0.00	9,063,331.00	-4.6%
Unassigned/Unappropriated Amount		9790	0.00	(1.23)	(1.23)	0.00	0.00	0.00	-100.0%

			2016-17 Estimated Actuals			2017-18 Budget			
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	% Diff Column C & F
Description	Resource Codes	Object Codes							
G. ASSETS									
1) Cash									
a) in County Treasury		9110	33,147,280.65	(4,558,741.72)	28,588,538.93				
1) Fair Value Adjustment to Cash in County Treasury		9111	0.00	0.00	0.00				
b) in Banks		9120	884,101.42	211,063.60	1,095,165.02				
c) in Revolving Fund		9130	24,994.11	0.00	24,994.11				
d) with Fiscal Agent		9135	4,461,383.30	0.00	4,461,383.30				
e) collections awaiting deposit		9140	0.00	0.00	0.00				
2) Investments		9150	0.00	0.00	0.00				
3) Accounts Receivable		9200	7,920,780.42	11,853,925.99	19,774,706.41				
4) Due from Grantor Government		9290	0.00	0.00	0.00				
5) Due from Other Funds		9310	3,519,756.99	29,387.07	3,549,144.06				
6) Stores		9320	513,097.51	0.00	513,097.51				
7) Prepaid Expenditures		9330	0.00	0.00	0.00				
8) Other Current Assets		9340	0.00	0.00	0.00				
9) TOTAL, ASSETS			50,471,394.40	7,535,634.94	58,007,029.34				
H. DEFERRED OUTFLOWS OF RESOURCES									
1) Deferred Outflows of Resources		9490	0.00	0.00	0.00				
2) TOTAL, DEFERRED OUTFLOWS			0.00	0.00	0.00				
I. LIABILITIES									
1) Accounts Payable		9500	11,681,700.42	2,973,137.61	14,654,838.03				
2) Due to Grantor Governments		9590	391.83	0.00	391.83				
3) Due to Other Funds		9610	3,569,632.72	933.02	3,570,565.74				
4) Current Loans		9640	0.00	0.00	0.00				
5) Unearned Revenue		9650	16,418.00	1,403,689.72	1,420,107.72				
6) TOTAL, LIABILITIES			15,268,142.97	4,377,760.35	19,645,903.32				
J. DEFERRED INFLOWS OF RESOURCES									
1) Deferred Inflows of Resources		9690	0.00	0.00	0.00				
2) TOTAL, DEFERRED INFLOWS			0.00	0.00	0.00				
K. FUND EQUITY									
Ending Fund Balance, June 30 (G9 + H2) - (I6 + J2)			35,203,251.43	3,157,874.59	38,361,126.02				

			2016-17 Estimated Actuals			2017-18 Budget			
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	% Diff Column C & F
Description	Resource Codes	Object Codes							
LCFF SOURCES									
Principal Apportionment State Aid - Current Year		8011	222,173,576.00	0.00	222,173,576.00	235,979,067.00	0.00	235,979,067.00	6.2%
Education Protection Account State Aid - Current Year		8012	58,157,026.00	0.00	58,157,026.00	53,556,425.00	0.00	53,556,425.00	-7.9%
State Aid - Prior Years		8019	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Tax Relief Subventions Homeowners' Exemptions		8021	535,456.00	0.00	535,456.00	535,456.00	0.00	535,456.00	0.0%
Timber Yield Tax		8022	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Other Subventions/In-Lieu Taxes		8029	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
County & District Taxes Secured Roll Taxes		8041	70,928,832.00	0.00	70,928,832.00	70,928,832.00	0.00	70,928,832.00	0.0%
Unsecured Roll Taxes		8042	2,358,762.00	0.00	2,358,762.00	2,358,762.00	0.00	2,358,762.00	0.0%
Prior Years' Taxes		8043	(29,052.00)	0.00	(29,052.00)	(29,052.00)	0.00	(29,052.00)	0.0%
Supplemental Taxes		8044	3,785,910.00	0.00	3,785,910.00	3,785,910.00	0.00	3,785,910.00	0.0%
Education Revenue Augmentation Fund (ERAF)		8045	(866,788.00)	0.00	(866,788.00)	(866,788.00)	0.00	(866,788.00)	0.0%
Community Redevelopment Funds (SB 617/699/1992)		8047	4,386,543.00	0.00	4,386,543.00	4,386,543.00	0.00	4,386,543.00	0.0%
Penalties and Interest from Delinquent Taxes		8048	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Miscellaneous Funds (EC 41604) Royalties and Bonuses		8081	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Other In-Lieu Taxes		8082	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Less: Non-LCFF (50%) Adjustment		8089	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Subtotal, LCFF Sources			361,430,265.00	0.00	361,430,265.00	370,635,155.00	0.00	370,635,155.00	2.5%
LCFF Transfers									
Unrestricted LCFF Transfers - Current Year	0000	8091	(1,603,800.00)		(1,603,800.00)	(1,603,800.00)		(1,603,800.00)	0.0%
All Other LCFF Transfers - Current Year	All Other	8091	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Transfers to Charter Schools in Lieu of Property Taxes		8096	(1,931,922.00)	0.00	(1,931,922.00)	(1,930,090.00)	0.00	(1,930,090.00)	-0.1%
Property Taxes Transfers		8097	0.00	1,663,167.00	1,663,167.00	0.00	1,830,231.00	1,830,231.00	10.0%
LCFF/Revenue Limit Transfers - Prior Years		8099	0.00	0.00	0.00	0.00	0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals			2017-18 Budget			% Diff Column C & F
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
TOTAL, LCFF SOURCES			357,894,543.00	1,663,167.00	359,557,710.00	367,101,265.00	1,830,231.00	368,931,496.00	2.6%
FEDERAL REVENUE									
Maintenance and Operations		8110	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Special Education Entitlement		8181	0.00	6,492,020.00	6,492,020.00	0.00	5,388,376.00	5,388,376.00	-17.0%
Special Education Discretionary Grants		8182	0.00	446,643.00	446,643.00	0.00	375,060.00	375,060.00	-16.0%
Child Nutrition Programs		8220	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Donated Food Commodities		8221	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Forest Reserve Funds		8260	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Flood Control Funds		8270	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wildlife Reserve Funds		8280	10,000.00	0.00	10,000.00	10,000.00	0.00	10,000.00	0.0%
FEMA		8281	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Interagency Contracts Between LEAs		8285	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Pass-Through Revenues from Federal Sources		8287	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Title I, Part A, Basic	3010	8290		10,765,410.00	10,765,410.00		8,097,889.00	8,097,889.00	-24.8%
Title I, Part D, Local Delinquent Programs	3025	8290		0.00	0.00		0.00	0.00	0.0%
Title II, Part A, Educator Quality	4035	8290		1,580,739.00	1,580,739.00		922,988.00	922,988.00	-41.6%
Title III, Part A, Immigrant Education Program	4201	8290		86,980.00	86,980.00		49,475.00	49,475.00	-43.1%

			2016-17 Estimated Actuals			2017-18 Budget			% Diff Column C & F
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
Description	Resource Codes	Object Codes							
Title III, Part A, English Learner Program	4203	8290		832,990.00	832,990.00		677,247.00	677,247.00	-18.7%
Title V, Part B, Public Charter Schools Grant Program (PCSGP) (NCLB)	4610	8290		0.00	0.00		0.00	0.00	0.0%
Other NCLB / Every Student Succeeds Act	3199, 4036-4126, 5510	8290		2,863,105.00	2,863,105.00		1,583,120.00	1,583,120.00	-44.7%
Career and Technical Education	3500-3599	8290		678,022.00	678,022.00		475,788.00	475,788.00	-29.8%
All Other Federal Revenue	All Other	8290	1,012,988.00	466,790.00	1,479,778.00	374,628.00	483,542.00	858,170.00	-42.0%
TOTAL, FEDERAL REVENUE			1,022,988.00	24,212,699.00	25,235,687.00	384,628.00	18,053,485.00	18,438,113.00	-26.9%
OTHER STATE REVENUE									
Other State Apportionments									
ROC/P Entitlement Prior Years	6360	8319		0.00	0.00		0.00	0.00	0.0%
Special Education Master Plan Current Year	6500	8311		0.00	0.00		0.00	0.00	0.0%
Prior Years	6500	8319		0.00	0.00		0.00	0.00	0.0%
All Other State Apportionments - Current Year	All Other	8311	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
All Other State Apportionments - Prior Years	All Other	8319	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Child Nutrition Programs		8520	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Mandated Costs Reimbursements		8550	1,821,653.00	0.00	1,821,653.00	1,912,998.00	0.00	1,912,998.00	5.0%
Lottery - Unrestricted and Instructional Materials		8560	5,692,385.00	1,902,423.00	7,594,808.00	5,724,911.00	1,789,020.00	7,513,931.00	-1.1%
Tax Relief Subventions Restricted Levies - Other									
Homeowners' Exemptions		8575	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Other Subventions/In-Lieu Taxes		8576	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Pass-Through Revenues from State Sources		8587	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
After School Education and Safety (ASES)	6010	8590		0.00	0.00		0.00	0.00	0.0%
Charter School Facility Grant	6030	8590		0.00	0.00		0.00	0.00	0.0%
Drug/Alcohol/Tobacco Funds	6650, 6690	8590		0.00	0.00		0.00	0.00	0.0%
California Clean Energy Jobs Act	6230	8590		0.00	0.00		0.00	0.00	0.0%
Career Technical Education Incentive Grant Program	6387	8590		3,300,000.00	3,300,000.00		3,333,333.00	3,333,333.00	1.0%
American Indian Early Childhood Education	7210	8590		0.00	0.00		0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals			2017-18 Budget			% Diff Column C & F
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
Specialized Secondary	7370	8590		0.00	0.00		0.00	0.00	0.0%
Quality Education Investment Act	7400	8590		0.00	0.00		0.00	0.00	0.0%
Common Core State Standards Implementation	7405	8590		0.00	0.00		0.00	0.00	0.0%
All Other State Revenue	All Other	8590	8,126,029.00	18,615,960.00	26,741,989.00	5,883,936.00	14,212,132.00	20,096,068.00	-24.9%
TOTAL, OTHER STATE REVENUE			15,640,067.00	23,818,383.00	39,458,450.00	13,521,845.00	19,334,485.00	32,856,330.00	-16.7%

			2016-17 Estimated Actuals			2017-18 Budget			
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	% Diff Column C & F
Description	Resource Codes	Object Codes							
OTHER LOCAL REVENUE									
Other Local Revenue									
County and District Taxes									
Other Restricted Levies									
Secured Roll		8615	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Unsecured Roll		8616	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Prior Years' Taxes		8617	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Supplemental Taxes		8618	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Non-Ad Valorem Taxes									
Parcel Taxes		8621	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Other		8622	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Community Redevelopment Funds									
Not Subject to LCFF Deduction		8625	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Penalties and Interest from									
Delinquent Non-LCFF									
Taxes		8629	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Sales									
Sale of Equipment/Supplies		8631	19,799.00	0.00	19,799.00	10,000.00	0.00	10,000.00	-49.5%
Sale of Publications		8632	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Food Service Sales		8634	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
All Other Sales		8639	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Leases and Rentals		8650	215,219.00	0.00	215,219.00	200,000.00	0.00	200,000.00	-7.1%
Interest		8660	264,170.00	0.00	264,170.00	250,000.00	0.00	250,000.00	-5.4%
Net Increase (Decrease) in the Fair Value of Investments		8662	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Fees and Contracts									
Adult Education Fees		8671	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Non-Resident Students		8672	20,000.00	0.00	20,000.00	20,000.00	0.00	20,000.00	0.0%
Transportation Fees From Individuals		8675	406,000.00	0.00	406,000.00	406,000.00	0.00	406,000.00	0.0%
Interagency Services		8677	0.00	1,955,519.00	1,955,519.00	0.00	1,532,624.00	1,532,624.00	-21.6%
Mitigation/Developer Fees		8681	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
All Other Fees and Contracts		8689	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Other Local Revenue									
Plus: Misc Funds Non-LCFF (50%) Adjustment		8691	0.00	0.00	0.00	0.00	0.00	0.00	0.0%

			2016-17 Estimated Actuals			2017-18 Budget			% Diff Column C & F
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
Description	Resource Codes	Object Codes							
Pass-Through Revenues From Local Sources		8697	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
All Other Local Revenue		8699	6,755,021.00	1,416,463.00	8,171,484.00	6,334,811.00	300,000.00	6,634,811.00	-18.8%
Tuition		8710	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
All Other Transfers In		8781-8783	0.00	553,236.00	553,236.00	0.00	0.00	0.00	-100.0%
Transfers of Apportionments									
Special Education SELPA Transfers									
From Districts or Charter Schools	6500	8791		0.00	0.00		0.00	0.00	0.0%
From County Offices	6500	8792		18,697,111.00	18,697,111.00		20,423,748.00	20,423,748.00	9.2%
From JPAs	6500	8793		0.00	0.00		0.00	0.00	0.0%
ROC/P Transfers									
From Districts or Charter Schools	6360	8791		0.00	0.00		0.00	0.00	0.0%
From County Offices	6360	8792		0.00	0.00		0.00	0.00	0.0%
From JPAs	6360	8793		0.00	0.00		0.00	0.00	0.0%
Other Transfers of Apportionments									
From Districts or Charter Schools	All Other	8791	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
From County Offices	All Other	8792	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
From JPAs	All Other	8793	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
All Other Transfers In from All Others		8799	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
TOTAL, OTHER LOCAL REVENUE			7,680,209.00	22,622,329.00	30,302,538.00	7,220,811.00	22,256,372.00	29,477,183.00	-2.7%
TOTAL, REVENUES			382,237,807.00	72,316,578.00	454,554,385.00	388,228,549.00	61,474,573.00	449,703,122.00	-1.1%

			2016-17 Estimated Actuals			2017-18 Budget			
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
Description	Resource Codes	Object Codes							
CERTIFICATED SALARIES									
Certificated Teachers' Salaries		1100	122,328,782.56	35,787,445.54	158,116,228.10	123,731,870.38	34,805,864.00	158,537,734.38	0.3%
Certificated Pupil Support Salaries		1200	17,993,391.54	2,083,207.00	20,076,598.54	18,151,742.00	1,996,074.00	20,147,816.00	0.4%
Certificated Supervisors' and Administrators' Salaries		1300	16,128,482.20	1,241,956.00	17,370,438.20	16,597,427.00	1,374,242.00	17,971,669.00	3.5%
Other Certificated Salaries		1900	9,903,419.95	4,474,274.16	14,377,694.11	11,532,035.00	3,358,609.00	14,890,644.00	3.6%
TOTAL, CERTIFICATED SALARIES			166,354,076.25	43,586,882.70	209,940,958.95	170,013,074.38	41,534,789.00	211,547,863.38	0.8%
CLASSIFIED SALARIES									
Classified Instructional Salaries		2100	2,802,038.67	15,298,329.61	18,100,368.28	2,739,854.00	15,119,285.00	17,859,139.00	-1.3%
Classified Support Salaries		2200	20,498,581.01	5,482,642.22	25,981,223.23	20,423,325.00	6,003,566.00	26,426,891.00	1.7%
Classified Supervisors' and Administrators' Salaries		2300	2,497,115.00	296,529.13	2,793,644.13	2,633,348.00	214,096.00	2,847,444.00	1.9%
Clerical, Technical and Office Salaries		2400	19,711,017.20	1,911,436.15	21,622,453.35	20,674,677.00	1,919,972.00	22,594,649.00	4.5%
Other Classified Salaries		2900	3,583,512.78	1,069,626.29	4,653,139.07	3,461,097.00	812,438.00	4,273,535.00	-8.2%
TOTAL, CLASSIFIED SALARIES			49,092,264.66	24,058,563.40	73,150,828.06	49,932,301.00	24,069,357.00	74,001,658.00	1.2%
EMPLOYEE BENEFITS									
STRS		3101-3102	20,363,742.23	17,254,287.57	37,618,029.80	24,523,571.00	17,878,140.00	42,401,711.00	12.7%
PERS		3201-3202	6,438,410.68	3,291,063.21	9,729,473.89	8,037,726.00	3,965,783.00	12,003,509.00	23.4%
OASDI/Medicare/Alternative		3301-3302	6,063,241.89	2,460,635.38	8,523,877.27	6,384,910.40	2,515,682.00	8,900,592.40	4.4%
Health and Welfare Benefits		3401-3402	26,528,249.72	10,441,507.92	36,969,757.64	27,931,837.00	10,422,197.00	38,354,034.00	3.7%
Unemployment Insurance		3501-3502	107,871.20	33,557.60	141,428.80	110,650.00	32,833.00	143,483.00	1.5%
Workers' Compensation		3601-3602	4,032,453.53	1,454,508.79	5,486,962.32	4,115,823.60	1,226,348.00	5,342,171.60	-2.6%
OPEB, Allocated		3701-3702	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
OPEB, Active Employees		3751-3752	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Other Employee Benefits		3901-3902	671,191.00	0.00	671,191.00	334,681.00	0.00	334,681.00	-50.1%
TOTAL, EMPLOYEE BENEFITS			64,205,160.25	34,935,560.47	99,140,720.72	71,439,199.00	36,040,983.00	107,480,182.00	8.4%
BOOKS AND SUPPLIES									
Approved Textbooks and Core Curricula Materials		4100	4,621,833.12	2,029,852.00	6,651,685.12	0.00	1,402,646.00	1,402,646.00	-78.9%
Books and Other Reference Materials		4200	157,223.99	76,538.00	233,761.99	21,665.00	141,662.00	163,327.00	-30.1%
Materials and Supplies		4300	7,011,405.73	6,348,623.75	13,360,029.48	5,167,200.50	8,259,883.65	13,427,084.15	0.5%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals			2017-18 Budget			% Diff Column C & F
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
Noncapitalized Equipment		4400	3,053,514.37	2,941,060.20	5,994,574.57	32,000.00	150,954.90	182,954.90	-96.9%
Food		4700	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
TOTAL, BOOKS AND SUPPLIES			14,843,977.21	11,396,073.95	26,240,051.16	5,220,865.50	9,955,146.55	15,176,012.05	-42.2%
SERVICES AND OTHER OPERATING EXPENDITURES									
Subagreements for Services		5100	240,000.00	1,874,180.72	2,114,180.72	300,000.00	1,488,331.00	1,788,331.00	-15.4%
Travel and Conferences		5200	751,568.59	1,526,944.51	2,278,513.10	105,169.00	399,577.60	504,746.60	-77.8%
Dues and Memberships		5300	237,711.00	12,145.00	249,856.00	234,335.00	8,000.00	242,335.00	-3.0%
Insurance		5400 - 5450	1,898,794.00	2,511.00	1,901,305.00	2,182,882.00	0.00	2,182,882.00	14.8%
Operations and Housekeeping Services		5500	8,453,254.00	4,145.00	8,457,399.00	8,119,130.00	0.00	8,119,130.00	-4.0%
Rentals, Leases, Repairs, and Noncapitalized Improvements		5600	3,927,447.04	1,202,584.04	5,130,031.08	3,257,391.00	825,465.70	4,082,856.70	-20.4%
Transfers of Direct Costs		5710	(1,263,536.75)	1,263,536.75	0.00	(1,135,504.00)	1,135,504.00	0.00	0.0%
Transfers of Direct Costs - Interfund		5750	(63,851.05)	(71,151.00)	(135,002.05)	(29,552.00)	(109,194.50)	(138,746.50)	2.8%
Professional/Consulting Services and Operating Expenditures		5800	9,454,109.98	8,828,613.66	18,282,723.64	6,236,767.00	8,183,674.00	14,420,441.00	-21.1%
Communications		5900	1,946,680.00	40,645.00	1,987,325.00	49,640.00	36,200.00	85,840.00	-95.7%
TOTAL, SERVICES AND OTHER OPERATING EXPENDITURES			25,582,176.81	14,684,154.68	40,266,331.49	19,320,258.00	11,967,557.80	31,287,815.80	-22.3%

			2016-17 Estimated Actuals			2017-18 Budget			
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	% Diff Column C & F
Description	Resource Codes	Object Codes							
CAPITAL OUTLAY									
Land		6100	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Land Improvements		6170	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Buildings and Improvements of Buildings		6200	148,117.84	157,165.00	305,282.84	0.00	97,209.25	97,209.25	-68.2%
Books and Media for New School Libraries or Major Expansion of School Libraries		6300	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Equipment		6400	16,083,661.00	178,257.00	16,261,918.00	4,143,232.00	108,527.40	4,251,759.40	-73.9%
Equipment Replacement		6500	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
TOTAL, CAPITAL OUTLAY			16,231,778.84	335,422.00	16,567,200.84	4,143,232.00	205,736.65	4,348,968.65	-73.7%
OTHER OUTGO (excluding Transfers of Indirect Costs)									
Tuition									
Tuition for Instruction Under Interdistrict Attendance Agreements		7110	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
State Special Schools		7130	0.00	8,000.00	8,000.00	0.00	27,000.00	27,000.00	237.5%
Tuition, Excess Costs, and/or Deficit Payments									
Payments to Districts or Charter Schools		7141	0.00	32,333.00	32,333.00	0.00	0.00	0.00	-100.0%
Payments to County Offices		7142	0.00	467,667.00	467,667.00	0.00	818,795.00	818,795.00	75.1%
Payments to JPAs		7143	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Transfers of Pass-Through Revenues									
To Districts or Charter Schools		7211	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
To County Offices		7212	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
To JPAs		7213	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Special Education SELPA Transfers of Apportionments									
To Districts or Charter Schools	6500	7221		0.00	0.00		0.00	0.00	0.0%
To County Offices	6500	7222		0.00	0.00		0.00	0.00	0.0%
To JPAs	6500	7223		0.00	0.00		0.00	0.00	0.0%
ROC/P Transfers of Apportionments									
To Districts or Charter Schools	6360	7221		0.00	0.00		0.00	0.00	0.0%
To County Offices	6360	7222		0.00	0.00		0.00	0.00	0.0%
To JPAs	6360	7223		0.00	0.00		0.00	0.00	0.0%
Other Transfers of Apportionments	All Other	7221-7223	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
All Other Transfers		7281-7283	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
All Other Transfers Out to All Others		7299	0.00	0.00	0.00	0.00	0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals			2017-18 Budget			% Diff Column C & F
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
Debt Service									
Debt Service - Interest		7438	355,029.00	0.00	355,029.00	319,741.00	0.00	319,741.00	-9.9%
Other Debt Service - Principal		7439	7,435,032.00	0.00	7,435,032.00	7,132,458.00	0.00	7,132,458.00	-4.1%
TOTAL, OTHER OUTGO (excluding Transfers of Indirect Costs)			7,790,061.00	508,000.00	8,298,061.00	7,452,199.00	845,795.00	8,297,994.00	0.0%
OTHER OUTGO - TRANSFERS OF INDIRECT COSTS									
Transfers of Indirect Costs		7310	(971,939.00)	971,939.00	0.00	(895,245.00)	895,245.00	0.00	0.0%
Transfers of Indirect Costs - Interfund		7350	(554,868.00)	0.00	(554,868.00)	(894,751.00)	0.00	(894,751.00)	61.3%
TOTAL, OTHER OUTGO - TRANSFERS OF INDIRECT COSTS			(1,526,807.00)	971,939.00	(554,868.00)	(1,789,996.00)	895,245.00	(894,751.00)	61.3%
TOTAL, EXPENDITURES			342,572,688.02	130,476,596.20	473,049,284.22	325,731,132.88	125,514,610.00	451,245,742.88	-4.6%

			2016-17 Estimated Actuals			2017-18 Budget			
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
Description	Resource Codes	Object Codes							% Diff Column C & F
INTERFUND TRANSFERS									
INTERFUND TRANSFERS IN									
From: Special Reserve Fund		8912	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
From: Bond Interest and Redemption Fund		8914	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Other Authorized Interfund Transfers In		8919	9,507.00	0.00	9,507.00	15,000.00	0.00	15,000.00	57.8%
(a) TOTAL, INTERFUND TRANSFERS IN			9,507.00	0.00	9,507.00	15,000.00	0.00	15,000.00	57.8%
INTERFUND TRANSFERS OUT									
To: Child Development Fund		7611	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
To: Special Reserve Fund		7612	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
To: State School Building Fund/ County School Facilities Fund		7613	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
To: Cafeteria Fund		7616	582,359.12	0.00	582,359.12	0.00	0.00	0.00	-100.0%
Other Authorized Interfund Transfers Out		7619	1,455,183.00	0.00	1,455,183.00	1,920,809.00	0.00	1,920,809.00	32.0%
(b) TOTAL, INTERFUND TRANSFERS OUT			2,037,542.12	0.00	2,037,542.12	1,920,809.00	0.00	1,920,809.00	-5.7%
OTHER SOURCES/USES									
SOURCES									
State Apportionments Emergency Apportionments		8931	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Proceeds									
Proceeds from Sale/Lease- Purchase of Land/Buildings		8953	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Other Sources									
Transfers from Funds of Lapsed/Reorganized LEAs		8965	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Long-Term Debt Proceeds									
Proceeds from Certificates of Participation		8971	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Proceeds from Capital Leases		8972	14,650,623.00	0.00	14,650,623.00	4,143,232.00	0.00	4,143,232.00	-71.7%
Proceeds from Lease Revenue Bonds		8973	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
All Other Financing Sources		8979	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
(c) TOTAL, SOURCES			14,650,623.00	0.00	14,650,623.00	4,143,232.00	0.00	4,143,232.00	-71.7%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals			2017-18 Budget			% Diff Column C & F
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
USES									
Transfers of Funds from Lapsed/Reorganized LEAs		7651	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
All Other Financing Uses		7699	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
(d) TOTAL, USES			0.00	0.00	0.00	0.00	0.00	0.00	0.0%
CONTRIBUTIONS									
Contributions from Unrestricted Revenues		8980	(58,417,208.20)	58,417,208.20	0.00	(60,624,976.00)	60,624,976.00	0.00	0.0%
Contributions from Restricted Revenues		8990	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
(e) TOTAL, CONTRIBUTIONS			(58,417,208.20)	58,417,208.20	0.00	(60,624,976.00)	60,624,976.00	0.00	0.0%
TOTAL, OTHER FINANCING SOURCES/USES (a - b + c - d + e)			(45,794,620.32)	58,417,208.20	12,622,587.88	(58,387,553.00)	60,624,976.00	2,237,423.00	-82.3%

			2016-17 Estimated Actuals			2017-18 Budget			% Diff Column C & F
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
Description	Function Codes	Object Codes							
A. REVENUES									
1) LCFF Sources		8010-8099	357,894,543.00	1,663,167.00	359,557,710.00	367,101,265.00	1,830,231.00	368,931,496.00	2.6%
2) Federal Revenue		8100-8299	1,022,988.00	24,212,699.00	25,235,687.00	384,628.00	18,053,485.00	18,438,113.00	-26.9%
3) Other State Revenue		8300-8599	15,640,067.00	23,818,383.00	39,458,450.00	13,521,845.00	19,334,485.00	32,856,330.00	-16.7%
4) Other Local Revenue		8600-8799	7,680,209.00	22,622,329.00	30,302,538.00	7,220,811.00	22,256,372.00	29,477,183.00	-2.7%
5) TOTAL, REVENUES			382,237,807.00	72,316,578.00	454,554,385.00	388,228,549.00	61,474,573.00	449,703,122.00	-1.1%
B. EXPENDITURES (Objects 1000-7999)									
1) Instruction	1000-1999	Except 7600-7699	168,558,044.19	101,098,099.12	269,656,143.31	165,374,731.38	97,614,835.00	262,989,566.38	-2.5%
2) Instruction - Related Services	2000-2999		52,382,060.74	12,075,496.06	64,457,556.80	58,333,652.00	11,078,712.00	69,412,364.00	7.7%
3) Pupil Services	3000-3999		36,444,312.29	5,818,790.00	42,263,102.29	34,032,709.00	5,735,328.00	39,768,037.00	-5.9%
4) Ancillary Services	4000-4999		6,564,083.18	569,603.00	7,133,686.18	5,330,402.00	0.00	5,330,402.00	-25.3%
5) Community Services	5000-5999		340,119.00	0.00	340,119.00	26,511.00	0.00	26,511.00	-92.2%
6) Enterprise	6000-6999		0.00	0.00	0.00	0.00	0.00	0.00	0.0%
7) General Administration	7000-7999		41,847,752.27	1,137,977.00	42,985,729.27	29,681,417.50	1,053,160.00	30,734,577.50	-28.5%
8) Plant Services	8000-8999		28,646,183.35	9,268,631.02	37,914,814.37	25,499,511.00	9,186,780.00	34,686,291.00	-8.5%
9) Other Outgo	9000-9999		7,790,133.00	508,000.00	8,298,133.00	7,452,199.00	845,795.00	8,297,994.00	0.0%
10) TOTAL, EXPENDITURES			342,572,688.02	130,476,596.20	473,049,284.22	325,731,132.88	125,514,610.00	451,245,742.88	-4.6%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B10)			39,665,118.98	(58,160,018.20)	(18,494,899.22)	62,497,416.12	(64,040,037.00)	(1,542,620.88)	-91.7%
D. OTHER FINANCING SOURCES/USES									
1) Interfund Transfers		8900-8929	9,507.00	0.00	9,507.00	15,000.00	0.00	15,000.00	57.8%
a) Transfers In									
b) Transfers Out		7600-7629	2,037,542.12	0.00	2,037,542.12	1,920,809.00	0.00	1,920,809.00	-5.7%
2) Other Sources/Uses		8930-8979	14,650,623.00	0.00	14,650,623.00	4,143,232.00	0.00	4,143,232.00	-71.7%
a) Sources									
b) Uses		7630-7699	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
3) Contributions		8980-8999	(58,417,208.20)	58,417,208.20	0.00	(60,624,976.00)	60,624,976.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			(45,794,620.32)	58,417,208.20	12,622,587.88	(58,387,553.00)	60,624,976.00	2,237,423.00	-82.3%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals			2017-18 Budget			% Diff Column C & F
			Unrestricted (A)	Restricted (B)	Total Fund col. A + B (C)	Unrestricted (D)	Restricted (E)	Total Fund col. D + E (F)	
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			(6,129,501.34)	257,190.00	(5,872,311.34)	4,109,863.12	(3,415,061.00)	694,802.12	-111.8%
F. FUND BALANCE, RESERVES									
1) Beginning Fund Balance									
a) As of July 1 - Unaudited		9791	35,203,251.51	3,157,875.07	38,361,126.58	26,997,723.17	3,415,065.07	30,412,788.24	-20.7%
b) Audit Adjustments		9793	(2,076,027.00)	0.00	(2,076,027.00)	0.00	0.00	0.00	-100.0%
c) As of July 1 - Audited (F1a + F1b)			33,127,224.51	3,157,875.07	36,285,099.58	26,997,723.17	3,415,065.07	30,412,788.24	-16.2%
d) Other Restatements		9795	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			33,127,224.51	3,157,875.07	36,285,099.58	26,997,723.17	3,415,065.07	30,412,788.24	-16.2%
2) Ending Balance, June 30 (E + F1e)			26,997,723.17	3,415,065.07	30,412,788.24	31,107,586.29	4.07	31,107,590.36	2.3%
Components of Ending Fund Balance									
a) Nonspendable									
Revolving Cash		9711	24,994.11	0.00	24,994.11	24,994.11	0.00	24,994.11	0.0%
Stores		9712	376,532.89	0.00	376,532.89	376,532.89	0.00	376,532.89	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.00	0.00	(1.48)	(1.48)	New
b) Restricted		9740	0.00	3,415,066.30	3,415,066.30	0.00	5.55	5.55	-100.0%
c) Committed									
Stabilization Arrangements		9750	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Other Commitments (by Resource/Object)		9760	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
d) Assigned									
Other Assignments (by Resource/Object)		9780	17,094,459.17	0.00	17,094,459.17	21,642,728.29	0.00	21,642,728.29	26.6%
e) Unassigned/unappropriate									
Reserve for Economic Uncertainties		9789	9,501,737.00	0.00	9,501,737.00	9,063,331.00	0.00	9,063,331.00	-4.6%
Unassigned/Unappropriated Amount		9790	0.00	(1.23)	(1.23)	0.00	0.00	0.00	-100.0%

Resource	Description	2016-17	2017-18
		Estimated Actuals	Budget
4035	NCLB: Title II, Part A, Teacher Quality	0.14	0.14
4203	NCLB: Title III, Limited English Proficient (LEP) Student Program	0.01	0.01
5640	Medi-Cal Billing Option	0.95	0.95
6264	Educator Effectiveness (15-16)	1,607,747.75	0.00
6300	Lottery: Instructional Materials	0.82	0.82
6385	Governor's CTE Initiative: California Partnership Academies	0.58	0.58
6500	Special Education	1.00	3.00
7338	College Readiness Block Grant	1,807,315.00	0.00
7405	Common Core State Standards Implementation	0.05	0.05
Total, Restricted Balance		3,415,066.30	5.55

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	1,902,880.00	1,549,183.00	-18.6%
3) Other State Revenue		8300-8599	14,523,810.00	14,256,400.00	-1.8%
4) Other Local Revenue		8600-8799	497,390.00	264,938.00	-46.7%
5) TOTAL, REVENUES			16,924,080.00	16,070,521.00	-5.0%
B. EXPENDITURES					
1) Certificated Salaries		1000-1999	7,784,684.00	7,312,261.00	-6.1%
2) Classified Salaries		2000-2999	3,267,133.00	3,183,365.00	-2.6%
3) Employee Benefits		3000-3999	4,053,949.00	3,991,249.00	-1.5%
4) Books and Supplies		4000-4999	1,617,335.00	1,167,037.00	-27.8%
5) Services and Other Operating Expenditures		5000-5999	1,094,696.00	786,361.00	-28.2%
6) Capital Outlay		6000-6999	0.00	0.00	0.0%
7) Other Outgo (excluding Transfers of Indirect Costs)		7100-7299, 7400-7499	656,306.00	656,306.00	0.0%
8) Other Outgo - Transfers of Indirect Costs		7300-7399	554,868.00	894,751.00	61.3%
9) TOTAL, EXPENDITURES			19,028,971.00	17,991,330.00	-5.5%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B9)			(2,104,891.00)	(1,920,809.00)	-8.7%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	1,455,183.00	1,920,809.00	32.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			1,455,183.00	1,920,809.00	32.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			(649,708.00)	0.00	-100.0%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	649,706.74	(1.26)	-100.0%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			649,706.74	(1.26)	-100.0%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			649,706.74	(1.26)	-100.0%
2) Ending Balance, June 30 (E + F1e)			(1.26)	(1.26)	0.0%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.32	0.32	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments		9780	0.00	0.00	0.0%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	(1.58)	(1.58)	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
G. ASSETS					
1) Cash					
a) in County Treasury		9110	213,850.74		
1) Fair Value Adjustment to Cash in County Treasury		9111	0.00		
b) in Banks		9120	58,233.79		
c) in Revolving Fund		9130	0.00		
d) with Fiscal Agent		9135	0.00		
e) collections awaiting deposit		9140	0.00		
2) Investments		9150	0.00		
3) Accounts Receivable		9200	2,309,125.26		
4) Due from Grantor Government		9290	0.00		
5) Due from Other Funds		9310	610,240.84		
6) Stores		9320	0.00		
7) Prepaid Expenditures		9330	0.00		
8) Other Current Assets		9340	0.00		
9) TOTAL, ASSETS			3,191,450.63		
H. DEFERRED OUTFLOWS OF RESOURCES					
1) Deferred Outflows of Resources		9490	0.00		
2) TOTAL, DEFERRED OUTFLOWS			0.00		
I. LIABILITIES					
1) Accounts Payable		9500	506,811.02		
2) Due to Grantor Governments		9590	0.00		
3) Due to Other Funds		9610	2,034,932.77		
4) Current Loans		9640			
5) Unearned Revenue		9650	0.00		
6) TOTAL, LIABILITIES			2,541,743.79		
J. DEFERRED INFLOWS OF RESOURCES					
1) Deferred Inflows of Resources		9690	0.00		
2) TOTAL, DEFERRED INFLOWS			0.00		
K. FUND EQUITY					
Ending Fund Balance, June 30 (G9 + H2) - (I6 + J2)			649,706.84		

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
LCFF SOURCES					
LCFF Transfers					
LCFF Transfers - Current Year		8091	0.00	0.00	0.0%
LCFF/Revenue Limit Transfers - Prior Years		8099	0.00	0.00	0.0%
TOTAL, LCFF SOURCES			0.00	0.00	0.0%
FEDERAL REVENUE					
Interagency Contracts Between LEAs		8285	0.00	0.00	0.0%
No Child Left Behind	3105, 4045	8290	0.00	0.00	0.0%
Career and Technical Education	3500-3599	8290	453,390.00	346,103.00	-23.7%
All Other Federal Revenue	All Other	8290	1,449,490.00	1,203,080.00	-17.0%
TOTAL, FEDERAL REVENUE			1,902,880.00	1,549,183.00	-18.6%
OTHER STATE REVENUE					
Other State Apportionments					
All Other State Apportionments - Current Year		8311	0.00	0.00	0.0%
All Other State Apportionments - Prior Years		8319	0.00	0.00	0.0%
Pass-Through Revenues from State Sources		8587	656,306.00	656,306.00	0.0%
Adult Education Block Grant Program	6391	8590	13,341,390.00	13,222,630.00	-0.9%
All Other State Revenue	All Other	8590	526,114.00	377,464.00	-28.3%
TOTAL, OTHER STATE REVENUE			14,523,810.00	14,256,400.00	-1.8%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
OTHER LOCAL REVENUE					
Other Local Revenue					
Sales					
Sale of Equipment/Supplies		8631	0.00	0.00	0.0%
Leases and Rentals		8650	0.00	0.00	0.0%
Interest		8660	4,305.00	3,500.00	-18.7%
Net Increase (Decrease) in the Fair Value of Investments		8662	0.00	0.00	0.0%
Fees and Contracts					
Adult Education Fees		8671	239,215.00	215,784.00	-9.8%
Interagency Services		8677	0.00	0.00	0.0%
Other Local Revenue					
All Other Local Revenue		8699	253,870.00	45,654.00	-82.0%
Tuition		8710	0.00	0.00	0.0%
TOTAL, OTHER LOCAL REVENUE			497,390.00	264,938.00	-46.7%
TOTAL, REVENUES			16,924,080.00	16,070,521.00	-5.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
CERTIFICATED SALARIES					
Certificated Teachers' Salaries		1100	5,796,558.00	5,417,994.00	-6.5%
Certificated Pupil Support Salaries		1200	659,124.00	672,058.00	2.0%
Certificated Supervisors' and Administrators' Salaries		1300	906,686.00	892,463.00	-1.6%
Other Certificated Salaries		1900	422,316.00	329,746.00	-21.9%
TOTAL, CERTIFICATED SALARIES			7,784,684.00	7,312,261.00	-6.1%
CLASSIFIED SALARIES					
Classified Instructional Salaries		2100	18,125.00	19,081.00	5.3%
Classified Support Salaries		2200	825,492.00	902,011.00	9.3%
Classified Supervisors' and Administrators' Salaries		2300	0.00	0.00	0.0%
Clerical, Technical and Office Salaries		2400	1,968,647.00	1,861,979.00	-5.4%
Other Classified Salaries		2900	454,869.00	400,294.00	-12.0%
TOTAL, CLASSIFIED SALARIES			3,267,133.00	3,183,365.00	-2.6%
EMPLOYEE BENEFITS					
STRS		3101-3102	1,333,621.00	1,433,252.00	7.5%
PERS		3201-3202	441,975.00	503,552.00	13.9%
OASDI/Medicare/Alternative		3301-3302	379,639.00	360,613.00	-5.0%
Health and Welfare Benefits		3401-3402	1,551,463.00	1,391,926.00	-10.3%
Unemployment Insurance		3501-3502	5,622.00	5,263.00	-6.4%
Workers' Compensation		3601-3602	241,629.00	196,643.00	-18.6%
OPEB, Allocated		3701-3702	50,000.00	50,000.00	0.0%
OPEB, Active Employees		3751-3752	50,000.00	50,000.00	0.0%
Other Employee Benefits		3901-3902	0.00	0.00	0.0%
TOTAL, EMPLOYEE BENEFITS			4,053,949.00	3,991,249.00	-1.5%
BOOKS AND SUPPLIES					
Approved Textbooks and Core Curricula Materials		4100	20,775.00	12,277.00	-40.9%
Books and Other Reference Materials		4200	72,985.00	55,248.00	-24.3%
Materials and Supplies		4300	906,575.00	703,874.00	-22.4%
Noncapitalized Equipment		4400	617,000.00	395,638.00	-35.9%
TOTAL, BOOKS AND SUPPLIES			1,617,335.00	1,167,037.00	-27.8%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
SERVICES AND OTHER OPERATING EXPENDITURES					
Subagreements for Services		5100	0.00	0.00	0.0%
Travel and Conferences		5200	115,493.00	78,432.00	-32.1%
Dues and Memberships		5300	1,800.00	1,440.00	-20.0%
Insurance		5400-5450	0.00	0.00	0.0%
Operations and Housekeeping Services		5500	361,474.00	355,658.00	-1.6%
Rentals, Leases, Repairs, and Noncapitalized Improvements		5600	61,158.00	50,266.00	-17.8%
Transfers of Direct Costs		5710	0.00	0.00	0.0%
Transfers of Direct Costs - Interfund		5750	42,864.00	27,770.00	-35.2%
Professional/Consulting Services and Operating Expenditures		5800	329,612.00	167,321.00	-49.2%
Communications		5900	182,295.00	105,474.00	-42.1%
TOTAL, SERVICES AND OTHER OPERATING EXPENDITURES			1,094,696.00	786,361.00	-28.2%
CAPITAL OUTLAY					
Land		6100	0.00	0.00	0.0%
Land Improvements		6170	0.00	0.00	0.0%
Buildings and Improvements of Buildings		6200	0.00	0.00	0.0%
Equipment		6400	0.00	0.00	0.0%
Equipment Replacement		6500	0.00	0.00	0.0%
TOTAL, CAPITAL OUTLAY			0.00	0.00	0.0%
OTHER OUTGO (excluding Transfers of Indirect Costs)					
Tuition					
Tuition, Excess Costs, and/or Deficit Payments Payments to Districts or Charter Schools		7141	0.00	0.00	0.0%
Payments to County Offices		7142	0.00	0.00	0.0%
Payments to JPAs		7143	0.00	0.00	0.0%
Other Transfers Out					
Transfers of Pass-Through Revenues To Districts or Charter Schools		7211	656,306.00	656,306.00	0.0%
To County Offices		7212	0.00	0.00	0.0%
To JPAs		7213	0.00	0.00	0.0%
Debt Service					
Debt Service - Interest		7438	0.00	0.00	0.0%
Other Debt Service - Principal		7439	0.00	0.00	0.0%
TOTAL, OTHER OUTGO (excluding Transfers of Indirect Costs)			656,306.00	656,306.00	0.0%

			2016-17	2017-18	Percent
Description	Resource Codes	Object Codes	Estimated Actuals	Budget	Difference
OTHER OUTGO - TRANSFERS OF INDIRECT COSTS					
Transfers of Indirect Costs - Interfund		7350	554,868.00	894,751.00	61.3%
TOTAL, OTHER OUTGO - TRANSFERS OF INDIRECT COSTS			554,868.00	894,751.00	61.3%
TOTAL, EXPENDITURES			19,028,971.00	17,991,330.00	-5.5%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
INTERFUND TRANSFERS					
INTERFUND TRANSFERS IN					
Other Authorized Interfund Transfers In		8919	1,455,183.00	1,920,809.00	32.0%
(a) TOTAL, INTERFUND TRANSFERS IN			1,455,183.00	1,920,809.00	32.0%
INTERFUND TRANSFERS OUT					
To: State School Building Fund/ County School Facilities Fund		7613	0.00	0.00	0.0%
Other Authorized Interfund Transfers Out		7619	0.00	0.00	0.0%
(b) TOTAL, INTERFUND TRANSFERS OUT			0.00	0.00	0.0%
OTHER SOURCES/USES					
SOURCES					
Other Sources					
Transfers from Funds of Lapsed/Reorganized LEAs		8965	0.00	0.00	0.0%
Long-Term Debt Proceeds					
Proceeds from Certificates of Participation		8971	0.00	0.00	0.0%
Proceeds from Capital Leases		8972	0.00	0.00	0.0%
All Other Financing Sources		8979	0.00	0.00	0.0%
(c) TOTAL, SOURCES			0.00	0.00	0.0%
USES					
Transfers of Funds from Lapsed/Reorganized LEAs		7651	0.00	0.00	0.0%
All Other Financing Uses		7699	0.00	0.00	0.0%
(d) TOTAL, USES			0.00	0.00	0.0%
CONTRIBUTIONS					
Contributions from Unrestricted Revenues		8980	0.00	0.00	0.0%
Contributions from Restricted Revenues		8990	0.00	0.00	0.0%
(e) TOTAL, CONTRIBUTIONS			0.00	0.00	0.0%
TOTAL, OTHER FINANCING SOURCES/USES (a - b + c - d + e)			1,455,183.00	1,920,809.00	32.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	1,902,880.00	1,549,183.00	-18.6%
3) Other State Revenue		8300-8599	14,523,810.00	14,256,400.00	-1.8%
4) Other Local Revenue		8600-8799	497,390.00	264,938.00	-46.7%
5) TOTAL, REVENUES			16,924,080.00	16,070,521.00	-5.0%
B. EXPENDITURES (Objects 1000-7999)					
1) Instruction	1000-1999		9,481,300.00	8,581,103.00	-9.5%
2) Instruction - Related Services	2000-2999		5,899,110.00	5,403,343.00	-8.4%
3) Pupil Services	3000-3999		858,211.00	880,933.00	2.6%
4) Ancillary Services	4000-4999		0.00	0.00	0.0%
5) Community Services	5000-5999		0.00	0.00	0.0%
6) Enterprise	6000-6999		0.00	0.00	0.0%
7) General Administration	7000-7999		554,868.00	894,751.00	61.3%
8) Plant Services	8000-8999		1,579,176.00	1,574,894.00	-0.3%
9) Other Outgo	9000-9999	Except 7600-7699	656,306.00	656,306.00	0.0%
10) TOTAL, EXPENDITURES			19,028,971.00	17,991,330.00	-5.5%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B10)			(2,104,891.00)	(1,920,809.00)	-8.7%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	1,455,183.00	1,920,809.00	32.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			1,455,183.00	1,920,809.00	32.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			(649,708.00)	0.00	-100.0%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	649,706.74	(1.26)	-100.0%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			649,706.74	(1.26)	-100.0%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			649,706.74	(1.26)	-100.0%
2) Ending Balance, June 30 (E + F1e)			(1.26)	(1.26)	0.0%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.32	0.32	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments (by Resource/Object)		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments (by Resource/Object)		9780	0.00	0.00	0.0%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	(1.58)	(1.58)	0.0%

Resource	Description	2016-17	2017-18
		Estimated Actuals	Budget
6391	Adult Education Block Grant Program	0.16	0.16
9010	Other Restricted Local	0.16	0.16
Total, Restricted Balance		0.32	0.32

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	12,232,471.88	12,797,994.00	4.6%
3) Other State Revenue		8300-8599	829,831.00	863,025.00	4.0%
4) Other Local Revenue		8600-8799	1,409,014.00	1,472,350.00	4.5%
5) TOTAL, REVENUES			14,471,316.88	15,133,369.00	4.6%
B. EXPENDITURES					
1) Certificated Salaries		1000-1999	0.00	0.00	0.0%
2) Classified Salaries		2000-2999	6,028,977.00	5,556,877.00	-7.8%
3) Employee Benefits		3000-3999	1,726,467.00	2,561,091.00	48.3%
4) Books and Supplies		4000-4999	6,667,914.81	6,611,239.00	-0.8%
5) Services and Other Operating Expenditures		5000-5999	534,069.16	384,340.00	-28.0%
6) Capital Outlay		6000-6999	42,303.02	0.00	-100.0%
7) Other Outgo (excluding Transfers of Indirect Costs)		7100-7299, 7400-7499	0.00	0.00	0.0%
8) Other Outgo - Transfers of Indirect Costs		7300-7399	0.00	0.00	0.0%
9) TOTAL, EXPENDITURES			14,999,730.99	15,113,547.00	0.8%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B9)			(528,414.11)	19,822.00	-103.8%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	582,359.12	0.00	-100.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			582,359.12	0.00	-100.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			53,945.01	19,822.00	-63.3%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	421,959.79	475,904.80	12.8%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			421,959.79	475,904.80	12.8%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			421,959.79	475,904.80	12.8%
2) Ending Balance, June 30 (E + F1e)			475,904.80	495,726.80	4.2%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	750.00	0.00	-100.0%
Stores		9712	353,616.85	0.00	-100.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	121,537.95	495,726.80	307.9%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments		9780	0.00	0.00	0.0%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
G. ASSETS					
1) Cash					
a) in County Treasury		9110	2,112,122.85		
1) Fair Value Adjustment to Cash in County Treasury		9111	0.00		
b) in Banks		9120	519,913.03		
c) in Revolving Fund		9130	750.00		
d) with Fiscal Agent		9135	0.00		
e) collections awaiting deposit		9140	0.00		
2) Investments		9150	0.00		
3) Accounts Receivable		9200	1,406,845.27		
4) Due from Grantor Government		9290	0.00		
5) Due from Other Funds		9310	160,246.91		
6) Stores		9320	353,616.85		
7) Prepaid Expenditures		9330	0.00		
8) Other Current Assets		9340	0.00		
9) TOTAL, ASSETS			4,553,494.91		
H. DEFERRED OUTFLOWS OF RESOURCES					
1) Deferred Outflows of Resources		9490	0.00		
2) TOTAL, DEFERRED OUTFLOWS			0.00		
I. LIABILITIES					
1) Accounts Payable		9500	168,955.19		
2) Due to Grantor Governments		9590	0.00		
3) Due to Other Funds		9610	4,261,281.93		
4) Current Loans		9640			
5) Unearned Revenue		9650	0.00		
6) TOTAL, LIABILITIES			4,430,237.12		
J. DEFERRED INFLOWS OF RESOURCES					
1) Deferred Inflows of Resources		9690	0.00		
2) TOTAL, DEFERRED INFLOWS			0.00		
K. FUND EQUITY					
Ending Fund Balance, June 30 (G9 + H2) - (I6 + J2)			123,257.79		

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
FEDERAL REVENUE					
Child Nutrition Programs		8220	11,759,620.66	12,797,994.00	8.8%
Donated Food Commodities		8221	436,069.22	0.00	-100.0%
All Other Federal Revenue		8290	36,782.00	0.00	-100.0%
TOTAL, FEDERAL REVENUE			12,232,471.88	12,797,994.00	4.6%
OTHER STATE REVENUE					
Child Nutrition Programs		8520	829,831.00	863,025.00	4.0%
All Other State Revenue		8590	0.00	0.00	0.0%
TOTAL, OTHER STATE REVENUE			829,831.00	863,025.00	4.0%
OTHER LOCAL REVENUE					
Other Local Revenue					
Sales					
Sale of Equipment/Supplies		8631	0.00	0.00	0.0%
Food Service Sales		8634	1,242,262.99	1,472,350.00	18.5%
Leases and Rentals		8650	0.00	0.00	0.0%
Interest		8660	5,446.50	0.00	-100.0%
Net Increase (Decrease) in the Fair Value of Investments		8662	0.00	0.00	0.0%
Fees and Contracts					
Interagency Services		8677	0.00	0.00	0.0%
Other Local Revenue					
All Other Local Revenue		8699	161,304.51	0.00	-100.0%
TOTAL, OTHER LOCAL REVENUE			1,409,014.00	1,472,350.00	4.5%
TOTAL, REVENUES			14,471,316.88	15,133,369.00	4.6%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
CERTIFICATED SALARIES					
Certificated Supervisors' and Administrators' Salaries		1300	0.00	0.00	0.0%
Other Certificated Salaries		1900	0.00	0.00	0.0%
TOTAL, CERTIFICATED SALARIES			0.00	0.00	0.0%
CLASSIFIED SALARIES					
Classified Support Salaries		2200	5,572,260.00	5,074,927.00	-8.9%
Classified Supervisors' and Administrators' Salaries		2300	132,846.00	136,541.00	2.8%
Clerical, Technical and Office Salaries		2400	309,362.00	331,564.00	7.2%
Other Classified Salaries		2900	14,509.00	13,845.00	-4.6%
TOTAL, CLASSIFIED SALARIES			6,028,977.00	5,556,877.00	-7.8%
EMPLOYEE BENEFITS					
STRS		3101-3102	0.00	0.00	0.0%
PERS		3201-3202	436,153.00	830,929.00	90.5%
OASDI/Medicare/Alternative		3301-3302	375,300.00	454,787.00	21.2%
Health and Welfare Benefits		3401-3402	800,865.00	1,180,442.00	47.4%
Unemployment Insurance		3501-3502	2,892.00	2,491.00	-13.9%
Workers' Compensation		3601-3602	111,257.00	92,442.00	-16.9%
OPEB, Allocated		3701-3702	0.00	0.00	0.0%
OPEB, Active Employees		3751-3752	0.00	0.00	0.0%
Other Employee Benefits		3901-3902	0.00	0.00	0.0%
TOTAL, EMPLOYEE BENEFITS			1,726,467.00	2,561,091.00	48.3%
BOOKS AND SUPPLIES					
Books and Other Reference Materials		4200	0.00	0.00	0.0%
Materials and Supplies		4300	65,367.21	60,630.00	-7.2%
Noncapitalized Equipment		4400	91,359.98	57,063.00	-37.5%
Food		4700	6,511,187.62	6,493,546.00	-0.3%
TOTAL, BOOKS AND SUPPLIES			6,667,914.81	6,611,239.00	-0.8%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
SERVICES AND OTHER OPERATING EXPENDITURES					
Subagreements for Services		5100	0.00	0.00	0.0%
Travel and Conferences		5200	8,857.00	4,162.00	-53.0%
Dues and Memberships		5300	0.00	0.00	0.0%
Insurance		5400-5450	0.00	0.00	0.0%
Operations and Housekeeping Services		5500	53,371.00	40,728.00	-23.7%
Rentals, Leases, Repairs, and Noncapitalized Improvements		5600	134,500.99	84,883.00	-36.9%
Transfers of Direct Costs		5710	0.00	0.00	0.0%
Transfers of Direct Costs - Interfund		5750	74,875.00	35,823.00	-52.2%
Professional/Consulting Services and Operating Expenditures		5800	241,871.17	213,877.00	-11.6%
Communications		5900	20,594.00	4,867.00	-76.4%
TOTAL, SERVICES AND OTHER OPERATING EXPENDITURES			534,069.16	384,340.00	-28.0%
CAPITAL OUTLAY					
Buildings and Improvements of Buildings		6200	0.00	0.00	0.0%
Equipment		6400	42,303.02	0.00	-100.0%
Equipment Replacement		6500	0.00	0.00	0.0%
TOTAL, CAPITAL OUTLAY			42,303.02	0.00	-100.0%
OTHER OUTGO (excluding Transfers of Indirect Costs)					
Debt Service					
Debt Service - Interest		7438	0.00	0.00	0.0%
Other Debt Service - Principal		7439	0.00	0.00	0.0%
TOTAL, OTHER OUTGO (excluding Transfers of Indirect Costs)			0.00	0.00	0.0%
OTHER OUTGO - TRANSFERS OF INDIRECT COSTS					
Transfers of Indirect Costs - Interfund		7350	0.00	0.00	0.0%
TOTAL, OTHER OUTGO - TRANSFERS OF INDIRECT COSTS			0.00	0.00	0.0%
TOTAL, EXPENDITURES			14,999,730.99	15,113,547.00	0.8%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
INTERFUND TRANSFERS					
INTERFUND TRANSFERS IN					
From: General Fund		8916	582,359.12	0.00	-100.0%
Other Authorized Interfund Transfers In		8919	0.00	0.00	0.0%
(a) TOTAL, INTERFUND TRANSFERS IN			582,359.12	0.00	-100.0%
INTERFUND TRANSFERS OUT					
Other Authorized Interfund Transfers Out		7619	0.00	0.00	0.0%
(b) TOTAL, INTERFUND TRANSFERS OUT			0.00	0.00	0.0%
OTHER SOURCES/USES					
SOURCES					
Other Sources					
Transfers from Funds of Lapsed/Reorganized LEAs		8965	0.00	0.00	0.0%
Long-Term Debt Proceeds					
Proceeds from Capital Leases		8972	0.00	0.00	0.0%
All Other Financing Sources		8979	0.00	0.00	0.0%
(c) TOTAL, SOURCES			0.00	0.00	0.0%
USES					
Transfers of Funds from Lapsed/Reorganized LEAs		7651	0.00	0.00	0.0%
All Other Financing Uses		7699	0.00	0.00	0.0%
(d) TOTAL, USES			0.00	0.00	0.0%
CONTRIBUTIONS					
Contributions from Unrestricted Revenues		8980	0.00	0.00	0.0%
Contributions from Restricted Revenues		8990	0.00	0.00	0.0%
(e) TOTAL, CONTRIBUTIONS			0.00	0.00	0.0%
TOTAL, OTHER FINANCING SOURCES/USES (a - b + c - d + e)			582,359.12	0.00	-100.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	12,232,471.88	12,797,994.00	4.6%
3) Other State Revenue		8300-8599	829,831.00	863,025.00	4.0%
4) Other Local Revenue		8600-8799	1,409,014.00	1,472,350.00	4.5%
5) TOTAL, REVENUES			14,471,316.88	15,133,369.00	4.6%
B. EXPENDITURES (Objects 1000-7999)					
1) Instruction	1000-1999		0.00	0.00	0.0%
2) Instruction - Related Services	2000-2999		0.00	0.00	0.0%
3) Pupil Services	3000-3999		14,885,601.99	14,988,570.00	0.7%
4) Ancillary Services	4000-4999		0.00	0.00	0.0%
5) Community Services	5000-5999		0.00	0.00	0.0%
6) Enterprise	6000-6999		0.00	0.00	0.0%
7) General Administration	7000-7999		0.00	0.00	0.0%
8) Plant Services	8000-8999		114,129.00	124,977.00	9.5%
9) Other Outgo	9000-9999	Except 7600-7699	0.00	0.00	0.0%
10) TOTAL, EXPENDITURES			14,999,730.99	15,113,547.00	0.8%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B10)			(528,414.11)	19,822.00	-103.8%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	582,359.12	0.00	-100.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			582,359.12	0.00	-100.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			53,945.01	19,822.00	-63.3%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	421,959.79	475,904.80	12.8%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			421,959.79	475,904.80	12.8%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			421,959.79	475,904.80	12.8%
2) Ending Balance, June 30 (E + F1e)			475,904.80	495,726.80	4.2%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	750.00	0.00	-100.0%
Stores		9712	353,616.85	0.00	-100.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	121,537.95	495,726.80	307.9%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments (by Resource/Object)		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments (by Resource/Object)		9780	0.00	0.00	0.0%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Resource	Description	2016-17	2017-18
		Estimated Actuals	Budget
5310	Child Nutrition: School Programs (e.g., School Lunch, School I	1,399.48	355,766.33
5320	Child Nutrition: Child Care Food Program (CCFP) Claims-Cen	107,908.37	127,730.37
9010	Other Restricted Local	12,230.10	12,230.10
Total, Restricted Balance		121,537.95	495,726.80

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	1,603,800.00	1,603,800.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	21,639.00	7,500.00	-65.3%
5) TOTAL, REVENUES			1,625,439.00	1,611,300.00	-0.9%
B. EXPENDITURES					
1) Certificated Salaries		1000-1999	0.00	0.00	0.0%
2) Classified Salaries		2000-2999	0.00	0.00	0.0%
3) Employee Benefits		3000-3999	0.00	0.00	0.0%
4) Books and Supplies		4000-4999	114,300.00	0.00	-100.0%
5) Services and Other Operating Expenditures		5000-5999	2,609,522.60	1,601,379.00	-38.6%
6) Capital Outlay		6000-6999	152,473.52	1,966,000.00	1189.4%
7) Other Outgo (excluding Transfers of Indirect Costs)		7100-7299, 7400-7499	0.00	0.00	0.0%
8) Other Outgo - Transfers of Indirect Costs		7300-7399	0.00	0.00	0.0%
9) TOTAL, EXPENDITURES			2,876,296.12	3,567,379.00	24.0%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B9)			(1,250,857.12)	(1,956,079.00)	56.4%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			(1,250,857.12)	(1,956,079.00)	56.4%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	4,985,420.64	3,734,563.52	-25.1%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			4,985,420.64	3,734,563.52	-25.1%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			4,985,420.64	3,734,563.52	-25.1%
2) Ending Balance, June 30 (E + F1e)			3,734,563.52	1,778,484.52	-52.4%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.00	0.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments		9760	3,734,563.52	1,778,484.52	-52.4%
d) Assigned					
Other Assignments		9780	0.00	0.00	0.0%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
G. ASSETS					
1) Cash					
a) in County Treasury		9110	4,517,040.46		
1) Fair Value Adjustment to Cash in County Treasury		9111	0.00		
b) in Banks		9120	0.00		
c) in Revolving Fund		9130	0.00		
d) with Fiscal Agent		9135	0.00		
e) collections awaiting deposit		9140	0.00		
2) Investments		9150	0.00		
3) Accounts Receivable		9200	6,819.77		
4) Due from Grantor Government		9290	0.00		
5) Due from Other Funds		9310	1,616,911.25		
6) Stores		9320	0.00		
7) Prepaid Expenditures		9330	0.00		
8) Other Current Assets		9340	0.00		
9) TOTAL, ASSETS			6,140,771.48		
H. DEFERRED OUTFLOWS OF RESOURCES					
1) Deferred Outflows of Resources		9490	0.00		
2) TOTAL, DEFERRED OUTFLOWS			0.00		
I. LIABILITIES					
1) Accounts Payable		9500	1,155,347.34		
2) Due to Grantor Governments		9590	0.00		
3) Due to Other Funds		9610	3.50		
4) Current Loans		9640			
5) Unearned Revenue		9650	0.00		
6) TOTAL, LIABILITIES			1,155,350.84		
J. DEFERRED INFLOWS OF RESOURCES					
1) Deferred Inflows of Resources		9690	0.00		
2) TOTAL, DEFERRED INFLOWS			0.00		
K. FUND EQUITY					
Ending Fund Balance, June 30 (G9 + H2) - (I6 + J2)			4,985,420.64		

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
LCFF SOURCES					
LCFF Transfers					
LCFF Transfers - Current Year		8091	1,603,800.00	1,603,800.00	0.0%
LCFF/Revenue Limit Transfers - Prior Years		8099	0.00	0.00	0.0%
TOTAL, LCFF SOURCES			1,603,800.00	1,603,800.00	0.0%
OTHER STATE REVENUE					
All Other State Revenue		8590	0.00	0.00	0.0%
TOTAL, OTHER STATE REVENUE			0.00	0.00	0.0%
OTHER LOCAL REVENUE					
Other Local Revenue					
Community Redevelopment Funds Not Subject to LCFF Deduction		8625	0.00	0.00	0.0%
Sales					
Sale of Equipment/Supplies		8631	0.00	0.00	0.0%
Interest		8660	21,639.00	7,500.00	-65.3%
Net Increase (Decrease) in the Fair Value of Investments		8662	0.00	0.00	0.0%
Other Local Revenue					
All Other Local Revenue		8699	0.00	0.00	0.0%
All Other Transfers In from All Others		8799	0.00	0.00	0.0%
TOTAL, OTHER LOCAL REVENUE			21,639.00	7,500.00	-65.3%
TOTAL, REVENUES			1,625,439.00	1,611,300.00	-0.9%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
CLASSIFIED SALARIES					
Classified Support Salaries		2200	0.00	0.00	0.0%
Other Classified Salaries		2900	0.00	0.00	0.0%
TOTAL, CLASSIFIED SALARIES			0.00	0.00	0.0%
EMPLOYEE BENEFITS					
STRS		3101-3102	0.00	0.00	0.0%
PERS		3201-3202	0.00	0.00	0.0%
OASDI/Medicare/Alternative		3301-3302	0.00	0.00	0.0%
Health and Welfare Benefits		3401-3402	0.00	0.00	0.0%
Unemployment Insurance		3501-3502	0.00	0.00	0.0%
Workers' Compensation		3601-3602	0.00	0.00	0.0%
OPEB, Allocated		3701-3702	0.00	0.00	0.0%
OPEB, Active Employees		3751-3752	0.00	0.00	0.0%
Other Employee Benefits		3901-3902	0.00	0.00	0.0%
TOTAL, EMPLOYEE BENEFITS			0.00	0.00	0.0%
BOOKS AND SUPPLIES					
Books and Other Reference Materials		4200	0.00	0.00	0.0%
Materials and Supplies		4300	114,300.00	0.00	-100.0%
Noncapitalized Equipment		4400	0.00	0.00	0.0%
TOTAL, BOOKS AND SUPPLIES			114,300.00	0.00	-100.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
SERVICES AND OTHER OPERATING EXPENDITURES					
Subagreements for Services		5100	0.00	0.00	0.0%
Travel and Conferences		5200	0.00	0.00	0.0%
Rentals, Leases, Repairs, and Noncapitalized Improvements		5600	2,597,837.60	1,599,879.00	-38.4%
Transfers of Direct Costs		5710	0.00	0.00	0.0%
Transfers of Direct Costs - Interfund		5750	(1,000.00)	1,500.00	-250.0%
Professional/Consulting Services and Operating Expenditures		5800	12,685.00	0.00	-100.0%
TOTAL, SERVICES AND OTHER OPERATING EXPENDITURES			2,609,522.60	1,601,379.00	-38.6%
CAPITAL OUTLAY					
Land Improvements		6170	0.00	0.00	0.0%
Buildings and Improvements of Buildings		6200	152,473.52	1,966,000.00	1189.4%
Equipment		6400	0.00	0.00	0.0%
Equipment Replacement		6500	0.00	0.00	0.0%
TOTAL, CAPITAL OUTLAY			152,473.52	1,966,000.00	1189.4%
OTHER OUTGO (excluding Transfers of Indirect Costs)					
Debt Service					
Debt Service - Interest		7438	0.00	0.00	0.0%
Other Debt Service - Principal		7439	0.00	0.00	0.0%
TOTAL, OTHER OUTGO (excluding Transfers of Indirect Costs)			0.00	0.00	0.0%
TOTAL, EXPENDITURES			2,876,296.12	3,567,379.00	24.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
INTERFUND TRANSFERS					
INTERFUND TRANSFERS IN					
Other Authorized Interfund Transfers In		8919	0.00	0.00	0.0%
(a) TOTAL, INTERFUND TRANSFERS IN			0.00	0.00	0.0%
INTERFUND TRANSFERS OUT					
Other Authorized Interfund Transfers Out		7619	0.00	0.00	0.0%
(b) TOTAL, INTERFUND TRANSFERS OUT			0.00	0.00	0.0%
OTHER SOURCES/USES					
SOURCES					
Other Sources					
Transfers from Funds of Lapsed/Reorganized LEAs		8965	0.00	0.00	0.0%
Long-Term Debt Proceeds					
Proceeds from Capital Leases		8972	0.00	0.00	0.0%
All Other Financing Sources		8979	0.00	0.00	0.0%
(c) TOTAL, SOURCES			0.00	0.00	0.0%
USES					
Transfers of Funds from Lapsed/Reorganized LEAs		7651	0.00	0.00	0.0%
All Other Financing Uses		7699	0.00	0.00	0.0%
(d) TOTAL, USES			0.00	0.00	0.0%
CONTRIBUTIONS					
Contributions from Unrestricted Revenues		8980	0.00	0.00	0.0%
Contributions from Restricted Revenues		8990	0.00	0.00	0.0%
(e) TOTAL, CONTRIBUTIONS			0.00	0.00	0.0%
TOTAL, OTHER FINANCING SOURCES/USES (a - b + c - d + e)			0.00	0.00	0.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	1,603,800.00	1,603,800.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	21,639.00	7,500.00	-65.3%
5) TOTAL, REVENUES			1,625,439.00	1,611,300.00	-0.9%
B. EXPENDITURES (Objects 1000-7999)					
1) Instruction	1000-1999		0.00	0.00	0.0%
2) Instruction - Related Services	2000-2999		0.00	0.00	0.0%
3) Pupil Services	3000-3999		0.00	0.00	0.0%
4) Ancillary Services	4000-4999		0.00	0.00	0.0%
5) Community Services	5000-5999		0.00	0.00	0.0%
6) Enterprise	6000-6999		0.00	0.00	0.0%
7) General Administration	7000-7999		0.00	0.00	0.0%
8) Plant Services	8000-8999		2,876,296.12	3,567,379.00	24.0%
9) Other Outgo	9000-9999	Except 7600-7699	0.00	0.00	0.0%
10) TOTAL, EXPENDITURES			2,876,296.12	3,567,379.00	24.0%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B10)			(1,250,857.12)	(1,956,079.00)	56.4%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			0.00	0.00	0.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			(1,250,857.12)	(1,956,079.00)	56.4%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	4,985,420.64	3,734,563.52	-25.1%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			4,985,420.64	3,734,563.52	-25.1%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			4,985,420.64	3,734,563.52	-25.1%
2) Ending Balance, June 30 (E + F1e)			3,734,563.52	1,778,484.52	-52.4%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.00	0.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments (by Resource/Object)		9760	3,734,563.52	1,778,484.52	-52.4%
d) Assigned					
Other Assignments (by Resource/Object)		9780	0.00	0.00	0.0%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Resource	Description	2016-17	2017-18
		Estimated Actuals	Budget
Total, Restricted Balance		0.00	0.00

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	0.00	0.00	0.0%
5) TOTAL, REVENUES			0.00	0.00	0.0%
B. EXPENDITURES					
1) Certificated Salaries		1000-1999	0.00	0.00	0.0%
2) Classified Salaries		2000-2999	0.00	0.00	0.0%
3) Employee Benefits		3000-3999	0.00	0.00	0.0%
4) Books and Supplies		4000-4999	0.00	0.00	0.0%
5) Services and Other Operating Expenditures		5000-5999	0.00	0.00	0.0%
6) Capital Outlay		6000-6999	0.00	0.00	0.0%
7) Other Outgo (excluding Transfers of Indirect Costs)		7100-7299, 7400-7499	0.00	0.00	0.0%
8) Other Outgo - Transfers of Indirect Costs		7300-7399	0.00	0.00	0.0%
9) TOTAL, EXPENDITURES			0.00	0.00	0.0%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B9)			0.00	0.00	0.0%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			0.00	0.00	0.0%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	0.23	0.23	0.0%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			0.23	0.23	0.0%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			0.23	0.23	0.0%
2) Ending Balance, June 30 (E + F1e)			0.23	0.23	0.0%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.00	0.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments		9780	0.23	0.23	0.0%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
G. ASSETS					
1) Cash					
a) in County Treasury		9110	0.23		
1) Fair Value Adjustment to Cash in County Treasury		9111	0.00		
b) in Banks		9120	0.00		
c) in Revolving Fund		9130	0.00		
d) with Fiscal Agent		9135	0.00		
e) collections awaiting deposit		9140	0.00		
2) Investments		9150	0.00		
3) Accounts Receivable		9200	0.00		
4) Due from Grantor Government		9290	0.00		
5) Due from Other Funds		9310	0.00		
6) Stores		9320	0.00		
7) Prepaid Expenditures		9330	0.00		
8) Other Current Assets		9340	0.00		
9) TOTAL, ASSETS			0.23		
H. DEFERRED OUTFLOWS OF RESOURCES					
1) Deferred Outflows of Resources		9490	0.00		
2) TOTAL, DEFERRED OUTFLOWS			0.00		
I. LIABILITIES					
1) Accounts Payable		9500	0.00		
2) Due to Grantor Governments		9590	0.00		
3) Due to Other Funds		9610	0.00		
4) Current Loans		9640			
5) Unearned Revenue		9650	0.00		
6) TOTAL, LIABILITIES			0.00		
J. DEFERRED INFLOWS OF RESOURCES					
1) Deferred Inflows of Resources		9690	0.00		
2) TOTAL, DEFERRED INFLOWS			0.00		
K. FUND EQUITY					
Ending Fund Balance, June 30 (G9 + H2) - (I6 + J2)			0.23		

			2016-17	2017-18	Percent
Description	Resource Codes	Object Codes	Estimated Actuals	Budget	Difference
OTHER LOCAL REVENUE					
Other Local Revenue					
Sales					
Sale of Equipment/Supplies		8631	0.00	0.00	0.0%
Interest		8660	0.00	0.00	0.0%
Net Increase (Decrease) in the Fair Value of Investments		8662	0.00	0.00	0.0%
TOTAL, OTHER LOCAL REVENUE			0.00	0.00	0.0%
TOTAL, REVENUES			0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
INTERFUND TRANSFERS					
INTERFUND TRANSFERS IN					
From: General Fund/CSSF		8912	0.00	0.00	0.0%
Other Authorized Interfund Transfers In		8919	0.00	0.00	0.0%
(a) TOTAL, INTERFUND TRANSFERS IN			0.00	0.00	0.0%
INTERFUND TRANSFERS OUT					
To: General Fund/CSSF		7612	0.00	0.00	0.0%
To: State School Building Fund/ County School Facilities Fund		7613	0.00	0.00	0.0%
Other Authorized Interfund Transfers Out		7619	0.00	0.00	0.0%
(b) TOTAL, INTERFUND TRANSFERS OUT			0.00	0.00	0.0%
OTHER SOURCES/USES					
SOURCES					
Other Sources					
Transfers from Funds of Lapsed/Reorganized LEAs		8965	0.00	0.00	0.0%
(c) TOTAL, SOURCES			0.00	0.00	0.0%
USES					
Transfers of Funds from Lapsed/Reorganized LEAs		7651	0.00	0.00	0.0%
(d) TOTAL, USES			0.00	0.00	0.0%
CONTRIBUTIONS					
Contributions from Restricted Revenues		8990	0.00	0.00	0.0%
(e) TOTAL, CONTRIBUTIONS			0.00	0.00	0.0%
TOTAL, OTHER FINANCING SOURCES/USES (a - b + c - d + e)			0.00	0.00	0.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	0.00	0.00	0.0%
5) TOTAL, REVENUES			0.00	0.00	0.0%
B. EXPENDITURES (Objects 1000-7999)					
1) Instruction	1000-1999		0.00	0.00	0.0%
2) Instruction - Related Services	2000-2999		0.00	0.00	0.0%
3) Pupil Services	3000-3999		0.00	0.00	0.0%
4) Ancillary Services	4000-4999		0.00	0.00	0.0%
5) Community Services	5000-5999		0.00	0.00	0.0%
6) Enterprise	6000-6999		0.00	0.00	0.0%
7) General Administration	7000-7999		0.00	0.00	0.0%
8) Plant Services	8000-8999		0.00	0.00	0.0%
9) Other Outgo	9000-9999	Except 7600-7699	0.00	0.00	0.0%
10) TOTAL, EXPENDITURES			0.00	0.00	0.0%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B10)			0.00	0.00	0.0%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			0.00	0.00	0.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			0.00	0.00	0.0%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	0.23	0.23	0.0%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			0.23	0.23	0.0%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			0.23	0.23	0.0%
2) Ending Balance, June 30 (E + F1e)			0.23	0.23	0.0%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.00	0.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments (by Resource/Object)		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments (by Resource/Object)		9780	0.23	0.23	0.0%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Resource	Description	2016-17	2017-18
		Estimated Actuals	Budget
Total, Restricted Balance		0.00	0.00

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	476,453.40	275,000.00	-42.3%
5) TOTAL, REVENUES			476,453.40	275,000.00	-42.3%
B. EXPENDITURES					
1) Certificated Salaries		1000-1999	0.00	0.00	0.0%
2) Classified Salaries		2000-2999	793,653.38	530,473.00	-33.2%
3) Employee Benefits		3000-3999	311,009.00	208,533.00	-32.9%
4) Books and Supplies		4000-4999	311,149.53	332,179.88	6.8%
5) Services and Other Operating Expenditures		5000-5999	2,416,638.11	136,623.00	-94.3%
6) Capital Outlay		6000-6999	5,039,502.28	53,908,937.79	969.7%
7) Other Outgo (excluding Transfers of Indirect Costs)		7100-7299, 7400-7499	0.00	0.00	0.0%
8) Other Outgo - Transfers of Indirect Costs		7300-7399	0.00	0.00	0.0%
9) TOTAL, EXPENDITURES			8,871,952.30	55,116,746.67	521.2%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B9)			(8,395,498.90)	(54,841,746.67)	553.2%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			(8,395,498.90)	(54,841,746.67)	553.2%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	70,174,704.54	61,779,205.64	-12.0%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			70,174,704.54	61,779,205.64	-12.0%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			70,174,704.54	61,779,205.64	-12.0%
2) Ending Balance, June 30 (E + F1e)			61,779,205.64	6,937,458.97	-88.8%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.00	0.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments		9780	61,779,205.64	6,937,458.97	-88.8%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
G. ASSETS					
1) Cash					
a) in County Treasury		9110	70,915,150.74		
1) Fair Value Adjustment to Cash in County Treasury		9111	0.00		
b) in Banks		9120	8,890.50		
c) in Revolving Fund		9130	0.00		
d) with Fiscal Agent		9135	9,957.76		
e) collections awaiting deposit		9140	0.00		
2) Investments		9150	0.00		
3) Accounts Receivable		9200	102,405.10		
4) Due from Grantor Government		9290	0.00		
5) Due from Other Funds		9310	1,018,151.80		
6) Stores		9320	0.00		
7) Prepaid Expenditures		9330	0.00		
8) Other Current Assets		9340	0.00		
9) TOTAL, ASSETS			72,054,555.90		
H. DEFERRED OUTFLOWS OF RESOURCES					
1) Deferred Outflows of Resources		9490	0.00		
2) TOTAL, DEFERRED OUTFLOWS			0.00		
I. LIABILITIES					
1) Accounts Payable		9500	1,655,325.34		
2) Due to Grantor Governments		9590	0.00		
3) Due to Other Funds		9610	224,526.02		
4) Current Loans		9640	0.00		
5) Unearned Revenue		9650	0.00		
6) TOTAL, LIABILITIES			1,879,851.36		
J. DEFERRED INFLOWS OF RESOURCES					
1) Deferred Inflows of Resources		9690	0.00		
2) TOTAL, DEFERRED INFLOWS			0.00		
K. FUND EQUITY					
Ending Fund Balance, June 30 (G9 + H2) - (I6 + J2)			70,174,704.54		

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
FEDERAL REVENUE					
FEMA		8281	0.00	0.00	0.0%
All Other Federal Revenue		8290	0.00	0.00	0.0%
TOTAL, FEDERAL REVENUE			0.00	0.00	0.0%
OTHER STATE REVENUE					
Tax Relief Subventions Restricted Levies - Other					
Homeowners' Exemptions		8575	0.00	0.00	0.0%
Other Subventions/In-Lieu Taxes		8576	0.00	0.00	0.0%
All Other State Revenue		8590	0.00	0.00	0.0%
TOTAL, OTHER STATE REVENUE			0.00	0.00	0.0%
OTHER LOCAL REVENUE					
Other Local Revenue County and District Taxes					
Other Restricted Levies Secured Roll		8615	0.00	0.00	0.0%
Unsecured Roll		8616	0.00	0.00	0.0%
Prior Years' Taxes		8617	0.00	0.00	0.0%
Supplemental Taxes		8618	0.00	0.00	0.0%
Non-Ad Valorem Taxes Parcel Taxes		8621	0.00	0.00	0.0%
Other		8622	0.00	0.00	0.0%
Community Redevelopment Funds Not Subject to LCFF Deduction		8625	0.00	0.00	0.0%
Penalties and Interest from Delinquent Non-LCFF Taxes		8629	0.00	0.00	0.0%
Sales Sale of Equipment/Supplies		8631	0.00	0.00	0.0%
Leases and Rentals		8650	0.00	0.00	0.0%
Interest		8660	476,453.40	275,000.00	-42.3%
Net Increase (Decrease) in the Fair Value of Investments		8662	0.00	0.00	0.0%
Other Local Revenue					
All Other Local Revenue		8699	0.00	0.00	0.0%
All Other Transfers In from All Others		8799	0.00	0.00	0.0%
TOTAL, OTHER LOCAL REVENUE			476,453.40	275,000.00	-42.3%
TOTAL, REVENUES			476,453.40	275,000.00	-42.3%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
CLASSIFIED SALARIES					
Classified Support Salaries		2200	0.00	0.00	0.0%
Classified Supervisors' and Administrators' Salaries		2300	117,523.00	72,416.00	-38.4%
Clerical, Technical and Office Salaries		2400	676,128.00	458,057.00	-32.3%
Other Classified Salaries		2900	2.38	0.00	-100.0%
TOTAL, CLASSIFIED SALARIES			793,653.38	530,473.00	-33.2%
EMPLOYEE BENEFITS					
STRS		3101-3102	0.00	0.00	0.0%
PERS		3201-3202	109,502.00	73,684.00	-32.7%
OASDI/Medicare/Alternative		3301-3302	60,192.00	40,583.00	-32.6%
Health and Welfare Benefits		3401-3402	123,583.00	81,955.00	-33.7%
Unemployment Insurance		3501-3502	396.00	268.00	-32.3%
Workers' Compensation		3601-3602	17,336.00	12,043.00	-30.5%
OPEB, Allocated		3701-3702	0.00	0.00	0.0%
OPEB, Active Employees		3751-3752	0.00	0.00	0.0%
Other Employee Benefits		3901-3902	0.00	0.00	0.0%
TOTAL, EMPLOYEE BENEFITS			311,009.00	208,533.00	-32.9%
BOOKS AND SUPPLIES					
Books and Other Reference Materials		4200	0.00	0.00	0.0%
Materials and Supplies		4300	17,256.20	103,616.45	500.5%
Noncapitalized Equipment		4400	293,893.33	228,563.43	-22.2%
TOTAL, BOOKS AND SUPPLIES			311,149.53	332,179.88	6.8%
SERVICES AND OTHER OPERATING EXPENDITURES					
Subagreements for Services		5100	0.00	0.00	0.0%
Travel and Conferences		5200	0.00	0.00	0.0%
Insurance		5400-5450	0.00	0.00	0.0%
Operations and Housekeeping Services		5500	0.00	0.00	0.0%
Rentals, Leases, Repairs, and Noncapitalized Improvements		5600	0.00	0.00	0.0%
Transfers of Direct Costs		5710	0.00	0.00	0.0%
Transfers of Direct Costs - Interfund		5750	10,311.07	9,023.00	-12.5%

			2016-17	2017-18	Percent
Description	Resource Codes	Object Codes	Estimated Actuals	Budget	Difference
Professional/Consulting Services and Operating Expenditures		5800	2,406,327.04	127,600.00	-94.7%
Communications		5900	0.00	0.00	0.0%
TOTAL, SERVICES AND OTHER OPERATING EXPENDITURES			2,416,638.11	136,623.00	-94.3%
CAPITAL OUTLAY					
Land		6100	40,000.00	0.00	-100.0%
Land Improvements		6170	0.00	0.00	0.0%
Buildings and Improvements of Buildings		6200	4,914,482.28	53,823,917.79	995.2%
Books and Media for New School Libraries or Major Expansion of School Libraries		6300	0.00	0.00	0.0%
Equipment		6400	85,020.00	85,020.00	0.0%
Equipment Replacement		6500	0.00	0.00	0.0%
TOTAL, CAPITAL OUTLAY			5,039,502.28	53,908,937.79	969.7%
OTHER OUTGO (excluding Transfers of Indirect Costs)					
Other Transfers Out					
All Other Transfers Out to All Others		7299	0.00	0.00	0.0%
Debt Service					
Repayment of State School Building Fund Aid - Proceeds from Bonds		7435	0.00	0.00	0.0%
Debt Service - Interest		7438	0.00	0.00	0.0%
Other Debt Service - Principal		7439	0.00	0.00	0.0%
TOTAL, OTHER OUTGO (excluding Transfers of Indirect Costs)			0.00	0.00	0.0%
TOTAL, EXPENDITURES			8,871,952.30	55,116,746.67	521.2%

			2016-17	2017-18	Percent
Description	Resource Codes	Object Codes	Estimated Actuals	Budget	Difference
INTERFUND TRANSFERS					
INTERFUND TRANSFERS IN					
Other Authorized Interfund Transfers In		8919	0.00	0.00	0.0%
(a) TOTAL, INTERFUND TRANSFERS IN			0.00	0.00	0.0%
INTERFUND TRANSFERS OUT					
To: State School Building Fund/ County School Facilities Fund		7613	0.00	0.00	0.0%
Other Authorized Interfund Transfers Out		7619	0.00	0.00	0.0%
(b) TOTAL, INTERFUND TRANSFERS OUT			0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
OTHER SOURCES/USES					
SOURCES					
Proceeds					
Proceeds from Sale of Bonds		8951	0.00	0.00	0.0%
Proceeds from Sale/Lease- Purchase of Land/Buildings		8953	0.00	0.00	0.0%
Other Sources					
County School Bldg Aid		8961	0.00	0.00	0.0%
Transfers from Funds of Lapsed/Reorganized LEAs		8965	0.00	0.00	0.0%
Long-Term Debt Proceeds					
Proceeds from Certificates of Participation		8971	0.00	0.00	0.0%
Proceeds from Capital Leases		8972	0.00	0.00	0.0%
Proceeds from Lease Revenue Bonds		8973	0.00	0.00	0.0%
All Other Financing Sources		8979	0.00	0.00	0.0%
(c) TOTAL, SOURCES			0.00	0.00	0.0%
USES					
Transfers of Funds from Lapsed/Reorganized LEAs		7651	0.00	0.00	0.0%
All Other Financing Uses		7699	0.00	0.00	0.0%
(d) TOTAL, USES			0.00	0.00	0.0%
CONTRIBUTIONS					
Contributions from Unrestricted Revenues		8980	0.00	0.00	0.0%
Contributions from Restricted Revenues		8990	0.00	0.00	0.0%
(e) TOTAL, CONTRIBUTIONS			0.00	0.00	0.0%
TOTAL, OTHER FINANCING SOURCES/USES (a - b + c - d + e)			0.00	0.00	0.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	476,453.40	275,000.00	-42.3%
5) TOTAL, REVENUES			476,453.40	275,000.00	-42.3%
B. EXPENDITURES (Objects 1000-7999)					
1) Instruction	1000-1999		0.00	0.00	0.0%
2) Instruction - Related Services	2000-2999		0.00	0.00	0.0%
3) Pupil Services	3000-3999		0.00	0.00	0.0%
4) Ancillary Services	4000-4999		0.00	0.00	0.0%
5) Community Services	5000-5999		0.00	0.00	0.0%
6) Enterprise	6000-6999		0.00	0.00	0.0%
7) General Administration	7000-7999		0.00	0.00	0.0%
8) Plant Services	8000-8999		8,871,952.30	55,116,746.67	521.2%
9) Other Outgo	9000-9999	Except 7600-7699	0.00	0.00	0.0%
10) TOTAL, EXPENDITURES			8,871,952.30	55,116,746.67	521.2%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B10)			(8,395,498.90)	(54,841,746.67)	553.2%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			0.00	0.00	0.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			(8,395,498.90)	(54,841,746.67)	553.2%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	70,174,704.54	61,779,205.64	-12.0%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			70,174,704.54	61,779,205.64	-12.0%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			70,174,704.54	61,779,205.64	-12.0%
2) Ending Balance, June 30 (E + F1e)			61,779,205.64	6,937,458.97	-88.8%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.00	0.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments (by Resource/Object)		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments (by Resource/Object)		9780	61,779,205.64	6,937,458.97	-88.8%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Resource	Description	2016-17	2017-18
		Estimated Actuals	Budget
Total, Restricted Balance		0.00	0.00

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	1,734,710.89	503,000.00	-71.0%
5) TOTAL, REVENUES			1,734,710.89	503,000.00	-71.0%
B. EXPENDITURES					
1) Certificated Salaries		1000-1999	0.00	0.00	0.0%
2) Classified Salaries		2000-2999	0.00	0.00	0.0%
3) Employee Benefits		3000-3999	0.00	0.00	0.0%
4) Books and Supplies		4000-4999	0.00	219,000.00	New
5) Services and Other Operating Expenditures		5000-5999	19,330.00	229,765.00	1088.6%
6) Capital Outlay		6000-6999	393,687.60	1,287,812.40	227.1%
7) Other Outgo (excluding Transfers of Indirect Costs)		7100-7299, 7400-7499	0.00	0.00	0.0%
8) Other Outgo - Transfers of Indirect Costs		7300-7399	0.00	0.00	0.0%
9) TOTAL, EXPENDITURES			413,017.60	1,736,577.40	320.5%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B9)			1,321,693.29	(1,233,577.40)	-193.3%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	1,107,970.00	0.00	-100.0%
b) Transfers Out		7600-7629	9,507.00	15,000.00	57.8%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			1,098,463.00	(15,000.00)	-101.4%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			2,420,156.29	(1,248,577.40)	-151.6%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	1,434,845.25	3,855,001.54	168.7%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			1,434,845.25	3,855,001.54	168.7%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			1,434,845.25	3,855,001.54	168.7%
2) Ending Balance, June 30 (E + F1e)			3,855,001.54	2,606,424.14	-32.4%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.00	0.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments		9780	3,855,001.54	2,606,424.14	-32.4%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
G. ASSETS					
1) Cash					
a) in County Treasury		9110	1,254,485.74		
1) Fair Value Adjustment to Cash in County Treasury		9111	0.00		
b) in Banks		9120	211,402.30		
c) in Revolving Fund		9130	0.00		
d) with Fiscal Agent		9135	0.00		
e) collections awaiting deposit		9140	0.00		
2) Investments		9150	0.00		
3) Accounts Receivable		9200	1,420.03		
4) Due from Grantor Government		9290	0.00		
5) Due from Other Funds		9310	0.00		
6) Stores		9320	0.00		
7) Prepaid Expenditures		9330	0.00		
8) Other Current Assets		9340	0.00		
9) TOTAL, ASSETS			1,467,308.07		
H. DEFERRED OUTFLOWS OF RESOURCES					
1) Deferred Outflows of Resources		9490	0.00		
2) TOTAL, DEFERRED OUTFLOWS			0.00		
I. LIABILITIES					
1) Accounts Payable		9500	8,431.70		
2) Due to Grantor Governments		9590	0.00		
3) Due to Other Funds		9610	24,031.12		
4) Current Loans		9640	0.00		
5) Unearned Revenue		9650	0.00		
6) TOTAL, LIABILITIES			32,462.82		
J. DEFERRED INFLOWS OF RESOURCES					
1) Deferred Inflows of Resources		9690	0.00		
2) TOTAL, DEFERRED INFLOWS			0.00		
K. FUND EQUITY					
Ending Fund Balance, June 30 (G9 + H2) - (I6 + J2)			1,434,845.25		

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
OTHER STATE REVENUE					
Tax Relief Subventions Restricted Levies - Other					
Homeowners' Exemptions		8575	0.00	0.00	0.0%
Other Subventions/In-Lieu Taxes		8576	0.00	0.00	0.0%
All Other State Revenue		8590	0.00	0.00	0.0%
TOTAL, OTHER STATE REVENUE			0.00	0.00	0.0%
OTHER LOCAL REVENUE					
Other Local Revenue County and District Taxes					
Other Restricted Levies Secured Roll		8615	0.00	0.00	0.0%
Unsecured Roll		8616	0.00	0.00	0.0%
Prior Years' Taxes		8617	0.00	0.00	0.0%
Supplemental Taxes		8618	0.00	0.00	0.0%
Non-Ad Valorem Taxes Parcel Taxes		8621	0.00	0.00	0.0%
Other		8622	0.00	0.00	0.0%
Community Redevelopment Funds Not Subject to LCFF Deduction		8625	0.00	0.00	0.0%
Penalties and Interest from Delinquent Non-LCFF Taxes		8629	0.00	0.00	0.0%
Sales Sale of Equipment/Supplies		8631	0.00	0.00	0.0%
Interest		8660	22,090.00	3,000.00	-86.4%
Net Increase (Decrease) in the Fair Value of Investments		8662	0.00	0.00	0.0%
Fees and Contracts					
Mitigation/Developer Fees		8681	1,712,620.89	500,000.00	-70.8%
Other Local Revenue					
All Other Local Revenue		8699	0.00	0.00	0.0%
All Other Transfers In from All Others		8799	0.00	0.00	0.0%
TOTAL, OTHER LOCAL REVENUE			1,734,710.89	503,000.00	-71.0%
TOTAL, REVENUES			1,734,710.89	503,000.00	-71.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
CERTIFICATED SALARIES					
Other Certificated Salaries		1900	0.00	0.00	0.0%
TOTAL, CERTIFICATED SALARIES			0.00	0.00	0.0%
CLASSIFIED SALARIES					
Classified Support Salaries		2200	0.00	0.00	0.0%
Classified Supervisors' and Administrators' Salaries		2300	0.00	0.00	0.0%
Clerical, Technical and Office Salaries		2400	0.00	0.00	0.0%
Other Classified Salaries		2900	0.00	0.00	0.0%
TOTAL, CLASSIFIED SALARIES			0.00	0.00	0.0%
EMPLOYEE BENEFITS					
STRS		3101-3102	0.00	0.00	0.0%
PERS		3201-3202	0.00	0.00	0.0%
OASDI/Medicare/Alternative		3301-3302	0.00	0.00	0.0%
Health and Welfare Benefits		3401-3402	0.00	0.00	0.0%
Unemployment Insurance		3501-3502	0.00	0.00	0.0%
Workers' Compensation		3601-3602	0.00	0.00	0.0%
OPEB, Allocated		3701-3702	0.00	0.00	0.0%
OPEB, Active Employees		3751-3752	0.00	0.00	0.0%
Other Employee Benefits		3901-3902	0.00	0.00	0.0%
TOTAL, EMPLOYEE BENEFITS			0.00	0.00	0.0%
BOOKS AND SUPPLIES					
Approved Textbooks and Core Curricula Materials		4100	0.00	0.00	0.0%
Books and Other Reference Materials		4200	0.00	0.00	0.0%
Materials and Supplies		4300	0.00	10,000.00	New
Noncapitalized Equipment		4400	0.00	209,000.00	New
TOTAL, BOOKS AND SUPPLIES			0.00	219,000.00	New

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
SERVICES AND OTHER OPERATING EXPENDITURES					
Subagreements for Services		5100	0.00	0.00	0.0%
Travel and Conferences		5200	0.00	0.00	0.0%
Insurance		5400-5450	0.00	0.00	0.0%
Operations and Housekeeping Services		5500	0.00	0.00	0.0%
Rentals, Leases, Repairs, and Noncapitalized Improvements		5600	6,235.00	118,765.00	1804.8%
Transfers of Direct Costs		5710	0.00	0.00	0.0%
Transfers of Direct Costs - Interfund		5750	0.00	5,500.00	New
Professional/Consulting Services and Operating Expenditures		5800	13,095.00	105,500.00	705.7%
Communications		5900	0.00	0.00	0.0%
TOTAL, SERVICES AND OTHER OPERATING EXPENDITURES			19,330.00	229,765.00	1088.6%
CAPITAL OUTLAY					
Land		6100	0.00	20,000.00	New
Land Improvements		6170	0.00	0.00	0.0%
Buildings and Improvements of Buildings		6200	393,687.60	1,267,812.40	222.0%
Books and Media for New School Libraries or Major Expansion of School Libraries		6300	0.00	0.00	0.0%
Equipment		6400	0.00	0.00	0.0%
Equipment Replacement		6500	0.00	0.00	0.0%
TOTAL, CAPITAL OUTLAY			393,687.60	1,287,812.40	227.1%
OTHER OUTGO (excluding Transfers of Indirect Costs)					
Other Transfers Out					
All Other Transfers Out to All Others		7299	0.00	0.00	0.0%
Debt Service					
Debt Service - Interest		7438	0.00	0.00	0.0%
Other Debt Service - Principal		7439	0.00	0.00	0.0%
TOTAL, OTHER OUTGO (excluding Transfers of Indirect Costs)			0.00	0.00	0.0%
TOTAL, EXPENDITURES			413,017.60	1,736,577.40	320.5%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
INTERFUND TRANSFERS					
INTERFUND TRANSFERS IN					
Other Authorized Interfund Transfers In		8919	1,107,970.00	0.00	-100.0%
(a) TOTAL, INTERFUND TRANSFERS IN			1,107,970.00	0.00	-100.0%
INTERFUND TRANSFERS OUT					
To: State School Building Fund/ County School Facilities Fund		7613	0.00	0.00	0.0%
Other Authorized Interfund Transfers Out		7619	9,507.00	15,000.00	57.8%
(b) TOTAL, INTERFUND TRANSFERS OUT			9,507.00	15,000.00	57.8%
OTHER SOURCES/USES					
SOURCES					
Proceeds					
Proceeds from Sale/Lease- Purchase of Land/Buildings		8953	0.00	0.00	0.0%
Other Sources					
Transfers from Funds of Lapsed/Reorganized LEAs		8965	0.00	0.00	0.0%
Long-Term Debt Proceeds					
Proceeds from Certificates of Participation		8971	0.00	0.00	0.0%
Proceeds from Capital Leases		8972	0.00	0.00	0.0%
Proceeds from Lease Revenue Bonds		8973	0.00	0.00	0.0%
All Other Financing Sources		8979	0.00	0.00	0.0%
(c) TOTAL, SOURCES			0.00	0.00	0.0%
USES					
Transfers of Funds from Lapsed/Reorganized LEAs		7651	0.00	0.00	0.0%
All Other Financing Uses		7699	0.00	0.00	0.0%
(d) TOTAL, USES			0.00	0.00	0.0%
CONTRIBUTIONS					
Contributions from Unrestricted Revenues		8980	0.00	0.00	0.0%
Contributions from Restricted Revenues		8990	0.00	0.00	0.0%
(e) TOTAL, CONTRIBUTIONS			0.00	0.00	0.0%
TOTAL, OTHER FINANCING SOURCES/USES (a - b + c - d + e)			1,098,463.00	(15,000.00)	-101.4%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	1,734,710.89	503,000.00	-71.0%
5) TOTAL, REVENUES			1,734,710.89	503,000.00	-71.0%
B. EXPENDITURES (Objects 1000-7999)					
1) Instruction	1000-1999		0.00	0.00	0.0%
2) Instruction - Related Services	2000-2999		0.00	0.00	0.0%
3) Pupil Services	3000-3999		0.00	0.00	0.0%
4) Ancillary Services	4000-4999		0.00	0.00	0.0%
5) Community Services	5000-5999		0.00	0.00	0.0%
6) Enterprise	6000-6999		0.00	0.00	0.0%
7) General Administration	7000-7999		13,095.00	105,500.00	705.7%
8) Plant Services	8000-8999		399,922.60	1,631,077.40	307.8%
9) Other Outgo	9000-9999	Except 7600-7699	0.00	0.00	0.0%
10) TOTAL, EXPENDITURES			413,017.60	1,736,577.40	320.5%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B10)			1,321,693.29	(1,233,577.40)	-193.3%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	1,107,970.00	0.00	-100.0%
b) Transfers Out		7600-7629	9,507.00	15,000.00	57.8%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			1,098,463.00	(15,000.00)	-101.4%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			2,420,156.29	(1,248,577.40)	-151.6%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	1,434,845.25	3,855,001.54	168.7%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			1,434,845.25	3,855,001.54	168.7%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			1,434,845.25	3,855,001.54	168.7%
2) Ending Balance, June 30 (E + F1e)			3,855,001.54	2,606,424.14	-32.4%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.00	0.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments (by Resource/Object)		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments (by Resource/Object)		9780	3,855,001.54	2,606,424.14	-32.4%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Resource	Description	2016-17	2017-18
		Estimated Actuals	Budget
Total, Restricted Balance		0.00	0.00

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	75,198.00	80,000.00	6.4%
5) TOTAL, REVENUES			75,198.00	80,000.00	6.4%
B. EXPENDITURES					
1) Certificated Salaries		1000-1999	0.00	0.00	0.0%
2) Classified Salaries		2000-2999	0.00	0.00	0.0%
3) Employee Benefits		3000-3999	0.00	0.00	0.0%
4) Books and Supplies		4000-4999	78,995.21	91,200.95	15.5%
5) Services and Other Operating Expenditures		5000-5999	2,866,502.69	15,160.50	-99.5%
6) Capital Outlay		6000-6999	3,024,627.93	11,161,633.25	269.0%
7) Other Outgo (excluding Transfers of Indirect Costs)		7100-7299, 7400-7499	0.00	0.00	0.0%
8) Other Outgo - Transfers of Indirect Costs		7300-7399	0.00	0.00	0.0%
9) TOTAL, EXPENDITURES			5,970,125.83	11,267,994.70	88.7%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B9)			(5,894,927.83)	(11,187,994.70)	89.8%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	1,107,970.00	0.00	-100.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			(1,107,970.00)	0.00	-100.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			(7,002,897.83)	(11,187,994.70)	59.8%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	27,666,517.41	20,663,619.58	-25.3%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			27,666,517.41	20,663,619.58	-25.3%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			27,666,517.41	20,663,619.58	-25.3%
2) Ending Balance, June 30 (E + F1e)			20,663,619.58	9,475,624.88	-54.1%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	14,862,221.47	3,594,226.77	-75.8%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments		9780	5,801,398.11	5,881,398.11	1.4%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
G. ASSETS					
1) Cash					
a) in County Treasury		9110	28,527,180.09		
1) Fair Value Adjustment to Cash in County Treasury		9111	0.00		
b) in Banks		9120	0.00		
c) in Revolving Fund		9130	0.00		
d) with Fiscal Agent		9135	0.00		
e) collections awaiting deposit		9140	0.00		
2) Investments		9150	0.00		
3) Accounts Receivable		9200	41,571.91		
4) Due from Grantor Government		9290	0.00		
5) Due from Other Funds		9310	0.00		
6) Stores		9320	0.00		
7) Prepaid Expenditures		9330	0.00		
8) Other Current Assets		9340	0.00		
9) TOTAL, ASSETS			28,568,752.00		
H. DEFERRED OUTFLOWS OF RESOURCES					
1) Deferred Outflows of Resources		9490	0.00		
2) TOTAL, DEFERRED OUTFLOWS			0.00		
I. LIABILITIES					
1) Accounts Payable		9500	38,899.59		
2) Due to Grantor Governments		9590	0.00		
3) Due to Other Funds		9610	863,335.00		
4) Current Loans		9640	0.00		
5) Unearned Revenue		9650	0.00		
6) TOTAL, LIABILITIES			902,234.59		
J. DEFERRED INFLOWS OF RESOURCES					
1) Deferred Inflows of Resources		9690	0.00		
2) TOTAL, DEFERRED INFLOWS			0.00		
K. FUND EQUITY					
Ending Fund Balance, June 30 (G9 + H2) - (I6 + J2)			27,666,517.41		

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
FEDERAL REVENUE					
All Other Federal Revenue		8290	0.00	0.00	0.0%
TOTAL, FEDERAL REVENUE			0.00	0.00	0.0%
OTHER STATE REVENUE					
School Facilities Apportionments		8545	0.00	0.00	0.0%
Pass-Through Revenues from State Sources		8587	0.00	0.00	0.0%
All Other State Revenue		8590	0.00	0.00	0.0%
TOTAL, OTHER STATE REVENUE			0.00	0.00	0.0%
OTHER LOCAL REVENUE					
Sales					
Sale of Equipment/Supplies		8631	0.00	0.00	0.0%
Leases and Rentals		8650	0.00	0.00	0.0%
Interest		8660	75,198.00	80,000.00	6.4%
Net Increase (Decrease) in the Fair Value of Investments		8662	0.00	0.00	0.0%
Other Local Revenue					
All Other Local Revenue		8699	0.00	0.00	0.0%
All Other Transfers In from All Others		8799	0.00	0.00	0.0%
TOTAL, OTHER LOCAL REVENUE			75,198.00	80,000.00	6.4%
TOTAL, REVENUES			75,198.00	80,000.00	6.4%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
CLASSIFIED SALARIES					
Classified Support Salaries		2200	0.00	0.00	0.0%
Classified Supervisors' and Administrators' Salaries		2300	0.00	0.00	0.0%
Clerical, Technical and Office Salaries		2400	0.00	0.00	0.0%
Other Classified Salaries		2900	0.00	0.00	0.0%
TOTAL, CLASSIFIED SALARIES			0.00	0.00	0.0%
EMPLOYEE BENEFITS					
STRS		3101-3102	0.00	0.00	0.0%
PERS		3201-3202	0.00	0.00	0.0%
OASDI/Medicare/Alternative		3301-3302	0.00	0.00	0.0%
Health and Welfare Benefits		3401-3402	0.00	0.00	0.0%
Unemployment Insurance		3501-3502	0.00	0.00	0.0%
Workers' Compensation		3601-3602	0.00	0.00	0.0%
OPEB, Allocated		3701-3702	0.00	0.00	0.0%
OPEB, Active Employees		3751-3752	0.00	0.00	0.0%
Other Employee Benefits		3901-3902	0.00	0.00	0.0%
TOTAL, EMPLOYEE BENEFITS			0.00	0.00	0.0%
BOOKS AND SUPPLIES					
Books and Other Reference Materials		4200	0.00	0.00	0.0%
Materials and Supplies		4300	131.05	34,926.47	26551.3%
Noncapitalized Equipment		4400	78,864.16	56,274.48	-28.6%
TOTAL, BOOKS AND SUPPLIES			78,995.21	91,200.95	15.5%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
SERVICES AND OTHER OPERATING EXPENDITURES					
Subagreements for Services		5100	0.00	0.00	0.0%
Travel and Conferences		5200	0.00	0.00	0.0%
Insurance		5400-5450	0.00	0.00	0.0%
Operations and Housekeeping Services		5500	0.00	0.00	0.0%
Rentals, Leases, Repairs, and Noncapitalized Improvements		5600	32,871.00	0.00	-100.0%
Transfers of Direct Costs		5710	0.00	0.00	0.0%
Transfers of Direct Costs - Interfund		5750	690.44	13,886.50	1911.3%
Professional/Consulting Services and Operating Expenditures		5800	2,832,941.25	1,274.00	-100.0%
Communications		5900	0.00	0.00	0.0%
TOTAL, SERVICES AND OTHER OPERATING EXPENDITURES			2,866,502.69	15,160.50	-99.5%
CAPITAL OUTLAY					
Land		6100	0.00	2,718,728.00	New
Land Improvements		6170	0.00	0.00	0.0%
Buildings and Improvements of Buildings		6200	3,024,627.93	8,440,905.25	179.1%
Books and Media for New School Libraries or Major Expansion of School Libraries		6300	0.00	0.00	0.0%
Equipment		6400	0.00	2,000.00	New
Equipment Replacement		6500	0.00	0.00	0.0%
TOTAL, CAPITAL OUTLAY			3,024,627.93	11,161,633.25	269.0%
OTHER OUTGO (excluding Transfers of Indirect Costs)					
Other Transfers Out					
Transfers of Pass-Through Revenues To Districts or Charter Schools		7211	0.00	0.00	0.0%
To County Offices		7212	0.00	0.00	0.0%
To JPAs		7213	0.00	0.00	0.0%
All Other Transfers Out to All Others		7299	0.00	0.00	0.0%
Debt Service					
Debt Service - Interest		7438	0.00	0.00	0.0%
Other Debt Service - Principal		7439	0.00	0.00	0.0%
TOTAL, OTHER OUTGO (excluding Transfers of Indirect Costs)			0.00	0.00	0.0%
TOTAL, EXPENDITURES			5,970,125.83	11,267,994.70	88.7%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
INTERFUND TRANSFERS					
INTERFUND TRANSFERS IN					
To: State School Building Fund/ County School Facilities Fund From: All Other Funds		8913	0.00	0.00	0.0%
Other Authorized Interfund Transfers In		8919	0.00	0.00	0.0%
(a) TOTAL, INTERFUND TRANSFERS IN			0.00	0.00	0.0%
INTERFUND TRANSFERS OUT					
To: State School Building Fund/ County School Facilities Fund		7613	0.00	0.00	0.0%
Other Authorized Interfund Transfers Out		7619	1,107,970.00	0.00	-100.0%
(b) TOTAL, INTERFUND TRANSFERS OUT			1,107,970.00	0.00	-100.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
OTHER SOURCES/USES					
SOURCES					
Proceeds					
Proceeds from Sale/Lease- Purchase of Land/Buildings		8953	0.00	0.00	0.0%
Other Sources					
Transfers from Funds of Lapsed/Reorganized LEAs		8965	0.00	0.00	0.0%
Long-Term Debt Proceeds					
Proceeds from Certificates of Participation		8971	0.00	0.00	0.0%
Proceeds from Capital Leases		8972	0.00	0.00	0.0%
Proceeds from Lease Revenue Bonds		8973	0.00	0.00	0.0%
All Other Financing Sources		8979	0.00	0.00	0.0%
(c) TOTAL, SOURCES			0.00	0.00	0.0%
USES					
Transfers of Funds from Lapsed/Reorganized LEAs		7651	0.00	0.00	0.0%
(d) TOTAL, USES			0.00	0.00	0.0%
CONTRIBUTIONS					
Contributions from Unrestricted Revenues		8980	0.00	0.00	0.0%
Contributions from Restricted Revenues		8990	0.00	0.00	0.0%
(e) TOTAL, CONTRIBUTIONS			0.00	0.00	0.0%
TOTAL, OTHER FINANCING SOURCES/USES (a - b + c - d + e)			(1,107,970.00)	0.00	-100.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	75,198.00	80,000.00	6.4%
5) TOTAL, REVENUES			75,198.00	80,000.00	6.4%
B. EXPENDITURES (Objects 1000-7999)					
1) Instruction	1000-1999		0.00	0.00	0.0%
2) Instruction - Related Services	2000-2999		0.00	0.00	0.0%
3) Pupil Services	3000-3999		0.00	0.00	0.0%
4) Ancillary Services	4000-4999		0.00	0.00	0.0%
5) Community Services	5000-5999		0.00	0.00	0.0%
6) Enterprise	6000-6999		0.00	0.00	0.0%
7) General Administration	7000-7999		0.00	0.00	0.0%
8) Plant Services	8000-8999		5,970,125.83	11,267,994.70	88.7%
9) Other Outgo	9000-9999	Except 7600-7699	0.00	0.00	0.0%
10) TOTAL, EXPENDITURES			5,970,125.83	11,267,994.70	88.7%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B10)			(5,894,927.83)	(11,187,994.70)	89.8%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	1,107,970.00	0.00	-100.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			(1,107,970.00)	0.00	-100.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			(7,002,897.83)	(11,187,994.70)	59.8%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	27,666,517.41	20,663,619.58	-25.3%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			27,666,517.41	20,663,619.58	-25.3%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			27,666,517.41	20,663,619.58	-25.3%
2) Ending Balance, June 30 (E + F1e)			20,663,619.58	9,475,624.88	-54.1%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	14,862,221.47	3,594,226.77	-75.8%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments (by Resource/Object)		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments (by Resource/Object)		9780	5,801,398.11	5,881,398.11	1.4%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Resource	Description	2016-17	2017-18
		Estimated Actuals	Budget
7710	State School Facilities Projects	14,862,221.47	3,594,226.77
Total, Restricted Balance		14,862,221.47	3,594,226.77

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	9,694,000.00	1,468,000.00	-84.9%
5) TOTAL, REVENUES			9,694,000.00	1,468,000.00	-84.9%
B. EXPENDITURES					
1) Certificated Salaries		1000-1999	0.00	0.00	0.0%
2) Classified Salaries		2000-2999	0.00	0.00	0.0%
3) Employee Benefits		3000-3999	0.00	0.00	0.0%
4) Books and Supplies		4000-4999	2,437,065.99	15,766.84	-99.4%
5) Services and Other Operating Expenditures		5000-5999	3,801,971.52	424,992.50	-88.8%
6) Capital Outlay		6000-6999	34,635,701.01	637,030.73	-98.2%
7) Other Outgo (excluding Transfers of Indirect Costs)		7100-7299, 7400-7499	502,244.40	2,561,854.50	410.1%
8) Other Outgo - Transfers of Indirect Costs		7300-7399	0.00	0.00	0.0%
9) TOTAL, EXPENDITURES			41,376,982.92	3,639,644.57	-91.2%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B9)			(31,682,982.92)	(2,171,644.57)	-93.1%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	35,690,000.00	0.00	-100.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			35,690,000.00	0.00	-100.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			4,007,017.08	(2,171,644.57)	-154.2%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	13,521,250.74	17,528,267.82	29.6%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			13,521,250.74	17,528,267.82	29.6%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			13,521,250.74	17,528,267.82	29.6%
2) Ending Balance, June 30 (E + F1e)			17,528,267.82	15,356,623.25	-12.4%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	342,008.00	342,008.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments		9780	17,186,259.82	15,014,615.25	-12.6%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
G. ASSETS					
1) Cash					
a) in County Treasury		9110	12,536,413.66		
1) Fair Value Adjustment to Cash in County Treasury		9111	0.00		
b) in Banks		9120	88,218.10		
c) in Revolving Fund		9130	0.00		
d) with Fiscal Agent		9135	4,971.81		
e) collections awaiting deposit		9140	0.00		
2) Investments		9150	0.00		
3) Accounts Receivable		9200	18,400.84		
4) Due from Grantor Government		9290	0.00		
5) Due from Other Funds		9310	978,607.44		
6) Stores		9320	0.00		
7) Prepaid Expenditures		9330	0.00		
8) Other Current Assets		9340	0.00		
9) TOTAL, ASSETS			13,626,611.85		
H. DEFERRED OUTFLOWS OF RESOURCES					
1) Deferred Outflows of Resources		9490	0.00		
2) TOTAL, DEFERRED OUTFLOWS			0.00		
I. LIABILITIES					
1) Accounts Payable		9500	103,109.11		
2) Due to Grantor Governments		9590	0.00		
3) Due to Other Funds		9610	2,252.00		
4) Current Loans		9640	0.00		
5) Unearned Revenue		9650	0.00		
6) TOTAL, LIABILITIES			105,361.11		
J. DEFERRED INFLOWS OF RESOURCES					
1) Deferred Inflows of Resources		9690	0.00		
2) TOTAL, DEFERRED INFLOWS			0.00		
K. FUND EQUITY					
Ending Fund Balance, June 30 (G9 + H2) - (I6 + J2)			13,521,250.74		

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
FEDERAL REVENUE					
FEMA		8281	0.00	0.00	0.0%
All Other Federal Revenue		8290	0.00	0.00	0.0%
TOTAL, FEDERAL REVENUE			0.00	0.00	0.0%
OTHER STATE REVENUE					
Pass-Through Revenues from State Sources		8587	0.00	0.00	0.0%
California Clean Energy Jobs Act	6230	8590	0.00	0.00	0.0%
All Other State Revenue	All Other	8590	0.00	0.00	0.0%
TOTAL, OTHER STATE REVENUE			0.00	0.00	0.0%
OTHER LOCAL REVENUE					
Other Local Revenue					
Community Redevelopment Funds Not Subject to LCFF Deduction		8625	650,000.00	930,000.00	43.1%
Sales					
Sale of Equipment/Supplies		8631	0.00	0.00	0.0%
Leases and Rentals		8650	463,000.00	463,000.00	0.0%
Interest		8660	56,000.00	75,000.00	33.9%
Net Increase (Decrease) in the Fair Value of Investments		8662	0.00	0.00	0.0%
Other Local Revenue					
All Other Local Revenue		8699	8,525,000.00	0.00	-100.0%
All Other Transfers In from All Others		8799	0.00	0.00	0.0%
TOTAL, OTHER LOCAL REVENUE			9,694,000.00	1,468,000.00	-84.9%
TOTAL, REVENUES			9,694,000.00	1,468,000.00	-84.9%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
CLASSIFIED SALARIES					
Classified Support Salaries		2200	0.00	0.00	0.0%
Classified Supervisors' and Administrators' Salaries		2300	0.00	0.00	0.0%
Clerical, Technical and Office Salaries		2400	0.00	0.00	0.0%
Other Classified Salaries		2900	0.00	0.00	0.0%
TOTAL, CLASSIFIED SALARIES			0.00	0.00	0.0%
EMPLOYEE BENEFITS					
STRS		3101-3102	0.00	0.00	0.0%
PERS		3201-3202	0.00	0.00	0.0%
OASDI/Medicare/Alternative		3301-3302	0.00	0.00	0.0%
Health and Welfare Benefits		3401-3402	0.00	0.00	0.0%
Unemployment Insurance		3501-3502	0.00	0.00	0.0%
Workers' Compensation		3601-3602	0.00	0.00	0.0%
OPEB, Allocated		3701-3702	0.00	0.00	0.0%
OPEB, Active Employees		3751-3752	0.00	0.00	0.0%
Other Employee Benefits		3901-3902	0.00	0.00	0.0%
TOTAL, EMPLOYEE BENEFITS			0.00	0.00	0.0%
BOOKS AND SUPPLIES					
Books and Other Reference Materials		4200	0.00	0.00	0.0%
Materials and Supplies		4300	1,493,986.58	15,766.84	-98.9%
Noncapitalized Equipment		4400	943,079.41	0.00	-100.0%
TOTAL, BOOKS AND SUPPLIES			2,437,065.99	15,766.84	-99.4%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
SERVICES AND OTHER OPERATING EXPENDITURES					
Subagreements for Services		5100	0.00	0.00	0.0%
Travel and Conferences		5200	0.00	0.00	0.0%
Insurance		5400-5450	238,332.99	0.00	-100.0%
Operations and Housekeeping Services		5500	0.00	0.00	0.0%
Rentals, Leases, Repairs, and Noncapitalized Improvements		5600	10,623.00	0.00	-100.0%
Transfers of Direct Costs		5710	0.00	0.00	0.0%
Transfers of Direct Costs - Interfund		5750	18.00	39,994.00	222088.9%
Professional/Consulting Services and Operating Expenditures		5800	3,552,997.53	384,998.50	-89.2%
Communications		5900	0.00	0.00	0.0%
TOTAL, SERVICES AND OTHER OPERATING EXPENDITURES			3,801,971.52	424,992.50	-88.8%
CAPITAL OUTLAY					
Land		6100	33,826,237.01	0.00	-100.0%
Land Improvements		6170	0.00	0.00	0.0%
Buildings and Improvements of Buildings		6200	186,964.33	637,030.73	240.7%
Books and Media for New School Libraries or Major Expansion of School Libraries		6300	0.00	0.00	0.0%
Equipment		6400	622,499.67	0.00	-100.0%
Equipment Replacement		6500	0.00	0.00	0.0%
TOTAL, CAPITAL OUTLAY			34,635,701.01	637,030.73	-98.2%
OTHER OUTGO (excluding Transfers of Indirect Costs)					
Other Transfers Out					
Transfers of Pass-Through Revenues To Districts or Charter Schools		7211	0.00	0.00	0.0%
To County Offices		7212	0.00	0.00	0.0%
To JPAs		7213	0.00	0.00	0.0%
All Other Transfers Out to All Others		7299	0.00	0.00	0.0%
Debt Service					
Debt Service - Interest		7438	502,244.40	1,490,000.00	196.7%
Other Debt Service - Principal		7439	0.00	1,071,854.50	New
TOTAL, OTHER OUTGO (excluding Transfers of Indirect Costs)			502,244.40	2,561,854.50	410.1%
TOTAL, EXPENDITURES			41,376,982.92	3,639,644.57	-91.2%

			2016-17	2017-18	Percent
Description	Resource Codes	Object Codes	Estimated Actuals	Budget	Difference
INTERFUND TRANSFERS					
INTERFUND TRANSFERS IN					
From: General Fund/CSSF		8912	0.00	0.00	0.0%
Other Authorized Interfund Transfers In		8919	0.00	0.00	0.0%
(a) TOTAL, INTERFUND TRANSFERS IN			0.00	0.00	0.0%
INTERFUND TRANSFERS OUT					
To: General Fund/CSSF		7612	0.00	0.00	0.0%
To: State School Building Fund/ County School Facilities Fund		7613	0.00	0.00	0.0%
Other Authorized Interfund Transfers Out		7619	0.00	0.00	0.0%
(b) TOTAL, INTERFUND TRANSFERS OUT			0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
OTHER SOURCES/USES					
SOURCES					
Proceeds					
Proceeds from Sale/Lease- Purchase of Land/Buildings		8953	0.00	0.00	0.0%
Other Sources					
Transfers from Funds of Lapsed/Reorganized LEAs		8965	0.00	0.00	0.0%
Long-Term Debt Proceeds					
Proceeds from Certificates of Participation		8971	0.00	0.00	0.0%
Proceeds from Capital Leases		8972	0.00	0.00	0.0%
Proceeds from Lease Revenue Bonds		8973	35,690,000.00	0.00	-100.0%
All Other Financing Sources		8979	0.00	0.00	0.0%
(c) TOTAL, SOURCES			35,690,000.00	0.00	-100.0%
USES					
Transfers of Funds from Lapsed/Reorganized LEAs		7651	0.00	0.00	0.0%
All Other Financing Uses		7699	0.00	0.00	0.0%
(d) TOTAL, USES			0.00	0.00	0.0%
CONTRIBUTIONS					
Contributions from Unrestricted Revenues		8980	0.00	0.00	0.0%
Contributions from Restricted Revenues		8990	0.00	0.00	0.0%
(e) TOTAL, CONTRIBUTIONS			0.00	0.00	0.0%
TOTAL, OTHER FINANCING SOURCES/USES (a - b + c - d + e)			35,690,000.00	0.00	-100.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	9,694,000.00	1,468,000.00	-84.9%
5) TOTAL, REVENUES			9,694,000.00	1,468,000.00	-84.9%
B. EXPENDITURES (Objects 1000-7999)					
1) Instruction	1000-1999		0.00	0.00	0.0%
2) Instruction - Related Services	2000-2999		0.00	0.00	0.0%
3) Pupil Services	3000-3999		0.00	0.00	0.0%
4) Ancillary Services	4000-4999		0.00	0.00	0.0%
5) Community Services	5000-5999		0.00	0.00	0.0%
6) Enterprise	6000-6999		0.00	0.00	0.0%
7) General Administration	7000-7999		0.00	0.00	0.0%
8) Plant Services	8000-8999		39,896,968.03	909,791.57	-97.7%
9) Other Outgo	9000-9999	Except 7600-7699	1,480,014.89	2,729,853.00	84.4%
10) TOTAL, EXPENDITURES			41,376,982.92	3,639,644.57	-91.2%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B10)			(31,682,982.92)	(2,171,644.57)	-93.1%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	35,690,000.00	0.00	-100.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			35,690,000.00	0.00	-100.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			4,007,017.08	(2,171,644.57)	-154.2%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	13,521,250.74	17,528,267.82	29.6%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			13,521,250.74	17,528,267.82	29.6%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			13,521,250.74	17,528,267.82	29.6%
2) Ending Balance, June 30 (E + F1e)			17,528,267.82	15,356,623.25	-12.4%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	342,008.00	342,008.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments (by Resource/Object)		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments (by Resource/Object)		9780	17,186,259.82	15,014,615.25	-12.6%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Resource	Description	2016-17	2017-18
		Estimated Actuals	Budget
6230	California Clean Energy Jobs Act	342,008.00	342,008.00
Total, Restricted Balance		342,008.00	342,008.00

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	27,486,324.62	25,451,822.00	-7.4%
5) TOTAL, REVENUES			27,486,324.62	25,451,822.00	-7.4%
B. EXPENDITURES					
1) Certificated Salaries		1000-1999	0.00	0.00	0.0%
2) Classified Salaries		2000-2999	512,430.00	285,190.00	-44.3%
3) Employee Benefits		3000-3999	178,476.00	110,495.00	-38.1%
4) Books and Supplies		4000-4999	24,922.89	209,442.91	740.4%
5) Services and Other Operating Expenditures		5000-5999	1,386,072.48	524,467.95	-62.2%
6) Capital Outlay		6000-6999	2,064,574.60	2,702,689.19	30.9%
7) Other Outgo (excluding Transfers of Indirect Costs)		7100-7299, 7400-7499	76,965,809.13	12,983,506.95	-83.1%
8) Other Outgo - Transfers of Indirect Costs		7300-7399	0.00	0.00	0.0%
9) TOTAL, EXPENDITURES			81,132,285.10	16,815,792.00	-79.3%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B9)			(53,645,960.48)	8,636,030.00	-116.1%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	39,568,458.25	0.00	-100.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			39,568,458.25	0.00	-100.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			(14,077,502.23)	8,636,030.00	-161.3%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	143,487,897.76	129,410,395.53	-9.8%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			143,487,897.76	129,410,395.53	-9.8%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			143,487,897.76	129,410,395.53	-9.8%
2) Ending Balance, June 30 (E + F1e)			129,410,395.53	138,046,425.53	6.7%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.00	0.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments		9780	129,410,395.53	138,046,425.53	6.7%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
G. ASSETS					
1) Cash					
a) in County Treasury		9110	114,915,446.58		
1) Fair Value Adjustment to Cash in County Treasury		9111	0.00		
b) in Banks		9120	750.00		
c) in Revolving Fund		9130	0.00		
d) with Fiscal Agent		9135	26,040,080.44		
e) collections awaiting deposit		9140	0.00		
2) Investments		9150	0.00		
3) Accounts Receivable		9200	162,175.39		
4) Due from Grantor Government		9290	0.00		
5) Due from Other Funds		9310	3,361,372.10		
6) Stores		9320	0.00		
7) Prepaid Expenditures		9330	0.00		
8) Other Current Assets		9340	0.00		
9) TOTAL, ASSETS			144,479,824.51		
H. DEFERRED OUTFLOWS OF RESOURCES					
1) Deferred Outflows of Resources		9490	0.00		
2) TOTAL, DEFERRED OUTFLOWS			0.00		
I. LIABILITIES					
1) Accounts Payable		9500	645,591.17		
2) Due to Grantor Governments		9590	0.00		
3) Due to Other Funds		9610	346,335.58		
4) Current Loans		9640	0.00		
5) Unearned Revenue		9650	0.00		
6) TOTAL, LIABILITIES			991,926.75		
J. DEFERRED INFLOWS OF RESOURCES					
1) Deferred Inflows of Resources		9690	0.00		
2) TOTAL, DEFERRED INFLOWS			0.00		
K. FUND EQUITY					
Ending Fund Balance, June 30 (G9 + H2) - (I6 + J2)			143,487,897.76		

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
FEDERAL REVENUE					
All Other Federal Revenue		8290	0.00	0.00	0.0%
TOTAL, FEDERAL REVENUE			0.00	0.00	0.0%
OTHER STATE REVENUE					
Tax Relief Subventions Restricted Levies - Other					
Homeowners' Exemptions		8575	0.00	0.00	0.0%
Other Subventions/In-Lieu Taxes		8576	0.00	0.00	0.0%
All Other State Revenue		8590	0.00	0.00	0.0%
TOTAL, OTHER STATE REVENUE			0.00	0.00	0.0%
OTHER LOCAL REVENUE					
Other Local Revenue County and District Taxes					
Other Restricted Levies Secured Roll		8615	0.00	0.00	0.0%
Unsecured Roll		8616	0.00	0.00	0.0%
Prior Years' Taxes		8617	0.00	0.00	0.0%
Supplemental Taxes		8618	0.00	0.00	0.0%
Non-Ad Valorem Taxes Parcel Taxes		8621	0.00	0.00	0.0%
Other		8622	26,637,190.31	25,201,822.00	-5.4%
Community Redevelopment Funds Not Subject to LCFF Deduction		8625	0.00	0.00	0.0%
Penalties and Interest from Delinquent Non-LCFF Taxes		8629	103,173.88	0.00	-100.0%
Sales Sale of Equipment/Supplies		8631	0.00	0.00	0.0%
Leases and Rentals		8650	0.00	0.00	0.0%
Interest		8660	745,960.43	250,000.00	-66.5%
Net Increase (Decrease) in the Fair Value of Investments		8662	0.00	0.00	0.0%
Other Local Revenue					
All Other Local Revenue		8699	0.00	0.00	0.0%
All Other Transfers In from All Others		8799	0.00	0.00	0.0%
TOTAL, OTHER LOCAL REVENUE			27,486,324.62	25,451,822.00	-7.4%
TOTAL, REVENUES			27,486,324.62	25,451,822.00	-7.4%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
CLASSIFIED SALARIES					
Classified Support Salaries		2200	0.00	0.00	0.0%
Classified Supervisors' and Administrators' Salaries		2300	104,806.00	25,940.00	-75.2%
Clerical, Technical and Office Salaries		2400	407,624.00	259,250.00	-36.4%
Other Classified Salaries		2900	0.00	0.00	0.0%
TOTAL, CLASSIFIED SALARIES			512,430.00	285,190.00	-44.3%
EMPLOYEE BENEFITS					
STRS		3101-3102	0.00	0.00	0.0%
PERS		3201-3202	69,600.00	37,586.00	-46.0%
OASDI/Medicare/Alternative		3301-3302	37,410.00	20,704.00	-44.7%
Health and Welfare Benefits		3401-3402	61,549.00	45,924.00	-25.4%
Unemployment Insurance		3501-3502	258.00	137.00	-46.9%
Workers' Compensation		3601-3602	9,659.00	6,144.00	-36.4%
OPEB, Allocated		3701-3702	0.00	0.00	0.0%
OPEB, Active Employees		3751-3752	0.00	0.00	0.0%
Other Employee Benefits		3901-3902	0.00	0.00	0.0%
TOTAL, EMPLOYEE BENEFITS			178,476.00	110,495.00	-38.1%
BOOKS AND SUPPLIES					
Books and Other Reference Materials		4200	0.00	0.00	0.0%
Materials and Supplies		4300	9,393.30	68,467.91	628.9%
Noncapitalized Equipment		4400	15,529.59	140,975.00	807.8%
TOTAL, BOOKS AND SUPPLIES			24,922.89	209,442.91	740.4%
SERVICES AND OTHER OPERATING EXPENDITURES					
Subagreements for Services		5100	0.00	0.00	0.0%
Travel and Conferences		5200	0.00	0.00	0.0%
Insurance		5400-5450	194,019.00	0.00	-100.0%
Operations and Housekeeping Services		5500	0.00	0.00	0.0%
Rentals, Leases, Repairs, and Noncapitalized Improvements		5600	424,096.60	360,879.00	-14.9%
Transfers of Direct Costs		5710	0.00	0.00	0.0%
Transfers of Direct Costs - Interfund		5750	7,243.50	5,250.00	-27.5%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
Professional/Consulting Services and Operating Expenditures		5800	760,713.38	158,338.95	-79.2%
Communications		5900	0.00	0.00	0.0%
TOTAL, SERVICES AND OTHER OPERATING EXPENDITURES			1,386,072.48	524,467.95	-62.2%
CAPITAL OUTLAY					
Land		6100	0.00	0.00	0.0%
Land Improvements		6170	0.00	0.00	0.0%
Buildings and Improvements of Buildings		6200	2,064,574.60	2,652,689.19	28.5%
Books and Media for New School Libraries or Major Expansion of School Libraries		6300	0.00	0.00	0.0%
Equipment		6400	0.00	50,000.00	New
Equipment Replacement		6500	0.00	0.00	0.0%
TOTAL, CAPITAL OUTLAY			2,064,574.60	2,702,689.19	30.9%
OTHER OUTGO (excluding Transfers of Indirect Costs)					
Other Transfers Out					
Transfers of Pass-Through Revenues To Districts or Charter Schools		7211	0.00	0.00	0.0%
To County Offices		7212	0.00	0.00	0.0%
To JPAs		7213	0.00	0.00	0.0%
All Other Transfers Out to All Others		7299	0.00	0.00	0.0%
Debt Service					
Repayment of State School Building Fund Aid - Proceeds from Bonds		7435	0.00	0.00	0.0%
Debt Service - Interest		7438	4,750,809.13	4,308,506.95	-9.3%
Other Debt Service - Principal		7439	72,215,000.00	8,675,000.00	-88.0%
TOTAL, OTHER OUTGO (excluding Transfers of Indirect Costs)			76,965,809.13	12,983,506.95	-83.1%
TOTAL, EXPENDITURES			81,132,285.10	16,815,792.00	-79.3%

			2016-17	2017-18	Percent
Description	Resource Codes	Object Codes	Estimated Actuals	Budget	Difference
INTERFUND TRANSFERS					
INTERFUND TRANSFERS IN					
Other Authorized Interfund Transfers In		8919	0.00	0.00	0.0%
(a) TOTAL, INTERFUND TRANSFERS IN			0.00	0.00	0.0%
INTERFUND TRANSFERS OUT					
To: State School Building Fund/ County School Facilities Fund		7613	0.00	0.00	0.0%
Other Authorized Interfund Transfers Out		7619	0.00	0.00	0.0%
(b) TOTAL, INTERFUND TRANSFERS OUT			0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
OTHER SOURCES/USES					
SOURCES					
Proceeds					
Proceeds from Sale of Bonds		8951	0.00	0.00	0.0%
Other Sources					
County School Bldg Aid		8961	0.00	0.00	0.0%
Transfers from Funds of Lapsed/Reorganized LEAs		8965	0.00	0.00	0.0%
Long-Term Debt Proceeds					
Proceeds from Certificates of Participation		8971	35,515,000.00	0.00	-100.0%
Proceeds from Capital Leases		8972	0.00	0.00	0.0%
Proceeds from Lease Revenue Bonds		8973	0.00	0.00	0.0%
All Other Financing Sources		8979	4,053,458.25	0.00	-100.0%
(c) TOTAL, SOURCES			39,568,458.25	0.00	-100.0%
USES					
Transfers of Funds from Lapsed/Reorganized LEAs		7651	0.00	0.00	0.0%
All Other Financing Uses		7699	0.00	0.00	0.0%
(d) TOTAL, USES			0.00	0.00	0.0%
CONTRIBUTIONS					
Contributions from Unrestricted Revenues		8980	0.00	0.00	0.0%
Contributions from Restricted Revenues		8990	0.00	0.00	0.0%
(e) TOTAL, CONTRIBUTIONS			0.00	0.00	0.0%
TOTAL, OTHER FINANCING SOURCES/USES (a - b + c - d + e)			39,568,458.25	0.00	-100.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	27,486,324.62	25,451,822.00	-7.4%
5) TOTAL, REVENUES			27,486,324.62	25,451,822.00	-7.4%
B. EXPENDITURES (Objects 1000-7999)					
1) Instruction	1000-1999		0.00	0.00	0.0%
2) Instruction - Related Services	2000-2999		0.00	0.00	0.0%
3) Pupil Services	3000-3999		0.00	0.00	0.0%
4) Ancillary Services	4000-4999		0.00	0.00	0.0%
5) Community Services	5000-5999		0.00	0.00	0.0%
6) Enterprise	6000-6999		0.00	0.00	0.0%
7) General Administration	7000-7999		0.00	0.00	0.0%
8) Plant Services	8000-8999		3,965,456.97	3,832,285.05	-3.4%
9) Other Outgo	9000-9999	Except 7600-7699	77,166,828.13	12,983,506.95	-83.2%
10) TOTAL, EXPENDITURES			81,132,285.10	16,815,792.00	-79.3%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B10)			(53,645,960.48)	8,636,030.00	-116.1%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	39,568,458.25	0.00	-100.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			39,568,458.25	0.00	-100.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			(14,077,502.23)	8,636,030.00	-161.3%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	143,487,897.76	129,410,395.53	-9.8%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			143,487,897.76	129,410,395.53	-9.8%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			143,487,897.76	129,410,395.53	-9.8%
2) Ending Balance, June 30 (E + F1e)			129,410,395.53	138,046,425.53	6.7%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.00	0.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments (by Resource/Object)		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments (by Resource/Object)		9780	129,410,395.53	138,046,425.53	6.7%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Resource	Description	2016-17	2017-18
		Estimated Actuals	Budget
Total, Restricted Balance		0.00	0.00

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	0.00	0.00	0.0%
5) TOTAL, REVENUES			0.00	0.00	0.0%
B. EXPENDITURES					
1) Certificated Salaries		1000-1999	0.00	0.00	0.0%
2) Classified Salaries		2000-2999	0.00	0.00	0.0%
3) Employee Benefits		3000-3999	0.00	0.00	0.0%
4) Books and Supplies		4000-4999	0.00	0.00	0.0%
5) Services and Other Operating Expenditures		5000-5999	0.00	0.00	0.0%
6) Capital Outlay		6000-6999	0.00	0.00	0.0%
7) Other Outgo (excluding Transfers of Indirect Costs)		7100-7299, 7400-7499	0.00	0.00	0.0%
8) Other Outgo - Transfers of Indirect Costs		7300-7399	0.00	0.00	0.0%
9) TOTAL, EXPENDITURES			0.00	0.00	0.0%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B9)			0.00	0.00	0.0%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			0.00	0.00	0.0%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	18,349,408.00	18,349,408.00	0.0%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			18,349,408.00	18,349,408.00	0.0%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			18,349,408.00	18,349,408.00	0.0%
2) Ending Balance, June 30 (E + F1e)			18,349,408.00	18,349,408.00	0.0%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.00	0.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments		9780	18,349,408.00	18,349,408.00	0.0%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
G. ASSETS					
1) Cash					
a) in County Treasury		9110	0.00		
1) Fair Value Adjustment to Cash in County Treasury		9111	0.00		
b) in Banks		9120	0.00		
c) in Revolving Fund		9130	0.00		
d) with Fiscal Agent		9135	0.00		
e) collections awaiting deposit		9140	0.00		
2) Investments		9150	0.00		
3) Accounts Receivable		9200	0.00		
4) Due from Grantor Government		9290	0.00		
5) Due from Other Funds		9310	0.00		
6) Stores		9320	0.00		
7) Prepaid Expenditures		9330	0.00		
8) Other Current Assets		9340	0.00		
9) TOTAL, ASSETS			0.00		
H. DEFERRED OUTFLOWS OF RESOURCES					
1) Deferred Outflows of Resources		9490	0.00		
2) TOTAL, DEFERRED OUTFLOWS			0.00		
I. LIABILITIES					
1) Accounts Payable		9500	0.00		
2) Due to Grantor Governments		9590	0.00		
3) Due to Other Funds		9610	0.00		
4) Current Loans		9640	0.00		
5) Unearned Revenue		9650	0.00		
6) TOTAL, LIABILITIES			0.00		
J. DEFERRED INFLOWS OF RESOURCES					
1) Deferred Inflows of Resources		9690	0.00		
2) TOTAL, DEFERRED INFLOWS			0.00		
K. FUND EQUITY					
Ending Fund Balance, June 30 (G9 + H2) - (I6 + J2)			0.00		

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
FEDERAL REVENUE					
All Other Federal Revenue		8290	0.00	0.00	0.0%
TOTAL, FEDERAL REVENUE			0.00	0.00	0.0%
OTHER STATE REVENUE					
Tax Relief Subventions Voted Indebtedness Levies					
Homeowners' Exemptions		8571	0.00	0.00	0.0%
Other Subventions/In-Lieu Taxes		8572	0.00	0.00	0.0%
TOTAL, OTHER STATE REVENUE			0.00	0.00	0.0%
OTHER LOCAL REVENUE					
Other Local Revenue					
County and District Taxes Voted Indebtedness Levies Secured Roll		8611	0.00	0.00	0.0%
Unsecured Roll		8612	0.00	0.00	0.0%
Prior Years' Taxes		8613	0.00	0.00	0.0%
Supplemental Taxes		8614	0.00	0.00	0.0%
Penalties and Interest from Delinquent Non-LCFF Taxes		8629	0.00	0.00	0.0%
Interest		8660	0.00	0.00	0.0%
Net Increase (Decrease) in the Fair Value of Investments		8662	0.00	0.00	0.0%
Other Local Revenue					
All Other Local Revenue		8699	0.00	0.00	0.0%
All Other Transfers In from All Others		8799	0.00	0.00	0.0%
TOTAL, OTHER LOCAL REVENUE			0.00	0.00	0.0%
TOTAL, REVENUES			0.00	0.00	0.0%

			2016-17	2017-18	Percent
Description	Resource Codes	Object Codes	Estimated Actuals	Budget	Difference
OTHER OUTGO (excluding Transfers of Indirect Costs)					
Debt Service					
Bond Redemptions		7433	0.00	0.00	0.0%
Bond Interest and Other Service Charges		7434	0.00	0.00	0.0%
Debt Service - Interest		7438	0.00	0.00	0.0%
Other Debt Service - Principal		7439	0.00	0.00	0.0%
TOTAL, OTHER OUTGO (excluding Transfers of Indirect Costs)			0.00	0.00	0.0%
TOTAL, EXPENDITURES			0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
INTERFUND TRANSFERS					
INTERFUND TRANSFERS IN					
Other Authorized Interfund Transfers In		8919	0.00	0.00	0.0%
(a) TOTAL, INTERFUND TRANSFERS IN			0.00	0.00	0.0%
INTERFUND TRANSFERS OUT					
To: General Fund		7614	0.00	0.00	0.0%
Other Authorized Interfund Transfers Out		7619	0.00	0.00	0.0%
(b) TOTAL, INTERFUND TRANSFERS OUT			0.00	0.00	0.0%
OTHER SOURCES/USES					
SOURCES					
Other Sources					
Transfers from Funds of Lapsed/Reorganized LEAs		8965	0.00	0.00	0.0%
All Other Financing Sources		8979	0.00	0.00	0.0%
(c) TOTAL, SOURCES			0.00	0.00	0.0%
USES					
Transfers of Funds from Lapsed/Reorganized LEAs		7651	0.00	0.00	0.0%
All Other Financing Uses		7699	0.00	0.00	0.0%
(d) TOTAL, USES			0.00	0.00	0.0%
CONTRIBUTIONS					
Contributions from Unrestricted Revenues		8980	0.00	0.00	0.0%
Contributions from Restricted Revenues		8990	0.00	0.00	0.0%
(e) TOTAL, CONTRIBUTIONS			0.00	0.00	0.0%
TOTAL, OTHER FINANCING SOURCES/USES (a - b + c - d + e)			0.00	0.00	0.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	0.00	0.00	0.0%
5) TOTAL, REVENUES			0.00	0.00	0.0%
B. EXPENDITURES (Objects 1000-7999)					
1) Instruction	1000-1999		0.00	0.00	0.0%
2) Instruction - Related Services	2000-2999		0.00	0.00	0.0%
3) Pupil Services	3000-3999		0.00	0.00	0.0%
4) Ancillary Services	4000-4999		0.00	0.00	0.0%
5) Community Services	5000-5999		0.00	0.00	0.0%
6) Enterprise	6000-6999		0.00	0.00	0.0%
7) General Administration	7000-7999		0.00	0.00	0.0%
8) Plant Services	8000-8999		0.00	0.00	0.0%
9) Other Outgo	9000-9999	Except 7600-7699	0.00	0.00	0.0%
10) TOTAL, EXPENDITURES			0.00	0.00	0.0%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B10)			0.00	0.00	0.0%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			0.00	0.00	0.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN FUND BALANCE (C + D4)			0.00	0.00	0.0%
F. FUND BALANCE, RESERVES					
1) Beginning Fund Balance					
a) As of July 1 - Unaudited		9791	18,349,408.00	18,349,408.00	0.0%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			18,349,408.00	18,349,408.00	0.0%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Balance (F1c + F1d)			18,349,408.00	18,349,408.00	0.0%
2) Ending Balance, June 30 (E + F1e)			18,349,408.00	18,349,408.00	0.0%
Components of Ending Fund Balance					
a) Nonspendable					
Revolving Cash		9711	0.00	0.00	0.0%
Stores		9712	0.00	0.00	0.0%
Prepaid Expenditures		9713	0.00	0.00	0.0%
All Others		9719	0.00	0.00	0.0%
b) Restricted		9740	0.00	0.00	0.0%
c) Committed					
Stabilization Arrangements		9750	0.00	0.00	0.0%
Other Commitments (by Resource/Object)		9760	0.00	0.00	0.0%
d) Assigned					
Other Assignments (by Resource/Object)		9780	18,349,408.00	18,349,408.00	0.0%
e) Unassigned/Unappropriated					
Reserve for Economic Uncertainties		9789	0.00	0.00	0.0%
Unassigned/Unappropriated Amount		9790	0.00	0.00	0.0%

Resource	Description	2016-17	2017-18
		Estimated Actuals	Budget
Total, Restricted Balance		0.00	0.00

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	93.00	95.00	2.2%
5) TOTAL, REVENUES			93.00	95.00	2.2%
B. EXPENSES					
1) Certificated Salaries		1000-1999	0.00	0.00	0.0%
2) Classified Salaries		2000-2999	0.00	0.00	0.0%
3) Employee Benefits		3000-3999	0.00	0.00	0.0%
4) Books and Supplies		4000-4999	0.00	0.00	0.0%
5) Services and Other Operating Expenses		5000-5999	0.00	0.00	0.0%
6) Depreciation		6000-6999	0.00	0.00	0.0%
7) Other Outgo (excluding Transfers of Indirect Costs)		7100-7299, 7400-7499	0.00	0.00	0.0%
8) Other Outgo - Transfers of Indirect Costs		7300-7399	0.00	0.00	0.0%
9) TOTAL, EXPENSES			0.00	0.00	0.0%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENSES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B9)			93.00	95.00	2.2%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN NET POSITION (C + D4)			93.00	95.00	2.2%
F. NET POSITION					
1) Beginning Net Position					
a) As of July 1 - Unaudited		9791	12,699.13	12,792.13	0.7%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			12,699.13	12,792.13	0.7%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Net Position (F1c + F1d)			12,699.13	12,792.13	0.7%
2) Ending Net Position, June 30 (E + F1e)			12,792.13	12,887.13	0.7%
Components of Ending Net Position					
a) Net Investment in Capital Assets		9796	0.00	0.00	0.0%
b) Restricted Net Position		9797	0.00	0.00	0.0%
c) Unrestricted Net Position		9790	12,792.13	12,887.13	0.7%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
G. ASSETS					
1) Cash					
a) in County Treasury		9110	12,668.65		
1) Fair Value Adjustment to Cash in County Treasury		9111	0.00		
b) in Banks		9120	0.00		
c) in Revolving Fund		9130	0.00		
d) with Fiscal Agent		9135	0.00		
e) collections awaiting deposit		9140	0.00		
2) Investments		9150	0.00		
3) Accounts Receivable		9200	30.48		
4) Due from Grantor Government		9290	0.00		
5) Due from Other Funds		9310	0.00		
6) Stores		9320	0.00		
7) Prepaid Expenditures		9330	0.00		
8) Other Current Assets		9340	0.00		
9) Fixed Assets					
a) Land		9410	0.00		
b) Land Improvements		9420	0.00		
c) Accumulated Depreciation - Land Improvements		9425	0.00		
d) Buildings		9430	0.00		
e) Accumulated Depreciation - Buildings		9435	0.00		
f) Equipment		9440	0.00		
g) Accumulated Depreciation - Equipment		9445	0.00		
h) Work in Progress		9450	0.00		
10) TOTAL, ASSETS			12,699.13		
H. DEFERRED OUTFLOWS OF RESOURCES					
1) Deferred Outflows of Resources		9490	0.00		
2) TOTAL, DEFERRED OUTFLOWS			0.00		

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
I. LIABILITIES					
1) Accounts Payable		9500	0.00		
2) Due to Grantor Governments		9590	0.00		
3) Due to Other Funds		9610	0.00		
4) Current Loans		9640			
5) Unearned Revenue		9650	0.00		
6) Long-Term Liabilities					
a) Net Pension Liability		9663	0.00		
b) Net OPEB Obligation		9664	0.00		
c) Compensated Absences		9665	0.00		
d) COPs Payable		9666	0.00		
e) Capital Leases Payable		9667	0.00		
f) Lease Revenue Bonds Payable		9668	0.00		
g) Other General Long-Term Liabilities		9669	0.00		
7) TOTAL, LIABILITIES			0.00		
J. DEFERRED INFLOWS OF RESOURCES					
1) Deferred Inflows of Resources		9690	0.00		
2) TOTAL, DEFERRED INFLOWS			0.00		
K. NET POSITION					
Net Position, June 30					
(G10 + H2) - (I7 + J2)			12,699.13		

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
OTHER STATE REVENUE					
STRS On-Behalf Pension Contributions	7690	8590	0.00	0.00	0.0%
All Other State Revenue	All Other	8590	0.00	0.00	0.0%
TOTAL, OTHER STATE REVENUE			0.00	0.00	0.0%
OTHER LOCAL REVENUE					
Other Local Revenue					
Sales					
Sale of Equipment/Supplies		8631	0.00	0.00	0.0%
Interest		8660	93.00	95.00	2.2%
Net Increase (Decrease) in the Fair Value of Investments		8662	0.00	0.00	0.0%
Other Local Revenue					
All Other Local Revenue		8699	0.00	0.00	0.0%
TOTAL, OTHER LOCAL REVENUE			93.00	95.00	2.2%
TOTAL, REVENUES			93.00	95.00	2.2%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
CERTIFICATED SALARIES					
Certificated Teachers' Salaries		1100	0.00	0.00	0.0%
Certificated Pupil Support Salaries		1200	0.00	0.00	0.0%
Certificated Supervisors' and Administrators' Salaries		1300	0.00	0.00	0.0%
Other Certificated Salaries		1900	0.00	0.00	0.0%
TOTAL, CERTIFICATED SALARIES			0.00	0.00	0.0%
CLASSIFIED SALARIES					
Classified Instructional Salaries		2100	0.00	0.00	0.0%
Classified Support Salaries		2200	0.00	0.00	0.0%
Classified Supervisors' and Administrators' Salaries		2300	0.00	0.00	0.0%
Clerical, Technical and Office Salaries		2400	0.00	0.00	0.0%
Other Classified Salaries		2900	0.00	0.00	0.0%
TOTAL, CLASSIFIED SALARIES			0.00	0.00	0.0%
EMPLOYEE BENEFITS					
STRS		3101-3102	0.00	0.00	0.0%
PERS		3201-3202	0.00	0.00	0.0%
OASDI/Medicare/Alternative		3301-3302	0.00	0.00	0.0%
Health and Welfare Benefits		3401-3402	0.00	0.00	0.0%
Unemployment Insurance		3501-3502	0.00	0.00	0.0%
Workers' Compensation		3601-3602	0.00	0.00	0.0%
OPEB, Allocated		3701-3702	0.00	0.00	0.0%
OPEB, Active Employees		3751-3752	0.00	0.00	0.0%
Other Employee Benefits		3901-3902	0.00	0.00	0.0%
TOTAL, EMPLOYEE BENEFITS			0.00	0.00	0.0%
BOOKS AND SUPPLIES					
Approved Textbooks and Core Curricula Materials		4100	0.00	0.00	0.0%
Books and Other Reference Materials		4200	0.00	0.00	0.0%
Materials and Supplies		4300	0.00	0.00	0.0%
Noncapitalized Equipment		4400	0.00	0.00	0.0%
Food		4700	0.00	0.00	0.0%
TOTAL, BOOKS AND SUPPLIES			0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
SERVICES AND OTHER OPERATING EXPENSES					
Subagreements for Services		5100	0.00	0.00	0.0%
Travel and Conferences		5200	0.00	0.00	0.0%
Dues and Memberships		5300	0.00	0.00	0.0%
Insurance		5400-5450	0.00	0.00	0.0%
Operations and Housekeeping Services		5500	0.00	0.00	0.0%
Rentals, Leases, Repairs, and Noncapitalized Improvements		5600	0.00	0.00	0.0%
Transfers of Direct Costs		5710	0.00	0.00	0.0%
Transfers of Direct Costs - Interfund		5750	0.00	0.00	0.0%
Professional/Consulting Services and Operating Expenditures		5800	0.00	0.00	0.0%
Communications		5900	0.00	0.00	0.0%
TOTAL, SERVICES AND OTHER OPERATING EXPENSES			0.00	0.00	0.0%
DEPRECIATION					
Depreciation Expense		6900	0.00	0.00	0.0%
TOTAL, DEPRECIATION			0.00	0.00	0.0%
OTHER OUTGO (excluding Transfers of Indirect Costs)					
All Other Transfers Out to All Others		7299	0.00	0.00	0.0%
TOTAL, OTHER OUTGO (excluding Transfers of Indirect Costs)			0.00	0.00	0.0%
TOTAL, EXPENSES			0.00	0.00	0.0%

Description	Resource Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
INTERFUND TRANSFERS					
INTERFUND TRANSFERS IN					
Other Authorized Interfund Transfers In		8919	0.00	0.00	0.0%
(a) TOTAL, INTERFUND TRANSFERS IN			0.00	0.00	0.0%
OTHER SOURCES/USES					
SOURCES					
Other Sources					
Transfers from Funds of Lapsed/Reorganized LEAs		8965	0.00	0.00	0.0%
All Other Financing Sources		8979	0.00	0.00	0.0%
(c) TOTAL, SOURCES			0.00	0.00	0.0%
USES					
Transfers of Funds from Lapsed/Reorganized LEAs		7651	0.00	0.00	0.0%
All Other Financing Uses		7699	0.00	0.00	0.0%
(d) TOTAL, USES			0.00	0.00	0.0%
CONTRIBUTIONS					
Contributions from Unrestricted Revenues		8980	0.00	0.00	0.0%
Contributions from Restricted Revenues		8990	0.00	0.00	0.0%
(e) TOTAL, CONTRIBUTIONS			0.00	0.00	0.0%
TOTAL, OTHER FINANCING SOURCES/USES (a + c - d + e)			0.00	0.00	0.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
A. REVENUES					
1) LCFF Sources		8010-8099	0.00	0.00	0.0%
2) Federal Revenue		8100-8299	0.00	0.00	0.0%
3) Other State Revenue		8300-8599	0.00	0.00	0.0%
4) Other Local Revenue		8600-8799	93.00	95.00	2.2%
5) TOTAL, REVENUES			93.00	95.00	2.2%
B. EXPENSES (Objects 1000-7999)					
1) Instruction	1000-1999		0.00	0.00	0.0%
2) Instruction - Related Services	2000-2999		0.00	0.00	0.0%
3) Pupil Services	3000-3999		0.00	0.00	0.0%
4) Ancillary Services	4000-4999		0.00	0.00	0.0%
5) Community Services	5000-5999		0.00	0.00	0.0%
6) Enterprise	6000-6999		0.00	0.00	0.0%
7) General Administration	7000-7999		0.00	0.00	0.0%
8) Plant Services	8000-8999		0.00	0.00	0.0%
9) Other Outgo	9000-9999	Except 7600-7699	0.00	0.00	0.0%
10) TOTAL, EXPENSES			0.00	0.00	0.0%
C. EXCESS (DEFICIENCY) OF REVENUES OVER EXPENSES BEFORE OTHER FINANCING SOURCES AND USES (A5 - B10)			93.00	95.00	2.2%
D. OTHER FINANCING SOURCES/USES					
1) Interfund Transfers					
a) Transfers In		8900-8929	0.00	0.00	0.0%
b) Transfers Out		7600-7629	0.00	0.00	0.0%
2) Other Sources/Uses					
a) Sources		8930-8979	0.00	0.00	0.0%
b) Uses		7630-7699	0.00	0.00	0.0%
3) Contributions		8980-8999	0.00	0.00	0.0%
4) TOTAL, OTHER FINANCING SOURCES/USES			0.00	0.00	0.0%

Description	Function Codes	Object Codes	2016-17 Estimated Actuals	2017-18 Budget	Percent Difference
E. NET INCREASE (DECREASE) IN NET POSITION (C + D4)			93.00	95.00	2.2%
F. NET POSITION					
1) Beginning Net Position					
a) As of July 1 - Unaudited		9791	12,699.13	12,792.13	0.7%
b) Audit Adjustments		9793	0.00	0.00	0.0%
c) As of July 1 - Audited (F1a + F1b)			12,699.13	12,792.13	0.7%
d) Other Restatements		9795	0.00	0.00	0.0%
e) Adjusted Beginning Net Position (F1c + F1d)			12,699.13	12,792.13	0.7%
2) Ending Net Position, June 30 (E + F1e)			12,792.13	12,887.13	0.7%
Components of Ending Net Position					
a) Net Investment in Capital Assets		9796	0.00	0.00	0.0%
b) Restricted Net Position		9797	0.00	0.00	0.0%
c) Unrestricted Net Position		9790	12,792.13	12,887.13	0.7%

Resource	Description	2016-17	2017-18
		Estimated Actuals	Budget
Total, Restricted Net Position		0.00	0.00

Description	2016-17 Estimated Actuals			2017-18 Budget		
	P-2 ADA	Annual ADA	Funded ADA	Estimated P-2 ADA	Estimated Annual ADA	Estimated Funded ADA
A. DISTRICT						
1. Total District Regular ADA Includes Opportunity Classes, Home & Hospital, Special Day Class, Continuation Education, Special Education NPS/LCI and Extended Year, and Community Day School (includes Necessary Small School ADA)	37,733.13	37,733.13	37,733.13	38,259.65	38,259.65	38,259.65
2. Total Basic Aid Choice/Court Ordered Voluntary Pupil Transfer Regular ADA Includes Opportunity Classes, Home & Hospital, Special Day Class, Continuation Education, Special Education NPS/LCI and Extended Year, and Community Day School (ADA not included in Line A1 above)						
3. Total Basic Aid Open Enrollment Regular ADA Includes Opportunity Classes, Home & Hospital, Special Day Class, Continuation Education, Special Education NPS/LCI and Extended Year, and Community Day School (ADA not included in Line A1 above)						
4. Total, District Regular ADA (Sum of Lines A1 through A3)	37,733.13	37,733.13	37,733.13	38,259.65	38,259.65	38,259.65
5. District Funded County Program ADA						
a. County Community Schools	24.78	24.78	24.78	26.11	26.11	26.11
b. Special Education-Special Day Class						
c. Special Education-NPS/LCI						
d. Special Education Extended Year						
e. Other County Operated Programs: Opportunity Schools and Full Day Opportunity Classes, Specialized Secondary Schools, Technical, Agricultural, and Natural Resource Conservation Schools						
f. County School Tuition Fund (Out of State Tuition) [EC 2000 and 46380]						
g. Total, District Funded County Program ADA (Sum of Lines A5a through A5f)	24.78	24.78	24.78	26.11	26.11	26.11
6. TOTAL DISTRICT ADA (Sum of Line A4 and Line A5g)	37,757.91	37,757.91	37,757.91	38,285.76	38,285.76	38,285.76
7. Adults in Correctional Facilities						
8. Charter School ADA (Enter Charter School ADA using Tab C. Charter School ADA)						

Description	2016-17 Estimated Actuals			2017-18 Budget		
	P-2 ADA	Annual ADA	Funded ADA	Estimated P-2 ADA	Estimated Annual ADA	Estimated Funded ADA
B. COUNTY OFFICE OF EDUCATION						
1. County Program Alternative Education ADA						
a. County Group Home and Institution Pupils						
b. Juvenile Halls, Homes, and Camps						
c. Probation Referred, On Probation or Parole, Expelled per EC 48915(a) or (c) [EC 2574(c)(4)(A)]						
d. Total, County Program Alternative Education ADA (Sum of Lines B1a through B1c)	0.00	0.00	0.00	0.00	0.00	0.00
2. District Funded County Program ADA						
a. County Community Schools						
b. Special Education-Special Day Class						
c. Special Education-NPS/LCI						
d. Special Education Extended Year						
e. Other County Operated Programs: Opportunity Schools and Full Day Opportunity Classes, Specialized Secondary Schools, Technical, Agricultural, and Natural Resource Conservation Schools						
f. County School Tuition Fund (Out of State Tuition) [EC 2000 and 46380]						
g. Total, District Funded County Program ADA (Sum of Lines B2a through B2f)	0.00	0.00	0.00	0.00	0.00	0.00
3. TOTAL COUNTY OFFICE ADA (Sum of Lines B1d and B2g)	0.00	0.00	0.00	0.00	0.00	0.00
4. Adults in Correctional Facilities						
5. County Operations Grant ADA						
6. Charter School ADA (Enter Charter School ADA using Tab C. Charter School ADA)						

Description	2016-17 Estimated Actuals			2017-18 Budget		
	P-2 ADA	Annual ADA	Funded ADA	Estimated P-2 ADA	Estimated Annual ADA	Estimated Funded ADA
C. CHARTER SCHOOL ADA						
Authorizing LEAs reporting charter school SACS financial data in their Fund 01, 09, or 62 use this worksheet to report ADA for those charter schools Charter schools reporting SACS financial data separately from their authorizing LEAs in Fund 01 or Fund 62 use this worksheet to report their ADA						
FUND 01: Charter School ADA corresponding to SACS financial data reported in Fund 01.						
1. Total Charter School Regular ADA						
2. Charter School County Program Alternative Education ADA						
a. County Group Home and Institution Pupils						
b. Juvenile Halls, Homes, and Camps						
c. Probation Referred, On Probation or Parole, Expelled per EC 48915(a) or (c) [EC 2574(c)(4)(A)]						
d. Total, Charter School County Program Alternative Education ADA (Sum of Lines C2a through C2c)	0.00	0.00	0.00	0.00	0.00	0.00
3. Charter School Funded County Program ADA						
a. County Community Schools						
b. Special Education-Special Day Class						
c. Special Education-NPS/LCI						
d. Special Education Extended Year						
e. Other County Operated Programs: Opportunity Schools and Full Day Opportunity Classes, Specialized Secondary Schools, Technical, Agricultural, and Natural Resource Conservation Schools						
f. Total, Charter School Funded County Program ADA (Sum of Lines C3a through C3e)	0.00	0.00	0.00	0.00	0.00	0.00
4. TOTAL CHARTER SCHOOL ADA (Sum of Lines C1, C2d, and C3f)	0.00	0.00	0.00	0.00	0.00	0.00
FUND 09 or 62: Charter School ADA corresponding to SACS financial data reported in Fund 09 or Fund 62.						
5. Total Charter School Regular ADA						
6. Charter School County Program Alternative Education ADA						
a. County Group Home and Institution Pupils						
b. Juvenile Halls, Homes, and Camps						
c. Probation Referred, On Probation or Parole, Expelled per EC 48915(a) or (c) [EC 2574(c)(4)(A)]						
d. Total, Charter School County Program Alternative Education ADA (Sum of Lines C6a through C6c)	0.00	0.00	0.00	0.00	0.00	0.00
7. Charter School Funded County Program ADA						
a. County Community Schools						
b. Special Education-Special Day Class						
c. Special Education-NPS/LCI						
d. Special Education Extended Year						
e. Other County Operated Programs: Opportunity Schools and Full Day Opportunity Classes, Specialized Secondary Schools, Technical, Agricultural, and Natural Resource Conservation Schools						
f. Total, Charter School Funded County Program ADA (Sum of Lines C7a through C7e)	0.00	0.00	0.00	0.00	0.00	0.00
8. TOTAL CHARTER SCHOOL ADA (Sum of Lines C5, C6d, and C7f)	0.00	0.00	0.00	0.00	0.00	0.00
9. TOTAL CHARTER SCHOOL ADA Reported in Fund 01, 09, or 62 (Sum of Lines C4 and C8)	0.00	0.00	0.00	0.00	0.00	0.00

PART I - CURRENT EXPENSE FORMULA	Total Expense for Year (1)	EDP No.	Reductions (See Note 1) (2)	EDP No.	Current Expense of Education (Col 1 - Col 2) (3)	EDP No.	Reductions (Extracted) (See Note 2) (4a)	Reductions (Overrides)* (See Note 2) (4b)	EDP No.	Current Expense- Part II (Col 3 - Col 4) (5)	EDP No.
1000 - Certificated Salaries	209,940,958.95	301	3,074.00	303	209,937,884.95	305	5,942,519.49		307	203,995,365.46	309
2000 - Classified Salaries	73,150,828.06	311	226,714.00	313	72,924,114.06	315	6,345,159.90		317	66,578,954.16	319
3000 - Employee Benefits	99,140,720.72	321	113,898.00	323	99,026,822.72	325	4,092,224.00		327	94,934,598.72	329
4000 - Books, Supplies Equip Replace. (6500)	26,240,051.16	331	314,910.00	333	25,925,141.16	335	4,301,920.55		337	21,623,220.61	339
5000 - Services. . . & 7300 - Indirect Costs	39,711,463.49	341	(25,180.00)	343	39,736,643.49	345	8,595,431.06		347	31,141,212.43	349
TOTAL					447,550,606.38	365	TOTAL			418,273,351.38	369

Note 1 - In Column 2, report expenditures for the following programs: Nonagency (Goals 7100-7199), Community Services (Goal 8100), Food Services (Function 3700), Fringe Benefits for Retired Persons (Objects 3701-3702), and Facilities Acquisition & Construction (Function 8500).

Note 2 - In Column 4, report expenditures for: Transportation (Function 3600), Lottery Expenditures (Resource 1100), Special Education Students in Nonpublic Schools (Function 1180), and other federal or state categorical aid in which funds were granted for expenditures in a program not incurring any teacher salary expenditures or requiring disbursement of the funds without regard to the requirements of EC Section 41372.

* If an amount (even zero) is entered in any row of Column 4b or in Line 13b, the form uses only the values in Column 4b and Line 13b rather than the values in Column 4a and Line 13a.

PART II: MINIMUM CLASSROOM COMPENSATION (Instruction, Functions 1000-1999)		Object	EDP No.
1. Teacher Salaries as Per EC 41011.	1100	157,439,785.92	375
2. Salaries of Instructional Aides Per EC 41011.	2100	16,151,027.28	380
3. STRS.	3101 & 3102	30,847,513.21	382
4. PERS.	3201 & 3202	2,368,107.67	383
5. OASDI - Regular, Medicare and Alternative.	3301 & 3302	3,512,837.30	384
6. Health & Welfare Benefits (EC 41372) (Include Health, Dental, Vision, Pharmaceutical, and Annuity Plans).	3401 & 3402	23,825,098.48	385
7. Unemployment Insurance.	3501 & 3502	86,402.84	390
8. Workers' Compensation Insurance.	3601 & 3602	3,226,957.53	392
9. OPEB, Active Employees (EC 41372).	3751 & 3752	0.00	
10. Other Benefits (EC 22310).	3901 & 3902	401,818.00	393
11. SUBTOTAL Salaries and Benefits (Sum Lines 1 - 10).		237,859,548.23	395
12. Less: Teacher and Instructional Aide Salaries and Benefits deducted in Column 2.		3,567.00	
13a. Less: Teacher and Instructional Aide Salaries and Benefits (other than Lottery) deducted in Column 4a (Extracted).		674,196.32	396
b. Less: Teacher and Instructional Aide Salaries and Benefits (other than Lottery) deducted in Column 4b (Overrides)*.			396
14. TOTAL SALARIES AND BENEFITS.		237,181,784.91	397
15. Percent of Current Cost of Education Expended for Classroom Compensation (EDP 397 divided by EDP 369) Line 15 must equal or exceed 60% for elementary, 55% for unified and 50% for high school districts to avoid penalty under provisions of EC 41372.		56.70%	
16. District is exempt from EC 41372 because it meets the provisions of EC 41374. (If exempt, enter 'X')			

PART III: DEFICIENCY AMOUNT

A deficiency amount (Line 5) is only applicable to districts not meeting the minimum classroom compensation percentage required under EC 41372 and not exempt under the provisions of EC 41374.

1. Minimum percentage required (60% elementary, 55% unified, 50% high)	50.00%
2. Percentage spent by this district (Part II, Line 15)	56.70%
3. Percentage below the minimum (Part III, Line 1 minus Line 2)	0.00%
4. District's Current Expense of Education after reductions in columns 4a or 4b (Part I, EDP 369).	418,273,351.38
5. Deficiency Amount (Part III, Line 3 times Line 4)	0.00

PART IV: Explanation for adjustments entered in Part I, Column 4b (required)

PART I - CURRENT EXPENSE FORMULA	Total Expense for Year (1)	EDP No.	Reductions (See Note 1) (2)	EDP No.	Current Expense of Education (Col 1 - Col 2) (3)	EDP No.	Reductions (Extracted) (See Note 2) (4a)	Reductions (Overrides)* (See Note 2) (4b)	EDP No.	Current Expense- Part II (Col 3 - Col 4) (5)	EDP No.
1000 - Certificated Salaries	211,547,863.38	301	0.00	303	211,547,863.38	305	5,014,170.00		307	206,533,693.38	309
2000 - Classified Salaries	74,001,658.00	311	17,844.00	313	73,983,814.00	315	6,163,863.00		317	67,819,951.00	319
3000 - Employee Benefits	107,480,182.00	321	8,667.00	323	107,471,515.00	325	4,138,399.00		327	103,333,116.00	329
4000 - Books, Supplies Equip Replace. (6500)	15,176,012.05	331	0.00	333	15,176,012.05	335	3,050,525.00		337	12,125,487.05	339
5000 - Services. . . & 7300 - Indirect Costs	30,393,064.80	341	0.00	343	30,393,064.80	345	7,838,993.00		347	22,554,071.80	349
TOTAL					438,572,269.23	365	TOTAL			412,366,319.23	369

Note 1 - In Column 2, report expenditures for the following programs: Nonagency (Goals 7100-7199), Community Services (Goal 8100), Food Services (Function 3700), Fringe Benefits for Retired Persons (Objects 3701-3702), and Facilities Acquisition & Construction (Function 8500).

Note 2 - In Column 4, report expenditures for: Transportation (Function 3600), Lottery Expenditures (Resource 1100), Special Education Students in Nonpublic Schools (Function 1180), and other federal or state categorical aid in which funds were granted for expenditures in a program not incurring any teacher salary expenditures or requiring disbursement of the funds without regard to the requirements of EC Section 41372.

* If an amount (even zero) is entered in any row of Column 4b or in Line 13b, the form uses only the values in Column 4b and Line 13b rather than the values in Column 4a and Line 13a.

PART II: MINIMUM CLASSROOM COMPENSATION (Instruction, Functions 1000-1999)		Object		EDP No.
1.	Teacher Salaries as Per EC 41011.	1100	155,675,760.38	375
2.	Salaries of Instructional Aides Per EC 41011.	2100	16,330,505.00	380
3.	STRS.	3101 & 3102	34,495,620.00	382
4.	PERS.	3201 & 3202	2,729,011.00	383
5.	OASDI - Regular, Medicare and Alternative.	3301 & 3302	3,769,699.00	384
6.	Health & Welfare Benefits (EC 41372) (Include Health, Dental, Vision, Pharmaceutical, and Annuity Plans).	3401 & 3402	25,449,497.00	385
7.	Unemployment Insurance.	3501 & 3502	82,373.00	390
8.	Workers' Compensation Insurance.	3601 & 3602	3,196,283.00	392
9.	OPEB, Active Employees (EC 41372).	3751 & 3752	0.00	
10.	Other Benefits (EC 22310).	3901 & 3902	334,681.00	393
11.	SUBTOTAL Salaries and Benefits (Sum Lines 1 - 10).		242,063,429.38	395
12.	Less: Teacher and Instructional Aide Salaries and Benefits deducted in Column 2.		0.00	
13a.	Less: Teacher and Instructional Aide Salaries and Benefits (other than Lottery) deducted in Column 4a (Extracted).		440,622.00	396
b.	Less: Teacher and Instructional Aide Salaries and Benefits (other than Lottery) deducted in Column 4b (Overrides)*.			396
14.	TOTAL SALARIES AND BENEFITS.		241,622,807.38	397
15.	Percent of Current Cost of Education Expended for Classroom Compensation (EDP 397 divided by EDP 369) Line 15 must equal or exceed 60% for elementary, 55% for unified and 50% for high school districts to avoid penalty under provisions of EC 41372.		58.59%	
16.	District is exempt from EC 41372 because it meets the provisions of EC 41374. (If exempt, enter 'X')			

PART III: DEFICIENCY AMOUNT

A deficiency amount (Line 5) is only applicable to districts not meeting the minimum classroom compensation percentage required under EC 41372 and not exempt under the provisions of EC 41374.

1. Minimum percentage required (60% elementary, 55% unified, 50% high)	50.00%
2. Percentage spent by this district (Part II, Line 15)	58.59%
3. Percentage below the minimum (Part III, Line 1 minus Line 2)	0.00%
4. District's Current Expense of Education after reductions in columns 4a or 4b (Part I, EDP 369).	412,366,319.23
5. Deficiency Amount (Part III, Line 3 times Line 4)	0.00

PART IV: Explanation for adjustments entered in Part I, Column 4b (required)

Part I - General Administrative Share of Plant Services Costs

California's indirect cost plan allows that the general administrative costs in the indirect cost pool may include that portion of plant services costs (maintenance and operations costs and facilities rents and leases costs) attributable to the general administrative offices. The calculation of the plant services costs attributed to general administration and included in the pool is standardized and automated using the percentage of salaries and benefits relating to general administration as proxy for the percentage of square footage occupied by general administration.

A. Salaries and Benefits - Other General Administration and Centralized Data Processing

1. Salaries and benefits paid through payroll (Funds 01, 09, and 62, objects 1000-3999 except 3701-3702)
(Functions 7200-7700, goals 0000 and 9000) 17,783,782.00
2. Contracted general administrative positions not paid through payroll
 - a. Enter the costs, if any, of general administrative positions performing services ON SITE but paid through a contract, rather than through payroll, in functions 7200-7700, goals 0000 and 9000, Object 5800. _____
 - b. If an amount is entered on Line A2a, provide the title, duties, and approximate FTE of each general administrative position paid through a contract. Retain supporting documentation in case of audit. _____

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B. Salaries and Benefits - All Other Activities

1. Salaries and benefits paid through payroll (Funds 01, 09, and 62, objects 1000-3999 except 3701-3702)
(Functions 1000-6999, 7100-7180, & 8100-8400; Functions 7200-7700, all goals except 0000 & 9000) 364,448,725.73

C. Percentage of Plant Services Costs Attributable to General Administration

(Line A1 plus Line A2a, divided by Line B1; zero if negative) (See Part III, Lines A5 and A6) 4.88%

Part II - Adjustments for Employment Separation Costs

When an employee separates from service, the local educational agency (LEA) may incur costs associated with the separation in addition to the employee's regular salary and benefits for the final pay period. These additional costs can be categorized as "normal" or "abnormal or mass" separation costs.

Normal separation costs include items such as pay for accumulated unused leave or routine severance pay authorized by governing board policy. Normal separation costs are not allowable as direct costs to federal programs, but are allowable as indirect costs. State programs may have similar restrictions. Where federal or state program guidelines required that the LEA charge an employee's normal separation costs to an unrestricted resource rather than to the restricted program in which the employee worked, the LEA may identify and enter these costs on Line A for inclusion in the indirect cost pool.

Abnormal or mass separation costs are those costs resulting from actions taken by an LEA to influence employees to terminate their employment earlier than they normally would have. Abnormal or mass separation costs include retirement incentives such as a Golden Handshake or severance packages negotiated to effect termination. Abnormal or mass separation costs may not be charged to federal programs as either direct costs or indirect costs. Where an LEA paid abnormal or mass separation costs on behalf of positions in general administrative functions included in the indirect cost pool, the LEA must identify and enter these costs on Line B for exclusion from the pool.

A. Normal Separation Costs (optional)

Enter any normal separation costs paid on behalf of employees of restricted state or federal programs that were charged to an unrestricted resource (0000-1999) in funds 01, 09, and 62 with functions 1000-6999 or 8100-8400 rather than to the restricted program. These costs will be moved in Part III from base costs to the indirect cost pool. _____
Retain supporting documentation.

B. Abnormal or Mass Separation Costs (required)

Enter any abnormal or mass separation costs paid on behalf of general administrative positions charged to unrestricted resources (0000-1999) in funds 01, 09, and 62 with functions 7200-7700. These costs will be moved in Part III from the indirect cost pool to base costs. If none, enter zero. _____

Entry required

Part III - Indirect Cost Rate Calculation (Funds 01, 09, and 62, unless indicated otherwise)

A. Indirect Costs

1. Other General Administration, less portion charged to restricted resources or specific goals (Functions 7200-7600, objects 1000-5999, minus Line B9)	16,501,184.27
2. Centralized Data Processing, less portion charged to restricted resources or specific goals (Function 7700, objects 1000-5999, minus Line B10)	9,309,154.00
3. External Financial Audit - Single Audit (Function 7190, resources 0000-1999, goals 0000 and 9000, objects 5000-5999)	0.00
4. Staff Relations and Negotiations (Function 7120, resources 0000-1999, goals 0000 and 9000, objects 1000-5999)	0.00
5. Plant Maintenance and Operations (portion relating to general administrative offices only) (Functions 8100-8400, objects 1000-5999 except 5100, times Part I, Line C)	1,825,246.13
6. Facilities Rents and Leases (portion relating to general administrative offices only) (Function 8700, resources 0000-1999, objects 1000-5999 except 5100, times Part I, Line C)	75.88
7. Adjustment for Employment Separation Costs	
a. Plus: Normal Separation Costs (Part II, Line A)	0.00
b. Less: Abnormal or Mass Separation Costs (Part II, Line B)	0.00
8. Total Indirect Costs (Lines A1 through A7a, minus Line A7b)	27,635,660.28
9. Carry-Forward Adjustment (Part IV, Line F)	7,205,260.82
10. Total Adjusted Indirect Costs (Line A8 plus Line A9)	34,840,921.10

B. Base Costs

1. Instruction (Functions 1000-1999, objects 1000-5999 except 5100)	267,776,032.59
2. Instruction-Related Services (Functions 2000-2999, objects 1000-5999 except 5100)	64,374,875.80
3. Pupil Services (Functions 3000-3999, objects 1000-5999 except 5100)	39,992,102.29
4. Ancillary Services (Functions 4000-4999, objects 1000-5999 except 5100)	7,133,686.18
5. Community Services (Functions 5000-5999, objects 1000-5999 except 5100)	340,119.00
6. Enterprise (Function 6000, objects 1000-5999 except 5100)	0.00
7. Board and Superintendent (Functions 7100-7180, objects 1000-5999, minus Part III, Line A4)	3,690,023.00
8. External Financial Audit - Single Audit and Other (Functions 7190-7191, objects 5000-5999, minus Part III, Line A3)	88,500.00
9. Other General Administration (portion charged to restricted resources or specific goals only) (Functions 7200-7600, resources 2000-9999, objects 1000-5999; Functions 7200-7600, resources 0000-1999, all goals except 0000 and 9000, objects 1000-5999)	200.00
10. Centralized Data Processing (portion charged to restricted resources or specific goals only) (Function 7700, resources 2000-9999, objects 1000-5999; Function 7700, resources 0000-1999, all goals except 0000 and 9000, objects 1000-5999)	20,275.00
11. Plant Maintenance and Operations (all except portion relating to general administrative offices) (Functions 8100-8400, objects 1000-5999 except 5100, minus Part III, Line A5)	35,577,338.40
12. Facilities Rents and Leases (all except portion relating to general administrative offices) (Function 8700, objects 1000-5999 except 5100, minus Part III, Line A6)	1,479.12
13. Adjustment for Employment Separation Costs	
a. Less: Normal Separation Costs (Part II, Line A)	0.00
b. Plus: Abnormal or Mass Separation Costs (Part II, Line B)	0.00
14. Adult Education (Fund 11, functions 1000-6999, 8100-8400, and 8700, objects 1000-5999 except 5100)	17,817,797.00
15. Child Development (Fund 12, functions 1000-6999, 8100-8400, and 8700, objects 1000-5999 except 5100)	0.00
16. Cafeteria (Funds 13 and 61, functions 1000-6999, 8100-8400, and 8700, objects 1000-5999 except 5100)	14,957,427.97
17. Foundation (Funds 19 and 57, functions 1000-6999, 8100-8400, and 8700, objects 1000-5999 except 5100)	0.00
18. Total Base Costs (Lines B1 through B12 and Lines B13b through B17, minus Line B13a)	451,769,856.35

C. Straight Indirect Cost Percentage Before Carry-Forward Adjustment

(For information only - not for use when claiming/recovering indirect costs)

(Line A8 divided by Line B18) 6.12%

D. Preliminary Proposed Indirect Cost Rate

(For final approved fixed-with-carry-forward rate for use in 2018-19 see www.cde.ca.gov/fg/ac/ic)

(Line A10 divided by Line B18) 7.71%

Part IV - Carry-forward Adjustment

The carry-forward adjustment is an after-the-fact adjustment for the difference between indirect costs recoverable using the indirect cost rate approved for use in a given year, and the actual indirect costs incurred in that year. The carry-forward adjustment eliminates the need for LEAs to file amended federal reports when their actual indirect costs vary from the estimated indirect costs on which the approved rate was based.

Where the ratio of indirect costs incurred in the current year is less than the estimated ratio of indirect costs on which the approved rate for use in the current year was based, the carry-forward adjustment is limited by using either the approved rate times current year base costs, or the highest rate actually used to recover costs from any program times current year base costs, if the highest rate used was less than the approved rate. Rates used to recover costs from programs are displayed in Exhibit A.

A. Indirect costs incurred in the current year (Part III, Line A8)	<u>27,635,660.28</u>
B. Carry-forward adjustment from prior year(s)	
1. Carry-forward adjustment from the second prior year	<u>(2,766,198.08)</u>
2. Carry-forward adjustment amount deferred from prior year(s), if any	<u>0.00</u>
C. Carry-forward adjustment for under- or over-recovery in the current year	
1. Under-recovery: Part III, Line A8, plus carry-forward adjustment from prior years, minus (approved indirect cost rate (3.91%) times Part III, Line B18); zero if negative	<u>7,205,260.82</u>
2. Over-recovery: Part III, Line A8, plus carry-forward adjustment from prior years, minus the lesser of (approved indirect cost rate (3.91%) times Part III, Line B18) or (the highest rate used to recover costs from any program (5.43%) times Part III, Line B18); zero if positive	<u>0.00</u>
D. Preliminary carry-forward adjustment (Line C1 or C2)	<u>7,205,260.82</u>
E. Optional allocation of negative carry-forward adjustment over more than one year	
Where a negative carry-forward adjustment causes the proposed approved rate to fall below zero or would reduce the rate at which the LEA could recover indirect costs to such an extent that it would cause the LEA significant fiscal harm, the LEA may request that the carry-forward adjustment be allocated over more than one year. Where allocation of a negative carry-forward adjustment over more than one year does not resolve a negative rate, the CDE will work with the LEA on a case-by-case basis to establish an approved rate.	
Option 1. Preliminary proposed approved rate (Part III, Line D) if entire negative carry-forward adjustment is applied to the current year calculation:	<u>not applicable</u>
Option 2. Preliminary proposed approved rate (Part III, Line D) if one-half of negative carry-forward adjustment is applied to the current year calculation and the remainder is deferred to one or more future years:	<u>not applicable</u>
Option 3. Preliminary proposed approved rate (Part III, Line D) if one-third of negative carry-forward adjustment is applied to the current year calculation and the remainder is deferred to one or more future years:	<u>not applicable</u>
LEA request for Option 1, Option 2, or Option 3	<u>1</u>
F. Carry-forward adjustment used in Part III, Line A9 (Line D minus amount deferred if Option 2 or Option 3 is selected)	<u>7,205,260.82</u>

Approved indirect cost rate: 3.91%
Highest rate used in any program: 5.43%

Note: In one or more resources, the rate used is greater than the approved rate.

Fund	Resource	Eligible Expenditures (Objects 1000-5999 except Object 5100)	Indirect Costs Charged (Objects 7310 and 7350)	Rate Used
01	3010	9,912,212.28	405,088.00	4.09%
01	3410	201,036.00	10,916.00	5.43%
01	3550	626,589.00	25,513.00	4.07%
01	4035	1,521,259.00	59,480.00	3.91%
01	4050	630,682.00	24,660.00	3.91%
01	4124	1,671,833.00	75,775.00	4.53%
01	4201	83,707.00	3,273.00	3.91%
01	4203	816,657.00	16,333.00	2.00%
01	6264	1,144,499.00	44,749.00	3.91%
01	6385	791,059.00	27,596.00	3.49%
01	6386	249,610.00	9,620.00	3.85%
01	6387	3,125,825.00	124,175.00	3.97%
01	6520	113,149.00	4,424.00	3.91%
01	7220	679,673.00	25,916.00	3.81%
01	7338	711,502.00	27,233.00	3.83%
01	9010	4,419,583.00	87,188.00	1.97%
11	6391	15,364,550.00	554,868.00	3.61%

July 1 Budget
2016-17 Estimated Actuals
LOTTERY REPORT
Revenues, Expenditures and
Ending Balances - All Funds

Description	Object Codes	Lottery: Unrestricted (Resource 1100)	Transferred to Other Resources for Expenditure	Lottery: Instructional Materials (Resource 6300)*	Totals
A. AMOUNT AVAILABLE FOR THIS FISCAL YEAR					
1. Adjusted Beginning Fund Balance	9791-9795	83,087.57		89,521.20	172,608.77
2. State Lottery Revenue	8560	5,692,385.00		1,902,423.00	7,594,808.00
3. Other Local Revenue	8600-8799	0.00		0.00	0.00
4. Transfers from Funds of Lapsed/Reorganized Districts	8965	0.00		0.00	0.00
5. Contributions from Unrestricted Resources (Total must be zero)	8980	0.00			0.00
6. Total Available (Sum Lines A1 through A5)		5,775,472.57	0.00	1,991,944.20	7,767,416.77
B. EXPENDITURES AND OTHER FINANCING USES					
1. Certificated Salaries	1000-1999	4,419,898.00			4,419,898.00
2. Classified Salaries	2000-2999	0.00			0.00
3. Employee Benefits	3000-3999	1,272,487.00			1,272,487.00
4. Books and Supplies	4000-4999	0.00		1,989,283.00	1,989,283.00
5. a. Services and Other Operating Expenditures (Resource 1100)	5000-5999	0.00			0.00
b. Services and Other Operating Expenditures (Resource 6300)	5000-5999, except 5100, 5710, 5800				
c. Duplicating Costs for Instructional Materials (Resource 6300)	5100, 5710, 5800				
6. Capital Outlay	6000-6999	0.00			0.00
7. Tuition	7100-7199	0.00			0.00
8. Interagency Transfers Out					
a. To Other Districts, County Offices, and Charter Schools	7211,7212,7221, 7222,7281,7282	0.00			0.00
b. To JPAs and All Others	7213,7223, 7283,7299	0.00			0.00
9. Transfers of Indirect Costs	7300-7399				
10. Debt Service	7400-7499	0.00			0.00
11. All Other Financing Uses	7630-7699	0.00			0.00
12. Total Expenditures and Other Financing Uses (Sum Lines B1 through B11)		5,692,385.00	0.00	1,989,283.00	7,681,668.00
C. ENDING BALANCE					
(Must equal Line A6 minus Line B12)	979Z	83,087.57	0.00	2,661.20	85,748.77
D. COMMENTS:					

Data from this report will be used to prepare a report to the Legislature as required by Control Section 24.60 of the Budget /

*Pursuant to Government Code Section 8880.4(a)(2)(B) and the definition in Education Code Section 60010(h), Resource 6300 funds are to be used for purchase of instructional materials only. Any amounts in the shaded cells of this column should be reviewed for appropriateness

Description	Object Codes	2017-18 Budget (Form 01) (A)	% Change (Cols. C-A/A) (B)	2018-19 Projection (C)	% Change (Cols. E-C/C) (D)	2019-20 Projection (E)
(Enter projections for subsequent years 1 and 2 in Columns C and E; current year - Column A - is extracted)						
A. REVENUES AND OTHER FINANCING SOURCES						
1. LCFF/Revenue Limit Sources	8010-8099	367,101,265.00	3.83%	381,168,422.00	2.85%	392,021,346.00
2. Federal Revenues	8100-8299	384,628.00	0.00%	384,628.00	0.00%	384,628.00
3. Other State Revenues	8300-8599	13,521,845.00	-43.39%	7,655,149.00	0.07%	7,660,882.00
4. Other Local Revenues	8600-8799	7,220,811.00	-17.06%	5,988,811.00	0.00%	5,988,811.00
5. Other Financing Sources						
a. Transfers In	8900-8929	15,000.00	-36.62%	9,507.00	0.00%	9,507.00
b. Other Sources	8930-8979	4,143,232.00	-100.00%		0.00%	
c. Contributions	8980-8999	(60,624,976.00)	5.04%	(63,678,693.00)	2.29%	(65,139,584.00)
6. Total (Sum lines A1 thru A5c)		331,761,805.00	-0.07%	331,527,824.00	2.83%	340,925,590.00
B. EXPENDITURES AND OTHER FINANCING USES						
1. Certificated Salaries						
a. Base Salaries				170,013,074.38		170,914,125.38
b. Step & Column Adjustment				2,110,051.00		2,121,314.00
c. Cost-of-Living Adjustment						
d. Other Adjustments				(1,209,000.00)		(1,209,000.00)
e. Total Certificated Salaries (Sum lines B1a thru B1d)	1000-1999	170,013,074.38	0.53%	170,914,125.38	0.53%	171,826,439.38
2. Classified Salaries						
a. Base Salaries				49,932,301.00		50,338,001.00
b. Step & Column Adjustment				405,700.00		408,996.00
c. Cost-of-Living Adjustment						
d. Other Adjustments						
e. Total Classified Salaries (Sum lines B2a thru B2d)	2000-2999	49,932,301.00	0.81%	50,338,001.00	0.81%	50,746,997.00
3. Employee Benefits	3000-3999	71,439,199.00	7.95%	77,121,880.00	7.77%	83,117,550.00
4. Books and Supplies	4000-4999	5,220,865.50	-9.36%	4,732,372.00	2.35%	4,843,583.00
5. Services and Other Operating Expenditures	5000-5999	19,320,258.00	2.15%	19,735,644.00	2.35%	20,199,431.00
6. Capital Outlay	6000-6999	4,143,232.00	-100.00%		0.00%	
7. Other Outgo (excluding Transfers of Indirect Costs)	7100-7299, 7400-7499	7,452,199.00	-0.36%	7,425,666.00	-4.23%	7,111,356.00
8. Other Outgo - Transfers of Indirect Costs	7300-7399	(1,789,996.00)	3.15%	(1,846,450.00)	3.08%	(1,903,335.00)
9. Other Financing Uses						
a. Transfers Out	7600-7629	1,920,809.00	0.00%	1,920,809.00	0.00%	1,920,809.00
b. Other Uses	7630-7699	0.00	0.00%		0.00%	
10. Other Adjustments (Explain in Section F below)				0.00		
11. Total (Sum lines B1 thru B10)		327,651,941.88	0.82%	330,342,047.38	2.28%	337,862,830.38
C. NET INCREASE (DECREASE) IN FUND BALANCE (Line A6 minus line B11)						
		4,109,863.12		1,185,776.62		3,062,759.62
D. FUND BALANCE						
1. Net Beginning Fund Balance (Form 01, line F1e)		26,997,723.17		31,107,586.29		32,293,362.91
2. Ending Fund Balance (Sum lines C and D1)		31,107,586.29		32,293,362.91		35,356,122.53
3. Components of Ending Fund Balance						
a. Nonspendable	9710-9719	401,527.00				
b. Restricted	9740					
c. Committed						
1. Stabilization Arrangements	9750	0.00				
2. Other Commitments	9760	0.00				
d. Assigned	9780	21,642,728.29		23,191,374.91		26,063,804.53
e. Unassigned/Unappropriated						
1. Reserve for Economic Uncertainties	9789	9,063,331.00		9,101,988.00		9,292,318.00
2. Unassigned/Unappropriated	9790	0.00		0.00		0.00
f. Total Components of Ending Fund Balance (Line D3f must agree with line D2)		31,107,586.29		32,293,362.91		35,356,122.53

Description	Object Codes	2017-18 Budget (Form 01) (A)	% Change (Cols. C-A/A) (B)	2018-19 Projection (C)	% Change (Cols. E-C/C) (D)	2019-20 Projection (E)
E. AVAILABLE RESERVES						
1. General Fund						
a. Stabilization Arrangements	9750	0.00		0.00		0.00
b. Reserve for Economic Uncertainties	9789	9,063,331.00		9,101,988.00		9,292,318.00
c. Unassigned/Unappropriated	9790	0.00		0.00		0.00
(Enter reserve projections for subsequent years 1 and 2 in Columns C and E; current year - Column A - is extracted.)						
2. Special Reserve Fund - Noncapital Outlay (Fund 17)						
a. Stabilization Arrangements	9750					
b. Reserve for Economic Uncertainties	9789					
c. Unassigned/Unappropriated	9790	0.00				
3. Total Available Reserves (Sum lines E1a thru E2c)		9,063,331.00		9,101,988.00		9,292,318.00
F. ASSUMPTIONS						
Please provide below or on a separate attachment, the assumptions used to determine the projections for the first and second subsequent fiscal years. Further, please include an explanation for any significant expenditure adjustments projected in lines B1d, B2d, and B10. For additional information, please refer to the Budget Assumptions section of the SACS Financial Reporting Software User Guide.						
B1d: Adjustment due to impact of Teachers retiring and hire of new Teachers. B10: Anticipating to spend it by the end of FY 2017-18.						

Description	Object Codes	2017-18 Budget (Form 01) (A)	% Change (Cols. C-A/A) (B)	2018-19 Projection (C)	% Change (Cols. E-C/C) (D)	2019-20 Projection (E)
(Enter projections for subsequent years 1 and 2 in Columns C and E; current year - Column A - is extracted)						
A. REVENUES AND OTHER FINANCING SOURCES						
1. LCFF/Revenue Limit Sources	8010-8099	1,830,231.00	0.00%	1,830,231.00	0.00%	1,830,231.00
2. Federal Revenues	8100-8299	18,053,485.00	0.00%	18,053,485.00	0.00%	18,053,485.00
3. Other State Revenues	8300-8599	19,334,485.00	-4.52%	18,460,060.00	0.00%	18,460,633.00
4. Other Local Revenues	8600-8799	22,256,372.00	2.15%	22,734,884.00	2.35%	23,269,154.00
5. Other Financing Sources						
a. Transfers In	8900-8929	0.00	0.00%		0.00%	
b. Other Sources	8930-8979	0.00	0.00%		0.00%	
c. Contributions	8980-8999	60,624,976.00	5.04%	63,678,693.00	2.29%	65,139,584.00
6. Total (Sum lines A1 thru A5c)		122,099,549.00	2.18%	124,757,353.00	1.60%	126,753,087.00
B. EXPENDITURES AND OTHER FINANCING USES						
1. Certificated Salaries						
a. Base Salaries				41,534,789.00		42,053,974.00
b. Step & Column Adjustment				519,185.00		525,675.00
c. Cost-of-Living Adjustment						
d. Other Adjustments						
e. Total Certificated Salaries (Sum lines B1a thru B1d)	1000-1999	41,534,789.00	1.25%	42,053,974.00	1.25%	42,579,649.00
2. Classified Salaries						
a. Base Salaries				24,069,357.00		24,370,224.00
b. Step & Column Adjustment				300,867.00		304,628.00
c. Cost-of-Living Adjustment						
d. Other Adjustments						
e. Total Classified Salaries (Sum lines B2a thru B2d)	2000-2999	24,069,357.00	1.25%	24,370,224.00	1.25%	24,674,852.00
3. Employee Benefits	3000-3999	36,040,983.00	4.94%	37,821,993.00	5.79%	40,010,606.00
4. Books and Supplies	4000-4999	9,955,146.55	-9.82%	8,977,622.00	1.84%	9,142,879.00
5. Services and Other Operating Expenditures	5000-5999	11,967,557.80	-17.07%	9,925,018.00	-12.17%	8,717,292.00
6. Capital Outlay	6000-6999	205,736.65	2.40%	210,675.00	2.40%	215,731.00
7. Other Outgo (excluding Transfers of Indirect Costs)	7100-7299, 7400-7499	845,795.00	-39.94%	508,000.00	0.00%	508,000.00
8. Other Outgo - Transfers of Indirect Costs	7300-7399	895,245.00	-0.60%	889,844.00	1.60%	904,079.00
9. Other Financing Uses						
a. Transfers Out	7600-7629	0.00	0.00%		0.00%	
b. Other Uses	7630-7699	0.00	0.00%		0.00%	
10. Other Adjustments (Explain in Section F below)						
11. Total (Sum lines B1 thru B10)		125,514,610.00	-0.60%	124,757,350.00	1.60%	126,753,088.00
C. NET INCREASE (DECREASE) IN FUND BALANCE						
(Line A6 minus line B11)		(3,415,061.00)		3.00		(1.00)
D. FUND BALANCE						
1. Net Beginning Fund Balance (Form 01, line F1e)		3,415,065.07		4.07		7.07
2. Ending Fund Balance (Sum lines C and D1)		4.07		7.07		6.07
3. Components of Ending Fund Balance						
a. Nonspendable	9710-9719	(1.48)				
b. Restricted	9740	5.55		6.07		5.07
c. Committed						
1. Stabilization Arrangements	9750					
2. Other Commitments	9760					
d. Assigned	9780					
e. Unassigned/Unappropriated						
1. Reserve for Economic Uncertainties	9789					
2. Unassigned/Unappropriated	9790	0.00		1.00		1.00
f. Total Components of Ending Fund Balance (Line D3f must agree with line D2)		4.07		7.07		6.07

Description	Object Codes	2017-18 Budget (Form 01) (A)	% Change (Cols. C-A/A) (B)	2018-19 Projection (C)	% Change (Cols. E-C/C) (D)	2019-20 Projection (E)
E. AVAILABLE RESERVES						
1. General Fund						
a. Stabilization Arrangements	9750					
b. Reserve for Economic Uncertainties	9789					
c. Unassigned/Unappropriated	9790					
(Enter reserve projections for subsequent years 1 and 2 in Columns C and E; current year - Column A - is extracted.)						
2. Special Reserve Fund - Noncapital Outlay (Fund 17)						
a. Stabilization Arrangements	9750					
b. Reserve for Economic Uncertainties	9789					
c. Unassigned/Unappropriated	9790					
3. Total Available Reserves (Sum lines E1a thru E2c)						
F. ASSUMPTIONS						
Please provide below or on a separate attachment, the assumptions used to determine the projections for the first and second subsequent fiscal years. Further, please include an explanation for any significant expenditure adjustments projected in lines B1d, B2d, and B10. For additional information, please refer to the Budget Assumptions section of the SACS Financial Reporting Software User Guide.						

Description	Object Codes	2017-18 Budget (Form 01) (A)	% Change (Cols. C-A/A) (B)	2018-19 Projection (C)	% Change (Cols. E-C/C) (D)	2019-20 Projection (E)
(Enter projections for subsequent years 1 and 2 in Columns C and E; current year - Column A - is extracted)						
A. REVENUES AND OTHER FINANCING SOURCES						
1. LCFF/Revenue Limit Sources	8010-8099	368,931,496.00	3.81%	382,998,653.00	2.83%	393,851,577.00
2. Federal Revenues	8100-8299	18,438,113.00	0.00%	18,438,113.00	0.00%	18,438,113.00
3. Other State Revenues	8300-8599	32,856,330.00	-20.52%	26,115,209.00	0.02%	26,121,515.00
4. Other Local Revenues	8600-8799	29,477,183.00	-2.56%	28,723,695.00	1.86%	29,257,965.00
5. Other Financing Sources						
a. Transfers In	8900-8929	15,000.00	-36.62%	9,507.00	0.00%	9,507.00
b. Other Sources	8930-8979	4,143,232.00	-100.00%	0.00	0.00%	0.00
c. Contributions	8980-8999	0.00	0.00%	0.00	0.00%	0.00
6. Total (Sum lines A1 thru A5c)		453,861,354.00	0.53%	456,285,177.00	2.50%	467,678,677.00
B. EXPENDITURES AND OTHER FINANCING USES						
1. Certificated Salaries						
a. Base Salaries				211,547,863.38		212,968,099.38
b. Step & Column Adjustment				2,629,236.00		2,646,989.00
c. Cost-of-Living Adjustment				0.00		0.00
d. Other Adjustments				(1,209,000.00)		(1,209,000.00)
e. Total Certificated Salaries (Sum lines B1a thru B1d)	1000-1999	211,547,863.38	0.67%	212,968,099.38	0.68%	214,406,088.38
2. Classified Salaries						
a. Base Salaries				74,001,658.00		74,708,225.00
b. Step & Column Adjustment				706,567.00		713,624.00
c. Cost-of-Living Adjustment				0.00		0.00
d. Other Adjustments				0.00		0.00
e. Total Classified Salaries (Sum lines B2a thru B2d)	2000-2999	74,001,658.00	0.95%	74,708,225.00	0.96%	75,421,849.00
3. Employee Benefits	3000-3999	107,480,182.00	6.94%	114,943,873.00	7.12%	123,128,156.00
4. Books and Supplies	4000-4999	15,176,012.05	-9.66%	13,709,994.00	2.02%	13,986,462.00
5. Services and Other Operating Expenditures	5000-5999	31,287,815.80	-5.20%	29,660,662.00	-2.51%	28,916,723.00
6. Capital Outlay	6000-6999	4,348,968.65	-95.16%	210,675.00	2.40%	215,731.00
7. Other Outgo (excluding Transfers of Indirect Costs)	7100-7299, 7400-7499	8,297,994.00	-4.39%	7,933,666.00	-3.96%	7,619,356.00
8. Other Outgo - Transfers of Indirect Costs	7300-7399	(894,751.00)	6.91%	(956,606.00)	4.46%	(999,256.00)
9. Other Financing Uses						
a. Transfers Out	7600-7629	1,920,809.00	0.00%	1,920,809.00	0.00%	1,920,809.00
b. Other Uses	7630-7699	0.00	0.00%	0.00	0.00%	0.00
10. Other Adjustments				0.00		0.00
11. Total (Sum lines B1 thru B10)		453,166,551.88	0.43%	455,099,397.38	2.09%	464,615,918.38
C. NET INCREASE (DECREASE) IN FUND BALANCE						
(Line A6 minus line B11)		694,802.12		1,185,779.62		3,062,758.62
D. FUND BALANCE						
1. Net Beginning Fund Balance (Form 01, line F1e)		30,412,788.24		31,107,590.36		32,293,369.98
2. Ending Fund Balance (Sum lines C and D1)		31,107,590.36		32,293,369.98		35,356,128.60
3. Components of Ending Fund Balance						
a. Nonspendable	9710-9719	401,525.52		0.00		0.00
b. Restricted	9740	5.55		6.07		5.07
c. Committed						
1. Stabilization Arrangements	9750	0.00		0.00		0.00
2. Other Commitments	9760	0.00		0.00		0.00
d. Assigned	9780	21,642,728.29		23,191,374.91		26,063,804.53
e. Unassigned/Unappropriated						
1. Reserve for Economic Uncertainties	9789	9,063,331.00		9,101,988.00		9,292,318.00
2. Unassigned/Unappropriated	9790	0.00		1.00		1.00
f. Total Components of Ending Fund Balance						
(Line D3f must agree with line D2)		31,107,590.36		32,293,369.98		35,356,128.60

Description	Object Codes	2017-18 Budget (Form 01) (A)	% Change (Cols. C-A/A) (B)	2018-19 Projection (C)	% Change (Cols. E-C/C) (D)	2019-20 Projection (E)
E. AVAILABLE RESERVES						
1. General Fund						
a. Stabilization Arrangements	9750	0.00		0.00		0.00
b. Reserve for Economic Uncertainties	9789	9,063,331.00		9,101,988.00		9,292,318.00
c. Unassigned/Unappropriated	9790	0.00		0.00		0.00
d. Negative Restricted Ending Balances (Negative resources 2000-9999)	979Z	(1.48)		0.00		0.00
2. Special Reserve Fund - Noncapital Outlay (Fund 17)						
a. Stabilization Arrangements	9750	0.00		0.00		0.00
b. Reserve for Economic Uncertainties	9789	0.00		0.00		0.00
c. Unassigned/Unappropriated	9790	0.00		0.00		0.00
3. Total Available Reserves - by Amount (Sum lines E1a thru E2c)		9,063,329.52		9,101,988.00		9,292,318.00
4. Total Available Reserves - by Percent (Line E3 divided by Line F3c)		2.00%		2.00%		2.00%
F. RECOMMENDED RESERVES						
1. Special Education Pass-through Exclusions						
For districts that serve as the administrative unit (AU) of a special education local plan area (SELPA):						
a. Do you choose to exclude from the reserve calculation the pass-through funds distributed to SELPA members?	No					
b. If you are the SELPA AU and are excluding special education pass-through funds:						
1. Enter the name(s) of the SELPA(s):						
2. Special education pass-through funds (Column A: Fund 10, resources 3300-3499 and 6500-6540, objects 7211-7213 and 7221-7223; enter projections for subsequent years 1 and 2 in Columns C and E)		0.00		0.00		0.00
2. District ADA Used to determine the reserve standard percentage level on line F3d (Col. A: Form A, Estimated P-2 ADA column, Lines A4 and C4; enter projections)		38,259.65		38,270.82		38,273.43
3. Calculating the Reserves						
a. Expenditures and Other Financing Uses (Line B11)		453,166,551.88		455,099,397.38		464,615,918.38
b. Plus: Special Education Pass-through Funds (Line F1b2, if Line F1a is No)		0.00		0.00		0.00
c. Total Expenditures and Other Financing Uses (Line F3a plus line F3b)		453,166,551.88		455,099,397.38		464,615,918.38
d. Reserve Standard Percentage Level (Refer to Form 01CS, Criterion 10 for calculation details)		2%		2%		2%
e. Reserve Standard - By Percent (Line F3c times F3d)		9,063,331.04		9,101,987.95		9,292,318.37
f. Reserve Standard - By Amount (Refer to Form 01CS, Criterion 10 for calculation details)		0.00		0.00		0.00
g. Reserve Standard (Greater of Line F3e or F3f)		9,063,331.04		9,101,987.95		9,292,318.37
h. Available Reserves (Line E3) Meet Reserve Standard (Line F3g)		NO		YES		NO

Section I - Expenditures	Funds 01, 09, and 62			2016-17 Expenditures
	Goals	Functions	Objects	
A. Total state, federal, and local expenditures (all resources)	All	All	1000-7999	475,087,951.34
B. Less all federal expenditures not allowed for MOE (Resources 3000-5999, except 3385)	All	All	1000-7999	24,486,716.00
C. Less state and local expenditures not allowed for MOE: (All resources, except federal as identified in Line B)				
1. Community Services	All	5000-5999	1000-7999	340,119.00
2. Capital Outlay	All except 7100-7199	All except 5000-5999	6000-6999	16,541,280.84
3. Debt Service	All	9100	5400-5450, 5800, 7430- 7439	7,790,133.00
4. Other Transfers Out	All	9200	7200-7299	0.00
5. Interfund Transfers Out	All	9300	7600-7629	2,037,542.12
6. All Other Financing Uses	All	9100 9200	7699 7651	1,125.00
7. Nonagency	7100-7199	All except 5000-5999, 9000-9999	1000-7999	165,345.00
8. Tuition (Revenue, in lieu of expenditures, to approximate costs of services for which tuition is received)	All	All	8710	0.00
9. Supplemental expenditures made as a result of a Presidentially declared disaster	Manually entered. Must not include expenditures in lines B, C1-C8, D1, or D2.			
10. Total state and local expenditures not allowed for MOE calculation (Sum lines C1 through C9)				26,875,544.96
D. Plus additional MOE expenditures:				
1. Expenditures to cover deficits for food services (Funds 13 and 61) (If negative, then zero)	All	All	1000-7143, 7300-7439 minus 8000-8699	528,414.11
2. Expenditures to cover deficits for student body activities	Manually entered. Must not include expenditures in lines A or D1.			
E. Total expenditures subject to MOE (Line A minus lines B and C10, plus lines D1 and D2)				424,254,104.49

Section II - Expenditures Per ADA		2016-17 Annual ADA/ Exps. Per ADA
A. Average Daily Attendance (Form A, Annual ADA column, sum of lines A6 and C9)		37,757.91
B. Expenditures per ADA (Line I.E divided by Line II.A)		11,236.16
Section III - MOE Calculation (For data collection only. Final determination will be done by CDE)		
	Total	Per ADA
A. Base expenditures (Preloaded expenditures from prior year official CDE MOE calculation). (Note: If the prior year MOE was not met, CDE has adjusted the prior year base to 90 percent of the preceding prior year amount rather than the actual prior year expenditure amount.)	401,161,129.49	10,675.90
1. Adjustment to base expenditure and expenditure per ADA amounts for LEAs failing prior year MOE calculation (From Section IV)	0.00	0.00
2. Total adjusted base expenditure amounts (Line A plus Line A.1)	401,161,129.49	10,675.90
B. Required effort (Line A.2 times 90%)	361,045,016.54	9,608.31
C. Current year expenditures (Line I.E and Line II.B)	424,254,104.49	11,236.16
D. MOE deficiency amount, if any (Line B minus Line C) (If negative, then zero)	0.00	0.00
E. MOE determination (If one or both of the amounts in line D are zero, the MOE requirement is met; if both amounts are positive, the MOE requirement is not met. If either column in Line A.2 or Line C equals zero, the MOE calculation is incomplete.)	MOE Met	
F. MOE deficiency percentage, if MOE not met; otherwise, zero (Line D divided by Line B) (Funding under NCLB covered programs in FY 2018-19 may be reduced by the lower of the two percentages)	0.00%	0.00%

SECTION IV - Detail of Adjustments to Base Expenditures (used in Section III, Line A.1)		
Description of Adjustments	Total Expenditures	Expenditures Per ADA
Total adjustments to base expenditures	0.00	0.00

Description	Direct Costs - Interfund		Indirect Costs - Interfund		Interfund Transfers In 8900-8929	Interfund Transfers Out 7600-7629	Due From Other Funds 9310	Due To Other Funds 9610
	Transfers In 5750	Transfers Out 5750	Transfers In 7350	Transfers Out 7350				
01 GENERAL FUND								
Expenditure Detail	0.00	(135,002.05)	0.00	(554,868.00)				
Other Sources/Uses Detail					9,507.00	2,037,542.12		
Fund Reconciliation							3,549,144.06	3,570,565.74
09 CHARTER SCHOOLS SPECIAL REVENUE FUND								
Expenditure Detail	0.00	0.00	0.00	0.00				
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							34,380.73	1,791.47
10 SPECIAL EDUCATION PASS-THROUGH FUND								
Expenditure Detail								
Other Sources/Uses Detail								
Fund Reconciliation							0.00	0.00
11 ADULT EDUCATION FUND								
Expenditure Detail	42,864.00	0.00	554,868.00	0.00				
Other Sources/Uses Detail					1,455,183.00	0.00		
Fund Reconciliation							610,240.84	2,034,932.77
12 CHILD DEVELOPMENT FUND								
Expenditure Detail	0.00	0.00	0.00	0.00				
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
13 CAFETERIA SPECIAL REVENUE FUND								
Expenditure Detail	74,875.00	0.00	0.00	0.00				
Other Sources/Uses Detail					582,359.12	0.00		
Fund Reconciliation							160,246.91	4,261,281.93
14 DEFERRED MAINTENANCE FUND								
Expenditure Detail	0.00	(1,000.00)						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							1,616,911.25	3.50
15 PUPIL TRANSPORTATION EQUIPMENT FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
17 SPECIAL RESERVE FUND FOR OTHER THAN CAPITAL OUTLAY								
Expenditure Detail								
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
18 SCHOOL BUS EMISSIONS REDUCTION FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
19 FOUNDATION SPECIAL REVENUE FUND								
Expenditure Detail	0.00	0.00	0.00	0.00				
Other Sources/Uses Detail						0.00		
Fund Reconciliation							0.00	0.00
20 SPECIAL RESERVE FUND FOR POSTEMPLOYMENT BENEFITS								
Expenditure Detail								
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
21 BUILDING FUND								
Expenditure Detail	10,311.07	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							1,018,151.80	224,526.02
25 CAPITAL FACILITIES FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					1,107,970.00	9,507.00		
Fund Reconciliation							0.00	24,031.12
30 STATE SCHOOL BUILDING LEASE/PURCHASE FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
35 COUNTY SCHOOL FACILITIES FUND								
Expenditure Detail	690.44	0.00						
Other Sources/Uses Detail					0.00	1,107,970.00		
Fund Reconciliation							0.00	863,335.00
40 SPECIAL RESERVE FUND FOR CAPITAL OUTLAY PROJECTS								
Expenditure Detail	18.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							978,607.44	2,252.00
49 CAP PROJ FUND FOR BLENDED COMPONENT UNITS								
Expenditure Detail	7,243.50	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							3,361,372.10	346,335.58
51 BOND INTEREST AND REDEMPTION FUND								
Expenditure Detail								
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
52 DEBT SVC FUND FOR BLENDED COMPONENT UNITS								
Expenditure Detail								
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
53 TAX OVERRIDE FUND								
Expenditure Detail								
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
56 DEBT SERVICE FUND								
Expenditure Detail								
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
57 FOUNDATION PERMANENT FUND								
Expenditure Detail	0.00	0.00	0.00	0.00				
Other Sources/Uses Detail						0.00		
Fund Reconciliation							0.00	0.00
61 CAFETERIA ENTERPRISE FUND								
Expenditure Detail	0.00	0.00	0.00	0.00				
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00

July 1 Budget
2016-17 Estimated Actuals
SUMMARY OF INTERFUND ACTIVITIES
FOR ALL FUNDS

Description	Direct Costs - Interfund		Indirect Costs - Interfund		Interfund Transfers In 8900-8929	Interfund Transfers Out 7600-7629	Due From Other Funds 9310	Due To Other Funds 9610
	Transfers In 5750	Transfers Out 5750	Transfers In 7350	Transfers Out 7350				
62 CHARTER SCHOOLS ENTERPRISE FUND								
Expenditure Detail	0.00	0.00	0.00	0.00				
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
63 OTHER ENTERPRISE FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
66 WAREHOUSE REVOLVING FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
67 SELF-INSURANCE FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation							0.00	0.00
71 RETIREE BENEFIT FUND								
Expenditure Detail								
Other Sources/Uses Detail					0.00			
Fund Reconciliation							0.00	0.00
73 FOUNDATION PRIVATE-PURPOSE TRUST FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00			
Fund Reconciliation							0.00	0.00
76 WARRANT/PASS-THROUGH FUND								
Expenditure Detail								
Other Sources/Uses Detail								
Fund Reconciliation							0.00	0.00
95 STUDENT BODY FUND								
Expenditure Detail								
Other Sources/Uses Detail								
Fund Reconciliation							0.00	0.00
TOTALS	136,002.01	(136,002.05)	554,868.00	(554,868.00)	3,155,019.12	3,155,019.12	11,329,055.13	11,329,055.13

July 1 Budget
2017-18 Budget
SUMMARY OF INTERFUND ACTIVITIES
FOR ALL FUNDS

Description	Direct Costs - Interfund		Indirect Costs - Interfund		Interfund Transfers In 8900-8929	Interfund Transfers Out 7600-7629	Due From Other Funds 9310	Due To Other Funds 9610
	Transfers In 5750	Transfers Out 5750	Transfers In 7350	Transfers Out 7350				
01 GENERAL FUND								
Expenditure Detail	0.00	(138,746.50)	0.00	(894,751.00)				
Other Sources/Uses Detail					15,000.00	1,920,809.00		
Fund Reconciliation								
09 CHARTER SCHOOLS SPECIAL REVENUE FUND								
Expenditure Detail	0.00	0.00	0.00	0.00				
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
10 SPECIAL EDUCATION PASS-THROUGH FUND								
Expenditure Detail								
Other Sources/Uses Detail								
Fund Reconciliation								
11 ADULT EDUCATION FUND								
Expenditure Detail	27,770.00	0.00	894,751.00	0.00				
Other Sources/Uses Detail					1,920,809.00	0.00		
Fund Reconciliation								
12 CHILD DEVELOPMENT FUND								
Expenditure Detail	0.00	0.00	0.00	0.00				
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
13 CAFETERIA SPECIAL REVENUE FUND								
Expenditure Detail	35,823.00	0.00	0.00	0.00				
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
14 DEFERRED MAINTENANCE FUND								
Expenditure Detail	1,500.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
15 PUPIL TRANSPORTATION EQUIPMENT FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
17 SPECIAL RESERVE FUND FOR OTHER THAN CAPITAL OUTLAY								
Expenditure Detail								
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
18 SCHOOL BUS EMISSIONS REDUCTION FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
19 FOUNDATION SPECIAL REVENUE FUND								
Expenditure Detail	0.00	0.00	0.00	0.00				
Other Sources/Uses Detail						0.00		
Fund Reconciliation								
20 SPECIAL RESERVE FUND FOR POSTEMPLOYMENT BENEFITS								
Expenditure Detail								
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
21 BUILDING FUND								
Expenditure Detail	9,023.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
25 CAPITAL FACILITIES FUND								
Expenditure Detail	5,500.00	0.00				15,000.00		
Other Sources/Uses Detail					0.00			
Fund Reconciliation								
30 STATE SCHOOL BUILDING LEASE/PURCHASE FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
35 COUNTY SCHOOL FACILITIES FUND								
Expenditure Detail	13,886.50	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
40 SPECIAL RESERVE FUND FOR CAPITAL OUTLAY PROJECTS								
Expenditure Detail	39,994.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
49 CAP PROJ FUND FOR BLENDED COMPONENT UNITS								
Expenditure Detail	5,250.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
51 BOND INTEREST AND REDEMPTION FUND								
Expenditure Detail								
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
52 DEBT SVC FUND FOR BLENDED COMPONENT UNITS								
Expenditure Detail								
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
53 TAX OVERRIDE FUND								
Expenditure Detail								
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
56 DEBT SERVICE FUND								
Expenditure Detail								
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
57 FOUNDATION PERMANENT FUND								
Expenditure Detail	0.00	0.00	0.00	0.00				
Other Sources/Uses Detail						0.00		
Fund Reconciliation								
61 CAFETERIA ENTERPRISE FUND								
Expenditure Detail	0.00	0.00	0.00	0.00				
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								

Description	Direct Costs - Interfund		Indirect Costs - Interfund		Interfund	Interfund	Due From	Due To
	Transfers In 5750	Transfers Out 5750	Transfers In 7350	Transfers Out 7350	Transfers In 8900-8929	Transfers Out 7600-7629	Other Funds 9310	Other Funds 9610
62 CHARTER SCHOOLS ENTERPRISE FUND								
Expenditure Detail	0.00	0.00	0.00	0.00				
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
63 OTHER ENTERPRISE FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
66 WAREHOUSE REVOLVING FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
67 SELF-INSURANCE FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00	0.00		
Fund Reconciliation								
71 RETIREE BENEFIT FUND								
Expenditure Detail								
Other Sources/Uses Detail					0.00			
Fund Reconciliation								
73 FOUNDATION PRIVATE-PURPOSE TRUST FUND								
Expenditure Detail	0.00	0.00						
Other Sources/Uses Detail					0.00			
Fund Reconciliation								
76 WARRANT/PASS-THROUGH FUND								
Expenditure Detail								
Other Sources/Uses Detail								
Fund Reconciliation								
95 STUDENT BODY FUND								
Expenditure Detail								
Other Sources/Uses Detail								
Fund Reconciliation								
TOTALS	138,746.50	(138,746.50)	894,751.00	(894,751.00)	1,935,809.00	1,935,809.00		

Provide methodology and assumptions used to estimate ADA, enrollment, revenues, expenditures, reserves and fund balance, and multiyear commitments (including cost-of-living adjustments).

Deviations from the standards must be explained and may affect the approval of the budget.

CRITERIA AND STANDARDS

1. CRITERION: Average Daily Attendance

STANDARD: Funded average daily attendance (ADA) has not been overestimated in 1) the first prior fiscal year OR in 2) two or more of the previous three fiscal years by more than the following percentage levels:

Percentage Level	District ADA
3.0%	0 to 300
2.0%	301 to 1,000
1.0%	1,001 and over

District ADA (Form A, Estimated P-2 ADA column, lines A4 and C4):

District's ADA Standard Percentage Level:

1A. Calculating the District's ADA Variances

DATA ENTRY: For the Third, Second, and First Prior Years, enter Estimated Funded ADA in the Original Budget Funded ADA column; enter district regular ADA and charter school ADA corresponding to financial data reported in the General Fund, only, for the Third, Second, and First Prior Years. All other data are extracted.

*Please note for FY 2014-15 original budget: Line C4 in Form A reflects total charter school ADA corresponding to financial data reported in funds 01, 09, and 62. Please adjust charter school ADA or explain accordingly.

Fiscal Year	Original Budget Funded ADA (Form A, Lines A4 and C4)*	Estimated/Unaudited Actuals Funded ADA (Form A, Lines A4 and C4)	ADA Variance Level (If Budget is greater than Actuals, else N/A)	Status
Third Prior Year (2014-15)				
District Regular	37,955			
Charter School				
Total ADA	37,955	0	100.0%	Not Met
Second Prior Year (2015-16)				
District Regular	38,139	38,005		
Charter School				
Total ADA	38,139	38,005	0.4%	Met
First Prior Year (2016-17)				
District Regular	37,733	37,733		
Charter School		0		
Total ADA	37,733	37,733	0.0%	Met
Budget Year (2017-18)				
District Regular	38,260			
Charter School	0			
Total ADA	38,260			

1B. Comparison of District ADA to the Standard

DATA ENTRY: Enter an explanation if the standard is not met.

1a. STANDARD MET - Funded ADA has not been overestimated by more than the standard percentage level for the first prior year.

Explanation:
(required if NOT met)

FY 2014-15 Unaudited actuals funded ADA should be populated by CDE total ADA 38,015.31

1b. STANDARD MET - Funded ADA has not been overestimated by more than the standard percentage level for two or more of the previous three years.

Explanation:
(required if NOT met)

2. CRITERION: Enrollment

STANDARD: Projected enrollment has not been overestimated in 1) the first prior fiscal year OR in 2) two or more of the previous three fiscal years by more than the following percentage levels:

Percentage Level	District ADA		
3.0%	0	to	300
2.0%	301	to	1,000
1.0%	1,001	and	over

District ADA (Form A, Estimated P-2 ADA column, lines A4 and C4): District's Enrollment Standard Percentage Level: **2A. Calculating the District's Enrollment Variances**

DATA ENTRY: Enter data in the Enrollment, Budget, column for all fiscal years and in the Enrollment, CBEDS Actual column for the First Prior Year; all other data are extracted or calculated. CBEDS Actual enrollment data preloaded in the District Regular lines will include both District Regular and Charter School enrollment. Districts will need to adjust the District Regular enrollment lines and the Charter School enrollment lines accordingly. Enter district regular enrollment and charter school enrollment corresponding to financial data reported in the General Fund, only, for all fiscal years.

Fiscal Year	Budget	Enrollment CBEDS Actual	Enrollment Variance Level (If Budget is greater than Actual, else N/A)	Status
Third Prior Year (2014-15)				
District Regular	40,147	41,018		
Charter School				
Total Enrollment	40,147	41,018	N/A	Met
Second Prior Year (2015-16)				
District Regular	40,052	41,050		
Charter School				
Total Enrollment	40,052	41,050	N/A	Met
First Prior Year (2016-17)				
District Regular	40,198	40,198		
Charter School				
Total Enrollment	40,198	40,198	0.0%	Met
Budget Year (2017-18)				
District Regular	40,238			
Charter School				
Total Enrollment	40,238			

2B. Comparison of District Enrollment to the Standard

DATA ENTRY: Enter an explanation if the standard is not met.

1a. STANDARD MET - Enrollment has not been overestimated by more than the standard percentage level for the first prior year.

Explanation:
(required if NOT met)

1b. STANDARD MET - Enrollment has not been overestimated by more than the standard percentage level for two or more of the previous three years.

Explanation:
(required if NOT met)

3. CRITERION: ADA to Enrollment

STANDARD: Projected second period (P-2) average daily attendance (ADA) to enrollment ratio for any of the budget year or two subsequent fiscal years has not increased from the historical average ratio from the three prior fiscal years by more than one half of one percent (0.5%).

3A. Calculating the District's ADA to Enrollment Standard

DATA ENTRY: All data are extracted or calculated. Data should reflect district regular and charter school ADA/enrollment corresponding to financial data reported in the General Fund, only, for all fiscal years.

Fiscal Year	P-2 ADA Estimated/Unaudited Actuals (Form A, Lines A4 and C4)	Enrollment CBEDS Actual (Criterion 2, Item 2A)	Historical Ratio of ADA to Enrollment
Third Prior Year (2014-15)			
District Regular	38,015	41,018	
Charter School		0	
Total ADA/Enrollment	38,015	41,018	92.7%
Second Prior Year (2015-16)			
District Regular	38,005	41,050	
Charter School			
Total ADA/Enrollment	38,005	41,050	92.6%
First Prior Year (2016-17)			
District Regular	37,733	40,198	
Charter School	0		
Total ADA/Enrollment	37,733	40,198	93.9%
Historical Average Ratio:			93.1%
District's ADA to Enrollment Standard (historical average ratio plus 0.5%):			93.6%

3B. Calculating the District's Projected Ratio of ADA to Enrollment

DATA ENTRY: Enter data in the Estimated P-2 ADA column for the two subsequent years. Enter data in the Enrollment column for the two subsequent years. Data should reflect district regular and charter school ADA/enrollment corresponding to financial data reported in the General Fund only, for all fiscal years. All other data are extracted or calculated.

Fiscal Year	Estimated P-2 ADA Budget (Form A, Lines A4 and C4)	Enrollment Budget/Projected (Criterion 2, Item 2A)	Ratio of ADA to Enrollment	Status
Budget Year (2017-18)				
District Regular	38,260	40,238		
Charter School	0			
Total ADA/Enrollment	38,260	40,238	95.1%	Not Met
1st Subsequent Year (2018-19)				
District Regular	38,271	40,249		
Charter School				
Total ADA/Enrollment	38,271	40,249	95.1%	Not Met
2nd Subsequent Year (2019-20)				
District Regular	38,273	40,252		
Charter School				
Total ADA/Enrollment	38,273	40,252	95.1%	Not Met

3C. Comparison of District ADA to Enrollment Ratio to the Standard

DATA ENTRY: Enter an explanation if the standard is not met.

- 1a. **STANDARD NOT MET** - Projected P-2 ADA to enrollment ratio is above the standard for one or more of the budget or two subsequent fiscal years. Provide reasons why the projected ratio exceeds the district's historical average ratio by more than 0.5%.

Explanation:
(required if NOT met)

Anticipating to increase student attendance.

4. CRITERION: LCFF Revenue

STANDARD: Projected local control funding formula (LCFF) revenue for any of the budget year or two subsequent fiscal years has not changed from the prior fiscal year by more than the change in population, plus the district's gap funding or cost-of-living adjustment (COLA)¹ and its economic recovery target payment, plus or minus one percent.

For basic aid districts, projected LCFF revenue has not changed from the prior fiscal year by more than the percent change in property tax revenues plus or minus one percent.

For districts funded by necessary small school formulas, projected LCFF revenue has not changed from the prior fiscal year amount by more than the district's gap funding or COLA¹ and its economic recovery target payment, plus or minus one percent.

¹Districts that are already at or above their LCFF target funding as described in Education Code Section 42238.03(d) receive no gap funding. These districts have a COLA applied to their LCFF target, but their year-over-year revenue increase might be less than the statutory COLA due to certain local factors and components of the funding formula.

4A. District's LCFF Revenue Standard

Indicate which standard applies:

LCFF Revenue

Basic Aid

Necessary Small School

The District must select which LCFF revenue standard applies.

LCFF Revenue Standard selected: LCFF Revenue

4A1. Calculating the District's LCFF Revenue Standard

DATA ENTRY: Enter LCFF Target amounts for the budget and two subsequent fiscal years.
Enter data in Step 1a for the two subsequent fiscal years. All other data is extracted or calculated.
Enter data for Steps 2a through 2d. All other data is calculated.

Projected LCFF Revenue

Has the District reached its LCFF target funding level?

No

If Yes, then COLA amount in Line 2b2 is used in Line 2e Total calculation.
If No, then Gap Funding in Line 2c is used in Line 2e Total calculation.

		Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
LCFF Target (Reference Only)		380,044,949.00	388,333,284.00	397,527,806.00
	Prior Year (2016-17)	Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
Step 1 - Change in Population				
a.	ADA (Funded) (Form A, lines A6 and C4)	37,757.91	38,285.76	38,296.93
b.	Prior Year ADA (Funded)		38,285.76	38,296.93
c.	Difference (Step 1a minus Step 1b)		11.17	2.61
d.	Percent Change Due to Population (Step 1c divided by Step 1b)	1.40%	0.03%	0.01%
Step 2 - Change in Funding Level				
a.	Prior Year LCFF Funding	368,705,065.00	382,772,222.00	393,625,146.00
b1.	COLA percentage (if district is at target)	Not Applicable		
b2.	COLA amount (proxy for purposes of this criterion)			
c.	Gap Funding (if district is not at target)	0.00	0.00	0.00
d.	Economic Recovery Target Funding (current year increment)	0.44	0.72	0.74
e.	Total (Lines 2b2 or 2c, as applicable, plus Line 2d)			
f.	Percent Change Due to Funding Level (Step 2e divided by Step 2a)	0.44	0.72	0.74
		0.00%	0.00%	0.00%
Step 3 - Total Change in Population and Funding Level (Step 1d plus Step 2f)		1.40%	0.03%	0.01%
LCFF Revenue Standard (Step 3, plus/minus 1%):		.40% to 2.40%	-.97% to 1.03%	-.99% to 1.01%

4A2. Alternate LCFF Revenue Standard - Basic Aid

DATA ENTRY: If applicable to your district, input data in the 1st and 2nd Subsequent Year columns for projected local property taxes; all other data are extracted or calculated.

Basic Aid District Projected LCFF Revenue

	Prior Year (2016-17)	Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
Projected Local Property Taxes (Form 01, Objects 8021 - 8089)	81,099,663.00	81,099,663.00		
Percent Change from Previous Year		N/A	N/A	N/A
Basic Aid Standard (percent change from previous year, plus/minus 1%):		N/A	N/A	N/A

4A3. Alternate LCFF Revenue Standard - Necessary Small School

DATA ENTRY: All data are extracted or calculated.

Necessary Small School District Projected LCFF Revenue

	Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
Necessary Small School Standard (Gap Funding or COLA, plus Economic Recovery Target Payment, Step 2f, plus/minus 1%):	N/A	N/A	N/A

4B. Calculating the District's Projected Change in LCFF Revenue

DATA ENTRY: Enter data in the 1st and 2nd Subsequent Year columns for LCFF Revenue; all other data are extracted or calculated.

	Prior Year (2016-17)	Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
LCFF Revenue (Fund 01, Objects 8011, 8012, 8020-8089)	361,430,265.00	370,635,155.00	384,701,760.00	395,554,560.00
District's Projected Change in LCFF Revenue:		2.55%	3.80%	2.82%
LCFF Revenue Standard:		.40% to 2.40%	-.97% to 1.03%	-.99% to 1.01%
Status:		Not Met	Not Met	Not Met

4C. Comparison of District LCFF Revenue to the Standard

DATA ENTRY: Enter an explanation if the standard is not met.

- 1a. STANDARD NOT MET - Projected change in LCFF revenue is outside the standard in one or more of the budget or two subsequent fiscal years. Provide reasons why the projection(s) exceed the standard(s) and a description of the methods and assumptions used in projecting LCFF revenue.

Explanation:
(required if NOT met)

District used Department of Finance gap rate, also property taxes increased.

5. CRITERION: Salaries and Benefits

STANDARD: Projected ratio of total unrestricted salaries and benefits to total unrestricted general fund expenditures for any of the budget year or two subsequent fiscal years has not changed from the historical average ratio from the three prior fiscal years by more than the greater of three percent or the district's required reserves percentage.

5A. Calculating the District's Historical Average Ratio of Unrestricted Salaries and Benefits to Total Unrestricted General Fund Expenditures

DATA ENTRY: All data are extracted or calculated.

Fiscal Year	Estimated/Unaudited Actuals - Unrestricted (Resources 0000-1999)		Ratio of Unrestricted Salaries and Benefits to Total Unrestricted Expenditures
	Salaries and Benefits (Form 01, Objects 1000-3999)	Total Expenditures (Form 01, Objects 1000-7499)	
Third Prior Year (2014-15)	240,450,294.72	266,280,606.59	90.3%
Second Prior Year (2015-16)	269,281,686.53	317,359,812.05	84.9%
First Prior Year (2016-17)	279,651,501.16	342,572,688.02	81.6%
	Historical Average Ratio:		85.6%

District's Reserve Standard Percentage (Criterion 10B, Line 4): District's Salaries and Benefits Standard (historical average ratio, plus/minus the greater of 3% or the district's reserve standard percentage):	Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
	2.0%	2.0%	2.0%
	82.6% to 88.6%	82.6% to 88.6%	82.6% to 88.6%

5B. Calculating the District's Projected Ratio of Unrestricted Salaries and Benefits to Total Unrestricted General Fund Expenditures

DATA ENTRY: If Form MYP exists, Unrestricted Salaries and Benefits, and Total Unrestricted Expenditures data for the 1st and 2nd Subsequent Years will be extracted; if not, enter data for the two subsequent years. All other data are extracted or calculated.

Fiscal Year	Budget - Unrestricted (Resources 0000-1999)		Ratio of Unrestricted Salaries and Benefits to Total Unrestricted Expenditures	Status
	Salaries and Benefits (Form 01, Objects 1000-3999) (Form MYP, Lines B1-B3)	Total Expenditures (Form 01, Objects 1000-7499) (Form MYP, Lines B1-B8, B10)		
Budget Year (2017-18)	291,384,574.38	325,731,132.88	89.5%	Not Met
1st Subsequent Year (2018-19)	298,374,006.38	328,421,238.38	90.9%	Not Met
2nd Subsequent Year (2019-20)	305,690,986.38	335,942,021.38	91.0%	Not Met

5C. Comparison of District Salaries and Benefits Ratio to the Standard

DATA ENTRY: Enter an explanation if the standard is not met.

- 1a. **STANDARD NOT MET** - Projected ratio(s) of unrestricted salary and benefit costs to total unrestricted expenditures are outside the standard in one or more of the budget or two subsequent fiscal years. Provide reasons why the projection(s) exceed the standard, a description of the methods and assumptions used in projecting salaries and benefits, and what changes, if any, will be made to bring the projected salary and benefit costs within the standard.

Explanation:
(required if NOT met)

Salaries and Benefits are increasing (STRS-PERS)

6. CRITERION: Other Revenues and Expenditures

STANDARD: Projected operating revenues (including federal, other state, and other local) or expenditures (including books and supplies, and services and other operating), for any of the budget year or two subsequent fiscal years, have not changed from the prior fiscal year amount by more than the percentage change in population and the funded cost-of-living adjustment (COLA) plus or minus ten percent.

For each major object category, changes that exceed the percentage change in population and the funded COLA plus or minus five percent must be explained.

6A. Calculating the District's Other Revenues and Expenditures Standard Percentage Ranges

DATA ENTRY: All data are extracted or calculated.

	Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
1. District's Change in Population and Funding Level (Criterion 4A1, Step 3):	1.40%	0.03%	0.01%
2. District's Other Revenues and Expenditures Standard Percentage Range (Line 1, plus/minus 10%):	-8.60% to 11.40%	-9.97% to 10.03%	-9.99% to 10.01%
3. District's Other Revenues and Expenditures Explanation Percentage Range (Line 1, plus/minus 5%):	-3.60% to 6.40%	-4.97% to 5.03%	-4.99% to 5.01%

6B. Calculating the District's Change by Major Object Category and Comparison to the Explanation Percentage Range (Section 6A, Line 3)

DATA ENTRY: If Form MYP exists, the 1st and 2nd Subsequent Year data for each revenue and expenditure section will be extracted; if not, enter data for the two subsequent years. All other data are extracted or calculated.

Explanations must be entered for each category if the percent change for any year exceeds the district's explanation percentage range.

Object Range / Fiscal Year	Amount	Percent Change Over Previous Year	Change Is Outside Explanation Range
Federal Revenue (Fund 01, Objects 8100-8299) (Form MYP, Line A2)			
First Prior Year (2016-17)	25,235,687.00		
Budget Year (2017-18)	18,438,113.00	-26.94%	Yes
1st Subsequent Year (2018-19)	18,438,113.00	0.00%	No
2nd Subsequent Year (2019-20)	18,438,113.00	0.00%	No

Explanation:
(required if Yes)

The District is conservative in its assumptions for Federal Revenue by budgeting at 83% of current year entitlement. Also, 16/17 budget reflects prior year carry over.

Other State Revenue (Fund 01, Objects 8300-8599) (Form MYP, Line A3)			
First Prior Year (2016-17)	39,458,450.00		
Budget Year (2017-18)	32,856,330.00	-16.73%	Yes
1st Subsequent Year (2018-19)	26,115,209.00	-20.52%	Yes
2nd Subsequent Year (2019-20)	26,121,515.00	0.02%	No

Explanation:
(required if Yes)

16/17 budget reflects prior year carry over. Also, in 16/17 the district received one time money and College Readiness Block Grant

Other Local Revenue (Fund 01, Objects 8600-8799) (Form MYP, Line A4)			
First Prior Year (2016-17)	30,302,538.00		
Budget Year (2017-18)	29,477,183.00	-2.72%	No
1st Subsequent Year (2018-19)	28,723,695.00	-2.56%	No
2nd Subsequent Year (2019-20)	29,257,965.00	1.86%	No

Explanation:
(required if Yes)

Books and Supplies (Fund 01, Objects 4000-4999) (Form MYP, Line B4)			
First Prior Year (2016-17)	26,240,051.16		
Budget Year (2017-18)	15,176,012.05	-42.16%	Yes
1st Subsequent Year (2018-19)	13,709,994.00	-9.66%	Yes
2nd Subsequent Year (2019-20)	13,986,462.00	2.02%	No

Explanation:
(required if Yes)

In 16/17 the district used carryover and one time money for books and supplies

Services and Other Operating Expenditures (Fund 01, Objects 5000-5999) (Form MYP, Line B5)

First Prior Year (2016-17)	40,266,331.49		
Budget Year (2017-18)	31,287,815.80	-22.30%	Yes
1st Subsequent Year (2018-19)	29,660,662.00	-5.20%	Yes
2nd Subsequent Year (2019-20)	28,916,723.00	-2.51%	No

Explanation:
(required if Yes)

In 16/17 the district used carryover and one time money for services and other operating expenditures

6C. Calculating the District's Change in Total Operating Revenues and Expenditures (Section 6A, Line 2)

DATA ENTRY: All data are extracted or calculated.

Object Range / Fiscal Year	Amount	Percent Change Over Previous Year	Status
----------------------------	--------	--------------------------------------	--------

Total Federal, Other State, and Other Local Revenue (Criterion 6B)

First Prior Year (2016-17)	94,996,675.00		
Budget Year (2017-18)	80,771,626.00	-14.97%	Not Met
1st Subsequent Year (2018-19)	73,277,017.00	-9.28%	Met
2nd Subsequent Year (2019-20)	73,817,593.00	0.74%	Met

Total Books and Supplies, and Services and Other Operating Expenditures (Criterion 6B)

First Prior Year (2016-17)	66,506,382.65		
Budget Year (2017-18)	46,463,827.85	-30.14%	Not Met
1st Subsequent Year (2018-19)	43,370,656.00	-6.66%	Met
2nd Subsequent Year (2019-20)	42,903,185.00	-1.08%	Met

6D. Comparison of District Total Operating Revenues and Expenditures to the Standard Percentage Range

DATA ENTRY: Explanations are linked from Section 6B if the status in Section 6C is not met; no entry is allowed below.

- 1a. STANDARD NOT MET - Projected total operating revenues have changed by more than the standard in one or more of the budget or two subsequent fiscal years. Reasons for the projected change, descriptions of the methods and assumptions used in the projections, and what changes, if any, will be made to bring the projected operating revenues within the standard must be entered in Section 6A above and will also display in the explanation box below.

Explanation:

Federal Revenue
(linked from 6B
if NOT met)

The District is conservative in its assumptions for Federal Revenue by budgeting at 83% of current year entitlement. Also, 16/17 budget reflects prior year carry over.

Explanation:

Other State Revenue
(linked from 6B
if NOT met)

16/17 budget reflects prior year carry over. Also, in 16/17 the district received one time money and College Readiness Block Grant

Explanation:

Other Local Revenue
(linked from 6B
if NOT met)

- 1b. STANDARD NOT MET - Projected total operating expenditures have changed by more than the standard in one or more of the budget or two subsequent fiscal years. Reasons for the projected change, descriptions of the methods and assumptions used in the projections, and what changes, if any, will be made to bring the projected operating expenditures within the standard must be entered in Section 6A above and will also display in the explanation box below.

Explanation:

Books and Supplies
(linked from 6B
if NOT met)

In 16/17 the district used carryover and one time money for books and supplies

Explanation:

Services and Other Exps
(linked from 6B
if NOT met)

In 16/17 the district used carryover and one time money for services and other operating expenditures

7. CRITERION: Facilities Maintenance

STANDARD: Confirm that the annual contribution for facilities maintenance funding is not less than the amount required pursuant to Education Code Section 17070.75, if applicable, and that the district is providing adequately to preserve the functionality of its facilities for their normal life in accordance with Education Code sections 52060(d)(1) and 17002(d)(1).

Determining the District's Compliance with the Contribution Requirement for EC Section 17070.75 as amended by AB 104 (Chapter 13, Statutes of 2015), effective 2017-18 to 2019-20 - Ongoing and Major Maintenance/Restricted Maintenance Account (OMMA/RMA)

NOTE: AB 104 (Chapter 13, Statutes of 2015) requires the district to deposit into the account, for the 2017-18 to 2019-20 fiscal years, a minimum amount that is the greater of the following amounts:

- A. The lesser of three percent of the total general fund expenditures and other financing uses for that fiscal year or the amount that the district deposited into the account for the 2014-15 fiscal year; or
- B. Two percent of the total general fund expenditures and other financing uses for that fiscal year.

DATA ENTRY: Click the appropriate Yes or No button for special education local plan area (SELPA) administrative units (AUs); all other data are extracted or calculated. If standard is not met, enter an X in the appropriate box and enter an explanation, if applicable.

1. a. For districts that are the AU of a SELPA, do you choose to exclude revenues that are passed through to participating members of the SELPA from the OMMA/RMA required minimum contribution calculation?

- b. Pass-through revenues and apportionments that may be excluded from the OMMA/RMA calculation per EC Section 17070.75(b)(2)(D) (Fund 10, resources 3300-3499 and 6500-6540, objects 7211-7213 and 7221-7223)

2. Ongoing and Major Maintenance/Restricted Maintenance Account

- a. Budgeted Expenditures and Other Financing Uses (Form 01, objects 1000-7999)
- b. Plus: Pass-through Revenues and Apportionments (Line 1b, if line 1a is No)
- c. Net Budgeted Expenditures and Other Financing Uses

453,166,551.88	3% of Total Current Year General Fund Expenditures and Other Financing Uses (Line 2c times 3%)	Amount Deposited ¹ for 2014-15 Fiscal Year	Lesser of: 3% or 2014-15 amount
453,166,551.88	13,594,996.56	7,500,637.68	7,500,637.68

- d. Required Minimum Contribution

2% of Total Current Year General Fund Expenditures and Other Financing Uses (Line 2c times 2%)	Required Minimum Contribution/ Greater of: Lesser of 3% or 2014-15 amount or 2%
9,063,331.04	9,063,331.04

Budgeted Contribution ¹
to the Ongoing and Major
Maintenance Account

Status

- e. OMMA/RMA Contribution

9,119,318.00	Met
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¹ Fund 01, Resource 8150, Objects 8900-8999

If standard is not met, enter an X in the box that best describes why the minimum required contribution was not made:

- ☐ Not applicable (district does not participate in the Leroy F. Greene School Facilities Act of 1998)
- ☐ Exempt (due to district's small size [EC Section 17070.75 (b)(2)(E)])
- ☐ Other (explanation must be provided)

Explanation:

(required if NOT met
and Other is marked)

8. CRITERION: Deficit Spending

STANDARD: Unrestricted deficit spending (total unrestricted expenditures and other financing uses is greater than total unrestricted revenues and other financing sources) as a percentage of total unrestricted expenditures and other financing uses, has not exceeded one-third of the district's available reserves¹ as a percentage of total expenditures and other financing uses² in two out of three prior fiscal years.

8A. Calculating the District's Deficit Spending Standard Percentage Levels

DATA ENTRY: All data are extracted or calculated.

	Third Prior Year (2014-15)	Second Prior Year (2015-16)	First Prior Year (2016-17)
1. District's Available Reserve Amounts (resources 0000-1999)			
a. Reserve for Economic Uncertainties (Funds 01 and 17, Object 9789)	11,414,870.00	13,132,141.00	9,501,737.00
b. Unassigned/Unappropriated (Funds 01 and 17, Object 9790)	0.19	0.19	0.00
c. Negative General Fund Ending Balances in Restricted Resources (Fund 01, Object 979Z, if negative, for each of resources 2000-9999)	(1.40)	(1.41)	(1.23)
d. Available Reserves (Lines 1a through 1c)	11,414,868.79	13,132,139.78	9,501,735.77
2. Expenditures and Other Financing Uses			
a. District's Total Expenditures and Other Financing Uses (Fund 01, objects 1000-7999)	380,495,673.47	437,738,030.66	475,086,826.34
b. Plus: Special Education Pass-through Funds (Fund 10, resources 3300-3499 and 6500-6540, objects 7211-7213 and 7221-7223)			0.00
c. Total Expenditures and Other Financing Uses (Line 2a plus Line 2b)	380,495,673.47	437,738,030.66	475,086,826.34
3. District's Available Reserve Percentage (Line 1d divided by Line 2c)	3.0%	3.0%	2.0%
District's Deficit Spending Standard Percentage Levels (Line 3 times 1/3):	1.0%	1.0%	0.7%

¹Available reserves are the unrestricted amounts in the Reserve for Economic Uncertainties and the Unassigned/Unappropriated accounts in the General Fund and the Special Reserve Fund for Other Than Capital Outlay Projects. Available reserves will be reduced by any negative ending balances in restricted resources in the General Fund.

²A school district that is the Administrative Unit of a Special Education Local Plan Area (SELPA) may exclude from its expenditures the distribution of funds to its participating members.

8B. Calculating the District's Deficit Spending Percentages

DATA ENTRY: All data are extracted or calculated.

Fiscal Year	Net Change in Unrestricted Fund Balance (Form 01, Section E)	Total Unrestricted Expenditures and Other Financing Uses (Form 01, Objects 1000-7999)	Deficit Spending Level (If Net Change in Unrestricted Fund Balance is negative, else N/A)	Status
Third Prior Year (2014-15)	(1,112,138.86)	267,489,789.66	0.4%	Met
Second Prior Year (2015-16)	14,216,117.89	318,143,393.78	N/A	Met
First Prior Year (2016-17)	(6,129,501.34)	344,610,230.14	1.8%	Not Met
Budget Year (2017-18) (Information only)	4,109,863.12	327,651,941.88		

8C. Comparison of District Deficit Spending to the Standard

DATA ENTRY: Enter an explanation if the standard is not met.

- 1a. STANDARD MET - Unrestricted deficit spending, if any, has not exceeded the standard percentage level in two or more of the three prior years.

Explanation:
(required if NOT met)

9. CRITERION: Fund Balance

STANDARD: Budgeted beginning unrestricted general fund balance has not been overestimated for two out of three prior fiscal years by more than the following percentage levels:

Percentage Level ¹	District ADA
1.7%	0 to 300
1.3%	301 to 1,000
1.0%	1,001 to 30,000
0.7%	30,001 to 400,000
0.3%	400,001 and over

¹ Percentage levels equate to a rate of deficit spending which would eliminate recommended reserves for economic uncertainties over a three year period.

District Estimated P-2 ADA (Form A, Lines A6 and C4):

District's Fund Balance Standard Percentage Level:

9A. Calculating the District's Unrestricted General Fund Beginning Balance Percentages

DATA ENTRY: Enter data in the Original Budget column for the First, Second, and Third Prior Years; all other data are extracted or calculated.

Fiscal Year	Unrestricted General Fund Beginning Balance ² (Form 01, Line F1e, Unrestricted Column)		Beginning Fund Balance Variance Level (If overestimated, else N/A)		Status
	Original Budget	Estimated/Unaudited Actuals			
Third Prior Year (2014-15)	22,099,272.00	22,099,272.75	N/A		Met
Second Prior Year (2015-16)	20,987,135.00	20,987,133.75	0.0%		Met
First Prior Year (2016-17)	31,637,604.93	33,127,224.51	N/A		Met
Budget Year (2017-18) (Information only)	26,997,723.17				

² Adjusted beginning balance, including audit adjustments and other restatements (objects 9791-9795)

9B. Comparison of District Unrestricted Beginning Fund Balance to the Standard

DATA ENTRY: Enter an explanation if the standard is not met.

- 1a. STANDARD MET - Unrestricted general fund beginning fund balance has not been overestimated by more than the standard percentage level for two or more of the previous three years.

Explanation:
(required if NOT met)

10. CRITERION: Reserves

STANDARD: Available reserves¹ for any of the budget year or two subsequent fiscal years are not less than the following percentages or amounts² as applied to total expenditures and other financing uses³:

DATA ENTRY: Budget Year data are extracted. If Form MYP exists, 1st and 2nd Subsequent Year data will be extracted. If not, enter district regular ADA and charter school ADA corresponding to financial data reported in the General Fund, only, for the two subsequent years.

Percentage Level	District ADA	
5% or \$66,000 (greater of)	0	to 300
4% or \$66,000 (greater of)	301	to 1,000
3%	1,001	to 30,000
2%	30,001	to 400,000
1%	400,001	and over

¹ Available reserves are the unrestricted amounts in the Reserve for Economic Uncertainties and the Unassigned/Unappropriated accounts in the General Fund and the Special Reserve Fund for Other Than Capital Outlay Projects. Available reserves will be reduced by any negative ending balances in restricted resources in the General Fund.

² Dollar amounts to be adjusted annually by the prior year statutory cost-of-living adjustment (Education Code Section 42238), rounded to the nearest thousand.

³ A school district that is the Administrative Unit (AU) of a Special Education Local Plan Area (SELPA) may exclude from its expenditures the distribution of funds to its participating members.

	Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
District Estimated P-2 ADA (Budget Year, Form A, Lines A4 and C4. Subsequent Years, Form MYP, Line F2, if available.)	38,260	38,271	38,273
District's Reserve Standard Percentage Level:	2%	2%	2%

10A. Calculating the District's Special Education Pass-through Exclusions (only for districts that serve as the AU of a SELPA)

DATA ENTRY: For SELPA AUs, if Form MYP exists, all data will be extracted including the Yes/No button selection. If not, click the appropriate Yes or No button for item 1 and, if Yes, enter data for item 2a and for the two subsequent years in item 2b; Budget Year data are extracted.

For districts that serve as the AU of a SELPA (Form MYP, Lines F1a, F1b1, and F1b2):

1. Do you choose to exclude from the reserve calculation the pass-through funds distributed to SELPA members? No
2. If you are the SELPA AU and are excluding special education pass-through funds:
 - a. Enter the name(s) of the SELPA(s): _____

	Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
b. Special Education Pass-through Funds (Fund 10, resources 3300-3499 and 6500-6540, objects 7211-7213 and 7221-7223)	0.00	0.00	0.00

10B. Calculating the District's Reserve Standard

DATA ENTRY: If Form MYP exists, 1st and 2nd Subsequent Year data for lines 1 and 2 will be extracted; if not, enter data for the two subsequent years.
All other data are extracted or calculated.

	Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
1. Expenditures and Other Financing Uses (Fund 01, objects 1000-7999) (Form MYP, Line B11)	453,166,551.88	455,099,397.38	464,615,918.38
2. Plus: Special Education Pass-through (Criterion 10A, Line 2b, if Criterion 10A, Line 1 is No)	0.00	0.00	0.00
3. Total Expenditures and Other Financing Uses (Line B1 plus Line B2)	453,166,551.88	455,099,397.38	464,615,918.38
4. Reserve Standard Percentage Level 2%	2%	2%	2%
5. Reserve Standard - by Percent (Line B3 times Line B4)	9,063,331.04	9,101,987.95	9,292,318.37
6. Reserve Standard - by Amount (\$66,000 for districts with 0 to 1,000 ADA, else 0)	0.00	0.00	0.00
7. District's Reserve Standard (Greater of Line B5 or Line B6)	9,063,331.04	9,101,987.95	9,292,318.37

10C. Calculating the District's Budgeted Reserve Amount

DATA ENTRY: If Form MYP exists, 1st and 2nd Subsequent Year data for lines 1 through 7 will be extracted; if not, enter data for the two subsequent years.
All other data are extracted or calculated.

Reserve Amounts

(Unrestricted resources 0000-1999 except Line 4):

1. General Fund - Stabilization Arrangements
(Fund 01, Object 9750) (Form MYP, Line E1a)
2. General Fund - Reserve for Economic Uncertainties
(Fund 01, Object 9789) (Form MYP, Line E1b)
3. General Fund - Unassigned/Unappropriated Amount
(Fund 01, Object 9790) (Form MYP, Line E1c)
4. General Fund - Negative Ending Balances in Restricted Resources
(Fund 01, Object 979Z, if negative, for each of resources 2000-9999)
(Form MYP, Line E1d)
5. Special Reserve Fund - Stabilization Arrangements
(Fund 17, Object 9750) (Form MYP, Line E2a)
6. Special Reserve Fund - Reserve for Economic Uncertainties
(Fund 17, Object 9789) (Form MYP, Line E2b)
7. Special Reserve Fund - Unassigned/Unappropriated Amount
(Fund 17, Object 9790) (Form MYP, Line E2c)
8. District's Budgeted Reserve Amount
(Lines C1 thru C7)
9. District's Budgeted Reserve Percentage (Information only)
(Line 8 divided by Section 10B, Line 3)

**District's Reserve Standard
(Section 10B, Line 7):**

Status:

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
0.00		
9,063,331.00	9,101,988.00	9,292,318.00
0.00	0.00	0.00
(1.48)	0.00	0.00
0.00		
0.00		
0.00		
9,063,329.52	9,101,988.00	9,292,318.00
2.00%	2.00%	2.00%
9,063,331.04	9,101,987.95	9,292,318.37
Not Met	Met	Not Met

10D. Comparison of District Reserve Amount to the Standard

DATA ENTRY: Enter an explanation if the standard is not met.

- 1a. STANDARD NOT MET - Projected available reserves are below the standard in one or more of the budget or two subsequent fiscal years. Provide reasons for reserves falling below the standard and what plans and actions are anticipated to be taken to increase reserves to, or above, the standard.

Explanation:

(required if NOT met)

SUPPLEMENTAL INFORMATION

DATA ENTRY: Click the appropriate Yes or No button for items S1 through S4. Enter an explanation for each Yes answer.

S1. Contingent Liabilities

- 1a. Does your district have any known or contingent liabilities (e.g., financial or program audits, litigation, state compliance reviews) that may impact the budget?

No

- 1b. If Yes, identify the liabilities and how they may impact the budget:

S2. Use of One-time Revenues for Ongoing Expenditures

- 1a. Does your district have ongoing general fund expenditures in the budget in excess of one percent of the total general fund expenditures that are funded with one-time resources?

No

- 1b. If Yes, identify the expenditures and explain how the one-time resources will be replaced to continue funding the ongoing expenditures in the following fiscal years:

S3. Use of Ongoing Revenues for One-time Expenditures

- 1a. Does your district have large non-recurring general fund expenditures that are funded with ongoing general fund revenues?

No

- 1b. If Yes, identify the expenditures:

S4. Contingent Revenues

- 1a. Does your district have projected revenues for the budget year or either of the two subsequent fiscal years contingent on reauthorization by the local government, special legislation, or other definitive act (e.g., parcel taxes, forest reserves)?

No

- 1b. If Yes, identify any of these revenues that are dedicated for ongoing expenses and explain how the revenues will be replaced or expenditures reduced:

S5. Contributions

Identify projected contributions from unrestricted resources in the general fund to restricted resources in the general fund for the budget year and two subsequent fiscal years. Provide an explanation if contributions have changed from the prior fiscal year amounts by more than \$20,000 and more than ten percent. Explanation should include whether contributions are ongoing or one-time in nature.

Identify projected transfers to or from the general fund to cover operating deficits in either the general fund or any other fund for the budget year and two subsequent fiscal years. Provide an explanation if transfers have changed from the prior fiscal year amounts by more than \$20,000 and more than ten percent. Explanation should include whether transfers are ongoing or one-time in nature.

Estimate the impact of any capital projects on the general fund operational budget.

District's Contributions and Transfers Standard: -10.0% to +10.0%
or -\$20,000 to +\$20,000

S5A. Identification of the District's Projected Contributions, Transfers, and Capital Projects that may Impact the General Fund

DATA ENTRY: For Contributions, enter data in the Projection column for the 1st and 2nd Subsequent Years. Contributions for the First Prior Year and Budget Year will be extracted. For Transfers In and Transfers Out, enter data in the First Prior Year. If Form MYP exists, the data will be extracted for the Budget Year, and 1st and 2nd Subsequent Years. If Form MYP does not exist, enter data in the Budget Year, 1st and 2nd subsequent Years. Click the appropriate button for item 1d; all other data will be calculated.

Description / Fiscal Year	Projection	Amount of Change	Percent Change	Status
1a. Contributions, Unrestricted General Fund (Fund 01, Resources 0000-1999, Object 8980)				
First Prior Year (2016-17)	(58,417,208.20)			
Budget Year (2017-18)	(60,624,976.00)	2,207,767.80	3.8%	Met
1st Subsequent Year (2018-19)	(63,678,693.00)	3,053,717.00	5.0%	Met
2nd Subsequent Year (2019-20)	(65,139,584.00)	1,460,891.00	2.3%	Met
1b. Transfers In, General Fund *				
First Prior Year (2016-17)	9,507.00			
Budget Year (2017-18)	15,000.00	5,493.00	57.8%	Met
1st Subsequent Year (2018-19)	9,507.00	(5,493.00)	-36.6%	Met
2nd Subsequent Year (2019-20)	9,507.00	0.00	0.0%	Met
1c. Transfers Out, General Fund *				
First Prior Year (2016-17)	1,494,224.00			
Budget Year (2017-18)	1,920,809.00	426,585.00	28.5%	Not Met
1st Subsequent Year (2018-19)	1,920,809.00	0.00	0.0%	Met
2nd Subsequent Year (2019-20)	1,920,809.00	0.00	0.0%	Met

1d. Impact of Capital Projects

Do you have any capital projects that may impact the general fund operational budget?

No

* Include transfers used to cover operating deficits in either the general fund or any other fund.

S5B. Status of the District's Projected Contributions, Transfers, and Capital Projects

DATA ENTRY: Enter an explanation if Not Met for items 1a-1c or if Yes for item 1d.

1a. MET - Projected contributions have not changed by more than the standard for the budget and two subsequent fiscal years.

Explanation:
(required if NOT met)

1b. MET - Projected transfers in have not changed by more than the standard for the budget and two subsequent fiscal years.

Explanation:
(required if NOT met)

- 1c. NOT MET - The projected transfers out of the general fund have changed by more than the standard for one or more of the budget or subsequent two fiscal years. Identify the amount(s) transferred, by fund, and whether transfers are ongoing or one-time in nature. If ongoing, explain the district's plan, with timeframes, for reducing or eliminating the transfers.

Explanation:
(required if NOT met)

Increased contributions to Fund 11 Adult Fund

- 1d. NO - There are no capital projects that may impact the general fund operational budget.

Project Information:
(required if YES)

S6. Long-term Commitments

Identify all existing and new multiyear commitments¹ and their annual required payments for the budget year and two subsequent fiscal years.

Explain how any increase in annual payments will be funded. Also explain how any decrease to funding sources used to pay long-term commitments will be replaced.

¹ Include multiyear commitments, multiyear debt agreements, and new programs or contracts that result in long-term obligations.

S6A. Identification of the District's Long-term Commitments

DATA ENTRY: Click the appropriate button in item 1 and enter data in all columns of item 2 for applicable long-term commitments; there are no extractions in this section.

1. Does your district have long-term (multiyear) commitments?
(If No, skip item 2 and Sections S6B and S6C)

Yes

2. If Yes to item 1, list all new and existing multiyear commitments and required annual debt service amounts. Do not include long-term commitments for postemployment benefits other than pensions (OPEB); OPEB is disclosed in item S7A.

Type of Commitment	# of Years Remaining	SACS Fund and Object Codes Used For:		Principal Balance as of July 1, 2017
		Funding Sources (Revenues)	Debt Service (Expenditures)	
Capital Leases	3	01-8900	01-7400	17,354,293
Certificates of Participation	9	01-8971	01-7400	7,875,000
General Obligation Bonds	30	21-8951	51-7400	391,939,740
Supp Early Retirement Program	2	01-8699	01-3903-3904	620,447
State School Building Loans				
Compensated Absences				

Other Long-term Commitments (do not include OPEB):

CFDs(Mello Roos)	12	49-8971	49-7400	98,800,000
DRB(L-Street)	18	40-8973	40-7400	35,690,000
TOTAL:				552,279,480

Type of Commitment (continued)	Prior Year (2016-17) Annual Payment (P & I)	Budget Year (2017-18) Annual Payment (P & I)	1st Subsequent Year (2018-19) Annual Payment (P & I)	2nd Subsequent Year (2019-20) Annual Payment (P & I)
Capital Leases	7,391,559	7,056,074	6,715,570	3,645,821
Certificates of Participation	398,499	396,125	398,535	395,784
General Obligation Bonds	22,500,072	26,640,337	27,936,754	29,385,199
Supp Early Retirement Program	671,191	334,681	311,600	0
State School Building Loans				
Compensated Absences				

Other Long-term Commitments (continued):

CFDs(Mello Roos)	40,608,687	15,134,891	14,951,396	15,128,478
DRB(L-Street)	0	2,459,913	2,562,691	2,540,956
Total Annual Payments:	71,570,008	52,022,021	52,876,546	51,096,238
Has total annual payment increased over prior year (2016-17)?	No	No	No	No

S6B. Comparison of the District's Annual Payments to Prior Year Annual Payment

DATA ENTRY: Enter an explanation if Yes.

- 1a. No - Annual payments for long-term commitments have not increased in one or more of the budget and two subsequent fiscal years.

Explanation:
(required if Yes
to increase in total
annual payments)

--

S6C. Identification of Decreases to Funding Sources Used to Pay Long-term Commitments

DATA ENTRY: Click the appropriate Yes or No button in item 1; if Yes, an explanation is required in item 2.

1. Will funding sources used to pay long-term commitments decrease or expire prior to the end of the commitment period, or are they one-time sources?

No

- 2.

No - Funding sources will not decrease or expire prior to the end of the commitment period, and one-time funds are not being used for long-term commitment annual payments.

Explanation:
(required if Yes)

--

S7. Unfunded Liabilities

Estimate the unfunded liability for postemployment benefits other than pensions (OPEB) based on an actuarial valuation, if required, or other method; identify or estimate the annual required contribution; and indicate how the obligation is funded (pay-as-you-go, amortized over a specific period, etc.).

Estimate the unfunded liability for self-insurance programs such as workers' compensation based on an actuarial valuation, if required, or other method; identify or estimate the required contribution; and indicate how the obligation is funded (level of risk retained, funding approach, etc.).

S7A. Identification of the District's Estimated Unfunded Liability for Postemployment Benefits Other than Pensions (OPEB)

DATA ENTRY: Click the appropriate button in item 1 and enter data in all other applicable items; there are no extractions in this section except the budget year data on line 5b.

1. Does your district provide postemployment benefits other than pensions (OPEB)? (If No, skip items 2-5)

Yes

2. For the district's OPEB:
a. Are they lifetime benefits?

No

- b. Do benefits continue past age 65?

No

- c. Describe any other characteristics of the district's OPEB program including eligibility criteria and amounts, if any, that retirees are required to contribute toward their own benefits:

3. a. Are OPEB financed on a pay-as-you-go, actuarial cost, or other method?

Pay-as-you-go

- b. Indicate any accumulated amounts earmarked for OPEB in a self-insurance or governmental fund

Self-Insurance Fund

Governmental Fund

0

0

4. OPEB Liabilities

- a. OPEB actuarial accrued liability (AAL)
b. OPEB unfunded actuarial accrued liability (UAAL)
c. Are AAL and UAAL based on the district's estimate or an actuarial valuation?

62,530,157.00

62,530,157.00

Actuarial

Jul 01, 2014

- d. If based on an actuarial valuation, indicate the date of the OPEB valuation

5. OPEB Contributions

- a. OPEB annual required contribution (ARC) per actuarial valuation or Alternative Measurement Method
b. OPEB amount contributed (for this purpose, include premiums paid to a self-insurance fund) (funds 01-70, objects 3701-3752)
c. Cost of OPEB benefits (equivalent of "pay-as-you-go" amount)
d. Number of retirees receiving OPEB benefits

Budget Year
(2017-18)1st Subsequent Year
(2018-19)2nd Subsequent Year
(2019-20)

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
8,321,232.00	8,321,232.00	8,321,232.00
100,000.00	100,000.00	100,000.00
1,694,682.00	1,694,682.00	1,694,682.00
291	291	291

S7B. Identification of the District's Unfunded Liability for Self-Insurance Programs

DATA ENTRY: Click the appropriate button in item 1 and enter data in all other applicable items; there are no extractions in this section.

1. Does your district operate any self-insurance programs such as workers' compensation, employee health and welfare, or property and liability? (Do not include OPEB, which is covered in Section S7A) (If No, skip items 2-4)

No

2. Describe each self-insurance program operated by the district, including details for each such as level of risk retained, funding approach, basis for valuation (district's estimate or actuarial), and date of the valuation:

--

3. Self-Insurance Liabilities

- a. Accrued liability for self-insurance programs
b. Unfunded liability for self-insurance programs

4. Self-Insurance Contributions

- a. Required contribution (funding) for self-insurance programs
b. Amount contributed (funded) for self-insurance programs

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)

S8. Status of Labor Agreements

Analyze the status of employee labor agreements. Identify new labor agreements, as well as new commitments provided as part of previously ratified multiyear agreements; and include all contracts, including all administrator contracts (and including all compensation). For new agreements, indicate the date of the required board meeting. Compare the increase in new commitments to the projected increase in ongoing revenues, and explain how these commitments will be funded in future fiscal years.

If salary and benefit negotiations are not finalized at budget adoption, upon settlement with certificated or classified staff:

The school district must determine the cost of the settlement, including salaries, benefits, and any other agreements that change costs, and provide the county office of education (COE) with an analysis of the cost of the settlement and its impact on the operating budget.

The county superintendent shall review the analysis relative to the criteria and standards, and may provide written comments to the president of the district governing board and superintendent.

S8A. Cost Analysis of District's Labor Agreements - Certificated (Non-management) Employees

DATA ENTRY: Enter all applicable data items; there are no extractions in this section.

	Prior Year (2nd Interim) (2016-17)	Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
Number of certificated (non-management) full-time-equivalent (FTE) positions	1,836.0	1,976.3	1,976.3	1,976.3

Certificated (Non-management) Salary and Benefit Negotiations

1. Are salary and benefit negotiations settled for the budget year?

Yes

If Yes, and the corresponding public disclosure documents
have been filed with the COE, complete questions 2 and 3.

If Yes, and the corresponding public disclosure documents
have not been filed with the COE, complete questions 2-5.

If No, identify the unsettled negotiations including any prior year unsettled negotiations and then complete questions 6 and 7.

Negotiations Settled

- 2a. Per Government Code Section 3547.5(a), date of public disclosure board meeting:

Jun 12, 2017

- 2b. Per Government Code Section 3547.5(b), was the agreement certified
by the district superintendent and chief business official?

Yes

If Yes, date of Superintendent and CBO certification:

May 22, 2017

3. Per Government Code Section 3547.5(c), was a budget revision adopted
to meet the costs of the agreement?

Yes

If Yes, date of budget revision board adoption:

Jun 26, 2017

4. Period covered by the agreement:

Begin Date:

Jul 01, 2016

End Date:

Jun 30, 2019

5. Salary settlement:

Budget Year
(2017-18)

1st Subsequent Year
(2018-19)

2nd Subsequent Year
(2019-20)

Is the cost of salary settlement included in the budget and multiyear
projections (MYPs)?

Yes

Yes

Yes

One Year Agreement

Total cost of salary settlement

7,220,576

0

0

% change in salary schedule from prior year
or

3.8%

Multiyear Agreement

Total cost of salary settlement

% change in salary schedule from prior year
(may enter text, such as "Reopener")

Identify the source of funding that will be used to support multiyear salary commitments:

Negotiations Not Settled

6. Cost of a one percent increase in salary and statutory benefits

--

7. Amount included for any tentative salary schedule increases

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)

Certificated (Non-management) Health and Welfare (H&W) Benefits

- Are costs of H&W benefit changes included in the budget and MYPs?
- Total cost of H&W benefits
- Percent of H&W cost paid by employer
- Percent projected change in H&W cost over prior year

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
No	No	No
21,912,839	22,351,096	22,798,118
89.0%	89.0%	89.0%
2.0%	2.0%	2.0%

Certificated (Non-management) Prior Year Settlements

Are any new costs from prior year settlements included in the budget?
If Yes, amount of new costs included in the budget and MYPs
If Yes, explain the nature of the new costs:

No		
----	--	--

--

Certificated (Non-management) Step and Column Adjustments

- Are step & column adjustments included in the budget and MYPs?
- Cost of step & column adjustments
- Percent change in step & column over prior year

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
Yes	Yes	Yes
2,408,101	2,629,236	2,646,989
2.0%	2.0%	2.0%

Certificated (Non-management) Attrition (layoffs and retirements)

- Are savings from attrition included in the budget and MYPs?
- Are additional H&W benefits for those laid-off or retired employees included in the budget and MYPs?

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
Yes	Yes	Yes
Yes	Yes	Yes

Certificated (Non-management) - Other

List other significant contract changes and the cost impact of each change (i.e., class size, hours of employment, leave of absence, bonuses, etc.):

S8B. Cost Analysis of District's Labor Agreements - Classified (Non-management) Employees

DATA ENTRY: Enter all applicable data items; there are no extractions in this section.

	Prior Year (2nd Interim) (2016-17)	Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
Number of classified (non-management) FTE positions	1,012.3	1,097.7	1,097.7	1,097.7

Classified (Non-management) Salary and Benefit Negotiations

1. Are salary and benefit negotiations settled for the budget year?

If Yes, and the corresponding public disclosure documents
have been filed with the COE, complete questions 2 and 3.

Yes

If Yes, and the corresponding public disclosure documents
have not been filed with the COE, complete questions 2-5.

If No, identify the unsettled negotiations including any prior year unsettled negotiations and then complete questions 6 and 7.

Negotiations Settled

- 2a. Per Government Code Section 3547.5(a), date of public disclosure
-
- board meeting:

Dec 12, 2016

- 2b. Per Government Code Section 3547.5(b), was the agreement certified
-
- by the district superintendent and chief business official?

Yes

If Yes, date of Superintendent and CBO certification:

Dec 02, 2016

3. Per Government Code Section 3547.5(c), was a budget revision adopted
-
- to meet the costs of the agreement?

Yes

If Yes, date of budget revision board adoption:

Dec 13, 2016

4. Period covered by the agreement:

Begin Date:

Jul 01, 2016

End Date:

Jun 30, 2016

5. Salary settlement:

Budget Year
(2017-18)1st Subsequent Year
(2018-19)2nd Subsequent Year
(2019-20)Is the cost of salary settlement included in the budget and multiyear
projections (MYPs)?

Yes

Yes

Yes

One Year Agreement

Total cost of salary settlement

1,086,924

0

0

% change in salary schedule from prior year
or

3.8%

Multiyear Agreement

Total cost of salary settlement

% change in salary schedule from prior year
(may enter text, such as "Reopener")

Identify the source of funding that will be used to support multiyear salary commitments:

Negotiations Not Settled

6. Cost of a one percent increase in salary and statutory benefits

7. Amount included for any tentative salary schedule increases

Budget Year
(2017-18)1st Subsequent Year
(2018-19)2nd Subsequent Year
(2019-20)

Classified (Non-management) Health and Welfare (H&W) Benefits

- Are costs of H&W benefit changes included in the budget and MYPs?
- Total cost of H&W benefits
- Percent of H&W cost paid by employer
- Percent projected change in H&W cost over prior year

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
No	No	No
15,924,806	16,243,302	16,568,168
89.0%	89.0%	89.0%
2.0%	2.0%	2.0%

Classified (Non-management) Prior Year Settlements

- Are any new costs from prior year settlements included in the budget?
- If Yes, amount of new costs included in the budget and MYPs
- If Yes, explain the nature of the new costs:

No		
----	--	--

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Classified (Non-management) Step and Column Adjustments

- Are step & column adjustments included in the budget and MYPs?
- Cost of step & column adjustments
- Percent change in step & column over prior year

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
Yes	Yes	Yes
698,291	706,567	713,624
1.3%	1.3%	1.3%

Classified (Non-management) Attrition (layoffs and retirements)

- Are savings from attrition included in the budget and MYPs?
- Are additional H&W benefits for those laid-off or retired employees included in the budget and MYPs?

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
No	No	No
Yes	Yes	Yes

Classified (Non-management) - Other

List other significant contract changes and the cost impact of each change (i.e., hours of employment, leave of absence, bonuses, etc.):

S8C. Cost Analysis of District's Labor Agreements - Management/Supervisor/Confidential Employees

DATA ENTRY: Enter all applicable data items; there are no extractions in this section.

	Prior Year (2nd Interim) (2016-17)	Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
Number of management, supervisor, and confidential FTE positions	239.2	239.2	239.2	239.2

**Management/Supervisor/Confidential
Salary and Benefit Negotiations**

1. Are salary and benefit negotiations settled for the budget year?

Yes

If Yes, complete question 2.

If No, identify the unsettled negotiations including any prior year unsettled negotiations and then complete questions 3 and 4.

--

If n/a, skip the remainder of Section S8C.

Negotiations Settled

2. Salary settlement:

Is the cost of salary settlement included in the budget and multiyear projections (MYPs)?

Total cost of salary settlement

% change in salary schedule from prior year
(may enter text, such as "Reopener")

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
Yes	Yes	Yes
3.8%	0.0%	0.0%

Negotiations Not Settled

3. Cost of a one percent increase in salary and statutory benefits

--

4. Amount included for any tentative salary schedule increases

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)

**Management/Supervisor/Confidential
Health and Welfare (H&W) Benefits**

- Are costs of H&W benefit changes included in the budget and MYPs?
- Total cost of H&W benefits
- Percent of H&W cost paid by employer
- Percent projected change in H&W cost over prior year

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
No	No	No
89.0%	89.0%	89.0%
2.0%	2.0%	2.0%

**Management/Supervisor/Confidential
Step and Column Adjustments**

- Are step & column adjustments included in the budget and MYPs?
- Cost of step and column adjustments
- Percent change in step & column over prior year

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)

**Management/Supervisor/Confidential
Other Benefits (mileage, bonuses, etc.)**

- Are costs of other benefits included in the budget and MYPs?
- Total cost of other benefits
- Percent change in cost of other benefits over prior year

Budget Year (2017-18)	1st Subsequent Year (2018-19)	2nd Subsequent Year (2019-20)
Yes	Yes	Yes
2.0%	2.0%	2.0%

S9. Local Control and Accountability Plan (LCAP)

Confirm that the school district's governing board has adopted an LCAP or an update to the LCAP effective for the budget year.

DATA ENTRY: Click the appropriate Yes or No button in item 1, and enter the date in item 2.

1. Did or will the school district's governing board adopt an LCAP or approve an update to the LCAP effective for the budget year?

Yes

2. Approval date for adoption of the LCAP or approval of an update to the LCAP.

Jun 26, 2017

S10. LCAP Expenditures

Confirm that the school district's budget includes the expenditures necessary to implement the LCAP or annual update to the LCAP.

DATA ENTRY: Click the appropriate Yes or No button.

Does the school district's budget include the expenditures necessary to implement the LCAP or annual update to the LCAP as described in the Local Control and Accountability Plan and Annual Update Template, Section 3: Actions, Services and Expenditures?

Yes

ADDITIONAL FISCAL INDICATORS

The following fiscal indicators are designed to provide additional data for reviewing agencies. A "Yes" answer to any single indicator does not necessarily suggest a cause for concern, but may alert the reviewing agency to the need for additional review.

DATA ENTRY: Click the appropriate Yes or No button for items A1 through A9 except item A3, which is automatically completed based on data in Criterion 2.

A1. Do cash flow projections show that the district will end the budget year with a negative cash balance in the general fund?

No

A2. Is the system of personnel position control independent from the payroll system?

Yes

A3. Is enrollment decreasing in both the prior fiscal year and budget year? (Data from the enrollment budget column and actual column of Criterion 2A are used to determine Yes or No)

No

A4. Are new charter schools operating in district boundaries that impact the district's enrollment, either in the prior fiscal year or budget year?

No

A5. Has the district entered into a bargaining agreement where any of the budget or subsequent years of the agreement would result in salary increases that are expected to exceed the projected state funded cost-of-living adjustment?

Yes

A6. Does the district provide uncapped (100% employer paid) health benefits for current or retired employees?

No

A7. Is the district's financial system independent of the county office system?

Yes

A8. Does the district have any reports that indicate fiscal distress pursuant to Education Code Section 42127.6(a)? (If Yes, provide copies to the county office of education)

No

A9. Have there been personnel changes in the superintendent or chief business official positions within the last 12 months?

No

When providing comments for additional fiscal indicators, please include the item number applicable to each comment.

Comments:
(optional)

End of School District Budget Criteria and Standards Review

Sweetwater Union High School District
Board of Trustees' Meeting
June 26, 2017
2017-18 Proposed Budget

Agenda

- 2017-18 Proposed Revenue Budget
 - >Key Revenue Budget Assumptions
 - >Local Control Funding Formula
 - >Revenue Budget/Details
- 2017-18 Proposed Expenditure Budget
 - >Key Expenditure Budget Assumptions
 - >Expenditure Budget/Details
- Revised General Fund Financials & Reserves
- General Fund Revenue/Expenditures changes from Preliminary
- Multiyear Projections
- Other Funds

Key Revenue Budget Assumptions

- LCFF funding model @ 43.97% GAP closure rate— translates to \$4.2 million increase over January
- One Time Discretionary funds @ \$148 per ADA =\$5.9m
- Mandate block grant \$28/K-8 ADA \$57/9-12 ADA = \$1.9m
- COLA for Special Education and Child Nutrition, none for Adult Fund
- CTE Incentive Grant @ \$3.3 million
- Adult funding equal to maintenance of effort & parent education-\$13.2m

What Does the LCFF Mean for Sweetwater?

LCFF		LCFF BASE			Supplemental/Concentration (S/C)			
Fiscal Year	Total per ADA	Base Amount	ADA ¹	Base Amount per ADA	Fiscal Year	S/C Amount ²	S/C ADA ³	S/C Amount per ADA ⁴
15/16	\$8,980	\$305,910,195	38,195.51	\$8,043.60	15/16	\$33,421,971	25,207.26	\$936.40
16/17	\$9,399	\$314,967,535	38,248.62	\$8,234.74	16/17	\$40,875,798	25,136.99	\$1164.26
17/18	\$9,630	\$322,949,808	38,285.76	\$8,435.25	17/18	\$42,111,247	25,582.54	\$1,194.75

1. ADA = Base ada + Unduplicated ada.

2. Supplemental/Concentration (S/C) Amount = Full S/C award * Gap Rate + [1-Gap Rate] * S/C Prior Year Expenses.

3. S/C ADA = Unduplicated Rolling percentage * ADA + [Unduplicated Rolling Percentage-.55] * ADA.

4. The S/C amount per ADA is based on Total per ADA - LCFF Base amount per ADA. Dividing S/C amount by S/C ADA requires adjustments based on the Unduplicated Rolling percentage, Minimum Proportionality percentage, Supplemental percentage, Concentration percentage, the phase in funding ratio, prior year S/C expenditures and the Gap Rate.

2017-18 Proposed Budget

General Fund Revenue

Revenue Ledger	General Fund
Local Control Funding Formula	
LCFF	270,834,612
LCAP/LCFF-Supplemental and Concentration Grants	42,111,247
Community Day School	598,981
Education Protection Account	53,556,425
Special Education Property Taxes	1,830,231
Sub-total	368,931,496
Federal	
MAA/Advance PI/ROTC/Wildlife	384,628
Title I	8,097,889
Special Ed:IDEA(Local Assistance)	5,388,376
Special Ed:IDEA MHA Plan, Part B, Sec. 611	375,060
Dept. of Rehab-Transition Partnership	211,952
Voc & Appl Tech Secondary II C, Sec 131	475,788
Title II Teacher Quality	922,988
NCLB Title IV 21st Century	1,583,120
ESEA Title III - Limited English Proficient (LEP)	726,722
Medi-Cal Billing Option	271,590
Sub-total	18,438,113
State	
Mandate Block Grant	1,912,998
One-Time Funds from State	5,883,936
Lottery	5,724,911
Lottery - Instructional Materials	1,789,020
Career Technical Grant	3,333,333
Special Ed: Mental Health Services	2,221,955
Special Ed: Project Workability	111,695
STRS On-Behalf Pension Contribution	11,878,482
Sub-total	32,856,330
Local	
Special Education AB602	20,423,748
Transportation Fees	406,000
After School Safe and Lrng Neighborhood	1,532,624
Other Local Programs	7,114,811
Sub-total	29,477,183
Transfers	
Proceeds from Leases	4,143,232
Transfers	15,000
Sub-total	4,158,232
Total Reveue:	453,861,354

Key Expenditure Budget Assumptions

- Health & welfare costs @ 2016-17 average actual + increases ranging from 5.3% to 11.7% = \$11,040, increase over 16/17 of \$1.5 million
- CalSTRs increase from 12.58% to 14.43, increase over 16/17 of \$4.7 million
- CalPERS increase from 13.9% to 15.53% increase over 16/17 of \$1.9 million
- Step & column increase-certificated @ 2.0% & classified @ 1.3% increase over 16/17 of \$3.3 million
- Routine restricted maintenance rate = 2.0% of GF expenditures
- Transfer to Deferred Maintenance Fund of \$1.6 million

2017-18 Proposed Budget

General Fund Expenditures

Certified Teachers	173,428,378
Certified Pupil Support	20,147,816
Certified Supervisors/Administrator	17,971,669
Classified Instructional	17,859,139
Classified Support	26,426,891
Classified Supervisors/Administrato	2,847,444
Classified Clerical/Office	22,594,649
Classified Other	4,273,565
Benefits	107,480,182
Books	1,565,973
Supplies/Equipment (Sites)	5,439,935
Supplies/Equipment (Non-Sites)	8,170,103
Subagreements (Sites)	1,198,550
Subagreements (Non-Sites)	589,781
Insurance	2,182,882
Utilities	8,119,130
Leases/Repairs Equipment	4,082,856
Consultants	2,560,712
Contracts	4,103,487
Tuition/Room & Board	4,155,760
Misc. Instructional Fees	807,178
Misc. Admin Fees & Service	1,090,584
Postage	85,840
Services/Other Operating Expenses	2,311,028
Capital Outlay	4,348,968
Other Outgo	9,324,053
Total Expenditures	453,166,553

SWEETWATER UNION HIGH SCHOOL DISTRICT

GENERAL FUND

2017-18 Proposed Budget Unrestricted/Restricted

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 22,049,860	\$ 38,361,124	\$ 38,361,124	\$ 30,412,787
Restatement of Beg Bal	-	(2,076,027)	(2,076,027)	-
Adjusted Beginning Balance	<u>\$ 22,049,860</u>	<u>\$ 36,285,097</u>	<u>\$ 36,285,097</u>	<u>\$ 30,412,787</u>
REVENUE				
LCFF/Revenue Limit	\$ 344,790,420	\$ 359,630,823	\$ 359,557,710	\$ 368,931,496
Federal Revenue	23,321,261	24,451,537	25,235,687	18,438,113
Other State Revenue	50,148,672	39,458,450	39,458,450	32,856,330
Local Revenue	28,017,306	29,572,142	30,302,538	29,477,183
Transfer In	7,771,635	4,359,507	14,660,130	4,158,232
Transfer Out	-	-	-	-
Total Revenue	<u>\$ 454,049,294</u>	<u>\$ 457,472,459</u>	<u>\$ 469,214,515</u>	<u>\$ 453,861,354</u>
EXPENDITURES				
Certificated Salaries	\$ 204,198,917	\$ 209,571,216	\$ 209,940,959	\$ 211,547,863
Classified Salaries	69,956,611	72,928,429	73,150,828	74,001,658
Employee Benefits	90,578,322	98,457,439	99,140,720	107,480,183
Books/Supplies	20,875,530	31,293,631	26,240,051	15,176,012
Contracted Services	37,912,866	41,470,817	40,266,332	31,287,816
Capitalized Expenditures	8,652,076	6,746,807	16,567,201	4,348,969
Other Outgo	5,563,710	7,208,338	9,780,735	9,324,052
Total Expenditures	<u>\$ 437,738,032</u>	<u>\$ 467,676,677</u>	<u>\$ 475,086,826</u>	<u>\$ 453,166,553</u>
Revenue less Expenditures	\$ 16,311,262	\$ (10,204,218)	\$ (5,872,311)	\$ 694,801
ENDING BALANCE	\$ 38,361,122	\$ 26,080,879	\$ 30,412,786	\$ 31,107,588
RESERVES/RESTRICTIONS				
Legally Restricted Categorical Reserve	\$ 3,157,873	\$ -	\$ 3,415,063	\$ -
Reserves for Stores/Revolving Cash	538,092	401,527	401,527	401,527
Reserve for Early Retirement Incentive	334,682	86,741	334,682	311,560
Reserve for Site Carryover	100,000	-	100,000	100,000
Deferred Maintenance	4,314,398	-	3,720,218	4,432,701
Vehicle Replacement Plan	3,247,290	-	2,000,000	2,000,000
Reserve Technology Requirements	3,114,734	-	-	1,800,000
Reserve Qualified Zone Academy Bond (QZAB)	-	4,267,910	4,267,910	4,420,692
Reserver for One Time Costs	10,421,914	7,294,401	1,920,782	4,109,864
Economic Uncertainities (2% State Req)	8,754,761	9,353,534	9,501,737	9,063,331
Reserve STRS/PERS Retirement	\$ 4,377,380	4,676,767	4,750,868	4,467,912
Total Restrictions/Reserves	<u>\$ 38,361,124</u>	<u>\$ 26,080,879</u>	<u>\$ 30,412,787</u>	<u>\$ 31,107,587</u>
Unrestricted Reserve	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT

GENERAL FUND

2017-18 Proposed Budget Unrestricted

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 20,987,134	\$ 35,203,251	\$ 35,203,251	\$ 26,997,724
<i>Restatement of Beg Bal</i>		(2,076,027)	(2,076,027)	
Adjusted Beginning Balance	<u>\$ 20,987,134</u>	<u>\$ 33,127,224</u>	<u>\$ 33,127,224</u>	<u>\$ 26,997,724</u>
REVENUE				
LCFF/Revenue Limit	\$ 343,095,240	\$ 357,967,656	\$ 357,894,543	\$ 367,101,265
Federal Revenue	900,962	710,000	1,022,988	384,628
Other State Revenue	28,189,418	15,640,067	15,640,067	13,521,845
Local Revenue	5,932,157	7,240,914	7,680,209	7,220,811
Transfers In	7,771,635	4,359,507	14,660,130	4,158,232
Transfers Out	(53,529,902)	(56,224,595)	(58,417,208)	(60,624,975)
Total Revenue	<u>\$ 332,359,510</u>	<u>\$ 329,693,549</u>	<u>\$ 338,480,729</u>	<u>\$ 331,761,806</u>
EXPENDITURES				
Certificated Salaries	\$ 162,506,488	\$ 165,463,297	\$ 166,354,076	\$ 170,013,074
Classified Salaries	47,933,548	49,196,390	49,092,265	49,932,301
Employee Benefits	58,841,650	64,633,958	64,205,160	71,439,199
Books/Supplies	12,804,904	19,893,179	14,843,977	5,220,866
Contracted Services	23,306,686	25,385,248	25,582,177	19,320,258
Capitalized Expenditures	8,625,175	6,561,385	16,231,779	4,143,232
Other Outgo	4,124,942	5,606,437	8,300,796	7,583,012
Total Expenditures	<u>\$ 318,143,393</u>	<u>\$ 336,739,894</u>	<u>\$ 344,610,230</u>	<u>\$ 327,651,942</u>
Revenue less Expenditures	\$ 14,216,117	\$ (7,046,345)	\$ (6,129,501)	\$ 4,109,864
ENDING BALANCE	\$ 35,203,251	\$ 26,080,879	\$ 26,997,724	\$ 31,107,588
RESERVES/RESTRICTIONS				
Legally Restricted Categorical Reserve	\$ -	\$ -	\$ -	\$ -
Reserves for Stores/Revolving Cash	538,092	401,527	401,527	401,527
Reserve for Early Retirement Incentive	334,682	334,681	334,682	311,560
Reserve for Site Carryover	100,000	-	100,000	100,000
Deferred Maintenance	4,314,398	1,603,800	3,720,218	4,432,701
Vehicle Replacement Plan	3,247,290	1,347,736	2,000,000	2,000,000
Reserve Technology Requirements	3,114,734	1,068,434	-	1,800,000
Reserve Qualified Zone Academy Bond (QZAB)	-	-	4,267,910	4,420,692
Reserve for One Time Costs	10,421,914	7,294,401	1,920,782	4,109,864
Economic Uncertainties (2% State Req)	8,754,761	9,353,534	9,501,737	9,063,331
Reserve STRS/PERS Retirement	4,377,380	4,676,767	4,750,868	4,467,912
Total Restrictions/Reserves	<u>\$ 35,203,251</u>	<u>\$ 26,080,879</u>	<u>\$ 26,997,724</u>	<u>\$ 31,107,587</u>
Unrestricted Reserve	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT

GENERAL FUND

2017-18 Proposed Budget Restricted

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 1,062,726	\$ 3,157,873	\$ 3,157,873	\$ 3,415,063
REVENUE				
LCFF/Revenue Limit	\$ 1,695,180	\$ 1,663,167	\$ 1,663,167	\$ 1,830,231
Federal Revenue	22,420,299	23,741,537	24,212,699	18,053,485
Other State Revenue	21,959,254	23,818,383	23,818,383	19,334,485
Local Revenue	22,085,149	22,331,228	22,622,329	22,256,372
Transfer In				
Transfers In	53,529,902	56,224,595	58,417,208	60,624,975
Total Revenue	<u>\$ 121,689,784</u>	<u>\$ 127,778,910</u>	<u>\$ 130,733,786</u>	<u>\$ 122,099,548</u>
EXPENDITURES				
Certificated Salaries	\$ 41,692,430	\$ 44,107,919	\$ 43,586,883	\$ 41,534,789
Classified Salaries	22,023,064	23,732,039	24,058,563	24,069,357
Employee Benefits	31,736,670	33,823,481	34,935,560	36,040,984
Books/Supplies	8,070,625	11,400,452	11,396,074	9,955,146
Contracted Services	14,606,179	16,085,569	14,684,155	11,967,558
Capitalized Expenditures	26,900	185,422	335,422	205,737
Other Outgo	1,438,769	1,601,901	1,479,939	1,741,040
Total Expenditures	<u>\$ 119,594,637</u>	<u>\$ 130,936,783</u>	<u>\$ 130,476,596</u>	<u>\$ 125,514,611</u>
Revenue less Expenditures	\$ 2,095,147	\$ (3,157,873)	\$ 257,190	\$ (3,415,063)
ENDING BALANCE	\$ 3,157,873	\$ -	\$ 3,415,063	\$ -
RESERVES/RESTRICTIONS				
Legally Restricted Categorical Reserve	\$ 3,157,873	\$ -	\$ 3,415,063	\$ -
Total Restrictions/Reserves	<u>\$ 3,157,873</u>	<u>\$ -</u>	<u>\$ 3,415,063</u>	<u>\$ -</u>
Unrestricted Reserve	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

General Fund Reserve Components

District: Sweetwater Union High School District

CDS #: 68411

**Adopted Budget
2017-18 Budget
Attachment
Balances in Excess of
Minimum Reserve
Requirements**

Reasons for Assigned and Unassigned Ending Fund Balances in Excess of Minimum Recommended Reserves

Education Code Section 42127(a)(2)(B) requires a statement of the reasons that substantiates the need for assigned and unassigned ending fund balances in excess of the minimum reserve standard for economic uncertainties for each fiscal year identified in the budget.

Combined Assigned and Unassigned/unappropriated Fund Balances		
Form	Fund	2017-18 Budget
01	General Fund	\$30,706,060.00
Total Assigned and Unassigned Ending Fund Balances		\$30,706,060.00
District Standard Reserve Level		2%
Less District Minimum Reserve for Economic Uncertainties		\$9,063,331.00
Remaining Balance to Substantiate Need		\$21,642,729.00

Reasons for Fund Balances in Excess of Minimum Reserve for Economic Uncertainties

Form	Fund	2017-18 Budget	Description of Need
01	General Fund	\$311,560.00	Early Retirement Incentive
01	General Fund	\$100,000.00	Site Carryover
01	General Fund	\$1,800,000.00	Reserve Technology Requirements
01	General Fund	\$4,432,701.00	Deferred Maintenance
01	General Fund	\$2,000,000.00	Vehicle Replacement Plan
01	General Fund	\$4,420,692.00	Qualified Zone Academy Bond
01	General Fund	\$4,109,864.00	Reserve for One Time Costs
01	General Fund	\$4,467,912.00	Reserve STRS/PERS Retirement
Total of Substantiated Needs		\$21,642,729.00	

Remaining Unsubstantiated Balance

\$0.00

Balance should be Zero

Education Code Section 42127 (d)(1) requires a county superintendent to either conditionally approve or disapprove a school district budget if the district does not provide for EC 42127 (a)(2)(B) public review and discussion at its public budget hearing.

SWEETWATER UNION HIGH SCHOOL DISTRICT
General Fund-Unrestricted
2017-18 Proposed Budget Comparison

	2017-18 Preliminary Budget	2017-18 Proposed Budget	2017-18 Variance Prelim vs, Proposed
BEGINNING BALANCE	\$ 26,997,724	\$ 26,997,724	\$ -
<i>Restatement of Beg Bal</i>			
Adjusted Beginning Balance	<u>\$ 26,997,724</u>	<u>\$ 26,997,724</u>	<u>\$ -</u>
REVENUE			
LCFF/Revenue Limit	\$ 367,101,265	\$ 367,101,265	\$ -
Federal Revenue	710,000	384,628	(325,372)
Other State Revenue	7,608,524	13,521,845	5,913,321
Local Revenue	8,415,568	7,220,811	(1,194,757)
Transfers In	9,507	4,158,232	4,148,725
Transfers Out	(60,870,153)	(60,624,975)	245,178
Total Revenue	<u>\$ 322,974,711</u>	<u>\$ 331,761,806</u>	<u>\$ 8,787,095</u>
EXPENDITURES			
Certificated Salaries	\$ 169,997,417	\$ 170,013,074	\$ 15,657
Classified Salaries	50,248,173	49,932,301	(315,872)
Employee Benefits	71,026,840	71,439,199	412,359
Books/Supplies	6,246,881	5,220,866	(1,026,015)
Contracted Services	19,492,133	19,320,258	(171,875)
Capitalized Expenditures	-	4,143,232	4,143,232
Other Outgo	6,033,268	7,583,012	1,549,744
Total Expenditures	<u>\$ 323,044,712</u>	<u>\$ 327,651,942</u>	<u>\$ 4,607,230</u>
Revenue less Expenditures	\$ (70,001)	\$ 4,109,864	\$ 4,179,865
ENDING BALANCE	\$ 26,927,723	\$ 31,107,588	\$ 4,179,865
RESERVES/RESTRICTIONS			
Legally Restricted Categorical Reserve	\$ -	\$ -	\$ -
Reserves for Stores/Revolving Cash	401,527	401,527	-
Reserve for Early Retirement Incentive	311,560	311,560	-
Reserve for Site Carryover	100,000	100,000	-
Deferred Maintenance	6,249,515	4,432,701	(1,816,814)
Vehicle Replacement Plan	2,000,000	2,000,000	-
Reserve Technology Requirements	-	1,800,000	1,800,000
Reserve Qualified Zone Academy Bond (QZAB)	4,461,384	4,420,692	(40,692)
Reserve for One Time Costs	-	4,109,864	4,109,864
Economic Uncertainities (2% State Req)	8,935,824	9,063,331	127,507
Reserve STRS/PERS Retirement	4,467,912	4,467,912	0
Total Restrictions/Reserves	<u>\$ 26,927,722</u>	<u>\$ 31,107,587</u>	<u>\$ 4,179,865</u>
Unrestricted Reserve	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
General Fund-Restricted
2017-18 Proposed Budget Comparison

	2017-18 Preliminary Budget	2017-18 Proposed Budget	2017-18 Variance Prelim vs, Proposed
BEGINNING BALANCE	\$ 3,415,070	\$ 3,415,063	\$ (7)
REVENUE			
LCFF/Revenue Limit	\$ 1,830,231	\$ 1,830,231	\$ -
Federal Revenue	16,470,365	18,053,485	1,583,120
Other State Revenue	19,258,321	19,334,485	76,164
Local Revenue	21,902,346	22,256,372	354,026
Transfer In			-
Transfers In	60,870,153	60,624,975	(245,178)
Total Revenue	<u>\$ 120,331,416</u>	<u>\$ 122,099,548</u>	<u>\$ 1,768,132</u>
EXPENDITURES			
Certificated Salaries	\$ 40,513,494	\$ 41,534,789	\$ 1,021,295
Classified Salaries	24,784,696	24,069,357	(715,339)
Employee Benefits	35,730,079	36,040,984	310,905
Books/Supplies	9,879,379	9,955,146	75,767
Contracted Services	10,958,543	11,967,558	1,009,015
Capitalized Expenditures	206,736	205,737	(999)
Other Outgo	1,673,559	1,741,040	67,481
Total Expenditures	<u>\$ 123,746,486</u>	<u>\$ 125,514,611</u>	<u>\$ 1,768,125</u>
Revenue less Expenditures	\$ (3,415,070)	\$ (3,415,063)	\$ 7
ENDING BALANCE	\$ -	\$ -	\$ -
RESERVES/RESTRICTIONS			
Legally Restricted Categorical Reserve	\$ -	\$ -	\$ -
Total Restrictions/Reserves	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Unrestricted Reserve	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

Multiyear Projections

- 2017/18 and 2018/19 Assumptions
 - >Gap closure rate of 43.97 & 71.53% respectively
 - >One time mandate reimbursement funds
 - >Includes projected increase in health care costs
 - >Increase in CalSTRs and CalPERs at published rates
 - >Certificated 2.0% step & column increase
 - >Classified 1.3% step & column increase
 - >Continued transfer of \$1.6 million to Deferred Maintenance Fund
 - >Continued support of Adult Education at MOE level of funding with additional support for parent education

Multiyear Projections

	<u>2017-2018</u>	<u>2018-2019</u>	<u>2019-2020</u>
Revenue	\$453,861,354	\$456,285,177	\$467,678,676
Expenditures	<u>453,166,554</u>	<u>455,099,398</u>	<u>464,615,917</u>
Net Surplus	\$694,800	\$1,185,779	\$3,062,760

SWEETWATER UNION HIGH SCHOOL DISTRICT
Adult Education Fund
2017-18 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 522,581	\$ 649,707	\$ 649,707	\$ -
REVENUES				
LCFF Sources	\$ -	\$ -	\$ -	\$ -
Federal Revenues	1,951,563	1,902,880	1,902,880	1,549,183
State Revenues	13,386,735	14,523,810	14,523,810	14,256,400
Local Revenues	535,408	497,210	497,390	264,938
Transfers In	611,241	627,795	1,455,184	1,920,809
Total Revenue	<u>\$ 16,484,947</u>	<u>\$ 17,551,695</u>	<u>\$ 18,379,264</u>	<u>\$ 17,991,330</u>
EXPENDITURES				
Certificated Salaries	\$ 7,569,221	\$ 7,702,799	\$ 7,784,684	\$ 7,312,261
Classified Salaries	3,011,527	3,293,792	3,267,133	3,183,365
Employee Benefits	3,540,674	4,009,996	4,053,949	3,991,249
Books/Supplies	1,457,033	1,534,883	1,617,335	1,167,037
Contracted Services	621,419	992,076	1,094,696	786,361
Capitalized Expenditures	-	-	-	-
Other Outgo	157,064	11,550	554,868	894,751
Transfers Out	883	656,306	656,306	656,306
Total Expenditures	<u>\$ 16,357,821</u>	<u>\$ 18,201,402</u>	<u>\$ 19,028,971</u>	<u>\$ 17,991,330</u>
Revenue less Expenditures	\$ 127,126	\$ (649,707)	\$ (649,707)	\$ -
ENDING BALANCE	\$ 649,707	\$ -	\$ -	\$ -
RESERVES/RESTRICTIONS				
Categorical Restricted Revenue	\$ 24,253	\$ -	\$ -	\$ -
AB86 Planning Reserve	-	-	-	-
AB104 Consortium Funding	428,729	-	-	-
South Bay Adult Education Consortium/SWC	44,793	-	-	-
Total Restrictions/Reserves	<u>\$ 497,776</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
UNRESTRICTED RESERVE	<u>\$ 151,931</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Cafeteria Fund
2017-18 Proposed Budget

	2015-2016	2016-2017	2017-2018
	Audited Actuals	Estimated Actuals	Proposed Budget
BEGINNING BALANCE	\$ 134,125	\$ 123,258	\$ 910,291
REVENUES			
Federal Revenue	\$ 10,762,866	\$ 12,232,471	\$ 12,721,770
State Revenue	773,809	829,831	863,024
Local Revenue	1,478,224	1,409,014	1,548,575
Transfers In	79,581	582,359	-
Total Revenue	<u>\$ 13,094,480</u>	<u>\$ 15,053,675</u>	<u>\$ 15,133,369</u>
EXPENDITURES			
Classified Salaries/Benefits	\$ 7,015,149	\$ 7,497,149	\$ 8,117,968
Food Purchases/ General Supplies	5,611,594	6,268,157	6,611,239
Contracted Services	399,385	424,554	384,340
Capitalized Expenditures	-	76,782	-
Other Outgo	79,219	-	-
Total Expenditures	<u>\$ 13,105,347</u>	<u>\$ 14,266,642</u>	<u>\$ 15,113,547</u>
Net Surplus/Deficit	\$ (10,867)	\$ 787,033	\$ 19,822
ENDING BALANCE	\$ 123,258	\$ 910,291	\$ 930,113
RESERVES / RESTRICTIONS			
Cash	\$ 750	\$ -	\$ -
Stores	55,665	499,444	350,000
Total Restriction/Reserves	<u>\$ 56,415</u>	<u>\$ 499,444</u>	<u>\$ 350,000</u>
UNRESTRICTED RESERVE	<u>\$ 67,593</u>	<u>\$ 410,847</u>	<u>\$ 580,113</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Deferred Maintenance Fund
2017-18 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 6,336,820	\$ 4,985,421	\$ 4,985,421	\$ 3,734,563
REVENUE				
LCFF Source	\$ 1,603,800	\$ 1,603,800	\$ 1,603,800	\$ 1,603,800
Local Revenue	41,187	7,500	21,639	7,500
Transfers In	-	-	-	-
Total Revenue	<u>\$ 1,644,987</u>	<u>\$ 1,611,300</u>	<u>\$ 1,625,439</u>	<u>\$ 1,611,300</u>
EXPENDITURES				
Supplies/Minor Equipment (<\$20,000)	\$ 154,235	\$ 70,000	\$ 114,300	\$ -
Facility/Site Repairs	1,493,777	4,296,748	2,609,523	1,601,379
Facility/Site Construction	1,348,375	478,006	152,474	1,966,000
Lease Purchase (Debt Service)	-	-	-	-
Total Expenditures	<u>\$ 2,996,386</u>	<u>\$ 4,844,753</u>	<u>\$ 2,876,296</u>	<u>\$ 3,567,379</u>
Revenue less Expenditures	\$ (1,351,399)	\$ (3,233,453)	\$ (1,250,858)	\$ (1,956,079)
ENDING BALANCE	<u>\$ 4,985,421</u>	<u>\$ 1,751,968</u>	<u>\$ 3,734,563</u>	<u>\$ 1,778,484</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Building Fund
2017-18 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 12,555,488	\$ 70,174,705	\$ 70,174,705	\$ 61,779,206
REVENUE				
Proceeds from Bond Sale (Refunding)	\$ 265,710,000	\$ -	\$ -	\$ -
Other Sources (Debt Issuance Premium)	15,918,701	-	-	-
Transfers In (Debt Service Fund)	-	-	-	-
Local Revenue (Debt Issuance Interest)	40	-	-	-
Local Revenue	159,889	140,000	476,453	275,000
Transfers In	1,235,766	-	-	-
Total Revenue	<u>\$ 283,024,396</u>	<u>\$ 140,000</u>	<u>\$ 476,453</u>	<u>\$ 275,000</u>
EXPENDITURES				
Salaries and Benefits	\$ 806,260	\$ 915,025	\$ 1,104,662	\$ 739,006
Supplies/Minor Equipment (<\$20,000)	282,918	618,972	311,150	332,180
Services/Administrative	818,124	3,586,755	2,416,638	136,623
Facility/Site Construction	2,620,905	32,877,138	5,039,502	53,908,938
Debt Service (BAN 2013)	749,500	-	-	-
Transfers Out	9,345	-	-	-
Services/Administrative (Debt Issuance)	1,969,259	-	-	-
Debt Service (Refunding/Discount)	218,148,868	-	-	-
Other Outgo (Debt Service Fund)	-	-	-	-
Total Expenditures	<u>\$ 225,405,179</u>	<u>\$ 37,997,890</u>	<u>\$ 8,871,952</u>	<u>\$ 55,116,747</u>
Revenue less Expenditures	\$ 57,619,217	\$ (37,857,890)	\$ (8,395,499)	\$ (54,841,747)
ENDING BALANCE	<u>\$ 70,174,705</u>	<u>\$ 32,316,815</u>	<u>\$ 61,779,206</u>	<u>\$ 6,937,459</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Capital Facilities Fund
2017-18 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 669,962	\$ 1,434,845	\$ 1,434,845	\$ 3,855,000
REVENUE				
Developer Fees	\$ 801,037	\$ 316,898	\$ 1,712,621	\$ 500,000
Other Local Revenue	4,588	3,000	22,090	3,000
Transfers In	-		1,107,969	-
Total Revenue	<u>\$ 805,625</u>	<u>\$ 319,898</u>	<u>\$ 2,842,680</u>	<u>\$ 503,000</u>
EXPENDITURES				
Supplies	\$ -	\$ -	\$ -	\$ 219,000
Services/Administrative/Lease	15,916	8,500	19,330	229,765
Facility/Site Construction	-	660,000	393,688	1,287,812
Other Outgo	24,827	9,507	9,507	15,000
Total Expenditures	<u>\$ 40,743</u>	<u>\$ 678,007</u>	<u>\$ 422,525</u>	<u>\$ 1,751,577</u>
Revenue less Expenditures	\$ 764,882	\$ (358,109)	\$ 2,420,156	\$ (1,248,577)
ENDING BALANCE	<u>\$ 1,434,845</u>	<u>\$ 1,076,736</u>	<u>\$ 3,855,000</u>	<u>\$ 2,606,423</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
County School Facilities Fund
2017-18 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 29,558,594	\$ 27,666,516	\$ 27,666,516	\$ 20,663,618
REVENUE				
State Revenue	\$ (259,648)	\$ -	\$ -	\$ -
Local Revenue	169,221	80,000	75,198	80,000
Transfers In	-	-	-	-
Total Revenue	<u>\$ (90,427)</u>	<u>\$ 80,000</u>	<u>\$ 75,198</u>	<u>\$ 80,000</u>
EXPENDITURES				
Supplies	\$ 89,904	\$ 153,810	\$ 78,995	\$ 91,201
Facility/Site Repairs/Services	1,199	2,883,963	2,866,503	15,161
Facility/Site Construction	500,578	14,155,475	3,024,628	11,161,633
Other Outgo	1,209,970	-	1,107,970	-
Total Expenditures	<u>\$ 1,801,651</u>	<u>\$ 17,193,248</u>	<u>\$ 7,078,096</u>	<u>\$ 11,267,995</u>
Revenue less Expenditures	\$ (1,892,078)	\$ (17,113,248)	\$ (7,002,898)	\$ (11,187,995)
ENDING BALANCE	<u>\$ 27,666,516</u>	<u>\$ 10,553,268</u>	<u>\$ 20,663,618</u>	<u>\$ 9,475,623</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Special Reserve Fund
2017-18 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 13,349,399	\$ 13,521,251	\$ 13,521,251	\$ 17,528,268
REVENUE				
Proceeds from Bond Sale	\$ -	\$ 35,690,000	\$ 35,690,000	\$ -
State Revenue	-	-	-	-
Local Revenue	1,501,578	1,169,000	9,694,000	1,468,000
Transfers In	-	-	-	-
Total Revenue	<u>\$ 1,501,578</u>	<u>\$ 36,859,000</u>	<u>\$ 45,384,000</u>	<u>\$ 1,468,000</u>
EXPENDITURES				
Supplies	\$ -	\$ 25,400	\$ 2,437,066	\$ 15,767
Contracted Expense	1,203,667	2,157,834	3,801,972	424,993
Site/Facility Expense	-	-	-	-
Capitalized Expenditures	66,764	34,449,237	34,635,701	637,031
Debt Service Expense	59,296	50,000	502,244	2,561,855
Other Outgo	-	-	-	-
Total Expenditures	<u>\$ 1,329,727</u>	<u>\$ 36,682,472</u>	<u>\$ 41,376,983</u>	<u>\$ 3,639,645</u>
Net Surplus/Deficit	\$ 171,852	\$ 176,529	\$ 4,007,017	\$ (2,171,645)
ENDING BALANCE	<u>\$ 13,521,251</u>	<u>\$ 13,697,779</u>	<u>\$ 17,528,268</u>	<u>\$ 15,356,623</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT

Community Facilities Districts

2017-18 Proposed Budget

	2015-16 Actuals	2016-17 Second Interim	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 136,443,042	\$ 143,487,898	\$ 143,487,898	\$ 129,410,396
REVENUE				
Proceeds from Debt Issuance	\$ -	\$ -	\$ 35,515,000.00	\$ -
Other Sources (Debt Issuance Premium)	-	-	4,053,458.25	-
Tax Revenue	25,146,103	24,397,277	26,637,190	25,201,822
Penalties	92,569	92,738	103,174	-
Interest	544,985	420,000	745,960	250,000
Local Revenue	750	-	-	-
Transfers In	70,738	-	-	-
Total Revenue	<u>\$ 25,855,145</u>	<u>\$ 24,910,015</u>	<u>\$ 67,054,783</u>	<u>\$ 25,451,822</u>
EXPENDITURES				
Salaries and Benefits (Construction and Admin)	\$ 422,140	\$ 706,156	\$ 690,906	\$ 395,685
Supplies	882.00	-	-	-
Services/Administrative	696,437	380,567	194,019	158,489
Construction: Supplies/Minor Equipment (<\$20,000)	184,995	66,141	24,923	209,443
Construction: Services/Lease/Repairs	324,946	486,818	1,192,053	365,979
Construction: Facility/Site Construction	2,722,905	4,717,264	2,064,575	2,702,689
Construction: Capital Outlay/Major Equipment	-	-	-	-
Debt Service Expense	14,457,984	15,514,711	76,965,809	12,983,507
Total Expenditures	<u>\$ 18,810,289</u>	<u>\$ 21,871,657</u>	<u>\$ 81,132,285</u>	<u>\$ 16,815,792</u>
Revenue less Expenditures	\$ 7,044,856	\$ 3,038,358	\$ (14,077,502)	\$ 8,636,030
ENDING BALANCE	<u>\$ 143,487,898</u>	<u>\$ 146,526,257</u>	<u>\$ 129,410,396</u>	<u>\$ 138,046,426</u>

SWEETWATER UNION HIGH SCHOOL DISTRICT
Foundation Trust Fund
2017-18 Proposed Budget

	2015-16 Actuals	2016-17 Estimated Actuals	2017-18 Proposed Budget
BEGINNING BALANCE	\$ 12,614	\$ 12,699	\$ 12,792
REVENUE			
Local Revenue	\$ 85	\$ 93	\$ 95
Total Revenue	<u>\$ 85</u>	<u>\$ 93</u>	<u>\$ 95</u>
EXPENDITURES			
Scholarship Expense	\$ -	\$ -	\$ -
Services/Administrative Expense	-	-	-
Total Expenditures	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Revenue less Expenditures	\$ 85	\$ 93	\$ 95
ENDING BALANCE	<u>\$ 12,699</u>	<u>\$ 12,792</u>	<u>\$ 12,887</u>



June 26, 2017

Board Item - K.-3.

Issue:

Actuarial Valuation Study.

Superintendent's Recommendation:

Approve Actuarial Valuation Study.

Analysis:

At the September 26, 2016, meeting of the board of trustees, consultant Nyhart-Epler was approved for the purpose of providing an actuarial valuation study. This study is a requirement of the Government Accounting Standards Board (GASB). GASB Statement Nos. 43 and 45 require actuarial valuation of other postemployment benefits (OPEB) offered by the district to be performed on a biennial basis to update the liability and expense for these benefits. The actuarial report will be in effect for two years.

For questions regarding this board item, please contact Karen Michel at 619/691-5550 or karen.michel@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
 Actuarial Valuation Report	Backup Material



**Sweetwater Union High School District
GASB 45 Actuarial Valuation
Retiree Health Program
As of July 1, 2016**

January 2017

Prepared By:

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**Sweetwater Union High School District
GASB 45 Actuarial Valuation
Retiree Health Program
As of July 1, 2016**

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SECTION I. EXECUTIVE SUMMARY

Background

The Sweetwater Union High School District (the "District") selected Nyhart to perform an actuarial valuation of its retiree health program. The purpose of the actuarial valuation is to measure the District's liability for retiree health benefits and to determine the District's accounting requirements for other post-employment benefits (OPEB) under Governmental Accounting Standards Board Statement No. 45 (GASB 45). GASB 45 requires accrual accounting for the expensing of OPEB. The expense is generally accrued over the working career of employees.

The District currently provides retiree health benefits to age 65 to 269 eligible retirees. In addition, approximately 3,876 active employees are earning service credit towards eligibility for future retiree benefits. An employee must be at least age 55 and have at least 15 years of service at retirement to be eligible for retiree health benefits. The District's contribution is subject to an annual maximum similar to that of current active employees. Section IV of the report details the plan provisions that were included in the valuation and the current premium costs for coverage.

Premiums that are charged to retirees for retiree and dependent medical coverage under age 65 are the same as the premiums charged for active medical coverage. Thus, the District is also providing a "rate subsidy" to the retirees by charging for coverage based on a blended rate rather than a retiree only rate. GASB 45 requires that when an employer provides benefits to both active employees and retirees through the same plans, the benefits to retirees should be segregated and measured independently. This requires valuing any "rate subsidy" as an additional financial obligation to the District for GASB purposes. In past valuations the liability for the implicit rate subsidy was excluded from the valuation as GASB had provided for an exemption for community-rated plans. GASB 45 also requires that valuations are performed in accordance with actuarial standards of practice (ASOP). This valuation includes an estimate of the liability for the implicit rate subsidy in accordance with recent changes to ASOPs related to retiree health care costs.

Results of the Retiree Health Valuation

We have determined that the amount of the actuarial liability for the District's retiree health plan, as of July 1, 2016, is \$174,733,532 (including \$122,245,112 for the District's explicit contribution and \$52,488,420 for the implicit rate subsidy). This represents the present value of all benefits projected to be paid by the District (net of retiree contributions) for current and future retirees. If the District were to place this amount in a fund earning interest at the rate of 4% per year, and all other actuarial assumptions were met, the fund would have enough to pay all expected benefits. This includes benefits for the current retirees as well as the current active employees expected to retire in the future. The valuation does not consider employees not yet hired as of the valuation date.

If the amount of the actuarial liability is apportioned into past service, current service and future service components; the past service component (actuarial accrued liability) is \$102,050,003 (including \$71,428,876 for the District's explicit contribution and \$30,621,127 for the implicit rate subsidy), the current service component (normal cost or current year accrual) is \$6,194,952 (including \$4,327,124 for the District's explicit contribution and \$1,867,828 for the implicit rate subsidy) and the future service component (not yet accrued liability) is \$66,488,577 (including \$46,489,112 for the District's explicit contribution and \$19,999,465 for the implicit rate subsidy).



Changes from Prior Valuation

The valuation was performed using updated plan, premium rates and census information provided by the District. The valuation reflects updates to the retirement rates and a lowering of the discount rate to 4.0%. In addition, the valuation now includes a liability for the implicit rate subsidy in accordance with recent changes to applicable ASOPs. A reconciliation of the approximate change in the actuarial accrued liability from the prior valuation is provided in the following table:

July 1, 2014 Valuation @4.5%	\$ 62.5 M
Increase due to passage of time (interest plus additional accruals less benefits paid)	5.0 M
Increase due to new entrants (not included in prior valuation)	3.4 M
Increase due to net experience gain (primarily changes to the applicable health care maximum & inclusion of dental & vision for all employees with 25 years of service)	2.7 M
Decrease due to updates to retirement rates	(7.2 M)
Increase due to lowering of discount rate from 4.5% to 4.0%	3.8 M
July 1, 2016 Valuation @4.0%	\$ 70.2 M
Increase due to inclusion of implicit rates subsidy	30.6 M
July 1, 2016 Valuation @4.0%	\$100.8 M

Annual Required Contribution (ARC)

Under GASB 45, the District is required to expense for its retiree benefits using accrual accounting. The accrual expense or annual required contribution under GASB terminology is generally accrued over the working career of employees. The annual required contribution for the District's 2016/2017 fiscal year is \$13,311,639 (including \$9,308,019 for the District's explicit contribution and \$4,003,620 for the implicit rate subsidy). This amount is comprised of the present value of benefits accruing in the fiscal year (normal cost) plus a 21-year amortization (on a level-dollar basis) of the unfunded actuarial accrued liability (past service liability). Thus, it represents a means to expense the plan's liabilities in an orderly manner. The additional net OPEB obligation at the end of the fiscal year will reflect any actual retiree health contributions or premiums paid by the District during the period including amounts for the implicit rate subsidy and prefunding retiree health benefits.

Funding

The District has not informed us of any funds eligible as plan assets under GASB 45. Under GASB 45, assets cannot be considered as employer contributions or plan assets unless they are segregated for exclusive use for retiree health benefit payments and secured from creditors of the District. The District's unfunded actuarial accrued liability (UAAL) at July 1, 2016 is \$102,050,003 (including \$71,428,876 for the District's explicit contribution and \$30,621,127 for the implicit rate subsidy).

The estimated District contribution amount for retiree health benefits for the 2016/2017 fiscal year is approximately \$4,310,400 (including \$1,238,275 for the implicit rate subsidy). This amount includes payments for employees expected to retire during the 2016/2017 fiscal year.

The District funds its retiree health program on a pay-as-you-go basis. Section II-H provides the impact if the District were to prefund for its retiree health benefits in a GASB eligible trust.



Actuarial Basis

The actuarial valuation is based on the assumptions and methods outlined in Section VI of the report. To the extent that a single or a combination of assumptions is not met, the future liability may fluctuate significantly from its current measurement. As an example, the healthcare cost increase anticipates that the rate of increase in medical cost will be at moderate levels and decline over several years. Increases higher than assumed would bring larger liabilities and expensing requirements. A 1% increase in the healthcare trend rate for each future year would result in an increase of 13% in the annual required contribution.

Another key assumption used in the valuation is the discount (interest) rate which is based on the expected rate of return of plan assets. The valuation is based on a discount rate of 4%. A 1% decrease in the discount rate would increase the annual required contribution by 8%. A 1% increase in the discount rate would decrease the annual required contribution by 7%.

GASB 45 requires that implicit rate subsidies be considered in the valuation of medical costs. An implicit rate subsidy occurs when the rates for retirees are the same as for active employees. Since pre-Medicare retirees are typically much older than active employees, their actual medical costs are almost always higher than for active employees. The valuation results were determined using the higher expected costs associated with retired employees assuming that the underlying morbidity is similar to other similarly situated California-based plans.

Scheduled to take effect in 2020, the "Cadillac Tax" is a 40% non-deductible excise tax on employer-sponsored health coverage that provides high-cost benefits. For insured plans, the insurance company is responsible for payment of the excise tax. For self-funded plans, the employer is responsible for payment of the excise tax. The valuation does not include any additional liability for the Cadillac Tax.

The valuation is based on the census information provided by the District. To the extent that the data provided lacks clarity in interpretation or is missing relevant information, this can result in liabilities different than those presented in the report. Often missing or unclear information is not identified until future valuations.



SECTION II. FINANCIAL RESULTS

A. Valuation Results as of July 1, 2016

The table below presents the employer liabilities associated with the District's retiree health benefits determined in accordance with GASB 43 & 45. The actuarial liability is the present value of all benefits projected to be paid under the program. The actuarial accrued liability reflects the amount attributable to the past service of current employees and retirees. The normal cost reflects the accrual attributable for the current period.

	Certificated Employees	Classified Employees	Management, Confidential & Supervisors	District Total
1. Actuarial Liability (AL)				
Actives	\$95,611,729	\$57,252,072	\$10,403,220	\$163,267,021
Retirees	<u>4,365,884</u>	<u>5,678,240</u>	<u>1,422,387</u>	<u>11,466,511</u>
Total AL	\$99,977,613	\$62,930,312	\$11,825,607	\$174,733,532
Attributable to Subsidy	\$30,017,077	\$18,902,455	\$ 3,568,888	\$ 52,488,420
District Explicit Contribution	\$69,960,536	\$44,027,857	\$ 8,256,719	\$122,245,112
2. Actuarial Accrued Liability (AAL)				
Actives	\$52,550,807	\$31,886,456	\$ 6,146,229	\$ 90,583,492
Retirees	<u>4,365,884</u>	<u>5,678,240</u>	<u>1,422,387</u>	<u>11,466,511</u>
Total AAL	\$56,916,691	\$37,564,696	\$ 7,568,616	\$102,050,003
Attributable to Subsidy	\$17,055,228	\$11,295,521	\$ 2,270,378	\$ 30,621,127
District Explicit Contribution	\$39,861,463	\$26,269,175	\$ 5,298,238	\$ 71,428,876
3. Normal Cost	\$ 3,539,635	\$ 2,276,800	\$ 378,517	\$ 6,194,952
Attributable to Subsidy	\$ 1,066,845	\$ 686,103	\$ 114,880	\$ 1,867,828
District Explicit Contribution	\$ 2,472,790	\$ 1,590,697	\$ 263,637	\$ 4,327,124
No. of Active Employees	2,164	1,507	205	3,876
Average Age	45.1	46.4	47.0	45.7
Average Past Service	14.0	12.8	15.8	13.6
No. of Retired Employees	146	90	33	269
Average Age	62.2	61.3	62.1	61.9
Average Retirement Age	58.8	57.4	58.0	58.3

B. Development of Unfunded Actuarial Accrued Liability

The table below presents the development of the unfunded actuarial accrued liability. The unfunded actuarial accrued liability is the excess of the actuarial accrued liability (AAL) over the actuarial value of eligible plan assets. Eligible assets under GASB 45 must be segregated and secured for the exclusive purpose of paying for the retiree health benefits.

	Explicit	Implicit	Total
1. Actuarial Accrued Liability (AAL)	\$71,428,876	\$30,621,127	\$102,050,003
2. Actuarial Value of Assets	(0)	(0)	(0)
3. Unfunded AAL	\$71,428,876	\$30,621,127	\$102,050,003



C. Amortization of Unfunded Actuarial Accrued Liability

The amortization of the unfunded actuarial accrued liability component of the annual contribution (ARC) is being amortized over a period of 21 years on a level-dollar method. Under the level-dollar method, the amortization payment is scheduled to remain constant in future years.

	<u>Explicit</u>	<u>Implicit</u>	<u>Total</u>
1. Unfunded AAL (UAAL)	\$71,428,876	\$30,621,127	\$102,050,003
2. Amortization Factor	14.85684	14.85684	14.85684
3. Amortization of UAAL	\$ 4,807,810	\$ 2,061,079	\$ 6,868,889

D. Annual Required Contribution (ARC) and Actuarially Determined Contribution (ADC)

The table below presents the development of the annual required contribution (ARC) under GASB 45 for the fiscal year ending June 30, 2017 and an actuarially determined contribution for the fiscal year ending June 30, 2018.

FY2016/2017

1. Normal Cost at End of Fiscal Year	\$ 4,500,209	\$ 1,942,541	\$ 6,442,750
2. Amortization of UAAL	<u>4,807,810</u>	<u>2,061,079</u>	<u>6,868,889</u>
3. Annual Required Contribution (ARC)	\$ 9,308,019	\$ 4,003,620	\$ 13,311,639

FY2017/2018

1. Normal Cost at End of Fiscal Year	\$ 4,680,217	\$ 2,020,243	\$ 6,700,460
2. Amortization of UAAL	<u>4,807,810</u>	<u>2,061,079</u>	<u>6,868,889</u>
3. Actuarially Determined Contribution (ADC)	\$ 9,488,027	\$ 4,081,322	\$ 13,569,349

* The District will be required to expense under GASB 75 for its fiscal year 2017/2018; the actuarially determined contribution reflects the contribution that could be made to prefund the retiree benefit obligation.

E. Estimated Net OPEB Obligation at June 30, 2017

The table below shows an estimate of the net OPEB obligation at the end of the current fiscal year assuming the District's net OPEB obligation at June 30, 2016 is \$35,406,074 and the District contributions for the fiscal year ending June 30, 2017 equal \$4,310,400 (including \$1,238,275 for the implied rate subsidy).

1. Annual Required Contribution (ARC)	\$13,311,639
2. Interest on Net OPEB Obligation [E7 x .04]	1,416,243
3. Adjustment to ARC [minus E7/C2]	(2,383,149)
4. Annual OPEB Cost	\$12,344,732
5. Expected Employer Contributions* Made (Inclusive of Benefit Payments & Implied Rate Subsidy)	(4,310,400)
6. Increase in Net OPEB Obligation	\$ 8,034,332
7. Net OPEB Obligation – June 30, 2016	<u>35,406,074</u>
8. Net OPEB Obligation – June 30, 2017	\$43,440,406

*Actual payments made by the District should be reflected at year end.



F. Required Supplementary Information (Funding Progress @July 1, 2016)

The table below presents a sample disclosure of the funding progress as of July 1, 2016.

	<u>Total</u>
1. Actuarial Accrued Liability (AAL)	\$102,050,003
2. Actuarial Valuation of Assets	(0)
3. Unfunded AAL	\$102,050,003
4. Funded Ratio	0%
5. Current Payroll	NA
6. UAAL as % of Payroll	NA

G. Sensitivity Analysis:

The impact of a 1% decrease or increase in the discount (interest) rate and the impact of a 1% increase in future healthcare trend rates on the District's actuarial liability, actuarial accrued liability, unfunded actuarial accrued liability and the annual required contribution is provided below:

	Dollar (\$) Increase/ (Decrease)	Percentage (%) Increase/ (Decrease)
<i>1% Decrease in Discount Rate</i>		
- Actuarial Liability	\$29,468,156	17%
- Actuarial Accrued Liability	\$12,555,783	12%
- Unfunded Actuarial Accrued Liability	\$12,555,783	12%
- Annual Required Contribution	\$ 1,118,147	8%
<i>1% Increase in Discount Rate</i>		
- Actuarial Liability	(\$23,850,390)	(14%)
- Actuarial Accrued Liability	(\$10,588,511)	(10%)
- Unfunded Actuarial Accrued Liability	(\$10,588,511)	(10%)
- Annual Required Contribution	(\$ 922,627)	(7%)
<i>1% Increase in Future Healthcare Trend Rates</i>		
- Actuarial Liability	\$26,950,731	15%
- Actuarial Accrued Liability	\$11,239,464	11%
- Unfunded Actuarial Accrued Liability	\$11,239,464	11%
- Annual Required Contribution	\$ 1,752,901	13%



H. Liabilities - Alternative Discount Rates

The District also requested the measurement of the liability and annual required contribution assuming that the District prefunds for retiree health benefits through a GASB eligible trust assuming an investment policy with a target rate of return equal to 7.0%. The impact on the accounting results are presented below:

	<u>Explicit</u>	<u>Implicit</u>	<u>Total</u>
1. Actuarial Liability (AL)			
Actives	\$73,299,426	\$31,405,577	\$104,705,003
Retirees	<u>7,553,195</u>	<u>3,139,772</u>	<u>10,692,967</u>
Total AL	\$80,852,621	\$34,545,349	\$115,397,970
2. Actuarial Accrued Liability (AAL)			
Actives	\$44,862,248	\$19,237,927	\$ 64,100,175
Retirees	<u>7,553,195</u>	<u>3,139,772</u>	<u>10,692,967</u>
Total AAL	\$52,415,443	\$22,377,699	\$ 74,793,142
3. Actuarial Value of Assets	(0)	(0)	(0)
4. Unfunded AAL (UAAL)	\$52,415,443	\$22,377,699	\$ 74,793,142
5. Amortization Factor	11.272187	11.272187	11.272187
6. Amortization of UAAL	\$ 4,649,980	\$ 1,985,214	\$ 6,635,194
<u>FY2016/2017 Annual Required Contribution (ARC)</u>			
1. Normal Cost at End of Year	\$ 3,038,206	\$ 1,306,273	\$ 4,344,479
2. Amortization of UAAL at End of Year	<u>4,649,980</u>	<u>1,985,214</u>	<u>6,635,194</u>
3. Annual Required Contribution (ARC)	\$ 7,688,186	\$ 3,291,487	\$ 10,979,673
<u>FY2017/2018 Actuarially Determined Contribution (ADC)</u>			
1. Normal Cost at End of Year	\$ 3,250,881	\$ 1,397,712	\$ 4,648,593
2. Amortization of UAAL at End of Year	<u>4,649,980</u>	<u>1,985,214</u>	<u>6,635,194</u>
3. Actuarially Determined Contribution (ADC)	\$ 7,900,861	\$ 3,382,926	\$ 11,283,787

* The District will be required to expense under GASB 75 for its fiscal year 2017/2018; the actuarially determined contribution reflects the contribution that could be made to prefund the retiree benefit obligation.



SECTION III. PROJECTED CASH FLOWS

The valuation process includes the projection of the expected benefits to be paid under the District's retiree health benefits program. The expected cash flows takes into account the likelihood of each employee reaching age for eligibility to retire and receive health benefits. The projection is performed by applying the turnover assumption to each active employee for the period between the valuation date and early retirement date. Once the employees reach the earliest retirement date, a certain percent are assumed to enter the retiree group each year. All remaining employees are assumed to have retired by age 65 at the latest. Employees already over age 65 as of the valuation date are assumed to retire immediately. The per capita cost as of the valuation date is projected to increase at the applicable healthcare trend rates both before and after the employee's assumed retirement. The projected per capita costs are multiplied by the number of expected future retirees in a given future year to arrive at the cash flow for that year. Also, a certain number of retirees will leave the group each year due to expected deaths or reaching a limit age and this group will cease to be included in the cash flow from that point forward. Because this is a closed-group valuation, the number of retirees dying each year will eventually exceed the number of new retirees, and the size of the cash flow will begin to decrease and eventually go to zero.

The expected employer cash flows for selected future years are provided in the following table.



Projected Employer Cash Flows – Representative Years

<u>Fiscal</u> <u>Year</u>	<u>Future</u> <u>Retirees</u>	<u>Retired</u> <u>Employees</u>	<u>Total</u>	<u>Subsidy</u>	<u>District</u> <u>Total</u>
2016/17	\$ 509,965	\$2,562,160	\$ 3,072,125	\$ 1,238,275	\$ 4,310,400
2017/18	\$ 1,442,938	\$1,881,590	\$ 3,324,528	\$ 1,367,276	\$ 4,691,804
2018/19	\$ 2,331,415	\$1,410,258	\$ 3,741,673	\$ 1,562,151	\$ 5,303,824
2019/20	\$ 3,137,641	\$ 996,670	\$ 4,134,311	\$ 1,754,718	\$ 5,889,029
2020/21	\$ 3,826,226	\$ 711,480	\$ 4,537,706	\$ 1,929,375	\$ 6,467,081
2021/22	\$ 4,389,187	\$ 491,133	\$ 4,880,320	\$ 2,074,893	\$ 6,955,213
2022/23	\$ 4,849,503	\$ 349,375	\$ 5,198,878	\$ 2,215,587	\$ 7,414,465
2023/24	\$ 5,185,558	\$ 223,472	\$ 5,409,030	\$ 2,302,277	\$ 7,711,307
2024/25	\$ 5,468,323	\$ 121,822	\$ 5,590,145	\$ 2,356,985	\$ 7,947,130
2025/26	\$ 5,984,589	\$ 94,352	\$ 6,078,941	\$ 2,559,103	\$ 8,638,044
2026/27	\$ 6,681,288	\$ 43,490	\$ 6,724,778	\$ 2,854,272	\$ 9,579,050
2027/28	\$ 6,999,228	\$ 45,371	\$ 7,044,599	\$ 2,979,677	\$ 10,024,276
2028/29	\$ 7,351,785	\$ 36,628	\$ 7,388,413	\$ 3,116,418	\$ 10,504,831
2029/30	\$ 7,970,963	\$ -	\$ 7,970,963	\$ 3,373,976	\$ 11,344,939
2030/31	\$ 8,458,982	\$ -	\$ 8,458,982	\$ 3,623,376	\$ 12,082,358
2031/32	\$ 8,754,655	\$ -	\$ 8,754,655	\$ 3,735,888	\$ 12,490,543
2032/33	\$ 9,033,421	\$ -	\$ 9,033,421	\$ 3,890,180	\$ 12,923,601
2033/34	\$ 9,443,879	\$ -	\$ 9,443,879	\$ 4,088,342	\$ 13,532,221
2034/35	\$ 9,703,864	\$ -	\$ 9,703,864	\$ 4,213,938	\$ 13,917,802
2035/36	\$ 9,403,055	\$ -	\$ 9,403,055	\$ 4,097,569	\$ 13,500,624
2036/37	\$ 9,672,504	\$ -	\$ 9,672,504	\$ 4,209,852	\$ 13,882,356
2037/38	\$ 9,243,127	\$ -	\$ 9,243,127	\$ 4,026,113	\$ 13,269,240
2038/39	\$ 8,967,251	\$ -	\$ 8,967,251	\$ 3,887,338	\$ 12,854,589
2039/40	\$ 8,545,793	\$ -	\$ 8,545,793	\$ 3,713,635	\$ 12,259,428
2040/41	\$ 8,037,634	\$ -	\$ 8,037,634	\$ 3,490,267	\$ 11,527,901
2041/42	\$ 7,939,831	\$ -	\$ 7,939,831	\$ 3,477,605	\$ 11,417,436
2042/43	\$ 7,306,319	\$ -	\$ 7,306,319	\$ 3,210,675	\$ 10,516,994
2043/44	\$ 6,958,869	\$ -	\$ 6,958,869	\$ 3,078,304	\$ 10,037,173
2044/45	\$ 6,374,439	\$ -	\$ 6,374,439	\$ 2,817,553	\$ 9,191,992
2045/46	\$ 5,814,570	\$ -	\$ 5,814,570	\$ 2,550,048	\$ 8,364,618
2050/51	\$ 3,388,190	\$ -	\$ 3,388,190	\$ 1,529,007	\$ 4,917,197
2055/56	\$ 1,008,081	\$ -	\$ 1,008,081	\$ 469,777	\$ 1,477,858
2060/61	\$ 28,891	\$ -	\$ 28,891	\$ 13,358	\$ 42,249
2065/66	\$ -	\$ -	\$ -	\$ -	\$ -
All Years	\$232,348,147	\$8,967,801	\$241,315,948	\$104,404,861	\$345,720,809



SECTION IV. BENEFIT PLAN PROVISIONS

This study analyzes the postretirement health benefit plans provided by the District. The postretirement health plans and the District's obligation vary by employee group as described below.

Certificated, Classified & Other Non-Management Employees With Less Than 25 Years of Service

The District provides retiree medical benefits (including prescription drug benefits) to eligible retirees and their dependents. The District's financial obligation is to pay for retiree medical coverage to age 65 (Medicare eligibility). The District pays up to 100% of the cost for retiree's elected medical coverage up to an annual maximum. The annual maximum is based on the active employee annual medical maximum for medical benefits only and varies by family coverage tier. The retiree pays for any amounts above the District's contribution. The District does not provide any retiree health benefits beyond age 65 or Medicare eligibility, if earlier. No dental and vision coverage is available except through COBRA.

Eligibility for retiree health coverage requires retirement from the District under STRS/PERS on or after age 55 with at least 15 years of total District service. Disability coverage may be available for up to 10 years. Dependent coverage (except COBRA continuation) ceases a year after the death of the retiree or when the retiree would have reached age 65, if earlier. Effective January 1, 2006 spouses over 65 are not covered under the retiree's health plan.

Management Employees & All Other Employees With at Least 25 Years of Service

The District provides retiree medical benefits (including prescription drug benefits), dental benefits, vision benefits and life benefits to eligible retirees and their dependents. The District's financial obligation is to pay for the retiree and dependent coverage to age 65 (Medicare eligibility). The District pays up to 100% of the cost for retiree's elected coverages up to an annual maximum. The annual maximum is based on the active employee annual maximum. The current total maximum is \$14,130 for all family coverage tiers. The retiree pays for any amounts above the District's contribution. The District does not provide any retiree health benefits beyond age 65 or Medicare eligibility, if earlier.

Eligibility for retiree health coverage requires retirement from the District under STRS/PERS on or after age 55 with at least 15 years of total District service. Supervisors must have at least 15 years of District service and 25 years of total service. Disability coverage may be available for up to 10 years. The retiree pays for any amounts above the District's contribution. Dependent coverage (except COBRA continuation) ceases a year after the death of the retiree or when the retiree reaches age 65, if earlier. Effective January 1, 2006 spouses over 65 are not covered under the retiree's health plan.

Board Members

The District provides continuation of medical benefits (including prescription drug benefits), dental benefits, vision benefits and life benefits to eligible retired Board Members and their dependents. Eligibility requires at least 12 years of consecutive service on the Board at retirement. The eligible Board Member is required to pay the full cost of continuing coverage at retirement.



Premium Rates

The District participates in the Southern California Schools VEBA which has communicated to the District that it is a community-rated plan. In general, participating employers' rates are based on the experience of the pool. Premium rates may vary by coverage tier and Medicare eligibility. The following tables summarize the monthly premiums for the primary health plans in which the retirees are enrolled.

Medical Plans

2016	Single	Two-Party	Family
Kaiser \$5	\$ 546.00	\$1,078.00	\$1,521.00
Kaiser \$5 – With Acupuncture	\$ 547.00	\$1,081.00	\$1,524.00
Kaiser \$10	\$ 529.00	\$1,044.00	\$1,473.00
Kaiser \$10 – With Acupuncture	\$ 530.00	\$1,047.00	\$1,476.00
UHC A Network 1 – With Acupuncture	\$ 645.00	\$1,264.00	\$1,773.00
UHC A Network 2 – With Acupuncture	\$ 863.00	\$1,696.00	\$2,382.00
UHC A Network 3 – With Acupuncture	\$1,022.00	\$2,009.00	\$2,825.00
UHC D Network 1 – With Acupuncture	\$ 619.00	\$1,213.00	\$1,702.00
UHC D Network 2 – With Acupuncture	\$ 776.00	\$1,523.00	\$2,140.00
UHC D Network 3 – With Acupuncture	\$ 904.00	\$1,777.00	\$2,497.00
UHC A Network 1	\$ 644.00	\$1,261.00	\$1,770.00
UHC A Network 2	\$ 862.00	\$1,694.00	\$2,380.00
UHC A Network 3	\$1,021.00	\$2,008.00	\$2,823.00
UHC PPO SD - 1	\$1,069.00	\$2,094.00	\$2,930.00
UHC PPO SD - 2	\$1,118.00	\$2,174.00	\$3,040.00
UHC Alliance HMO	\$ 787.00	\$1,514.00	\$2,112.00
SIMNSA	\$ 211.00	\$ 370.00	\$ 547.00

2017	Single	Two-Party	Family
Kaiser \$5 – With Acupuncture	\$ 584.00	\$1,154.00	\$1,626.00
Kaiser \$10 – With Acupuncture	\$ 566.00	\$1,118.00	\$1,574.00
UHC D Network 1	\$ 636.00	\$1,243.00	\$1,742.00
UHC D Network 2	\$ 797.00	\$1,560.00	\$2,191.00
UHC D Network 3	\$ 944.00	\$1,849.00	\$2,598.00
UHC A Network 1	\$ 659.00	\$1,290.00	\$1,809.00
UHC A Network 2	\$ 883.00	\$1,732.00	\$2,432.00
UHC A Network 3	\$1,002.00	\$1,965.00	\$2,762.00
UHC PPO SD - 1	\$1,260.00	\$2,472.00	\$3,462.00
UHC PPO SD - 2	\$1,314.00	\$2,561.00	\$3,584.00
UHC Alliance HMO - 500	\$ 721.00	\$1,373.00	\$1,908.00
UHC Alliance HMO - 1200	\$ 803.00	\$1,478.00	\$2,030.00
SIMNSA	\$ 219.00	\$ 383.00	\$ 563.00



Dental & Vision Plans

2016	Delta Dental	Safeguard	Vision Plan
Single	\$ 51.12	\$22.17	\$ 7.68
Two-Party	\$ 99.39	\$42.13	\$15.37
Family	\$169.55	\$58.77	\$24.74

2017	Delta Dental	Safeguard	Vision Plan
Single	\$ 49.75	\$18.75	\$ 7.68
Two-Party	\$ 99.85	\$34.25	\$15.37
Family	\$168.15	\$54.15	\$24.74

SECTION V. VALUATION DATA

The valuation was based on the census furnished to us by the District. The following tables display the age distribution for retirees and the age/service distribution for active employees as of the Measurement Date.

Age Distribution of Eligible Retired Participants & Beneficiaries

	Certificated	Classified	Management & Others	Total
<55	1	3	0	4
55-59	17	22	4	43
60-64	128	65	29	222
65+	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total:	146	90	33	269
Opt Outs Included	5	2	0	7
Average Age:	62.2	61.3	62.1	61.9
Average Retirement Age:	58.8	57.4	58.0	58.3

Age/Service Distribution of All Active Benefit Eligible Employees

Age	Service									Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
20-24	89	3								92
25-29	207	52	15							274
30-34	136	128	94	13						371
35-39	111	105	223	81	10					530
40-44	91	92	182	193	56					614
45-49	54	71	135	143	124	34	3			564
50-54	46	50	121	101	79	74	31	4		506
55-59	32	44	86	86	63	81	63	22	1	478
60-64	14	30	56	84	39	39	27	13	7	309
65-69	5	12	23	26	21	12	6	1	6	112
70+	<u>1</u>	<u>2</u>	<u>5</u>	<u>7</u>	<u>0</u>	<u>4</u>	<u>1</u>	<u>2</u>	<u>4</u>	<u>26</u>
Total:	786	589	940	734	392	244	131	42	18	3,876
Average Age:			45.7							
Average Service:			13.6							

Age/Service Distribution of All Eligible Active Certificated Employees

Age	Service									Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
20-24	38	3								41
25-29	120	20	4							144
30-34	78	91	43	5						217
35-39	65	77	158	44	5					349
40-44	47	53	120	132	34					386
45-49	24	31	69	100	88	18				330
50-54	16	20	51	61	45	43	12	1		249
55-59	18	14	27	33	33	47	41	8	1	222
60-64	6	13	21	33	16	26	17	9	5	146
65-69	2	4	10	15	15	9	4	1	5	65
70+	<u>0</u>	<u>0</u>	<u>2</u>	<u>5</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>2</u>	<u>3</u>	<u>15</u>
Total:	414	326	505	428	236	146	74	21	14	2,164
Average Age: 45.1										
Average Service: 14.0										

Age/Service Distribution of All Eligible Active Classified Employees

Age	Service									Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
20-24	51									51
25-29	87	31	11							129
30-34	53	35	46	8						142
35-39	35	28	53	33	5					154
40-44	33	34	49	45	17					178
45-49	22	39	60	36	23	12	1			193
50-54	22	30	70	39	25	20	14	2		222
55-59	11	29	59	48	29	25	17	14		232
60-64	6	15	35	48	23	11	8	2	2	150
65-69	3	8	13	11	6	2	2	0	0	45
70+	<u>1</u>	<u>2</u>	<u>3</u>	<u>2</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>11</u>
Total:	324	251	399	270	128	71	43	18	3	1,507
Average Age: 46.4										
Average Service: 12.8										



Age/Service Distribution of Active Eligible Management/Confidential & Other Employees

Age	Service									Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
20-24	0									0
25-29	0	1								1
30-34	5	2	5							12
35-39	11	0	12	4						27
40-44	11	5	13	16	5					50
45-49	8	1	6	7	13	4	2			41
50-54	8	0	0	1	9	11	5	1		35
55-59	3	1	0	5	1	9	5	0		24
60-64	2	2	0	3	0	2	2	2		13
65-69	0	0	0	0	0	1	0	0	1	2
70+	0	0	0	0	0	0	0	0	0	0
Total:	48	12	36	36	28	27	14	3	1	205
Average Age:			47.0							
Average Service:			15.8							



SECTION VI. ACTUARIAL ASSUMPTIONS AND METHODS

The liabilities set forth in this report are based on the actuarial assumptions described in this section.

Fiscal Year: July 1st to June 30th

Measurement Date: July 1, 2016

Fiscal Years Covered: Annual required contribution for the fiscal year ending June 30, 2016 (FY2016/2017); actuarially determined contribution* for the fiscal year ending June 30, 2016 (FY2017/2018)

* The District will be required to expense under GASB 75 for its fiscal year 2017/2018; the actuarially determined contribution reflects the contribution that could be made to prefund the retiree benefit obligation.

Funding Policy Pay-as-you-go

Discount Rate: 4.0% per annum. This discount rate assumes the District continues to fund for its retiree health benefits on a pay-as-you-go basis.

Sensitivity analysis showing a 1% increase or decrease in the discount rate is also provided.

[The prior valuation used 4.5%]

Inflation: 2.75% per annum

Salary Increases: 3.0% per annum, in aggregate

Pre-retirement Turnover: According to the Crocker-Sarason T-5 turnover table less mortality. Sample rates are as follows:

Age	Males	Females
20	7.9%	7.9%
25	7.7	7.7
30	7.2	7.2
35	6.3	6.3
40	5.2	5.2
45	4.0	4.0
50	2.6	2.6
55	0.9	0.9



Mortality Rates:

Mortality rates are based on the most recent rates used by CalPERS and STRS for the pension valuations. Sample rates are as follows:

CalPERS		Actives		Retirees	
Age	Males	Females	Age	Males	
25	0.040%	0.023%	25	0.040%	
30	0.049%	0.025%	30	0.049%	
35	0.057%	0.035%	35	0.057%	
40	0.075%	0.050%	40	0.075%	
45	0.106%	0.071%	45	0.106%	
50	0.155%	0.100%	50	0.155%	
55	0.228%	0.138%	55	0.228%	
60	0.308%	0.182%	60	0.308%	
65	0.400%	0.257%	65	0.400%	
70			70		
75			75		
80			80		

STRS		Actives		Retirees*	
Age	Males	Females	Males	Females	
25	0.023%	0.013%			
30	0.033%	0.014%			
35	0.034%	0.018%			
40	0.057%	0.034%			
45	0.076%	0.041%			
50	0.103%	0.063%			
55	0.143%	0.093%	0.164%	0.118%	
60	0.238%	0.179%	0.300%	0.254%	
65	0.435%	0.368%	0.596%	0.468%	
70			1.095%	0.864%	
75			1.886%	1.451%	
80			3.772%	2.759%	

* Rates applicable to future retirees include a 2 year setback.



Retirement Rates:

Age	Percent Retiring*	
	Classic	PEPRA
55	25.0%	20.0%
56	10.0%	7.5%
57	10.0%	10.0%
58	10.0%	10.0%
59	15.0%	15.0%
60	15.0%	15.0%
61	20.0%	15.0%
62	35.0%	25.0%
63	35.0%	25.0%
64	35.0%	25.0%
65	45.0%	35.0%
66	35.0%	30.0%
67	30.0%	30.0%
68	30.0%	30.0%
69	30.0%	30.0%
70	100.0%	100.0%

* Of those having met eligibility to receive District paid benefits. The percentage refers to the probability that an active employee who has reached the stated age will retire within the following year.

[The prior valuation used the following table for all employees:]

Age	Percent Retiring*	
	STRS Employees	PERS Employees
50	0.0%	2.0%
51	0.0%	2.0%
52	0.0%	2.0%
53	0.0%	2.0%
54	0.0%	2.0%
55	25.0%	25.0%
56	15.0%	15.0%
57	10.0%	10.0%
58	10.0%	10.0%
59	10.0%	10.0%
60	50.0%	50.0%
61	35.0%	35.0%
62	50.0%	50.0%
63	25.0%	25.0%
64	25.0%	25.0%
65	100.0%	100.0%

Participation Rates:

Active employees meeting eligibility for retirement are assumed to elect retiree health coverage at retirement and elect plan coverage based on their current plan elections. Employees currently waiving coverage are assumed to waive coverage.



Spouse Coverage: 55% of future retirees electing coverage are assumed to be married and elect coverage for their spouse. Spouses are assumed to be same age as retiree. Actual spouse coverage and spouse ages are used for current retirees.

Claim Cost Development: The valuation claim costs are based on the premiums paid for medical insurance coverage. The valuation was based on the medical premiums furnished by the District. The District participates in the Southern California Schools VEBA which was considered a community-rated plan. Past valuations assumed the District was exempt from the valuation of any medical plan implicit rate subsidy. An implicit rate subsidy can exist when the non-Medicare rates for retirees are the same as for active employees. Since non-Medicare eligible retirees are typically much older than active employees, their actual medical costs are typically higher than for active employees. The current valuation contains an estimate of the implicit rate subsidy. The valuation results were determined using the higher expected costs associated with retired employees assuming that the underlying morbidity is similar to other similarly situated California-based plans..

Medical Trend Rates:

Year	Trend
2018	6.5%
2019	6.0%
2020	5.5%
2021+	5.0%

Annual Maximums: The annual medical maximums are assumed to increase based on the ultimate medical trend rate.

Actuarial Cost Method: The actuarial cost method used was Projected Unit Credit with service prorate. Under this method, the Actuarial Accrued Liability is the present value of projected benefits multiplied by the ratio of benefit service as of the valuation date to the projected benefit service at retirement, termination, disability or death. The Normal Cost for a plan year is the expected increase in the Accrued Liability during the plan year.

All employees eligible as of the measurement date in accordance with the provisions of the Plan listed in the data provided by the District were included in the valuation.

Actuarial Value of Assets: Any assets of the plan will be valued on a market value basis. As of the valuation date, there were no GASB eligible assets.

Amortization of UAAL: The unfunded actuarial accrued liability is being amortized over an initial 30 years using a level-dollar amortization method. The outstanding unfunded actuarial accrued liability at July 1, 2016 is amortized over 21 years.



SECTION VII. ACTUARIAL CERTIFICATION

The results set forth in this report are based on the actuarial valuation of the retiree health benefit plans of Sweetwater Union High School District (the "District") as of July 1, 2016. This report is prepared in accordance with our understanding of GASB Statements No. 43 (Financial Reporting for Post-Employment Benefit Plans Other Than Pension Plans) and No. 45 (Accounting and Financial Reporting by Employers for Post-Employment Benefits Other Than Pensions). Determination for purposes other than meeting these requirements may be significantly different from the results contained in this report.

The information presented herein is based on the actuarial assumptions and substantive plan provisions summarized in this report and participant information and asset information furnished to us by the Plan Sponsor. We have reviewed the employee census provided by the Plan Sponsor for reasonableness when compared to the prior information provided but have not audited the information at the source, and therefore do not accept responsibility for the accuracy or the completeness of the data on which the information is based. When relevant data may be missing, we may have made assumptions we feel are neutral or conservative to the purpose of the measurement. We are not aware of any significant issues with and have relied on the data provided.

The discount rate and other economic assumptions have been selected by the Plan Sponsor. Demographic assumptions have been selected by the Plan Sponsor with the concurrence of Nyhart. In our opinion, the actuarial assumptions are individually reasonable and in combination represent our estimate of anticipated experience of the Plan. All calculations have been made in accordance with generally accepted actuarial principles and practice.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following:

- plan experience differing from that anticipated by the economic or demographic assumptions;
- changes in economic or demographic assumptions;
- increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period); and
- changes in plan provisions or applicable law.

While some sensitivity analysis was provided in the report, we did not perform an analysis of the potential range of future measurements due to the limited scope of our engagement.

To our knowledge, there have been no significant events prior to the current year's measurement date or as of the date of this report that could materially affect the results contained herein.

Neither Nyhart nor any of its employees has any relationship with the plan or its sponsor that could impair or appear to impair the objectivity of this report. Our professional work is in full compliance with the American Academy of Actuaries "Code of Professional Conduct" Precept 7 regarding conflict of interest. The undersigned meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

Should you have any questions please do not hesitate to contact me.

Certified by:

A handwritten signature in black ink, appearing to read "Marilyn K. Jones", written over a horizontal line.

Marilyn K. Jones, ASA, EA, MAAA, FCA
Consulting Actuary

Date: February 7, 2017



SECTION VIII. DEFINITIONS

The definitions of the terms used in GASB actuarial valuations are noted below.

Actuarial Liability (also referred to as Present Value of Future Benefits) – Total projected benefits include all benefits estimated to be payable to plan members (retirees and beneficiaries, terminated employees entitled to benefits but not yet receiving them, and current active members) as a result of their service through the valuation date and their expected future service. The actuarial present value of total projected benefits as of the valuation date is the present value of the cost to finance benefits payable in the future, discounted to reflect the expected effects of the time value (present value) of money and the probabilities of payment. Expressed another way, it is the amount that would have to be invested on the valuation date so that the amount invested plus investment earnings will provide sufficient assets to pay total projected benefits when due.

Actuarial Accrued Liability – That portion, as determined by a particular Actuarial Cost Method, of the Actuarial Present Value of plan benefits and expenses which is not provided for by the future Normal Costs.

Actuarial Assumptions – Assumptions as to the occurrence of future events affecting health care costs, such as: mortality, turnover, disablement and retirement; changes in compensation and Government provided health care benefits; rates of investment earnings and asset appreciation or depreciation; procedures used to determine the Actuarial Value of Assets; characteristics of future entrants for Open Group Actuarial Cost Methods; and other relevant items.

Actuarial Cost Method – A procedure for determining the Actuarial Present Value of future benefits and expenses and for developing an actuarially equivalent allocation of such value to time periods, usually in the form of a Normal Cost and an Actuarial Accrued Liability.

Actuarial Present Value – The value of an amount or series of amounts payable or receivable at various times, determined as of a given date by the application of a particular set of Actuarial Assumptions.

Annual OPEB Cost – An accrual-basis measure of the periodic cost of an employer's participation in a defined benefit OPEB plan.

Annual Required Contribution (ARC) – The employer's periodic required contributions to a defined benefit OPEB plan, calculated in accordance with the parameters.

Explicit Subsidy – The difference between (a) the amounts required to be contributed by the retirees based on the premium rates and (b) actual cash contribution made by the employer.

Funded Ratio – The actuarial value of assets expressed as a percentage of the actuarial accrued liability.

Healthcare Cost Trend Rate – The rate of change in the per capita health claims costs over time as a result of factors such as medical inflation, utilization of healthcare services, plan design, and technological developments.



Implicit Rate Subsidy – In an experience-rated healthcare plan that includes both active employees and retirees with blended premium rates for all plan members, the difference between (a) the age-adjusted premiums approximating claim costs for retirees in the group (which, because of the effect of age on claim costs, generally will be higher than the blended premium rates for all group members) and (b) the amounts required to be contributed by the retirees.

Net OPEB Obligation – The cumulative difference since the effective date of this Statement between annual OPEB cost and the employer's contributions to the plan, including the OPEB liability (asset) at transition, if any, and excluding (a) short-term differences and (b) unpaid contributions that have been converted to OPEB-related debt.

Normal Cost – The portion of the Actuarial Present Value of plan benefits and expenses which is allocated to a valuation year by the Actuarial Cost Method.

Pay-as-you-go – A method of financing a benefit plan under which the contributions to the plan are generally made at about the same time and in about the same amount as benefit payments and expenses becoming due.

Per Capita Costs – The current cost of providing postretirement health care benefits for one year at each age from the youngest age to the oldest age at which plan participants are expected to receive benefits under the plan.

Select and Ultimate Rates – Actuarial assumptions that contemplate different rates for successive years. Instead of a single assumed rate with respect to, for example, the healthcare trend rate assumption, the actuary may apply different rates for the early years of a projection and a single rate for all subsequent years. For example, if an actuary applies an assumed healthcare trend rate of 6.5% for year 20W0, 6.0% for 20W1, 5.5% for 20W2, then 5.0% for 20W3 and thereafter, then 6.5%, 6% and 5.5% are select rates, and 5% is the ultimate rate.

Substantive Plan – The terms of an OPEB plan as understood by the employer(s) and plan participant.



June 26, 2017

Board Item - L.-1.

Issue:

Employment, change of status, and separations of certificated personnel.

Superintendent's Recommendation:

Approve/ratify certificated personnel actions processed by the human resource services division between the dates of May 1, 2017, and May 31, 2017.

Analysis:

Attached is a report of the personnel actions processed by the human resource services division including hires and re-hires of both regular and substitute employees; changes in assignment, status, and seniority; leaves of absence and returns from leaves of absences; and separations, resignations, and retirements. For questions regarding this board item, please contact Thomas Glover at 619/585-6010 or thomas.glover@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
📎 Certificated Agenda	Backup Material

**SWEETWATER UNION HIGH SCHOOL DISTRICT
CERTIFICATED PERSONNEL RECOMMENDATIONS
(May 1, 2017 - May 31, 2017)**

Employment

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Site</u>	<u>FTE</u>	<u>Effective Date</u>
HATCH	Tori	Teacher, ROTC	MVH	1.0	04/19/2017

Change of Assignment/FTE

<u>Last Name</u>	<u>First Name</u>	<u>From</u>	<u>To</u>	<u>Effective Date(s)</u>
ATTARD	Kathleen M.	Teacher, (1.0 FTE), SOM	Teacher, (.5 FTE), SOM, Year 1, Reduced Workload (RWL)	07/17/2017
BATISTA	Bettina	Principal, BVH	Principal, L&S	07/01/2017
BRAITHWAITE	Rochelle N.	Speech Therapist, (.8 FTE), SPS, Year 1, RWL	Speech Therapist, (.8 FTE), SPS, Year 2, RWL	07/17/2017
BROSZ	Jose A.	Principal, ORH	Principal, SYH	07/01/2017
DAVIDSON, JR.	John W.	Teacher, (1.0 FTE), MOM	Teacher, (.8 FTE), MOM, Year 1, RWL	07/17/2017
DEL ROSARIO	Roman	Exec. Director, CUR	Principal, BVH	07/01/2017
DZIERZEK	Katherine L.	Teacher, (.8 FTE), Resource Teacher, (.2 FTE), ELM	Teacher, (.8 FTE), ELH	07/17/2017
ESPINOZA	Hector	Principal, SYH	Principal, ELH	07/01/2017
FACTO	Kenneth J.	Teacher, (.6 FTE), ELH	Teacher, (1.0 FTE), ELH	07/17/2017
LEDEZMA	Edrey J.	Counselor, (.8 FTE), MVH	Counselor, (1.0 FTE), MVH	01/09/2017
LIZARRAGA	Maria E.	Principal, ELH	Exec. Dir., Curriculum & Instruction	07/01/2017
LOPER	Don J.	Teacher, (1.0 FTE), SOH	Teacher, (.8 FTE), SOH, Year 1, RWL	07/17/2017
MURCHISON	Mixim R.	Counselor, (1.0 FTE), ELM	Counselor, (.8 FTE), ELM	07/17/2017
MUTKA	Richard Y.	Teacher, (.6 FTE), ELH	Teacher, (1.0 FTE), ELH	07/17/2017
QUINN	Courtney L.	Teacher, (.6 FTE), ELM, Resource Teacher, (.4 FTE), ELM	Resource Teacher, (1.0 FTE), ELM	01/09/2017
PEDROZA	Anna	Principal, RDM	Principal, ORH	07/01/2017
PIETSCH	Leticia	Teacher, (.6 FTE), SOM, Year 1, RWL	Teacher, (.8 FTE), ALT, Year 2, RWL	07/17/2017

**SWEETWATER UNION HIGH SCHOOL DISTRICT
CERTIFICATED PERSONNEL RECOMMENDATIONS
(May 1, 2017 - May 31, 2017)**

Change of Assignment/FTE (Continued)

<u>Last Name</u>	<u>First Name</u>	<u>From</u>	<u>To</u>	<u>Effective Date(s)</u>
ROWEN	Megan S.	Teacher, (1.0 FTE), ELM	Teacher, (.6 FTE), ELM	07/17/2017
SANCHEZ	Mirka	Teacher, (1.0 FTE), SYH	Teacher, (.8 FTE), SYH, Resource Teacher, (.2 FTE), SYH	01/09/2017
SAVAGE	Brett A.	Teacher, (.8 FTE), RDM	Teacher, (1.0 FTE), RDM	07/17/2017
TRIM-ODERO	Shirley	School Nurse, (1.0 FTE), MOH	School Nurse, (.5 FTE), MOH, Year 1, RWL	07/17/2017
ULLOA	Juan A.	Principal, ELM	Principal, RDM	07/01/2017
VEGA	Susan	Counselor, (.6 FTE), MVA, Year 1, RWL	Counselor, (.6 FTE), MVA, Year 2, RWL	07/10/2017
VELTRE	Margaret A.	Teacher, (.8 FTE), BVH, Year 3, RWL	Teacher, (.5 FTE), BVH, Year 4, RWL	07/17/2017
VILLA	Dario D.	Counselor, (.6 FTE), MOH, Year 1, RWL	Counselor, (.6 FTE), MOH, Year 2, RWL	07/10/2017
WILLIAMS	Amanda E.	Teacher, (.6 FTE), ELH	Teacher, (.8 FTE), ELH	07/17/2017
WINTERS	Thomas	Principal, MVA	Principal, L&S	07/01/2017
ZARAGOZA	Ramona B.	Teacher, (1.0 FTE), SOM	Teacher, (.5 FTE), SOM, Year 1, RWL	07/17/2017

Leave of Absence

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Site</u>	<u>FTE</u>	<u>Effective Date(s)</u>
CASTELLANOS	Katie K.	Teacher	ROP	.4889	07/15/2017 - 09/05/2017
FLORES	Raul A.	Teacher	HTM	.8000	06/03/2017 - 06/06/2018
PANDHI	Kristen A.	Teacher	ELM	1.0	07/17/2017 - 06/06/2018

Return from Leave of Absence

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Site</u>	<u>FTE</u>	<u>Effective Date</u>
AMARAL	Marco O.	Teacher	CPH	1.0	05/03/2017
GONZALES	Audrey L.	Teacher	SYA	.8889	05/22/2017
TRAN	Quang	Teacher	MVA	1.0	04/14/2017

**SWEETWATER UNION HIGH SCHOOL DISTRICT
CERTIFICATED PERSONNEL RECOMMENDATIONS
(May 1, 2017 - May 31, 2017)**

Separations/Resignations/Retirements

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Site</u>	<u>FTE</u>	<u>Effective Date</u>
BARTON	Paula H.	Teacher	CPH	1.0	05/01/2017
BERTRAM	Marcela	Teacher	CVM	.8	06/02/2017
BROWN	Liam R.	Teacher	SUH	.8	06/03/2017
CARBALLO-BRAUN	Janette P.	Teacher	MOH	.8	06/02/2017
DUBOST	Rosa M.	Teacher	NCM	1.0	06/03/2017
FERNANDEZ	Ivaan J.	Teacher	ELH	1.0	06/02/2017
IRINYI	Lorand	Teacher	MOH	1.0	06/02/2017
KAINE	Michael C.	Counselor	HTH	1.0	06/04/2017
KISER	Tracey N.	Teacher	HTM	1.0	05/30/2017
*LAND	Rebecca M.	Teacher	ELH	1.0	06/02/2017
LATHAM	Robert T.	Teacher	SUH	1.0	06/02/2017
LOCKIE	John K.	Teacher	RDM	1.0	06/30/2017
MARSHBURN	Gale M.	Teacher	SYH	1.0	07/07/2017
MURPHY	Sean M.	Teacher	GJH	.8	06/02/2017
PARROTT	Catherine	Teacher	ELH	1.0	06/03/2017
WARD	Peggy	Teacher	MOH	1.0	06/02/2017
WIRSCHING	Abigail	Teacher	ORH	1.0	06/02/2017

*Resignation from contracted assignment only.

Substitutes

Employment

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Effective Date</u>
ARMENTA III	Arthur	Sub. Teacher, 7-12	05/16/2017
BARRAGAN, JR.	Isidro	Sub. Teacher, 7-12	05/09/2017
BYRON	Robert	Sub. Teacher, 7-12	05/18/2017
CHAFFEE	Meryl	Sub. Teacher, 7-12	05/24/2017
COOPER	Joshua	Sub. Teacher, 7-12	05/03/2017
ENCISO	Maria	Sub. Teacher, Adult	04/25/2017
HERNANDEZ II	Jose C.	Sub. Teacher, 7-12	05/17/2017
KINDSCHI	Howard	Sub. Teacher, 7-12	05/18/2017

**SWEETWATER UNION HIGH SCHOOL DISTRICT
CERTIFICATED PERSONNEL RECOMMENDATIONS
(May 1, 2017 - May 31, 2017)**

Employment (Continued)

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Effective Date</u>
KLOCKGETHER	Cassie A.	Sub. Teacher, 7-12	05/09/2017
RUMNEY	Melisa	Sub. Teacher, 7-12	05/03/2017
SHEINBERG	Amy H.	Sub. Teacher, 7-12	05/16/2017
SOSA	Ruth	Sub. Teacher, 7-12	05/18/2017
VIRGEN	Misael	Sub. Teacher, 7-1	05/03/2017



June 26, 2017

Board Item - L.-2.

Issue:

Employment, change of status, and separations of classified personnel.

Superintendent's Recommendation:

Approve/ratify classified personnel actions processed by the human resource services division between the dates of May 1, 2017, and May 31, 2017.

Analysis:

Attached is a report of the personnel actions processed by the human resource services division including hires and re-hires of both regular and substitute employees; changes in assignment, status, and seniority; leaves of absence and returns from leaves of absence; and separations, resignations, and retirements. Walk-On Coaches effective dates are determined by the California Interscholastic Federation (CIF) season based on the identified sport.

For questions regarding this board item, please contact Thomas Glover at 619/585-6010 or thomas.glover@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
 Classified Agenda	Backup Material

**SWEETWATER UNION HIGH SCHOOL DISTRICT
CLASSIFIED PERSONNEL RECOMMENDATIONS
May 1, 2017 - May 31, 2017**

Employment

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Site</u>	<u>Hrs/wk</u>	<u>Effective Date</u>
AGUILAR COTA	Enrique	Inst. HC Asst.	EHA	37.50	05/09/2017
COLIN	Carmen L.	Library Media Tech.	BVM	40	05/18/2017
FLORES	Abigail	Office Asst. II	ORH	40	05/09/2017
JUAREZ	Maribel	Nutrition Serv. Asst. I	ORH	17.50	05/31/2017
NEGRETE MOLINA	Angelica	Nutrition Serv. Asst. I	SUH	17.50	05/30/2017
REPPE	Kathleen	Nutrition Serv. Asst. I	ELH	17.50	05/30/2017
STUCKEY	David M.	Payroll Sup.	PAY	40	05/30/2017
VASQUEZ	Nancy G.	Payroll Tech. I	PAY	40	05/30/2017

Change of Assignment/Hours

<u>Last Name</u>	<u>First Name</u>	<u>From</u>	<u>To</u>	<u>Effective Date(s)</u>
CUBILLAS	Amada	Nutrition Serv. Asst. I, CVH, 17.50 hrs/wk, 207 workdays	Nutrition Serv. Asst. I, HTH, 25 hrs/wk, 207 workdays	05/30/2017
ENRIQUEZ	Rosalba	Registrar, BVM, 40 hrs/wk, 261 workdays	Sr. Office Asst., CVH-LC, 40 hrs/wk, 242 workdays	07/05/2017
MURILLO	Mitzie	Testing Asst. Bil., MVH, 32.50 hrs/wk, 206 workdays	Assessment Tech., R&E, 40 hrs/wk, 261 workdays	05/01/2017
SOLIS- MARROQUIN	Yadira	Office Asst. II, CVH, 40 hrs/wk, 221 workdays	Community Relations Fac., MVH, 40 hrs/wk, 206 workdays	05/19/2017

Employment - Temporary

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Site</u>	<u>Hrs/wk</u>	<u>Effective Date(s)</u>
AGUILAR	Miguel A.	Avid Program Asst.	MOH	19	04/27/2017 - 06/30/2017
ALVAREZ ESQUERRA	Roger	Avid Program Asst.	CVH	19	06/03/2017 - 06/30/2017
CHAVEZ	Karina	Avid Program Asst.	MOM	19	04/24/2017 - 05/26/2017

**SWEETWATER UNION HIGH SCHOOL DISTRICT
CLASSIFIED PERSONNEL RECOMMENDATIONS
May 1, 2017 - May 31, 2017**

Employment – Temporary (Continued)

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Site</u>	<u>Hrs/wk</u>	<u>Effective Date(s)</u>
CHAYEB	Zahira A.	Avid Program Asst.	CVH	19	06/03/2017 - 06/30/2017
CONTRERAS	Alec I.	Avid Program Asst.	CVH	19	06/03/2017 - 06/30/2017
CRESCINI	Clarissa S.	Avid Program Asst.	CVH	19	06/03/2017 - 06/30/2017
DIAZ	Michael	Coach Football	ELH		08/08/2017 - 12/16/2017
EXUM	Steven	Coach, Football	OLH		08/08/2017 - 12/16/2017
FALLORINA	Clarissa	Avid Program Asst.	VAP	40	05/22/2017 - 06/30/2017
GONZALEZ- QUINTERO	Sara M.	Avid Program Asst.	CVH	19	06/03/2017 - 06/30/2017
HERNANDEZ- HERRERA	Edgar	Avid Program Asst.	CVH	19	06/03/2017 - 06/30/2017
HERRERA DE LA TORRE	Angelica	Avid Program Asst.	CVH	19	06/03/2017 - 06/30/2017
ISIDRO	Jazelle D.	Avid Program Asst.	CVH	19	06/03/2017 - 06/30/2017
KRUM	Ryan	Coach, Football	SUH		08/08/2017 - 12/16/2017
LENARD	Eliran Q.	Avid Program Asst.	CVH	19	06/03/2017 - 06/30/2017
MACASKILL	Natasha	Swimming Pool Fac.	MVH	32.5	05/22/2017 - 07/14/2017
MADRID	Javier A.	Avid Program Asst.	CVH	19	06/03/2017 - 06/30/2017
MARTINEZ	Angel F.	Coach, Robotics	HTH		05/18/2017 - 06/30/2017
MARTINEZ- CAUDILLO	Helena C.	Student Worker	VAP	20	06/01/2017 - 06/30/2017

**SWEETWATER UNION HIGH SCHOOL DISTRICT
CLASSIFIED PERSONNEL RECOMMENDATIONS
May 1, 2017 - May 31, 2017**

Employment – Temporary (Continued)

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Site</u>	<u>Hrs/wk</u>	<u>Effective Date(s)</u>
MEJIA	Cristian A.	Student Worker	VAP	40	05/22/2017 - 06/30/2017
MELILLO	Anthony	Coach, Football	ELH		08/08/2017 - 12/16/2017
MENA	Richard	Coach, Football	SUH		08/08/2017 - 12/16/2017
MUNGUIA	Gabriel I.	Avid Program Asst.	MOH	19	05/04/2017 - 06/30/2017
PEREZ	Grecia	Avid Program Asst.	SOH	19	04/01/2017 - 06/30/2017
POSADA	Larry	Coach, Football	BVH		08/08/2017 - 12/16/2017
RAMIREZ	Bryan	Avid Program Asst.	CVH	19	06/03/2017 - 06/30/2017
RODRIGUEZ	Yanitza	Avid Program Asst.	CVH	19	06/03/2017 - 06/30/2017
SABLAN	Michael	Coach, Football	ELH		08/08/2017 - 12/16/2017
SALAS, JR.	Hermenegildo	Coach, Football	CVH		08/08/2017 - 12/16/2017
SNAITH	Sydney N.	Water Safety Instructor	MVH	40	06/05/2017 - 07/16/2017
WAGNER	Bryan	Coach, Football	SUH		08/08/2017 - 12/16/2017

Leave of Absence

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Site</u>	<u>Hrs/wk</u>	<u>Effective Date(s)</u>
INIGUEZ	Denise	Sr. Office Asst.	SUH	40	06/03/2017 - 06/20/2017
TELLER	Brenda A.	Inst. HC Asst.	BVH	37.5	05/02/2017 - 05/26/2017
TELLEZ	Judith	Office Asst. II	ALT	40	05/01/2017 - 06/30/2017

**SWEETWATER UNION HIGH SCHOOL DISTRICT
CLASSIFIED PERSONNEL RECOMMENDATIONS
May 1, 2017 - May 31, 2017**

Return from Leave of Absence

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Site</u>	<u>Hrs/wk</u>	<u>Effective Date</u>
BUENO	Yllian	Inst. Asst.	CPH	30	04/28/2017

Separations/Resignations/Retirements

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Site</u>	<u>Hrs/wk</u>	<u>Effective Date</u>
HURTADO	Anna	Credentials Spec.	HUR	40	05/05/2017
LE GROS	Elizabeth	Inst. Asst. Spec. Ed.	BVH	30	06/02/2017
MUNGUIA	Jessica	Nutrition Serv. Asst. I	ORH	17.50	05/05/2017
SANCHEZ	Rolando	Inst. Asst. Spec. Ed.	MVH	35	05/12/2017
SAUNDERS	Andrew	Plumber	MAI	40	04/28/2017
SMITH	Richard	Inst. Asst. Spec. Ed.	SYH	30	02/27/2017
WALKER	Raymond	Info. Tech. Supp. Tech.	INF	40	05/26/2017

Substitutes

Employment

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Effective Date(s)</u>
ALBERTZ	Christopher	Clerk	05/19/2017
ALVARADO	Maribel	Nutrition Serv.	05/19/2017
ALVIDREZ	Alexander	Clerk	05/15/2017
BLINSMAN	Tina	Clerk	05/19/2017
CEDANO	Anthony	Nutrition Serv.	05/24/2017
CHAVEZ	Armando	Bus Driver	05/19/2017
CONRIQUEZ	Blanca	Nutrition Serv.	05/10/2017
CUEVA	Francisco	Inst. HC Asst.	05/08/2017
ESCAMILLA	Issac	Custodian	05/03/2017
GAMEZ	Elijah	Custodian	05/10/2017
GAYTAN	Esther	Testing. Inst. Asst. Bil.	05/08/2017
GONZALEZ	Farid	Campus Asst.	05/10/2017
GUERRERO	Michelle	Inst. Asst. Spec. Ed.	05/15/2017

**SWEETWATER UNION HIGH SCHOOL DISTRICT
CLASSIFIED PERSONNEL RECOMMENDATIONS
May 1, 2017 - May 31, 2017**

Employment (Continued)

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Effective Date(s)</u>
KATZ	Tyler	Campus Asst.	05/24/2017
MARTINEZ	Jennifer	Inst. HC Asst.	05/03/2017
MEDINA	Eric	Nutrition Serv.	05/18/2017
MUNOZ	Tomas	Custodian	05/10/2017
NAMBO	Maria	Nutrition Serv.	05/09/2017
NGUYEN	Steven	Bus Driver	05/18/2017
OTERO	Joshua	Custodian	05/19/2017
PERCIVAL	Martha	Nutrition Serv.	05/19/2017
RAMOS	Cinthia	Clerk	05/24/2017
SALAS	Angelica	Clerk	05/10/2017

Separations

<u>Last Name</u>	<u>First Name</u>	<u>Assignment</u>	<u>Effective Date</u>
LEDESMA	Antonio	Custodian	05/09/2017
SAMANIEGO	Ruben	Inst. Asst. Spec. Ed.	05/05/2017



June 26, 2017

Board Item - L.-3.

Issue:

Citizens' Bond Oversight Committee (CBOC) member appointments.

Superintendent's Recommendation:

Approve the following appointments for members of the Citizens' Bond Oversight Committee:

Nick Marinovich, At-Large Member, Term: July 1, 2017, to June 30, 2020;
Dominique Navarro, At-Large Member, Term: July 1, 2017, to June 30, 2020;
Erica Balakian, At-Large Member, Term: July 1, 2017, to June 30, 2018; and
Albert Sides, Parent/Guardian of a Student, Term: July 1, 2017, to June 30, 2020.

Analysis:

The purpose of the CBOC is to inform the public, at least annually in a written report, concerning the expenditure of Proposition O Bond proceeds. The members of the committee are expected to possess skills and experiences in one or more of the areas of large scale construction operations, municipal/public finance matter, experience with agency/entity budgeting, project management and/or other qualified professionals.

Staff advertised the vacancies in March/April 2017, via the district website and Jupiter Grades Messenger Student Information System. Advertising was also in the following local newspapers: The Star News, Coronado Eagle & Journal, Imperial Beach Eagle & Times and La Prensa San Diego. The posting closed on April 20, 2017.

In total, 14 applications were received and screened by staff for skills and experience. Panel interviews were held on Wednesday, June 7, 2017, with the panel composed of five (5) panelists and one (1) human resources facilitator. The top three (3) applicants for the position of Member of the Community At-Large and one (1) applicant for the position of Parent or Guardian of a Student, are recommended for approval.

For questions regarding this board item, please contact Thomas Glover at 619/585-

6010 or thomas.glover@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
📎 Nick Marinovich	Backup Material
📎 Dominique Navarro	Backup Material
📎 Erica Balakian	Backup Material
📎 Albert Sides	Backup Material

NICK MARINOVICH

SUMMARY OF EXPERIENCE AND QUALIFICATIONS Significant knowledge and expertise in Proposition 39 related School Bond Oversight Programs. Senior Project Manager with extensive knowledge of facility planning and finance, local and state government operations, evaluation and procurement of consultant services, and management of large capital projects, experience and analytical expertise relative to preparation of complex reports, studies, and issue papers regarding governmental operations. Management of citizen based advisory committees. Knowledge of local court operations and facilities.

VOLUNTEER WORK (March 10, 2010 to Present)

Chair-Sweetwater Union High School District Bond Oversight Committee (April 2012-Present): Conduct meetings, structure agenda, Board presentations, develop policy issues, formulate audits, media contact/spokesperson, formulation of subcommittees, training new members, intermediary District staff/Committee and public.

Member-Grossmont Union High School District Bond Oversight Committee (June 2013-June 2014): Appointee of the San Diego Taxpayer's Association.

Board of Directors-California League of Bond Oversight Committees (November 2012): Preparation Best Practices Bond Oversight, training program development, legislative analysis and recommendations

Board of Directors-Citizens Coordinate for Century Three (January 2010-January 2014): Co-Chair Waterfront Committee, Newsletter Editor, representation at Port District, San Diego City Council and Coastal Commission

EMPLOYMENT

Abacus Project Management (June 2014-November 2014)

- Business Development and Market Research
- Project Management Capital Facilities

COUNTY OF SAN DIEGO JANUARY 13, 1978 to March 10, 2010 (Retired)

Department of General Services: Project Manager

August 1996 to March 2010

- Management/coordination of the State of California takeover of local court facilities
- Preparation and Administration of Energy Efficiency and Conservation Block Grant (Federal Stimulus)
- Preparation of long-range capital facility plans for: the County Administration Center Waterfront Park, Consolidation of County offices in the Kearny Mesa area, North Embarcadero Visionary Plan,
- Procurement of consultants for such disciplines as architects, engineers, and environmental services.

Chief Administrative Office: Staff Officer

April 1982 to August 1996

- Management of the planning, procurement, design, construction and financing of the \$62.5 million Hall of Justice and \$49.0 million North County Regional Center Expansion.
- Preparation of long range capital facility plans for all major County courthouse facilities

Office of Management and Budget: Analyst

March 1981 to April 1982

- Analyze the impacts of Federal, State, and local legislation on the County budget
- Prepare revenue and expenditure forecasts including incorporations of Poway and Santee

Department of Planning and Land Use: Analyst

January 1978 to March 1981

- Provide technical input and analyses on the following subject areas: the regional economic impacts of alternative uses of military land, revenues for the incorporation of County communities, and market research/feasibility of commercial zoning proposals
- Conduct research on the rental and condominium conversion market in San Diego County

EDUCATION

BA in Economics San Diego State University June 1975, 42 Graduate Units in Economics

Nick Marinovich: California School Bond Program Experience and Expertise

Chair: Sweetwater Unified High School District Bond Oversight Committee (April 2012 Appointment).

After being appointed Chair in June 2012, my responsibilities have included but limited to the following:

- Coordination with District Staff and Bond Oversight Committee Members. This includes weekly meeting with staff going over the status of pending projects, Committee policy issues, agenda formulation, requests for information from Committee members, and administration issues (eg. submission of 700 Forms).
- Monthly Presentations to the Board of Trustees. Each month at a regular Board meeting, the results of Oversight Committee meetings are summarized, policy issues are raised, and the results of external meetings (e.g. California League of Bond Oversight Committees) is communicated.
- Training of New Committee Members. After Board appointment the Chair presents a summary of the statutory and legal requirements associated with being on a Bond Oversight Committee.
- Brown Act Compliance. While the District is responsible for advising the Committee on Brown Act issues, it is the responsibility of the Chair to act as Gatekeeper and watchdog/reminder on the importance of the Brown Act. It has worked well.
- Development of Bond Oversight Committee Operating Standards. With the assistance of the California League of Bond Oversight Committees, the Chair led in the development of operating standards relative to: legal requirements (eg. committee membership), recruitment and selection, orientation, public disclosure, financial audit, committee budget, performance audit, and access to information.
- Preparation of Agenda and Backup. With consultation from the Committee members, the Chair forms the agenda and often when necessary will prepare agenda written documents including a detailed Chair Report and backup. Chair issues have included need for Committee resources, performance audit requirements, and Committee Operating Standards.
- Review and Comment on Staff Bond Oversight Committee Reports. There is ongoing review, comment, and request for additional/clarification between the Chair/Committee and District staff.
- Web Site Development. The Proposition "O" site with the cooperation of District Staff has improved dramatically under the leadership as Chair. Maximum effort is given to fully inform the public.
- Media Contact. The Chair represents the Bond Oversight Committee with the local television, print, and on line media.

By the own accounts of the California League of Bond Oversight Committees, the Sweetwater Unified High School District Bond Oversight Committees is a trend setter in compliance with the Education Code that governs such Committees.

Board of Directors: California League of Bond Oversight Committees (Calboc)

Since joining Calboc August 2012 and becoming a Board of Directors in November 2012, responsibilities have included:

- Training Program Assistance. This includes having the lead responsibilities for developing a written and video presentation on Bond Oversight Committees Best Practices for a Statewide training program.
- Best Practices. Preparation of Best Practices documents relating to Annual Reports, Performance Audit, Selection of members, Training and Orientation, and role of Bond Oversight Committee.

Member: Sweetwater Unified High School District Proposition BB Bond Oversight Committee (2005 to 2007). I served as an At Large Committee member during the latter Phase of BB and spoke forcefully to compliance with procedures and protocol relative to the selection of consultants.

NICK MARINOVICH MASTER PLANNING EXPERIENCE

Governmental Center Complex. This study prepared at the request of the Board of Supervisors directed the Chief Administrative Officer to report on the potential uses of the County's Downtown properties and consideration of a proposed Government Center Complex that could house Federal, State, and City of San Diego governments and to determine their space needs and level of interest. The report focused on three issues: 1) the potential for functional consolidation of services provided by various government agencies 2) the advantages and disadvantages to the public of the Government Center Complex 3) the specific long range and functional requirements for departments in the County Administration Center.

Master Plan for the County Operations Center Complex Demolition and Expansion. At the initial planning stages, a scope of work, cost estimate and issues for consolidation was developed with cooperation and assistance from a private consulting firm. Policy issues and alternatives were defined and refined at the very early planning stages. Eventually this initial planning study was used as the basis for the eventual refinement of architectural programs and actual construction of the multi-million dollar County Operations Center Expansion and development.

San Diego County Court Facility Master Plans. For all court facility master planning for the County of San Diego, I was lead staff supervision including data collection and analysis from 1983 to 2010. Two of these master plans led to actual construction projects for the Hall of Justice and North County Regional Center Expansion.

San Diego Master Plan for Justice Facilities. This effort entailed the estimation of the demand and cost for expansion and refurbishment of regional justice facilities for the County of San Diego. My efforts focus on the court system. This Master Plan incorporated individual facility master plans into the overall County strategy. Personal efforts included analyses of special issues facing the court system such as use of night/shared courtrooms and decentralization of court facility functions.

Juvenile Justice Needs Assessment. In order to assist the Probation Department in various grant efforts, a study was prepared using historical crime data coupled with demographic projections of age cohorts to forecast future facility needs. Both court and detention needs were identified.

Girls Rehabilitation Facility Needs Assessment. Similar to the Juvenile Justice Needs Assessment, this study focus on the need for transitional detention housing for female juveniles adjacent to Juvenile Hall.

County Administration Center Waterfront Park Master Plan. This pending park project adjacent to the seat of the County government, the County Administration Center, was my responsibility up to the schematic design phase. Efforts included retention of programming and design consultant as well as organizing and conducting community workshops and interfacing with Board of Supervisors offices. Efforts entailed liaison with Downtown San Diego interest groups such as the Little Italy Association and the Centre City Development Corporation.

The Proposed Military Base Realignment: An Analysis of Military v. Civilian use of San Diego's Marine Corps Recruit Depot. In early 1978, the Federal Government proposed potential consolidation of the San Diego Marine Corps Recruit Depot and Naval Training Center to Parris Island South Carolina and Great Lakes Michigan, respectively. The study focused on the economic impact of relocation of military functions as well as the potential economic benefits of redevelopment of this land to alternative uses.

Dominique L. Navarro

EXPERIENCE

Environmental Health Coalition

Grantwriter and Fund Development Associate

July 2016 – Present

National City, CA

- Lead foundation fundraising for an organization with an annual budget of over \$2,000,000 and manage foundation partners including Kresge Foundation, The San Diego Foundation, CalEPA, and the Environmental Protection Agency

Adelante Consulting

Founder

March 2015 – Present

San Diego, CA

- Prepared grant applications, letters of inquiry, and reports for local nonprofit organizations including Partners for Progress San Diego, Center on Policy Initiatives, and the Cesar Chavez Service Clubs
- Managed the Leadership Pipeline Report update for submission to Social Equity Funders on behalf of the Center on Policy Initiatives, including volunteer management, data compilation, and outreach support
- Secured close to \$2M for clients from funders including The California Wellness Foundation, Satterberg Foundation, SDG&E, San Diego Women's Foundation, and the Open Society Foundations

The San Diego Foundation

Center for Civic Engagement (CCE) Program Specialist

March 2015 – July 2016

San Diego, CA

- Engaged The San Diego Foundation networks in dialogue on regional issues through a combination of public programming, donor convenings, and staff trainings with attendance of 2,277 community residents
- Identified and fostered relationships with community residents and nonprofits that are new to the CCE, resulting in an average of 45% event attendees that have not previously engaged with The San Diego Foundation

Center on Policy Initiatives

Development Coordinator

April 2013 – March 2015

San Diego, CA

- Managed the organization's foundation fundraising with an annual budget of over \$1,000,000; including but not limited to the writing of letters of inquiry, applications, proposals, reports, and program budgets for foundations including Open Society Foundations, The California Endowment, Ford Foundation, and the Leichtag Family Foundation
- Engaged in prospecting for new foundation partners; leading to new contacts with donors such as The Left Tilt Fund, Herb Block Foundation, Discount Foundation, Hazen Foundation, and the Russell Sage Foundation

EDUCATION

UC San Diego School of Global Policy & Strategy

Masters of International Affairs (MIA)

June 2012

La Jolla, CA

- Focus: International Environmental Policy, Latin America
- Internship: Centro Terra Viva, Maputo, Moçambique (June 2011 – September 2011)

UC San Diego

Bachelor of Arts (BA)

June 2010

- Major: Environmental Systems and Policy; Minor: Ethnic Studies
- Study Abroad: University of Costa Rica, San Jose, Costa Rica (January – August 2009)

ADDITIONAL

- Member of the Latina Giving Circle Leadership Council January 2016 - Present
- Chair of the Super Sonic Samba School Board of Directors, April 2015 – Present
- Volunteer Big Sister with *Big Brothers, Big Sisters of San Diego*, July 2014 - Present
- Experience with Raiser's Edge, SmarterSelect, STATA, Volgistics, SurveyMonkey, Wordpress, Nationbuilder, Salsa, MailChimp, and Constant Contact
- Advanced proficiency in Spanish; Intermediate proficiency in Portuguese

Erica Balakian

PROFESSIONAL PROFILE

Seasoned senior manager, successful leader, with over 15 years' experience in management of multi-disciplinary teams in K-12 Education, charter and non-profit sectors. Recognized by colleagues for excellent interpersonal and communication skills, commitment to quality, and delivering results.

Strengths: problem-solver, focused, learner, process improvement, analytical

AREAS OF IMPACT

- | | | |
|------------------------------|--------------------------|----------------------|
| • Project Management | • Policies & Procedures | • Budget Management |
| • Key Performance Indicators | • Process Improvement | • Budget Development |
| • Strategic Planning | • Systems Implementation | • Grants Management |

PROFESSIONAL EXPERIENCE

Operations Coordinator, Juvenile Court and Community Schools
San Diego County Office of Education

8/2015 – present

Major areas of responsibility includes managing the development and implementation of goals, objectives, policies and priorities for assigned programs including providing direction and oversight of administrative, business and support functions which include but are not limited to School Finance and Budget, Human Resources, Facilities, Planning, Maintenance and Operations, Food Services, Technology, Attendance, Records and Data Collection, Procurement and Distribution within Juvenile Court and Community Schools. Key accomplishments include:

- Budget development and management – develop annual budget in consultation with other senior leaders. Oversight, including allocation and management of \$6MM annual operations budget.
 - Monitor monthly budget expenditures and implement controls and spending limits per staff member to stay within budget. Collaborate with school Principals to monitor expenditures in their site budgets.
 - Implement controls and multi-step approvals for purchasing basic supplies, supplemental instructional materials, conference/professional development, and textbooks.
 - Participate in LCFF and LCAP development and monitoring for alignment of expenditures.
- Redesign the procurement and warehousing function for JCCS to support 16 Community School sites and 7 court sites across San Diego County.
 - Implement an online ordering/request process that created accountability for the tracking and distribution of basic school supplies, teacher/student technology, books and curriculum materials, and other supplemental instructional materials. Process more than 1,200 individual requests from teachers over a 6 month period. Average delivery time/fulfillment time improved by 6 days.
 - Create reporting and KPI's that provided insight into the distribution of resources across the system of community schools and court sites.
 - Conduct annual inventory and implement comprehensive and accurate database for capital goods – where one did not exist in the prior five years.
- Comprehensive planning and management of student and teacher technology.
 - Manage the physical inventory of Chromebooks/GAFE admin panel. Operate in a one-to-one student to device environment.
 - Develop and deploy new teacher technology packages in three phases. Select and upgrade teacher laptops, presentation stations, and flat screen TV's across the system of schools.
- Direct staff reports include Food Services Manager, Purchasing/Warehouse/Distribution Staff (2), Program Secretary, Office Assistant, Tech Support Staff (2).

Director, Operations and Organizational Effectiveness
Partners for Developing Futures

2/2013 – 7/2015

Major areas of responsibility include development and management of charter school incubation grant programs, performance management and program evaluation, technology and program operations for managing a remote team of employees, and developing organizational processes and strategies for improvement of service delivery.

- Coordinate the accounting functions related to charter school granting activities:
 - Propose policies and procedures related to restricted funds for review and implementation by grantees.
 - Assist grantees in the financial reporting and other administrative requirements of their grants/contracts, Memorandum of Agreements, training.
 - Monitoring/tracking the status of each grant awarded through its program life cycle.
 - Maintain the master financial calendar.
 - Support CFO in preparation, review, and coordination of our annual audit.
- Prepare, review, or direct all accounting entries (transactions and journals) related to disbursement of grant awards to grantees.
- Provide training & workshops to all grantees on how to more efficiently and effectively manage their respective grants in following our organizational policies and guidelines.
- Design, configure and manage Salesforce.com CRM database for tracking all organizational data.
 - Transition organization from no centralized data system, to a fully integrated cloud-based data solution. Utilize various plug-in apps for increased system functionality.
- Grants Management – including management of grantee processes and grant-seeking activities, including writing and grant reporting to the Walton Foundation, Gates Foundation, the Arnold Foundation, and other national non-profits. Submitted Federal i3 Grants in 2011 and 2012.

Specialist, Data and Training
San Diego Unified School District

4/2011 – 2/2013

Data and training expert responsible for the management and execution of teacher tech training programs.

- Develop training materials, job aids, and training videos for multiple technology initiatives, including districtwide implementation of one-to-one iPad program, and training middle school teachers to use DataDirector SIS system to implement data-driven instructional strategies.
- Lead training of teachers and staff in transition from Zangle SIS to PowerSchool.
- Develop online training modules using Moodle LMS platform, integrate videos, assessments, and chat rooms for asynchronous learning.
- Manage two department grant project evaluations (including federal EETT Technology grant), analyzing and reporting on a variety of qualitative and quantitative measures on a regular basis. Develop surveys, collect, analyze, and report on training participants' feedback.
- Reconcile department training budgets on a monthly basis. Monitor grant expenditures to ensure compliance.
- Consult with school site for staff needs assessments and develop and deliver customized training.

Manager, School Support Services
Partnership for Los Angeles Schools (PLAS)

3/2008 – 4/2011

Founding member of the largest Education Management Organization in California, selected by Ray Cortines and Mayor Antonio Villaraigosa to turn-around 16 of LAUSD's lowest performing schools.

- Implemented a comprehensive Performance Management system that included regular reporting and school level dashboards to support effective decision-making by PLAS leadership, Board of Directors, and school Principals. Including monthly reporting on Key Performance Indicators such as student benchmark assessment results, student and staff attendance, student discipline metrics, and student and parent satisfaction ratings.
- Liaison with LAUSD and PLAS staff and principals to transition to a modified per pupil budgeting model called Budgeting for Student Achievement over 3 year period. Included design, training, and on-going support during phased implementation process.
- Developed and implemented comprehensive multi-year facility improvement plans for PLAS schools (elementary, middle, and high school).

- Strategic priorities work focused on growth of the organization (successfully expanded from 10 to 16 schools in 3 years), annual strategic planning, program evaluation, best practices/benchmarking, grant writing and management (including Federal School Improvement Grant).

Supervising Administrative Assistant II

8/2005 – 3/2008

San Diego Unified School District

Develop and maintain the operations and services of a high poverty, high performing elementary school with a \$3MM annual operating budget. Effectively manage school operations and its services so the school Principal was able to focus on the strengthening the instructional program. Implement site-based budgeting. Implement PeopleSoft and new SIS system (transition from Aeries to Zangle). Manage categorical budgets and monitoring. Participate as SSC Chairperson for 2 years. Supervise a staff of 8 classified support personnel.

Planning Analyst/Administrative Assistant II

9/2000 – 8/2005

San Diego Unified School District

Coordinate departmental and interdepartmental activities; monitoring and approval of categorical budget expenditures, manage the implementation of comprehensive reform models in underperforming schools. Write board reports and evaluate reform efforts using student outcome data. Compile and analyze data, including supporting program manager and executive director in preparing annual State and Federal Student Achievement board reports.

Associate Marketing Services Manager

3/1999 – 8/2000

Delimex

Reporting to the CEO, Manage the production process for all retail promotional and brand communications programs including: newspaper, magazine, coupon books, direct mail, in-store literature, etc. Manage all creative assets to ensure they are up-to-date, accurate (meets brand standards) and easily accessible. Manage all production budgets. Manage multiple printing vendors to ensure branding is consistent and up to date.

EDUCATION

CBO Certificate Program

University of Southern California

7/2016– 6/2017

Master of Business Administration (MBA)

San Diego State University

May 2004

Bachelors of Arts, Economics

CA State University, San Marcos

May 1996

Computer Skills: PeopleSoft HRM/Finance, Salesforce, Oracle BI, Cognos, MS Word, Excel, PowerPoint, Access, Outlook, Project, Visio, Explorer, and Publisher; Google Apps; Pages, Keynote, iMovie and Numbers; Sharepoint, Multiple Student Information Systems, Aeries; Moodle LMS; Weebly; Basecamp, Web-Ex. PC and MAC proficient.

CBO Training/Competencies: AB1200 – Budget Compliance, LCFF Calculator/Funding Model, LCAP Development, Risk Management, Auditing, Maintenance and Operations, Technology Planning and Implementation, Charter School Petition Evaluation, MOU Development, and District Oversight, and SACS/Recording Expenditures.

AL Sides

Qualifications:

- Sitting Vice Chair City of Chula vista Building Dept. Board of Appeals
- Mechanical and electrical maintenance and troubleshooting
- 240/480v, ACIDC, contacts, relays, drives, motor controls
- PLC troubleshooting and language modifications, edit, modify language/Allen Bradley
- Maintenance department supervision and employee management, training and coaching
- PM programs, capital projects, budgeting, planning, vendor relationships
- FDAIGMP practices and standards, assisting with meeting production goals and objectives
- Six Sigma trained, SPC controls, TOM, cost savings, waste reductions
- Safety/OSHA training and program implementations lock out/tag out.
- Bilingual English/Spanish

Work experience:

2013- Present Facilities Engineer Student Union CSUSM

All aspects of building maint. for Student Union building

All aspects of Maint for Clarke fieldhouse.

Managing Student assistants

Supporting AV/IT technical and events

Conducting training classes for student assistants

2012-2013-Director of Operations PSAV Westin Gaslamp

Supervise all aspects of Av dept for the Hotel

Manage and supervise all technicians

Schedule all technical help

Spec and order all Av gear

Repair and return all gear to distribution center

Maintain M.P.S.I. scores

2010-2012 Director of Audio Visual Sheraton Carlsbad

Supervise all aspects of Audio Visual for the Resort

Coordinate all show aspects for Special events on property

Manage all financial aspects including scheduling of Technical help for shows

2008- 2010 PRESENTATION SERVICES -ETS 2

Electrical Maintenance Specialist

Electrical maintenance on various projects and set ups. Lighting Specialist/Audio

Specialist/Rigging Specialist/Project Specialist

2005 - 2007 R.S.I. Id. Technologies-

Chula Vista, CA.

Facilities Maintenance Manager

Facilities Manager of two buildings performing all supervisory functions for the maintenance management of the facility and the maintenance department. Maintenance Manager for R.F.I.D. Tag production, Safety Coordinator/OSHA and Major Project Manager.

1993 -

2005 Sealed Air Corporation- Chula Vista, CA.

Maintenance Supervisor/Lead Mechanic

Major Project Lead Manager for capital investments. Perform mechanical and electrical repair and maintenance. PM maintenance, scheduling and planning. First Aid First Responder and Lead Trainer

1985 - 1992

Metal Container Corp. - Riverside, CA

Machinery Technician

Performed various maintenance and repair on plant machinery and equipment. Statistical Process Control Trained, experience with Quality Assurance Lab and was Lead Technician and Team Leader for the maintenance department. Employee Trainer/Forklift Trainer

1983 - 1985

Anheuser Busch Corporate Engineering. - Los Angeles Brewery

Project Safety inspector

Assisted with capital engineering projects, performed safety audits and inspections, able to follow all blueprints and schematics

Education:

- Nyack Public School system, Nyack New York 1-12
- Rockland Community College - Business Administration Program
- Statistical Process Control Technical Training



June 26, 2017

Board Item - M.-1.

Issue:

Capital Projects Monthly Status Reports and approval of new and revised projects and budgets.

Superintendent's Recommendation:

Accept the progress reported within the Capital Projects Monthly Status Reports and approve budget adjustments for new and revised projects and budgets.

Analysis:

Capital Program Budget Adjustments:

The following budget adjustments are also outlined within the *Consolidated Budget and Expenditure Monthly Status Report*.

[1] Establish a new project for structural and engineering services for the removal and replacement of the Castle Park High School Stadium Scoreboard. The new scoreboard was donated by the International Brotherhood of Electrical Workers (IBEW) Local 569. Funding for this project (\$5,500) is being transferred from the current Fiscal Year's (FY) Deferred Maintenance Fund. Budget transfers have no effect on the existing funding source (Fund 14, Resource Code: 0915). Staff has included the funding for the construction phase of this project in the FY 2017-2018 Deferred Maintenance Fund plan. The construction phase budget will be added to the project after the board adopts the FY 2017-2018 Deferred Maintenance Fund.

[2] Establish a new project and budget of \$15,000, for Mar Vista High School (MVH) Cafeteria Upgrades. The district received a grant from the U.S. Department of Agriculture for the purchase of two highly efficient Rational Ovens (\$34,479). These ovens will give nutrition service's staff the ability to prepare several types of vegetables and proteins simultaneously, and increase the production of meals. The project will upgrade the infrastructure capacity of the MVH cafeteria, which currently does not accommodate the hook-up requirements for the oven. The cafeteria upgrades will help address the projected enrollment increase at the school site from residential development. Funding is from the fund balance of the Capital Facilities Fund (Fund 25; Resource Code: 0000).

[3] Decrease and close the remaining \$83,598, for Mar Vista High School Project 2 budget. Funding will be released back to the Proposition O Bond Sale 1 Contingency (Fund 22, Resource 0000). The project was completed and final retention payment has been processed.

[4] Increase the Montgomery Adult Culinary Arts Relocatable Project budget by \$330,200. Rename the project to Montgomery Adult Relocatable Classroom and Restroom 2017-2018 Project, and approve the revised scope of work. Funding is from the Proposition O Bond Sale 1 Contingency (Fund 22, Resource Code: 0000). The project's revised scope of work will include the replacement of a 24 x 40 relocatable classroom building, demolition and replacement of existing relocatable restroom, associated site work, path of travel, Americans with Disabilities Act (ADA) requirements and replacement of low voltage from the Main Distribution Frame (MDF) to all buildings on the north section of the campus.

Related Bond Language: [General Bond Language] "The general obligation bond funds of the Sweetwater Union High School District ("District") would be used to renovate, upgrade and provide major repair of existing school facilities, construct and acquire new school buildings and infrastructure and related facilities costs..."

[Site Specific] "Repair/restore on-site infrastructure and buildings. Upgrade/expand electrical systems to meet current and future demands, security systems and to accommodate technology."

[5] Establish the construction phase budget of \$55,673, for the Otay Ranch High School Water Intrusion Prevention (Multipurpose Room) Project. On October 24, 2016, the board approved the project's design phase budget of \$25,000. The total project budget and cost estimate is \$80,673. Funding is from the fund balance of the Mello-Roos CFD Fund (Fund 49, Resource Code: Various).

[6] Decrease the Southwest High School Title IX Project budget by \$189,000. Funding will be released back to the Proposition O Bond Sale 1 Contingency (Fund 22, Resource Code: 0000). Title IX requirements are being met by installing team room lockers in the boys and girls locker rooms. The facility originally planned to be repurposed to a team room is being used for the school site's dance program. These modifications meet the Title IX requirements, and are under budget.

For questions regarding this board item, please contact Moisés Aguirre at 619/585-6060 or moises.aguirre@sweetwaterschools.org.


Fiscal Impact:

Increase the budgeted expenditures for the Proposition O Bond Sale 1 by \$57,602 (Fund 22, Resource Code: 0000).

Increase the budgeted expenditures for the Capital Facilities Fund by \$15,000 (Fund 25, Resource Code: 0000).

Increase the budgeted expenditures for the Mello-Roos CFD Fund by \$55,673 (Fund 49, Resource Code: Various).

ATTACHMENTS:

Description	Type
 M-1 Agenda Item	Backup Material

CAPITAL PROJECTS MONTHLY STATUS REPORTS



Financial Status Thru 4/30/2017 & Construction Status Thru 5/31/2017

June 26, 2017

Enclosed:

- I. Consolidated Budget and Expenditure
Monthly Status Report
- II. Active Projects Monthly Status Report
- III. Current Budget Detail Monthly Report
- IV. Glossary of Acronyms and Terms



Quick Facts About SUHSD Facilities:

- # of High School (HS) Sites: 13*
 - # of Middle School (MS) Sites: 10*
 - # of Junior High School Sites: 1*
 - # of Adult Schools Sites: 5*
 - # of Alternative Ed Schools Sites: 4*
 - # of Special Education Schools Sites: 3*
 - # of Charter Schools on MS Sites: 2*
 - # of District Administrative Sites: 4*
 - # of Vacant Lots Owned : 2*
-



National City Middle School

Prepared by:

Fiscal Services Department

and

Planning & Construction
Department

1130 Fifth Avenue
Chula Vista, CA 91911
(619) 585-6060

Consolidated Budget and Expenditure Monthly Status Report

The purpose of the attached report is to provide a comprehensive financial progress report of the Sweetwater Union High School District's capital projects. The report includes project budgets, recommended new and adjusted budgets, project encumbrances and project expenditures.

The information within this report is broken out into two separate sections. The first section provides a list of *Active Projects* in alphabetical order by site and project name. The second section provides a list of *Completed Projects* in alphabetical order by project name.

Section



Budget Adjustments:

- [1] Establish a new project for structural and engineering services for the removal and replacement of the Castle Park High School Stadium Scoreboard. The new scoreboard was donated by the International Brotherhood of Electrical Workers (IBEW) Local 569. Funding for this project (\$5,500) is being transferred from the current Fiscal Year's (FY) Deferred Maintenance Fund budget. Budget transfers have no effect on the existing funding source (Fund 14, Resource Code: 0915). Staff has included the funding for the construction phase of this project in the FY 2017-2018 Deferred Maintenance Fund budget plan. The construction phase budget will be added to the project after the board adopts the FY 2017-2018 Deferred Maintenance Fund budget.
- [2] Establish a new project and budget of \$15,000, for Mar Vista High School (MVH) Cafeteria Upgrades. The district received a grant from the U.S. Department of Agriculture for the purchase of two highly efficient Rational Ovens (\$34,479). The ovens will give nutrition service's staff the ability to prepare several types of vegetables and proteins simultaneously, and increase the production of meals. The project will upgrade the infrastructure capacity of the MVH cafeteria, which currently does not accommodate the hook-up requirements for the oven. The cafeteria upgrades will help address the projected enrollment increase at the school site from residential development. Funding is from the fund balance of the Capital Facilities Fund (Fund 25; Resource Code: 0000).
- [3] Decrease and close the remaining \$83,598, for Mar Vista High School Project 2 budget. Funding will be released back to the Proposition O Bond Sale 1 Contingency (Fund 22, Resource 0000). The project was completed and final retention payment has been processed.
- [4] Increase the Montgomery Adult (MOA) Culinary Arts Relocatable Project budget by \$330,200. Rename the project to MOA Relocatable Classroom & Restroom 2017-2018 Project and approve the revised scope of work. Funding is from the Proposition O Bond Sale 1 Contingency (Fund 22, Resource 0000). The project's revised scope of work will include the replacement of a 24 x 40 relocatable classroom building, demolition and replacement of existing relocatable restroom, associated site work, path of travel, Americans with Disabilities Act (ADA) requirements and replacement of low voltage from the Main Distribution Frame (MDF) to all buildings on the north section of the campus.
Related Bond Language: [General Bond Language] "The general obligation bond funds of the Sweetwater Union High School District ("District") would be used to renovate, upgrade and provide major repair of existing school facilities, construct and acquire new school buildings and infrastructure and related facilities costs..." [Site Specific] "Repair/restore on-site infrastructure and buildings. Upgrade/expand electrical systems to meet current and future demands, security systems and to accommodate technology."
- [5] Establish the construction phase budget of \$55,673, for the Otay Ranch High School Water Intrusion Prevention (Multipurpose Room) Project. On October 24, 2016, the board approved the project's design phase budget of \$25,000. The total project budget and cost estimate is \$80,673. Funding is from the fund balance of the Mello-Roos CFD Fund (Fund 49, Resource Code: Various).

Consolidated Budget and Expenditure Monthly Status Report (Continued)

Budget Adjustments (Continued):

- [6] Decrease the Southwest High School Title IX Project budget by \$189,000. Funding will be released back to the Proposition O Bond Sale 1 Contingency (Fund 22, Resource 0000). Title IX requirements are being met by installing team room lockers in the boys and girls locker rooms. The facility originally planned to be repurposed to a team room is being used for the school site's dance program. These modifications meet the Title IX requirements, and are under budget.

Section

I.

Important Notes:

For additional information on the funding sources of each project , please reference Section III of this packet.

Current Budget Amounts include budget revisions approved by the District's Board of Trustees on 5/22/2017 (Board Agenda Item M-1).

Financial Status Thru 4/30/2017

Prepared by:

Sweetwater Union High School District
Fiscal Services Department
(619) 691-5550



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

I. CONSOLIDATED BUDGET AND EXPENDITURE STATUS MONTHLY REPORT

Site Name/Project Name	Current Budget	Encumbered Budget	Unencumbered Budget	Proposed Revisions This Month	Revised Budget	April 2017 Expenditures	Total Expenditures thru 3/31/17
A. Active Projects							
Bonita Vista High School							
Bonita Vista HS Artificial Track & Field	\$ 4,994,339	\$ 489,231	\$ 4,505,108		\$ 4,994,339	\$ 5,360	\$ 293,547
Bonita Vista HS Title IX (Girls Locker Rm)	\$ 430,335	\$ 414,048	\$ 16,287		\$ 430,335	\$ 89,566	\$ 228,845
	\$ 5,424,674	\$ 903,279	\$ 4,521,395	\$ -	\$ 5,424,674	\$ 94,926	\$ 522,392
Bonita Vista Middle School							
Bonita Vista MS Site Master Plan (2017)	\$ 120,000	\$ -	\$ 120,000		\$ 120,000	\$ -	\$ -
	\$ 120,000	\$ -	\$ 120,000	\$ -	\$ 120,000	\$ -	\$ -
Castle Park High School							
CPH Band Room Abatement/Remediation	\$ 166,461	\$ 155,879	\$ 10,582		\$ 166,461	\$ 840	\$ 116,036
Castle Park HS Gym Bleachers	\$ 935,000	\$ 147,279	\$ 787,721		\$ 935,000	\$ 1,683	\$ 27,795
Castle Park HS Site Master Plan (2017)	\$ 120,000	\$ 102,249	\$ 17,751		\$ 120,000	\$ 4,180	\$ 26,748
Castle Park HS Stadium Scoreboard	\$ 5,500	\$ 5,500	\$ -	\$ - [1]	\$ 5,500	\$ 1,170	\$ 1,515
	\$ 1,226,961	\$ 410,908	\$ 816,053	\$ -	\$ 1,226,961	\$ 7,873	\$ 172,094
Castle Park Middle School							
Castle Park MS Site Master Plan (2017)	\$ 120,000	\$ -	\$ 120,000		\$ 120,000	\$ -	\$ -
	\$ 120,000	\$ -	\$ 120,000	\$ -	\$ 120,000	\$ -	\$ -
Chula Vista High School							
Chula Vista HS Relocatable Classrooms 2017-18	\$ 1,245,000	\$ 300,163	\$ 944,837		\$ 1,245,000	\$ -	\$ -
Chula Vista HS Site Master Plan (2017)	\$ 120,000	\$ 29,000	\$ 91,000		\$ 120,000	\$ 2,900	\$ 5,800
Chula Vista HS Title IX (Softball Team Room)	\$ 460,000	\$ 420,353	\$ 39,647		\$ 460,000	\$ 14,722	\$ 296,208
	\$ 1,825,000	\$ 749,516	\$ 1,075,484	\$ -	\$ 1,825,000	\$ 17,622	\$ 302,008
Eastlake High School							
Eastlake HS Relocatable Classrooms 2017-18	\$ 1,051,660	\$ 283,055	\$ 768,605		\$ 1,051,660	\$ 45,777	\$ 1,610
Eastlake HS Roof/HVAC Phase 4 (2017)	\$ 1,923,085	\$ 68,683	\$ 1,854,402		\$ 1,923,085	\$ -	\$ 5,355
Eastlake HS Title IX	\$ 240,000	\$ 81,681	\$ 158,319		\$ 240,000	\$ -	\$ 70,307
	\$ 3,214,745	\$ 433,419	\$ 2,781,326	\$ -	\$ 3,214,745	\$ 45,777	\$ 77,272
Hilltop High School							
Hilltop HS Title IX (Softball Team Room)	\$ 200,000	\$ 86,095	\$ 113,905		\$ 200,000	\$ -	\$ 75,433
Hilltop HS Track & Field	\$ 4,500,000	\$ 3,177,197	\$ 1,322,803		\$ 4,500,000	\$ 14,340	\$ 261,288
	\$ 4,700,000	\$ 3,263,293	\$ 1,436,707	\$ -	\$ 4,700,000	\$ 14,340	\$ 336,721
Hilltop Middle School							
HTM Mod. & Expansion of Bldg. 600 (Proj 1)	\$ 5,340,000	\$ 463,422	\$ 4,876,578		\$ 5,340,000	\$ 163	\$ 61,261
	\$ 5,340,000	\$ 463,422	\$ 4,876,578	\$ -	\$ 5,340,000	\$ 163	\$ 61,261
Mar Vista Academy							
Mar Vista Academy Site Master Plan (2017)	\$ 120,000	\$ 20,500	\$ 99,500		\$ 120,000	\$ 8,000	\$ -
	\$ 120,000	\$ 20,500	\$ 99,500	\$ -	\$ 120,000	\$ 8,000	\$ -
Mar Vista High School							
Mar Vista HS Cafeteria Facility Upgrade	\$ 34,479	\$ 34,479	\$ -	\$ 15,000 [2]	\$ 15,000	\$ -	\$ -
Mar Vista HS Project 2	\$ 2,800,000	\$ 2,716,402	\$ 83,598	\$ (83,598) [3]	\$ 2,716,402	\$ 6,618	\$ 2,709,784
Mar Vista HS Site Master Plan (2017)	\$ 120,000	\$ 23,670	\$ 96,330		\$ 120,000	\$ 20,000	\$ 3,170
Mar Vista HS Title IX (Softball Batting Cages) [b]	\$ 3,824	\$ -	\$ 3,824		\$ 3,824	\$ -	\$ -
Mar Vista HS Pool Replacement	\$ 6,000,000	\$ 22,850	\$ 5,977,150		\$ 6,000,000	\$ 5,952	\$ 15,410
	\$ 8,923,824	\$ 2,762,922	\$ 6,160,902	\$ (83,598)	\$ 8,840,226	\$ 32,570	\$ 2,728,364
Montgomery High School							
MOH: MOA Culinary Arts Relo.	\$ 120,000	\$ 14,722	\$ 105,278	\$ 330,200 [4]	\$ 450,200	\$ -	\$ 7,722
	\$ 120,000	\$ 14,722	\$ 105,278	\$ 330,200	\$ 450,200	\$ -	\$ 7,722



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

I. CONSOLIDATED BUDGET AND EXPENDITURE STATUS MONTHLY REPORT

Site Name/Project Name	Current Budget	Encumbered Budget	Unencumbered Budget	Proposed Revisions This Month	Revised Budget	April 2017 Expenditures	Total Expenditures thru 3/31/17
National City Adult School							
National City Adult School Remediation	\$ 47,000	\$ 21,126	\$ 25,874		\$ 47,000	\$ 7,500	\$ 8,767
	\$ 47,000	\$ 21,126	\$ 25,874	\$ -	\$ 47,000	\$ 7,500	\$ 8,767
National City Middle School							
National City MS - Proj 2 Field Restoration	\$ 512,321	\$ 135,592	\$ 376,729		\$ 512,321	\$ -	\$ 55,823
	\$ 512,321	\$ 135,592	\$ 376,729	\$ -	\$ 512,321	\$ -	\$ 55,823
Olympian High School							
OLH: Easthills Academy Quad	\$ 125,000	\$ 34,169	\$ 90,831		\$ 125,000	\$ -	\$ 1,844
Olympian HS Relocatable Classrooms 2017-18	\$ 700,000	\$ 251,550	\$ 448,450		\$ 700,000	\$ 48,269	\$ 11,485
	\$ 825,000	\$ 285,719	\$ 539,281	\$ -	\$ 825,000	\$ 48,269	\$ 13,329
Otay Ranch High School							
ORH Water Intrusion Prevention (MPR)	\$ 25,000	\$ 19,173	\$ 5,827	\$ 55,673 [5]	\$ 80,673	\$ -	\$ 4,673
Otay Ranch HS Title IX	\$ 95,000	\$ 34,861	\$ 60,139		\$ 95,000	\$ -	\$ 32,548
	\$ 120,000	\$ 54,034	\$ 65,966	\$ 55,673	\$ 175,673	\$ -	\$ 37,221
Palomar High School							
Palomar HS Project 1	\$ 150,000	\$ 19,780	\$ 130,220		\$ 150,000	\$ 292	\$ -
	\$ 150,000	\$ 19,780	\$ 130,220	\$ -	\$ 150,000	\$ 292	\$ -
San Ysidro High School							
San Ysidro HS Project 1 Scoreboard [b]	\$ 5,000	\$ 3,726	\$ 1,274		\$ 5,000	\$ -	\$ 3,726
San Ysidro HS 4 ROTC Portables	\$ 85,500	\$ 20,277	\$ 65,223		\$ 85,500	\$ -	\$ 9,505
	\$ 90,500	\$ 24,003	\$ 66,497	\$ -	\$ 90,500	\$ -	\$ 13,231
Southwest High School							
SOH Gym ADA Bleacher Replacem't (RR & Floor)	\$ 1,185,000	\$ 215,202	\$ 969,798		\$ 1,185,000	\$ 5,886	\$ 82,067
Southwest HS Site Master Plan (2017)	\$ 120,000	\$ 96,404	\$ 23,596		\$ 120,000	\$ 3,224	\$ 91,555
Southwest HS Portable Classroom Replacement	\$ 860,000	\$ 366,925	\$ 493,075		\$ 860,000	\$ 666	\$ 98,786
Southwest HS Title IX	\$ 389,000	\$ 150,463	\$ 238,537	\$ (189,000) [6]	\$ 200,000	\$ -	\$ 115,620
	\$ 2,554,000	\$ 828,993	\$ 1,725,007	\$ (189,000)	\$ 2,365,000	\$ 9,776	\$ 388,027
Southwest Middle School							
Southwest MS Modernization Project 1	\$ 23,215,946	\$ 23,146,660	\$ 69,286		\$ 23,215,946	\$ 1,326,221	\$ 21,603,376
	\$ 23,215,946	\$ 23,146,660	\$ 69,286	\$ -	\$ 23,215,946	\$ 1,326,221	\$ 21,603,376
Sweetwater High School							
Sweetwater HS Food Service Facilities	\$ 1,400,000	\$ 140,684	\$ 1,259,316		\$ 1,400,000	\$ 8,242	\$ 83,089
Sweetwater HS Project 1	\$ 49,879,870	\$ 49,839,601	\$ 40,269		\$ 49,879,870	\$ -	\$ 49,839,601
Sweetwater HS P1 ADA Hygiene RRs	\$ 325,000	\$ 323,422	\$ 1,578		\$ 325,000	\$ 3,149	\$ 255,589
Sweetwater HS P1 Site Improvements	\$ 935,000	\$ 915,023	\$ 19,977		\$ 935,000	\$ -	\$ 873,858
Sweetwater HS Synthetic Track & Field	\$ 3,119,492	\$ 2,932,095	\$ 187,397		\$ 3,119,492	\$ -	\$ 2,932,095
Sweetwater HS Title IX	\$ 354,248	\$ 344,870	\$ 9,378		\$ 354,248	\$ 1,035	\$ 288,907
	\$ 56,013,610	\$ 54,495,695	\$ 1,517,915	\$ -	\$ 56,013,610	\$ 12,426	\$ 54,273,139
New Schools							
Middle School 12/High School 14 [a]	\$ 180,000,000	\$ 33,312,531	\$ 146,687,469		\$ 180,000,000	\$ -	\$ 33,312,531
	\$ 180,000,000	\$ 33,312,531	\$ 146,687,469	\$ -	\$ 180,000,000	\$ -	\$ 33,312,531
Multi-Site							
Abatement Projects (asbestos, lead, etc.) [a]	\$ 686,539	\$ 7,103	\$ 679,436		\$ 686,539	\$ -	\$ 2,852
HVAC Project	\$ 37,000,000	\$ 34,934,268	\$ 2,065,732		\$ 37,000,000	\$ 70	\$ 153,572
MOH & SOH Overhang Assessment & Remediation	\$ 25,000	\$ 17,000	\$ 8,000		\$ 25,000	\$ 2,070	\$ 2,290
Prop 39 Energy Projects [a]	\$ 542,508	\$ -	\$ 542,508		\$ 542,508	\$ -	\$ -



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

I. CONSOLIDATED BUDGET AND EXPENDITURE STATUS MONTHLY REPORT

Site Name/Project Name	Current Budget	Encumbered Budget	Unencumbered Budget	Proposed Revisions This Month	Revised Budget	April 2017 Expenditures	Total Expenditures thru 3/31/17
Prop BB Closeout (CPM, GJH, SOH) [b]	\$ 20,000	\$ 4,970	\$ 15,030		\$ 20,000	\$ -	\$ 4,970
Rehabilitation (Managed by Maint. Dept.)	\$ 2,600,000	\$ 2,593,520	\$ 6,480		\$ 2,600,000	\$ 12,545	\$ 2,540,892
Rehabilitation (Managed by Planning Dept.)	\$ 2,075,000	\$ 1,860,686	\$ 214,314		\$ 2,075,000	\$ -	\$ 1,845,717
	\$ 42,949,047	\$ 39,417,547	\$ 3,531,500	\$ -	\$ 42,949,047	\$ 14,685	\$ 4,550,292
District Administration Centers							
670 L St HVAC & Roof Replacement	\$ 2,000,000	\$ 10,000	\$ 1,990,000		\$ 2,000,000	\$ 10,000	\$ -
District Sites EVAL (3rd Ave, 5th Ave, L St, Moss St)	\$ 250,000	\$ -	\$ 250,000		\$ 250,000	\$ -	\$ -
L St. - Athletics (670 Ste. G)	\$ 374,000	\$ 70,969	\$ 303,031		\$ 374,000	\$ 21,012	\$ 23,225
L St - HVAC 2 (680 Ste. A, B & F)	\$ 174,984	\$ 12,073	\$ 162,911		\$ 174,984	\$ 2,700	\$ 9,373
IT Network Operations Centers [a]	\$ 110,000	\$ 70,322	\$ 39,678		\$ 110,000	\$ -	\$ 68,707
	\$ 2,908,984	\$ 163,363	\$ 2,745,621	\$ -	\$ 2,908,984	\$ 33,712	\$ 101,305
Planning & Operations							
CFD Planning & Operations	\$ 2,083,709	\$ 1,875,808	\$ 207,901		\$ 2,083,709	\$ 53,731	\$ 1,699,723
Fund 40 Construction Legal Services	\$ 850,000	\$ 586,198	\$ 263,802		\$ 850,000	\$ 104,918	\$ 425,000
Prop O Bond Sale 1 Planning & Operations	\$ 11,549,519	\$ 11,502,954	\$ 46,565		\$ 11,549,519	\$ (55,105)	\$ 11,522,588
Prop O Bond Sale 2 Project Management	\$ 4,800,000	\$ 725,223	\$ 4,074,777		\$ 4,800,000	\$ 104,517	\$ 215,661
	\$ 19,283,228	\$ 14,690,182	\$ 4,593,046	\$ -	\$ 19,283,228	\$ 208,061	\$ 13,862,971
Unassigned							
Bond Sale 1 Contingency	\$ 522,882		\$ 522,882	\$ (57,602) [3,4,6]	\$ 465,280	\$ -	\$ -
Bond Sale 2 Contingency Balance	\$ 2,148,086		\$ 2,148,086		\$ 2,148,086	\$ -	\$ -
Bond Sale 3 Project Design	\$ 1,000,000		\$ 1,000,000		\$ 1,000,000	\$ -	\$ -
Fund 35 Contingency	\$ 33,406		\$ 33,406		\$ 33,406	\$ -	\$ -
Fund 40 Contingency Balance	\$ 6,500,000		\$ 6,500,000		\$ 6,500,000	\$ -	\$ -
	\$ 10,204,373	\$ -	\$ 10,204,373	\$ (57,602)	\$ 10,146,771	\$ -	\$ -
Total for Active Projects	\$ 370,009,213	\$ 175,617,206	\$ 194,392,007	\$ 55,673 [1,2,5]	\$ 370,064,886	\$ 1,882,211	\$ 132,427,848

Important Notes:

Please see this report's cover page for details on the *Proposed Revisions This Month*.

[a] These projects have been put on hold, pending staff recommendations on scope of work and Board approval. A majority of these projects had no new activity, therefore an Active Project Monthly Status Report (Section II) was not completed for the month of May 2017.

[b] These projects are in close-out phase (example: pending DSA certification and/or final invoices), therefore an Active Project Monthly Status Report (Section II) was not completed for the month of May 2017.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

I. CONSOLIDATED BUDGET AND EXPENDITURE STATUS MONTHLY REPORT

Site Name/Project Name	Current Budget	Encumbered Budget	Unencumbered Budget	Proposed Revisions This Month	Revised Budget	April 2017 Expenditures	Total Expenditures thru 3/31/17
B. Completed Projects							
BAN Repayment	\$ 4,138,906	\$ 4,138,906	\$ -		\$ 4,138,906	\$ -	\$ 4,138,906
BAN Administrative Costs	\$ 8,776	\$ 8,776	\$ -		\$ 8,776	\$ -	\$ 8,776
Bonita Vista HS HVAC upgrade	\$ 1,270,003	\$ 1,270,003	\$ -		\$ 1,270,003	\$ -	\$ 1,270,003
Bonita Vista HS Bleachers	\$ 309,122	\$ 309,122	\$ -		\$ 309,122	\$ -	\$ 309,122
Bonita Vista MS Upgrades	\$ 1,436,334	\$ 1,436,334	\$ -		\$ 1,436,334	\$ -	\$ 1,436,334
Castle Park HS Title IX Improvements	\$ 1,710,487	\$ 1,710,487	\$ -		\$ 1,710,487	\$ -	\$ 1,710,487
Castle Park HS Title IX	\$ 6,163	\$ 6,163	\$ -		\$ 6,163	\$ -	\$ 6,163
Castle Park MS Asbestos Abatement	\$ 29,336	\$ 29,336	\$ -		\$ 29,336	\$ -	\$ 29,336
Castle Park MS ADA Hygiene Room	\$ 358,461	\$ 358,461	\$ -		\$ 358,461	\$ -	\$ 358,461
CPM: Steven Hawking I Tech Upgrade	\$ 18,739	\$ 18,739	\$ -		\$ 18,739	\$ -	\$ 18,739
Chula Vista HS ORG Port/Mod/Backstop	\$ 2,019,524	\$ 2,019,524	\$ -		\$ 2,019,524	\$ -	\$ 2,019,524
Chula Vista HS Proj 1	\$ 29,029,122	\$ 29,029,122	\$ -		\$ 29,029,122	\$ -	\$ 29,029,122
Chula Vista HS Covered Walkway	\$ 24,550	\$ 24,550	\$ -		\$ 24,550	\$ -	\$ 24,550
Chula Vista MS Proj 1	\$ 11,660,267	\$ 11,660,267	\$ -		\$ 11,660,267	\$ -	\$ 11,660,267
East Hills Academy	\$ 4,294,402	\$ 4,294,402	\$ -		\$ 4,294,402	\$ -	\$ 4,294,402
East Hills Academy Phase II	\$ 782,715	\$ 782,715	\$ -		\$ 782,715	\$ -	\$ 782,715
Eastlake HS Amphitheater/Observatory	\$ 2,390,558	\$ 2,390,558	\$ -		\$ 2,390,558	\$ -	\$ 2,390,558
Eastlake HS Artificial Turf for Quad	\$ 246,482	\$ 246,482	\$ -		\$ 246,482	\$ -	\$ 246,482
Eastlake HS Infill Turf & Senior Lawn	\$ 429,685	\$ 429,685	\$ -		\$ 429,685	\$ -	\$ 429,685
Eastlake HS Learning Center/Science	\$ 926,368	\$ 926,368	\$ -		\$ 926,368	\$ -	\$ 926,368
Eastlake HS Marquee & Scoreboards	\$ 137,148	\$ 137,148	\$ -		\$ 137,148	\$ -	\$ 137,148
Eastlake HS Roof/HVAC Phase 2 (2015)	\$ 1,387,403	\$ 1,387,403	\$ -		\$ 1,387,403	\$ -	\$ 1,387,403
Eastlake HS Roof/HVAC Phase 3 (2016)	\$ 1,914,512	\$ 1,914,512	\$ -		\$ 1,914,512	\$ -	\$ 1,914,512
Eastlake HS Track & Field	\$ 1,987,003	\$ 1,987,003	\$ -		\$ 1,987,003	\$ -	\$ 1,987,003
Granger Jr HS Health Clinic	\$ 268,129	\$ 268,129	\$ -		\$ 268,129	\$ -	\$ 268,129
Granger Jr HS Clinic 2	\$ 99,309	\$ 99,309	\$ -		\$ 99,309	\$ -	\$ 99,309
Fire Alarm Upgrades at Various Sites							
Group 1 - CVM, HTH, MOH	\$ 1,360,194	\$ 1,360,194	\$ -		\$ 1,360,194	\$ -	\$ 1,360,194
Group 2 - CVH, SOM, SUH	\$ 279,021	\$ 279,021	\$ -		\$ 279,021	\$ -	\$ 279,021
Group 3 - 10 sites	\$ 2,562,714	\$ 2,562,714	\$ -		\$ 2,562,714	\$ -	\$ 2,562,714
Group 4 - MVH, SOH	\$ 839,540	\$ 839,540	\$ -		\$ 839,540	\$ -	\$ 839,540
Hilltop HS Proj 1	\$ 23,806,924	\$ 23,806,924	\$ -		\$ 23,806,924	\$ -	\$ 23,806,924
Hilltop HS Ramp Replacement	\$ 40,285	\$ 40,285	\$ -		\$ 40,285	\$ -	\$ 40,285
Hilltop HS Retaining Wall Replacement	\$ 196,442	\$ 196,442	\$ -		\$ 196,442	\$ -	\$ 196,442
Hilltop MS Fans	\$ 58,847	\$ 58,847	\$ -		\$ 58,847	\$ -	\$ 58,847
Hilltop MS Science Design	\$ 23,700	\$ 23,700	\$ -		\$ 23,700	\$ -	\$ 23,700
iPad Initiative	\$ 1,800,000	\$ 1,800,000	\$ -		\$ 1,800,000	\$ -	\$ 1,800,000
Long Range Fac. Master Plan Update	\$ 399,166	\$ 399,166	\$ -		\$ 399,166	\$ -	\$ 399,166
L St - HVAC (656 & 670 Ste. A & B)	\$ 66,766	\$ 66,766	\$ -		\$ 66,766	\$ -	\$ 66,766
L St - Access. Improvements (670 & 680)	\$ 75,016	\$ 75,016	\$ -		\$ 75,016	\$ 3,673	\$ 71,343
MAAC Charter School	\$ 45,314	\$ 45,314	\$ -		\$ 45,314	\$ -	\$ 45,314
Mar Vista HS Proj 1	\$ 9,647,480	\$ 9,647,480	\$ -		\$ 9,647,480	\$ -	\$ 9,647,480
Mar Vista Title IX (Backstop & Seating)	\$ 11,720	\$ 11,720	\$ -		\$ 11,720	\$ -	\$ 11,720
Mar Vista HS Title IX	\$ 530,435	\$ 530,435	\$ -		\$ 530,435	\$ -	\$ 530,435
Montgomery HS Proj 1	\$ 25,622,719	\$ 25,622,719	\$ -		\$ 25,622,719	\$ -	\$ 25,622,719
Montgomery HS Proj 2	\$ 23,062,376	\$ 23,062,376	\$ -		\$ 23,062,376	\$ -	\$ 23,062,376
Montgomery HS Gym Struct'l Upgrade	\$ 128,497	\$ 128,497	\$ -		\$ 128,497	\$ -	\$ 128,497
Montgomery HS Tennis Court Upgrade	\$ 30,664	\$ 30,664	\$ -		\$ 30,664	\$ -	\$ 30,664
Montgomery HS Title IX	\$ 211,287	\$ 211,287	\$ -		\$ 211,287	\$ -	\$ 211,287
Montgomery MS Canopy Repair	\$ 137,267	\$ 137,267	\$ -		\$ 137,267	\$ -	\$ 137,267
Montgomery MS Proj 1	\$ 25,142,577	\$ 25,142,577	\$ -		\$ 25,142,577	\$ -	\$ 25,142,577
National City Adult Cisco Lab	\$ 70,558	\$ 70,558	\$ -		\$ 70,558	\$ -	\$ 70,558
National City MS Proj 1	\$ 13,027,186	\$ 13,027,186	\$ -		\$ 13,027,186	\$ -	\$ 13,027,186
National City MS - Proj 2	\$ 15,121,419	\$ 15,121,419	\$ -		\$ 15,121,419	\$ 24,988	\$ 15,096,431
New School (OLH & ORH)- Furniture & Equipment	\$ 107,539	\$ 107,539	\$ -		\$ 107,539	\$ -	\$ 107,539
Olympian HS (HS 13)	\$ 124,162,786	\$ 124,162,786	\$ -		\$ 124,162,786	\$ -	\$ 124,162,786
Olympian HS Title IX	\$ 28,403	\$ 28,403	\$ -		\$ 28,403	\$ -	\$ 28,403



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

I. CONSOLIDATED BUDGET AND EXPENDITURE STATUS MONTHLY REPORT

Site Name/Project Name	Current Budget	Encumbered Budget	Unencumbered Budget	Proposed Revisions This Month	Revised Budget	April 2017 Expenditures	Total Expenditures thru 3/31/17
Otay Ranch HS Concession Stand	\$ 64,639	\$ 64,639	\$ -		\$ 64,639	\$ -	\$ 64,639
Otay Ranch HS Drainage Alterations	\$ 114,368	\$ 114,368	\$ -		\$ 114,368	\$ -	\$ 114,368
Otay Ranch HS Stadium Light Poles	\$ 349,011	\$ 349,011	\$ -		\$ 349,011	\$ -	\$ 349,011
Otay Ranch HS Track & Field Replacem't	\$ 1,012,030	\$ 1,012,030	\$ -		\$ 1,012,030	\$ -	\$ 1,012,030
Power Purchase Agreement	\$ 385,484	\$ 385,484	\$ -		\$ 385,484	\$ -	\$ 385,484
Prop BB Closeout 2011-12	\$ 79,147	\$ 79,147	\$ -		\$ 79,147	\$ -	\$ 79,147
Prop BB Closeout 2012-13	\$ 32,519	\$ 32,519	\$ -		\$ 32,519	\$ -	\$ 32,519
Prop BB Closeout 2013-14	\$ 2,094	\$ 2,094	\$ -		\$ 2,094	\$ -	\$ 2,094
Prop BB Closeout 2014-15	\$ 25,398	\$ 25,398	\$ -		\$ 25,398	\$ -	\$ 25,398
Rancho Del Rey MS	\$ 1,655	\$ 1,655	\$ -		\$ 1,655	\$ -	\$ 1,655
Rancho Del Rey MS Fire Hydrant	\$ 80,416	\$ 80,416	\$ -		\$ 80,416	\$ -	\$ 80,416
Relocatable Classrooms 2014-2015	\$ 2,902,779	\$ 2,902,779	\$ -		\$ 2,902,779	\$ -	\$ 2,902,779
Roof Defects	\$ 284,687	\$ 284,687	\$ -		\$ 284,687	\$ -	\$ 284,687
San Ysidro HS Roof Rehabilitation	\$ 56,866	\$ 56,866	\$ -		\$ 56,866	\$ -	\$ 56,866
San Ysidro HS Phase 2 CTE	\$ 1,003,555	\$ 1,003,555	\$ -		\$ 1,003,555	\$ -	\$ 1,003,555
San Ysidro HS Stadium Light Poles	\$ 396,995	\$ 396,995	\$ -		\$ 396,995	\$ -	\$ 396,995
San Ysidro HS Title IX	\$ 21,638	\$ 21,638	\$ -		\$ 21,638	\$ -	\$ 21,638
Smartboards - CPH & MVM	\$ 27,042	\$ 27,042	\$ -		\$ 27,042	\$ -	\$ 27,042
Southwest HS Modernization Project 1	\$ 20,354,008	\$ 20,354,008	\$ -		\$ 20,354,008	\$ 1,978,588	\$ 18,375,420
Southwest HS Security Fencing	\$ 14,068	\$ 14,068	\$ -		\$ 14,068	\$ -	\$ 14,068
Technology Infrastructure	\$ 3,615,892	\$ 3,615,892	\$ -		\$ 3,615,892	\$ -	\$ 3,615,892
Various Sites Ceiling Fans	\$ 147,113	\$ 147,113	\$ -		\$ 147,113	\$ -	\$ 147,113
Total for Completed Projects	\$ 366,451,751	\$ 366,451,751	\$ -	\$ -	\$ 366,451,751	\$ 2,007,249	\$ 364,444,503
Total for Active & Completed Projects	\$ 736,460,964	\$ 542,068,957	\$ 194,392,007	\$ 55,673	\$ 736,516,637	\$ 3,889,460	\$ 496,872,351

Active Projects Monthly Status Report

The purpose of the attached reports is to provide a comprehensive construction summary and progress report of the Sweetwater Union High School District's capital projects. The report includes project description, construction status, breakdown of budget and expenditures by cost group, budget history and commitments, project status photos and key issues.

The District's Planning & Construction has prepared an *Active Project Monthly Status Report* for all active projects. A Report will not be completed for projects on hold or in close-out phase.

Note: In some cases, the expended amounts within this report may differ slightly from the information provided in Section I. This is due to rounding and the number of digits used in the reports.

Section



Important Notes:

Current Budget Amounts include budget revisions approved by the District's Board of Trustees on 5/22/2017 (Board Agenda Item M-1).

Construction Status Thru May 2017

Financial Status Thru 4/30/2017

Prepared by:

Sweetwater Union High School District
Planning & Construction Department
(619) 691-5553



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Bonita Vista High School
Funding Source: Prop O Bond Sale 1 & 2 Fund 22 and Mello-Roos Fund 49
PM/PS: Larry Moen/Allie Serrano
Project Name: BVH Artificial Track & Field
A-E/Contractor: Little Diversified/TBD
Inspector: TBD

Project Description: Demolition of existing Track & Field components, existing bleachers and certain entry improvements. Removal and salvage of certain existing components and equipment per site. Construction of new synthetic track & field, metal bleachers, stadium lights, entry improvements, a toilet/concessions building, press box, and ticket booth.

Construction Status:

DSA In: 12/27/2013	Contract Duration: TBD	% Complete: TBD
DSA Out: 06/05/2014	Contract Start Date: 00/00/0000	Estimated Completion: TBD
ID No.: XX-XXXX-LM	Original Completion: 00/00/0000	Estimated Occupancy: TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	4,994,339	Initial Contracted AMT	489,231
Soft Cost	721,339	489,231	298,907	Approved Changes	-	Construction Contract COs	-
Hard Cost	3,900,000	-	-	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	4,994,339	Total	489,231
Contingency	373,000	-	-	Budgeted Contingency	7.5%	Budget Committed	9.8%
Total	4,994,339	489,231	298,907	Original Budget approved on 03/14/2016.			
Budgeted Hard Cost		78.1%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: This project is for the design of an artificial track and field, electrical infrastructure for stadium lights, bleachers and restrooms was approved by DSA on June 5, 2014. Funding for the project was approved by the board at the March 14, 2016 meeting. The District has proposed upgrades to this project beyond the DSA approved documents to include stadium lighting, increase the seating from 1,500 to 3,000, PA system and add a press box to this project to make it comparable to other district fields. Our environmental consultant, Dudek, has issued a revised draft Environmental Impact Report (EIR). The District has reviewed the correction and requires more detail on the traffic and noise issues. Dudek is reviewing this request. The final EIR report for public review has been moved to address the comments.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

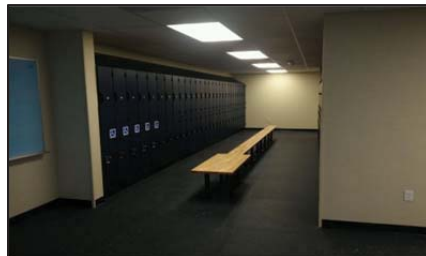
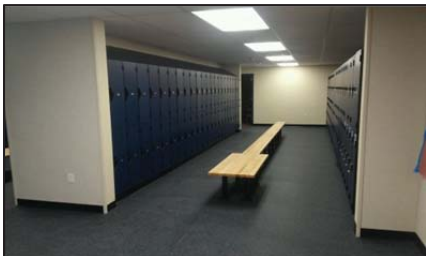
II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Bonita Vista High School
Funding Source: CSFF Fund 35
PM/PS: Larry Moen/Allie Serrano
Project Name: BVH Title IX (Girls Locker Room)
A-E/Contractor: Lord Architecture, Inc./ M.A. Stevens Construction, Inc.
Inspector: Knowland Construction Services

Project Description: Demolition of existing carport structure and installation of a new 24' X 60' relocatable for Girls' locker room use. This relocatable will include lockers, a meeting area, coaches' offices, and ADA accessibility improvements.

Construction Status:							
DSA In:	06/30/2016	Contract Duration:	60 Days	% Complete:	99		
DSA Out:	06/30/2016	Contract Start Date:	11/11/2016	Estimated Completion:	03/15/2017		
ID No.:	67-2577-LM	Original Completion:	02/01/2017	Estimated Occupancy:	04/03/2017		
Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	205,000	Initial Contracted AMT	395,857
Soft Cost	41,425	38,861	19,997	Approved Changes	225,335	Construction Contract COs	18,192
Hard Cost	376,610	370,206	294,189	Pending Changes	-	Other Contract Changes	-
FF&E	5,225	4,981	4,225	Total	430,335	Total	414,049
Contingency	7,075	-	-	Budgeted Contingency	4.1%	Budget Committed	96.2%
Total	430,335	414,048	318,411	Original Budget approved on 12/14/2015.			
Budgeted Hard Cost	87.5%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: The bid price of M.A. Stevens Construction Inc. was \$352,000 and the original construction project budget was \$175,000. On July 25, 2016 staff requested additional funding of \$100,000 to support actual construction costs. Bids were open on September 29, 2016 and on October 24, 2016 staff requested \$125,335 in additional funds to award to the second bidder (M.A. Stevens) because low bid of \$166,900 withdrew their bid. The Board of Trustees approved staff's recommendations for additional funds.

The project is complete and substantial completion walk held on April 7, 2017. The contractor will work on the corrective list. Planning & Construction Department is working with the Division of State Architect (DSA) staff for project certification.

Construction Contract Change Orders:

BVH Title IX (Girls Locker Room) – M.A. Stevens Construction, Inc., Bid 67-2577-LM, DSA 04-115417
 CO 1 – Upgrades door hardware to panic device. \$18,191.70 – Approved by the BOT on 05/08/17 = 5.17%



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Bonita Vista Middle School
Funding Source: Prop O Bond Sale 2 Fund 22
PM/PS: Larry Moen/Indrani Gonzalez
Project Name: BVM Site Master Plan
A-E/Contractor: Webb-Cleff Architects/TBD
Inspector: TBD

Project Description: Site Master Plan Projects are in compliance with Board Policy BP 7110(a), Facilities Master Plan. The policy explains that site master plans should be updated at least every five years or as needed. The scope includes refreshing of the master plans, assistance in facilitating the pursuit of funding (e.g. associated with state bond funding), the incorporation of educational program changes, and/or changes of technology that impact facility needs. In addition, soils surveying, underground utility detection and site surveying will be performed to facilitate design and planning.

Construction Status:

DSA In: N/A	Contract Duration: N/A	% Complete: N/A
DSA Out: N/A	Contract Start Date: N/A	Estimated Completion: N/A
ID No.: N/A	Original Completion: N/A	Estimated Occupancy: N/A

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	2,990,000	Initial Contracted Amount	-
Soft Cost	120,000	-	-	Approved Changes	(2,870,000)	Construction Contract COs	-
Hard Cost	-	-	-	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	120,000	Total	-
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	0.0%
Total	120,000	-	-	Original Budget approved on 03/29/2016.			
Budgeted Hard Cost		0.0%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: On January 23, 2017, to the Board of Trustees approved staff's recommendations for the reallocation of the Proposition O Bond Sale 2 funds. The recommendations included the renaming of this project to "Bonita Vista Middle Site Master Plan" and decreasing the existing budget to \$120,000. BVH Selection committee reviewed proposals and interviewed three (3) AE firms on April 18, 2017. Webb-Cleff Architects has been selected to prepare the Site Master Plan. The fee is \$22,000.00 and will go for BOT approval on June 12, 2017.

Construction Contract Change Orders: None.

SWEETWATER UNION HIGH SCHOOL DISTRICT
Capital Projects Report
II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: June 7, 2017	PM/PS: Janea Quirk/Stephanie Napier
Site: Castle Park High School	Project Name: CPH Band Rm. Abatement/Remediation
Funding Source: CSFF Fund 35	A-E/Contractor: BWE/GEM Industrial
	Inspector: Construction Quality Assurance Group(CQAG)

Project Description: Removing roof overhang at band room and installing exterior gutter and downspouts. Replacing in-kind damaged sheathing, stud framing members and corroded anchor bolts. Patching and exterior finishing as required.

Construction Status:							
DSA In:	N/A	Contract Duration:		34 working days	% Complete:	100%	
DSA Out:	N/A	Contract Start Date:		12/14/2016	Estimated Completion:	01/31/2017	
ID No.:	67-2592-JQ	Completion Date:		01/31/2017	Estimated Occupancy:	01/31/2017	
Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	166,461	Initial Contracted AMT	129,326
Soft Cost	17,241	14,397	8,288	Approved Changes	-	Construction Contract COs	19,660
Hard Cost	149,220	141,482	108,588	Pending Changes	-	Other Contract Changes	6,892
FF&E	-	-	-	Total	166,461	Total	155,879
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	93.6%
Total	166,461	155,879	116,876	Original Budget approved on 03/29/2016. Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			
Budgeted Hard Cost	89.6%						

Project Status/Comments:



Summary - Key Issues: The initial contract #56-2552-GP for fungal remediation and asbestos abatement at building 1200-band room was ratified by the board on 3/14/16 Item N-4. When the interior walls were removed during the performance of the contract, it was discovered that the damage to the exterior stucco was extensive. The affected stucco was removed leaving exterior areas of the building exposed. The exterior walls were covered with commercial plastic protection temporarily.

Construction was completed by 12/31/16. The exterior coating, and interior work was all deemed acceptable and approved by district staff and the Inspector of Record.

Painting is complete. Flooring will be installed on June 8, 2017.

Construction Contract Change Orders:

Fungal remediation and asbestos abatement - S & J Builders, Bid 56-2552-GP, (non DSA bid)
Revision 1-Add asbestos abatement on exterior stucco per Section B of Bid. \$21,200.00-Approved by BOT 3/14/16 Item N-4
CO 1 – Provide roof cover protection. \$1,234.94-Ratified by BOT 6/27/16 Item N-3.-2% CO



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Revision 2- No Competitive bid advantage for work performed at Castle Park High School-When interior walls were removed during the performance of this contract, it was discovered that the damage to the exterior stucco was extensive. The cost to cover the exterior walls is \$3,917.64, as required by the maintenance department and by risk management. This exceeded the ten percent limit for change orders as allowed by Public contract Code 20118.4/20659. There was no competitive advantage to the district for this work to be competitively bid due to the following reasons:

- Advertising and bid preparation costs make it cost prohibitive to bid such a low dollar project
- S&J Builders and Restoration Services was already working at the site on this project and would therefore, have an advantage over other bidders making it difficult to ensure a fair bid with all bidders as equal players.-Ratified by BOT 6/27/16 Item N-4

Fascia replacement and external structural reinforcement - GEM Industrial Electric, Inc., Bid 67-2592-JQ, (non DSA bid)
Allowance Return (\$6,692.44) – 13.43% decrease

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update:	June 7, 2017	PM/PS:	Janea Quirk/Stephanie Napier
Site:	Castle Park High School	Project Name:	CPH Gym Bleachers
Funding Source:	CSFF Fund 35 and Prop O Bond Sale 2 Fund 22	A-E/Contractor:	Harley Ellis Devereaux Corp/M.A. Stevens
		Inspector:	Construction Quality Assurance Group

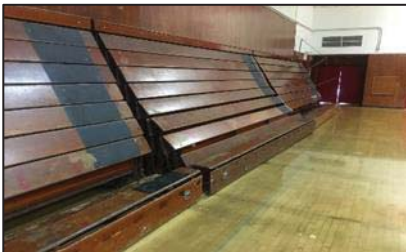
Project Description: The project scope includes the replacement of the gym bleachers with new telescoping bleachers, removal of wood wall paneling and installation of wall mats on side walls, and relocation of the drinking fountain inside the gym. The restroom and foyer renovation require expansion of the restrooms to meet ADA and capacity requirements, ADA compliance of the ticket booth, refurbishing of the foyer, path of travel upgrades, and replacement of underground plumbing from fixtures to existing lateral connection outside the building. The gym floor will be sanded, repainted and sealed.

Construction Status:

DSA In:	08/25/2016	Contract Duration:	TBD	% Complete:	TBD
DSA Out:	02/23/2017	Contract Start Date:	05/05/2017	Estimated Completion:	TBD
ID No.:	67-2616-JQ	Original Completion	10/15/2017	Estimated Occupancy:	TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	400,000	Initial Contracted AMT	124,213
Soft Cost	79,554	62,274	29,477	Approved Changes	535,000	Construction Contract CO's	-
Hard Cost	822,513	85,018	-	Pending Changes	-	Other Contract Changes	23,079
FF&E	-	-	-	Total	935,000	Total	147,292
Contingency	32,933	-	-	Budgeted Contingency	11.4%	Budget Committed	16.4%
Total	935,000	147,292	29,477	Original Budget approved on 12/14/2015. \$500k approved 1/23/17			
Budgeted Hard Cost		88.0%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: On January 23, 2017, to the Board of Trustees approved staff's recommendations for the reallocation of the Proposition O Bond Sale 2 funds. The recommendations included the allocation of \$500,000 to this project, to bring the updated budget to \$900,000. Project budget was increased due to the extent of work required to achieve compliance in the restrooms to current code.

Construction estimate is valued at \$733,000 with conservative soft costs, project is currently tracking at \$931,818.88.

The bleachers have an 8-12 week manufacturing lead time, 2 weeks of transport, and 3 weeks of installation coordination of the bleachers. Floor remediation is imperative.

The project was rebid and the previous bid with CPH and SOH combined were rescinded. Only one (1) bid was received at bid opening, which came in over budget. The project has been re-advertised, bids were opened on May 3, 2017 and were approved at the May 22, 2017 board meeting for approval and award. Construction began on June 5, 2017. Scheduled to be complete September 29, 2017.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: June 8, 2017
Site: Castle Park High School
Funding Source: Prop O Bond Sale 2

PM/PS: Janea Quirk/Stephanie Napier
Project Name: CPH Site Master Plan
A-E/Contractor: Harley Ellis Devereaux Corp./TBD
Inspector: TBD

Project Description: Site Master Plan Projects are in compliance with Board Policy BP 7110(a), Facilities Master Plan. The policy explains that site master plans should be updated at least every five years or as needed. The scope includes refreshing of the master plans, assistance in facilitating the pursuit of funding (e.g. associated with state bond funding), the incorporation of educational program changes, and/or changes of technology that impact facility needs. In addition, soils surveying, underground utility detection and site surveying will be performed to facilitate design and planning.

Construction Status:

DSA In: N/A	Contract Duration: N/A	% Complete: N/A
DSA Out: N/A	Contract Start Date: N/A	Estimated Completion: N/A
ID No.: N/A	Completion Date: N/A	Estimated Occupancy: N/A

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	5,730,000	Initial Contracted AMT	102,249
Soft Cost	120,000	102,249	30,928	Approved Changes	(5,610,000)	Construction Contract COs	-
Hard Cost	-	-	-	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	120,000	Total	102,249
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	85.2%
Total	120,000	102,249	30,928	Original Budget approved on 03/14/2016.			
Budgeted Hard Cost		0.0%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Castle Park High School

1395 Hilltop Drive
 Chula Vista, CA 91911

Summary - Key Issues: On January 23, 2017, to the Board of Trustees approved staff's recommendations for the reallocation of the Proposition O Bond Sale 2 funds. The recommendations included the renaming of this project to "Castle Park High School Site Master Plan" and decreasing the existing budget to \$120,000.

Construction Contract Change Orders: None.

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Castle Park High School
Funding Source: Deferred Maintenance Fund 14
PM/PS: Armando Murillo/Allie Serrano
Project Name: Scoreboard
A-E/Contractor: TBD/TBD
Inspector: TBD

Project Description: The project scope is to remove and replace existing scoreboard with new. New scoreboard was donated by International Brotherhood of Electrical Workers (IBEW) Local 569.

Construction Status:

DSA In:	05/05/2017	Contract Duration:	TBD	% Complete:	30%
DSA Out:	05/05/2017	Contract Start Date:	00/00/0000	Estimated Completion Date:	TBD
ID No.:	XX-XXXX-AM	Original Completion:	00/00/0000	Estimated Occupancy:	TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	5,500	Initial Contracted AMT	5,500
Soft Cost	5,500	5,500	2,685	Approved Changes	-	Construction Contract Cos	-
Hard Cost	-	-	-	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	5,500	Total	5,500
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	100.0%
Total	5,500	5,500	2,685	Original Budget approved on 01/10/2017.			
Budgeted Hard Cost	0.0%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: Division of the State Architect (DSA) approval has been obtained, and additional project funding has been requested. Additional funding is expected after new FY 17/18 after July 1, 2017. Once funding is provided, the bid package will be completed and advertise process started.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: June 8, 2017
Site: Castle Park Middle School
Funding Source: Prop O Bond Sale 2 Fund 22
PM/PS: Janea Quirk/Stephanie Napier
Project Name: CPM Site Master Plan
A-E/Contractor: TBD/TBD
Inspector: TBD

Project Description: Site Master Plan Projects are in compliance with Board Policy BP 7110(a), Facilities Master Plan. The policy explains that site master plans should be updated at least every five years or as needed. The scope includes refreshing of the master plans, assistance in facilitating the pursuit of funding (e.g. associated with state bond funding), the incorporation of educational program changes, and/or changes of technology that impact facility needs. In addition, soils surveying, underground utility detection and site surveying will be performed to facilitate design and planning.

Construction Status:

DSA In:	N/A	Contract Duration:	N/A	% Complete:	N/A
DSA Out:	N/A	Contract Start Date:	N/A	Estimated Completion:	N/A
ID No.:	N/A	Completion Date:	N/A	Estimated Occupancy:	N/A
Summary Status				Original Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted
Site Cost	-	-	-	Initial Amount	2,990,000
Soft Cost	120,000	-	-	Approved Changes	(2,870,000)
Hard Cost	-	-	-	Pending Changes	-
FF&E	-	-	-	Total	120,000
Contingency	-	-	-	Budgeted Contingency	0.0%
Total	120,000	-	-	Original Budget approved on 03/29/2016.	
Budgeted Hard Cost		0.0%			
				Committed Budget	
				Commitment Status	Committed
				Initial Contracted AMT	-
				Contract Construction COs	-
				Other Contract Changes	-
				Total	-
				Budget Committed	0.0%
Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.					

Project Status/Comments:



Castle Park Middle School

160 Quintard Street
Chula Vista, CA 91911

Summary - Key Issues: On January 23, 2017, to the Board of Trustees approved staff's recommendations for the reallocation of the Proposition O Bond Sale 2 funds. The recommendations included the renaming of this project to "Castle Park High School Site Master Plan" and decreasing the existing budget to \$120,000.

A proposal has been requested by the architect.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update:	May 31, 2017	PM/PS:	Trent Carr/Mary King
Site:	Chula Vista High School	Project Name:	CVH Relocatable Classrooms 2017-18
Funding Source:	CFF Fund 25	A-E/Contractor:	RNT/TBD
		Inspector:	TBD

Project Description: Addition of four relocatable classrooms at Chula Vista High School. The project will include the purchase, installation and furnishing of four relocatable classrooms, and is expected to be completed during the 2017-2018 school year. The relocatable classrooms will help address the projected enrollment increase at the school site from residential development.

Construction Status:

DSA In:	00/00/0000	Contract Duration:	TBD	% Complete:	TBD
DSA Out:	00/00/0000	Contract Start Date:	00/00/0000	Estimated Completion:	TBD
ID No.:	XX-XXXX-TC	Original Completion:	00/00/0000	Estimated Occupancy:	TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	1,245,000	Initial Contracted Amount	300,163
Soft Cost	173,000	27,000	-	Approved Changes	-	Construction Contract COs	-
Hard Cost	862,000	273,163	-	Pending Changes	-	Other Contract Changes	-
FF&E	210,000	-	-	Total	1,245,000	Total	300,163
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	200.1%
Total	1,245,000	300,163	-	Original Budget approved on 02/27/2017.			
Budgeted Hard Cost		69.2%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: The DSA Review Phase was completed on May 26th, the Bid Opening is scheduled for June 30th and be submitted to the July 24th Board Meeting. The Construction Phase is scheduled to be completed by Mid-November.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Chula Vista High School
Funding Source: Prop O Bond Sale 2 Fund 22

PM/PS: Trent Carr/Mary King
Project Name: CVH Site Master Plan
A-E/Contractor: RNT/NA
Inspector: NA

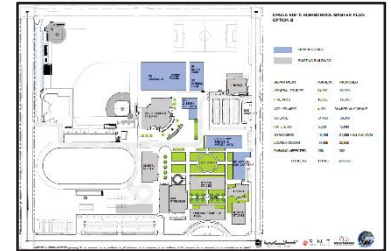
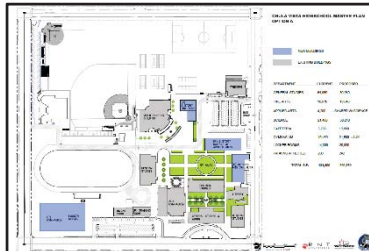
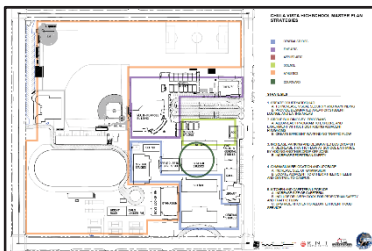
Project Description: Site Master Plan Projects are in compliance with Board Policy BP 7110(a), Facilities Master Plan. The policy explains that site master plans should be updated at least every five years or as needed. The scope includes refreshing of the master plans, assistance in facilitating the pursuit of funding (e.g. associated with state bond funding), the incorporation of educational program changes, and/or changes of technology that impact facility needs. In addition, soils surveying, underground utility detection and site surveying will be performed to facilitate design and planning.

Construction Status:

DSA In: N/A	Contract Duration: N/A	% Complete: N/A
DSA Out: N/A	Contract Start Date: N/A	Estimated Completion: N/A
ID No.: N/A	Original Completion: N/A	Estimated Occupancy: N/A

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	5,300,000	Initial Contracted Amount	29,000
Soft Cost	80,000	29,000	8,700	Approved Changes	(5,180,000)	Construction Contract COs	-
Hard Cost	-	-	-	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	120,000	Total	29,000
Contingency	40,000	-	-	Budgeted Contingency	5.0%	Budget Committed	24.2%
Total	120,000	29,000	8,700	Original Budget approved on 03/29/2016.			
Budgeted Hard Cost 0.0%				Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: On 01/23/17, the Board of Trustees approved staff's recommendations for the reallocation of the Proposition O Bond Sale 2 funds. The recommendations included the renaming of this project to "Chula Vista High School Site Master Plan" and decreasing the existing budget to \$120,000. RNT Architects is currently 50% complete on the Master Plan for Chula Vista High School.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Chula Vista High School
Funding Source: Prop O Bond Sale 1 Fund 22
PM/PS: Armando Murillo/Mary King
Project Name: CVH Title IX Softball Team Room
A-E/Contractor: Roesling-Nakamura Architects, Inc. / GEM Construction
Inspector: Construction Quality Assurance Group, LLC

Project Description: Add a girls' softball team room and modify the existing parking lot, sidewalks, and restrooms at the existing softball field at Chula Vista High School.

Construction Status:

DSA In: 10/06/2015	Contract Duration: 80 Days	% Complete: 100%
DSA Out: 02/10/2016	Contract Start Date: 06/15/2016	Estimated Completion: 05/01/2017
ID No.: 56-2530-RB	Original Completion: 09/05/2016	Estimated Occupancy: 05/01/2017

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	43,000	Initial Contracted Amount	382,569
Soft Cost	124,738	107,670	86,852	Approved Changes	417,000	Construction Contract COs	(990)
Hard Cost	317,209	299,473	215,482	Pending Changes	-	Other Contract Changes	38,774
FF&E	12,832	13,210	8,596	Total	460,000	Total	420,353
Contingency	5,221	-	-	Budgeted Contingency	17.3%	Budget Committed	91.4%
Total	460,000	420,353	310,930	Original Budget approved on 11/18/2013.			
Budgeted Hard Cost	69.0%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: The project budget was initially approved in November 2013 for \$43,000. An increase in scope and budget was approved on December 2013 for \$132,000. A final increase in scope and budget was approved on April 2016 for \$285,000. This established the current project budget of \$460,000. The Softball Team Room has been turned over to the School and is in use. FF&E materials are on order and expected in early June. The additional netting above Softball Field batter's box will be installed in early June as well.

Construction Contract Change Orders:

CVH Title IX Softball Team Room, Cyber Professional Solutions Corp, Bid #56-2530-RB, DSA 04-114674

CO 1 – Provide full height wall and blocking in new locker room. Install electrical boxes and relocate boxes and conduit due to interference with ramp installed to comply with ADA requirements. \$5,673.08 – Ratified by the BOT on 11/14/16 = 2.64%

CO 2 – Reimbursement for additional work required due to corrective foundation work. (\$5,134.00) – Approved by the BOT on 2/27/17 = .25%

CVH Softball Team Room Lockers, GEM Industrial Electric Inc., Bid #67-2600-AM, DSA 04-114674

CO 1 – Provide and install two new Lithonia light fixtures. \$3,604.66 – Ratified by the BOT on 4/24/17 = 5.43%



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Eastlake High School
Funding Source: Mello-Roos Fund 49
PM/PS: Larry Moen/Allie Serrano
Project Name: ELH Relocatable Classrooms 2017-2018
A-E/Contractor: CSDA Design Group/ TBD
Inspector: TBD

Project Description: Add 10 new relocatable classrooms to assist in accommodating student population growth. This project will also add two (2) relocatable restroom units (boys/girls/staff) to the campus. ADA upgrades will be performed in conjunction with this work as required by the Division of State Architect (DSA). The site master plan will be completed and approved in conjunction with this work.

Construction Status:

DSA In: 00/00/0000	Contract Duration: TBD	% Complete: TBD
DSA Out: 00/00/0000	Contract Start Date: 00/00/0000	Estimated Completion: TBD
ID No.: XX-XXXX-LM	Original Completion: 00/00/0000	Estimated Occupancy: TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	1,000,000	Initial Contracted AMT	283,055
Soft Cost	693,000	283,055	47,387	Approved Changes	51,660	Construction Contract COs	-
Hard Cost	358,660	-	-	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	1,051,660	Total	283,055
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	26.9%
Total	1,051,660	283,055	47,387	Original Budget approved on 01/25/16.			
Budgeted Hard Cost		34.1%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Eastlake High School

1120 Eastlake Parkway
Chula Vista, CA 91915

Summary - Key Issues: On March 29, 2016 & May 23, 2016, to the Board of Trustees approved staff's recommendations for additional funds. The recommendations included the allocation of \$51,660 to this project, to bring the updated budget to \$1,051,660. Project budget increase is from the unused funds on the previous 2014 and 2015 relocatable projects.

May 4 and 12, 2017 stakeholders met and reviewed the initial site master plan from CSDA Design Group. Stakeholder comments were submitted to CSDA. The next meeting will be in June 2017.

The ELH portable project addressed DSA requirement for a geotechnical/soil report. The report was submitted to the District on May 19, 2017 and being reviewed by the consultant and District staff. The consultant submitted a project estimate for the project on May 19, 2017 and District staff is reviewing. Planning & Construction Department will review funding and schedule with District staff.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update:	May 31, 2017	PM/PS:	Larry Moen/Allie Serrano
Site:	Eastlake High School	Project Name:	ELH HVAC Roof/HVAC Phase 4 (2017)
Funding Source:	Mello-Roos Fund 49	A-E/Contractor:	TBD/TBD
		Inspector:	TBD

Project Description: Remove existing HVAC units (existing curbs and platforms to remain) and replace with energy-efficient units with curb adapters of similar size and weight as specified in plans. Remove existing exhaust fans and replace with new specified units. Remove existing skylights and miscellaneous roof attachments and replace with new specified elements. Remove all layers of existing roofing and replace with new roofing.

Construction Status:							
DSA In:	00/00/0000	Contract Duration:	TBD	% Complete:	TBD		
DSA Out:	00/00/0000	Contract Start Date:	00/00/0000	Estimated Completion:	TBD		
ID No.:	XX-XXXX-LM	Original Completion:	00/00/0000	Estimated Occupancy:	TBD		
Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	1,923,085	Initial Contracted AMT	68,683
Soft Cost	77,683	68,683	5,355	Approved Changes	-	Construction Contract COs	-
Hard Cost	1,845,402	-	-	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	1,923,085	Total	68,683
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	3.6%
Total	1,923,085	68,683	5,355	Original Budget to be approved on 11/14/2016.			
Budgeted Hard Cost		96.0%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Eastlake High School

1120 EastLake Parkway
Chula Vista, CA 91915

Summary - Key Issues: The project will include the Roof/HVAC replacement for Buildings 800 (Science Bldg.), Library, IT buildings and Counseling Center (HVAC only). Budget for this project is the remaining balance from Phase 2 & 3. Additional funding may be required. This project is waiting for revised roof specification from the San Diego County of Education. Construction schedule has moved to the summer break of 2018.

Construction Contract Change Orders: None



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Eastlake High School
Funding Source: Mello-Roos Fund 49
PM/PS: Larry Moen/Allie Serrano
Project Name: ELH Title IX (Softball Storage Bldg. Renovation)
A-E/Contractor: BWE, Inc./TBD
Inspector: TBD

Project Description: This project included creating a girls' softball practice field (completed May 18, 2016/GEM); purchase of a portable backstop (completed Feb. 2016); batting cage lighting (completed April 11, 2016/Farnum Electric); Girls softball coach's office improvements to improve the interior finishes in the softball coach's office.

Construction Status:

DSA In: 00/00/0000	Contract Duration: TBD	% Complete: TBD
DSA Out: 00/00/0000	Contract Start Date: 00/00/0000	Estimated Completion: TBD
ID No.: XX-XXXX-LM	Original Completion: 00/00/0000	Estimated Occupancy: TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	240,000	Initial Contracted AMT	81,857
Soft Cost	58,300	46,994	36,789	Approved Changes	-	Construction Contract COs	-
Hard Cost	176,275	29,795	28,625	Pending Changes	-	Other Contract Changes	(176)
FF&E	5,425	4,893	4,893	Total	240,000	Total	81,681
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	34.0%
Total	240,000	81,681	70,306	Original Budget approved on 12/14/2015.			
Budgeted Hard Cost		73.4%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: This project will add finishes to the interior of the coach's office and ADA compliance corrections required by the Division of State Architect (DSA). The existing building is in the process of DSA document review for certification. BWE, Inc. has reviewed DSA comments and met with District staff. BWE, Inc. staff are making the revision and resubmission in June 2017.

Construction Contract Change Orders: None.

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Hilltop High School
Funding Source: CSFF Fund 35

PM/PS: Trent Carr/Mary King
Project Name: HTH Title IX
A-E/Contractor: SUHSD/SD Remodeling
Inspector: N/A

Project Description: The girls' team room project will consist of interior finishes including: painting, vinyl flooring, drywall partitions, plywood backing, miscellaneous electrical, and owner installed lockers and benches.

Construction Status:

DSA In: N/A	Contract Duration: 50 Days	% Complete: 100%
DSA Out: N/A	Contract Start Date: 10/31/2016	Estimated Completion: 01/06/2017
ID No.: 67-2587-TC	Original Completion: 01/06/2017	Estimated Occupancy: 03/08/2017

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	200,000	Initial Contracted Amount	90,582
Soft Cost	40,400	446	446	Approved Changes	-	Construction Contract COs	(4,487)
Hard Cost	115,702	51,115	45,747	Pending Changes	-	Other Contract Changes	-
FF&E	38,798	34,534	29,240	Total	200,000	Total	86,095
Contingency	5,100	-	-	Budgeted Contingency	4.3%	Budget Committed	43.0%
Total	200,000	86,095	75,433	Original Budget approved on 12/14/2015.			
Budgeted Hard Cost	57.9%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: The Girls Team Room project has been completed. The coaches desk and chair has been delivered. The Girls Softball Team Room has been designed and is currently in Construction Documents by the Planning & Construction Department.

Construction Contract Change Orders: HTH Title IX Girls' Team Room – SD Remodeling, Bid 67-2587-TC, (non DSA bid) CO 1 – Remove panels from walls, relocate light, relocate bench, paint door, adjust window and install brackets, re-wire thermostat, run dedicated circuit for projector and return unused allowance. (\$4,487.35) – Ratified by the BOT on 3/28/17 = -8.07%



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Hilltop High School
Funding Source: Prop O Bond Sale 1 Fund 22 and Prop O Bond Sale 2 Fund 22
PM/PS: Trent Carr/Mary King
Project Name: HTH Track & Field
A-E/Contractor: Little Diversified/California Landscape
Inspector: Chavez & Associates, Inc.

Project Description: Demolition of existing Track & Field and replacement with a new artificial track and field. Also, a new ticket booth and an accessible ramp supported by cast-in-place concrete retaining walls leading to the ticket booth will be constructed. Additional improvements will include underground storm drains and electrical utilities for the ticket booth.

Construction Status:

DSA In: 12/27/2013	Contract Duration: 121 Days	% Complete: 0%
DSA Out: 07/31/2014	Contract Start Date: 05/10/2017	Estimated Completion: 12/13/2017
ID No.: 56-2567-TC	Original Completion: 12/13/2017	Estimated Occupancy: 12/20/2017

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	2,984,556	Initial Contracted AMT	3,155,307
Soft Cost	826,056	524,397	275,628	Approved Changes	1,515,444	Construction Contract COs	-
Hard Cost	3,635,444	2,652,800	-	Pending Changes	-	Other Contract Changes	21,890
FF&E	-	-	-	Total	4,500,000	Total	3,177,197
Contingency	38,500	-	-	Budgeted Contingency	1.7%	Budget Committed	70.6%
Total	4,500,000	3,177,197	275,628	Original Budget approved on 3/29/2016.			
Budgeted Hard Cost		80.8%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: The contractor has mobilized onto the Track & Field site on May 22nd. Demolition of the concrete, asphalt and sod is underway. The project is scheduled to be completed by mid-December 2017, and occupancy is late-December 2017.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Hilltop Middle School
Funding Source: Prop O Bond Sale 2 Fund 22
PM/PS: Larry Moen/Indrani Gonzalez
Project Name: HTM Modernization & Expansion of Bldg. 600
A-E/Contractor: Baker Nowicki Design Group/TBD
Inspector: TBD

Project Description: Demolition of the building down to the exterior studs, concrete floors and roof structure. Reconfiguration of interior spaces to meet the District's standards for middle school science classrooms. This project will add two (2) new science classrooms and support areas to the 600 building.

The site master plan will be completed and submitted to the board for approval as a component of this contract.

Construction Status:

DSA In: 00/00/0000	Contract Duration: TBD	% Complete: TBD
DSA Out: 00/00/0000	Contract Start Date: 00/00/0000	Estimated Completion: TBD
ID No.: XX-XXXX-LM	Original Completion: 00/00/0000	Estimated Occupancy: TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Initial Contracted Amount	463,422
Site Cost	-	-	-	Initial Amount	5,340,000	Construction Contract COs	-
Soft Cost	665,000	463,422	61,423	Approved Changes	-	Other Contract Changes	-
Hard Cost	3,733,000	-	-	Pending Changes	-	Total	463,422
FF&E	170,000	-	-	Total	5,340,000	Budget Committed	8.7%
Contingency	772,000	-	-	Budgeted Contingency	14.5%	<i>Other Contract Changes</i> represents any changes to Purchase Orders for Soft Cost and FF&E. <i>Construction Contracts Change Orders</i> (COs) are further described below.	
Total	5,340,000	463,422	61,423	Original Budget approved on 03/14/2016.			
Budgeted Hard Cost	69.9%						

Project Status/Comments:



Summary - Key Issues: HTM Modernization and Expansion of the 600 Building is in Design development (DD) phase and will go to the end of August 2017.

The HTM site master plan is in the final phase with committee review in June 2017.

Construction Contract Change Orders: None.




SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Mar Vista Academy
Funding Source: Prop O Bond Sale 2 Fund 22
PM/PS: Armando Murillo/Allie Serrano
Project Name: MVA Site Master Plan
A-E/Contractor: HED Architects / N/A
Inspector: N/A

Project Description: Site Master Plan Projects are in compliance with Board Policy BP 7110(a), Facilities Master Plan. The policy explains that site master plans should be updated at least every five years or as needed. The scope includes refreshing of the master plans, assistance in facilitating the pursuit of funding (e.g. associated with state bond funding), the incorporation of educational program changes, and/or changes of technology that impact facility needs. In addition, soils surveying, underground utility detection and site surveying will be performed to facilitate design and planning.

Construction Status:											
DSA In:		N/A		Contract Duration:		06/01/2017		% Complete:		25%	
DSA Out:		N/A		Contract Start Date:		02/15/2017		Estimated Completion:		06/01/2017	
ID No.:		XX-XXXX-AM		Original Completion:		00/00/0000		Estimated Occupancy:		N/A	
Summary Status				Original Budget				Committed Budget			
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed				
Site Cost	-	-	-	Initial Amount	2,370,000	Initial Contracted AMT	20,500				
Soft Cost	120,000	20,500	8,000	Approved Changes	(2,250,000)	Construction Contract COs	-				
Hard Cost	-	-	-	Pending Changes	-	Other Contract Changes	-				
FF&E	-	-	-	Total	120,000	Total	20,500				
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	17.1%				
Total	120,000	20,500	8,000	Original Budget approved on 03/14/2016.				Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			
Budgeted Hard Cost		0.0%									
Project Status/Comments:											
				<div>Mar Vista Academy</div> <div>1267 Thermal Avenue</div> <div>San Diego, CA 92154</div>							
Summary - Key Issues: On January 23, 2017, to the Board of Trustees approved staff’s recommendations for the reallocation of the Proposition O Bond Sale 2 funds. The recommendations included the renaming of this project to “Mar Vista Academy Site Master Plan” and decreasing the existing budget to \$120,000. Meetings with Principal, Maintenance, Assistant Principal, and HED Architects are currently on hold pending finalization of Master Plan procedures. Will meet with new school Principal Ms. Maria Jaramillo to bring her up to speed and discuss the site Master Plan process.											
Construction Contract Change Orders: None.											



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Mar Vista High School
Funding Source: Prop O Bond Sale 1 Fund 22
PM/PS: Armando Murillo/Indrani Gonzalez
Project Name: MVH Project 2
A-E/Contractor: Platt/Whitelaw Architects, Inc.
 Whillock Contracting, Inc.
Inspector: The Inspector Group, Inc.

Project Description: There were three separate contracts associated with this funding:

1. Demolition of the existing special education classroom in the 600 building. Scope included all new finishes, installation of a new HVAC unit, a new kitchen area, and construction of a new hygiene restroom.
2. Deferred Electrical Maintenance consisting of upgrades to the underground electrical distribution system for the whole campus (saline soils caused deteriorated underground infrastructure).
3. Electrical Gates & Fencing for the south parking lot.

Construction Status:

DSA In: 03/03/2014	Contract Duration: 264 Days	% Complete: 100%
DSA Out: 08/14/2014	Contract Start Date: 10/27/2014	Estimated Completion: 07/10/2015
ID No.: 45-2446-LC	Original Completion: 07/03/2015	Estimated Occupancy: 10/06/2015

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	1,800,000	Initial Contracted Amount	2,151,267
Soft Cost	552,517	511,263	511,263	Approved Changes	1,000,000	Construction Contract COs	155,222
Hard Cost	2,209,427	2,181,629	2,181,629	Pending Changes	(83,598)	Other Contract Changes	409,913
FF&E	36,014	23,509	23,509	Total	2,716,402	Total	2,716,402
Contingency	2,042	-	-	Budgeted Contingency	0.1%	Budget Committed	100.0%
Total	2,800,000	2,716,402	2,716,402	Original Budget approved on 04/21/2014.			
Budgeted Hard Cost	78.9%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: The final retention payment was made to Whillock and the project is in its financial closeout stage.

Construction Contract Change Orders:

Building 600 Modernization – Whillock Contracting, Inc., Bid 45-2446-LC, DSA 04-113429
 CO 1 - Revise Subcontractor Qualification Form and Glazing of Specifications. \$0.00 = 0%
 CO 2 - To remove and replace existing valve and valve box. \$2,456.09 – Approved by the BOT 2/23/2015 = .19%
 CO 3 - Remove and replace deteriorated water piping. \$30,470.18 – Approved by the BOT BOT 3/30/15 = 2.56%
 CO 4 - Abatement of asbestos-containing building material. \$20,171.57 – Approved by the BOT 4/13/15 = 4.12%
 CO 5 - Existing vent piping leaked in multiple locations. \$3,496.12 – Approved by the BOT 5/26/15 = 4.39%
 CO 6 - Existing hose bibb and associated piping was in conflict with construction. \$479.50 – Approved by the BOT 6/8/15 = 4.43%
 CO 7 - Additional materials and labor for wall to ceiling connection in hygiene room. \$2,911.82 – Approved by the BOT 6/22/15 = 4.66%



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

CO 8 - Extend construction schedule by 28 days. \$769.83 – Approved by the BOT 7/13/15 = 4.72%
CO 9 - Relocate data conduits and conductors to incorporate work being performed by others. \$10,860.79 – Approved by the BOT 9/14/15 = 5.56%
CO 10 - Testing lab recommended removing saturated solid. \$34,881.74 – Approved by the BOT 11/18/15 = 8.27%
CO 11 - Additional lead abatement was determined necessary resulting in the need to patch, texture, and re-paint those areas. \$ 3,164.53 – Approved by the BOT 1/25/16 = 8.51%

Deferred Electrical Maintenance (Grounding) – G.A. Abell, Inc., Bid 45-2452-LC, Non-DSA

CO 1 - Labor and materials to excavate a new 50' trench and to provide conduit needed to the north end vault.
\$27,415.48 – Approved by the BOT 2/23/15 = 4.85%

CO 2 - Due to unforeseen field condition, it was necessary to install an electrical panel larger than the one indicated on the drawings. \$ 4,374.95 – Approved by the BOT 3/30/15 = 5.63%

CO 3 - Provide branch circuits and associated infrastructure for electric appliances in 700 building. \$ 6,181.39 – Approved by the BOT 4/13/15 = 6.72%

CO 4 - The circuits that powered the heaters were removed during demolition, creating the need to install new circuits and breakers. \$ 5,575.97 – Approved by the BOT 5/11/15 = 7.71%

CO 5 - The California Electrical Code required that a ground rod be provided for the dispersal of transient current.
\$1,912.00 – Approved by the BOT 6/8/15 = 8.05%

Electrical Gates & Fencing, Quality Fence, Bid 34-2426-GP, Non-DSA

CO 1 – Delete gate closures. (\$ 300.00) – No Board Approval Required = 1.09% decrease

CO 2 – Add bollards and chain in two locations. \$ 900.00 - No Board Approval Required = 3.29%

CO 3 – Delete electrical wiring from PV transformer back to gym. (\$ 500.00) - No Board Approval Required = 1.77% decrease






SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Mar Vista High School
Funding Source: Prop O Bond Sale 2 Fund 22
PM/PS: Armando Murillo/Allie Serrano
Project Name: MVH Site Master Plan
A-E/Contractor: HED Architects / N/A
Inspector: N/A

Project Description: Site Master Plan Projects are in compliance with Board Policy BP 7110(a), Facilities Master Plan. The policy explains that site master plans should be updated at least every five years or as needed. The scope includes refreshing of the master plans, assistance in facilitating the pursuit of funding (e.g. associated with state bond funding), the incorporation of educational program changes, and/or changes of technology that impact facility needs. In addition, soils surveying, underground utility detection and site surveying will be performed to facilitate design and planning.

Construction Status:											
DSA In:		N/A		Contract Duration:		04/01/2017		% Complete:		100%	
DSA Out:		N/A		Contract Start Date:		12/15/2016		Estimated Completion:		04/01/2017	
ID No.:		XX-XXXX-AM		Original Completion:		04/01/2017		Estimated Occupancy:		N/A	
Summary Status				Original Budget				Committed Budget			
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed				
Site Cost	-	-	-	Initial Amount	3,590,000	Initial Contracted AMT	23,670				
Soft Cost	120,000	23,670	23,170	Approved Changes	(3,470,000)	Construction Contract COs	-				
Hard Cost	-	-	-	Pending Changes	-	Other Contract Changes	-				
FF&E	-	-	-	Total	120,000	Total	23,670				
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	19.7%				
Total	120,000	23,670	23,170	Original Budget approved on 03/14/2016.				Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			
Budgeted Hard Cost	0.0%										
Project Status/Comments:											
<div></div>											
<p>Summary - Key Issues: On January 23, 2017, to the Board of Trustees approved staff’s recommendations for the reallocation of the Proposition O Bond Sale 2 funds. The recommendations included the renaming of this project to “Mar Vista High School Site Master Plan” and decreasing the existing budget to \$120,000. The draft of the Master Plan was presented to all staff at the all hands staff meeting and we received positive feedback. Based on the input received from meetings and staff, the Master Plan was completed along with project budgets. Additional meetings with Community Members, Principal, School Staff, Maintenance, Assistant Principal, and HED Architects are currently on hold pending finalization of Master Plan procedures.</p>											
<p>Construction Contract Change Orders: None.</p>											




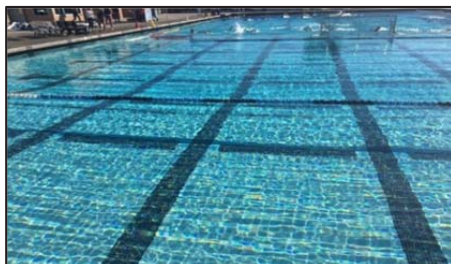

SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Mar Vista High School
Funding Source: Prop O Bond Sale 2 Fund 22
PM/PS: Armando Murillo/Allie Serrano
Project Name: MVH Pool Replacement
A-E/Contractor: TBD/TBD
Inspector: TBD

Project Description: Planning & Construction Department conducted site-specific stakeholder meetings to revise the site map and to gather input regarding facility needs. Funding for the project was approved by the Board of Trustees on 03/14/2016 after engaging with the community and stakeholders (internal and external) to develop a Long Range Facility Master Plan.

Construction Status:									
DSA In:	00/00/0000		Contract Duration:	TBD		% Complete:	TBD		
DSA Out:	00/00/0000		Contract Start Date:	00/00/0000		Estimated Completion:	TBD		
ID No.:	XX-XXXX-AM		Original Completion:	00/00/0000		Estimated Occupancy:	TBD		
Summary Status				Original Budget			Committed Budget		
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed		
Site Cost	-	-	-	Initial Amount	6,000,000	Initial Contracted AMT	22,850		
Soft Cost	1,238,000	22,850	21,362	Approved Changes	-	Construction Contract COs	-		
Hard Cost	4,007,000	-	-	Pending Changes	-	Other Contract Changes	-		
FF&E	300,000	-	-	Total	6,000,000	Total	22,850		
Contingency	455,000	-	-	Budgeted Contingency	7.6%	Budget Committed	0.4%		
Total	6,000,000	22,850	21,362	Original Budget approved on 03/14/2016.					
Budgeted Hard Cost	66.8%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.					
Project Status/Comments:									
<div></div>									
Summary - Key Issues: A meeting was held between SUHSD and City of Imperial Beach (IB) to discuss project funding. The Counsilman Hunsaker feasibility study was shared with them and the two project options were discussed: 1) 25Y by 25M pool: modernization of the existing pool and facility and 2) 50M pool: a new pool and facility on Elm Avenue. The City of IB is interested in partnering for the 50M pool option and is currently looking into different potential fund sources for the project.									
Construction Contract Change Orders: None.									



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update:	June 8, 2017	PM/PS:	Janea Quirk/Stephanie Napier
Site:	Montgomery High School	Project Name:	Montgomery Adult Culinary Arts Relocatable
Funding Source:	CSFF Fund 35	A-E/Contractor:	WEBB CLEFF/TBD
		Inspector:	TBD

Project Description: Replacement of a 960 square foot culinary arts relocatable. Associated site work and ADA. Replacement of fiber optic cable that was pulled out of the ground during previous demolition.

Construction Status:

DSA In:	00/00/0000	Contract Duration:	TBD	% Complete:	TBD
DSA Out:	00/00/0000	Contract Start Date:	00/00/0000	Estimated Completion:	TBD
ID No.:	XX-XXXX-JQ	Completion Date:	00/00/0000	Estimated Occupancy:	TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	120,000	Initial Contracted AMT	14,722
Soft Cost	30,390	7,000	-	Approved Changes	-	Construction Contract COs	-
Hard Cost	80,000	7,722	7,722	Pending Changes	330,200	Other Contact Changes	-
FF&E	-	-	-	Total	450,200	Total	14,722
Contingency	9,610	-	-	Budgeted Contingency	2.1%	Budget Committed	12.3%
Total	120,000	14,722	7,722	Original Budget approved on 03/30/2015.		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.	
Budgeted Hard Cost		66.7%					

Project Status/Comments:



Montgomery

Adult School

3250 Palm Ave

San Diego, CA 92154

Summary - Key Issues: Project funds are a concern due to an increase in the extent of the site work, and \$50k forecast for new fiber optic cable that was not anticipated.

*This project has been placed on hold pending a district program review of the Adult School facility needs.

Construction Contract Change Orders: None.

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: National City Adult
Funding Source: CSFF Fund 35

PM/PS: Armando Murillo/Allie Serrano
Project Name: NCA Remediation
A-E/Contractor: TBD/TBD
Inspector: TBD

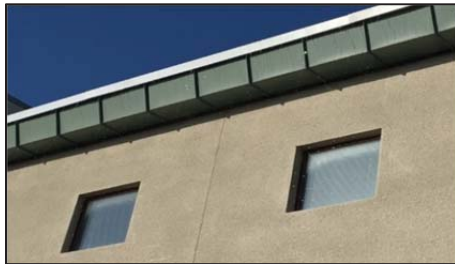
Project Description: The National City Adult school building is a 3 story 27,000 s.f. building. This includes 20 classrooms and administrative support services. The building is in need of wood framing, roof, gutters, HVAC, electrical, and plumbing repairs. Scope of work will include the repair and/or replacement of wood framing, rolled roof, roof substrate, standing seam roof, gutters and downspouts, plumbing, and HVAC units to prevent further mold issues. Staff will develop a comprehensive project scope and return to the Board to request approval and additional funding.

Construction Status:

DSA In: 00/00/0000	Contract Duration: TBD	% Complete: TBD
DSA Out: 00/00/0000	Contract Start Date: 00/00/0000	Estimated Completion: TBD
ID No.: XX-XXXX-AM	Original Completion: 00/00/0000	Estimated Occupancy: TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	30,000	Initial Contracted AMT	21,126
Soft Cost	6,740	877	877	Approved Changes	17,000	Construction Contract COs	-
Hard Cost	40,260	20,249	15,390	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	47,000	Total	21,126
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	44.9%
Total	47,000	21,126	16,267	Original Budget approved on 03/29/2016.			
Budgeted Hard Cost	85.7%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: Additional funding request submitted to address the following scope and repairs: plywood sheathing, equipment curbs, gutters and downspouts, stucco, metal flashings, roofing, roof drains, HVAC units, electrical, fire alarm, and controls. After the Fire Marshall rejected a proposed alternate Exit sign, a field survey was conducted to measure foot candle measurements to address comments. The Fire Marshall eventually approved the alternate Exit sign which will save SUHSD over \$15,000 in replacement costs. The new signs are being ordered and will be installed upon receipt.

Construction Contract Change Orders: None.



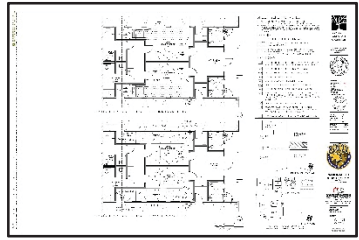
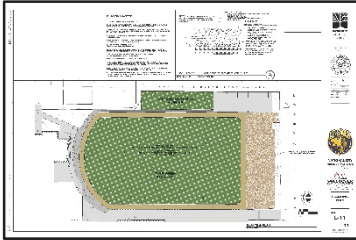
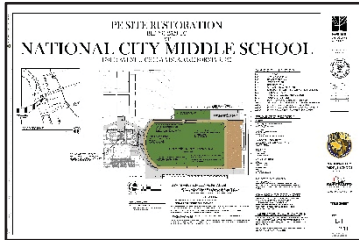
SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: National City Middle School
Funding Source: Prop O Bond Sale 1 Fund 22
PM/PS: Trent Carr/Mary King
Project Name: NCM P2 Field Restoration
A-E/Contractor: David Reed / TBD
Inspector: TBD

Project Description: The project consists of new sod, irrigation, drainage, widening of the existing sidewalk, and drainage for the field.

Construction Status:											
DSA In:		09/21/2016		Contract Duration:		TBD		% Complete:		TBD	
DSA Out:		00/00/0000		Contract Start Date:		00/00/0000		Estimated Completion:		TBD	
ID No.:		56-2529-TC		Original Completion:		00/00/0000		Estimated Occupancy:		TBD	
Summary Status				Original Budget				Committed Budget			
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed				
Site Cost	-	-	-	Initial Amount	512,321	Initial Contracted Amount	135,592				
Soft Cost	137,321	129,710	49,941	Approved Changes	-	Construction Contract COs	-				
Hard Cost	370,607	1,500	1,500	Pending Changes	-	Other Contract Changes	-				
FF&E	4,393	4,382	4,382	Total	512,321	Total	135,592				
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	26.5%				
Total	512,321	135,592	55,823	Original Budget approved on 03/29/2016.							
Budgeted Hard Cost	72.3%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.							
Project Status/Comments:											
<div></div>											
Summary - Key Issues: The architectural revisions to the ramps for the existing PE Building have been reviewed by DSA. DSA is requiring additional structural review, the drawings are planned to be resubmitted to DSA by the third week of June. Planning & Construction is working on the front end specifications for bidding.											
Construction Contract Change Orders: None.											



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report


II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: June 8, 2017
Site: Olympian High School
Funding Source: CSFF Fund 35

PM/PS: Janea Quirk/Stephanie Napier
Project Name: East Hills Academy Quad
A-E/Contractor: Paul Woods/TBD
Inspector: Construction Quality Assurance Group

Project Description: The project provides 3 fourteen foot shade structures and the installation of synthetic turf to provide a clean and shaded sensory-movement area for the students.

Construction Status:							
DSA In:	01/19/2017	Contract Duration:	TBD	% Complete:	TBD		
DSA Out:	02/09/2017	Contract Start Date:	00/00/0000	Estimated Completion:	00/00/0000		
ID No.:	67-2619-JQ	Completion Date:	00/00/0000	Estimated Occupancy:	00/00/0000		
Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	125,000	Initial Contracted AMT	34,169
Soft Cost	35,600	5,240	1,844	Approved Changes	-	Construction Contract COs	-
Hard Cost	80,500	28,929	-	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	125,000	Total	34,169
Contingency	8,900	-	-	Budgeted Contingency	7.12%	Budget Committed	27.3%
Total	125,000	34,169	1,844	Original Budget approved on 10/10/16 M-1			
Budgeted Hard Cost	64.4%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below			

Project Status/Comments:	
	<p>East Hills Academy</p> <p>1791 Rock Mountain Road</p> <p>Chula Vista, CA 91913</p>

Summary - Key Issues: The PC approved shade structures are being reviewed by the Fire Marshall, which will be followed by an over the counter review and approval by DSA. USA Shade will begin production once we have DSA approval. The purchase of the structures is via a piggyback contract. The fabrication and installation of shade structures will determine the bid schedule for the synthetic turf.

The plans received DSA approval on 02/09/2017.

The district is awaiting fabrication dates of the shade structures, this will determine delivery and installation dates. The contract for the solicitation of bids for the synthetic turf is being developed.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update:	June 8, 2017	PM/PS:	Janea Quirk/Stephanie Napier
Site:	Olympian High School	Project Name:	OLH Relocatable Classrooms 2017-18
Funding Source:	Capital Facilities Fund 25 and Mello-Roos Fund 49	A-E/Contractor:	Davy Architecture /TBD
		Inspector:	TBD

Project Description: Addition of six temporary relocatable classrooms. The project will include a 36-month rental, installation and furnishing of six relocatable classrooms and is expected to be completed during the 2017-2018 school year. The relocatable classrooms will help address the projected enrollment increase at the school site from residential development.

Construction Status:

DSA In:	05/09/2017	Contract Duration:	90 days	% Complete:	TBD
DSA Out:	00/00/0000	Contract Start Date:	00/00/000	Estimated Completion:	TBD
ID No.:	67-2621-JQ	Original Completion:	00/00/000	Estimated Occupancy:	TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	700,000	Initial Contracted AMT	215,050
Soft Cost	273,875	81,750	59,754	Approved Changes	-	Contract Construction COs	-
Hard Cost	300,000	169,800	-	Pending Changes	-	Other Contract Changes	36,500
FF&E	110,000	-	-	Total	700,000	Total	251,550
Contingency	16,125	-	-	Budgeted Contingency	2.3%	Budget Committed	35.9%
Total	700,000	251,550	59,754	Original Budget approved on 2/27/17.			
Budgeted Hard Cost		42.9%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Olympian High School

1925 Magdalena Avenue
Chula Vista, CA 91913

Summary - Key Issues: There is a projected enrollment increase at the school site from residential development. The project is currently being reviewed by Otay Water District and the Health Department.

Amendment #1-Davy Architecture contract. The installation of three additional relocatables (for a total of six relocatables) added to scope of work which include the design services for the reconfiguration of the existing fire access lane east of the gymnasium at Olympian High School. Approved by the BOT 3/28/17 Item M-2.

Construction Contract Change Orders: None.




SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: June 8, 2017
Site: Otay Ranch High School
Funding Source: Mello-Roos Fund 49
PM/PS: Janea Quirk/Stephanie Napier
Project Name: ORH Water Intrusion Prevention (MPR)
A-E/Contractor: BWE/TBD
Inspector: TBD

Project Description: Design phase of the drainage alterations needed for the area around the Multipurpose Room at Otay Ranch High School.

Construction Status:											
DSA In:		04/10/2017		Contract Duration:		TBD		% Complete:		TBD	
DSA Out:		05/10/2017		Contract Start Date:		00/00/0000		Estimated Completion:		00/00/0000	
ID No.:		XX-XXXX-JQ		Completion Date:		00/00/0000		Estimated Occupancy:		00/00/0000	
Summary Status				Original Budget				Committed Budget			
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed				
Site Cost	-	-	-	Initial Amount	25,000	Initial Contracted AMT	19,173				
Soft Cost	19,173	19,173	4,673	Approved Changes	-	Construction Contract COs	-				
Hard Cost	-	-	-	Pending Changes	55,673	Other Construction Changes	-				
FF&E	-	-	-	Total	80,673	Total	19,173				
Contingency	5,827	-	-	Budgeted Contingency	25.3%	Budget Committed	76.7%				
Total	25,000	19,173	4,673	Original Budget approved on 10/24/16 M-1				Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			
Budgeted Hard Cost		0.0%									
Project Status/Comments:											
				<div>Otay Ranch High School 1250 Olympic Pkwy Chula Vista, CA 91913</div>							
<p>Summary - Key Issues: The design is finalized, and the engineer is coordinating DSA Review. The project can be bid and coordinated with summer or fall break to not disrupt instruction and access to classrooms. This project will require supplemental funds once the design is complete. Design requires installation of 2 catch basins, removal and replacement of hardscape.</p> <p>Pending final design, cost estimate, and DSA submission date from engineer.</p> <p>The project has been approved by DSA. Work is anticipated for fall break 2017.</p> <p>Construction Contract Change Orders: None.</p>											



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: June 8, 2017
 Site: Otay Ranch High School
 Funding Source: Mello-Roos Funds 49

PM/PS: Janea Quirk/Stephanie Napier
 Project Name: ORH Title IX
 A-E/Contractor: TBD/TBD
 Inspector: TBD

Project Description: Provide and purchase softball batting cages, softball bullpen fencing and a portable backstop.

Construction Status:

DSA In:	N/A	Contract Duration:	N/A	% Complete:	N/A
DSA Out:	N/A	Contract Start Date:	N/A	Estimated Completion:	N/A
ID No.:	N/A	Completion Date:	N/A	Estimated Occupancy:	N/A

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	95,000	Initial Contracted AMT	34,861
Soft Cost	46,750	8,864	8,864	Approved Changes	-	Construction Contract COs	-
Hard Cost	48,250	25,997	23,684	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	95,000	Total	34,861
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	36.7%
Total	95,000	34,861	32,548	Original Budget approved on 11/18/2015.			
Budgeted Hard Cost		50.8%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Otay Ranch High School

1250 Olympic Pkwy
 Chula Vista, CA 91913

Summary - Key Issues: The Bullpen is completed and the portable backstop is onsite. The batting cage expansion and modifications are underway. A work order has been created for the Maintenance Department to grade the girls' softball field.

Pending: Installation of net at batting cage, purchase of batting machine, and installation of electrical and concrete pad for machine.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Palomar High School
Funding Source: Prop O Bond Sale 1 Fund 22
PM/PS: Armando Murillo/Allie Serrano
Project Name: PAH Project 1 (Science Classroom)
A-E/Contractor: N/A /TBD
Inspector: N/A

Project Description: Proposition O Bond language lists the following areas for improvement for Palomar High School: special purpose classrooms and lab enhancements, electrical systems upgrades, physical education improvements, add teachers' workroom and faculty restrooms.

Construction Status:

DSA In: N/A	Contract Duration: TBD	% Complete: 10%
DSA Out: N/A	Contract Start Date: 00/00/0000	Estimated Completion Date: TBD
ID No.: 67-2612-AM	Original Completion: 00/00/0000	Estimated Occupancy: TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	100,000	Initial Contracted AMT	19,780
Soft Cost	1,000	292	292	Approved Changes	50,000	Construction Contract COs	-
Hard Cost	129,000	-	-	Pending Changes	-	Other Contract Changes	-
FF&E	20,000	19,488	-	Total	150,000	Total	19,780
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	13.2%
Total	150,000	19,780	292	Original Budget approved on 11/13/2012.			
Budgeted Hard Cost	86.0%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: On March 28, 2017, staff submitted to the Board of Trustees recommendation for additional funds. The recommendations included the allocation of \$50,000 to this project, to bring the updated budget to \$150,000. On May 8, 2017, staff submitted to the Board of Trustees recommendation to postpone the project to facilitate review of specifications and scope to best meet the needs of the site. Currently obtaining proposals from Architectural and Engineering consultants to revisit project scope.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update:	June 8, 2017	PM/PS:	Janea Quirk/Stephanie Napier
Site:	San Ysidro High School	Project Name:	SYH ROTC Portables
Funding Source:	CSFF Fund 35	A-E/Contractor:	Roesling Nakamura Terada Architects/TBD
		Inspector:	TBD

Project Description: This project is required to construct ramps and gates to meet accessibility requirements in order to achieve certification by the Division of the State Architect (DSA).

Construction Status:							
DSA In:	00/00/0000	Contract Duration:	TBD	% Complete:	TBD		
DSA Out:	00/00/0000	Contract Start Date:	00/00/0000	Estimated Completion:	TBD		
ID No.:	XX-XXXX-JQ	Completion Date:	00/00/0000	Estimated Occupancy:	TBD		
Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	85,500	Initial Contracted AMT	20,277
Soft Cost	22,799	20,277	9,505	Approved Changes	-	Construction Contract CO	-
Hard Cost	61,470	-	-	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	85,500	Total	20,277
Contingency	1,231	-	-	Budgeted Contingency	11.9%	Other Contract Changes: represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.	
Total	85,500	20,277	9,505	Original Budget approved on 5/26/2015.			
Budgeted Hard Cost	71.9%						

Project Status/Comments:



Summary - Key Issues: A new proposal has been received for a broader design assessment and review of building conditions, site work and ADA requirement. Current conditions demonstrate the need for remediation in multiple areas of the ROTC Facility.

First site walk conducted on 3/6/17 to assess facility. Site survey will be required. Site presents drainage issues. Assessment will result in recommendation to remediate conditions, impacts, and cost.

The district is in the process of acquiring a civil engineer for site surveying. A structural assessment of the buildings is being performed.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: June 8, 2017
Site: Southwest High School
PM/PS: Janea Quirk/Stephanie Napier
Project Name: SOH Gym ADA Bleacher Replacement(Restrooms & Flooring)
Funding Source: CSFF Fund 35 and Prop O Bond Sale 2 & Deferred Maint. Fund 14
A-E/Contractor: Harley Ellis Deveraux/Evergreencali Const.
Inspector: Construction Quality Assurance Group

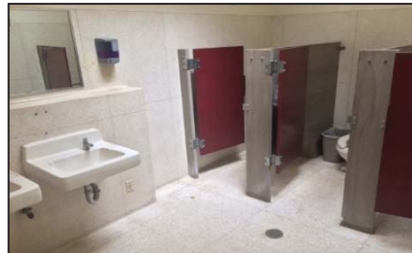
Project Description: The project scope includes the replacement of the gym bleachers with new telescoping bleachers, removal of wood wall paneling and installation of wall mats on side walls, relocation of the drinking fountain inside the gym. The restroom and foyer renovation require expansion of the restrooms to meet ADA and capacity requirements, ADA compliance of the ticket booth, refurbishing of the foyer, path of travel upgrades, and replacement of underground plumbing from fixtures to existing lateral connection outside the building.

Construction Status:

DSA In: 08/25/2016	Contract Duration: TBD	% Complete: TBD
DSA Out: 01/31/2017	Contract Start Date: 05/30/2017	Estimated Completion: TBD
ID No.: 67-2617-JQ	Completion Date: 00/00/0000	Estimated Occupancy: TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	650,000	Initial Contracted AMT	204,994
Soft Cost	131,942	59,673	34,426	Approved Changes	535,000	Construction Contract CO's	-
Hard Cost	854,852	16,985	-	Pending Changes		Other Contract Changes	10,209
FF&E	169,581	138,545	53,528	Total	1,185,000	Total	215,202
Contingency	28,625	-	-	Budgeted Contingency	1.4%	Budget Committed	18.7%
Total	1,185,000	215,202	87,954	Original Budget for bleachers of \$400,000 approved on 12/14/16 and \$250,000 approved on 5/23/16			
Budgeted Hard Cost		72.1%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: On January 23, 2017, to the Board of Trustees approved staff's recommendations for the reallocation of the Proposition O Bond Sale 2 funds. The recommendations included the allocation of \$500,000 to this project, to bring the updated budget to \$900,000. Project budget was increased due to the extent of work required to achieve compliance in the restrooms to current code.

Construction estimate is valued at \$911,800 with conservative soft costs, project is currently tracking at \$1,180,552.30.

The bleachers have an 8-12 week manufacturing lead time, 2 weeks of transport, and 3 weeks of installation coordination of the bleachers. Floor remediation is imperative.

On February 27, 2017, the board approved to combine Southwest High School Gym Bleachers and Southwest High Gym Floor Project into one combined project, which will be named Southwest High School Gym ADA Bleacher Replacement



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

(Restrooms and Floors). They are being combined in order to reduce risk with coordination of construction. The scope of work and budget amount will remain.

The project was rebid and the previous bid with CPH and SOH combined were rescinded. Only one (1) bid was received at bid opening, which came in over budget. The project has been re-advertised, bids were opened on May 3, 2017 and were approved at the May 22, 2017 board meeting for approval and award. Construction began on June 5, 2017. Scheduled to be complete September 29, 2017.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update:	May 31, 2017	PM/PS:	Janea Quirk/Indrani Gonzalez
Site:	Southwest High School	Project Name:	SOH Site Master Plan
Funding Source:	Prop O Bond Sale 2 Fund 22	A-E/Contractor:	Harley Ellis Devereaux (HED)/TBD
		Inspector:	TBD

Project Description: Site Master Plan Projects are in compliance with Board Policy BP 7110(a), Facilities Master Plan. The policy explains that site master plans should be updated at least every five years or as needed. The scope includes refreshing of master plans, assistance in facilitating the pursuit of funding (e.g. associated with state bond funding), the incorporation of educational program changes, and/or changes of technology that impact facility needs. In addition, soils surveying, underground utility detection and site surveying will be performed to facilitate design and planning.

Construction Status:

DSA In:	N/A	Contract Duration:	N/A	% Complete:	N/A
DSA Out:	N/A	Contract Start Date:	N/A	Estimated Completion:	N/A
ID No.:	N/A	Original Completion:	N/A	Estimated Occupancy:	N/A

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	3,780,000	Initial Contracted Amount	96,404
Soft Cost	120,000	96,404	94,779	Approved Changes	(3,660,000)	Construction Contract COs	-
Hard Cost	-	-	-	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	120,000	Total	96,404
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	80.3%
Total	120,000	96,404	94,779	Original Budget approved on 3/29/2016.			
Budgeted Hard Cost		0.0%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Southwest High School

1685 Hollister Street
San Diego, CA 92154

Summary - Key Issues: On January 23, 2017, the Board of Trustees approved staff's recommendations for the reallocation of the Proposition O Bond Sale 2 funds. The recommendations included the renaming of this project to "Southwest High School Site Master Plan" and decreasing the existing budget to \$120,000.

The site underground Utility Detection and Site Surveying have been completed. The conceptual Master Plan is 99.9% complete.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Southwest High School
Funding Source: Capital Facilities Fund 25 and County Schools Facilities Fund 35
PM/PS: Janea Quirk/Indrani Gonzalez
Project Name: SOH Portable Classroom Replacement
A-E/Contractor: Harley Ellis Devereaux (HED) / GEM Industrial Electric, Inc.
Inspector: Construction Quality Assurance Group

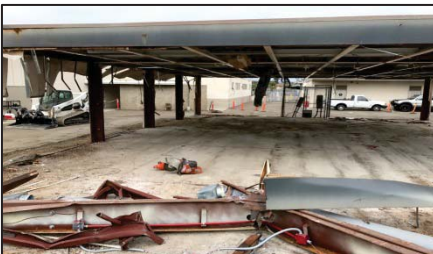
Project Description: On February 24, 2017 a Purchase Order was processed to purchase four - 960 sq. ft. relocatable classroom buildings. Division of State Architect (DSA) over the counter review is scheduled for March 28, 2017. The project will be advertised immediately following DSA approval.

Construction Status:

DSA In: 04/13/2017	Contract Duration: 60 Days	% Complete: TBD
DSA Out: 04/13/2017	Contract Start Date: 06/05/2017	Estimated Completion: 08/28/2017
ID No.: 67-2618-JQ	Original Completion: TBD	Estimated Occupancy: 08/14/2017

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	860,000	Initial Contracted Amount	366,924
Soft Cost	55,000	52,573	8,441	Approved Changes	-	Construction Contract COs	-
Hard Cost	785,000	306,532	83,191	Pending Changes	-	Other Contract Changes	-
FF&E	20,000	7,819	7,819	Total	860,000	Total	366,924
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	42.7%
Total	860,000	366,924	99,452	Original Budget approved on 3/29/2016.			
Budgeted Hard Cost		91.3%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: Construction begins on June 5, 2017. New buildings are delivered the week of July 6-10. The project is scheduled to be turned over to the site by August 28, 2017.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Southwest High School
Funding Source: Prop O Bond Sale 1 Fund 22 and County Schools Facilities Fund 35
PM/PS: Janea Quirk/Indrani Gonzalez
Project Name: SOH Title IX
A-E/Contractor: TBD/TBD
Inspector: TBD

Project Description: The relocation of softball locker rooms is pending the completion of Master Planning efforts on the site. The Practice field was upgraded, restrooms for softball have been identified, and the scoreboard and fencing at the batting cage have been completed.

Construction Status:

DSA In: 00/00/0000	Contract Duration: TBD	% Complete: TBD
DSA Out: 00/00/0000	Contract Start Date: 00/00/0000	Estimated Completion: TBD
ID No.: XX-XXXX-JQ	Original Completion: 00/00/0000	Estimated Occupancy: TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	389,000	Initial Contracted Amount	150,391
Soft Cost	42,824	9,693	9,693	Approved Changes	-	Construction Contract COs	-
Hard Cost	328,366	131,484	96,641	Pending Changes	(189,000)	Other Contract Changes	-
FF&E	17,810	9,285	9,285	Total	200,000	Total	150,391
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	38.7%
Total	389,000	150,463	115,620	Original Budget approved on 12/14/2015.			
Budgeted Hard Cost		84.4%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Southwest High School

1685 Hollister Street
San Diego, CA 92154

Summary - Key Issues: The team room lockers have been ordered and are scheduled to be installed in June 2017.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Southwest Middle School
Funding Source: Prop O Bond Sale 1 & CSFF
Fund 35 & Fund 40

PM/PS: Trent Carr/Lisa Pippen
Project Name: SOM Modernization Project 1
A-E/Contractor: Multiple
Inspector: Multiple

Project Description: On 6/29/09, the Board of Trustees approved a \$6,236,000 construction contract for Phase 1 project at Southwest Middle School. HAR Construction Company won the bid and was terminated on 6/21/11. On 3/12/12, GEM Industrial won the bid for Phase 1a, to complete HAR's work, in the amount of \$194,860, and was completed on 7/15/13. There was a separate contract, by requirement of Western Surety Company, for the HAR work, which was completed by GEM Industrial, in the amount of \$385,000. On 1/14/11, 3-D Enterprises, Inc. won the bid for the Site work project in the amount of \$297,726 and was completed on 6/24/13. On 1/24/11, Grahovac Construction won the bid for Phase 1a Miscellaneous Construction project in the amount of \$731,485 and was completed on 8/17/12. On 4/15/13, APR Construction won the bid for Phase 1b-1 Interior/Exterior Modernization in the amount of \$705,000 and the contract was terminated on 1/28/14. On 1/19/13, GEM Industrial, Inc. won the bid for Phase 1b-1 Casework Upgrades project in the amount of \$89,000 and was completed on 5/16/14. On 11/18/13, Lightning Fence won the bid for Phase 1b-1 Fence Completion project in the amount of \$52,000 and was completed on 7/8/16. On 4/21/14, Whillock Contracting, Inc. won the bid for Phase 1b-2 Alterations to Buildings E and F, in the amount of \$2,340,000 and the contract was terminated on 5/24/16. On 7/8/16, New Vision Building & Design won the bid for Phase 1b-2 Completion project, to complete Whillock's work, in the amount of \$109,212 and was completed on 7/12/16. On 3/30/15 Time and Alarm Systems won the bid for Phase 1-Smart Board Integration project in the amount of \$34,400 and was completed on 4/13/16. On 5/11/15, MA Stevens won the bid for Phase 1c Renovation of Buildings C and D, in the amount of \$931,642 and was completed on 3/9/16. On 4/25/16, MA Stevens Construction won the bid for Phase 1b-2 Skylights project in the amount of \$118,604. Skylights will be installed over the summer break.

Construction Status:

DSA In: Multiple **Contract Duration:** Multiple **% Complete:** Multiple
DSA Out: Multiple **Contract Start Date:** Multiple **Estimated Completion:** Multiple
ID No.: Multiple **Original Completion:** Multiple **Estimated Occupancy:** Multiple

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Settlement	2,449,530	2,449,530	2,449,530	Initial Amount	14,738,042	Initial Contracted Amount	22,127,194
Soft Cost	5,316,599	5,304,317	5,178,514	Approved Changes	8,477,904	Construction Contract COs	872,982
Hard Cost	14,496,208	14,476,333	14,385,073	Pending Changes	-	Other Contract Changes	146,198
FF&E	923,329	916,195	916,195	Total	23,215,946	Total	23,146,374
Contingency	30,279	-	-	Budgeted Contingency	0.1%	Budget Committed	99.8%
Total	23,215,945	23,146,374	22,929,311	Original Budget approved on 06/29/2009.			
Budgeted Hard Cost	62.4%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Note: The Settlement portion referenced above, represents only a portion of the \$2.94 M settlement due for SOM Modernization Project 1. Construction retention in the amount of \$490,184 and \$286 (received 4/10/2017), was recorded as a Hard Cost expenditure in prior Fiscal Years. Those funds are now being used to fund a portion of the settlement. The net amount due is \$2,449,530.

Project Status/Comments:





SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Summary - Key Issues:) The skylights have been delivered and staged at the SOM site. Unfortunately the skylights were fabricated too small, the contractor and the manufacturer made the mistake. The new date of remanufacturing and installation has not been determined.

Construction Contract Change Orders:

Phase 1, New 8,700 sq ft Classroom Building, Renovate 9 Existing Buildings; HAR Construction-Terminated; Bid 89-2163-JF, DSA 04-109869; Original Contract Amt: \$6,236,000

CO 1- Removal and replacement of existing stucco at Buildings H and I. \$184,017.28 - Approved by the BOT on 11/16/09 = 2.95%

CO 2- Install new conduit banks at Building J, where it did not exist. \$148,783.97 - Approved by the BOT on 01/25/10 = 5.3%

CO 3- Demolish and replacement of existing windows at Building A and B. \$147,290.21 - Approved by the BOT on 02/16/10 = 7.69%

CO 4- Abate asbestos pipe insulation, remove boiler and install new HVAC at Buildings H and I. \$132,822.00 - Approved by the BOT on 03/08/10 = 9.83%

CO 5- Revisions to original contract scope of work to omit all work associated with Buildings C, D, E, F and relocatable Buildings AA, BB and CC. (\$243,975.00) - Approved by the BOT on 05/10/10 = 5.92%

CO 6- Revision to original contract scope of work to provide Class A fire classification roof system with twenty year no dollar limit warranty to roofing at Buildings A and B. \$112,780.00 - Approved by the BOT on 07/26/10 = 7.72%

CO 7- Revision to original contract scope of work to omit district specified scope of work for value engineering purposes. (\$129,551.00) - Approved by the BOT on 09/20/10 = 5.65%

CO 8- Addition of fire dampers to Building B that were not part of original bid set of plans. \$44,391.00 - Approved by the BOT on 11/15/10 = 6.36%

CO 9- Addition of new low voltage wall chase at Building J. \$62,620.00 - Approved by the BOT on 04/12/11 = 7.36%

Phase 1a, Continuation work from HAR; GEM Industrial, Inc., Bid 89-2163-JF, DSA 04-109869; Original Contract Amt: \$194,860, plus separate contract by requirement of Western Surety Company for GEM Industrial, Inc., Bid 89-2163-JF, DSA 04-109869; Original Contract Amt: \$385,000

CO 1- Furnishing and installing concrete boxes with steel covers for existing irrigation valves in the courtyard. \$1,261.88 - Approved by the BOT on 4/16/2012 = .65%

CO 2- Overtime labor and additional pump charges to achieve the March 16, 2012, concrete work completion date as requested by the site. \$18,116.16 - Approved by the BOT on 6/11/2012 = 9.94%

CO 1-Credit for unused contract funds, to the Western Surety portion of incomplete HAR work performed by GEM Industrial, Inc. (\$28,990.30) – Approved by the BOT on 08/22/16 = (7.5%)

Phase 1a, Misc. Improvements to 6 Buildings, Landscaping and Fencing; 3-D Enterprises, Inc., Bid 01-2263-GP, DSA 04-109869; Original Contract Amt: \$297,726

CO 1- After the termination of HAR Construction on Project 1, the District contracted with a number of firms in order to complete the project in time to open after the spring break. \$47,930.18 - Approved by the BOT on 4/9/2013 = 16.10%

Phase 1a, Misc. Construction to 6 Separate Buildings; Grahovac Construction, Bid 01-2228-GP, and 01-2219-GP, DSA 04-109869; Original Contract Amt: \$731,485

CO 1- Provide and install electric hand dryers. \$17,821.00 - Approved by the BOT on 5/17/2011 = 2.44%

CO 2- Revisions to the original scope of work to compensate site delays and provide time extensions resulting from the previous contractor on SOM, P1. \$20,892.00 - Approved by the BOT on 8/30/2011 = 5.29%

CO 3- Compensable contract time extension. \$5,270.00 - Approved by the BOT on 10/17/2011 = 6.01%

CO 4- Additional overhead cost to have Contractor on site for additional request work over/above the contracted period. \$21,372.00 - Approved by the BOT on 12/11/2011 = 8.93%

Phase 1b-1, Modernization of 20 Relocatables; APR Construction-Terminated, Bid 23-2321-GP, DSA 04-112719;



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Original Contract Amt: \$705,000

CO 1- Provide labor and materials for painting Relos 40, 50, 55. \$18,200.00 - Approved by the BOT on 7/15/2013 = 2.58%

CO 2- To install pathway, wire, and termination for WiFi nodes. \$19,130.00 - Approved by the BOT on 8/19/2013 = 5.3%

Phase 1b-1, Casework Upgrades; GEM Industrial, Inc., Bid 23-2358-GP, DSA 04-112719; Original Contract Amt: \$89,000

CO 1- Add lock on all cabinet doors and drawers in administration area. \$883.58 - Approved by the BOT on 9/16/2013 = .99%

CO 2- Install new electrical outlet in the south working station. \$981.09 - Approved by the BOT on 10/21/2013 = 1.09%

CO 3- Add locks on cabinet drawers in library and reception area. \$793.61 - Approved by the BOT on 11/18/2013 = 2.99%

Phase 1b-1, Fence Completion; Lightning Fence, Bid 34-2375-GP, DSA 04-112719; Original Contract Amt: \$52,000

No Construction Contract Change Orders.

Phase 1b-2, Alterations to Bldgs E & F; Whillock Contracting-Terminated; Bid 34-2405-GP, DSA 04-112719;

Original Contract Amt: \$2,300,000

CO 1- Replace old paving to match current. \$52,556.80 - Approved by the BOT on 6/30/14 = 2.24%

CO 2 -Reframing of window headers, re-route water line. \$29,562.78 - Approved by the BOT on 10/2/14 = 3.50%

CO 3- Remove old water lines, match fencing to existing. \$35,211.09 - Approved by the BOT on 12/18/14 = 5.01%

CO 4- Install new sewer line, repair concrete floors inside classrooms. \$43,675.23 - Approved by the BOT on 5/26/15 = 6.88%

CO 5- Install additional smoke detectors. \$2,961.13 - Approved by the BOT on 2/22/16 = 7.13%

CO 6- Deductions for unperformed work. (\$69,920.52) - Approved by the BOT on 2/22/16 = 3.04%

CO 7- Part of Settlement Agreement for unperformed work. (\$8,828.66) - Approved by the BOT on 2/22/16 = .38%
(Settlement Agreement- \$172,000.00 –Approved by the BOT on 2/8/16.)

Phase 1b-2, Completion-Continuation work from Whillock; New Vision Building & Design, Bid 56-2532-RB, DSA 04-112719; Original Contract Amt: \$109,212

CO 1- Install new concrete pad, modify access door. \$10,901.76 - Approved by the BOT on 5/23/16 = 9.98%

Phase 1b-2, Skylights; MA Stevens Construction, Bid 56-2554-TC, DSA 04-112719; Original Contract Amt: \$118,604

CO 1- Add blocking to existing roof joist. \$9,722.84 – Approved by the BOT on 2/13/17 = 8.19%

Phase 1, Smart Board Integration; Time and Alarm Systems, Bid 45-2483-RB, Non-DSA Project; Original Contract Amt: \$34,400

CO 1- Substitution of Epson projector, no longer manufactured. Credit issued for difference. (\$1,918.00) - Approved by the BOT on 5/23/16 = (.05%)

Phase 1c, Renovation of Bldgs. C & D; MA Stevens Construction, Bid 45-2488-RB, DSA 04-113812; Original Contract Amt: \$931,642

CO 1- Install new windows. \$38,454.12 - Approved by the BOT on 8/24/15 = 4.12%

CO 2- Install stucco to match current, correct sewer lines. \$18,436.84 - Approved by the BOT on 9/28/15 = 6.11%

CO 3- Remediate termite damage, remove plumbing fixtures containing lead. \$53,287.25 - Approved by the BOT on 11/18/15 = 11.83%

CO 4- Replace 12 window panels and remove fire alarms/tv brackets/tack boards to prepare for painting. \$47,816.72 - Approved by the BOT on 1/25/16 = 16.96%



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Sweetwater High School
Funding Source: Prop O Bond Sale 1 Fund 22 and CSFF Fund 35
PM/PS: Trent Carr/Mary King
Project Name: SUH Food Services Facilities
A-E/Contractor: Roesling-Nakamura Architects, Inc. / TBD
Inspector: TBD

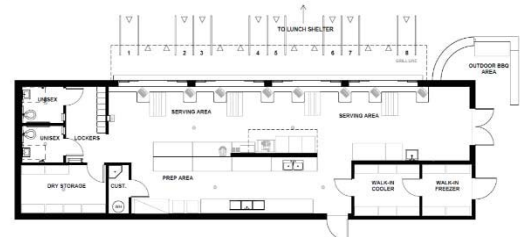
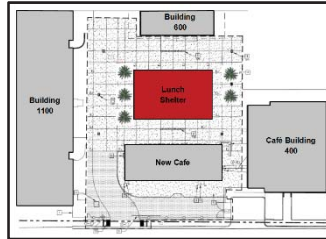
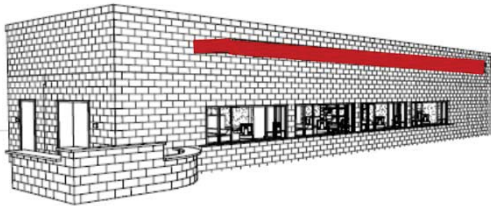
Project Description: The scope of work includes the addition of a stand-alone food service building and an adjoining shade structure for use as a covered eating area.

Construction Status:

DSA In: 02/17/2017	Contract Duration: TBD	% Complete: TBD
DSA Out: 00/00/0000	Contract Start Date: 00/00/0000	Estimated Completion: TBD
ID No.: XX-XXXX-TC	Original Completion: 00/00/0000	Estimated Occupancy: TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	200,000	Initial Contracted Amount	202,433
Soft Cost	198,280	140,684	91,331	Approved Changes	1,200,000	Construction Contract COs	-
Hard Cost	1,020,720	-	-	Pending Changes	-	Other Contract Changes	(61,749)
FF&E	62,500	-	-	Total	1,400,000	Total	140,684
Contingency	118,500	-	-	Budgeted Contingency	8.5%	Budget Committed	10.0%
Total	1,400,000	140,684	91,331	Original Budget approved on 04/21/2014.			
Budgeted Hard Cost	72.9%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: The project is currently being reviewed by DSA. The SUHSD Planning Department & Maintenance Department have completed their review.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Sweetwater High School
Funding Source: Prop O Bond Sale 1 Fund 22, CSFF Fund 35, Prop BB Fund 21, QZAB and Adult Ed.
PM/PS: Trent Carr/Mary King
Project Name: SUH Project 1
A-E/Contractor: Multiple
Inspector: Multiple

Project Description: There were five separate contracts associated with this funding:

1. Build a new three story administration/classroom building and adjacent new theater/library building.
2. Mechanical upgrades to Building 100.
3. Remodel modular classroom.
4. Installation of SMART Boards.
5. Completion of new Welding Building to include: partial site demolition, ADA site improvements, hardscape, landscape, electrical, grading, new pedestrian metal gate door, new chain link fence, new light bulbs for existing baseball scoreboard, relocation of existing container bins, repair of existing concrete slab and exterior wire mesh screens.

Construction Status:

DSA In: 12/11/2008 10/26/2009	Contract Duration: Multiple	% Complete: 100%
DSA Out: 09/24/2009 08/12/2010	Contract Start Date: Multiple	Estimated Completion: Multiple
ID No.: Multiple	Original Completion: Multiple	Estimated Occupancy: Multiple

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	45,627,823	Initial Contracted Amount	48,342,259
Soft Cost	11,325,533	11,285,312	11,285,312	Approved Changes	4,252,047	Construction Contract COs	798,906
Hard Cost	36,183,689	36,183,689	36,183,689	Pending Changes	-	Other Contract Changes	698,436
FF&E	2,370,648	2,370,600	2,370,600	Total	49,879,870	Total	49,839,601
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	99.9%
Total	49,879,870	49,839,601	49,839,601	Original Budget approved on 04/21/2008.			
Budgeted Hard Cost	72.5%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: The Planning & Construction Department are requesting proposals to repair the cracking of the terrazzo floor.

Construction Contract Change Orders:

SUH P1 - Sundt Construction Inc., LLB, DSA 04-110047

CO 1 - Re-route sewer line. \$23,885.00 - Approved by the BOT on 06/14/2010 = 0.08%

CO 2 - Provide electrical upgrades. \$82,593.00 - Approved by the BOT on 07/26/2010 = 0.38%

CO 3 - Remove and replace old fittings. \$5,856.00 - Approved by the BOT on 09/20/2010 = 0.40%

CO 4 - Add an additional electrical panel in theater. \$2,158.00 - Approved by the BOT on 10/18/2010 = 0.40%

CO 5 - Provide water heater vent and combustion air ducts. \$28,949.00 - Approved by the BOT on 11/15/2010 = 0.51%



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

CO 6 - Provide water line extension for future extensions. \$16,525.00 - Approved by the BOT on 12/13/2010 = 0.56%

CO 7 - Provide additional improvements to grandstands and restrooms. \$27,950.00 - Approved by the BOT on 01/24/2011 = 0.66%

CO 8 - Extend curtain wall. \$3,748.00 - Approved by the BOT on 02/15/2011 = 0.68%

CO 9 - Revise bus drop off area. \$34,938.00 - Approved by the BOT on 02/15/2011 = 0.82%

CO 10 - Rework to accommodate Smart boards. \$191,128.00 - Approved by the BOT on 04/27/2011 = 1.01%

CO 11 - Add electrical conduits for future use. \$101,677.00 - Approved by the BOT on 05/17/2011 = 1.83%

CO 12 - Add roller shades. \$18,861.00 - Approved by the BOT on 06/20/2011 = 1.90%

CO 13 - Provide new water service and connection for Building 100 along 30th Street. \$126,793.00 - Approved by the BOT on 08/30/2011 = 2.35%

CO 14 - Carrier center modifications for computer stations. \$66,421.00 - Approved by the BOT on 08/30/2011 = 2.58%

CO 15 - Correct sidewalk elevations and ADA access. \$38,089.00 - Approved by the BOT on 09/19/2011 = 2.72%

Mechanical Upgrades to Building 100 - R & R Controls, Inc., Bid 34-2397-GP, (non DSA bid)

CO 1 – Verify the operation of all the multi zone unit bypass dampers. \$2,858.00 - Approved by the BOT on 11/20/2014 = 4.99%

Removal of portable classroom - GA Dominguez, Bid 12-2286-GP, (non DSA bid)

Allowance Return (\$4,343.33) - 2.84% decrease

Installation of Smart Boards – Stephen Silveira Construction, Bid 01-2243-GP, (non DSA bid)

CO 1 – Remove existing projector mounts. \$3,808.00 – Approved by the BOT on 10/15/2011 = 4.69%

Welding 2 – APR Construction, Bid 12-2309-GP, DSA 04-110593

CO 1 – Replace exterior light. \$23,190 - Approved by the BOT on 11/18/2013 = 8.37%

CO 2 – Install steel piping to tank manifold. \$2,830.00 - Approved by the BOT on 01/14/2014 = 9.39%

CO 3 – Install breaker lockout mechanism. \$992.20 - Approved by the BOT on 01/14/2014 = 9.75%



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Sweetwater High School
Funding Source: Prop O Bond Sale 1 Fund 22 and Prop BB Fund 21
PM/PS: Trent Carr/Mary King
Project Name: SUH ADA Hygiene Restrooms
A-E/Contractor: Sillman Wright Architects/Cyber Professional Solutions Corp
Inspector: Construction Quality Assurance Group, LLC

Project Description: The project consist of abatement of the floor tile and exterior wall, demolition, and two new ADA restrooms and new ADA kitchenettes.

Construction Status:

DSA In: 12/07/2015	Contract Duration: 50 Days	% Complete: 100%
DSA Out: 04/27/2016	Contract Start Date: 07/12/2016	Estimated Completion: 02/13/2017
ID No.: 45-2513-TC	Original Completion: 09/20/2016	Estimated Occupancy: 01/05/2017

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	240,000	Initial Contracted Amount	284,215
Soft Cost	53,235	45,150	42,867	Approved Changes	85,000	Construction Contract COs	39,208
Hard Cost	256,775	264,026	211,864	Pending Changes	-	Other Contract Changes	
FF&E	14,990	14,247	4,007	Total	325,000	Total	323,423
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	99.5%
Total	325,000	323,423	258,738	Original Budget approved on 04/27/2015.			
Budgeted Hard Cost	79.0%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: The project is completed and punch list items have been completed. The furniture was delivered and installed on April 6th.

Construction Contract Change Orders: SUH ADA Hygiene Room, Cyber Professional Solutions Corp. Bid #45-2513-TC, DSA 04-114816

CO 1 – Upgrade sub-panel, additional floor abatement, Corian counter tops and changing tables, build attic space, reduce concrete slab, demolish and re-pour a section of asphalt parking lot, install water line for refrigerator, build drywall soffits and install tile walls behind counters. \$39,208.46 – Approved by BOT on 12/12/16 – Reso #4467 = 18.33%



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Sweetwater High School
Funding Source: Prop O Bond Sale 1 Fund 22
PM/PS: Trent Carr/Mary King
Project Name: SUH Site Improvements
A-E/Contractor: Multiple
Inspector: N/A

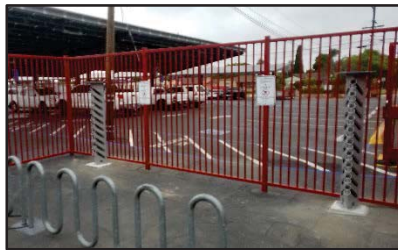
Project Description: There were five separate contracts associated with this funding:

1. The work consists of demolition of existing fences and electrical transformer and new construction consist of asphalt, slurry coat, metal fencing, sliding automatic metal gates, pedestrian gates and trash enclosures.
2. Removal, demolition and backfill of existing foundations from Sweetwater High School.
3. Asbestos abatement and demolition of Welding Building
4. Installation of dance room flooring in a multi-purpose room in the new gymnasium.
5. Wrestling room pads and mats

Construction Status:

DSA In:	N/A	Contract Duration:	Multiple	% Complete:	Multiple
DSA Out:	N/A	Contract Start Date:	Multiple	Estimated Completion:	Multiple
ID No.:	Multiple	Original Completion:	Multiple	Estimated Occupancy:	Multiple
Summary Status				Original Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted
Site Cost	-	-	-	Initial Amount	2,000,000
Soft Cost	82,145	71,065	69,046	Approved Changes	(1,065,000)
Hard Cost	848,925	843,958	804,812	Pending Changes	-
FF&E	-	-	-	Total	935,000
Contingency	3,930	-	-	Budgeted Contingency	0.4%
Total	935,000	915,023	873,858	Original Budget approved on 10/21/2013.	
Budgeted Hard Cost		90.8%		Committed Budget Commitment Status Initial Contracted Amount 916,133 Construction Contract COs (1,110) Other Contract Changes Total 915,023 Budget Committed 97.9% <i>Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.</i>	

Project Status/Comments:



Summary - Key Issues: The bike, skateboard and scooter racks have been installed in the secured area. The Final Retention to the contractor has been processed.

Construction Contract Change Orders:

Parking Lot – SD Global Development Inc. dba: New Vision Building & Design, Bid 56-2571-TC, (non DSA bid)
 CO 1 – Provide and install a bike enclosure, an eight foot tall fence, and one gate with latches. \$12,894 – Approved by the BOT on 11/14/2016 = 2.15%

Demolition – APR Construction, Bid 23-2345-GP, (non DSA bid)
 CO 1 - Reduction of Storm Water Pollution Prevention Plan materials. (\$936.36) Approved by the BOT on 07/15/2013 = 2.13% decrease

Welding Building Demolition – Anton's Service Inc., Bid 45-2490-TC, (non DSA bid)
 Allowance return (\$10,000) – 20% decrease



SWEETWATER UNION HIGH SCHOOL DISTRICT
Capital Projects Report
II. ACTIVE PROJECT MONTHLY STATUS REPORT

Dance Room Flooring – Khavari Construction Inc., Bid 45-2501-GP, (non DSA bid) CO 1 – Repair in lieu of replacing doors. (\$3,068.70) = 7.25% decrease

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Sweetwater High School
Funding Source: Prop O Bond Sale 1 Fund 22, Chargers and City of National City
PM/PS: Trent Carr/Mary King
Project Name: SUH Track & Field
A-E/Contractor: Multiple
Inspector: Multiple

Project Description: There were three separate contracts associated with this funding:

1. Installation of Artificial Turf Field and Track area
2. Track and Field Electrical Upgrade
3. Girls' Softball Practice Field

Construction Status:

DSA In: 11/14/2012	Contract Duration: Multiple	% Complete: Multiple
DSA Out: 03/13/2013	Contract Start Date: Multiple	Estimated Completion: Multiple
ID No.: Multiple	Original Completion: Multiple	Estimated Occupancy: Multiple

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	2,200,000	Initial Contracted Amount	2,865,543
Soft Cost	292,943	220,870	220,870	Approved Changes	919,492	Construction Contract COs	89,979
Hard Cost	2,527,565	2,412,296	2,412,296	Pending Changes	-	Other Contract Changes	(23,427)
FF&E	298,984	298,930	298,930	Total	3,119,492	Total	2,932,095
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	94.0%
Total	3,119,492	2,932,095	2,932,095	Original Budget approved on 7/23/2012.			
Budgeted Hard Cost		81.0%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: The architects proposal is be submitted to the June 26th Board Meeting. The last component of the SUH - Track & Field are two concession stands. Planning & Construction has developed a prototype concession stand that could be duplicated at other school sites.

Construction Contract Change Orders:

Track and Field – Byrom Davey, Inc., Bid 12-2297-GP, DSA 04-112655

CO 1 – Reroute water line to restroom. \$13,145.47 – Approved by the BOT on 08/19/2013 = .007%

CO 2 – Removal of asphalt curb and installation of new concrete flatwork of existing home bleachers ramp. \$2,692.98 - Approved by the BOT on 09/23/2013 = 0.8%

CO 3 – Remove and install asphalt paving on both sides of new driveway. \$49,906.48 – Approved by the BOT on 11/13/2013 = 3.5%

CO 4 – Provide midfield mascot logo and two district logos. \$25,926.45 – Approved by the BOT on 11/13/2013 = 4.89%

Track and Field Electrical Upgrade – A & B Restoration and Remodel, Bid 34-2404-GP, (non DSA bid)
 No Change Orders.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Girls' Softball Practice Field – Fordyce, Bid 45-2482-GP, (non DSA bid)

CO 1 – Additional infield soil. \$505.00 = 1.79%

CO 2 – Cut and haul off three backstops. \$592.00 = 3.92%

CO 3 – Demolish playground equipment. \$753 = 6.56%

Allowance return (\$3,537) – 12.54% decrease



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Sweetwater High School
Funding Source: Prop O Bond Sale 1 Fund 22
PM/PS: Trent Carr/Mary King
Project Name: SUH Title IX
A-E/Contractor: Sillman Wright Architects/M.A. Stevens Construction
Inspector: Construction Quality Assurance Group LLC

Project Description: The project is a Title IX project. The project consists of demolition of existing batting cage and concrete pad, new batting and pitching cage, electrical upgrades to the dugout, new scoreboard, and ADA path of travel from the Welding Academy.

Construction Status:							
DSA In:	12/07/2015	Contract Duration:	80 Days	% Complete:	100%		
DSA Out:	07/13/2016	Contract Start Date:	10/11/2016	Estimated Completion:	03/05/2017		
ID No.:	45-2503-TC	Original Completion:	01/17/2017	Estimated Occupancy:	03/05/2017		
Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	250,000	Initial Contracted Amount	336,830
Soft Cost	77,248	74,326	42,715	Approved Changes	104,248	Construction Contract COs	(2,080)
Hard Cost	270,000	269,509	246,192	Pending Changes	-	Other Contract Changes	10,120
FF&E	7,000	1,035	1,035	Total	354,248	Total	344,870
Contingency	-	-	-	Budgeted Contingency	6.4%	Budget Committed	97.4%
Total	354,248	344,870	289,942	Original Budget approved on 12/14/2015. Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			
Budgeted Hard Cost	76.2%						

Project Status/Comments:



Summary - Key Issues: The project has been completed and the project is in close-out. The scoreboard, pitching cage, batting cage, D – Avenue gate and electrical upgrades have been installed.

Change Orders:

SUH Title IX Softball Field Modifications – M.A. Stevens, Bid 45-2503-TC, DSA 04-114815
 CO 1 – Additional concrete and asphalt. \$14,974.37 – Ratified by the BOT on 2/13/17 = 5.83%
 CO 2 – Return unused allowance, (\$17,054.22) – Ratified by the BOT on 2/27/17 = -.81%

SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: June 8, 2017
Site: Multi-Sites
Funding Source: Prop O Bond Sale 2 and CSFF Fund 35
PM/PS: Janea Quirk/Stephanie Napier
Project Name: District-Wide HVAC Project
A-E/Contractor: CW Driver
Inspector: TBD

Project Description: The project scope anticipates installation of 256 single drop gas package HVAC systems for educational facilities and Administrative Student Support Service buildings and nutrition services.

Construction Status:

DSA In: 02/15/2017 **Contract Duration:** TBD **% Complete:** 5%
DSA Out: 05/30/2017 **Contract Start Date:** 06/03/2017 **Estimated Completion:** TBD
ID No.: 67-2580-LB **Completion Date:** 00/00/0000 **Estimated Occupancy:** TBD

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	13,600,000	Initial Contracted Amount	34,934,268
Soft Cost	1,500,000	175,809	153,642	Approved Changes	23,400,000	Construction Contract COs	-
Hard Cost	35,500,000	34,758,459	-	Pending Changes	-	Other Contract Changes	(15,191)
FF&E	-	-	-	Total	37,000,000	Total	34,919,077
Contingency	-	-	-	Budgeted Contingency	10.4%	Budget Committed	94.4%
Total	37,000,000	34,934,268	153,642	Original Budget approved on 03/29/2016.			
Budgeted Hard Cost		95.9%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: The Design Build contract for CW Driver will be taken to the February 13, 2017 Board Meeting for approval. Site assessments and design efforts are in progress. Scope details are being confirmed and coordinated with Maintenance & Operations, and the District Architect. The project scope increased from an estimated 120 to 265 educational and Administrative Student Support. The project is being separated into 2 phases: Phase 1, 6 campuses for summer 2017. Phase 2 details are forthcoming.

On January 23, 2017, to the Board of Trustees approved staff's recommendations for the reallocation of the Proposition O Bond Sale 2 funds. The recommendations included the increasing of this project's existing budget from \$13.6 Million to \$37 Million.

Phase 1 campuses have been submitted to the Division of the State Architect (DSA), and are expected to be out of DSA by the end of May 2017. Pre-bid effort/coordination will begin in March 2017. C.W. Driver is refining and preparing 30% Preliminary Guaranteed Maximum Price (GMP) for presentation to the Board of Trustees.

Phase I 30% Preliminary Guaranteed Maximum Price (GMP) is being taken to the May 8, 2017 board meeting. Phase II construction is projected to begin late August 2017 – December 2017.

Phase 2 is in design and the Phase 2 estimate is trending at \$2.3M. Phase 1 construction began on June 3, 2017.

Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT
Capital Projects Report
II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update:	June 8, 2017	PM/PS:	Janea Quirk/Stephanie Napier
Site:	Montgomery & Southwest H.S.	Project Name:	Overhang Assessment and Remediation
Funding Source:	Deferred Maintenance Fund 14	A-E/Contractor:	TBD
		Inspector:	TBD

Project Description: Assessment and design recommendations for remediation of the breezeway overhangs.

Construction Status:							
DSA In:	00/00/0000	Contract Duration:	TBD	% Complete:	TBD		
DSA Out:	00/00/0000	Contract Start Date:	01/24/2017	Estimated Completion:	00/00/0000		
ID No.:	XX-XXXX-JQ	Completion Date:	06/30/2018	Estimated Occupancy:	00/00/0000		
Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	25,000	Initial Contracted Amount	17,000
Soft Cost	22,000	17,000	4,360	Approved Changes	-	Construction Contract COs	-
Hard Cost	3,000	-	-	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	25,000	Total	17,000
Contingency	-	-	-	Budgeted Contingency	0.00%	Budget Committed	68.0%
Total	25,000	17,000	4,360	Original Budget approved on 1/23/2017			
Budgeted Hard Cost		12.0%		Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: The design assessment is finalizing. The initial plans and estimates have been received and the approximate repair cost for both schools is \$63,000.00. The project will require supplemental funds once the estimates have been completed, this adjustment will be for hard and soft costs, with a projected total estimate of \$100,000 for both sites. Fall break is being tracked for construction and remediation efforts.

Design is complete. Project estimates are being established. Once complete bid advertising may begin.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: Multi-Sites (Impacted Sites are listed in Project Description)
Funding Source: Mello-Roos Fund 49
PM/PS: Ronald Malone/Frank Mendoza
Project Name: Rehabilitation (Managed by Maint. Dept.)
A-E/Contractor: Multiple
Inspector: Multiple

Project Description: On September 23, 2013, the Board of Trustees approved \$2,600,000 to establish a Rehabilitation Allocation to replace capital facility systems at CFD eligible schools. So far the following projects has been approved and completed: BVH Exterior/Interior Painting Admin. Bldg., BVH Asphalt Campus Wide, BVH, re-roofing & breezeways cafeteria, BVH asphalt paving by 800 & 900 bldg., BVM Reroofing/Breezeways & HVAC Admin. Bldg., ELH Flooring Campus, ELH Doors & Hardware PE dept., ELH Concrete Theater, ELH Ferandell tennis court Rehabilitation, ELH remove & replace plumbing fixtures football stadium restrooms, ELH Aztec Landscaping Inc. renovated landscape south entrance of the school, ELH repair asphalt in front of the band room & at the stop sign by the double yellow gate, ELM Reroofing 800/1000 bldg., ELM Concrete Parking Lot, ELM repair asphalt PE area/basketball courts, ORH Gym Bleachers, ORH Light fixtures in the Pavilion, OLH Replace Backflow, OLH Flooring Relocatable Classrooms 952/953, RDR Commercial Industrial Roofing and SYH Flooring 8000 bldg.

Construction Status:

DSA In:	Multiple	Contract Duration:	Multiple	% Complete:	Multiple
DSA Out:	Multiple	Contract Start Date:	Multiple	Days Over Schedule:	Multiple
ID No.:	Multiple	Completion Date:	Multiple	Estimated Occupancy:	Multiple

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	2,600,000	Initial Contracted AMT	2,593,520
Soft Cost	-	-	-	Approved Changes		Construction Contract COs	-
Hard Cost	2,600,000	2,593,520	2,553,437	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	2,600,000	Total	2,593,520
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	99.8%
Total	2,600,000	2,593,520	2,553,437	Original Budget approved on 09/23/2013.			
Budgeted Hard Cost	100.0%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:

Eastlake Middle School



Olympian High School



Bonita Vista Middle School



Summary - Key Issues: Projects in construction phase include ELH Dugmore & Duncan Inc. (project budget: \$1,861.17) custodial gym door renovation. Upcoming projects will include: OLH A&A Flooring (\$3,771.75) remove carpet & install VCT room 408; BVH Bonita Pipeline (6,303.04) repair catch basin & asphalt in front of 914 & 916. Project cancelled: 4/27/17 ELM GB's Fence Company refurbish (7) gate closers on campus (closers can't support the weight of the gate).

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017 **PD/PS:** Karl Bradley/Allie Serrano
Site: Multi-Sites (Impacted Sites are listed in Project Description) **Project Name:** Rehabilitation (Managed by Planning Dept.)
Funding Source: Mello-Roos Fund 49 **A-E/Contractor:** Multiple
Inspector: Multiple

Project Description: On September 23, 2013, the Board of Trustees approved \$2,400,000 to establish a Rehabilitation Allocation to replace capital facility systems at CFD eligible schools. So far the following projects have been approved and completed: ELH Baseball Wall, ELH Bike Racks Installation, ELH Campus Wide Fire Alarm Upgrade, ELH HVAC Replacement & Reroof – Gym, ELH Portable Restroom, ELM PE Paving, ELM Drainage Improvements, OLH Parking Lot, and SYH Stadium Sound System.

Construction Status:

DSA In:	Multiple	Contract Duration:	Multiple	% Complete:	Multiple		
DSA Out:	Multiple	Contract Start Date:	Multiple	Estimated Completion:	Multiple		
ID No.:	Multiple	Original Completion:	Multiple	Estimated Occupancy:	Multiple		
Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	2,400,000	Initial Contracted AMT	1,861,416
Soft Cost	183,731	173,974	175,289	Approved Changes	(325,000)	Construction Contract COs	20,667
Hard Cost	1,627,313	1,430,129	1,430,060	Pending Changes	-	Other Contract Changes	(21,397)
FF&E	244,304	256,583	240,368	Total	2,075,000	Total	1,860,686
Contingency	19,652	-	-	Budgeted Contingency	0.9%	Budget Committed	89.7%
Total	2,075,000	1,860,686	1,845,717	Original Budget approved on 09/23/2013. <i>Other Contract Changes</i> represents any changes to Purchase Orders for Soft Cost and FF&E. <i>Construction Contracts Change Orders</i> (COs) are further described below.			
Budgeted Hard Cost	78.4%						

Project Status/Comments:



Eastlake Middle School



EASTLAKE HIGH SCHOOL



Olympian High School



Summary - Key Issues: ELM drainage improvements project completed on 09/27/2016 (project budget: \$9,896). ELM Fans in the Adaptive Building completed on 01/02/2017 (project budget is \$14,900). Projects that are currently under way include the ELM Irrigation Valve (project budget for supplies is \$1,315), OLH Parking Lot (project budget is \$35,000), and ELH Bldgs. 400, 700, & 800 Safety Rehabilitation (project budget is \$7,500).

Construction Contract Change Orders:

ELH Campus Wide Fire Alarm Upgrade - Saturn Electric, Bid 45-2475-LM, DSA 04-113854

CO 1 - Smoke detection coverage & roof receptacles. \$16,398.00 – Approved by the BOT on 12/14/15 = 2.89%

ELH Roof Replacement Gym – Commercial & Industrial Roofing, Co., Inc., Bid 34-2424-LM, Non-DSA

CO 1 – 16 new skylight units. \$9,269.00 – Approved by the BOT on 08/21/14 = 2.97%

ELH Portable Restroom – GEM Industrial Electric, Inc., Bid 45-2492-LM, DSA 04-114201

CO 1 – Credit for unused allowance. (\$5,000.00) – Approved by the BOT on 07/23/12 = (3.25%)



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: District Admin Center - L St
Funding Source: SRF COP Fund 40 & Deferred Maintenance Fund 14
PM/PS: Armando Murillo/Allie Serrano
Project Name: L St HVAC & Roof Replacement (670)
A-E/Contractor: SDCOE
Inspector: City of Chula Vista

Project Description: The project will include the replacement of the existing roof and the replacement of all non-operational HVAC units and associated duct work.

Construction Status:			
City CV In:	07/01/2017	Contract Duration:	90 calendar days
City CV Out:	09/01/2017	Contract Start Date:	00/00/0000
ID No.:	XX-XXXX-AM	Original Completion:	00/00/0000
		% Complete:	5%
		Estimated Completion Date:	TBD
		Estimated Occupancy:	Occupied

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	2,000,000	Initial Contracted AMT	-
Soft Cost	-	-	-	Approved Changes	-	Construction Contract COs	-
Hard Cost	2,000,000	10,000	10,000	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	2,000,000	Total	-
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	0.0%
Total	2,000,000	10,000	10,000	Original Budget approved on 01/23/2017.			
Budgeted Hard Cost	100.0%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: A meeting was held between Planning & Construction, Maintenance, San Diego County Office of Education (SDCOE), and Design Build Team Soltek Pacific to discuss project scope and budget. The preliminary GMP and schedule was submitted by SDCOE. The GMP and project schedule was reviewed and comments sent to SDCOE. This project will be submitted to the City of Chula Vista for permitting. Current project scope involves demolition, roofing, HVAC replacement, new curbs, relocating existing electrical and Tel Data, and connections to existing ductwork and controls.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: 670 L Street, Suite G
Funding Source: SRFCOP Fund 40

PM/PS: Armando Murillo/Lisa Pippen
Project Name: L St. – Athletics (670 Ste. G)
A-E/Contractor: RNT/TBD
Inspector: City of Chula Vista

Project Description: Remodel of existing office area to house Athletics and Wellness departments for the District. Demolition and installation of new floors, ceilings, walls, doors, hardware, electrical, plumbing, intrusion, fire alarms and HVAC.

Construction Status:

DSA In: 02/28/2017	Contract Duration: 90 days	% Complete: 25%
DSA Out: 05/30/2017	Contract Start Date: 00/00/0000	Estimated Completion: 12/30/2017
ID No.: 67-2604-AM	Original Completion: 00/00/0000	Estimated Occupancy: 12/30/2017

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	200,000	Initial Contracted Amount	70,969
Soft Cost	68,220	60,963	36,779	Approved Changes	174,000	Construction Contract COs	-
Hard Cost	295,780	6	3,226	Pending Changes	-	Other Contract Changes	-
FF&E	10,000	10,000	4,233	Total	374,000	Total	70,969
Contingency	-	-	-	Budgeted Contingency	0.0%	Budget Committed	19.0%
Total	374,000	70,969	44,238	Original Budget approved on 08/14/2016.			
Budgeted Hard Cost	79.1%			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

Project Status/Comments:



Summary - Key Issues: Project plans have been signed off by the City of Chula Vista and the permit is ready to be pulled. This project will be coordinated with the L St. Roof & HVAC replacement projected contracted through San Diego County Office of Education (SDCOE) in the same building. For logistic purposes, Suite G construction schedule will be placed on hold until the Roof & HVAC project have been completed. It would be disruptive to Athletics to move into the building, while the work is ongoing above. Once SDCOE has finalized the Roof & HVAC scope and schedule, Suite G work will be coordinated.

Construction Contract Change Orders: None.



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

II. ACTIVE PROJECT MONTHLY STATUS REPORT

Update: May 31, 2017
Site: 680 L Street, Suites A,B & F
Funding Source: SRFCOP Fund 40
PM/PS: Armando Murillo/Lisa Pippen
Project Name: L St – HVAC 2 (680 Ste. A, B & F)
A-E/Contractor: Henrikson / TBD
Inspector: City of Chula Vista

Project Description: Removal and replacement of seven existing A/C units – two new units over NAPA Auto Parts and five units over Harbor Freight suites. All existing duct work and controls are in fair condition and will be reused.

Construction Status:											
City CV In:		11/01/2016		Contract Duration:		30 days		% Complete:		15%	
City CV Out:		03/01/2017		Contract Start Date:		00/00/0000		Estimated Completion:		00/00/0000	
ID No.:		67-2584-AM		Original Completion:		00/00/0000		Estimated Occupancy:		Occupied	
Summary Status				Original Budget				Committed Budget			
Description	Budgeted	Committed	Expended	Original Budget	Budgeted			Commitment Status	Committed		
Site Cost	-	-	-	Initial Amount	100,000			Initial Contracted Amount	12,073		
Soft Cost	43,300	12,073	12,073	Approved Changes	74,984			Construction Contract COs	-		
Hard Cost	127,784	-	-	Pending Changes	-			Other Contract Changes	-		
FF&E	-	-	-	Total	174,984			Total	12,073		
Contingency	3,900	-	-	Budgeted Contingency	3.9%			Budget Committed	12.1%		
Total	174,984	12,073	12,073	Original Budget approved on 06/27/2016.				Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			
Budgeted Hard Cost	73.0%										

Project Status/Comments:



Summary - Key Issues: The project was re-bid and contractor proposals were received on 05/25/17. Johnson Controls is the successful bidder and currently in the award phase. Once the contract has been finalized and approved by Board Of Trustees, the Project Preconstruction meeting will be held with contractor and HVAC units will be ordered. Construction start date will be based on HVAC unit delivery date with a total duration of 30 calendar days. Tenants at Harbor Freight and NAPA Auto parts have been briefed and will be notified prior to construction start.

Construction Contract Change Orders: None.

Current Budget Detail Monthly Report

The purpose of the attached report is to provide a detailed listing of the funding source for each of the Sweetwater Union High School District's Capital Projects. The total *Current Budget* may also be referenced in Sections I and II of this packet.

The information within this report is broken out into two separate sections. The first section provides a list of Active Project in alphabetical order by site and project name. The second section provides a list of Completed Projects in alphabetical order by project name.

Section



Important Notes:

Current Budget Amounts include budget revisions approved by the District's Board of Trustees on 5/22/2017 (Board Agenda Item M-1).

Current Budget Thru 5/22/2017

Prepared by:

Sweetwater Union High School District
Fiscal Services Department
(619) 691-5550



SWEETWATER UNION HIGH SCHOOL DISTRICT
Capital Projects Report
III. CURRENT BUDGET DETAIL MONTHLY REPORT

Site Name/Project Name	Fund 14 Deferred Maintenance	Fund 21 Prop BB	Fund 22 Prop O Bond Sale 1	Fund 22 BS 1 Interest + Misc.	Fund 22 Prop O Bond Sale 2	Fund 22 BS 2 Interest + Misc	Fund 23 Prop O BAN	Fund 25 Capital Facilities Fund	Fund 35 County School Fac. Fund	Fund 40 Special Reserve Fund	Fund 49 Mello-Roos CFD Fund	Other Funding	Current Budget
A. Active Projects													
Bonita Vista High School													
Bonita Vista HS Artificial Track & Field			\$ 177,540		\$ 4,750,000						\$ 66,799		\$ 4,994,339
Bonita Vista HS Title IX (Girls Locker Rm)									\$ 430,335				\$ 430,335
			\$ 177,540		\$ 4,750,000				\$ 430,335		\$ 66,799		\$ 5,424,674
Bonita Vista Middle School													
Bonita Vista MS Site Master Plan (2017)					\$ 120,000								\$ 120,000
					\$ 120,000								\$ 120,000
Castle Park High School													
CPH Band Room Abatement/Remediation									\$ 166,461				\$ 166,461
Castle Park HS Gym Bleachers					\$ 535,000				\$ 400,000				\$ 935,000
Castle Park HS Site Master Plan (2017)					\$ 120,000								\$ 120,000
					\$ 655,000				\$ 566,461				\$ 1,221,461
Castle Park Middle School													
Castle Park MS Site Master Plan (2017)					\$ 120,000								\$ 120,000
					\$ 120,000								\$ 120,000
Chula Vista High School													
Chula Vista HS Relocatable Classrooms 2017-18								\$ 1,245,000					\$ 1,245,000
Chula Vista HS Site Master Plan (2017)					\$ 120,000								\$ 120,000
Chula Vista HS Title IX (Softball Team Room)			\$ 460,000										\$ 460,000
			\$ 460,000		\$ 120,000			\$ 1,245,000					\$ 1,825,000
Eastlake High School													
Eastlake HS Relocatable Classrooms 2017-18											\$ 1,051,660		\$ 1,051,660
Eastlake HS Roof/HVAC Phase 4 (2017)											\$ 1,923,085		\$ 1,923,085
Eastlake HS Title IX											\$ 240,000		\$ 240,000
											\$ 3,214,745		\$ 3,214,745
Hilltop High School													
Hilltop HS Title IX									\$ 200,000				\$ 200,000
Hilltop HS - Track & Field			\$ 234,556		\$ 4,265,444								\$ 4,500,000
			\$ 234,556		\$ 4,265,444				\$ 200,000				\$ 4,700,000
Hilltop Middle School													
HTM Mod. & Expansion of Bldg. 600 (Proj 1)					\$ 5,340,000								\$ 5,340,000
					\$ 5,340,000								\$ 5,340,000
Mar Vista Academy													
Mar Vista Academy Site Master Plan (2017)					\$ 120,000								\$ 120,000
					\$ 120,000								\$ 120,000
Mar Vista High School													
Mar Vista HS - Proj 2			\$ 1,800,000						\$ 1,000,000				\$ 2,800,000
Mar Vista HS Site Master Plan (2017)					\$ 120,000								\$ 120,000
Mar Vista HS Title IX (Softball Batting Cages)									\$ 3,824				\$ 3,824



SWEETWATER UNION HIGH SCHOOL DISTRICT
Capital Projects Report
III. CURRENT BUDGET DETAIL MONTHLY REPORT

Site Name/Project Name	Fund 14 Deferred Maintenance	Fund 21 Prop BB	Fund 22 Prop O Bond Sale 1	Fund 22 BS 1 Interest + Misc.	Fund 22 Prop O Bond Sale 2	Fund 22 BS 2 Interest + Misc	Fund 23 Prop O BAN	Fund 25 Capital Facilities Fund	Fund 35 County School Fac. Fund	Fund 40 Special Reserve Fund	Fund 49 Mello-Roos CFD Fund	Other Funding	Current Budget
Mar Vista HS Pool Replacement					\$ 6,000,000								\$ 6,000,000
			\$ 1,800,000		\$ 6,120,000				\$ 1,003,824			\$ -	\$ 8,923,824
Montgomery High School													
MOH: Montgomery Adult Trailer									\$ 120,000				\$ 120,000
									\$ 120,000				\$ 120,000
National City Adult School													
National City Adult School Remediation									\$ 47,000				\$ 47,000
									\$ 47,000				\$ 47,000
National City Middle School													
National City MS - Proj 2 Field Restoration			\$ 512,321										\$ 512,321
			\$ 512,321										\$ 512,321
Olympian High School													
OLH: Easthills Academy Quad											\$ 125,000		\$ 125,000
Olympian HS Relocatable Classrooms 2017-18								\$ 126,000			\$ 574,000		\$ 700,000
								\$ 126,000			\$ 699,000		\$ 825,000
Otay Ranch High School													
ORH Water Intrusion Prevention (MPR)											\$ 25,000		\$ 25,000
Otay Ranch HS Title IX											\$ 95,000		\$ 95,000
											\$ 120,000		\$ 120,000
Palomar High School													
Palomar HS - Proj 1			\$ 100,000	\$ 50,000									\$ 150,000
			\$ 100,000	\$ 50,000									\$ 150,000
San Ysidro High School													
San Ysidro HS Project 1 Scoreboard									\$ 5,000				\$ 5,000
San Ysidro HS 4 ROTC portables									\$ 85,500				\$ 85,500
									\$ 90,500				\$ 90,500
Southwest High School													
SOH Gym ADA Bleacher Replacem't (RR & Floo	\$ 250,000				\$ 535,000				\$ 400,000				\$ 1,185,000
Southwest HS Site Master Plan (2017)					\$ 120,000								\$ 120,000
Southwest HS Portable Modernization								\$ 660,000	\$ 200,000				\$ 860,000
Southwest HS Title IX			\$ 339,000						\$ 50,000				\$ 389,000
	\$ 250,000		\$ 339,000		\$ 655,000			\$ 660,000	\$ 650,000				\$ 2,554,000
Southwest Middle School													
Southwest MS - Proj 1			\$ 18,778,364	\$ 434,603					\$ 3,542,979	\$ 460,000			\$ 23,215,946
			\$ 18,778,364	\$ 434,603					\$ 3,542,979	\$ 460,000			\$ 23,215,946
Sweetwater High School													
Sweetwater HS Food Service Facilities			\$ 850,000						\$ 550,000				\$ 1,400,000
Sweetwater HS - Proj 1		\$ 12,000,000	\$ 12,244,187						\$ 25,391,414				\$ 49,879,870
Sweetwater HS - P1 ADA Hygiene RRs		\$ 170,762	\$ 80,123	\$ 55,000								\$ 19,115	\$ 325,000
Sweetwater HS P1 Site Improvements			\$ 935,000										\$ 935,000



SWEETWATER UNION HIGH SCHOOL DISTRICT
Capital Projects Report
III. CURRENT BUDGET DETAIL MONTHLY REPORT

Site Name/Project Name	Fund 14 Deferred Maintenance	Fund 21 Prop BB	Fund 22 Prop O Bond Sale 1	Fund 22 BS 1 Interest + Misc.	Fund 22 Prop O Bond Sale 2	Fund 22 BS 2 Interest + Misc	Fund 23 Prop O BAN	Fund 25 Capital Facilities Fund	Fund 35 County School Fac. Fund	Fund 40 Special Reserve Fund	Fund 49 Mello-Roos CFD Fund	Other Funding	Current Budget
Sweetwater HS - Synthetic Track & Field			\$ 2,719,492									\$ 400,000 NC, NFL	\$ 3,119,492
Sweetwater HS - Title IX			\$ 291,325	\$ 62,923									\$ 354,248
		\$ 12,170,762	\$ 17,120,127	\$ 117,923					\$ 25,941,414			\$ 663,384	\$ 56,013,610
New Schools													
Middle School 12/High School 14											\$ 33,312,531	\$ 146,687,469 Unfunded	\$ 180,000,000
											\$ 33,312,531	\$ 146,687,469	\$ 180,000,000
Multi-Site													
Abatement Projects (asbestos, lead, etc.)									\$ 686,539				\$ 686,539
HVAC Project					\$ 33,000,000				\$ 4,000,000				\$ 37,000,000
MOH & SOH Overhang Assessment & Remedi.	\$ 25,000												\$ 25,000
Prop 39 Energy Projects										\$ 542,508			\$ 542,508
Prop BB Closeout (CPM, GJH, SOH)		\$ 20,000											\$ 20,000
Rehabilitation (Managed by Maint. Dept.)											\$ 2,600,000		\$ 2,600,000
Rehabilitation (Managed by Planning Dept.)											\$ 2,075,000		\$ 2,075,000
	\$ 25,000	\$ 20,000			\$ 33,000,000				\$ 4,686,539	\$ 542,508	\$ 4,675,000		\$ 42,949,047
District Administration Centers													
670 L St HVAC & Roof Replacement	\$ 1,800,000									\$ 200,000			\$ 2,000,000
District Site Evaluations (3rd Ave, 5th Ave, L St, Moss St)										\$ 250,000			\$ 250,000
L St. - Athletics (670 Ste. G)										\$ 374,000			\$ 374,000
L St - HVAC 2 (680 Ste. A, B & F)										\$ 174,984			\$ 174,984
IT Network Operations Centers									\$ 110,000				\$ 110,000
	\$ 1,800,000								\$ 110,000	\$ 998,984			\$ 2,908,984
Planning & Operations													
CFD Planning & Operations											\$ 2,083,709		\$ 2,083,709
Fund 40 Construction Legal Services										\$ 850,000			\$ 850,000
Prop O Bond Sale 1 Planning & Operations		\$ 325,728	\$ 5,871,876	\$ 3,545,915					\$ 1,806,000				\$ 11,549,519
Prop O Bond Sale 2 Project Management						\$ 4,800,000							\$ 4,800,000
	\$ 325,728	\$ 5,871,876	\$ 3,545,915	\$ 4,800,000					\$ 1,806,000	\$ 850,000	\$ 2,083,709		\$ 19,283,228
Unassigned													
Bond Sale 1 Contingency				\$ 94,701					\$ 428,181				\$ 522,882
Bond Sale 2 Contingency					\$ 1,782,258	\$ 365,828							\$ 2,148,086
Bond Sale 3 Project Design					\$ 1,000,000								\$ 1,000,000
Fund 35 Contingency									\$ 33,406				\$ 33,406
Fund 40 Contingency Balance										\$ 6,500,000			\$ 6,500,000
			\$ 94,701	\$ 2,782,258	\$ 365,828				\$ 461,587	\$ 6,500,000			\$ 10,204,373
Total Funding for Active Projects	\$ 2,075,000	\$ 12,516,490	\$ 45,393,784	\$ 4,243,142	\$ 62,847,702	\$ 365,828	\$ -	\$ 2,031,000	\$ 39,656,639	\$ 9,351,492	\$ 44,171,784	\$ 147,350,853	\$ 370,003,713
	0.93%	5.60%	20.33%	1.90%	28.14%	0.16%	0.00%	0.91%	17.76%	4.19%	19.78%	0.30%	100.00%

Note: The Middle School 12/High School 14 *Unfunded* amount listed in the *Other Funding* column is not included in the percentages above.



SWEETWATER UNION HIGH SCHOOL DISTRICT
Capital Projects Report
III. CURRENT BUDGET DETAIL MONTHLY REPORT

Site Name/Project Name	Fund 14 Deferred Maintenance	Fund 21 Prop BB	Fund 22 Prop O Bond Sale 1	Fund 22 BS 1 Interest + Misc.	Fund 22 Prop O Bond Sale 2	Fund 22 BS 2 Interest + Misc	Fund 23 Prop O BAN	Fund 25 Capital Facilities Fund	Fund 35 County School Fac. Fund	Fund 40 Special Reserve Fund	Fund 49 Mello-Roos CFD Fund	Other Funding	Current Budget
B. Completed Projects													
BAN Repayment			\$ 4,138,906										\$ 4,138,906
BAN Administrative Costs												\$ 8,776 BanInt	\$ 8,776
Bonita Vista HS HVAC upgrade			\$ 926,455								\$ 343,548		\$ 1,270,003
Bonita Vista HS Bleachers		\$ 309,122											\$ 309,122
Bonita Vista MS Upgrades	\$ 721,779			\$ 336,527							\$ 378,028		\$ 1,436,334
Castle Park HS Title IX Improvements			\$ 1,710,487										\$ 1,710,487
Castle Park HS Title IX									\$ 6,163				\$ 6,163
Castle Park MS Asbestos Abatement	\$ 29,336												\$ 29,336
Castle Park MS ADA Hygiene Room									\$ 358,461				\$ 358,461
CPM: Steven Hawking I Tech Upgrade									\$ 18,739				\$ 18,739
Chula Vista HS ORG Port/Mod/Backstop			\$ 2,019,524										\$ 2,019,524
Chula Vista HS Proj 1			\$ 20,221,888	\$ 315				\$ 8,782,368				\$ 24,551 SDGE	\$ 29,029,122
Chula Vista HS Covered Walkway	\$ 24,550												\$ 24,550
Chula Vista MS Proj 1		\$ 2,242,398	\$ 8,567,138					\$ 850,731					\$ 11,660,267
East Hills Academy								\$ 2,370,400		\$ 1,924,002			\$ 4,294,402
East Hills Academy Phase II								\$ 431,762		\$ 350,953			\$ 782,715
Eastlake HS Amphitheater/Observatory										\$ 2,390,558			\$ 2,390,558
Eastlake HS Artificial Turf for Quad										\$ 246,482			\$ 246,482
Eastlake HS Infill Turf & Senior Lawn										\$ 330,000	\$ 99,685 ASB		\$ 429,685
Eastlake HS Learning Center/Science								\$ 926,368					\$ 926,368
Eastlake HS Marquee & Scoreboards											\$ 137,148 ASB		\$ 137,148
Eastlake HS Roof/HVAC Phase 2 (2015)										\$ 1,387,403			\$ 1,387,403
Eastlake HS Roof/HVAC Phase 3 (2016)										\$ 1,914,512			\$ 1,914,512
Eastlake HS Track & Field								\$ 1,987,003					\$ 1,987,003
Granger Jr HS Health Clinic		\$ 268,129											\$ 268,129
Granger Jr HS Clinic 2		\$ 99,309											\$ 99,309
Fire Alarm Upgrades at Various Sites													
Group 1 - CVM, HTH, MOH			\$ 1,360,194										\$ 1,360,194
Group 2 - CVH, SOM, SUH			\$ 279,021										\$ 279,021
Group 3 - 10 sites			\$ 2,350,967								\$ 211,747		\$ 2,562,714
Group 4 - MVH, SOH			\$ 839,540										\$ 839,540
Hilltop HS Proj 1			\$ 12,177,597						\$ 11,231,450			\$ 397,877 QZAB/SDGE	\$ 23,806,924
Hilltop HS Ramp Replacement	\$ 40,285												\$ 40,285
Hilltop HS Retaining Wall Replacement	\$ 196,442												\$ 196,442
Hilltop MS Fans			\$ 58,847										\$ 58,847
Hilltop MS Science Design				\$ 23,700									\$ 23,700
iPad Initiative				\$ 1,800,000									\$ 1,800,000
Long Range Fac. Master Plan Update			\$ 399,166										\$ 399,166
L St - HVAC (656 & 670 Ste. A & B)										\$ 66,766			\$ 66,766
L St - Access. Improvements (670 & 680)										\$ 75,016			\$ 75,016
MAAC Charter School				\$ 45,314									\$ 45,314
Mar Vista HS Proj 1			\$ 6,807,185					\$ 2,835,832			\$ 4,463 GF		\$ 9,647,480
Mar Vista Title IX								\$ 11,720					\$ 11,720
Mar Vista HS Title IX			\$ 530,435										\$ 530,435
Montgomery HS Proj 1			\$ 24,289,045					\$ 1,258,674			\$ 75,000 SDGE		\$ 25,622,719
Montgomery HS Proj 2						\$ 21,952,778					\$ 1,109,598 QZAB		\$ 23,062,376
Montgomery HS - Gym Struct'l Upgrade			\$ 128,497										\$ 128,497
Montgomery HS Tennis Court Upgrade								\$ 30,664					\$ 30,664



SWEETWATER UNION HIGH SCHOOL DISTRICT
Capital Projects Report
III. CURRENT BUDGET DETAIL MONTHLY REPORT

Site Name/Project Name	Fund 14 Deferred Maintenance	Fund 21 Prop BB	Fund 22 Prop O Bond Sale 1	Fund 22 BS 1 Interest + Misc.	Fund 22 Prop O Bond Sale 2	Fund 22 BS 2 Interest + Misc.	Fund 23 Prop O BAN	Fund 25 Capital Facilities Fund	Fund 35 County School Fac. Fund	Fund 40 Special Reserve Fund	Fund 49 Mello-Roos CFD Fund	Other Funding	Current Budget
Montgomery HS - Title IX			\$ 66,972				\$ 144,315						\$ 211,287
Montgomery MS Canopy Repair	\$ 137,267												\$ 137,267
Montgomery MS Proj 1			\$ 25,142,577										\$ 25,142,577
National City Adult Cisco Lab												\$ 70,558 Ad Ed	\$ 70,558
National City MS Proj 1			\$ 11,438,738						\$ 1,588,448				\$ 13,027,186
National City MS - Proj 2			\$ 1,212,666	\$ 12,684			\$ 13,896,069						\$ 15,121,419
Furniture & Equipment											\$ 107,539		\$ 107,539
Olympian HS (HS 13)									\$ 51,031,236		\$ 73,131,550		\$ 124,162,786
Olympian HS Title IX											\$ 28,403		\$ 28,403
Otay Ranch HS Concession Stand									\$ 64,639				\$ 64,639
Otay Ranch HS Drainage Alterations											\$ 114,368		\$ 114,368
Otay Ranch HS Stadium Light Poles								\$ 349,011					\$ 349,011
Otay Ranch HS Track & Field Replacem't											\$ 1,012,030		\$ 1,012,030
Power Purchase Agreement			\$ 385,484										\$ 385,484
Prop BB Closeout 2011-12		\$ 79,147											\$ 79,147
Prop BB Closeout 2012-13		\$ 32,519											\$ 32,519
Prop BB Closeout 2013-14		\$ 2,094											\$ 2,094
Prop BB Closeout 2014-15		\$ 25,398											\$ 25,398
Rancho Del Rey MS											\$ 1,655		\$ 1,655
Rancho Del Rey MS Fire Hydrant											\$ 80,416		\$ 80,416
Relocatable Classrooms 2014-2015											\$ 2,902,779		\$ 2,902,779
Roof Defects											\$ 284,687		\$ 284,687
San Ysidro HS Roof Rehabilitation											\$ 56,866		\$ 56,866
San Ysidro HS Phase 2 CTE									\$ 500,000		\$ 503,555		\$ 1,003,555
San Ysidro HS Stadium Light Poles								\$ 396,995					\$ 396,995
San Ysidro HS Title IX											\$ 21,638		\$ 21,638
Smartboards - CPH & MVM				\$ 27,042									\$ 27,042
Southwest HS Modernization Project 1			\$ 9,393,706						\$ 9,709,442	\$ 690,000		\$ 560,860 SDGE/QZAB	\$ 20,354,008
Southwest HS - Security Fencing			\$ 14,068										\$ 14,068
Technology Infrastructure				\$ 1,500,000					\$ 1,077,642		\$ 1,038,250		\$ 3,615,892
Various Sites Ceiling Fans			\$ 147,113										\$ 147,113
Total for Completed Projects	\$ 1,149,659	\$ 3,058,116	\$ 134,606,216	\$ 3,745,582	\$ -	\$ -	\$ 35,993,162	\$ 3,659,377	\$ 92,158,371	\$ 831,782	\$ 88,760,969	\$ 2,488,516	\$ 366,451,751

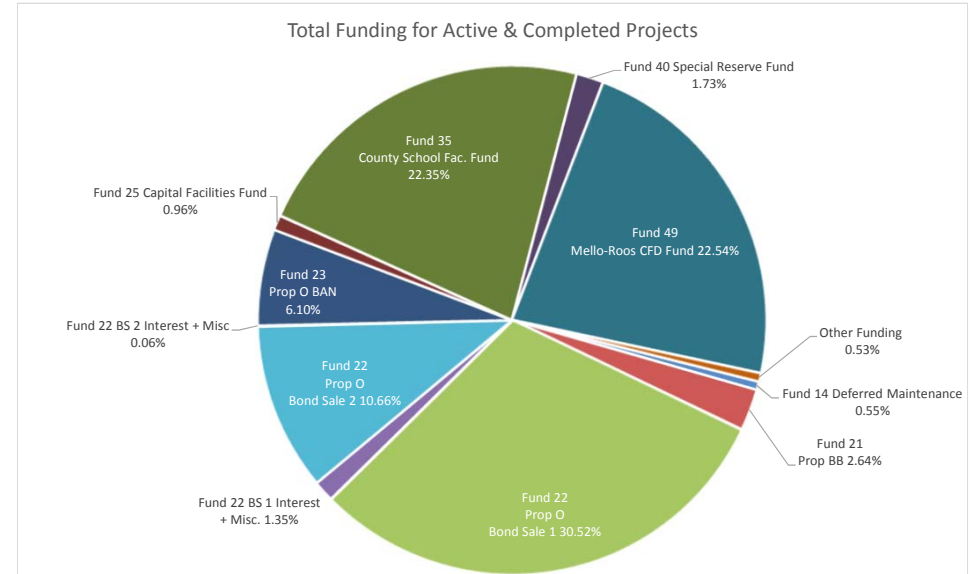
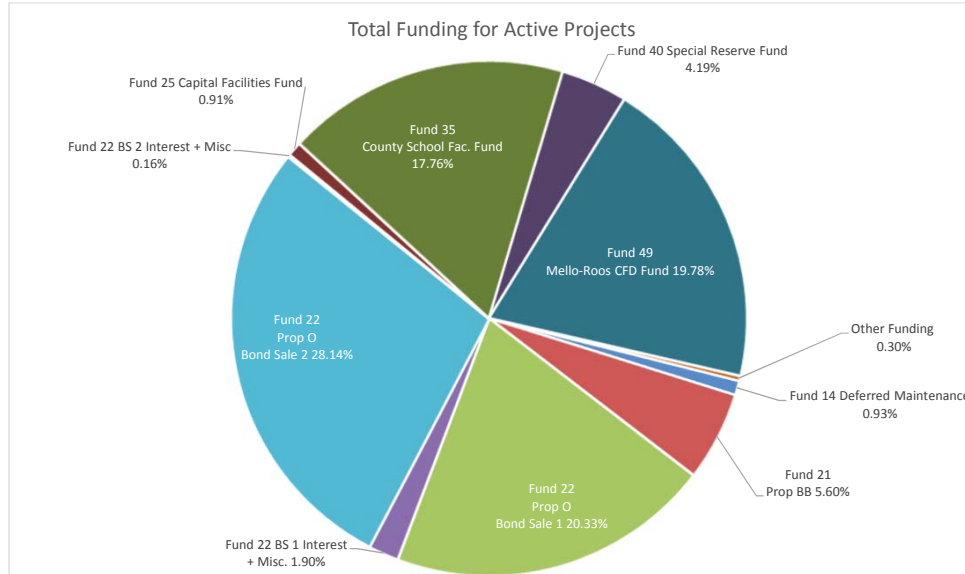


SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

III. CURRENT BUDGET DETAIL MONTHLY REPORT

Site Name/Project Name	Fund 14 Deferred Maintenance	Fund 21 Prop BB	Fund 22 Prop O Bond Sale 1	Fund 22 BS 1 Interest + Misc.	Fund 22 Prop O Bond Sale 2	Fund 22 BS 2 Interest + Misc	Fund 23 Prop O BAN	Fund 25 Capital Facilities Fund	Fund 35 County School Fac. Fund	Fund 40 Special Reserve Fund	Fund 49 Mello-Roos CFD Fund	Other Funding	Current Budget
Total for Active & Completed Projects	\$ 3,224,659	\$ 15,574,606	\$ 180,000,000	\$ 7,988,724	\$ 62,847,702	\$ 365,828	\$ 35,993,162	\$ 5,690,377	\$ 131,815,010	\$ 10,183,274	\$ 132,932,753	\$ 149,839,369	\$ 736,455,464
	0.55%	2.64%	30.52%	1.35%	10.66%	0.06%	6.10%	0.96%	22.35%	1.73%	22.54%	0.53%	100.00%



Note: The Middle School 12/High School 14 *Unfunded* amount listed in the *Other Funding* column is not included in the percentages and charts above.

Glossary of Acronyms and Terms

Section

IV.



Prepared by:
Sweetwater Union High School District
Fiscal Services Department
(619) 691-5550



SWEETWATER UNION HIGH SCHOOL DISTRICT

Capital Projects Report

IV. GLOSSARY OF ACRONYMS AND TERMS

Capital Facilities Fund (Fund 25)

The purpose of the Capital Facilities Fund is to account for the monies our district receives from developer fees. Expenditures within this fund are restricted and may only be used for purposes specified by the California Government Code Sec. 65970-65981.

County School Facilities Fund (Fund 35)

This fund is established pursuant to Education Code Section 17070.43 to receive revenue from the State School Construction program. The fund is used primarily to account for new school facility construction, modernization projects, and facility hardship grants, as provided in the Leroy F. Greene School Facilities Act of 1998 (Education Code Section 17070.10 et seq.).

Current Budget

A quantitative expression of a plan for a defined purpose or project. It may include land costs, construction costs, architectural design, engineer's fees, equipment costs, compensation for professional services, contingency allowance and other similar established or estimated costs.

Deferred Maintenance Fund (Fund 14)

This fund is used to account separately for revenues that are restricted or committed for deferred maintenance purposes (Education Code section 17582). Used when the buildings, systems, and equipment require major repair or replacement such as: floor covering and paving, painting, electrical, heating and air conditioning systems, roofing, plumbing, hazard abatement.

Encumbered Budget

To set aside or reserve all, or a portion, of a budget for payment of future expenses. A budget is encumbered to ensure availability for payment of approved, specified expenses.

Expenditures

The outlay of financial resources.

Mello Roos (CFD) Community Facilities Districts Fund (Fund 49)

Within the communities served by the District, there are 18 Community Facilities Districts. The CFD Fund is to account for all revenue and expenditures relating to the District's CFDs.

Proposition BB (Fund 21)

The November 2000 election authorized the District to issue \$187 million of general obligation debt through Proposition BB. A total principal amount of \$186,999,415.35 was issued through three separate bond series. Proposition BB modernization projects are completed and all but three have been closed out with the State of California Division of State Architect.

Proposition O (Fund 22)

The November 2006 election authorized the District to issue \$644 million of general obligation debt through Proposition O. In March 2008, the district issued the first series of Proposition O bonds (Bond Sale 1) totaling a principal amount of \$180 million. A majority of the modernization projects funded by the first series of Proposition O, are completed or in closeout. In March 2016, the district issued the second series of Proposition O bonds (Bond Sale 2) totaling a principal amount of \$97 million.

Proposition O (BAN) Bond Anticipation Notes (Fund 23)

On March 14, 2013 the District issued \$32,820,000 in Bond Anticipation Notes to fund two modernization projects. The notes were issued under the Proposition O election authorization and in anticipation of the second series of bonds. One of the projects was completed and the other project is in the closeout phase.

Special Reserve Fund for Capital Outlay Projects (Fund 40)

This fund exists primarily to provide for the accumulation of general fund moneys for capital outlay purposes (Education Code Section 42840). This fund may also be used to account for any other revenues specifically for capital projects that are not restricted to other

Unencumbered Budget

The portion of the current budget that has not yet been encumbered.

ADA	Americans with Disabilities Act
BAN	Bond Anticipation Note
CFD	Mello-Roos Community Facilities District
CFPP	Capital Facilities Financing Plan
CTE	Career Technical Education (may refer to a State Funding program administered by OPSC)
DSA	Division of State Architect
HVAC	Heating Ventilating and Air-conditioning
INT	Interest
LRFMP	Long Range Facilities Master Plan
OPSC	Office of Public School Construction
ORG	Overcrowded Relief Grant (a State Funding program administered by OPSC)
ROTC	Reserve Officers' Training Corps
QEIA	Quality Education Investment Act
QZAB	Qualified Zone Academy Bonds



June 26, 2017

Board Item - M.-2.

Issue:

Consultants for Construction Projects.

Superintendent's Recommendation:

Approve/ratify planning and construction consultant agreements and amendments.

Analysis:

The consultant items listed are for various services required on construction projects such as architectural services, testing and inspection, and other project-related work. Staff may bring consultant agreements for approval, amendment, or ratification by the board (per Resolution No. 4440, approved July 25, 2016). Details for each contract and amendment are provided in the attachment.

For questions regarding this board item, please contact Moisés Aguirre at 619/585-6060 or moises.aguirre@sweetwaterschools.org.

Fiscal Impact:

Total expenditure of \$108,475.00.

Expenditure of \$30,900.00, to be paid from the Capital Facilities Fund, Resource Code: 0000, \$4,700.00, from the General Fund, Resource Code: 7230, \$12,470.00, from the General Fund, Resource Code: 0910, \$40,305.00, from Proposition O Bond Sale 1, Resource Code: 0000, and \$20,100.00, from Mello-Roos Funds, Resource Code: 0001.

ATTACHMENTS:

Description	Type
❏ M-2 pg 2- SUMMARY	Backup Material
❏ M-2 Backup	Backup Material
❏ CI - CVH Relocatables - All American Inspection, Inc.	Backup Material

❏	CI - CVH RelocatablesCQAG - CFF	Backup Material
❏	CI - Herrera Ind SW Proposal	Backup Material
❏	CI - Herrera Mun SW Proposal	Backup Material
❏	CI - PAH Culinary Class - Charles Forte Architect	Backup Material
❏	CI - PAH Culinary Class - Chavez & Associates	Backup Material
❏	CI - PAH Science Classroom - Charles Forte Architect	Backup Material
❏	CI - PAH Science Classrooms - Chavez & Associates - BackUp - as	Backup Material
❏	CI - SUH Track & Field - Roesling Nakamura Terada Architects -	Backup Material
❏	CIA - ELH Title IX - BWE, Inc. - BackUp - as	Backup Material

APPROVE or RATIFY NEW CONTRACTS

Action	Project Site & Details	Consultant	Services	Amount	Funding Source [1]	Project Manager	Page
Approve	CVH Relocatables 2017–2018	All American Inspection, Inc.	In-plant DSA Inspection Services	\$6,400.00	Capital Facilities Fund	Trent Carr	1
Approve	CVH Relocatables 2017–2018	Construction Quality Assurance Group, LLC	Inspector of Record Services	\$24,500.00	Capital Facilities Fund	Trent Carr	2
Approve	Annual Comprehensive Site Compliance Evaluation	Herrera Engineering Consultants, Inc.	Municipal Storm Water Permitting Services	\$2,500.00	General Fund	Moises Aguirre	3
Approve	Annual Comprehensive Site Compliance Evaluation	Herrera Engineering Consultants, Inc.	Industrial Storm Water Permitting Services	\$2,200.00	General Fund	Moises Aguirre	4
Approve	PAH Culinary Class	Charles Forte Architect	Architectural Services	\$6,470.00	General Fund	Armando Murillo	5
Approve	PAH Culinary Class	Chavez & Associates, Inc.	Inspector of Record Services	\$6,000.00	General Fund	Armando Murillo	6
Approve	PAH Science Classroom	Charles Forte Architect	Architectural Services	\$4,965.00	Prop O Bond Sale 1	Armando Murillo	7
Approve	PAH Science Classroom	Chavez & Associates, Inc.	Inspector of Record Services	\$6,000.00	Prop O Bond Sale 1	Armando Murillo	8
Approve	SUH Track & Field, Concession Buildings	Roesling Nakamura Terada Architects	Architect	\$29,340.00	Prop O Bond Sale 1	Trent Carr	9

APPROVE or RATIFY CONTRACT AMENDMENTS

Action	Project Site & Details	Consultant	Amd't No.	Services	Amendment Amount/New Total	Funding Source [1]	Project Manager	Page
Ratify	ELH Title IX	BWE, Inc.	2	Structural Engineer	\$20,100.00/ \$60,950.00	Mello-Roos Funds	Larry Moen	10

Note [1]: ASB= ASB Funds; DM= Deferred Maintenance; GF= General Fund; Prop O= Bond program funds; R= expense will be reimbursed; MR= Mello-Roos Funds; CSFF= County Schools Facilities Fund; SRF= Special Reserve Fund; CFF=Capital Facilities Fund (developer fees).

Total expenditure of \$108,475.00.

Expenditure of \$30,900.00, to be paid from the Capital Facilities Fund, Resource Code: 0000, \$4,700.00, from the General Fund, Resource Code: 7230, \$12,470.00, from the General Fund, Resource Code: 0910, \$40,305.00, from Proposition O Bond Sale 1, Resource Code: 0000, and \$20,100.00, from Mello-Roos Funds, Resource Code: 0001.

BACKUP INFORMATION FOR CONSULTANT AGREEMENTS

Site/Dept: Planning/Construction **Originator:** Karl Bradley

Name of Consultant: All American Inspection, Inc.

Category (For Cabinet Secretary Use Only): Facilities and Operations

Starting Date of Services: 06/27/17 **Ending Date:** 07/01/18

(PLEASE CONFINE INFORMATION TO THE SPACE PROVIDED)

Description (nature of services):

Project: Chula Vista High School Relocatables 2017-2018.

Project Manager: Trent Carr.

Approve Contract with All American Inspection, Inc., to perform in-plant Division of the State Architect (DSA) inspection services for Chula Vista High School Relocatables 2017-2018. The scope of work shall be to provide in-plant inspection services relating to four relocatable buildings that will be manufactured at Silver Creek International in Perris, California.

Based upon the scope of work required for services, staff is recommending the following not-to-exceed fees:

Original Fees: \$6,400.00

Total Cost Not-To-Exceed Fees: \$6,400.00

Cabinet Member Responsible: Moisés Aguirre, Asst. Supt./Fac. & Oper.

Funding Source (e.g. Title I): Capital Facilities Fund,

Resource Code: 0000

Total Amount: \$6,400.00 **Annual** **One Time** √ **(√ one only)**

BACKUP INFORMATION FOR CONSULTANT AGREEMENTS

Site/Dept: Planning/Construction **Originator:** Karl Bradley
Name of Consultant: Construction Quality Assurance Group, LLC
Category (For Cabinet Secretary Use Only): Facilities and Operations
Starting Date of Services: 06/27/17 **Ending Date:** 07/01/18

(PLEASE CONFINE INFORMATION TO THE SPACE PROVIDED)

Description (nature of services):

Project: Chula Vista High School Relocatables 2017-2018.

Project Manager: Trent Carr.

Approve Contract with Construction Quality Assurance Group, LLC, to provide Inspector of Record services as required by the Division of the State Architect (DSA). The work includes the DSA inspection of site work for Chula Vista High School Relocatables 2017-2018 Project.

The project includes the construction of the foundations and installation of four 24 foot by 40 foot relocatables, minor interior remodel, install four ramps and landings, stripe new fire lane, and install new Knox-Box Rapid Entry System and Opticom Detection System for fire department access.

Based upon the scope of work required for services, staff is recommending the following not-to-exceed fees:

Original Fees: \$24,500.00

Total Cost Not-To-Exceed Fees: \$24,500.00

Cabinet Member Responsible: Moisés Aguirre, Asst. Supt./Fac. & Oper.
Funding Source (e.g. Title I): Capital Facilities Fund,
Resource Code: 0000

Total Amount: \$24,500.00 **Annual** **One Time** √ **(√ one only)**

BACKUP INFORMATION FOR CONSULTANT AGREEMENTS

Site/Dept: Planning/Construction **Originator:** Moisés Aguirre
Name of Consultant: Herrerea Engineering Consultants, Inc.
Category (For Cabinet Secretary Use Only): Facilities and Operations
Starting Date of Services: 07/01/17 **Ending Date:** 06/30/18

(PLEASE CONFINE INFORMATION TO THE SPACE PROVIDED)

Description (nature of services):

Approve proposal to provide 2017-2018 Industrial Storm Water Permitting Services, consisting of the following:

Annual Comprehensive Facility Compliance Evaluation (ACFCE). Herrerea Engineering Consultants, Inc., (HEC) will conduct an ACFCE of the school bus maintenance facility with district staff. The purpose of the evaluation will be to verify that the district monitoring records are complete and that the best management practices are being properly implemented. The results will be summarized in a report that will be submitted to the district for signature.

Annual Training. On the same day as the ACFCE, HEC will also conduct a training session at the bus maintenance facility for district staff. The purpose of the training will be to fulfill the Industrial General Permit (IGP) annual training requirement by reviewing the Storm Water Pollution Prevention Plan (SWPPP) and monitoring requirements.

Annual Report. HEC will prepare an electronic annual report for district submittal to the State Water Resource Control Board (SWRCB) via the Storm Water Multiple Application and Report Tracking System (SMARTS) by June 30, 2018. The report will be prepared based on visual observation records prepared by the district, the storm water samples collected by the district, and the results from the ACFCE.

Monitoring Assistance. On an ongoing basis, HEC will monitor district progress by collecting storm water samples, review storm water sample analyses, upload data onto the SMARTS website, and provide recommendations regarding potential corrective actions.

Cabinet Member Responsible: Moisés Aguirre, Asst. Supt./Fac. & Oper.
Funding Source (e.g. Title I): General Fund 01, Resource Code: 7230

Total Amount: \$2,500.00 **Annual** **One Time** √ **(√ one only)**

BACKUP INFORMATION FOR CONSULTANT AGREEMENTS

Site/Dept: Planning/Construction **Originator:** Moisés Aguirre
Name of Consultant: Herrerea Engineering Consultants, Inc.
Category (For Cabinet Secretary Use Only): Facilities and Operations
Starting Date of Services: 07/01/17 **Ending Date:** 06/30/18

(PLEASE CONFINE INFORMATION TO THE SPACE PROVIDED)

Description (nature of services):

Approve proposal to provide 2017-2018 Municipal Storm Water Permitting Services, consisting of the following.

Annual Site Visit. The purpose of the visit will be to walk through a district school site (site to be determined), check for illicit non-storm water discharges, document measures taken to prevent storm water pollution, and look for potential pollutant sources. In conjunction with the site visit, Herrerea Engineering Consultants, Inc., (HEC) will also meet with district staff and discuss the status of designation by the Regional Water Quality Control Board (RWQCB) and recommended best management practices (BMPs) for all district sites.

Annual Progress Report. HEC will prepare an annual progress report for the district. The report will summarize discussions with district staff, progress in implementing storm water BMPs, describe district plans for BMP implementation, and include goals for tasks that can be reasonably completed during the current fiscal year.

Cabinet Member Responsible: Moisés Aguirre, Asst. Supt./Fac. & Oper.
Funding Source (e.g. Title I): General Fund 01, Resource Code: 7230

Total Amount: \$2,200.00 **Annual** **One Time** √ **(√ one only)**

BACKUP INFORMATION FOR CONSULTANT AGREEMENTS

Site/Dept: Planning/Construction **Originator:** Karl Bradley
Name of Consultant: Charles Forte Architect
Category (For Cabinet Secretary Use Only): Facilities and Operations
Starting Date of Services: 06/27/17 **Ending Date:** 12/31/18

(PLEASE CONFINE INFORMATION TO THE SPACE PROVIDED)

Description (nature of services):

Project: Palomar High School Culinary Class.

Project Manager: Armando Murillo.

Approve Contract with Charles Forte Architect to perform architectural and engineering design services for the Palomar High School Culinary Class Project.

The scope of work shall be to provide architectural and engineering design services for the renovation of an existing culinary arts classroom. The scope of work includes construction documents, bid assistance, and construction administration.

Based upon the scope of work required for services, staff is recommending the following not-to-exceed fees:

Original Fees: \$6,470.00

Total Cost Not-To-Exceed Fees: \$6,470.00

Cabinet Member Responsible: Moisés Aguirre, Asst.Supt./Fac.& Oper.

Funding Source (e.g. Title I): General Fund,

Resource Code: 0910

Total Amount: \$6,470.00 **Annual** ☐ **One Time** ☒ **(√ one only)**

BACKUP INFORMATION FOR CONSULTANT AGREEMENTS

Site/Dept: Planning/Construction **Originator:** Karl Bradley

Name of Consultant: Chavez & Associates, Inc.

Category (For Cabinet Secretary Use Only): Facilities and Operations

Starting Date of Services: 06/27/17 **Ending Date:** 12/31/18

(PLEASE CONFINE INFORMATION TO THE SPACE PROVIDED)

Description (nature of services):

Project: Palomar High School Culinary Class.

Project Manager: Armando Murillo.

Approve Contract with Chavez & Associates, Inc., to perform Inspector of Record (IOR) services for the Palomar High School Culinary Class Project.

The scope of work will include project inspection, observation, and reporting, as required by the Division of the State Architect (DSA).

Based upon the scope of work required for services, staff is recommending the following not-to-exceed fees:

Original Fees: \$6,000.00

Total Cost Not-To-Exceed Fees: \$6,000.00

Cabinet Member Responsible: Moisés Aguirre, Asst.Supt./Fac.& Oper.

Funding Source (e.g. Title I): General Fund,

Resource Code: 0910

Total Amount: \$6,000.00 **Annual** ☐ **One Time** ☒ **(√ one only)**

BACKUP INFORMATION FOR CONSULTANT AGREEMENTS

Site/Dept: Planning/Construction **Originator:** Karl Bradley

Name of Consultant: Charles Forte Architect

Category (For Cabinet Secretary Use Only): Facilities and Operations

Starting Date of Services: 06/27/17 **Ending Date:** 12/31/18

(PLEASE CONFINE INFORMATION TO THE SPACE PROVIDED)

Description (nature of services):

Project: Palomar High School Science Classroom.

Project Manager: Armando Murillo.

Approve Contract with Charles Forte Architect to perform architectural and engineering design services for the Palomar High School Science Classroom Project.

The scope of work shall provide architectural and engineering design services for the renovation of an existing science and staff meeting room. The scope of work includes construction documents, bid assistance, and construction administration.

Based upon the scope of work required for services, staff is recommending the following not-to-exceed fees:

Original Fees: \$4,965.00

Total Cost Not-To-Exceed Fees: \$4,965.00

Cabinet Member Responsible: Moisés Aguirre, Asst.Supt./Fac.& Oper.

Funding Source (e.g. Title I): Proposition O Bond Sale 1,

Resource Code: 0000

Total Amount: \$4,965.00 **Annual** ☐ **One Time** ☒ **(√ one only)**

BACKUP INFORMATION FOR CONSULTANT AGREEMENTS

Site/Dept: Planning/Construction **Originator:** Karl Bradley

Name of Consultant: Chavez & Associates, Inc.

Category (For Cabinet Secretary Use Only): Facilities and Operations

Starting Date of Services: 06/27/17 **Ending Date:** 12/31/18

(PLEASE CONFINE INFORMATION TO THE SPACE PROVIDED)

Description (nature of services):

Project: Palomar High School Science Classroom.

Project Manager: Armando Murillo.

Approve Contract with Chavez & Associates, Inc., to perform Inspector of Record (IOR) services for the Palomar High School Science Classroom Project.

The scope of work will include project inspection, observation, and reporting, as required by the Division of the State Architect (DSA).

Based upon the scope of work required for services, staff is recommending the following not-to-exceed fees:

Original Fees: \$6,000.00

Total Cost Not-To-Exceed Fees: \$6,000.00

Cabinet Member Responsible: Moisés Aguirre, Asst.Supt./Fac.& Oper.

Funding Source (e.g. Title I): Proposition O Bond Sale 1,

Resource Code: 0000

Total Amount: \$6,000.00 **Annual** **One Time** √ **(√ one only)**

BACKUP INFORMATION FOR CONSULTANT AGREEMENTS

Site/Dept: Planning/Construction **Originator:** Karl Bradley

Name of Consultant: Roesling Nakamura Terada Architects

Category (For Cabinet Secretary Use Only): Facilities and Operations

Starting Date of Services: 06/27/17 **Ending Date:** 07/01/18

(PLEASE CONFINE INFORMATION TO THE SPACE PROVIDED)

Description (nature of services):

Project: Sweetwater High School Track and Field.

Project Manager: Trent Carr.

Approve Contract with Roesling Nakamura Terada Architects to perform architectural services at Sweetwater High School (SUH). The scope of work shall be to provide architectural services for two concession buildings at SUH. The scope of work includes demolition of the storage building next to the existing restrooms, water, sewer and electric tie-ins, concrete paving, and a concrete block structure.

Based upon the scope of work required for services, staff is recommending the following not-to-exceed fees:

Original Fees: \$29,340.00

Total Cost Not-To-Exceed Fees: \$29,340.00

Cabinet Member Responsible: Moisés Aguirre, Asst. Supt./Fac. & Oper.

Funding Source (e.g. Title I): Proposition O Bond Sale 1,

Resource Code: 0000

Total Amount: \$29,340.00 **Annual** **One Time** √ **(√ one only)**

BACKUP INFORMATION FOR CONSULTANT AGREEMENTS

Site/Dept.: Planning/Construction **Originator:** Karl Bradley

Name of Consultant: BWE, Inc.

Category (For Cabinet Secretary Use Only): Facilities and Operations

Starting Date of Services: 06/28/16 **Ending Date:** 12/31/18

(PLEASE CONFINE INFORMATION TO THE SPACE PROVIDED)

Description (nature of services):

Project: Eastlake High School Title IX.

Project Manager: Larry Moen.

Ratify Amendment No. 2 to the Contract with BWE, Inc., to provide consulting engineering services for the Eastlake High School Title IX Project.

The additional scope of work includes civil path-of-travel (POT) verification, construction documents, and added civil engineering scope. The softball team room was constructed without approval from the Division of the State Architect (DSA). For students to continue to occupy the building, an engineer must certify that the building is constructed in conformance with the California Building Code. DSA has added additional civil engineering and survey work since the district entered into the original contract with BWE, Inc.

Based upon the scope of work required for services, staff is recommending the following not-to-exceed fees:

Original Fees:	\$ 38,200.00
Previous Amendments:	\$ 2,650.00
Additional Fees - Amendment No. 2:	\$ 20,100.00
Total Cost Not-To-Exceed Fees:	\$ 60,950.00

The original contract, in the amount of \$38,200.00, was approved by the board of trustees on June 27, 2016, Board Agenda Item M-2.

Cabinet Member Responsible: Moisés Aguirre, Asst.Supt./Fac.& Op

Funding Source (e.g. Title I): Mello-Roos Funds,

Resource Code: 0001

Total Amount: \$20,100.00 **Annual** **One Time** √ **(√ one only)**



2647 Gateway Road, Suite #105-300, Carlsbad, CA 92009 - Ph (760) 683-5200
AllAmericanInspectionInc.com

PROPOSAL ***DSA INSPECTION SERVICES***

June 01, 2017

Sweetwater Union High School District
1130 Fifth Avenue
Chula Vista, CA 91911-2896

Attention: Trent Carr
RE: In-Plant Inspection Proposal
Project: Relocatable Classroom Buildings for Chula Vista High School

I am respectfully submitting my proposal for In-Plant inspection services relating to your relocatable buildings that will be manufactured at Silver Creek International in Perris, CA.

DSA IN-PLANT INSPECTION SERVICE	
PLANT MANUFACTURE: SCI #10958	
<u>No. & Size of Buildings</u>	<u>Inspection Rate</u>
DSA RBIP & CWI Inspection Services 4-24 x 40 Classroom Buildings	\$1,600.00 per building x 4
Total:	\$6,400.00 (not to exceed)

*Any required material testing to be provided by a DSA approved lab.

Respectfully Submitting,

A handwritten signature in blue ink, appearing to read "Stacey Douglas".

Stacey Douglas

Accepted by:

Date: / /

June 8, 2017

Batch Ref#: N/A

Attn: Trent Carr
Planning Project Manager
SWEETWATER UNION HIGH SCHOOL DISTRICT
1130 Fifth Avenue, Chula Vista, CA 91911
Chula Vista, CA 91911

Estimated Construction Duration: 60 WD's
Project Inspector: TBD
DSA Application: **04-116320**

PROJECT: CHULA VISTA HIGH SCHOOL – (4) RELOCATABLE CLASSROOMS
SUBJECT: PROPOSAL FOR DSA INSPECTOR OF RECORD SERVICES

Dear Trent,

This proposal has been generated for your kind review and approval in reference to the subject project(s) noted above. Construction Quality Assurance Group, LLC shall provide the required and/or approved quality assurance (QA) management, inspection and materials testing oversight services. All services shall be performed on a periodic, part-time basis and in accordance with the requirements of CBS, Title 24. Our estimate of services is based on the provided construction schedule and experience of similar type. Please provide our office with any other documents or updated documents that are applicable to the services being provided as they may become available prior to and during construction. In the event an actual *construction schedule*, and/or *approved* set of construction documents (plans and specs) are not provided, services/costs may be affected. A general service *scope of work* breakdown (not limited to) is listed below for your records. Should you have any further questions, or concerns, please feel free to contact me directly at 858.967.5824.

SCHEDULE OF SERVICES

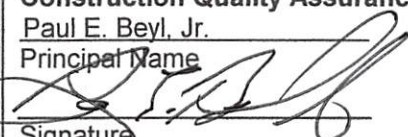
I. Project Inspector:

- 1) Periodic project inspection of all phases of work, as allowed and/or required by Title 24/DSA
- 2) General verification and observation of all construction activities on a part-time/periodic basis
- 3) Scheduling and monitoring of assistant inspectors, test lab, and special inspectors as required
- 4) Organize and maintain project files/logs and review submittals as required for inspection of work
- 5) Assist, maintain and review as-built drawings as required
- 6) Attend meetings as directed by District and A&E-of-Record
- 7) Compile, maintain and distribute all required reporting
- 8) Assist on close-out/punch list as required
- 9) DSA Inspection Card (IC) sign-off system will be implemented as required
- 10) Report typing and distribution to owner, architect, structural engineer, construction manager and DSA of all inspection reports to include project inspector and special inspectors, as required

II. Project Start-Up/Familiarization & Close-out (Included)

- 11) Includes closeout assistance in addition to DSA Inspection Card (IC) sign-off system as required.

NOT-TO-EXCEED ESTIMATE AND UNIT RATE: 280 hours at \$87.50/h.....**\$24,500.00**

PLEASE SIGN AND RETURN TO OUR OFFICES VIA EMAIL OR FAX UPON ACCEPTANCE.			
Construction Quality Assurance Group, LLC. Paul E. Beyl, Jr. Principal Name		SUHSD _____ Client	
 Signature	6/8/17 Date	_____ Signature	_____ Date



Herrera
Engineering
Consultants, Inc.
4650 Carol Lane
Shingle Springs
California, 95682

June 9, 2017

Mr. Moises Aguirre
Assistant Superintendent of Business Services
Sweetwater Union High School District
1130 5th Avenue
Chula Vista, CA 91911

Re: Contract to Provide 2017-18 Industrial Storm Water Permitting Services

Dear Mr. Aguirre:

Thank you for providing Herrera Engineering Consultants, Inc. (HEC) with the opportunity to submit this proposal to provide engineering services to assist your District in complying with the reissued California General Permit for Discharges of Storm Water Associated with Industrial Activities (IGP), which becomes effective on July 1, 2015.

Scope of Services

The proposed services for 2017-18 (July 1, 2017 through June 30, 2018) consist of the following annual support services:

- Annual Comprehensive Facility Compliance Evaluation (ACFCE). HEC will conduct an ACFCE of the school bus maintenance facility together with District staff. The purpose of the evaluation will be to verify that the District monitoring records are complete and that the best management practices are being properly implemented. The results will be summarized in a report that will be submitted to the District for signature.
- Annual Training. On the same day as the ACFCE, HEC will also conduct a training session at the bus maintenance facility for District staff. The purpose of the training will be to fulfill the IGP annual training requirement by reviewing the SWPPP and monitoring requirements.
- Annual Report. HEC will prepare an electronic annual report for District submittal to the SWRCB via the Storm Water Multiple Application and Report Tracking System (SMARTS) by June 30, 2018. The report will be prepared based on visual observation records prepared by the District, the storm water samples collected by the District, and the results from the ACFCE.

Scope of Services (continued)

- Monitoring Assistance. On ongoing basis, HEC will:
 - ✓ Monitor District progress in collecting storm water samples and performing other required monitoring, and advise District when major storm events are anticipated in District vicinity (when sample collection requirements have not yet been met).
 - ✓ Review storm water sample analyses collected by the District to verify that there are no apparent laboratory errors and that the analysis meets the IGP requirements. The storm water sample results will be summarized in a Sample results letter provided to the District.
 - ✓ If the storm water sample analysis are valid, HEC will upload the data onto the SMARTS website as required by the IGP. If there are any questions regarding the report, HEC will first confer with the analytical laboratory and, if needed, request a revised report.
 - ✓ If any of the sample results exceed one or more of the Numeric Action Levels (NALs) specified in the IGP, HEC will confer with the District. If an exceedance has occurred, HEC will provide recommendations regarding potential corrective actions that could be taken by the District.
 - ✓ HEC will assist the District in joining the School Bus Maintenance Facility Compliance Group being formed by HEC. This assistance will include preparation of a SWPPP amendment that will show that the District only has to sample one Qualifying Storm Event every six months (rather than two).

Fee

The proposed lump sum fees to provide the 2017-18 services is \$2,500. The fees include:

- ACFCE and Annual Training: \$1,500.
- Monitoring Assistance: \$500
- 2017-18 Annual Report: \$500

Mr. Moises Aguirre
Page 3
June 9, 2017

The fees cover all labor and expenses, including printing, binding, communication and travel expenses, and other costs attributable explicitly to provide the proposed services. The proposed fees do not include the costs for the following:

- ✓ Annual Permit Fee. The costs related to the annual Permit fee that the District pays directly to the State Water Resources Control Board; and
- ✓ Laboratory Analyses. The costs for laboratory analyses of the District's stormwater samples.

Conclusion

If acceptable, sign below and return signed copy of this letter to me for my records.

Thank you for the opportunity to submit this proposal. If there are any questions, please contact me.

Sincerely,

Stephen D Herrera, P.E.
President

Moises Aguirre
Sweetwater Union High School District

SDH



June 9, 2017

Mr. Moises Aguirre
Assistant Superintendent of Business Services
Sweetwater Union High School District
1130 Fifth Avenue
Chula Vista, CA 91911

Re: Contract to Provide 2017-18 Municipal Storm Water Permitting Services

Dear Mr. Aguirre:

Herrera Engineering Consultants, Inc. (HEC) is submitting a proposal to provide continued engineering services to assist Sweetwater Union High School District (District) with voluntary implementation of requirements specified in the California General Permit for Storm Water Discharges from Small Municipal Storm Sewer Systems (Small MS4 Permit). The current Small MS4 Permit was adopted by the State Water Resources Control Board (SWRCB) on February 5, 2013. Although the District has not yet been formally required to comply with the SMS4 Permit, the California Regional Water Quality Control Board San Diego Region (RWQCB) has provided notice that it is currently considering designation of the District (i.e. requiring mandatory compliance with the Small MS4 Permit).

Scope of Services

The proposed services for 2017-18 (July 1, 2017 through June 30, 2018) consist of the following:

- Annual Site Visit. The purpose of the visit will be to walk through a District site, check for illicit non-storm water discharges, document measures taken to prevent storm water pollution, and look for potential pollutant sources. In conjunction with the site visit, HEC will also meet with District staff and discuss the status of designation by the RWQCB and recommended best management practices (BMPs) for all District sites.
- Annual Progress Report. HEC will prepare an annual progress report for the District. The report will summarize discussions with District staff, progress in implementing stormwater BMPs, describe District plans for BMP implementation, and include goals for tasks that can be reasonably completed during the current fiscal year.

Mr. Moises Aguirre
Page 2
June 9, 2017

Fee

The lump sum fee to provide these services is the same as for last year, \$2,200. This fee is based on the assumption that the District is not "designated" during 2017-18. If the District is designated, additional services may be required.

Conclusion

If acceptable, sign below and return signed copy of this letter to me for my records.

If you have any questions regarding the proposal, please contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Stephen D. Herrera".

Stephen D Herrera, P.E.
President

Moises Aguirre
Sweetwater Union High School District

SDH

cc Ronald Malone, Sweetwater UHSD

Charles Forte Architect

Charles Forte Architect
3065 Rosecrans Place Suite 210C
San Diego CA. 92110
Phone (619) 297-7600
Cell (619) 200-1149
forte@cfarchitect.com

June 8, 2017

Sweetwater Union High School District
1130 Fifth Avenue
Chula Vista, CA 92672

Attn: Armando Murillo

Subject: Architectural and Engineering Design Services for a Culinary Arts Room Renovation at Palomar High School .

Dear Armando

Thank you for this opportunity to work with your District on the Palomar High School Culinary Arts Room in Chula Vista, CA. I am pleased to submit my fee proposal for the work described below:

I. AGREEMENT;

This agreement (hereinafter "Agreement") is entered into by and between Sweetwater Union High School District hereinafter referred to as "Client" and Charles Forte Architect, hereinafter referred to as "CFA".

II. SCOPE OF WORK:

The scope of work is for Architectural and Engineering Design Services for the renovation of an existing Culinary Arts Room for Palomar High School. Charles Forte Architect shall be the Architect of Record.

III. SCOPE OF SERVICES:

Charles Forte Architect (CFA) will provide Architectural Services for the aforementioned project as follows:

A. Basic Services:

1. 90 % Construction Documents

- Architectural Design Documents; Documents shall include title and note sheets, floor plan, reflected ceiling plan, interior elevations, interior finish schedule and details.

- Mechanical, Plumbing and Electrical Design Documents; Documents will include floor plans, equipment schedule and details
- Prepare Specifications - CSI format, Architectural Divisions 3 through 13.
- All architectural documents will be stamped and signed with a current architectural license from the State of California.
- CFA is responsible for coordinating all work with the client and his engineering consultants.

2. 100 % Construction Documents

- Complete construction documents based on client comments.

3. Bid Assistance

- Attend site walk during bidding of contract documents and provide meeting notes.
- Provide addendum(s) based on contractor questions and design changes

4. Construction Administration

- Respond to contractor questions (RFI's)
- Review Change Order Requests
- Review Shop Drawings
- Attend site meetings with contractor

B. Exclusions:

The following are design services that are excluded from our basic services listed above. These services may be provided by written request and billed as additional services. See attachment for billing rates and general terms.

- Civil, Structural, Communication, Fire Alarm and Fire Sprinkler Engineering construction documents and specifications.
- Landscape Architect construction documents and specifications
- Mechanical and Electrical Title 24 calculations
- Mechanical HVAC System
- Site Survey
- Cost estimate
- Submit plans to the Division of the State Architect for permit.
- Coordination with local power, telephone, cable and internet provider.
- Geotechnical / Soils Engineering (soils studies, percolations studies, etc.)

IV. COMPENSATION:

A. Basic Services:

The basic fixed fee for architectural, mechanical, plumbing and electrical services for the Culinary Arts Room is \$5,970. The fee is broken down as follow;

<u>Phase</u>	<u>Fee Billed</u>
90% Construction Documents	\$ 3,950
100% Bid Construction Documents	\$ 800
Bid Assistance	\$ 200
Construction Administration	\$ 1,020
	\$ 5,970

V. TERMS AND CONDITIONS:

1. Reproduction, blueprinting, fees and other non-labor direct costs are billed at cost.
2. Billing invoices will be prepared once a month for work in progress unless otherwise agreed. Invoices are to be paid upon presentation to Charles Forte Architect, 3065 Rosecrans Place, Suite 210C, San Diego, California, 92110.
3. Payment of CFA (Charles Forte Architects) invoices for services performed will not be contingent upon the client's receipt of payment from other parties. Client agrees to pay any legal costs, including attorney's fees incurred by CFA in collecting any amounts past due and owing on client's account.
4. Reimbursable expenses shall not exceed \$500.00

VI. TERMINATION:

1. Client may terminate this agreement for its convenience. Consultant will be provided fourteen (14) days written notice in the event of termination for convenience by Client. In such event, CFA shall be compensated for all reasonable services competently performed up to the date of termination. CFA is not entitled to compensation for services not performed.
2. CFA may terminate this Agreement for convenience by providing Client with fourteen (14) days written notice. In such event, CFA shall be compensated for all reasonable services competently performed up to the date of termination. CFA is not entitled to compensation for services not performed.

VII. REIMBURSABLE EXPENSE:

Reimbursable expenses are costs incurred by the Designer in the interest of the project and will be billed at cost.

Reimbursable expenses shall be submitted by CFA to the Client, on a monthly basis for review, approval and payment.

Reimbursable expenses include, but are not limited to, the following items:

- Printing and reproduction
- Messenger and delivery services
- Costs of licenses, permits, fees or other approval costs.

VIII. AMENDMENT:

1. This Agreement cannot be modified, changed or revised, except by written amendment executed by both parties.

IV. SCOPE OF AGREEMENT:

1. This is the entire agreement between the parties and there are no conditions, agreements or representations between the parties except as expressed herein.
2. This agreement shall be deemed effective as of June 8, 2017. The signatures below indicate the parties' acceptance of this agreement.

Armando Murillo
SUHSD


Chuck Forte
Charles Forte Architect

6-8-17



Quality Construction Begins with Our Inspections

To: Armando Murillo – SUHSD Planning Project Manager

Subject: **Proposal for Palomar High School – Culinary Class Remodel**

This proposal has been based on an estimated construction time of 20 days. This is only an estimate and can change due to the contractor's actual construction schedule and is based on straight time rate as noted.

Reporting Time and Minimum Pay:

2 hours shall be charged when any inspector shows up for work and is either rained out, contractors do not show up on the job or any other unforeseen reasons. Also a 2 hour minimum charge will be applied for any work performed. After the 2 hours has been exceeded time will be based on a per hour time, with no additional hours added. There are no four hour minimums, rounding up plus an additional hour, travel time or expenses proposed for this project.

Holidays:

The following days shall be recognized as holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans Day (November 11), Thanksgiving Day, Day after Thanksgiving Day, Christmas Day, and the first Saturday following the first Friday in the months of June and December each year. If any of the above holidays fall on a Sunday, the Monday following shall be considered a holiday.

Additional Costs required:

No additional costs foreseen at this time. DSA Project Inspector will be on site inspector as needed.

This cost covers the project inspector. This does not cover materials testing or sampling unless it is specifically approved for the on site inspector to perform by the materials testing lab and DSE. This is a requirement by DSA for all testing and all sampling, even for DSA masonry sampling. If agreed upon by the DSE and the LEA approved testing lab, the certified on site DSA Project Inspector can take any samples specifically approved.



Quality Construction Begins with Our Inspections

Estimated project duration: 80 estimated hours of inspection time during construction.
This is an estimated not to exceed amount based on 20 working days.

Total estimated amount \$ 6,000.00
This is at a rate of \$75/hr straight time

If you have any questions or concerns feel free to contact me at (760) 644-0304 or
chvz1@yahoo.com

Respectfully submitted,

A handwritten signature in black ink that reads "Carlos Chavez". The signature is written in a cursive style and is underlined with a single horizontal line.

Carlos Chavez, RCI
DSA Class 1 Project Inspector
06-13-2017

Charles Forte Architect

Charles Forte Architect
3065 Rosecrans Place Suite 210C
San Diego CA. 92110
Phone (619) 297-7600
Cell (619) 200-1149
forte@cfarchitect.com

June 8, 2017

Sweetwater Union High School District
1130 Fifth Avenue
Chula Vista, CA 92672

Attn: Armando Murillo

Subject: Architectural and Engineering Design Services for a Science and Staff Meeting Room Renovation at Palomar High School .

Dear Armando

Thank you for this opportunity to work with your District on the Palomar High School Science and Staff Meeting Room in Chula Vista, CA. I am pleased to submit my fee proposal for the work described below:

I. AGREEMENT;

This agreement (hereinafter "Agreement") is entered into by and between Sweetwater Union High School District hereinafter referred to as "Client" and Charles Forte Architect, hereinafter referred to as "CFA".

II. SCOPE OF WORK:

The scope of work is for Architectural and Engineering Design Services for the renovation of an existing Science and Staff Meeting Room for Palomar High School. Charles Forte Architect shall be the Architect of Record.

III. SCOPE OF SERVICES:

Charles Forte Architect (CFA) will provide Architectural Services for the aforementioned project as follows:

A. Basic Services:

1. 90 % Construction Documents

- Architectural Design Documents; Documents shall include title and note sheets, floor plan, reflected ceiling plan, interior elevations, interior finish schedule and details.

- Mechanical, Plumbing and Electrical Design Documents; Documents will include floor plans, equipment schedule and details
- Prepare Specifications - CSI format, Architectural Divisions 3 through 13.
- All architectural documents will be stamped and signed with a current architectural license from the State of California.
- CFA is responsible for coordinating all work with the client and his engineering consultants.

2. 100 % Construction Documents

- Complete construction documents based on client comments.

3. Bid Assistance

- Attend site walk during bidding of contract documents and provide meeting notes.
- Provide addendum(s) based on contractor questions and design changes

4. Construction Administration

- Respond to contractor questions (RFI's)
- Review Change Order Requests
- Review Shop Drawings
- Attend site meetings with contractor

B. Exclusions:

The following are design services that are excluded from our basic services listed above. These services may be provided by written request and billed as additional services. See attachment for billing rates and general terms.

- Civil, Structural, Communication, Fire Alarm and Fire Sprinkler Engineering construction documents and specifications.
- Landscape Architect construction documents and specifications
- Mechanical and Electrical Title 24 calculations
- Mechanical HVAC System
- Site Survey
- Cost estimate
- Submit plans to the Division of the State Architect for permit.
- Coordination with local power, telephone, cable and internet provider.
- Geotechnical / Soils Engineering (soils studies, percolations studies, etc.)

IV. COMPENSATION:

A. Basic Services:

The basic fixed fee for architectural, mechanical, plumbing and electrical services for the Science and Staff Meeting Room is \$4,465. The fee is broken down as follow;

<u>Phase</u>	<u>Fee Billed</u>
90% Construction Documents	\$ 2,925
100% Bid Construction Documents	\$ 400
Bid Assistance	\$ 100
Construction Administration	\$ 840
	\$ 4,465

V. TERMS AND CONDITIONS:

1. Reproduction, blueprinting, fees and other non-labor direct costs are billed at cost.
2. Billing invoices will be prepared once a month for work in progress unless otherwise agreed. Invoices are to be paid upon presentation to Charles Forte Architect, 3065 Rosecrans Place, Suite 210C, San Diego, California, 92110.
3. Payment of CFA (Charles Forte Architects) invoices for services performed will not be contingent upon the client's receipt of payment from other parties. Client agrees to pay any legal costs, including attorney's fees incurred by CFA in collecting any amounts past due and owing on client's account.
4. Reimbursable expenses shall not exceed \$500.00

VI. TERMINATION:

1. Client may terminate this agreement for its convenience. Consultant will be provided fourteen (14) days written notice in the event of termination for convenience by Client. In such event, CFA shall be compensated for all reasonable services competently performed up to the date of termination. CFA is not entitled to compensation for services not performed.
2. CFA may terminate this Agreement for convenience by providing Client with fourteen (14) days written notice. In such event, CFA shall be compensated for all reasonable services competently performed up to the date of termination. CFA is not entitled to compensation for services not performed.

VII. REIMBURSABLE EXPENSE:

Reimbursable expenses are costs incurred by the Designer in the interest of the project and will be billed at cost.

Reimbursable expenses shall be submitted by CFA to the Client, on a monthly basis for review, approval and payment.

Reimbursable expenses include, but are not limited to, the following items:

- Printing and reproduction
- Messenger and delivery services
- Costs of licenses, permits, fees or other approval costs.

VIII. AMENDMENT:

1. This Agreement cannot be modified, changed or revised, except by written amendment executed by both parties.

IV. SCOPE OF AGREEMENT:

1. This is the entire agreement between the parties and there are no conditions, agreements or representations between the parties except as expressed herein.
2. This agreement shall be deemed effective as of June 8, 2017. The signatures below indicate the parties' acceptance of this agreement.

Armando Murillo
SUHSD

  6-8-17
Chuck Forte
Charles Forte Architect



Quality Construction Begins with Our Inspections

To: Armando Murillo – SUHSD Planning Project Manager

Subject: **Proposal for Palomar High School – Science Class Remodel**

This proposal has been based on an estimated construction time of 20 days. This is only an estimate and can change due to the contractor's actual construction schedule and is based on straight time rate as noted.

Reporting Time and Minimum Pay:

2 hours shall be charged when any inspector shows up for work and is either rained out, contractors do not show up on the job or any other unforeseen reasons. Also a 2 hour minimum charge will be applied for any work performed. After the 2 hours has been exceeded time will be based on a per hour time, with no additional hours added. There are no four hour minimums, rounding up plus an additional hour, travel time or expenses proposed for this project.

Holidays:

The following days shall be recognized as holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans Day (November 11), Thanksgiving Day, Day after Thanksgiving Day, Christmas Day, and the first Saturday following the first Friday in the months of June and December each year. If any of the above holidays fall on a Sunday, the Monday following shall be considered a holiday.

Additional Costs required:

No additional costs foreseen at this time. DSA Project Inspector will be on site inspector as needed.

This cost covers the project inspector. This does not cover materials testing or sampling unless it is specifically approved for the on site inspector to perform by the materials testing lab and DSE. This is a requirement by DSA for all testing and all sampling, even for DSA masonry sampling. If agreed upon by the DSE and the LEA approved testing lab, the certified on site DSA Project Inspector can take any samples specifically approved.



Quality Construction Begins with Our Inspections

Estimated project duration: 80 estimated hours of inspection time during construction.
This is an estimated not to exceed amount based on 20 working days.

Total estimated amount \$ 6,000.00
This is at a rate of \$75/hr straight time

If you have any questions or concerns feel free to contact me at (760) 644-0304 or
chvz1@yahoo.com

Respectfully submitted,

A handwritten signature in black ink that reads "Carlos Chavez". The signature is written in a cursive, flowing style and is underlined with a single horizontal line.

Carlos Chavez, RCI
DSA Class 1 Project Inspector
06-01-2017



Roesling Nakamura Terada Architects
www.rntarchitects.com
363 Fifth Ave | Ste 202 | San Diego CA 92101 | P 619.233.1023 | F 619.233.0016

Ralph Roesling
Kotaro Nakamura
Mun Ying Kung
Chikako Terada
Joe Mansfield
Rommel Olaus
Raul Diaz

May 24, 2017

Mr. Trent Carr
Planning Project Manager
SWEETWATER UNION HIGH SCHOOL DISTRICT
1130 Fifth Ave
Chula Vista, CA 91911

Re: Concessions Building Additions at Sweetwater Union High School Stadium

Subject: Fee Proposal

Dear Trent:

Thank you for the opportunity to submit this proposal for the Concessions Building Additions at Sweetwater Union High School (SUHI) Stadium project. We understand the scope of work includes the addition of two standalone concessions buildings, for both the Home and Visitor sides of the existing stadium. The buildings will be less than 250 square feet, and exempt from Division of the State Architect (DSA) Structural review per IR A-22. The project will be reviewed by DSA for Accessibility only. We understand the Scope of Work includes the following:

- Construction of a new concessions building, adjacent to the existing restrooms on the Home side of the stadium.
- Construction of a new concessions building on the Visitor side of the stadium, at the same approximate location as the previous concessions building.
- Sitework associated with the building additions. This includes:
 - Demolition of storage garage adjacent to west side restroom building.
 - Demolition of flatwork.
 - Water, sewer and electrical utility tie-ins.
 - Flatwork improvements of either concrete or asphalt paving.

For concessions building we anticipate a construction budget of approximately \$255,000 (See Attachment A).

Concessions Additions at SUHI
May 24, 2017
Page 1

The A/E Design services include:

1. Project scoping meetings to verify program and scope.
2. Preparation of Construction Documents (plans & specifications) for the scope of work described above.
3. Bid Assistance, including pre-bid meeting attendance, answering Bid RFI's and preparation of Addenda as required.
4. Construction Administration assistance, including submittal reviews, RFI responses and clarifications.
5. Project Closeout.

The proposed design fees, based on the anticipated construction cost are as follows:

Design Fees (Based State Guidelines)	Construction Value	Fee Percentage	Fee
New Buildings	\$147,000	9.00%	\$16,380
Sitework	\$108,000	12.00%	\$12,960
Total Fee			\$29,340

Assumptions:

- All existing necessary utilities, including electrical are in the immediate facility and will not require significant extension of infrastructure.
- Buildings will include natural ventilation only, and do not include heating or air-conditioning.

Exclusions:

- Topographic Survey
- Geotechnical Report
- DSA plan review fees
- Accessibility Upgrades to other SUHI Campus Buildings.

If you have any questions, please give me a call, and thank you for considering RNT for this project.

Sincerely,



Joe Mansfield, Principal
ROESLING NAKAMURA TERADA ARCHITECTS

CC: Chikako Terada, RNT

Concessions Building Additions At Sweetwater Union High School Stadium

Sweetwater Union High School

Cost Estimate	Quantity	Unit	Unit Cost	Total
Home Concessions Building	245	SF	\$300	\$73,500
Visitor's Concessions Building	245	SF	\$300	\$73,500
New Buildings Total				\$147,000
<i>Home Concessions Sitework</i>				
Demolition	1	LS	\$8,000	\$8,000
Water & Sewer Utilities	1	LS	\$10,000	\$10,000
Electrical	1	LS	\$30,000	\$30,000
Flatwork	1	LS	\$15,000	\$15,000
<i>Visitor's Concessions Sitework</i>				
Demolition	1	LS	\$5,000	\$5,000
Water & Sewer Utilities	1	LS	\$15,000	\$15,000
Electrical	1	LS	\$15,000	\$15,000
Flatwork	1	LS	\$10,000	\$10,000
Sitework Total				\$108,000
Grand Total				\$255,000



DATE: June 2, 2017

PROJECT: ELH - Title IX
Eastlake High School, 1120 Eastlake Parkway, Chula Vista, CA

RFP Memo: Engineering Proposal -- Added Service from Original Contract per
DSA Requirements

TO: Larry Moen, Sweetwater Union High School District

Scope of Additional Services (with explanation):

All fees noted should be added to the original contract as "not-to-exceed" (time & materials).
Original contract, time & materials not-to-exceed = \$38,200 (*additional electrical scope and fee
is summarized under separate cover*)

1. Civil path-of-travel (POT) verification \$5,000
 - This was defined in the original contract under "Exhibit B" and was specific to the path of travel identified under the land surveying proposal ("Exhibit A").
 2. Construction documents \$10,000
 - This was defined in the original contract under "Exhibit B" for approximately 1000 linear feet of pathway, which was also specific to the POT identified from the surveying proposal. Please see attached "Exhibit C".
 3. Added civil scope \$5,100
 - However, this additional fee includes expansion of the original scope of work. A portion of the originally intended POT (towards the east) revealed deficiencies that would be more costly to repair. At that point, the District provided alternative documentation to justify a different POT (towards the north), which results in an increase of the original scope of work. Please see attached "Exhibit C".
 4. ~~Construction administration (civil, option) \$500~~
 - Please see attached "Exhibit C", which was also summarized under the original contract.
 5. ~~Record documents and close out (civil, option) \$800~~
 - Please see attached "Exhibit C", which was also summarized under the original contract.
- Total \$21,400

\$20,100.00

Please contact me if you have any questions.

Respectfully,

A handwritten signature in blue ink, appearing to read 'Dave', followed by a long horizontal stroke.

Dave K. Adams, S.E. 4226
Principal Associate

EXHIBIT "C"
Sweetwater Union High School District - Eastlake High School
Additional Civil Engineering Scope of Work and Fee

Original \$10,000 NTE fee

Construction Documents:

1. Prepare a combined demolition, grading and drainage plans for an approximate 1000 linear foot ADA path of travel from the storage/office building at the baseball field site.
 - a. Plans will include grading of the site to accommodate ADA compliant paths, curb ramps, and crosswalks where existing conditions do not comply with current ADA requirements. Review and confirmation of ADA compliant paths beyond the scope described herein is not included in the fee.
2. Review and respond to DSA comments.
3. Prepare Civil related specifications, as needed.
4. Review compliance of existing path of travel per DSA reviewer requirements by means of one (1) site visit and photographs (beyond 1000 LF).
5. Compare record plans provided to existing field conditions and indicated items not currently in ADA compliance per DSA reviewer comments.
6. Prepare letter for DSA describing the conditions of the existing Path Of Travel (POT).
7. Two (2) meetings with DSA if required.
8. Draft sections of existing ramp outside of POT as requested by DSA reviewer.
9. Redesign sidewalk to minimize concrete removal inside existing batting cages.
10. Assist prime consultant with overall campus POT DSA reviewer comments.
11. Respond to DSA comments for additional POT.

Estimated Construction Documents Fee (Time & Materials Not to Exceed): \$15,100

Construction Administration (Optional):

1. Review and respond to RFIs and submittals during construction.

Added scope: \$5,100 NTE

Construction Administration Fee: \$500

Record Documents and Close-out (Optional):

1. Prepare as-built drawings per contractor provided red-lines.

Record Documents and Close-out fee: \$800

Civil Engineering Assumptions:

1. Plan check and permitting fees shall be paid by others and are not included in this fee
2. DSA processing & plan packaging/submittals will be prepared by others.
3. The project will not create, add, or replace more than 5000 square feet of impervious surface, and will not require stormwater treatment/management design.
4. A drainage study is not included in this fee.
5. A stormwater quality management plan (SWQMP) or equivalent is not included in this fee.
6. Erosion control plans are not included in this fee.
7. A public improvement plan or encroachment plan for work in the Right-Of-Way or public easements is not included in this fee.
8. The soil disturbance will be less than 1 acre, and this project will not require a SWPPP.
9. Pavement sections will be provided by the geotechnical engineer or extracted from regional standards.
10. Wet utility relocations, removals, or design is not included in this fee.
11. Dry utility relocations, removals, or design is not included in this fee.
12. The owner will provide a geotechnical report (if required).
13. Retaining wall design is not included in this fee.
14. Traffic control plans are not included in this fee



June 26, 2017

Board Item - M.-3.

Issue:

District-Wide HVAC (Heating, Ventilation, and Air Conditioning) Project Phase 2, 30 percent Guaranteed Maximum Price.

Superintendent's Recommendation:

Adopt the Guaranteed Maximum Price (GMP) 30 percent estimate for the District-Wide HVAC (Heating, Ventilation, and Air Conditioning) Project Phase 2.

Analysis:

Staff requests adoption of the GMP 30 percent estimate for the District-Wide HVAC Project Phase 2.

Project Manager: Janea Quirk.

The total project value is \$37 million. The following outlines the project values to date by phase, including soft costs (inspections, hazmat monitoring, commissioning, etc.):

Phase 2 Estimate:	\$12,302,304
Phase 1 GMP:	<u>\$22,951,712</u>
Sub Total:	\$35,254,016
Soft Cost Budget:	<u>\$ 1,500,000</u>
Projected Project Value:	\$36,754,016

Phase 2 includes the installation of 80 HVAC units at the following sites: Bonita Vista High School, Bonita Vista Middle School, Castle Park Middle School, Chula Vista Middle School, Eastlake High School, Granger Jr. High School, Hilltop High School, National City Middle School, Rancho Del Rey Middle School, Southwest High School, and Southwest Middle School. Design efforts are on-going, and plans will be submitted to the Division of the State Architect (DSA), with construction anticipated to begin in September 2017, through December 2017.

Phase 1 - under construction. Includes the installation of 180 HVAC units at the following sites: Sweetwater High School, Chula Vista High School, Castle Park High

School, Hilltop Middle School, Mar Vista Academy, and Mar Vista High School. All improved classrooms and administration buildings should be ready for occupancy on July 17, 2017.

For questions regarding this board item, please contact Moisés Aguirre at 619/585-6060 or moises.aguirre@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
 M-3 - Adopt 30% Est GMP HVAC Phase 2	Backup Material

SUHSD HVAC DB

SD/Chula Vista/ Imperial Beach/National City

C. W. DRIVER

30% DD ESTIMATE SUMMARY SEQUENCE 2

May 5, 2016

Seq	Description	Notes	Total Sequence 2
1	General Requirements		941,652
2	Hazardous Material Abatement		393,866
3	Demolition		204,049
4	Concrete and Reinforcing	Not Req'd	0
5	Metal Fabrications		69,000
6	Rough Carpentry		565,066
7	Membrane Roofing		360,996
8	Flashing & Sheet Metal		112,000
9	Plaster	Not Req'd	0
10	Gypsum Board	In Acoustical Ceilings	0
11	Acoustical Ceilings		353,207
12	Painting & Coating		175,365
13	Plumbing		445,706
14	HVAC		1,444,721
15	HVAC Controls (for new HVAC work only)		456,990
16	Electrical		866,664
17	Earthwork	Not Req'd	0
18	Asphalt Paving Patching	In Elec	0
19	Site Concrete Patching	In Elec	0
20	Chain Link Fences & Gates	In GRs	0
21	Landscape & Irrigation	Not Req'd	0
22	Site Utilities	In Elec and Plumb	0
23	Site Plumbing/ Gas		165,000
24	Site Electrical Utilities		325,000
25	Window Coverings		96,480
26	Overtime Allowance		240,000
27	Unforeseen Conditions Below Grade Allowance	In Owner Contingency	0
28	Concealed Conditions in Ceilings Allowance	In Owner Contingency	0
29	Misc Trade Damage Allowance	In Contractor Contingency	0
30	Design Contingency Allowance		275,000
31	Temporary Roofing Allowance		20,326
****End Of Summary - Do Not Erase****			
SUBTOTAL			7,511,089
32	A & E Fees (includes A,S,M,E,P)	5.50%	695,700
33	Preconstruction		172,500
34	General Conditions		1,092,452
35	SDGE & City Fees		250,000
36	DSA Fees (1%) + DSA CO (0.25%)	1.25%	121,522

SUHSD HVAC DB**SD/Chula Vista/ Imperial Beach/National City****C. W. DRIVER****30% DD ESTIMATE SUMMARY SEQUENCE 2****May 5, 2016**

Seq	Description	Notes	Total Sequence 2
37	Contingency (10% District)	10.00%	984,326
38	Contingency (5% Contractor)	5.00%	492,163
38	Escalation	0.00%	0
39	Sub Bonds/Subguard	1.25%	112,345
40	Builder's Risk	0.24%	27,437
41	Liability Insurance	0.91%	104,282
42	Overhead & Fee	5.50%	636,010
43	Prime Bond	0.84%	102,479
Total Estimate			12,302,304



June 26, 2017

Board Item - M.-4.

Issue:

Progress report on the audit observations and recommendations for the Proposition O Performance Audit.

Superintendent's Recommendation:

Accept district's progress report on the audit observations and recommendations for the Proposition O Performance Audit for the fiscal year ending June 30, 2016.

Analysis:

On March 28, 2017, the board of trustees accepted the Proposition O Performance Audit for the fiscal year ending June 30, 2016. The audit highlighted a number of positive changes to the district's bond program, and included a schedule of the audit observations and management's responses with planned resolution dates.

District staff formed an internal working group to address the audit observations. The working group includes staff from the office of the assistant superintendent of facilities and operations, planning and construction department, district architect, maintenance department, purchasing department and fiscal services division. The attached documents provide progress updates made towards addressing all audit observations.

For questions regarding this board item, please contact Moisés Aguirre at 619/585-6060 or moises.aguirre@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
 M-4 Audit Response Update	Backup Material

📎	M-4 Backup Cash Flow	Backup Material
📎	M-4 PMP v172006	Backup Material
📎	M-4 Backup Master Plan Process Flow Chart	Backup Material



District Response to Proposition O Performance Audit

Fiscal Year Ended June 30, 2016

Internal Updates as of 6/19/2017.

March 17, 2017

Following is a schedule of the audit observations and management’s responses for the performance audit completed for the fiscal year ended June 30, 2016 and the quarterly follow up progress.

No.	Category	Issue	Auditor’s Recommendation	Management Response	Planned Resolution Date	Audit Follow Up Quarter 1 Progress (January – March 2017)	Audit Follow Up Quarter 2 Progress (April – June 2017)
Objective 1	Compliance with Ballot Language	1A. Non-compliant expenditures funded by Fund 35, were recorded in the Proposition O’s accounting fund.	The District should only record allowable expenditures within Proposition O’s expenditure fund. Non-compliant expenditures should be removed from Proposition O’s accounting fund and expenditure population.	This practice is no longer used for new projects (Bond Sale 2). The District’s Accounting System does not allow a purchase order to be funded by more than one accounting fund. As a result, the District’s historic accounting practice has been to transfer all funding sources for Bond Projects into the Bond accounting fund (i.e. as offsetting revenues) and track all project expenditures within that fund.	In practice since March 2016.	Complete. No follow up needed.	Complete.
		1B. District Labor Charges.	The District should continue the processes and controls needed to provide supporting documentation to validate that the applicability and accuracy of labor charged to Proposition O for a whole fiscal year. Specifically, the time tracking system should ensure that all costs incurred are identifiable and have a beneficial relationship to the Bond Program and cost objectives.	During FY 2015-16, the District implemented a new time certification process for all staff funded by Proposition O. “Time Certification Reports” were used to validate the applicability and accuracy of labor charged to Proposition O. Fiscal Year 2016-2017, will be the first full year with the implementation of this process.	In practice for Management staff since October 2015. In practice for represented staff since entering into a side letter in February 2016.	Complete. No follow up needed.	Complete.

Sweetwater Union High School District
Proposition O Performance Audit Report – Fiscal Year Ended June 30, 2016
Managements Responses

No.	Category	Issue	Auditor's Recommendation	Management Response	Planned Resolution Date	Audit Follow Up Quarter 1 Progress (January – March 2017)	Audit Follow Up Quarter 2 Progress (April – June 2017)
		2A. No documented procedures for vendor invoice authorization in case of absent personnel.	The District should update vendor invoice authorization procedures to incorporate sign off procedures in case of absent personnel and/or authorized threshold amounts by employee type.	The Program Management Plan (PMP) will be updated to include procedures for signatures when the Director is absent.	June 2017.	Complete. District Architect has revised the PMP. See <i>Approvals</i> under <i>Financial Controls</i> , under PMP Section 3. <i>Project Controls (Page 7 of redline version)</i> .	Complete.
Objective 2	District and Professional Services Staffing Plan for the Bond Program	There is no staffing plan that assesses staffing requirements against Bond Program project needs.	The Staffing Plan should be updated to correlate Bond Program projects to Bond Program staffing needs.	The staffing plan will be completed by the end of the current fiscal year.	June 2017.	Director of Planning and Construction will complete by September 2017 and will include a cover memo. First draft due internally on May 1 st .	Update 6/19: An internal working group is reviewing draft template and narrative of Staffing Plan. Fiscal Services Division will assist with historic data tables.
Objective 3	Design and Construction Schedules Cash Flow Analysis	The Cash Flow report prepared by the District had not been provided to the Board or to the CBOC through December 31, 2016.	As a best practice, District cash flow reporting should include revenues, cash, and expenditures by timeframe to document that sufficient funding is available to meet financial requirements for Proposition O, Bond Sale No. 2. This information should reconcile to the newly developed Capital Projects Monthly Status Report (see Objective No. 4 for further details) and be provided to the CBOC on a monthly basis.	At this time, this report is not necessary to add value to the bond program given that there is no significant recurring revenue. Staff will explore the available reports under the Account-Ability system to develop cash flow report.	Ongoing.	Capital Projects Financing and Reporting Manager will schedule internal meeting with Planning Project Managers to provide training on how to age project budgets in the Account-Ability system. The Budget Aging function in Accountability will allow staff to generate updated Cash Flow reports when requested.	Update 6/19: All Project Managers have received training for aging budgets in Account-Ability. All projects were aged by 5/31/2017. The first Cash Flow Report has been generated and will be provided to the Board on 6/26/2017. Complete.

Sweetwater Union High School District
 Proposition O Performance Audit Report – Fiscal Year Ended June 30, 2016
 Managements Responses

No.	Category	Issue	Auditor’s Recommendation	Management Response	Planned Resolution Date	Audit Follow Up Quarter 1 Progress (January – March 2017)	Audit Follow Up Quarter 2 Progress (April – June 2017)
Objective 4	Design and Construction Costs and Budgets	Inconsistent construction project change order reporting and no details were available for contingency usage amount.	Deviations from the original budget by key construction component should be clearly documented and explained for easy end user reference. Consistent change order impact and assigned responsibility details are needed within monthly Project Financial Reports to ensure that change order information is sufficiently reported to District Management, the BOT, and the CBOC. Change order and contingency change documentation should be reported in a consistent manner as defined by the District and include information such as change amount, percentages, descriptions, change responsibility, date of BOT approval, subtotals, and totals for easy end user reference. Change order and contingency documentation should be available at both the project level and at the program level with both detailed and summary level information.	Staff has documented the procedures followed when completing the Active Project Monthly Status Report. The written procedures will be incorporated into the Program Management Plan (PMP). Additionally, staff will explore template reporting of contingency and change order(s) in the Account-Ability system.	June 2017.	Capital Projects Financing and Reporting Manager will revise the PMP and will send revisions to the <i>working group</i> for internal review.	Update 6/19: Active Monthly Status Report has been revised to list Construction Contract Change Orders separate from Other Contract Changes (See Appendix J in PMP for Instructions for completing the active projects monthly status report). On-going compliance monitoring. Complete.

Sweetwater Union High School District
Proposition O Performance Audit Report – Fiscal Year Ended June 30, 2016
Managements Responses

No.	Category	Issue	Auditor’s Recommendation	Management Response	Planned Resolution Date	Audit Follow Up Quarter 1 Progress (January – March 2017)	Audit Follow Up Quarter 2 Progress (April – June 2017)
Objective 5	Bidding and Procurement Procedures	A. Quote or Proposal requirements for a contract were not met.	We recommend that the Planning and Construction Department ensure that complete bid and procurement files are maintained to support all bids, awards, and awarded contract values. Controls should be implemented to prevent contract award selection differing from requirements per District procedures. The District should add procurement oversight controls and/or training to staff personnel to ensure compliance with policy.	The Planning and Construction Department will continue to adhere to Quote or Proposal requirements. This was a single instance of noncompliance with district practices.	April 2017.	Complete. On-going compliance monitoring.	Complete. On-going compliance monitoring.

Sweetwater Union High School District
Proposition O Performance Audit Report – Fiscal Year Ended June 30, 2016
Managements Responses

No.	Category	Issue	Auditor’s Recommendation	Management Response	Planned Resolution Date	Audit Follow Up Quarter 1 Progress (January – March 2017)	Audit Follow Up Quarter 2 Progress (April – June 2017)
		B. A non-pre-qualified consultant was selected	The Planning and Construction and Procurement Departments should comply with procedures and clarify whether consulting contracts should only be executed if they are on the pre-qualified consulting list. The District should review and update the controls surrounding contract execution, purchase order issuances, disbursements, and procurement reporting to prevent noncompliance with procedures. A checklist or equivalent mechanism, with appropriate sign-offs on procurement requirements, can serve as a good tool to for all relevant parties (Accounting as well as Planning and Construction and Procurement) to validate compliance with policy and procedure requirements. Additionally, given the last Board approval date was August, 19 2013 for the pre-qualified consultant list, the District should consider including specialized consultants’ scopes of work, as specified by the District’s procedures, in specific trade journals (see Observation 5d for further information) to generate an updated list of interested consultants.	The pre-qualified consultant list was created for the purposes of ratifying consultant contracts. The current practice is to approve contracts rather than ratify. The Program Management Plan will be updated to change “should” to “may” to reflect the option to use the pre-qualified consultant list.	June 2017.	Complete. District Architect has revised the PMP to reflect that the use of pre-approved consultants is optional. See <i>Selecting the Appropriate Consultants</i> under PMP Section 4 <i>Programming and Planning (Page 20 of redline version)</i> .	Complete.

No.	Category	Issue	Auditor’s Recommendation	Management Response	Planned Resolution Date	Audit Follow Up Quarter 1 Progress (January – March 2017)	Audit Follow Up Quarter 2 Progress (April – June 2017)
		C. The School’s Construction procedures surrounding specialized consultant selection lack clear guidance and documentation requirements	The District should implement controls to confirm that Planning and Construction is obtaining at least three proposals for each consultant needed in order to ensure best value for services considering both total cost and hourly rates, or provide and document justification for not requiring this procedure. The District should review and update the controls surrounding consultant contract execution, purchase order issuances, disbursements, and procurement reporting to prevent noncompliance with policy and procedures. A checklist or equivalent mechanism, with appropriate sign-offs on procurement requirements, can serve as a good tool to for all relevant parties (Accounting as well as Planning and Construction and Procurement) to validate compliance with policy and procedure requirements.	Management will revise the Program Management Plan (PMP) to implement controls as appropriate.	June 2017.	District Architect has revised the PMP to reflect that the use of pre-approved consultants is only required in cases of ratification. See <i>Consultant Contracts</i> and <i>Selecting the Appropriate Consultants</i> under PMP Section 4 <i>Programming and Planning (Page 20 of redline version)</i> .	Update 6/19: Contracts Manager has extracted checklist for consultant contracts, within PMP, and sent to Planning and Construction staff for use. Complete.

Sweetwater Union High School District
Proposition O Performance Audit Report – Fiscal Year Ended June 30, 2016
Managements Responses

No.	Category	Issue	Auditor’s Recommendation	Management Response	Planned Resolution Date	Audit Follow Up Quarter 1 Progress (January – March 2017)	Audit Follow Up Quarter 2 Progress (April – June 2017)
		D. The prequalification list for required contractors and subcontractors is not updated on a yearly basis.	As a best practice, the District should evaluate the current pre-qualification process and threshold amount to ensure that the list of pre-qualified bidders is complete and accurate and promotes competitive pricing for vendor selections on the Bond Program. The District should additionally consider implementing a solicitation requirement to ensure that the list is complete with interested and qualified contractors and subcontractors.	There is no statutory requirement to update the prequalification list annually. However, the district continually accepts prequalification applications from new general contractors and mechanical, electrical, and plumbing subcontractors. Furthermore, the district annually renews existing prequalified entities.	Completed.	Complete. On-going.	Complete. On-going.

Sweetwater Union High School District
 Proposition O Performance Audit Report – Fiscal Year Ended June 30, 2016
 Managements Responses

Objective 6	Bond Program Master Planning and Reporting	6a. The District has taken steps to address the master plan of the Bond Program recommendation provided in the prior year’s report (Moss Adams 2015 Objective No. 17); however, the Long Range Facilities Master Plan presented to the Board on March 14, 2016 did not clearly identify the priorities and associated budget allocations for the remaining issuances of Proposition O funds.	As a best practice, a BOT-approved Long Range Facilities Master Plan should include detailed documentation surrounding the prioritization of projects, project budget amounts, project scope objectives and timelines, and project change orders. The District needs to develop an LRFMP and an annual maintenance plan with clear goals, procedures, and expectations to validate need-based decision making and a data-driven priority project list to ensure fair and equitable distribution of resources. The District needs to complete a comprehensive facilities condition assessment, as well as educational suitability and technology readiness assessment at every campus within its jurisdiction that incorporates infrastructure and Title IX needs. As provided in the Jacobs engineering report, current detailed and accurate information on facilities needs to be maintained and compared to District standards to determine facilities deficiencies and education adequacy costs on a regular basis. Program goals and criteria applied to determine project prioritization need to be clearly defined and communicated to staff and stakeholders to ensure transparent decisions and convey realistic project timelines and expectations. The Long Range Facilities Master Plan should be	The selection process for projects will incorporate community input, staff recommendations, and board approval. The district utilized the Jacobs Report to a limited degree and supplemented that information with staff knowledge and expertise. Moving forward, there will continue to be efforts to complete master plans for every district campus.	Ongoing.	1) Project Manager (PM) will complete a schedule for when the district plans to complete all Site Master Plans. (Incorporate a 60-day assumption for focus groups) 2) District Architect will setup meetings with focus groups (all meetings will include IT and Maintenance): a.General Ed b.Athletics/PE c. Special Education d.CTE/Maker Spaces e.VAPA f. Admin/support g.Science	Update 6/19: Preliminary District Wide Master Plan Schedule by Site is complete. Template for all Master Plans was completed on 5/8. Internal meetings are being held to determine the following components: i. Protocol Checklist/Standards. ii. Demographics iii. Identification of Priorities – Guiding Philosophy/Goals. Site Master Plan Process Flow Chart has been completed. Facilities Subcommittee meeting will be scheduled in August 2017, to sunshine items listed above.
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Sweetwater Union High School District
 Proposition O Performance Audit Report – Fiscal Year Ended June 30, 2016
 Managements Responses

No.	Category	Issue	Auditor’s Recommendation	Management Response	Planned Resolution Date	Audit Follow Up Quarter 1 Progress (January – March 2017)	Audit Follow Up Quarter 2 Progress (April – June 2017)
			reconciled to the available Bond funds and updated on an ongoing basis. This information is necessary in order to provide adequate information to sufficiently oversee and conclude on Bond Program progress on behalf of the taxpayers. Once this information is approved and available, monthly reports should include construction status updates compared against the Master Plan to provide transparency on the Bond Program’s total progress in relation to the voter-approved objectives.				
		6b. The District has did not provided a standalone financial reporting of the Bond Program to the CBOC.	As a best practice, the District should provide stakeholders standalone financial reporting in addition to the total program reporting so that there is a common understanding of expenditures and funding availability for Proposition O on a standalone basis.	A standalone expenditure report is available and can be provided upon request.	Completed.	Report is complete and will provide on quarterly basis. Beginning with June 30 th 2017 financials, reported August 2017.	Report is complete and will provide on quarterly basis. Beginning with June 30 th 2017 financials, reported August 2017.

Sweetwater Union High School District
 Proposition O Performance Audit Report – Fiscal Year Ended June 30, 2016
 Managements Responses

No.	Category	Issue	Auditor’s Recommendation	Management Response	Planned Resolution Date	Audit Follow Up Quarter 1 Progress (January – March 2017)	Audit Follow Up Quarter 2 Progress (April – June 2017)
Objective 7	Claim Avoidance Procedures		As a best practice, written procedures for claims avoidance should be prepared and utilized. Procedures taken to avoid claims should be documented and available for review to validate compliancy with the implemented claims avoidance policy. The Construction and Planning Department should utilize monthly accounting report narrative sections to address potential differences with the Contractor such as responsibility for performing particular specific work will be addressed in detail. Particular care should be taken to record and preserve all possible data and/or evidence with respect to any matter which may become a basis for a contractor claim. As there may be many root causes for claims, the claims avoidance policy should include a detailed process that the District follows to identify the areas of exposure that may lead to a claim and steps to be taken to prevent claims such as document control requirements, identification of appropriate communication channels, and proactive cost, schedule, and quality control procedures to avoid claims where possible.	The Planning and Construction Department will develop written procedures for claims avoidance by the end of the current fiscal year.	June 2017.	Director of PAC to develop procedures. Due June 1 st .	Complete. (See Pages 50-51 of redline version of PMP).

Objective 8			<p>The District should finalize the comprehensive manuals which detail material types, standard equipment, and systems, manufacturer specification numbers, and minimum standards for new construction and modernization mandated by the District for projects undertaken. These minimum standards mandated by the District should consider facility safety, longevity, and educational requirements. Additionally, as a best practice, a defined policy should be implemented for updates to the Sweetwater Modernization Standards and Technical Specifications documents. This policy should ensure that documentation exists including the requestor and date of request, description of change, cost-benefit relationship for the change, approver, and date of approval, and a time-stamped updated specifications document. The cost-benefit analysis for significant specification changes should be prepared internally at the District and approved by the District’s Management. Additionally, the Standard Specifications document should avoid including narrowly scoped requirements to prevent non-competitive pricing or overbillings to the District. Absent this policy and documentation, when and why changes are made to the standards</p>	<p>The District Standards are nearing completion. The Standards will be a living document and after approval by the Board of Trustees, there will be periodic updates. Staff is collaborating with the San Diego County Office of Education for development of roofing specifications. This is anticipated to be completed by the end of April 2017.</p>	April 2017	<p>Will be completed by the District Architect by end of June 2017.</p>	<p>Update 6/19: Roof Standards have now been incorporated into the District Standards. The District Standard will be taken to the Board on 6/26/2017, for a second reading and adoption.</p> <p>Complete.</p>
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Sweetwater Union High School District
Proposition O Performance Audit Report – Fiscal Year Ended June 30, 2016
Managements Responses

No.	Category	Issue	Auditor’s Recommendation	Management Response	Planned Resolution Date	Audit Follow Up Quarter 1 Progress (January – March 2017)	Audit Follow Up Quarter 2 Progress (April – June 2017)
			and specifications documents are unclear.				

Sweetwater Union High School District
 Proposition O Performance Audit Report – Fiscal Year Ended June 30, 2016
 Managements Responses

Objective 9	Cost Benefit and Value Engineering Analyses	There was no formal written procedure or documentation available to support that the District has implemented a process for conducting cost benefit analyses on its projects.	<p>As a best practice, the District should have defined processes for cost benefit analysis and value engineering for its projects, including when to utilize these tools, who is responsible for each activity, and procedures for final approval. The District’s current methodology is to utilize these tools on projects that are over the estimated budget; however, value engineering and cost benefit analyses can be utilized as a tool on any project. SAVE International specifies that the following six phases be conducted to analyze cost and value:</p> <ol style="list-style-type: none"> 1. Information Phase: Review and define the current conditions of the project and identify the goal of the value engineering study and cost benefit analysis. 2. Function Analysis Phase: Review and analyze the project to determine what needs improvement, elimination, or creation to meet the project’s goals. 3. Creative Phase: Generate ideas on all the possible ways to accomplish the requirements, with an emphasis on cost and functional needs. 4. Evaluation Phase: Develop and execute an evaluation to select those ideas that offer the potential for value improvement 	The Planning and Construction Department will develop processes for cost benefit analysis and value engineering for its projects by the end of the current fiscal year.	June 2017.	<p>Project Manager to outline a process for design review after each design phase. Cost Benefit and Value Engineering Analyses will be included as a component. Constructability review to be considered.</p> <p>Due June 1st.</p>	Update 6/19: Draft procedures and templates for Project Design Review are complete and will be included in the PMP. Cost Benefit and Value Engineering Analyses are included as components of the Design Review process. The Planning and Construction Department will perform a test implementation of these procedures starting in the third quarter of 2017. The results of the test implementation will be reviewed and the procedures and templates will be revised as necessary.
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Sweetwater Union High School District
Proposition O Performance Audit Report – Fiscal Year Ended June 30, 2016
Managements Responses

No.	Category	Issue	Auditor’s Recommendation	Management Response	Planned Resolution Date	Audit Follow Up Quarter 1 Progress (January – March 2017)	Audit Follow Up Quarter 2 Progress (April – June 2017)
			<p>while delivering the project’s function(s) and considering performance requirements and resource limits.</p> <p>5. Development Phase: Develop the selected ideas into alternatives with sufficient documentation to allow decision makers to determine if the alternative should be implemented.</p> <p>6. Presentation Phase: Present a presentation and/or report to key stakeholders that convey the adequacy of the alternative(s) and the associated value improvement.</p>				

Sweetwater Union High School District
 Proposition O Performance Audit Report – Fiscal Year Ended June 30, 2016
 Managements Responses

No.	Category	Issue	Auditor’s Recommendation	Management Response	Planned Resolution Date	Audit Follow Up Quarter 1 Progress (January – March 2017)	Audit Follow Up Quarter 2 Progress (April – June 2017)
Objective 10	Maintenance of District Assets Funded with Proposition O and Warranty Conditions Compliance	The District does not maintain an Owner asset list for all assets incorporated into school site construction and is therefore unable to provide complete and accurate information regarding warrantied items.	As a best practice, the District should ensure compliance with all warranty conditions to sustain a level of protection against breach of warranty and proper maintenance of District facilities in accordance with warranty conditions. A consolidated summary project close-out report with warranty and preventive maintenance log details, which includes major assets, applicable warrantied items, dates of installation, required periodic maintenance, and actual maintenance conducted should be maintained for all school sites and reported to stakeholders on a regular basis. Warranty information is required as part of the construction close-out process; therefore, it is recommended that the Owner warranty log is created by the Planning and Construction Department and be provided to the maintenance team for proper follow-up.	The Planning and Construction Department will work with the Maintenance Department to define processes whereby periodic maintenance as required to keep warranties in effect is performed on a timely basis. These processes will be revised during the 2017-18 Fiscal Year.	June 2018.	None.	Update 6/19: Maintenance met with SDCOE and discussed a possible piggyback contract for School Dude software. An internal meeting has been scheduled with the district’s IT Department, to review the School Dude software. In addition, an internal meeting with the CFO has been scheduled to discuss integration with the district’s Financial System (TrueCourse).



SWEETWATER UNION HIGH SCHOOL DISTRICT

Proposition O - Bond Sale 2 Capital Projects

CASH FLOW PROJECTION REPORT

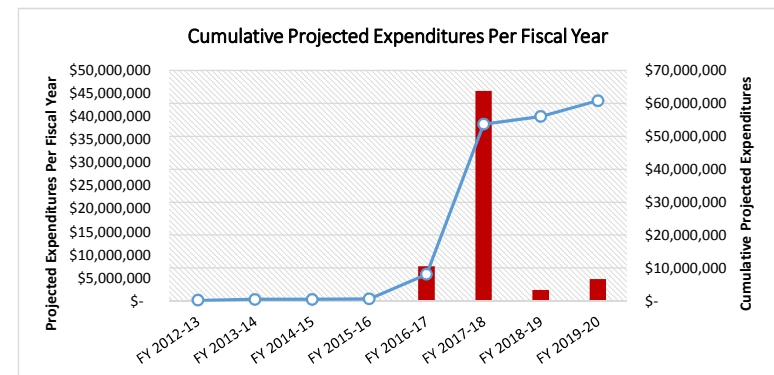
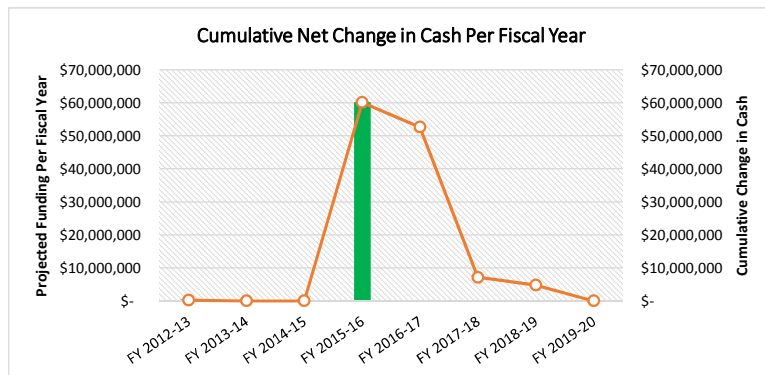
Cash Inflows - Project Funding (Approved Budget)

Fund Group	Fund Code - Name	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16 <---Actual---	FY 2016-17 ---Planned---	FY 2017-18	FY 2018-19	FY 2019-20	Total
Local	14 - Deferred Maintenance Fund	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
	22 - Proposition O	\$ 412,096	\$ -	\$ -	\$ 55,190,000	\$ 75,444	\$ -	\$ -	\$ -	\$ 55,677,540
	49 - CFD - Capital Projects Fund	\$ -	\$ 66,799	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,799
Local Total		\$ 412,096	\$ 66,799	\$ -	\$ 55,440,000	\$ 75,444	\$ -	\$ -	\$ -	\$ 55,994,339
State	35 - State School Facilities Fund	\$ -	\$ -	\$ -	\$ 4,800,000	\$ -	\$ -	\$ -	\$ -	\$ 4,800,000
State Total		\$ -	\$ -	\$ -	\$ 4,800,000	\$ -	\$ -	\$ -	\$ -	\$ 4,800,000
Total Funding		\$ 412,096	\$ 66,799	\$ -	\$ 60,240,000	\$ 75,444	\$ -	\$ -	\$ -	\$ 60,794,339

Cash Outflows - Project Expenditures

Site Name/Project Name	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16 <---Actual---	FY 2016-17 ---Planned---	FY 2017-18	FY 2018-19	FY 2019-20	Total
Bonita Vista HS Artificial Track & Field	\$ 99,353	\$ 144,986	\$ -	\$ -	\$ 92,625	\$ 4,466,375	\$ 191,000	\$ -	\$ 4,994,339
Bonita Vista MS Site Master Plan (2017)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ -	\$ -	\$ 120,000
Castle Park HS Gym Bleachers	\$ -	\$ -	\$ -	\$ 14,680	\$ 135,787	\$ 784,533	\$ -	\$ -	\$ 935,000
Castle Park HS Site Master Plan (2017)	\$ -	\$ -	\$ -	\$ -	\$ 30,928	\$ 89,072	\$ -	\$ -	\$ 120,000
Castle Park MS Site Master Plan (2017)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ -	\$ -	\$ 120,000
Chula Vista HS Site Master Plan (2017)	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 105,000	\$ -	\$ -	\$ 120,000
Hilltop HS Track & Field	\$ 93,533	\$ 141,023	\$ -	\$ -	\$ 284,755	\$ 3,980,689	\$ -	\$ -	\$ 4,500,000
HTM Mod. & Expansion of Bldg. 600 (Proj 1)	\$ -	\$ -	\$ -	\$ 2,400	\$ 301,533	\$ 3,378,067	\$ 1,658,000	\$ -	\$ 5,340,000
Mar Vista Academy Site Master Plan (2017)	\$ -	\$ -	\$ -	\$ -	\$ 20,500	\$ 99,500	\$ -	\$ -	\$ 120,000
Mar Vista HS Pool Replacement	\$ -	\$ -	\$ -	\$ -	\$ 110,620	\$ 589,480	\$ 543,200	\$ 4,756,700	\$ 6,000,000
Mar Vista HS Site Master Plan (2017)	\$ -	\$ -	\$ -	\$ -	\$ 23,670	\$ 96,330	\$ -	\$ -	\$ 120,000
SOH Gym ADA Bleacher Replacem't (RR & Floor)	\$ -	\$ -	\$ -	\$ 68,247	\$ 153,590	\$ 963,163	\$ -	\$ -	\$ 1,185,000
Southwest HS Site Master Plan (2017)	\$ -	\$ -	\$ -	\$ -	\$ 96,404	\$ 23,596	\$ -	\$ -	\$ 120,000
HVAC Project	\$ -	\$ -	\$ -	\$ 58,972	\$ 6,227,692	\$ 30,713,336	\$ -	\$ -	\$ 37,000,000
Total Expenditures	\$ 192,886	\$ 286,009	\$ -	\$ 144,299	\$ 7,493,104	\$ 45,529,141	\$ 2,392,200	\$ 4,756,700	\$ 60,794,339

Cumulative Totals	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16 <---Actual---	FY 2016-17 ---Planned---	FY 2017-18	FY 2018-19	FY 2019-20	Total
Inflows - Cumulative Funding, Going Forward	\$ 412,096	\$ 478,895	\$ 478,895	\$ 60,718,895	\$ 60,794,339	\$ 60,794,339	\$ 60,794,339	\$ 60,794,339	\$ 60,794,339
Outflows - Cumulative Expenditures, Going Forward	\$ 192,886	\$ 478,895	\$ 478,895	\$ 623,194	\$ 8,116,298	\$ 53,645,439	\$ 56,037,639	\$ 60,794,339	\$ 60,794,339
Cumulative Net Change in Cash	\$ 219,210	\$ -	\$ -	\$ 60,095,701	\$ 52,678,041	\$ 7,148,900	\$ 4,756,700	\$ -	\$ 121,588,678





PLANNING & CONSTRUCTION DEPARTMENT

PLANNING DESIGN REVIEW BIDDING CONSTRUCTION FF&E CLOSEOUT WARRANTY



PMP



PROGRAM MANAGEMENT PLAN



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I. INTRODUCTION

PURPOSE

The mission of the Planning and Construction Department (P&CD) is to provide quality educational and administrative facilities that support the educational goals of the Sweetwater Union High School District (SUHSD). The overall facility goals are reflected in the Long Range Facilities Master Plan (LRFMP), which is updated every five years, or as needed. The detailed implementation of the LRFMP is reflected in the Capital Improvement Program (CIP) Status Reports , which shows individual projects and are updated monthly. The LRFMP and CIP Status Reports are discussed in the Programming and Planning section of this plan.

This Project Management Plan (PMP) provides a guide for the implementation of projects managed by the P&CD to assure that all projects comply with applicable laws, regulations and codes. The PMP identifies key principals and criteria, the tools and resources to be utilized, and the process and to be applied to projects by staff. This plan is a living document and will be revised and updated to reflect the current goals of the SUHSD and the implementation of these goals as they change over time.

Although the information contained in this document is directed to SUHSD employees, the information may also be utilized to inform key stakeholders as well as the general public to the way SUHSD manages projects.

Citations of (BP xxxx) or (AR xxxx) refer to Board Policies or Administrative Regulations which are available on the district website.

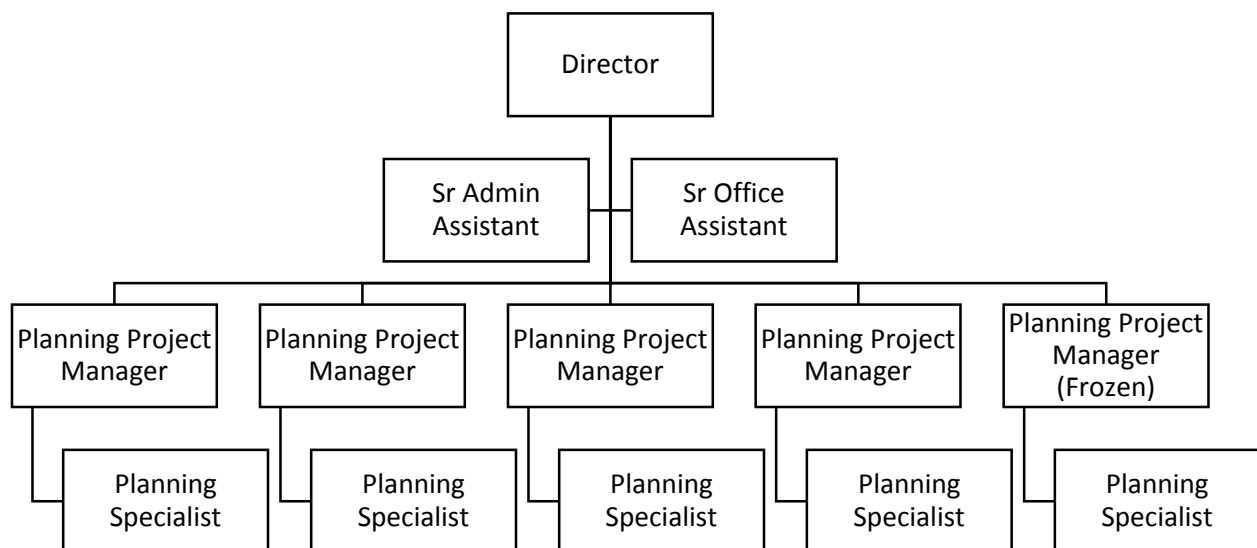
II. ORGANIZATION

STAFFING

The Planning and Construction Department (P&CD) is staffed by professional employees with knowledge in planning, design, engineering, and program and construction management. The Assistant Superintendent of Facilities and Operations (AFSO) and the Director of Planning and Construction (DPC) direct the activities of P&CD staff in the implementation of these projects. Implementation also requires the assistance of other departments (particularly the Maintenance and Purchasing Departments). Project management is primarily the responsibility of Planning Project Managers (PMs) supported by Planning Specialists (PSs). Approved job descriptions are available at:

<http://hr.sweetwaterschools.org/welcome/job-descriptions/>

Planning and Construction Department



PROGRAM RESPONSIBILITIES

COMMUNICATIONS

The ASFO and DPC will be responsible for providing program and project information to the Board of Trustees (BOT), the Citizens' Bond Oversight Committee (CBOC) and the general public. The BOT receives the CIP Status Reports at the last regular meeting of the month. The CBOC is responsible for oversight of the use of Proposition O funds and receives a modified version of the CIP Status Reports at

each meeting. The general public accesses information through the SUHSD web site, department web pages and Prop O web pages. The P&CD also works with the Grants and Communications Department to disseminate information to the media and public and coordinate project events such as groundbreaking, topping-out, and ribbon-cutting ceremonies.

The CIP Status Reports are used to give the BOT and public a status on current budgets, proposed budget changes, expenses, commitments, program contingency, revenue sources and provide narratives on the status of projects, photos, schedules, contractor and change order information. The DPC and Fiscal Services Division prepare the CIP Status Reports for board meetings using input from P&CD staff and processes the report through the board agenda input process.

Reports to the CBOC are limited to the projects funded with Proposition O (and BB) funds (including any other supplemental funding for those projects). The reports include narratives on the status of projects, photos, schedules, financial reports (including budget, commitments, expenses, projected cost to complete and potential savings) contractor and change order information. Also provided to the CBOC, is a summary of items approved by the BOT since the last CBOC meeting. The CBOC also receives copies of the annual financial and performance audits and other documents as requested. The P&CD also publishes the CBOC annual report.

The P&CD provides communication to the public and CBOC through the P&CD and Prop O web pages on the SUHSD website. These pages will be updated on a periodic basis and the CBOC pages on the Prop O website will be updated for each CBOC meeting with agendas, notices, and agenda item attachments. One or more members of the P&CD staff and ASFO office will be designated as webmasters with access to update the webpages.

PROJECT RESPONSIBILITIES

The general roles and responsibilities indicated below summarize the major responsibilities for individual projects by phase. Detailed responsibilities and activities are more fully described in later sections.

The following is a series of narratives describing the process of refinement, roles, information flow, deliverables, etc. for each phase. This is an outline of responsibilities. A specific and detailed scope of work and deliverables will be developed with each project once it is defined.

The process is separated into six phases: Programming and Planning, Design and Agency Review, Bid and Award, Construction, Close-out, and Post-occupancy. In addition to the summary phase descriptions below, see the Appendices for detailed listings of all tasks and responsibilities for entire design process through bidding.

PROGRAMMING AND PLANNING PHASE

- Development and implementation of the LRFMP.
- Development and implementation of the CIP funding sources, as detailed in CIP Status Reports.
- Master planning, programming, educational specifications and program scope and quality level development.
- Periodic review of district product standards and specifications.
- Facilities assessments and campus surveys.

- Development of conceptual project scope, schedule and budget in collaboration with the end users.
- Confirm funding sources.
- Determine construction delivery method.
- Select the appropriate Design Professional and other consultants necessary for each project.
- Determine appropriate California Environmental Quality Act (CEQA) documentation.

DESIGN AND AGENCY REVIEW PHASE

- Overall monitoring of the project including scope, schedule and budget.
- Development of schematic design program and projects scope, schedule, budget.
- Oversight of all design drawings related activities with the Design Professional.
- Constructability and value engineering reviews.
- Coordinate processing through approval agencies (the Division of State Architect [DSA], OPSC, local fire departments, etc.)
- Oversight of all agency review related activities with the Design Professional.
- Coordinate and manage all pre-construction activities with the general contractor on design-build projects.
- Internal departmental reviews by district stake holders.
- Provide documentation to funding entities if necessary.
- For projects funded by Prop O and/or Mello-Roos CFD funding, if the A/E's construction estimate is \$1 million or greater, the project is subject to the district's Project Labor Agreement (PLA).

BID AND AWARD PHASE

- Overall monitoring of the project including scope, schedule and budget.
- Coordinate with and assist the Purchasing Department during bidding and award.
- Pre-qualification of General Contractors for projects exceeding \$1 million.
- Pre-qualification of mechanical, electrical and plumbing sub-contractors for State funded projects over \$1 million.
- Preparation of bid packages and advertising.
- Assist Purchasing in bid opening activities.
- Bid award activities.
- Pre-construction activities.
- Coordination with the Grants and Communications Department for groundbreaking ceremonies.
- Provide documentation to funding entities if necessary.

CONSTRUCTION PHASE

- Overall management of the project including scope, schedule and budget.
- Manage the Contractor(s), Design Professional and Inspector of Record (IOR) during construction.
- Manage the procurement of Furniture, Fixtures & Equipment (FFE).
- Manage commissioning and occupancy.

- Documenting the project for communications to the public, the Board of Trustees, district staff, students and the Citizens' Bond Oversight Committee.
- Coordination with the Grants and Communications Department for topping out ceremonies on projects that have major structural steel components.
- Coordination with the Grants and Communications Department for ribbon-cutting ceremonies.
- Provide documentation to funding entities if necessary.

CLOSEOUT PHASE

- Assure that all project closeout activities are appropriately completed and DSA certification is achieved quickly in accordance with DSA procedures.
- Provide final documentation to funding entities if necessary.
- Assist the Fiscal Services Division with audits.
- Warranty information and Operation & Maintenance (O&M) manuals are submitted to Maintenance Department.
- Fixed Asset report is submitted to site.

POST-OCCUPANCY PHASE

- Respond to warranty issues.
- Assist maintenance in determining whether issues are under the warranty.
- Post-occupancy evaluation.
 - Perform one year, 22 month, and two year warranty job walks.

III. PROJECT CONTROLS

INTRODUCTION

Project Controls are critical for the overall success of District's projects. Good controls and control systems will:

- Ensure compliance with applicable laws, codes, rules, and regulations.
- Report accurate and timely information.
- Allow fact-based decision making.
- Deliver a single unified easy-to-use platform for everyone with easy data entry and maintenance.
- Identify areas requiring additional attention within the program.
- Allow the staff to continuously learn and improve from real-time data.
- Minimize paper distribution while maximizing communication.

PROGRAM CONTROL SYSTEM

A Program Control System (PCS) addresses five basic program needs: Financial Accounting, Cost Management, Document Control, Collaboration, and Scheduling. Currently a single system that incorporates all needs is not feasible and therefore multiple systems are used:

- The District Accounting System (DAS) is currently TrueCourse.
- The District Project Management Systems (PMS) are:
 - Account-Ability (AA) Software, which is used for Planning, Budget Development, Cost Management, Contract Management;
 - Prolog Software, which is used for Document Control and Collaboration;
 - The district also uses conventional files and electronic files (including Laserfiche) for Document Control.
- Scheduling is currently done with Microsoft Project.

The PCS is used daily by staff, consultants, and contractors to record project data. Reports should be prepared monthly to reflect the updated budgets, committed (encumbered) costs, expenditures, contract data, schedules and other data needed by SUHSD management, the CBOC, and BOT to make informed decisions related to the CIP Status Reports.

FINANCIAL CONTROLS

Financial accounting is accomplished by using the DAS and AA to maintain auditable financial records that track funding sources, budgets, encumbrances (committed costs), expenses and documents for the procurement process. P&CD staff and Fiscal Services staff will be responsible for inputting and assuring the accuracy of data in the DAS and AA. The PM is responsible for monitoring expenses to ensure that the project expenses do not exceed the project budget.

Project budgets and budget adjustments will be developed by the PM, approved by the DPC and ASFO and included in the monthly CIP Status Reports agenda item for approval by the BOT. The one exception is that budget adjustments within an approved project (e.g. moving funds between budget line items to reflect actual contracts) only requires approval by the DPC. Once budgets or adjustments are approved, the PM coordinates with the PS to ensure entry to the PCS prior to the end of the month.

Budget line items will be coded using the California Standardized Account Code Structure (SACS). District staff uses detailed reports from the DAS to manage project budgets by line item. Most reports to the BOT, CBOC and public are summaries of individual codes (e.g. site development, construction, portables, modernization and other construction are combined into a single construction line item for reporting).

Every effort should be made so that financial data in the DAS and PMS matches, however timing of input into the two systems may mean that there are differences in the systems. Major discrepancies between the DAS and PMS should be reconciled and corrected in the PCS by the PM and PS.

APPROVALS

Generally, documents such as invoices and requests for payment are signed by the PM and DPC. If the DPC will be absent, the DPC shall designate a PM via email. A second PM shall countersign so that there are always two signatures. If a PM will be absent, they shall designate another PM as an alternate, also via email. A hard copy of the email(s), establishing alternate signatory shall be included with the request for payment.

PROJECT MANAGEMENT CONTROLS

The PMS should integrate budgets, expenditures, commitments, trends, forecasts and schedules that allow the P&CD to manage each project and the whole CIP. The key requirements for the system include:

- Data tracking on expenditures and commitments, in concert with the DAS.
- Real-time and manual data entry of project cost and schedule data.
- Various levels of reporting and flexible reporting tools.
- Internet-based integrated platform for managing and reporting as required by key stakeholders, Public Agencies and SUHSD staff.

COST MANAGEMENT

Cost management is accomplished by using the PMS to manage project budgets, day-to-day project financial transactions and provide cost forecasting. The PMS includes control procedures and systems to track the decisions regarding budgets and budget changes so that staff can proactively prevent or fund any budget shortfalls caused by cost overruns.

The PS uses the PMS to track all project budgets, contracts and expenditures. The PMS is used to generate cover sheets used for various processes such as contract approvals, invoices and payment requests.

The PMS is also used to develop cost forecasts and track them against budgets, contracts and expenditures over a timeline. Cost management uses cash flows, cost forecasts, commitments and historical trending to forecast future expenditures and funding requirements, which allows management

to proactively monitor and control budgets and expenditures. As needed, the PS can produce reports from the PMS for use by management

COST FORECASTS AND TRENDING

Cost forecasts will be prepared on a continual basis as project information becomes more defined and progress is achieved. Three critical phases in the project lifecycle will trigger new forecasts. In the Schematic Phase, a forecast will be based upon the schematic scope. At the Design Development Phase and Construction Document Phase, a forecast will be based upon the completed engineering and design. The Construction Phase will mark a period of continuous review and monitoring where forecasts will be prepared routinely and as necessary from trending information.

In addition to the forecasts generated from the three critical phases, new forecasts can also result from other events such as: (1) a change in scope, (2) trending project expenditures, (3) trending commitments, (4) schedule impact and (5) unanticipated changes in market conditions. Changes in scope include but are not limited to, environmental factors and unplanned events. These changes will be tracked for continuous learning.

Preparation of project forecasts is the responsibility of the PM. Close examination of project expenditures and commitments will be conducted on a continual basis to ensure compliance with the plan. This trending information will be used to prepare a new project forecast. Individual trends, either up or down, may not immediately result in a project cost variance from budget because there are many factors that can affect the project forecast including degree of certainty associated with the trend and the availability of contingency funds.

DOCUMENT CONTROL

Document control is accomplished using conventional files, electronic files, and software. Conventional files are stored in conventional file cabinets or desk drawers. Archives must be stored in a secure room and location. Electronic files are managed by various software programs including Microsoft Windows, Laserfiche, Prolog and the DAS.

CONVENTIONAL FILES

The Central Filing System (CFS) is a conventional filing system for physical documents. The purpose of the CFS is to provide easy day-to-day access to active project related documents and an archive system for physical documents that must be retained by the district. Staff maintains both central files for records retention and local files for day-to-day project activities.

The CFS is organized by site and project. The master file index is in Appendix A. All P&CD staff will be expected to have a comprehensive understanding of the filing system and will be responsible for correctly labeling documents and files according to the filing system specifications.

Original documents will be kept in the central files. Central files may be located in a single central file location or near each PS's workspace. Local files in staff workspaces should only include copies of documents needed for active projects. If it is not feasible or reasonable to make a copy (such as bound reports), a method of notifying users where to find the original document should be used (e.g. each folder that contains a bound document could include a checkout sheet so that borrowers could sign out the document).

A secure permanent storage is required for archives (permanent storage unless otherwise noted) which includes but is not limited to:

- Project bid sets and record drawings
- Project closeout documents including testing and inspection reports, warranties, O&M manuals, and submittals (generally retained for a 5 to 10 year retention period)
- Hazardous materials reports (including asbestos removal)
- Real estate documents
- Signed contracts and agreements
- Government agency communications
- Environmental Reports
- Photographs
- Other permanent records

These documents are currently stored at the L Street Warehouse facility and destroyed when their retention date has expired. Labor Compliance files are typically held at the consultant facility and only forwarded by request.

ELECTRONIC FILES

Electronic files should be used instead of conventional files whenever possible. Prolog files are accessed only through Prolog and the function of Prolog as a PMS is discussed in other sections. Staff desktop and laptop computers have the ability to store data on local drives, but all district files should be stored on department servers. When tablets (currently Surface Pros) are used to generate documents or photographs, these items should be uploaded to the appropriate server.

DEPARTMENT SERVERS

Department servers are used to store department data, active project data, and to share data between departments. The servers include:

- Planningdocs is the primary server for the department. It is the location for resources for the department such as active project files, templates, reports, etc.
- Boardag is the server for board agenda items. P&CD staff upload draft board items to this server for review and approval by the DPC. After approval, the ASFO office finalizes the items and uploads them into Novus Agendas.
- Facilities Finance is the used for data that needs to be accessed by both P&CD and Fiscal Services staffs. This includes files supporting the CIP Status Reports, and files for state and federal audits.
- Drawings houses the electronic copies of drawings, specifications, warranties and operation and maintenance manuals.
- Other servers are software specific and are not used for storing day-to-day data.

LASERFICHE

Laserfiche is the software program used to archive permanent records for the district. The Planning partition is used by P&CD staff and Fiscal Services staff for records for individual projects as well as other department data. Administrative staff will scan and upload documents daily to avoid a large quantity of scanning at the end of a project. PMs should review the contents of Laserfiche at the end of a project and work with administrative staff to assure that any local files have been archived as required.

COLLABORATION

Collaboration relies on real-time communication to all stakeholders during the course of the project. The PMS will be used by District staff, consultants and contractors to record essential project information.

The PMS application needs to provide:

- Controlled data entry to ensure consistent information across all related documents, i.e., single entry of information by the consultants, contractors and SUHSD staff.
- Secure Internet access to reports, forms, drawings, specifications, policies/procedures and other project information based on the user's access privileges.
- A portal link for District pages.

SCHEDULING

Scheduling deals with the timelines for the various phases of a project. The project baseline schedule provides a time phased, logical sequence of interdependent activities, milestones, and events defined by the scope of the project. Schedule performance will be tracked by project and master project schedule so that adjustments can be made to reflect the actual schedules as required. The key requirements for the system include:

- The ability to show both detailed and roll-up schedules.
- Ability to add costs for a cost loaded schedule (not usually done for small projects).

IV. PROGRAMMING AND PLANNING

Most projects ultimately begin in the Long Range Facilities Master Plan (LRFMP). The LRFMP guides the development of the CIP and all active projects must either be listed in the CIP Status Reports or be funded by current fiscal year funds such as Deferred Maintenance or site funds. Programming and planning and initiating a project includes identifying funding sources, complying with CEQA requirements, selecting the project delivery methods, selecting the appropriate consultants and meeting with the users.

LONG RANGE FACILITIES MASTER PLAN

The LRFMP is the overall guiding plan for the District's capital improvement program. It provides the framework for building new facilities and improving existing facilities. In addition to major projects identified by in the LRFMP, any requested modifications to existing facilities will be evaluated by the P&CD for conformance with the LRFMP and by Maintenance and other affected departments for feasibility. Educational Specifications will be used in the master planning process to evaluate whether existing and proposed facilities will be suitable for the educational program for the district. Facility Assessments will be used to evaluate facilities against current master specifications for the physical facilities. The LRFMP includes Campus Master Plans, which provide a framework for individual projects but do not define the actual details for each project. The LRFMP also includes a summary of school capacities that will be compared with current and future enrollment. The LRFMP should be updated every five (5) years to refresh facility condition information and validate campus master plans that are dependent on current educational specifications and demographics.

For Proposition BB and Proposition O the district used the Technical Specifications and Facility Evaluations to create the District's Program Equalization Standards for the typical classroom modern teaching environment. The District will use updated Educational and Technical Specifications to update the LRFMP.

EDUCATIONAL SPECIFICATIONS

Facilities must be built to support the core mission of educating students. Educational Specifications are required for individual projects to describe the educational objectives to the Design Professional and their team. Volume 1 of the District Standards provides a framework and general district-wide Educational Specifications that will need to be customized for individual projects. Creation of Educational Specifications for large projects will usually be guided by the Design Professional while District staff may prepare them for smaller projects.

Educational Specifications may include the following:

- Project Description
- Project Design Factors
- Activity Area Requirements

- Summary of Area Relationships
- Summary of Space Requirements

The Project Description may include the following:

- Justification for the project
- The relationship to other schools in the district
- Learning delivery methods
- The vision for this school in the community
- Any environmental and sustainability goals
- Community or joint-use goals
- Grade level organization and capacity
- Budget and funding source(s)

TECHNICAL SPECIFICATIONS

Volume 2 of the District Standards contains the standard technical specifications used by the District. These specifications will be constantly reviewed by the Maintenance Department and the P&CD and will be distributed to Design Professionals for incorporation in construction projects.

FACILITIES EVALUATIONS

Facilities evaluations will include an inspection of all schools, support structures and site conditions. Existing facilities will be compared to the Educational and Technical Specifications for the district. The results guide the creation of the LRFMP and may also be used as a guide for specific projects at each.

SITE MASTER PLAN

The LRFMP includes master plans for each site and support facility. Each site master plan consists of program equalization and revised education standards, estimated cost for improvements and demolition to address the program standards and respond to the demographic analysis. Every effort is made to incorporate equalization standards on existing facility.

SUMMARY OF SITE CAPACITY

The LRFMP includes a detailed site capacity breakdown and analysis for each school in the district. Site Assessments determine existing classroom capacity and issues. This information is used to examine growth accommodation in comparison with the demographic projections and build out figures.

CAPITAL IMPROVEMENT PROGRAM (CIP) STATUS REPORTS

The CIP Status Reports details the project and program list used to implement the LRFMP Review and approval of the CIP Status Reports by the BOT at each regular meeting is the mechanism for approving new projects, budgets and budget adjustments. The CIP Status Reports packet is broken out into four sections:

- I. Consolidated Budget and Expenditure Monthly Status Report.
The purpose of this report is to provide a comprehensive financial progress report of the Sweetwater Union High School District's capital projects. The report includes project budgets, recommended new and adjusted budgets, project encumbrances and project expenditures.

The information within this report is broken out into two separate sections. The first section provides a list of Active Projects in alphabetical order by site and project name. The second section provides a list of Completed Projects in alphabetical order by project name.

II. Active Projects Monthly Status Report.

The purpose of this report is to provide a comprehensive construction summary and progress report of the Sweetwater Union High School District's capital projects. The report includes project description, construction status, breakdown of budget and expenditures by cost group, budget history and commitments, project status photos and key issues.

The P&CD prepares an Active Project Monthly Status Report for all active projects. A Report will not be completed for projects on hold or in close-out phase.

III. Current Budget Detail Monthly Report.

The purpose of this report is to provide a detailed listing of the funding source for each of the Sweetwater Union High School District's Capital Projects. This report includes statistical data by funding source and project type.

IV. Glossary of Acronyms and Terms.

FUNDING SOURCES

The district has three major funding sources for capital improvement projects:

- Local bonds such as Propositions O and BB (including Bond Anticipation Notes [BANs]);
- Mellos-Roos Community Facility District (CFD) Funding; and
- State school bonds through the School Facility Program (SFP) and other programs administered by the Office of Public School Construction (OPSC), State Allocation Board (SAB) and California Department of Education (CDE).
 - New Construction Funding
 - Modernization Funding
 - Career Technical Education Funding (CTE)
 - Overcrowded Relief Grant Funding (ORG)

Other funding sources have included:

- Developer Fees
- Quality Zone Academy Bonds (QZABs)
- Certificates of Participation
- SDG&E Energy rebates
- District general funds (for very small projects or close out costs);
- Deferred Maintenance Funding
- Grants from the NFL through the Los Angeles Chargers
- Community block grant funds through the City of National City
- Site funds
- ASB funds

- Donations

The district has successfully leveraged local bond funding by applying for and receiving State Bond Funding. Depending on the program, the district must provide a 50 percent or 40 percent matching amount of funding. Some of the programs allow the district to keep any project savings to use on additional capital facility needs.

The CIP Status Reports includes only funds that have been approved, received, or have a reasonable assurance of materializing. Future funding may be identified but projects will only proceed through design or construction as long as funding for the project has been approved and received.

INITIATING PROJECTS

Projects may be initiated by the adoption of the LRFMP, site requests, donations, and recommendations from staff.

After a project approval, initiating the project requires:

- Assigning a PM and PS.
- Assigning a project name to a proposed project.
- Verify CDS number for the project.
- Developing a project scope of work.
- Establishing a project budget.
- Determining DSA approval requirements.
- Selecting the appropriate construction delivery method.
- Determining the appropriate environmental review.
- Selecting the appropriate consultants.
- Establishing a project schedule.

PMs have been assigned territories or specialties such as cell sites, solar and fire alarms. Each PM should have a primary PS, however the need to balance workloads precludes the exclusive assignment of PM/PS teams. Unless there are workload issues or other circumstances, the DPC should assign the project to the PM and primary PS for that site or specialty.

SITE FUNDED FACILITIES ALTERATIONS REQUEST

Alterations or improvements to district sites and facilities will be submitted to the P&CD on form 3500 (see Exhibit 1). The request is reviewed by the DPC and Maintenance Manager for impacts on existing facilities and whether there are any building code related issues. Review by other departments such as Information Technology may be required. After all reviews are complete, a final determination for approval or denial will be made by the ASFO. If the project requires approval by DSA or needs the assistance of the P&CD, then it will be added to the CIP Status Reports and will be managed by the P&CD. Otherwise, the approved 3500 form is returned to the site for implementation.

PROJECT NAMING

The DPC and PM will meet to assign a project name (if one has not already been assigned). The project name will begin with the site name and is generally tied to the funding source (e.g. Mar Vista High

School Prop O Project 1). Official acronyms (see Appendix B) may be used on reports and requisitions, but the official title must be used on contracts and bid documents.

If there are multiple construction contracts for the project, then the bid document names should include the project name and the specific bid (sub-project or increment). For example, the Mar Vista High School projects (if there had been three projects instead of two) could have been named MVH Prop O Project 1 Building 100 Modernization, MVH Prop O Project 1 New ASB Building, and MVH Prop O Project 1 Title IX Improvements. On the other hand, if the Title IX project was added later (and it was) and was funded by project savings or other funding it could have its own name such as MVH Prop O Title IX. The PM will obtain approval of all sub-project names from the DPC.

This type of naming allows accurate grouping and tracking of project expenditures and adds clarity to the project information at DSA (particularly on DSA Project Tracker). The project name provides PM with a clear identifier for all of the various contracts and purchase orders initiated by the procedures and insures that all expenditures are assigned to an approved project budget. The DPC will approve all project names, budgets, and scope.

ESTABLISHING PROJECT SCOPE

Each project will have a site contact assigned which may be the principal, assistant principal in charge of facilities, department head or other staff member. Regardless of who is assigned to be the site contact, the site administrator (principal or department head) will need to approve the project scope.

On small projects the scope may be determined by the PM in conjunction with the site contact, site staff and users. The PM will review the preliminary scope with the DPC before meeting with site staff and users. After obtaining approval of the scope from the site administrator, the PM will present the final scope to the DPC for final approval.

On large projects, the type of project (e.g. modernization) and budget may have been established by the LRFMP and CIP Status Reports, however detailed scoping may be beyond the workload capacities or expertise of the PM. In such cases, detailed scoping and programming will be administered by the architect. For these projects, establishing project scope occurs after the project budget has been established and the architect has been selected.

For projects over \$10 million (and large projects under \$10 million at the discretion of the DPC) a series of program development meetings (including a public meeting) will be held with a committee (made up of staff, administrators, community members, teachers, students and parents) from each school site. This Site Committee will recommend and prioritize facility needs and desires for the project. The PM and architect will review the prioritized list for conformance with the LRFMP. Preliminary project budgets for individual needs and desires will be prepared by the Architect in order to assist the Site Committee with the prioritization process. After the project program is complete and the public meeting has been held, a final Site Committee meeting will be held to confirm that all issues have been addressed in the program. The PM and architect (if requested) will present recommendations to DPC and ASFO for approval.

On large projects, after approval of the program by the site administrator, the architect will prepare a Program Phase Report that defines the scope with the available budget for the project (i.e. the needs and functions of the user and the assignable square footage) to be submitted to the DPC for approval

prior to beginning Schematic Design. The PM will compare the Program Phase Report to the architect's agreement and prepare and process any amendments necessary to implement the approved program.

ESTABLISHING PROJECT BUDGETS

Project budgets will be determined on the basis of the initial scope of work and a comparison to historical data on prior projects, if applicable. The soft costs should not exceed 30 percent on typical new construction and modernization projects that include a FF&E budget. On projects without significant FF&E such as stadium lights or deferred maintenance projects, the soft costs should not exceed 25 percent. On small projects, the soft costs may exceed these guidelines because of design, inspection and DSA fees. The PM and PS must complete a Fund Request Form (Exhibit 2) for approval by the DPC and ASFO. The PM and PS may use the Budget Input sheet (Exhibit 3) to support the funding request. Fiscal Services uses both forms to input the budget into the DAS. The PS inputs the budget into the PMS.

On projects with sub-projects or increments, an accounting goal may be used to identify budgets and expenses for that sub-project, otherwise all project expenses will be charged to the main project.

The PM and PS need to be aware of any restrictions on funding when establishing the budget. For example, SFP CTE funds have specific FF&E lists with associated costs, and some grant funds (i.e. CBDG) must be used for planning costs and not construction or they will trigger Federal Davis-Bacon rules.

DETERMINING DSA APPROVAL REQUIREMENTS

Whether a project needs DSA approval depends on the size and scope of the project. The following table may be used to determine when DSA submittal and approval is required. The alteration or reconstruction thresholds are the limits for the year noted and the 2014 amount is escalated annually by DSA.

With concurrence from the DPC, the PM should direct the Design Professional to submit small projects such as scoreboards and marquees as an over-the-counter review as long as the DSA review is expected to take less than two hours. Over-the-counter review should be requested for small projects even if the type of project is not explicitly permitted by DSA policy. If the over-the-counter review is rejected, then DSA will process the application as a regular review.

Project Description	DSA Required?	Final DSA Submittal
Maintenance projects of any dollar amount that do not change the structure and do not increase the load on the structure (e.g. HVAC replacement for \$5 million that uses lighter equipment on existing curbs)	None, however, a meeting with DSA is recommended for any project that seems like it may need DSA review. DSA will give a verbal opinion on whether to submit or not. Never submit a DSA application for concurrence that the project is exempt (DSA-7).	None

Alteration or reconstruction projects less than \$40,268.17 (2014)	None	DSA 999 (kept by district)
Alteration or reconstruction projects between \$40,268.17 and \$161,072.67 (2014)	Exempt if an A/E certifies that there are no structural, FLS or access compliance issues.	DSA 999
All new construction and alteration or reconstruction projects greater than \$161,072.67 (2014)	Submit to DSA	Full DSA documentation
Projects that do not affect structural or FLS but do affect access compliance	Submit to DSA for Access only review	Full DSA documentation but project will not be certified.

SELECTING THE APPROPRIATE CONSTRUCTION DELIVERY METHOD

SUHSD will employ construction delivery methods that meet the needs of each project. The various contracting and delivery methods available are listed below. Although multi-prime contracting is a legal option, the burden imposed by managing and accounting for numerous contracts on a single contract and the change order limitations make this contracting method undesirable and it will not be used at this time. The following delivery methods are more fully described in Appendix C:

- Quotes or Proposals
- Formal Bid: Design-Bid-Build (DBB) (Education Code 17250.10 et. seq.)
- Design-Build (D-B)
- Alternate Project Delivery Methods (Government Code Section 6950-6958)

The PM and DPC will meet to determine the most appropriate procurement method for the project based on:

- Time Considerations
- Complexity and Size of the Project
- Type and size of contractors that you want to attract
- Budget constraints
- Openness to alternate methods
- Level of acceptable legal and financial risks

The ability to use the various delivery methods depends on the size and nature of the project. The table below describes when the various delivery methods may be used.

Construction Projects	Delivery Method
Projects under \$1,000	Are not public works projects and only quotes or proposals are needed in order to issue a purchase order. Three quotes are preferred but are not mandatory.
Projects between \$1000 and under \$8,000	Only quotes or proposals are needed in order to issue a purchase order. Three quotes are preferred but are not mandatory. Projects may also be bid.
Projects between \$8,000 and under \$15,000	Three quotes or proposals are needed or formal bid.
Projects above \$15,000	Formal Bid
Projects above \$1,000,000	Formal Bid or D-B

Personal Property (supplies, materials, apparatus, equipment, including Portables)	Delivery Method
All Contracts	As noted below; or with the approval of the Purchasing Manager: Use a piggyback bid from another public entity, or Use a CMAS bid.
Contracts and under \$8,000	Only quotes or proposals are needed in order to issue a purchase order. Three quotes are preferred but are not mandatory. May be bid.
Contracts between \$8,000 and under \$88,300	Three quotes or proposals are needed or formal bid.
Contracts above \$88,300	Formal bid.

Piggy-back bids Notes	
Piggyback includes incidental installation (less than 10 percent of the total cost) and installation was included in the bid.	Ok to use Piggyback bid for purchase and installation.
Piggyback installation exceeds 10 percent of total cost and piggyback plus separate installation cost is between \$15,000 and \$88,300	Installation must be bid even if installation cost is less than \$15,000.

DETERMINING THE APPROPRIATE ENVIRONMENTAL REVIEW

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

All project need to be reviewed for compliance with the CEQA (Title 14, Section 15000, of the California Code of Regulations). Detailed guidelines are available at www.ceres.ca.gov/ceqa/guidelines. Projects will fall into one of the following categories:

- Statutorily Exempt
- Categorically Exempt
- Require and Environmental Impact Study (EIS) which results in one of the following:
 - A Negative Declaration (ND)
 - A Mitigated Negative Declaration (MND)
 - An Environmental Impact Report (EIR)

The Superintendent, Chief Financial Officer (CFO), ASFO and DPC have been authorized to prepare and file a Notice of Exemption (NOE) for projects that are statutorily or categorically exempt. They have also been authorized to prepare and conduct initial studies and other preliminary assessments for projects that are not exempt and also to prepare or cause to be prepared negative declarations or mitigated negative declarations. If a project needs an EIR, then a consultant will be employed to run the EIR process and prepare the EIR.

The PM will review the project scope with the DPC to determine the level of environmental review needed. For exempt projects, the PM will prepare an initial study and review it with the DPC. The PS will prepare the NOE for approval and signature by the DPC or ASFO. The PS will file the NOE with the County and State Clearinghouse.

All final environmental documents (initial study, NOE, ND, MND and EIR) are permanent documents and will be filed in both the physical and electronic archives.

DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC)

DTSC has jurisdiction over new school sites. A consultant will need to be selected to perform a Phase 1 assessment, which reviews the historic nature of the site and the potential for the existence of hazardous materials. If indicated, a Phase 2 assessment and a Preliminary Environmental Assessment (PEA) may be required. Because acquiring new school sites is not a common occurrence, the PM and DPC will review the current requirements at the time needed and the district will issue an RFQ or RFP for any services needed.

ASBESTOS

Almost every existing school site built prior to 1980 will have asbestos containing materials on site. The Risk Management Department is the custodian of the AHERA reports. On modernization and alteration projects, the PM will review the scope of work with Maintenance and Risk Management to assess the potential for disturbing asbestos containing materials. If such a potential exists and recent test reports are not available, the PM will select a Hazardous Materials firm to test the appropriate existing materials. Typically, asbestos is found in roofing, stucco (exterior plaster), window caulking, flooring (typically 9"x9" tiles and mastic) and boiler system insulation and pipe lagging. Unless damaged, this asbestos is not hazardous.

SELECTING THE APPROPRIATE CONSULTANTS

After the preliminary scope of work for the project is known, the PM can determine the appropriate consultants for the project. Consultants may be selected from the pre-approved list maintained by the Purchasing Department at the following web page:

<https://drive.google.com/file/d/0B9zm6GSINUBYZm9wWkZvMUtTNXM/view>

Consulting contracts should be negotiated and agendized for BOT approval prior to the services being needed. If necessary, new consulting contracts for pre-approved consultants may be ratified with prior approval from the DPC or ASFO if the total fees for that consultant in the current fiscal year will not exceed \$200,000.00. Contracts that are approved rather than ratified do not have a dollar limit. If a consultant is not on the pre-approved list, then that contract must have prior BOT approval and may not be ratified. See **Processing Contracts** above for professions that require qualifications based selection.

Following is a list of typical consultants for major projects. See Appendix D for a more detailed description of services provided. Some consultants are required to be selected through a quality based selection process and are noted “(QBS)” (Government Code Section 4525 et. seq.). Construction Managers require QBS but are not used by SUHSD at this time. The pre-approved consultant list was prepared using QBS. If a consultant is not on the pre-approved list and is required to be selected through a QBS process, then an RFQ will need to be issued for that firm to be qualified. See Appendix E for the QBS Process.

- Design Professional (QBS)
 - Architects
 - Engineers (Civil, Structural, Electrical and/or Mechanical)
 - Landscape Architects
- Environmental Consultant (QBS)
- Land Surveyor (QBS)
- Soils Testing Firm
- Utility Locator Firm
- Scheduler
- Estimator
- Inspector of Record (IOR) (this contract must be held by the District even in Design-Build or vendor funded projects such as cell towers)
- Special Inspector
- Materials Testing Firm (cannot provide the IOR)

CONSULTANT CONTRACTS

- The PM will review the pre-qualified consultant list and select at least three firms (if available) for each consultant needed. PM to provide justification if only one consultant is recommended based on prior work or expertise.
- The PM will review the selected firms with the DPC.
- PM Obtains proposals from the selected firms using Proposal template (PM).
- Review the scope of services and price (PM).
- Review required insurance documents (PS).

- Recommend best value for services (considering both total cost and hourly rates) for approval by DPC (PM).
- Negotiate the final price (if needed) (PM).
- Under \$5k contract is PO + Proposal (if District template); If not on template, then reference to proposal must exclude any indemnity clauses (or other unacceptable clauses).
- Prepare the contract for over \$5k (PS as directed by the PM).
- Enter the contract commitment in the PMS (PS).
- Generate the contract approval sheet from the PMS (PS). (amendment only)
- Prepare the BOT agenda item (PS). Include the following for pre-approved consultants:
 “Contracting with pre-qualified consultants for as-needed professional services through August 31, 2018 was approved by the board of trustees on August 19, 2013, board agenda Item N-6.”
- Prepare a budget adjustment form if necessary (PS).
- Prepare the Purchase Requisition (PS) using Prop O or Prop BB PO numbers for Prop O & BB projects (PS).
 - Prop O:
 - Receive insurance, fingerprinting, signed board approved agreement (or draft ratification board item), pricing document (cross out indemnification or legal jurisdiction).
 - Assign SF PO number.
 - Generate Req. (attach all of above and include email address of vendor).
 - Non-Prop O
 - Generate Req. (attach proposal cross out indemnification or legal jurisdiction) include email address of vendor signed board approved agreement (or draft ratification board item) DO NOT INCLUDE INVOICES.
 - Purchasing obtains insurance, fingerprinting (PS may provide this info to expedite processing).
- Purchasing processes the Req. into a PO.
 - TrueCourse generates the Purchase Order (pdf).
 - Purchasing emails or fax copy to vendor if PO is the only contract. PO is not sent to vendor if a consulting contract is used.
 - Purchasing emails copy to PS.
- Send signed contract and BOT item to consultant (PS). (Exhibit 9)

CONSULTANT CONTRACT AMENDMENTS

Consultant contract amendments exceeding \$200,000.00 must have prior BOT approval. The CFO, ASFO and DPC may approve amendments up to \$150,000 per amendment and the Superintendent may approve amendments up to \$200,000 per amendment (Exhibit 4). There is no cumulative limit on consultant contract amendments. Amendments that exceed \$1,000.00 must be ratified by the Board.

The PM and PS will:

- Evaluate need for contract amendment (PM).
- Receive and evaluate proposed contract amendment (PM).
- Negotiate the contract amendment with the consultant (PM).

- Obtain approval from the DPC (PM).
- Enter the contract amendment in the PMS (PS).
- PMS generates the contract amendment documents (PS).
- Documents routed for approval signatures (PS).
- Process the contract amendment for BOT approval or delegated approval and BOT ratification (if required). Include reference to the original contract approval date, amount and BOT item number in the agenda item and Purchase Order Adjustment (PS).
 - “The original contract, in the amount of \$xxxxx, was approved by the board of trustees on MMM DD, YYYY, board agenda Item X-X.”
- Obtain updated insurance certificates if expired (PS).
- PMS generates the Purchase Order Encumbrance Adjustment form (PS) include board approval or draft board ratification item, and signed contract amendment form, and pricing document (cross out indemnification language or legal jurisdiction) DO NOT INCLUDE INVOICES.
 - Truecourse generates revised PO.
 - Purchasing emails revised PO to PS.
 - Purchasing emails revised PO to vendor (non-Prop O).
- Request a budget adjustment if necessary.
- Route Purchase Order Encumbrance Adjustment form to DPC and accounting for approval (PS).
- Send approved amendment and BOT item to consultant (PS).
- Purchasing sends PS the revised PO.

CONSULTANT CONTRACT INVOICING

After the contract has been executed and a purchase order has been issued, the consultant may invoice for services rendered. See Appendix F for the consultant contract invoicing process.

LEGAL SERVICES

Contracts for legal services for the P&CD will be managed by the Legal Services Division. The ASFO and/or the DPC arrange for needed services through that office and review invoices provided by that office. Support services needed by attorneys (such as discovery and document services) will be contracted by the P&CD as consultants.

ESTABLISHING THE PROJECT SCHEDULE

Unless waived by the DPC, the PM will develop a preliminary baseline schedule that includes:

- Programming and Planning Phase
- Design and Agency Review Phase
- Bid and Award Phase
- Construction and FF&E Phase
- Closeout Phase

During the Programming and Planning Phase, the PM will expand the schedule to include all major activities for the project. Activity durations and relationships between activities will be identified and input into MS Project by the PM. The schedule will help provide advance notice of scheduling impacts

that could delay completion. This will allow the PM to develop potential alternatives to ensure significant effort is given to achieving the desired completion date. The PM is responsible for the accuracy and timely updating of project schedules and disseminating the information to DPC. A Master Schedule will include roll-up information from all projects within the department. This will provide a department level view of all projects and support cash flow analysis. A major revision of the project construction schedule may occur at the beginning of the construction phase when the contractor develops a construction schedule based on their selected means and methods. The contractor is required by contract to provide a detailed schedule to the District three weeks after Notice to Proceed is issued. During mobilization and construction, the PM will monitor the progress of their projects and communicate updates and milestones on a monthly basis.

V. DESIGN AND AGENCY REVIEW

SUMMARY OF DESIGN PROCESS

The design process is the refinement of a concept from schematic design into construction documents that are used to build the project. This refinement is done in a series of phases. With each phase, there are decisions made and directions given that allow the Design Professional to refine and complete all of the documentation that describes the design. The Design Directives should be followed without exception in less waived by the ASFO for just cause.

The PM will organize an inclusive Design Review Process, so that each end user, school site and department affected by construction has a voice and reviews the various submittals at appropriate milestones of the design process. This requires the PM to route the documents to the site committee, Maintenance Department, Information Technology (IT) Department and other departments as needed such as Educational Technology, Nutrition Services and the Visual and Performing Arts (VAPA) departments. Each reviewing group must have adequate time to review, sign the documents and make comments if they have any, before returning them to PM. The PM will review and proposed changes to the scope of work with the DPC unless waived. The PM will forward the comments to the Design Professional.

To assist PMs during project design and agency review. (See Exhibit 10)

SCHEMATIC DESIGN

Schematic design is the first phase of basic services for project design. Various site surveys will be performed prior to the beginning of the design work. At this stage in a project, the Design Professional describes the project three-dimensionally. A range of alternative design concepts will be explored to define the function, scale and aesthetic character of the completed project.

The architect will conduct specific design consultations and reviews with individual school departments involved with the Programmed design scope (i.e. science department, computer lab, etc.).

The Green Building requirements of Board Resolution 3794 adopted in 2008 have largely been adopted by the State of California in the 2016 California Energy Code (California Code of Regulations, Title 24, Part 6) and new projects shall comply with that code. The design professional will consult with SDG&E to review potential grants and rebates for programs such as "Savings by Design".

The Design Professional will prepare a Basis of Design Document that includes a description of the project site, architectural design, building, and type of construction including the structural system, materials, finishes, and systems as well as a strategy for dealing with special conditions, subsurface conditions, and substructure. The design will identify all special systems including mechanical, energy management, electrical, security, and information. Points of connection to existing mechanical, electrical, fire alarm, communications, security, and civil systems will also be identified.

The Design Professional will create a baseline cost estimate within the budget established for the project. The Design Professional must immediately notify the PM if the approved program exceeds the approved budget. The process will not proceed into design development unless the project estimate is within budget. These estimates are important for determining overall funding requirements. The District will use these estimates for securing project funding. If the estimate exceeds current year availability of funds, then projects may need to be re-scoped or rescheduled and new funding accounts prepared.

The Design Professional will update (or create) the project schedule that includes the timing and dependencies for completing all aspects of design. The schedule should address all phases of design including State Agency applications and approvals, utility rebate and incentive program submissions and reviews.

The Design Professional and PM will review all existing buildings on the campus to determine if any uncertified buildings or projects exist.

- Uncertified portables may be moved to a new site with a new foundation and ramp as long as the in-plant inspection verified reports are available. After being moved to a new site, the previously uncertified site can be voided by DSA.
- Uncertified projects may be certified by alternate methods approved by DSA as long as the verified reports (DSA-6 forms) are available from the IOR. Reports from the Design Professional and contractor(s) are desired but not mandatory for older “legacy” projects.

Upon completion of schematic design, the Design Professional submits deliverables for final approval, which documents and quantifies the project scope, schedule, and budget elements. The PM and Design Professional will participate in the Design Review Process described at the beginning of this section. After the schematic design submittal has been approved by the DPC, the “Schematic Design Phase Approval Letter” letter is issued to the Design Professional authorizing the next design phase of work to begin.

Environmental reviews and soils testing should be completed during this phase if they have not been completed already.

DESIGN DEVELOPMENT

During the design development phase, the project design is further refined. Plan arrangements, specific space accommodations, equipment and furnishings, building design, materials and colors, and complete definition of all systems serving the project are developed. All design decisions will be completed during this phase in order to prepare the subsequent construction documents.

An energy analysis of the project is to be prepared during the design development phase as required by applicable sections of the California Energy Code. Additionally, the required documents and studies to qualify the project for applicable utility rebates and incentives for energy efficient facilities will be prepared. An estimate of points earned under CHPS and will be compared to the goals adopted by the BOT

The Design Professional will update the estimate of project construction cost based on the completed design development documents. The cost estimate will include a breakdown of costs for all building

components including foundations, structure, mechanical, electrical, plumbing, communications, exterior utilities, furnishings, interim housing, temporary barriers, landscaping, fencing, site work, etc. The Design Professional will compare the estimate with the approved construction budget and provide an analysis of any variances. If the probable construction cost exceeds the approved budget, then the next phase of design cannot begin until the design is revised to be within budget or a budget amendment is approved (see Financial Controls in the Project Controls section).

For all projects with an estimated construction cost in excess of \$5M, the PM will select a cost estimating firm to create an independent construction cost estimate based on completed design development documents. If the two cost estimates are substantially different, the two will be compared to identify omissions, duplications, etc. Significant variances will be reconciled to the mutual satisfaction of both the Architect and the PM prior to submission to the DPC for approval.

The Design Professional will prepare an updated project schedule that includes the timing and dependencies for completing all aspects of the project. The schedule should address all phases of design including State Agency applications and approvals, utility rebate and incentive program submissions and reviews, as well as a construction schedule providing for all components of the work including demolition, phasing of construction, interim housing, coordination with school activities and functions, startup and testing, commissioning, move in, and the occupancy requirements of the District.

Preliminary plans will be submitted to California Department of Education if required.

Upon completion of design development, the Design Professional submits deliverables for final approval, which documents and quantifies the project scope, schedule, and budget elements. The PM and Design Professional will participate in the Design Review Process described at the beginning of this section. After the design development submittal has been approved by the DPC, the "Design Development Phase Approval Letter" letter is issued to the Design Professional authorizing the next design phase of work to begin.

CONSTRUCTION DOCUMENTS

The construction document phase consists of preparing detailed drawings and specifications that establish the requirements for the construction of the project. The construction documents describe the quality, configuration, size, and relationship of all components to be incorporated into the project. Construction documents must be consistent with the project program, the construction budget, and the project schedule. Interim housing planning begins and must be submitted with the 50 percent review submission.

The Design Professional will use the new CSI Masterformat for the specifications. The PS will edit the SUHSD standard front-ends (Divisions 0 and 1) based on the bidding schedule and the PM's edits. The PM will review any special or supplementary conditions. The PM will review all edits with the PS.

The Design Professional will submit construction documents to the PM for review at 50 percent completion. The PM and Design Professional will participate in the Design Review Process described at the beginning of this section. Constructability analysis is required for all projects with an estimated construction cost in excess of \$1M. The review is to be performed on the 50 percent set of construction

documents. The Design Professional will incorporate all resulting changes into the documents and submit to the PM for review and written approval prior to submittal to DSA.

The Design Professional will update the estimate of probable construction cost and will review the project with the PM to determine whether allowances should be incorporated into the project. The Design Professional will compare the estimate with the approved construction budget and provide an analysis of any variances. If the probable construction cost exceeds the approved budget, then the next phase of design cannot begin until the design is revised to be within budget or a budget amendment is approved (see Financial Controls in the Project Controls section).

After submittal of the 50 percent review set, the PM and Design Professional shall review the testing and inspection (T&I) requirements that are anticipated for the project. Based on the scope of T&I needed, the PM will use the consultant selection process described earlier.

At least one month before the expected submittal to DSA the Design Professional will submit a draft DSA-1 form to the PM. The PM will request a project tracking number (PTN) from the PS or DPC who will obtain the PTN from the OPSC website. The PTN will be added to the draft DSA-1. The PS will request a warrant DSA fees based on the Draft DSA-1 form through the normal purchase order process. The PM will transmit the approved draft DSA-1 form back to the Design Professional. The Design Professional will provide an electronic copy of the DSA-1 form to the PS for filing.

The Design Professional will submit the construction document package (considered the 95 percent set) to the PM for review and to DSA for review and approval.

AGENCY REVIEW

During agency review period, the PM and Design Professional will participate in the Design Review Process described at the beginning of this section.

During agency review the PS will obtain the bid number from the Purchasing Department and transmit to PM and Design Professional. The Design Professional will add the bid number to the bid documents (title pages, footers, etc.).

During agency review the PM and Design Professional will meet and determine the following information needed for bidding.

- The type of contractor's license required to perform the work. The type of license must be included in the Notice to Contractors Calling for Bids and on the plans (Public Contract Code section 3300).
- Whether additive or deductive items will be included in a bid. If included, the bid documents must state how the lowest bidder will be determined. In the absence of such specification the lowest bid will be the lowest bid price on the base bid without consideration of the prices on the additive or deductive alternates.
- Whether allowances will be included and whether unit prices are required for allowance items.
- Whether unit prices will be required in the base bid. If so, then the PM will specify a number of units in order to determine the lowest bidder.

- A statement regarding a no guarantee of award regarding the unit costs should be included if the District does not intend to include the unit costs in the initial award of contract.

The Design Professional will review the DSA comments with the PM. Any significant comments will be reviewed with the DPC. After all review comments have been reconciled and incorporated into the documents the PM will attend all DSA back-check appointments but need not stay for the entire appointment.

The Design Professional will obtain the original and scanned copies of the DSA approved plans and specifications and will transmit the electronic versions to the PS along with the original word documents.

The District has negotiated and executed a Memorandum of Understanding (MOU) with DSA for the first round of Prop O projects greater than \$5 million. Although the MOU has expired and will not be renewed, quarterly meetings will still be held to resolve issues and keep open communications between SUHSD staff and DSA staff. These meetings will be attended by the DPC and ASFO.

After DSA approval the Design Professional will update the estimate of probable construction cost based on any final changes required by DSA. The Design Professional will compare the estimate with the approved construction budget and provide an analysis of any variances. If the probable construction cost exceeds the approved budget, then the next phase of design cannot begin until the design is revised to be within budget or a budget amendment is approved (see Financial Controls in the Project Controls section).

Other agency approvals will be finalized at this time including but not limited to San Diego Gas & Electric (SDG&E), local water authorities, local fire departments, California Department of Education (CDE), Office of Public School Construction (OPSC) (if applicable).

VI. BIDDING AND AWARD

Bidding and award procedures are strictly governed by state law and district policies. The PM and PS will follow procedures established by the Purchasing Department. This section will review the procedures for the three primary construction delivery methods: Design-Bid-Build (DBB), Lease-Leaseback (LLB) and Design Build (D-B). LLB and D-B are alternative methods to traditional bidding.

DESIGN-BID-BUILD

A bid package consists of the approved drawings and specifications (front end and technical specifications). The bidding and award process has the following major steps (see Appendix G for detailed tasks):

- Prequalification of bidders (if required),
- Initiating the bid process,
- Bid Period,
- Bid Opening,
- Bid Review, and
- Award

PRE-QUALIFICATION OF PROSPECTIVE BIDDERS

The BOT has adopted a policy requiring the prequalification of general contractors for projects that exceed \$1 million. (Exhibit 5). The Purchasing Department is responsible for the pre-qualification process that includes the RFQ, pre-qualification forms, receiving and scoring the forms, and establishing the list of pre-qualified contractors.

Effective January 1, 2014, the district must also pre-qualify general contractors and mechanical, electrical and plumbing subcontractors on projects greater than \$1 million dollars if a project uses or will use State school bond funds. The Purchasing Department is responsible for the pre-qualification process that includes the RFQ, pre-qualification forms, receiving and scoring the forms, and establishing the list of pre-qualified contractors.

INITIATING THE BID PROCESS

The process includes:

- The PM, PS, and Purchasing Department meet to establish dates for advertising, the job walk, questions deadline, pre-qualification deadline, and bid opening date and BOT approval date.
- PS completes the Request for Bid form (Exhibit 6) and obtains approvals from the PM, DPC and Purchasing Manager.
- The PS sends the Request for Bid form to the Design Professional who will insert the appropriate data into the bid package. (In some cases, the PS inserts the data into the bid package front ends).
- The PS reviews the bid package to ensure that all information listed in the table of contents or index is included in the bid documents.

- The PS uploads the bid package into DemandStar (the Purchasing Department bidding website)

BID PERIOD

The process includes:

ADVERTISING

The PS inserts the bid information into the advertisement template. The Notice to Contractors Calling for Bids will contain the following:

- Project name.
- Location of work.
- Date and time of the bid opening, if different from the date and time for closing of submission of the bids.
- Estimated cost or range
- Duration of Scope of Work in calendar days.
- Scope of work.
- Location where documents can be obtained for bidding.
- Method of obtaining or requesting bid documents.
- Date, time and location of a pre-bid conference (job walk)
- Date, time and location of the mandatory pre-bid conference. This conference must not occur within five calendar days of the publication of the initial notice. (Public Contract Code Section 6610).
- Contractor's license required for the work (Public Contract Code Section 3300). The license required must also be specified in the plans.
- Advertising dates.

The PS places the advertisement and notifies pre-qualified bidders.

PLAN HOLDERS

Potential bidders (plan holders) must obtain bid documents from the DemandStar webpage for SUHSD projects. Potential bidders may obtain bid documents from other plan houses, but they must still use DemandStar in order to be an official plan holder.

MANDATORY JOB WALK

The mandatory job walk is held primarily to answer questions regarding the project's scope of work. The mandatory job walk is required for all projects. Minutes and agenda are not required; however, an attendance sign-in sheet will need to be completed and business cards collected. The mandatory job walk is conducted by the Purchasing Department, PM and includes the Design Professional. Purchasing staff will ensure that all attendees sign their name, company and telephone number.

ADDENDA

All questions by potential bidders will be submitted to the Purchasing Department. The Purchasing Department will forward the question to the PM who will review it with the Design Professional. Any response from the Design Professional or PM must be in the form of an addenda. After approval of the addenda, the PS will upload to DemandStar (and DemandStar automatically notifies plan holders that the addenda is available).

If an addenda is issued with any material changes, additions, or deletions less than 72 hours before the bid submission deadline, the deadline must be extended by no less than 72 hours after the addenda has been issued. "Material change" means a change with a substantial cost impact on the total bid as determined by the awarding agency (Public Contract Code Section 4104.5).

BID RECEIPT AND OPENING

All bids will be received and opened by Purchasing Department staff. The PM and PS will attend the bid opening. The PS will tabulate the bids. The PM will notify the DPC and ASFO of the apparent low bidder.

BID REVIEW AND EVALUATION

Construction contracts must be awarded to the lowest responsive and responsible bidder. The term responsive refers to whether the submitted bid complies with all the requirements of the bidding documents. The district has the discretion to waive immaterial inaccuracies in the bid submission (e.g., the bidder failed to acknowledge all addenda, but evidence in the rest of the bid indicates that all addenda were received). The term responsible refers to whether the contractor submitting the bid is demonstrably capable of fulfilling the terms and conditions of the contract and performing the work. Making the determination that a contractor is not responsible requires a public hearing and contractors will fight such a determination because that determination can be used by other public entities to bar that contractor from bidding public work.

During bid review, any discrepancies in the bid documents will be noted only on copies of the bid(s). No marks or comments may be made on the original bid(s) as received.

The PS will verify the completeness of the bid submittal (are all the required documents in the package and have all the required blanks been filled in)

The PS will verify that the licensing of the apparent low bidder meets the requirements of the bid by accessing the California Contractors State License Board, <http://www.cslb.ca.gov/>. Any contractor or subcontractor not holding a valid license will need to be investigated to ensure that the license has in fact expired or the contractor/subcontractor was debarred. No debarred contractor or subcontractor can be awarded a public works contract.

The PS will verify that the apparent low bidder and all listed sub-contractors are registered with DIR.

For projects that exceed \$1 million, the PS will verify that the apparent low bidder and designated sub-contractors are pre-qualified.

The PS will review all submitted bonds to verify original signatures are present and will verify the insurance carrier is admitted in California. Notify the Purchasing Manager or Contracts Manager and PM of any discrepancy.

The PM will review the apparent low bidder and will notify the DPC and Purchasing manager if there is any indication that the bidder is non-responsive. If the bid is within budget, the PM will obtain approval from the DPC to proceed with awarding the bid. If the bid is higher than the approved budget or project cost estimate, the PM will meet with the DPC to select one of the following actions:

- Reject all bids, and re-advertise same bid package.
- Reject all bids, and redesign.

- If the low bid is more than ten percent higher than the approved cost estimate the Design Professional will need to redesign the project at no cost to the district (this is a standard clause in architectural contracts but may not be in all design contracts).
- If the low bid is not more than ten percent higher than the approved cost estimate and the decision is made to redesign, then additional fees will need to be negotiated for the Design Professional.
- Accept low bid and increase the project budget.

If the decision is made to reject all bids, the Purchasing Manager will issue a letter to all bidders informing them of the rejection and the PS will process a board agenda item to reject all bids.

AWARD OF BID

Awarding a contract to the apparent low bidder includes the following:

- Prepare a board agenda item for approving the bid (PS). If the construction contract needs to start before board approval can occur, then the contract may be ratified with the approval of the ASFO.
- The Purchasing Department may notify all bidders of the status of the bid and bid results to all bidders.
- Prepare and issue Notice of Intent to Award (NOI) (PM & PS).
- Receive and review all contract documentation (agreement, bonds, insurance, fingerprinting, and certifications) (PS & PM).
- Review insurance and verify the insurance carrier is admitted in California (PS).
- Prepare the purchase requisition (PS).

The following tasks do not occur until after BOT or ASFO approval:

- Sign contract (ASFO).
- Issue Purchase Order (Purchasing).
- Prepare the Notice to Proceed (NTP) for signature by the DPC (PS).
- Issue NTP and send signed contract to contractor (PS).
- Notify the Department of Labor (PWC-100) (PS).

DESIGN-BUILD

Design-build (D-B) contracts are procured through a Request for Proposal (RFP) process (Education Code section 17250.10 – 17250.50). An overview of the process is as follows:

- BOT authorizes staff to proceed with the D-B process for a specific project.
- Employ an architect to prepare design criteria documents. These documents describe the general nature of the project (the program) and can vary from a simple written description of the program to design development drawings. A balance needs to be reached to describe enough program without hampering the creativity of the design team by having bridging documents with too much design and detail already completed.
- Pre-qualify D-B entities
 - Prepare and issue a D-B RFQ.
 - Receive, review and rank the D-B entities.

- Create a list of three to five pre-qualified D-B entities.
- Prepare and issue a D-B RFP to the pre-qualified entities.
- Receive the proposals.
 - The cost proposal shall be submitted in a separate sealed envelope from the rest of the submittal. The purpose is to allow a review of qualifications without knowing and being influenced by the cost proposal.
- D-B entities present proposals to the review committee.
- Review committee scores and ranks the proposals.
- Review committee then opens the cost proposals and considers them in ranking the D-B entities.
- Select the most qualified D-B entity.
- Negotiate the final price (if applicable).
- Board approval.
 - Resolution containing findings.
 - Contract award agenda item that includes: name of the contractor, price, overall combined rating on the RFP evaluation factors, where the contractor ranked in relation to all submittals, and a summary of the rationale for selecting the contractor.
- Process contract.
- Notify the Department of Labor (PWC-100) (PS).

VII. CONSTRUCTION ADMINISTRATION

The P&CD acts as the Districts representative and is responsible for managing all aspects of construction administration (CA). It is imperative that the P&CD be judicious with the taxpayer's dollars while managing the individual projects. This section defines the construction administration process and procedures.

CA TEAM MEMBERS

- The PM is the designated representative of the district and has primary responsibility for communicating with the Contractor(s). The PM will handle all matters relating to the contract within the limitations set forth in this manual and the contract documents. The PM will work with the Contractor in a professional, cooperative, and business-like manner. Absolute integrity will be maintained. Fraternization with the Contractor's staff is discouraged. The acceptance of gifts or favors from Contractors is strictly forbidden. All contacts will be made with the authorized representatives of the Contractor, and not with subcontractors or vendors. The PM will not give direction to any subcontractors. The PM reports to the DPC.
- The DPC is responsible for overall management of the capital facilities program. The DPC has the authority to approve and sign change orders up to \$50,000 (see Exhibit 4). The DPC reports to the ASFO.
- The ASFO reports to the Superintendent and has authority to sign contracts of any amount (Exhibit 7) and change orders up to \$50,000 (Exhibit 4).
- The site contact is the site staff member designated to be the primary point of contact during construction. This person may be the principal, assistant principal in charge of facilities, department head or other staff member assigned by the principal or department head. The site contact is responsible for communications with the site staff.
- The Design Professional of record or designee will be the primary contact for the design firm and will be responsible for the duties outlined in the consultant contract.
- The project inspector (IOR) is responsible for ensuring that all code-prescribed inspections and administrative duties are completed, including supervision of assistant inspectors and monitoring of special inspectors. The consulting contract is with the district but the IOR acts under the direction of the Design Professional. (DSA IR A-8).
- An assistant inspector (if required) is responsible for providing inspection and administrative assistance to a Class 1 project inspector. The consulting contract may be with the district or with the IOR.
- A special inspector (if required by code) is responsible for inspecting specific aspects of the project such as structural steel welding, soil compaction or masonry construction. The consulting contract is with the district.

- The testing firms are responsible for testing construction materials (including soils and fill material) used on the project.
- The DSA Field Engineer is the DSA point of contact during construction and is responsible for periodic visits to the project to assure that DSA procedures are being following.
- The contractor's superintendent is responsible for the day-to-day construction activities and is the primary point of contact for the contractor unless otherwise noted.

GENERAL RESPONSIBILITIES OF THE PM

- Assure that the contract is administered in a fair and equitable manner and all contractual actions are accurately and completely documented.
- Act as liaison with the site staff and other departments.
- Act as liaison with the DSA Field Engineer, utility companies, public agencies, and other governmental authorities whose facilities are affected by the project.
- Assuring that the Design Professional and IOR document the Contractor's work for compliance with the plans, specifications, and contractual provisions for the project.
- Updating project progress reports at the P&CD project meetings and as-requested by the DPC.
- Monitoring reviews, approvals, and tests as required by the specifications and contract documents.
- Provide guidance to the Design Professional in the interpretation of the contract drawings and specifications, when clarification of the owner's intent is needed.
- Assure that the IOR and Design Professional reject work which is not within contractual quality or which otherwise fails to meet other contract requirements.
- Stopping work only in the event that imminent danger to personal safety or property is identified.
- Reviewing the contractor's pay application and recommending approval to the DPC.
- Reviewing change order requests, negotiating change orders and recommending approval to the DPC.

DSA BOX

All members of the CA team will use DSA Box for DSA required documents and job cards.

CONTACTS WITH THE PUBLIC AND MEDIA

Most SUHSD projects will draw the interest and attention of the public. It is essential that the PM conduct themselves in a manner that will encourage the respect and confidence of the public. All contacts with the public will be courteous and responsive. Questions by the public of a detailed nature, requests for public presentations, and items of a similar nature will be referred to the DPC. Complaints by the public regarding any aspect of the contract will receive immediate attention. In the event the response does not fully address the complaints, the matter will be pursued by the PM until an adequate explanation can be provided.

Contact with the media should be in strict conformance with the SUHSD contact policy. All media contacts will be referred to the Director of Grants and Communications. No CA team member shall discuss the project with the media without permission from the Director of Grants and Communications.

CONCERNS AND COMPLAINTS

It is extremely important to conduct construction operations in such a way as to obtain the cooperation and satisfaction of the public and the site. The PM will assure enforcement of the contract requirements related to noise and other disturbances. Generally, concerns or complaints will be based upon the following types of occurrences:

- Noises
- Vibrations
- Wet conditions
- Dusty conditions
- Obstructions
- Unsafe conditions
- Trash accumulation

In the event of a complaint, the PM will respond to the complaint promptly, will work to resolve the issues and report the circumstances to the DPC. Complaints from the public will be reviewed with the Risk Management Department before a response is given because sometimes the response will need to be that the complainant is given a claim form to file against the district.

PHOTOGRAPHS AND VIDEO RECORDINGS

The PM will obtain adequate photographic and/or video records of the progress of each project. Major projects will have a site camera with streaming video accessed over the district web page. The photographs and video recordings will be dated, properly identified, and filed. This documentation will cover the following:

- Unusual construction techniques
- Accidents or damages
- Unsafe or hazardous working conditions
- Job visits by special visitors
- Areas or activities where claims or changes are anticipated
- General Construction Progress

The PM will provide progress photographs for monthly reports and presentations.

Photographs and video shall not include the faces of any student without the written permission of the student's parent or guardian. Any photos or videos that contain students must be reviewed and approved by the Director of Grants and Communication before any public use or posting on the internet.

COMMUNICATIONS

To the greatest extent possible, communications should be generated within the current PMS, Prolog. Communications not generated by the PMS (such as email) shall be loaded into the PMS. Hard copy communication or documents, including hand-written documents, shall be loaded into the PMS.

All communications between CA team members shall be copied to the PM.

All communications with the site staff, students, and other district staff shall be routed through the PM unless prior permission or direction for direct contact is given by the PM. Communication with the public and media has been addressed in another section.

All inspection communications will go through IOR. This includes but is not limited to assistant inspectors, special inspectors, material testing firms, etc.

ORAL COMMUNICATIONS

None of the parties shall rely on oral communications. All final decisions shall be rendered in writing so that they are enforceable.

WRITTEN COMMUNICATIONS

The majority of written communication will be handled through the PMS and e-mail. However, hand written communications are acceptable if legible, in proper form if complete. It should be noted that hand written communication is to be done only under exceptional circumstances. Any communication with State Agencies will be formalized in letter form or by other methods provided by that agency.

SNAIL MAIL AND DELIVERIES

Correspondence by US Mail and deliveries by UPS, FedEx or other companies should be addressed to the PM at the District Office address. The PM will give the original to the PS for scanning and filing. The PM may keep a local copy or scanned copy for use in creating a response if a response is required.

TELEPHONE CONVERSATIONS

Important telephone conversations always take place on a project. These telephone conversations should be followed up with an e-mail to record pertinent items and decisions discussed for each telephone conversation taking place. Any misunderstanding can then be brought to the attention of the initiator and a revised e-mail issued.

PROJECT MEETINGS

Formal meetings will have a prepared agenda approved by the PM. Meeting minutes will be taken by the consultant in the PMS.

Project meetings will be held weekly unless the PM agrees that the amount of work in progress justifies less frequent meetings.

Project meetings are attended by the PM, Contractor, IOR, Design Professional and Site Contact. The purpose of the meeting includes the following:

- Review the schedule.

- Review a three-week look ahead schedule.
- Review progress on the project.
- Review any issues raised by the IOR or Design Professional.
- Review of Submittal Log
- Review Request for Information (RFI) Log
- Review Potential Change Order (PCO) Log
- Review any issues raised by the Site Contact.
- Review the draft payment request (monthly).
- Assign responsibility to the appropriate team member where needed to resolve issues raised at the meeting.

During the course of a project, the PM will attend and initiate various meetings and may issue meeting minutes. It is imperative that comprehensive minutes be recorded during each meeting. The transcribing of the meeting minutes should take place within one or two days of the meeting. After review, these meeting minutes should be distributed to all parties in attendance at the meeting by email or the PMS. At the bottom of all meeting minutes, the following sentence should be included, "Please submit any correction, revision, additions or deletions within 48 hours; if none, the meeting minutes will be filed as sent."

CONTRACT DOCUMENTS

The PM will be furnished a complete set of contract documents (specifications and drawings [half-size if requested by the PM]) including addenda for each assigned project. The Contractor will receive additional copies of specifications and drawings as stipulated in the contract. The PM will verify that the Contractor has up-to-date-drawings and specifications and will verify that the contract documents have been distributed to the appropriate CA team members.

If questions, discrepancies, omissions, or conflicts arise to the contract drawings or specifications, and clarification or correction is required, the PM will direct these items to the Design Professional for resolution. If legal interpretation is required for any provision in the contract documents or for a situation that arises, the PM will review with the DPC.

LABOR COMPLIANCE

All public works projects must pay prevailing wages (code reference). After award of the construction contract, the District will submit the contract to the Department of Labor in the Division of Industrial Relations (DIR) for enforcement. The department becomes the repository for all payroll records.

Requests for payroll records are a public records request and will be submitted to the Clerk of the Board. The request will then be sent to the PM who will work with the PS to extract the appropriate records from the DIR. The PS will review the records and redact any personal information as required by law. Note that labor organizations have a right to more personal payroll information than the public and therefore the redaction requirements differ depending upon who is requesting the information.

CONSTRUCTION PROGRESS MEETINGS

Construction progress meetings will be held with the Contractor, IOR, Design Professional, site contact and the PM to review the progress of the work and to resolve any outstanding issues. The monthly or three-week look-ahead schedule will be developed and maintained by the Contractor and provided at each Progress Meeting. This meeting will provide a forum for the discussion of issues of common interest among the Contractor, Design Professional, district staff and the site staff.

The Design Professional will develop meeting minutes in the PMS, which reflect a list of actions required to support the scheduled project activities. This detailed listing of construction phase tasks will be used by the PM to:

- Monitor the status of the listed task.
- Update the status of each identified task as an agenda item during construction progress meetings.
- Assign new task responsibilities and set deadlines.

INSPECTION

It is the responsibility of the IOR to ascertain that the materials used and workmanship employed on the project is in accordance with contract documents. The IOR is responsible for all inspection and quality testing the project whether done personally or by assistant or special inspectors.

The Design Professional must assure that the IOR complies with all DSA requirements and the consulting contract for service must note this.

In addition to scope, schedule and budget, PM will work with the newly revised DSA inspection system to monitor project and special inspections as they occur and are reported in DSA Box. This work will insure that DSA certification of projects will be secured quickly after project completion.

Both the PMS and DSA Box will be a repository for project drawings and specs for ready digital access and reference by parties responsible for project implementation.

REPORTS

A daily inspection report (DIR) will be completed by the assigned IOR for every contract workday. Each DIR will describe the work performed, instruction given or received, unsatisfactory or nonconforming work, delays, contractor personnel, equipment, and any additional documentation required by the Design Professional and/or PM including but not limited to; specialty inspectors and a brief summary of the required inspections, tests performed on-site, weather conditions to include precipitation, etc.

TEST REPORTS

The IOR will keep complete an accurate report of tests performed to verify specification requirements. The items to be included in the Test Report include:

- Project contract number and description of contract work.
- Type of test and specification(s) reference.
- Person/Company performing the test, location, date and equipment used.
- Sample source and date secured.
- Narrative description of tests performed.

- Results of tests, given in units required by specifications and, as appropriate, units of recognized standards.
- Recommendation as to acceptance or rejection.
- Signature of responsible person controlling the testing work.
- A list of observers.
- Required follow-up action if test results were not in conformance.

SEMI-MONTHLY REPORTS

The IOR's Semi-Monthly Reports will document all issues of importance as required by DSA. As well as conferences with the Contractor and/or other parties, significant information regarding material equipment and personnel, weather or delay causes as well as any other issues having a bearing on the project. Potential differences with the Contractor such as responsibility for performing particular specific work will be addressed in detail. Particular care will be taken to record and preserve all possible data and/or evidence with respect to any matter which may become a basis for a Contractor claim.

INSPECTION

Inspections by the district are for the sole benefit of the district and do not:

- Relieve the Contractor of responsibility for providing adequate quality control measures.
- Relieve the Contractor of responsibility for damage to or loss of the material before acceptance.
- Constitute or imply acceptance.
- Affect the continuing rights of district acceptance of the completed work.

When contractually required, materials will be sampled, inspected, and/or tested at the source or fabrication plant prior to shipment to the project. When off-site are required, the inspector will receive authorization from the PM prior to performing off-site work.

On-site inspections will be made by personnel experienced in judging compliance with plans and specifications, either by employees under control of the IOR or by others arranged through the PM.

The Contractor will promptly furnish, all facilities, labor, and material reasonably needed for performing safe and convenient inspections and tests as may be required by the IOR. The PM will back-charge to the Contractor any additional cost of inspections or tests when work is not ready at the time specified by the Contractor for inspections or tests, or when prior rejection makes re-inspection or retest necessary. The IOR will cause all inspections and tests to be performed in a manner that will not unnecessarily delay the work.

A procedure for deficiency notices to address non-conforming work will be implemented by the IOR. These notices will also be used to establish plans for remedial actions and to document acceptance of corrected work. This notification will not direct the stoppage of work, but will state that the work will not be accepted if rejected materials or workmanship are not corrected. The Contractor will, without charge, replace or correct non-conforming work found by the IOR unless the Design Professional and ASFO (through the PM and DPC) accepts the nonconforming work with a reduction in the contract amount by change order. Under no circumstances will non-conforming work be considered for payment.

If the Contractor does not promptly replace or correct rejected Work, SUHSD may (1) by contract or otherwise, replace or correct the nonconforming work and back charge the cost to the Contractor, or (2) terminate the contract for default.

Each inspector will prepare a Daily Inspection Report (DIR) and semimonthly reports. PM will ensure that each inspector makes a complete and accurate report of the work and all pertinent conditions.

TESTING DISPUTED ITEMS

When it is suspected that work is deficient or not in compliance with the specifications, the IOR will request testing of such work in conjunction with Design Professional, whether such testing is covered by a specification provision or not.

Compensation to the Contractor to perform tests not contractually required can be handled in many ways. One method is to request the Contractor to make the test under the following conditions:

- Should the test indicate a deficiency, the Contractor will bear the costs for the original test, the remedial work, and the retest.
- Should the test show no apparent deficiencies, the district will bear the cost of the initial testing.
- The testing consultant will comply with the DSA Tests and Inspection requirements, which identifies the specific material testing requirements and/or procedures to be used in complying with the DSA testing provisions of the contract documents. This portion of the plan will include:
 - Name of testing laboratory and/or consulting firm(s) with primary quality control responsibilities and a detailed description of the services to be provided.
 - Specific procedures for determining that the requirements of the American Society for Testing and Materials (ASTM) cited in the contract documents are satisfied in every respect.
 - A listing of all tests required by the contract documents, including type, frequency, method of sampling, applicable standards, and acceptance criteria and/or tolerances.

The testing consultant will regularly prepare and submit reports to the IOR and PM that document the results of all material testing. Failed tests and/or tests that did not meet applicable standards will be highlighted. At completion of the project, the Testing Consultant will submit a final project material test and quality report (DSA Final Verified Reports)

TESTING

It is the responsibility of the materials testing firm (or firms) to test materials used on the project as required by the construction contract.

The IOR or Design Professional may determine the need for other types of tests, such as the monitoring of noise levels, vibration levels, subsurface movements, verifications of surveys and layout work. All requests for additional testing will be reviewed by the PM and submitted to the DPC for approval. This may require new or amended consulting contracts.

A complete record will be maintained of all tests performed. The records will be filed and copies distributed to PM, Design Professional, IOR, and DSA, in accordance with current law and the Contract Documents.

The PM is responsible for coordinating and verifying with the IOR the receipt of the necessary test results prior to authorizing payment to the designated Testing Consultant. All field reports will be directed to and received by the PM.

PROJECT SCHEDULE

The Contractor is responsible for developing a Project Schedule (construction work plan) to complete the project within the contractual time period. The schedule will be managed and maintained on a computerized scheduling system as specified in the contract. The contractor is also responsible for preparing a three-week look ahead schedule.

Within ten (10) calendar days after NTP, the Contractor must submit a preliminary Project Schedule. The schedule will be submitted to the PM and the Design Professional for approval. The schedule for the entire contract period will be produced and approved no later than fourteen (14) days after the NTP is given. The following rules will be followed:

The PM will verify that the Contractor and/or the IOR are maintaining an accurate as-built schedule if required by the contract. The Inspector's Daily Report will also note the actual start and finish of activities. Schedules will be updated on a weekly basis to:

- Develop an as-built schedule as each project progresses.
- Determine actions required to reach the project milestones.
- Document delays and other unforeseen influences on each project schedule that could develop into claims.

At project meetings, the CA team will review the schedule. In the event portions of work are in danger of being delayed, or actually are delayed, the Contractor must develop and present a plan for remedial action (recovery schedule). Potential or actual delays and plans for correction will be reported to the PM and if needed to the DPC

The following are typical schedule requirements:

- Start of work.
- Completion of work.
- Period of construction work (calendar days).
- Itemized work activities, sequencing of the work, activity interdependencies, and durations for submittal approvals, material fabrication, equipment procurement, installation, and construction (in accordance with contract documents).
- Interim completion of various items of work (i.e., milestones by date or period of construction time). The Contractor is responsible for sequencing the work, unless there are specific requirements in the contract. The PM will be completely familiar with the current schedule so that accurate contract reporting is maintained and potential schedule problems are recognized early.

DELAYS

In the event the Contractor cannot proceed with a specific work activity and the subsequent delay may result in additional time and or costs to the project, the PM, IOR and Design Professional will immediately be advised and convene a meeting with the Contractor to address the issue. The PM will request that the Contractor submit a time impact analysis (TIA). A Scheduling Consultant may be required to review the TIA and may produce their own TIA to determine if the claim is warranted. The Scheduling Consultant will provide a formal written response with recommendations. (Employment of a scheduling consultant requires approval of the DPC.) The PM will review the Consultant's recommendation with the DPC. If all or part of the delay claim is approved the PM will direct the Contractor to modify the Project Schedule and will include any cost or change in contractual completion date in a change order.

Various circumstances may justify the changing the contractual completion date if they are not within control of the Contractor or are not part of the contract documents. These circumstances include: Changes to contract requested by the owner, changes to the contract requested by the Design Professional, unforeseen site condition or circumstances, new requirements imposed by outside agencies suspensions of work, and delays in providing access. Such occurrences may justify a delay in completion if they affect activities on the critical path of the schedule. However, each instance must be carefully evaluated and fully documented before a decision can be made. If circumstances or changes justify changing the contractual completion date then the change shall be included in a change order.

PAYMENT APPLICATIONS

RETENTION

All payments to the Contractor are subject to a five percent retention. The district may increase this retention to the traditional ten percent level only if the BOT approves the increase and makes findings that the project is sufficiently complex to justify the increased retention. Because the district is restricted to five percent, the district will not offer or approve requests for retention reduction after 50 percent completion as permitted by the XXX code (code citation)

PAYMENT REQUESTS

Within (10) calendar days after the date of the NTP, the Contractor will furnish a schedule of values (SOV) which will be the use as the basis for payment requests. The SOV will identify costs for each itemized activity, and a breakdown of anticipated monthly earnings for payments in accordance with the contract.

The PM and Design Professional will review and approve the SOV unless the distribution of costs is unreasonable or unbalanced in relationship to the whole project.

The Contractor may submit Payment Requests monthly that show the percentage of work for each line item in the SOV. The PM, Design Professional and IOR will review the percentage of work completed compared to the approved SOV. The percentage complete must be justified by verified quantities of materials and labor. If the payment request is acceptable, then the Design Professional, IOR and PM will sign the payment request and forward to the PS for processing and approval by the DPC. See Appendix H for a detailed process.

PROGRESS PAYMENTS TO CONTRACTORS FOR STORED MATERIALS

On the monthly payment request, the Contractor may request payment for certain construction materials and equipment delivered to the site (or off-site) but not yet installed. Subject to strict conditions. These payments will be subject to retention.

If a Contractor wants to receive payment for stored materials, a listing of these materials must be submitted. The list will be subject to the review and approval of the PM and DPC. In reviewing and recommending approval of material and equipment listed for payment, the following criteria must be met:

- Payment will be for major items only.
- Materials must meet the requirements of the specifications, be stored or stockpiled in a bonded warehouse or on-site or as specified in the contract and must be adequately safeguarded.
- Requests for materials payment must be accompanied by paid invoices for materials stored on site. Before payment can be made for delivered materials off-site, the Contractor will furnish as evidence of ownership properly executed bills of sale for the delivered materials for which payment is requested.
- IOR and PM will inspect items prior to payment.

Once stored material and equipment items are approved for payment, records will be kept documenting these payments. Quantities will be recorded upon receipt of approved invoices. In cases of multiple invoices, balances will be accumulated and payment made on the basis of "first in, first out". Subtractions from the accumulated balances will be made as the material and equipment is incorporated in the contract work. The PM will verify item balances periodically by physically inspecting Contractor inventories. Attention must be made to the material invoices for such things as proof of payment, discounts, taxes, etc.

PAYMENTS WITHHELD

In addition to amounts which the District may retain including those entitled "Payments," and "Time for Completion and Liquidated Damages," the District may withhold a sufficient amount or amounts of any payment or payments otherwise due to Contractor, as in his or her judgment may be necessary to cover those items as noted in the Payments Withheld Section of the SUHSD Document 00 70 00 General Conditions.

SUBMITTALS

GENERAL SUBMITTAL REQUIREMENTS

The contract documents will require a submittal register that itemizes the submittals. The Submittal Items will be included as predecessor activities to the appropriate work items in the Project Schedule

The submittals will be packaged by the Contractor, uploaded the FTP site and the PMS using the appropriate submittal form. The Contractor will notify the appropriate individual via e-mail that there are new items for review if automatic notification is not provided by the PMS. The submittals will be sent from the Contractor to the Design Professional. The Design Professional may approve, reject or request the contractor revise and resubmit the submittal as appropriate.

The submittal portion of the document controls in the PMS will be used by the PM to monitor the status of each submittal. This automated database will be used by the PM to identify and expedite all reviews.

A copy of each approved submittal will be maintained within the PMS. Following completion of construction, all submittal files will be inventoried and transferred to the district in accordance with closeout procedures.

SHOP DRAWINGS

Shop drawings will be transmitted to the Design Professional for technical review and are processed in the same manner as submittals.

MATERIAL SAMPLES, CERTIFICATIONS AND CATALOG CUTS

Submittals of material samples, certifications, and catalog cuts will be processed in the same manner as submittals. However, the contract may require certain materials to be reviewed or tested by a Materials Testing Firm. All approved samples will be properly identified and stored by the IOR or PM.

QUALITY IN CONSTRUCTION

CONTROL OF WORK

The Contractor is responsible for the means and methods employed to perform the work.

When the contract documents specifically give the authority to select or prohibit a method, and such action is desirable, the PM will issue written instructions to the Contractor. The PM will not issue such instructions without prior approval of DPC and Design Professional.

The PM will not give directions or instructions requiring the Contractor to delay or accelerate the work or proceed with extra work not authorized by the contract.

It is the duty of the PM verify that the project is being constructed in accordance with the plans and specifications and in compliance with the terms of the contract through the IOR and Design Professional. The Design Professional has, and will exercise, the authority to reject both unsatisfactory workmanship and materials. Such rejections will be written to the Contractor immediately upon discovery and will refer to the appropriate plan or specification requirements. However, the work will not be directed to stop, except for an emergency situation.

Occasionally, conditions of the work will be such that changes or extra work will be necessary. In such cases, the PM will anticipate the necessity for changes in advance. The PM will inform the DPC of the anticipated change and follow the Potential Change Order (PCO) procedures outlined in this manual. The PM will not authorize the Contractor to perform changes or extra work without an executed modification of contract (Potential Change Order), except in an emergency.

Occasionally, the Contractor will not immediately correct unsatisfactory work and will proceed with other work. This will not be allowed. In such a case, the PM will confer with the DPC to gain concurrence for a limited work stoppage until the unsatisfactory work is corrected. Documentation must be complete and must include photographs of the unsatisfactory condition.

The PM will direct all authorized instructions concerning contract work performance to the proper personnel in the Contractor's organization. In no instances will instructions or directions be given to subcontractors.

QUALITY IN CONSTRUCTION PLAN

The Contractor will submit the quality plan prior to start-up for a given project. A detailed inspection and testing plan based on the project contract documents (plans and specifications) will be developed by the Contractor. The Quality in Construction Program ("QIC") will be initiated, managed and documented by the Contractor. The QIC establishes that Contractor's Work is in conformance with the requirements from the start of the work. This plan must be reviewed in detail with the Design Professional and approved by the PM prior to implementation (if required by the Contract Documents).

The Contractor will name a full time on site person who will be responsible for the Quality In Construction Process and who will represent the Contractor at all QIC inspections conducted for the Work of this Contract. The Contractor and the field staff will follow this project's specific QIC Plan in performing and/or monitoring all inspections and/or tests performed by the Testing Consultant.

The Contractor is not authorized to revoke, alter, substitute or relax any contract requirement or obligation. Stopping work for reasons other than safety can only be initiated by the PM following prior coordination with the DPC. Temporary curtailment of a particular construction activity to correct defective workmanship or materials (such as concrete slump) is within the IOR's authority.

WORK STOPPAGES

Occasionally the work performed under a contract will be subject to conditions, which require immediate attention to prevent:

- Possible cessation of work due to changed conditions resulting from conflicting field conditions or interferences not referred to on contract drawings or in specifications.
- Damage to personnel or property due to unsafe and hazardous work practices or conditions.

In the event the Contractor cannot proceed with the work because of the above, and the cessation of work may result in additional costs to the district, the PM will notify the DPC and/or ASFO. If the conditions involve design changes, the Design Professional, PM and IOR must also be consulted. A meeting between the Contractor, DPC, and the PM will be convened on the shortest possible notice to discuss and resolve the issue. If, in the opinion of the DPC, the presence of the Design Professional is desirable, they will be requested to attend. The PM must request the presence of the Design Professional for all work stoppages affecting the Project's design or changes.

Following determination of necessary action, the Contractor will provide an estimate of cost for the work, and if the cost is mutually agreeable, that cost will be the basis for contract modification in accordance with the terms of the contract.

Should the Contractor be unable to establish the cost for the work at this time, or if there is disagreement on the cost for the work, the Contractor may, through a directive from DPC, be authorized to proceed with the work on a time and material basis.

The PM will immediately report the necessity to implement a time and material based work to the DPC. The PM, IOR and Contractor will maintain complete daily documentation on all work performed under this basis and will compare records for concurrence at the close of each day's work. Daily work tickets must be signed by the IOR at the end of each shift.

In the event cessation of work results from an unsafe condition that may cause personal injury or property damage, the PM, conditions permitting, will pursue the same course of action described above. Should the unsafe condition be of such severity as to preclude any delay before remedial action is taken, the PM may under those circumstances, or, if necessary, direct the Contractor to immediately perform the necessary operations to remedy the unsafe condition. The ASFO and DPC must be notified immediately of the action taken by the PM.

Except in the case of a serious emergency, the PM will not order the suspension of work without prior approval from the DPC or as authorized by the contract. All verbal instructions or directives issued to the Contractor to stop work must be documented in writing to the Contractor within twenty-four (24) hours of issuance.

POWER OUTAGES

The PM will coordinate any power outages during construction with the contractor, site staff, and the maintenance, IT, and Nutrition Services departments.

NOTIFICATION BY EMAIL

After the date of the outage is set, the PM will email the notification to the following:

To: AP, Principal, PS, Maintenance Manager, Electrician, Electronic Repair, IT, Food Services

Cc: Design Professional, Contractor, ASFO, DPC, ASFO and DPC assistants, all other PMs and PSs

SAMPLE NOTIFICATION

The email notification should include the following information and should be customized for project needs.

"There will be an electrical outage at [NAME OF SCHOOL] on [DAY of WEEK], [DATE] from [START TIME] to [END TIME]. This interruption in electrical service is required for the installation of [DESCRIPTION]. Please help us to implement this important project by assisting as follows:

[NAME OF SCHOOL] Staff (NAME of AP): Call burglar Alarm Company and put alarm system on test.

Planning and Construction (NAME of PS): Contact cellular providers with equipment at [SCHOOL]; notify them of outage.

Maintenance/Electronics Repair: Put fire alarm system on test. Confirm that intercom/bells and other low voltage systems are fully functional on [DAY of WEEK and DATE].

Food Services: Secure refrigerated and frozen foods for duration of outage as needed.

IT: Confirm that network reboots properly on [DAY of WEEK and DATE].

CHANGE MANAGEMENT

All changes to the contract will be made by Change Order (CO) and changes will be submitted to DSA as Construction Change Directives (CCDs).

Construction contract change orders that exceed \$50,000.00 must have prior BOT approval. The BOT has delegated approval of change orders (and consultant amendments) below that threshold to the Superintendent, ASFO and DPC (Exhibit 4). Change orders and amendments that exceed \$1,000.00 must be ratified by the Board.

Changes are generated in many ways:

- By the contractor through the Request for Information (RFI) process or through submission of a Potential Change Order (PCO).
- By the district because of site or department requests or changes in technology
- By outside agencies imposing new requirements or new interpretations of existing requirements.
- By the discovery of unforeseen conditions during construction.
- By the Design Professional to correct errors in the construction documents. (Such errors do not normally rise to the level of negligence and a certain amount of errors permitted under the professional standard of care).

REQUESTS FOR INFORMATION (RFIS)

RFI's are issued by the Contractor to the Design Professional in order to request clarifications of the approved construction documents. RFI's shall be processed through the PMS. The Design Professional shall respond to RFIs through the PMS within 4 days. The response from the design professional will be one of the following:

- The contractor is directed where to find the answer in the contract documents (no change in contract).
- The Design Professional issues a clarification that is minor and does not involve a change in cost or schedule. The Design Professional will issue a CCD. If the Contractor believes that there is an impact on cost and/or schedule, the Contractor will notify the PM and Design Professional before starting work. The PM and Design Professional will evaluate the claim and either change the response to one without cost or will require the Contractor to submit a PCO.
- The Design Professional issues a response that impacts cost and/or schedule. Prior to issuing such a response, the Design Professional will notify the PM. The PM and Design Professional will evaluate the response and either change the response to one without cost or will process the change in a change order

An RFI log will be developed and maintained in the PMS. This log will contain the following information: RFI number, name of originator, brief description, date RFI was received from Contractor, date RFI was forwarded to Design Professional, date reply was received from Design Professional and the date reply was transmitted to Contractor.

The PM will monitor the RFI log in order to monitor response times and in order to anticipate potential change orders.

POTENTIAL CHANGE ORDER (PCO)

Changes resulting from approved responses to RFIs that have a financial or schedule impact will be converted to a PCO by the Contractor. The PCO will include documentation justifying the change in contract cost or contractual completion date. The PCO will be submitted to the Design Professional and PM through the PMS. The Design Professional will review the PCO and either approve, reject or request additional information to justify the contractor's request. All PCO's will be negotiated by the PM and the contractor. After the Contractor and PM agree to the cost and time impacts, the PS will generate a Change Order (CO) in the PMS and will route to all parties (i.e. Design Professional, Contractor, PM, and DPC) for signature approval.

OWNER REQUESTED CHANGES

Owner requested changes are discouraged; however, staff changes and technology changes do occur and may require changes in the design. The PM will review any requests from the site or other departments to change any aspect of the project and will make a recommendation to the DPC for approval or rejection. Significant requests will need to be referred to the design committee for approval.

If approved by the DPC, the PM will negotiate with the Design Professional any extra design fees that may be required. The Design Professional will create a CCD and issue it to the Contractor with a request for proposal. If the cost of the proposal is approved by the DPC, then the PM will include the change in a CO.

UNFORSEEN CIRCUMSTANCES

Where field conditions, unforeseeable causes beyond the control and without the fault or negligence of Contractor including and/or interface with other program work are involved, the Design Professional and PM will evaluate any proposed changes to the project.

TIME EXTENSIONS

Extensions to the established contract completion date will be considered only if formally requested by the Contractor. Contractor will within five (5) calendar days of the beginning of any such delay (unless the District grants a further period of time prior to date of final settlement of the Contract) notify the District in writing of causes of delay; thereupon the District will ascertain the facts and extent of the delay and grant extension of time for completing work when, in its judgment, the findings of fact justify such an extension. The District's findings of fact thereon will be final and conclusive on parties hereto. In case of a continuing cause of delay, only one claim is necessary. Time extensions to the completion of the Project should be requested by the Contractor as they occur and without delay. Regardless of the schedule submitted by Contractor, no delay claims will be accepted by the District unless the event or occurrence delays the completion of the Project beyond the contractual completion date.

CHANGE ORDERS (CO)

Once a CO, or CCD has been approved by all parties, a formal change to the contract is processed through a CO. This document may include several PCO's and or CCDs and can be additive or deductive to the contract value. It will also include any agreed to time extensions. The PM is responsible to review all CO's prior to submission to the PS for approval processing.

CLAIMS AVOIDANCE PROCEDURES

Steps must be taken to avoid having formal claims filed by contractors whenever it is practically possible. If the quantity of Requests for Information (RFIs) or Potential Change Orders (PCOs) on a given project seems abnormal, the PM should proactively anticipate a potential claim. If the contractor submits unreasonable costs for additional work, the district must establish a means of pricing the work. It is important that the PM be timely in these actions as the longer it takes to resolve pricing issues, the greater the potential delay claim.

These recommendations are intended to minimize the likelihood of the contractor initiating a formal claims process that may result in project delays, attorneys' fees, and other negative and costly outcomes. It is important that the PM act in good faith on behalf of the district at all times, even when it appears that the contractor is not doing so.

RECOMMENDED STEPS WHEN REVIEWING RFIS:

- Confirm that the architect is responding as per the time frame set forth in the contract documents. Contractors may complain about the length of time it takes to receive responses to RFIs. If the architect is missing contractual deadlines, the contractor may be entitled to compensation for delay, assuming that the RFI affects work that is in the critical path for the project.
- Confirm that the contractor is not submitting "nuisance" RFIs. Contractors may submit RFIs asking for information that is readily available in the bid documents.
- Confirm that the architect or other design professional is giving thorough and complete responses to RFIs. When multiple "back-and-forth" responses occur, contractors may attempt to initiate a delay claim.
- Document RFIs that are incomplete or vague when submitted by the contractor. Do not allow the contractor to claim delay for an RFI that could not be answered by the district's consultants because of the contractor's inadequate wording of the question.

RECOMMENDED STEPS WHEN REVIEWING PCOS:

- See Article 17 of the General Conditions for detailed information on changes in the work.
- If the PCO is clearly necessary or if it was initiated by the district, then the only issue that needs to be reviewed is the cost of the work.
- Contractor initiated PCOs must first be examined to determine if all or part of the proposed additional work should have been included in the bid price.
- There are varying methods of determining cost that are available to the district, and the General Conditions allow for flexibility. Examples include:
 - Lump sum as agreed upon by both parties.
 - Unit costs established at bid time.
 - Time and materials.
 - Generally accepted and agreed upon basis of establishing cost (i.e. Means Building Construction Costs Book).

It is up to the PM to implement the best methodology to determine reasonable cost for extra work. Typically, lump sum pricing is simplest, but it requires that a level of trust exist between the owner and the contractor.

If unit costs were included in bid pricing, they are a definitive method of avoiding disputed costs.

Time and material pricing is an effective method of making sure that the owner pays only actual costs associated with the extra work. However, this requires that the contractor's activities be monitored by the inspector of record.

Using an established pricing standard such as the Means Building Construction Costs Book can be subject to interpretation, and should be used with the appropriate level of consideration.

WHEN DISTRICT AND CONTRACTOR CANNOT COME TO TERMS

- The District must establish a fair value for the work in dispute. This will be needed as a benchmark for purposes of negotiation.
- The PM will need to compile backup documentation and exhibits to support the cost established by the district as fair value for the work.
- Direct the contractor to proceed with the work under protest as required. Article 13 of the General Conditions states that filing of a claim is not a basis to discontinue work.
- Have a meeting that includes the Contractor, PM, IOR and Design professional to review the issues.
- Review the issues with the DPC. Meet with the contractor and the DPC to review the disputed work. The DPC may engage in informal conflict resolution with the affected parties.
- If none of these steps results in resolution of the disputed costs, brief the Assistant Superintendent of Facilities and Operations and schedule an informal mediation.

CLAIMS MANAGEMENT AND DISPUTE RESOLUTION PROCEDURES

A claim usually involves a contractor or subcontractor requesting additional disputed compensation for work completed that was outside the scope of work defined by the contract, or for work that was completed within the contract scope but under conditions that were neither bid nor anticipated. The claims process is set forth in the contract. Once the claims process is set in motion, all parties involved in the project play a role in the resolution of the claim, including the District, Architect, Inspector of Record, Contractor/Subcontractors, and Legal Counsel.

Claims issues that may arise during construction include (but are not limited to) requests for:

- A time extension;
- Payment of money or damages arising from Work done by or on behalf of the Contractor pursuant to the Contract and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to; or
- Payment of money that the District disputes that it owes.

CONSTRUCTION CLAIMS PROCEDURES

At the pre-construction meeting, the PM will remind the Contractor that all claims must be submitted in writing to the PM for processing and distribution.

Upon receipt of intent to claim or a claim from the Contractor, the PM will immediately take the following steps:

- Establish a separate file folder for all pertinent documentation.
- Forward the original letter of intent to claim to the PS for filing and forward a copy of the claim to the DPC while retaining a copy for the job file.
- Acknowledge to the Contractor, in writing, without commitment, receipt of intent to claim or claims. (Care must be taken that no indication of the PM's opinion regarding the Contractor's allegations is either given or implied).
- Assemble all documentation regarding the claim. (This documentation will include, but not be limited to, all relevant reports, diary entries, photographs, and correspondence.)

For all claims from the Contractor, the PM will prepare a factual analysis, with detailed citations of the evidence that will either support or rebut the Contractor's position. The analysis will reference daily reports, diary entries, photographs, etc.

If the PM determines that the claim has merit, the PM will make an evaluation of entitlement (time and money), and initiate a contract modification (Change Order). If it is rejected by the PM the PM will inform the Contractor in writing.

After intent to claim has been presented by the Contractor and at completion of all work associated with said intent to claim, the PM will, in writing, request the Contractor to present the claim in a timely manner.

PM'S RESPONSIBILITIES REGARDING ALLEGED CLAIMS

Whenever an event occurs or a situation arises which has the potential of delaying the Contractor with respect to his contract completion date, and it can be demonstrated that the cause of the potential delay is beyond the Contractor's control (i.e. strikes, unusually severe weather, etc.), the PM and the Contractor will make a determination of the extent of the potential delay.

If, and when, it is determined by the Contractor that the contract completion date cannot be met, the Contractor will present to the PM for review and analysis and request for an extension of time in the form of a TIA. The request should demonstrate the reasons behind the failure to meet the contract completion date and present practical alternatives such as re-sequencing of items of work or methods of accelerating the work, with time and dollar values assigned.

After a detailed analysis by the PM, and the Contractor, a determination will be made as to the following:

- What is the time impact on the contract completion date? This evaluation is made after unused float time, etc., is taken into account.
- What, if any, remedial action can be taken to compress the schedule and allow for on-time completion? What will this action or actions cost in terms of time and dollars?

- What would the impact on the Contractor be if the time extension is disallowed and liquidated damages are assessed?

After these determinations have been made, the request for an extension of time will be forwarded to DPC by the PM.

If the DPC recognizes the Contractor's request as having merit, the DPC will direct the PM to initiate a contract modification (Change Order) for extended time.

If SUHSD denies the Contractor's request for a time extension, the PM will notify the Contractor of such denials.

It is essential that the DPC be informed in writing of any and all steps taken with regard to the above procedure.

CONTRACTOR CLAIMS ANALYSIS

For each claim submitted by the Contractor, the PM, Design Professional and District's Scheduling Consultant (if assigned) will prepare an in-depth, factual analysis, with detailed citations of evidence, that will either support or rebut the Contractor's position. The analysis of each claim will reference Daily Inspection Report (DIR) construction summaries, as-built schedules, photographs and/or video documentation as appropriate. The Design Professional will forward the completed factual analysis to the PM with a recommendation as to the claim's merit.

EVALUATION OF ENTITLEMENT

If the PM determines that the claim has merit, the PM, in conjunction with Design Professional, will complete an evaluation of entitlement (time and/or money) and initiate a proposed change order to the contract.

AS-BUILT DRAWINGS AND DATA

The PM in conjunction with the IOR will regularly monitor the Contractor's continuous updating of as-built drawings (field record drawings) and data. In addition, the PM will regularly request the Design Professional review of the Contractor's as-built drawings for clarity and completeness.

PROJECT SAFETY

The PM and IOR will review the Contractor's safety program for compliance with contract documents. The PM and IOR are charged with observation of the Contractor's safety programs. It is not within the PM or IOR authority to direct the Contractor's operations, construction methods, and practices, including utilization of equipment, or to in any way assume responsibility for the enforcement of the Contractor's safety standards. Regarding safety, the PM /IOR will:

- Observe the Contractor's safety program.
- Notify the Contractor, the DPC and SUHSD Safety Coordinator in writing of apparent noncompliance or poor safety practices.
- Project an image of safety through dress, practices and conduct at all times.
- The PM/IOR will not:

- Interpret the prevailing laws and regulations governing safety and health.
- Direct the Contractor or attempt to enforce standards pertaining to safety and health unless the situation appears to involve imminent danger to life, limb, or property, or unless directed by SUHSD Safety Coordinator.
- Stop or curtail the Contractor's operations except in a situation involving apparent imminent danger to life, limb or property.
- Directly give or imply approval of the Contractor's practices concerning safety and health.
- Act as a "safety" policeman; assume responsibility for the enforcement of safety standards.

PROJECT SAFETY MONITORING

The construction documents outline standard specification language requiring each contractor to develop and submit for review a safety plan to be implemented by the Contractor during the construction phase. The PM and IOR will monitor the Contractor's implementation and compliance with the approved safety plan including record keeping and the documentation of activities of the Contractor's safety personnel. The PM will allow the Contractor to provide up-dates and/or reports during the regularly scheduled construction progress meetings.

CONTRACTOR SAFETY PROGRAM

The Contractor is accountable for jobsite safety, including that of subcontractors and consultants. The PM, IOR and the field staff will observe the Contractor's approved safety program.

The Occupational Safety and Health Act, OSHA (Sections 1910 and 1926 including future Revisions or Additions thereto) is required by contract and by law to be followed on all work. The OSHA/Cal OSHA regulations establish minimum standards.

The procedures and guidelines in this section are supplementary, both to these minimum OSHA/Cal OSHA standards and to the Contractor's accident prevention programs. These procedures do not negate, abrogate, alter, or otherwise change any provisions of the Contractor's specific contractual obligations.

VISITORS TO THE SITE / PARKING

Visits by non-construction personnel to the various projects should be discouraged due to safety considerations. Official visits will be scheduled and arranged through the PM.

The PM will extend all courtesies and cooperation, and personally escort or provide escort for all visitors to the project. Records, charts, and reports will be current and available for review by visitors, as approved by the PM.

The IOR will record all workday visitors on the Daily Inspection Report (DIR).

ENVIRONMENTAL PROTECTION (SWPPP AND HAZMAT)

Increasing emphasis on protecting the environment requires close attention to the various laws, codes and criteria as established by federal, state and local governments. It is the responsibility of the

Contractor to comply with all such regulations and obtain the necessary permits. If required by the contract, written evidence will be prepared documenting the Contractor's compliance, which may be subject to examination by the respective government representatives.

SWPPP

The field staff will streamline document submission from SUHSD to all government agencies having jurisdiction.

The PM will be alert to potential Contractor sources of environmental degradation and monitor that the Contractor takes appropriate precautionary measures. Restrictive regulations are frequently being modified, and it is imperative that the Contractor remains current to avoid construction delays caused by pollution violations. Common sources of problems and public attention are dust, smoke, erosion, waste disposal, hazardous wastes, noise, noxious odors, and utility service interruptions.

HAZMAT

The Contract requires the Contractor to certify that their Work may disturb lead-containing or asbestos-containing building materials. HAZMAT reports performed by Environmental consultants who will help the field staffs oversee the execution of the recommendations included in the Hazmat report. (PM to schedule if not in SUHSD files)

In addition to asbestos and lead containing materials, the Hazardous wastes may include asbestos, airborne dust from sandblasting leaded paints and hydrocarbons such as oil, gasoline, and chemical cleaners.

The PM will be familiar with SUHSD policy on asbestos and other hazardous materials. The PM and IOR will address all hazardous environmental material related issues in accordance with the SUHSD environmental policy and coordinate activities accordingly. The IOR will notify the PM about environmental issues not shown on the environmental plans or assessment. Any required CEQA mitigation measures will be followed during construction activities and enforced by the PM and IOR.

MOVE COORDINATION

The PM and PS will be responsible for identifying and coordinating all items to be moved. This coordination will take place with the site staff, district representatives and contracted movers. Once the items have been identified, the PM will work with the PS to contract for moving services. The PM is responsible for coordinating the physical move including all owner furnished furniture, fixtures and equipment (FF&E) and the coordination of the Owner Furnish Contractor Installed (OFCI) items.

WARRANTY OF CONSTRUCTION

The Contractor warrants the work performed meets the Contract requirements and is free of any defect in equipment, material, or design furnished, or workmanship performed by the Contractor or any subcontractor or supplier at any tier.

With respect to all warranties, expressed or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this contract, the Contractor will:

- Obtain all warranties required by the contract documents.
- Require all warranties to be executed, in writing, for the benefit of SUHSD.
- Enforce all warranties for the benefit of SUHSD.

CORRECTION PERIOD

For a period of two years, or for longer periods if specified in the contract or warranty, from the date of Beneficial Occupancy, the Contractor will remedy at the Contractor's expense any failure to conform to the Contract requirements or any defect. If the SUHSD takes possession of any part of the work before final completion, the correction period for such part of the work will continue for two years from the date SUHSD takes possession.

The Contractor will remedy at the Contractor's expense any damage to real or personal property owned or controlled by SUHSD, when the damage is the result of:

- Contractor's failure to conform to Contract requirements.
- Any defect of equipment, material, workmanship, or design furnished by the Contractor.
- The Contractor will restore any work damaged in fulfilling the terms and conditions of this Article. The Contractor's warranty with respect to work repaired or replaced will run for two years from the date of repair or replacement.
- The PM and Design Professional will notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect, or damage.
- If the Contractor fails to remedy any failure, defect, or damage within a reasonable time after receipt of notice, the PM will have the right to replace, remove, or otherwise remedy the failure, defect, or damage at the Contractor's expense.

COMMISSIONING AND CLOSEOUT

OPERATIONS & MAINTENANCE (O&M)

The PM will review all O & M related submittals, and in conjunction with the Design Professional and/or District M & O personnel, provide final approvals.

SYSTEMS START-UP AND COMMISSIONING

The PM will coordinate the start-up of all new or modified systems with District and/or M & O personnel in coordination with the Commissioning Agent (Cx). The Commissioning specification will be developed during design with input from systems design engineers and Maintenance. The contractor will coordinate subcontractor performance in order to meet Commissioning timelines and requirements.

TRAINING PROGRAMS

The PM in conjunction with the Contractor will coordinate and schedule all O & M or special training programs to be provided by the Contractor and/or equipment suppliers/manufacturers. Training will be documented by a video/audio system to provide for new personnel training in the future.

INVENTORY CONTROL

The PM will inventory all Contractor supplied items including FF&E for ultimate turnover to the District.

PROJECT CLOSE-OUT

The PM assisted by the PS is responsible for coordinating the closeout process with the District, the Contractor, Design Professional, EOR, IOR and Specialty Inspectors. There is a District closeout process to release retention and file the Notice of Completion (NOC) and the Division of the State Architect (DSA) closeout process to certify the project.

Once the final Change Order has been processed and the final contract amount is determined, the PM will forward the Final contract amount and the District's Required Documents Checklist to the contractor. Once all the required documents have been submitted and verified by the PM and PS, the project retention may be paid and the Notice of Completion can be filed.

In addition to the District Closeout process, the PM coordinates with the Architect to process all Field Change Directives and Change Orders through DSA for approval throughout the project. The Design Professional with the PM assistant is responsible for collecting the Verified Reports (DSA-6 forms) from the A/E, IOR, Contractor and Specialty Inspectors. On old projects, DSA will close a project as long as there is a DSA-6 from the IOR even if the forms from the Design Professional (and others) are missing. The Design Professional takes the lead in formally closing out the project file through DSA.

The PS will send the NOC to DIR (Assistant Chief, Eric Rood at erood@dir.ca.gov).

AS-BUILT (RECORD) DRAWINGS

The Contractor will have the primary responsibility for the preparation and maintained detail of contract documents. (Record Set) appropriately marked up with the information.

During the progress of the job, the PM, Design Professional and IOR must observe closely the "as-built" work and maintain a complete set of contract drawings marked up with "as-built" details. Within 60 days of the Substantial Completion of the project, the Contractor should submit the marked up contract documents (Record Set) to the PM. The Record Set should be checked by IOR and Design Professional to determine if the AS-BUILT" details and field conditions have been incorporated. If they have not, the Record Set will be returned to the Contractor.

Often during construction, interim "as-built" details may be required by others to enable completion of design or redesign of a certain contract feature. Consequently, the "as-built" set of drawings must be up-to-date. Upon receipt of a satisfactory Record Set of contract documents from the Contractor, they should be formally transmitted to the Design Professional. Electronic copies of AutoCAD or BIM plans will be provided (verify on small projects if in the A/E Contract).

The PM should keep a complete copy of the Record Set of contract documents at the jobsite.

WARRANTY AND GUARANTEE TRACKING

The PS will track all warranty and closeout documentation.

TRANSFERRING RECORDS

Upon completion and finalization of the contract, the PS should screen the files for duplication and extraneous material, ensure that plans are mended, rolled, and tied and transfer them to the designated location.

All original documents required by the contract become the property of SUHSD.

Any document not specifically related to the subject contract will not be included as official records but will be submitted to and retained separately by the PM.

All documents will be filed in accordance with the Central Filing System (the permanent record files).

Documents to be turned over to SUHSD at the end of the Contract include:

- Contractor's Daily Construction Report (or diary) to indicate PM's actions, progress of work, significant occurrences, weather problems, related adjacent work, field notebooks, manpower and equipment.
- All records pertaining to the construction of the project, particularly of delays or lack of cooperation in performance of the contract work.
- Daily records of force account work, overtime, or work at other than normal hours, as back-up data for payment for extra charges, if any.
- All contract documents, plans, specifications, maps, diaries, books, notes, calculations, studies, hazardous materials certificates, manifests, documents or other records, owner's manuals, operations and maintenance manuals and warranty information.
- Record all correspondence and meetings pertaining to the contract.
- Progress reports with certified quantities of work in place and activities completed, including records of materials or equipment delivered or stored at the site by the Contractor(s) eligible for partial payment. The PS will forward all required labor compliance documents in accordance with the SUHSD and/or other prevalent labor compliance policies.
- Record of all properly evaluated, estimated, negotiated, and accepted changes.
- Final acceptance inspection.
- Records of final payment to Contractor.
- Progress photos required for progress control and claims.
- All closeout certificates, forms and letters.

The above documents will form a basic part of the permanent record of the project and will cover all important factors affecting job conditions and progress of the work.

It is the responsibility of the District staff to pack and physically transfer files. Records will be transferred within 90 days after final closeout of contract in accordance with Document control Procedure.

All records to be transferred to SUHSD will be scanned into Laserfiche by District staff.

VIII. APPENDICIES

APPENDIX A – FILE STRUCTURE

This file structure is based on the SUHSD Laserfiche Standards established by the P&CD. File structure is divided in the following sections:

1. Contracts (Consultants/Vendors) Documents:
 - 1.1. Correspondence.
 - 1.2. Contracts.
 - 1.3. Amendments.
 - 1.4. Meetings.
2. Bidding Documents.
 - 2.1. Bid Advertisement.
 - 2.2. Bid Tabulation Summary.
 - 2.3. Specifications.
 - 2.4. Plans.
 - 2.5. Addenda.
 - 2.6. Non-Winning Bidders Information.
 - 2.7. Invitation for Bid.
 - 2.8. Walk-Through Sign-In Sheet.
3. Contract Documents.
 - 3.1. Notice of Intent to Award.
 - 3.2. Notice to Proceed.
 - 3.3. Contract.
 - 3.4. Performance Bond.
 - 3.5. Payment Bond.
 - 3.6. Bidder Information.

- 3.7. Asbestos Free Materials Certification.
- 3.8. Community Outreach Business Enterprises.
- 3.9. Contractor's Certificate Regarding Workers' Compensation.
- 3.10. Criminal Background Investigation/Fingerprinting Certification.
- 3.11. Escrow Agreement.
- 3.12. Drug Free Workplace.
- 3.13. Iran Contracting Act (over \$1M Projects only)
- 3.14. Hazardous Materials Certification.
- 3.15. Imported Materials Certification.
- 3.16. Lead Based Materials Certifications.
- 3.17. Non-Collusion Affidavit.
- 3.18. Prevailing Wage and Related Labor Requirements Certification.
- 3.19. Recycled Content Certification.
- 3.20. Subcontractor Listing.
- 3.21. Subcontractor Correspondence (California Preliminary Notice, Stop Notices and Release of Stop Notices).
- 3.22. Approved Construction Schedule of Values.
- 3.23. Certificate of Liability Insurance.
- 3.24. W9 Form.
- 3.25. Approval or Ratification – Board Item.
- 3.26. Incoming and Outgoing Correspondence.
- 3.27. Potential Change Orders.
- 3.28. Change Orders.
- 3.29. Schedules
- 3.30. Payment Applications (under Invoices)
- 3.31. Submittals (Prolog).
- 3.32. RFIs (Prolog).
- 4. Closeout Documents.
- 4.1. Closeout Checklist.

- 4.2. Punch list Signed-off as Completed by:
 - 4.2.1. Construction Manager, Architect. Maintenance Department (Attached Sign Off), Project Manager.
- 4.3. Required Documents Letter.
- 4.4. Final Contract Amount Letter.
- 4.5. Change Order Log.
- 4.6. DSA-5 Forms (all parties).
- 4.7. DSA-6 Forms (all parties).
- 4.8. DSA-168 Forms
- 4.9. DSA Special Testing and Laboratory (if applicable).
- 4.10. ORIGINAL Consent of Surety.
- 4.11. Owner Controlled Insurance Program (OCIP) Form D (if applicable).
- 4.12. Final Certified Payroll Report Completion Letter form Labor Compliance Consultant.
- 4.13. Unconditional Waiver (prime and all subcontractors).
- 4.14. Hard Copy As-built (transmittals).
- 4.15. Record Drawings (electronic files).
- 4.16. Notice of Substantial Completion.
- 4.17. Notice of Completion Recorded (complete).
- 4.18. Retention Released.
- 4.19. Final Application for Payment Submitted.
- 4.20. Maintenance Close-out Items.
- 4.21. Operations & Maintenance (O&M) Manuals
 - 4.21.1. Guarantees/Warranty Forms
 - 4.21.2. Test, Balance, and Adjusting Reports
- 5. Correspondence.
- 6. Funding.
- 7. Public Records Act Requests.
- 8. State Documents.
- 9. Filing Procedures

APPENDIX B – SCHOOL SITE ACRONYMS

MIDDLE SCHOOLS		<u>NO.</u>
BVM	Bonita Vista Middle	MS #8
CPM	Castle Park Middle	MS #4
CVM	Chula Vista Middle	MS #2
ELM	Eastlake Middle	MS #11
GJH	Granger Junior	MS #5
HTM	Hilltop Middle	MS #6
MOM	Montgomery Middle	MS #9
MVA	Mar Vista Academy (formerly MVM)	MS #7
NCM	National City Middle	MS #1
RDM	Rancho Del Rey Middle	MS #10
SOM	Southwest Middle	MS #3
HIGH SCHOOLS		<u>NO.</u>
BVH	Bonita Vista High	HS # 6
CPH	Castle Park High	HS #5
CVH	Chula Vista High	HS #2
ELH	Eastlake High	HS #10
HTH	Hilltop High	HS #4
MOH	Montgomery High	HS #7
MVH	Mar Vista High	HS #3
OLH	Olympian High School	HS #13
ORH	Otay Ranch High	HS #11
PAH	Palomar High	HS #9
SOH	Southwest High	HS #8
SUH	Sweetwater High	HS #1
SYH	San Ysidro High	HS #12

ADULT SCHOOLS

CVA	Chula Vista Adult
MOA	Montgomery Adult
NCA	National City Adult
SYA	San Ysidro Adult

ALTERNATIVE ED

AVA	Alta Vista Academy
EHA	East Hills Academy
OSS	Options/Sails (now Portal)

OTHER

AC	Administrative Center
MAC	MAAC Charter
SHC	Stephen Hawking Charter

Source: SUHSD Currents August 2007 and Human Resources

APPENDIX C – CONSTRUCTION CONTRACTING

PROCESSING CONTRACTS

The Chief Financial Officer or his/her designee may purchase supplies, materials, apparatus, equipment, and services up to the amounts specified in Public Contract Code 20111, beyond which a competitive bidding process is required. (BP 3300). Contracts under \$15,000 are ratified by the BOT monthly when the BOT approves all purchase orders.

Per Public Contract Code Section 20111(a), any contract involving an expenditure of more than \$84,100 or as annually adjusted by the Superintendent of Public Instruction, in accordance with any requirements established by that governing board pursuant to subdivision (a) of Section 2000 regarding minority business enterprises and women business enterprises, will let any contracts to the lowest and responsible bidder who will give security as the board requires, for any of the following:

- Purchase of equipment, materials, or supplies to be furnished, sold, or leased to the District.
- Services, except construction services.
- Repairs, including maintenance; where maintenance means routine, recurring, and usual work of the preservation, protection and keeping of any publicly owned or publicly operated facility for its intended purposes in a safe and continually usable condition for which it was designed, improved, constructed, altered or repaired. Maintenance expressly includes carpentry, electrical, plumbing, glazing and other craftwork; this definition does not include painting, repainting, or decorating other than touchup. In each school district, maintenance can be performed by day labor (use of maintenance personnel) or by force account whenever the total number of hours on the job does not exceed 350 hours.

DEFINITION OF INFORMAL BID:

- Construction services involving expenditures of \$14,999 or less.
- Per the Public Contract Code Section 20111(b), any projects for construction services involving an expenditure of \$15,000 or more will be let to the lowest responsible bidder who will give security, as the board requires, or else reject all bids.

FORMAL BID PROCEDURE (DESIGN-BUILD)

See Education Code Section 17250.10-17250.50

APPENDIX D - CONSULTANTS

The P&CD has standard consulting contracts for the various consultants used on a project. After the PM negotiates the consulting fees, the PM will direct the PS on how to customized or complete the standard contract for each consultant.

ARCHITECTS:

Typically an architect is the lead designer and Architect of Record (AOR) for projects that need approval by DSA. Architects should be employed for full services from schematic design through close-out. Standard architect (and engineer) contracts do not include programming, surveying, utility locating, and specialty consultants such as kitchen design or acoustic design and these services may require additional fees over the basic services. The consulting contract should be a fixed fee contract but the total fee as a percentage of construction costs may be used to evaluate the fee proposal. The old State Lease-Purchase Program (LPP) percentage fee schedule may be used as a guide, however many requirements have been added since that program ended in 1998 (e.g. fire sprinkler design is no longer a deferred approval and must be designed before submittal to DSA).

ENGINEERS:

An engineer rather than an architect may be appropriate for specialized projects. DSA will accept engineers as the Engineer of Record (EOR) on many projects that do not involve access compliance issues (most engineers are not familiar with access compliance laws). For example, structural engineers may be the lead on projects that are only structural like light poles or retaining walls and electrical engineers may be the lead on fire alarm systems and electrical upgrades. The consulting contract should be a fixed fee contract but the total fee as a percentage of construction costs may be used to evaluate the fee proposal. The old State Lease-Purchase Program (LPP) percentage fee schedule may be used as a guide, however, because of the specialized nature of projects that do not use an architect, comparing the fixed fee to a percentage of construction cost fee schedule may not be appropriate

LANDSCAPE ARCHITECT:

Landscape architects are typically the lead designer on landscaping projects that do not require DSA approval. The District has used landscape architects for field renovations that require DSA approval. The consulting contract should be a fixed fee contract but the total fee as a percentage of construction costs may be used to evaluate the fee proposal. The old State Lease-Purchase Program (LPP) percentage fee schedule may be used as a guide, however, because of the specialized nature of projects that do not use an architect, comparing the fixed fee to a percentage of construction cost fee schedule may not be appropriate.

ENVIRONMENTAL CONSULTANT FOR CEQA SERVICES

The environmental consultant for CEQA services is responsible for the CEQA approval process on behalf of the district and is expected to perform the following services. The contract should be a fixed fee contract.

- Review or prepare an initial study.
- Conduct or review preliminary environmental site assessments.
- Prepare environmental impact studies.
- Prepare or cause to be prepared any detailed studies needed for the process.

- Conduct public hearing and informational meetings as necessary for the project.
- Prepare draft and final environmental impact documents.
- Prepare and file the appropriate notices.
- Obtain final CEQA approval.
- Coordinate with the District's legal counsel as necessary.
- Interface with local regulators, as necessary, on behalf of the District.

ENVIRONMENTAL CONSULTANT FOR HAZARDOUS MATERIALS SERVICES

The Hazardous Materials consultant performs a hazardous materials survey and develops an abatement specification. This abatement survey and specification are issued with the bid documents. The contract should be a fixed fee contract and the general scope of hazardous materials abatement will consist of (but is not limited to) the following:

DESIGN AND APPROVAL PHASE:

- Coordinate with the District and Design Professional as necessary in planning projects
- Review design development and construction documents to advise the PM and Design Professional regarding the impact of the design on potentially hazardous materials such as:
 - Asbestos containing materials such as stucco, window putty, roofing materials, flooring materials.
 - Lead based paint.
 - Lead based window putty.
- Advise the district regarding the appropriate air quality management.

CONSTRUCTION PHASE:

- Performs construction and/or abatement oversight.

PROJECT CLOSEOUT PHASE:

- Assure that all proper hazardous materials documentation has been completed after the completion of hazardous materials abatement for each project.
- Provide written evaluation for all hazardous materials contractors.
- Prepare a final closeout report when abatement activities have been completed.

LAND SURVEYING SERVICES

The PM should arrange for a land survey for projects that have exterior work, involve access compliance or is requested by the lead designer. The PM should review the most recent project to see if the last survey is acceptable for use. If a new survey is needed, a survey of the entire school site should be ordered unless the cost is way out of proportion to the cost of the project. The contract should be a fixed fee contract.

SOILS TESTING SERVICES

Soils testing is needed during pre-construction to give guidance to the design team and during construction. The PM should consult with the lead designer on the scope of services for the pre-construction soils testing needed. The PM should consult with the lead designer and IOR regarding the soils testing needed during construction. Although both contracts should be fixed fee contract, the contract during construction often needs to be amended after the contractor's construction schedule is determined or if there are delays on the project.

UTILITY LOCATING SERVICES

Existing school sites often have undocumented underground utilities. The PM should evaluate the project with the lead designer to determine whether a utility locating service is required and whether horizontal locations are needed or both horizontal and depth is needed. Typically, the contract is a fixed fee purchase order.

INSPECTOR OF RECORD (IOR) SERVICES

DSA requires an IOR for each project. There are different classes of inspectors depending on the size and type of project. The PM needs to review the qualifications of the IOR and any past experience with the district or other school districts. Although the contract should be fixed fee contract, the contract often needs to be amended after the contractor's construction schedule is determined or if there are delays on the project. Every effort should be made to determine accurate costs up front because multiple contract amendments are almost always questioned.

SPECIAL INSPECTION SERVICES

DSA requires special inspection for certain construction activities such as welding or in-plant fabrication. These services may be provided by the IOR (if they are a firm that can employ additional inspectors), or under a separate consulting contract. The PM needs to review the qualifications of the IOR and any past experience with the district or other school districts. Although the contract should be fixed fee contract, the contract often needs to be amended after the contractor's construction schedule is determined or if there are delays on the project. Every effort should be made to determine accurate costs up front because multiple contract amendments are almost always questioned.

MATERIAL TESTING SERVICES

DSA requires special testing on certain items such as concrete or steel to test the strength of the material. This firm must not be the same firm that provides inspection services. The PM needs to review the qualifications of the IOR and any past experience with the district or other school districts. Although the contract should be fixed fee contract, the contract often needs to be amended after the contractor's construction schedule is determined or if there are delays on the project. Every effort should be made to determine accurate costs up front because multiple contract amendments are almost always questioned.

APPENDIX E – QUALIFICATIONS BASED SELECTION PROCESS FOR CONSULTANTS

The QBS process requires the PM and PS to do the following:

- Prepare a Request for Qualifications (PS under the direction of the PM).
- Upload the RFQ to DemandStar (PS).
- Receive questions from vendors (the purchasing department receives the questions and forwards them to the PM).
- Respond to questions (PM creates response and PS uploads to DemandStar).
- Receive proposals (PS).
- Review and score proposals (Review Committee and/or PMs).
- Review scoring and recommend a short-list of vendors (Purchasing Department).
- If the RFQ was for the pre-qualified consultant list then process BOT approval (PS).
- If the RFQ was for a specific project then negotiate fee and if unsuccessful go to next firm on the list (PM).
- After negotiating the final fee, use the rest of the steps under Consulting Contracts for processing consulting.

APPENDIX F – CONSULTANT INVOICE PROCESS

Once a consulting contract has been executed by both parties and a purchase order has been issued, invoices for completed work can be processed. Under no circumstances can invoices be paid without an approved purchase order.

The turn-around time for invoice processing will be within 30 days. The process for submitting invoices is as follows:

- Consultants may submit invoices monthly.
- PS reviews invoice for compliance with contract (particularly deliverables) The PS will review the invoice for mathematical accuracy, will verify that the amounts match the contract, and verify that amendments have been approved if the invoice includes billing for that work and that docs are in DSA Box.
- If invoice is rejected:
 - Enter invoice in PMS
 - Upload invoice into PMS and transmit to consultant requesting revised invoice.
- Input into the PMS (PS).
- The PMS generates the Vendor Invoice Approval
- PS routes invoice for approval.
- The PM will review the invoice to verify that work has been completed satisfactorily and to the extent (percentage complete) shown on the invoice If the PM determines that the information contained in the invoice is either incomplete or inaccurate, it is the responsibility of the PM to coordinate any necessary revisions with the vendor and to request a revised copy of the invoice for processing.. (see above if rejected)
- After approval of the invoice by the PM, the PS then obtains approval from the DPC and submits to accounting for payment.

Prior to the final payment for consultants, the PS will use the project closeout checklist to assure receipt of all close-out documentation and certification by DSA (if applicable).

APPENDIX G – PROCESS FOR PLANNING AND CONSTRUCTION DEPARTMENT BIDS

Bid Package: Plans and Specs (including front end)

Bid Docs: Specifications including Divisions 0 and 1

Technical Specifications: Divisions 2 and up

Project Bid Name will be different than the overall project name if there is more than one construction contract on the project.

TASK	RESPONSIBILITY
AT LEAST ONE MONTH BEFORE SCHEDULED DSA SUBMITTAL DATE:	
Maintain list of Prequalified bidders (on-going)	Contracts Manager
Determine which front end template to use. (Large Proj, Small Proj, Prop O, etc.)	PM consults with DPC & Purchasing
Create any Special Conditions needed for the bid	PM and Design Professional
Obtain bid number from Purchasing (non-DSA projects)	PS
Add Project Bid Title and bid number (if available) to template	PS
Send Word template to Design Professional	PS
Insert any Special Conditions and other know data into the bid docs (using Track Changes [redline])	Design Professional or PS with approval of DPC
Send redline version of Bid Docs to PS	Design Professional
Review redline and accept changes	PS and PM
Submit draft DSA-1 application form to PM	Design Professional
Obtain PTN number from OPSC website	DPC or designee
Add PTN number to DSA-1 and Project Status Report	PS
Review DSA -1 with DPC	PM
Send approved draft DSA-1 to Design Professional	PS
Create requisition for DSA Fees	PS
Receive warrant and hold for DSA submittal	PS
Submit Bid Package to DSA	Design Professional
DURING DSA BACKCHECK:	
Get Bid Number from Purchasing	PS
Meet and Complete Request for Bid to establish dates for advertisement, job walk, questions deadline, bid deadline, etc.	PM, PS & Purchasing Design Professional (optional)
Send to Purchasing to review and approve	Contracts Manager
Approve Request for Bid Form	PM , Purchasing Mgr., DPC
Send Request for Bid info to Design Professional	PS
Update Bid Docs with DSA#, Bid# and bid info.	PS
Review final Bid Docs to assure correct data was added.	PS

Submit final Bid Package to DSA for approval (Back check)	Design Professional
BIDDING - AFTER DSA APPROVAL:	
Get DSA stamped Bid Package from DSA and send to PM .	Design Professional
Final Quality Assurance review of bid package	PS
Insert bid information into advertisement template.	PS
Place ad in newspaper (including processing req.)	PS
Upload approved bid documents to Demand Star. Description should include required license and Cost Estimate (from ad)	PS
Notify prequalified bidders through Demand Star	PS
Email copy of advertisement to prequalified bidders	PS
Forward bounced bidder email to Contracts Manager	PS
Attend the Job Walk	Purchasing, Project Manager and Architect
Upload Job Walk sign-in sheet to DemandStar	PS
Email Job Walk sign-in sheet to attendees (attendees are not necessarily bidders)	PS
Receive questions from bidders	Purchasing
Forward any questions received, prior to the question deadline, to Planning PM	Purchasing
Forward questions to Architect if necessary for response. CC the PS . PS Update project files.	PM & PS
Provide any information needed for an Addendum including answers to questions received prior to question deadline	Manager & Architect
Send addendum template to Design Professional	PS
Create addendum to respond bidder questions.	PM or Architect w/ PS
Type addendum and upload to DemandStar (DemandStar automatically notifies bidders).	PS
Prequalify bidders over \$1 Million (up to 7 days before bid)	Contracts Manager
BID OPENING:	
Populate bid tabulation template with bid information	PS
Attend the Bid Opening	Purchasing, PM , and PS
Bids are opened. Bid amounts announced. Verify that Addenda are acknowledged.	Purchasing
Fill in bid tabulation as bids are opened.	PS
Upload bid tabulation summary to Demand Star	PS
Upload bid tabulation summary to district website	TBD
Verify low bid amount (if necessary)	Purchasing
Determine apparent low bidder	PM & Purchasing

Verify completeness of low bid submittal (Is the low bidder responsive? Are any required documents missing?)	PS
Verify low bidder contractor license and bid bond surety	PS
Compare and analyze bid quotations (is the low bidder a responsible bidder).	Manager, Purchasing, PM & PS
Apparent low bidder discussion	Manager and Purchasing
Respond to any bid protests	Purchasing
Update DemandStar from "Pending" to "Awarded"	PS
Prepare Notice of Intent (NOI) to Award	PS
Type NOI and send to apparent low bidder	PS
Receive all contract documentation required for award of contract (agreement, bonds, insurance, fingerprinting, etc.)	PS
Review submitted contract documentation for completeness	PS
Verify surety for the bonds	PS
Verify insurance	PS
Obtain ASFO signature on Contract	PS
Prepare Board item to award to low bidder (Template)	PS

AWARD - AFTER BOT APPROVAL (or AFTER DRAFT BOT ITEM for RATIFICATIONS)

Enter purchase order requisition after receipt of all needed documentation. On the req., insert PS name in "Requested by", PM name/Project Bid Name in "Requested for" (include PO# on Req. for Prop O projects Only);	PS
Process Req., Assign PO#, email PO to vendor and PS .	Purchasing
Notify PM that PO has been issued	PS
Notify DIR of contract award (PWC-100). Use ASFO signature date for ratified contracts instead of BOT award date.	PS
Prepare Notice to Proceed (NTP) (include DSA#, Bid# and PO#)	PS & PM
Obtain approval of NTP from DPC	PS
Distribute NTP	PS

The Responsibility shown is the lowest level, **PMs** may do **PS** tasks, **DPC** may do **PM** tasks

PS = Planning Specialist

PM = Project or Program Manager in P&CD

DPC = Director of Planning and Construction

P&CD= Planning and Construction Department

PO = Purchase Order

P&CD = Planning and Construction Department

APPENDIX H - CONTRACTOR PAYMENT REQUEST PROCESS

Once a construction contract has been executed by both parties and a purchase order has been issued, the contractor may submit a payment request for completed work and materials stored (under certain circumstances and subject to approval by the DPC). Under no circumstances can payment requests be paid without an approved purchase order.

The turn-around time for payment request processing will be within 30 days. The process for submitting and approving payment requests is as follows:

- Contractors may submit invoices monthly.
- Contractors will submit draft payment requests monthly. The draft payment request (Exhibit 8) should be submitted at a progress meeting where the Design Professional, IOR, and PM can review the payment request for accuracy. If approvable, the Design Professional, IOR and PM will sign the payment request.
- Payment requests will be logged by the PM or PS. The PM and PS will review the invoice or payment request and verify that the amount of payment requested is correct and sign and date the invoice or payment request. The PS then obtains approval from the DPC and submits to accounting for payment.
- The PM will deliver the payment request to the PS for input into the PMS.
- The PS will review the invoice for mathematical accuracy, will verify that the amounts match the contract, and verify that change orders have been approved if the invoice includes billing for that work.
- If the PS determines that the information contained in the payment is either incomplete or inaccurate, it is the responsibility of the PM to coordinate any necessary revisions with the contractor and to request a revised copy of the payment request for processing.
- The PS generates the approval page for the payment request from the PMS.
- After the PM signs the approval page, the PS then obtains approval from the DPC (DPC signs both the approval page and payment request) and submits to accounting for payment

Prior to the payment of final retention, the PS will use the project closeout checklist to assure receipt of all closeout documentation. The Notice of Completion (NOC) must be issued for the contract prior to the final payment. If the NOC will be filed within 90 days of completion, then the PS files the Notice of Completion with the County Recorder's office (filing with the County Recorder shortens the filing time period for stop notices to 30 days). If the NOC is prepared more than 90 days after completion then the NOC is for district files and the Division of State Architect only.

APPENDIX I – CHANGE ORDER APPROVAL PROCESS

Construction contract change orders that exceed \$50,000.00 must have prior BOT approval. The BOT has delegated approval of change orders below that threshold to the Superintendent, Chief Financial Officer, ASFO and DPC (Exhibit 4). Amendments that exceed \$1,000.00 must be ratified by the Board.

The PM and PS will:

- Receive and evaluate contract amendment requests (including potential change orders [PCOs]).
- Negotiate the change order with the contractor.
- Prepare the change order (the Design Professional may create change orders).
- Obtain approval from the Design Professional.
- Obtain approval from the DPC.
- Process the contract amendment for BOT ratification (or approval).
- Create the Purchase Order Adjustment.
- Request a budget adjustment if necessary.
- Update the PCS.


APPENDIX J – INSTRUCTIONS FOR COMPLETING THE ACTIVE PROJECT MONTHLY STATUS REPORT

Date: 3/10/2017 (Updated)

Prepared By: Roxanna Travers and All Planning Specials

Purpose: To document the procedure followed when completing the Active Project Monthly Status Report and provide standards for consistency and uniformity for all Planning Staff.

1. The **Font** throughout the document will be “Calibri” size 11.

	SWEETWATER UNION HIGH SCHOOL DISTRICT Capital Projects Report II. ACTIVE PROJECT MONTHLY STATUS REPORT
Update: September 2, 2016	PM/PS: Larry Moen/Allie Serrano
Site: Bonita Vista High School	Project Name: BVH Title IX Girls Locker Room <u>Relocatable</u>
Funding Source: CSFF Fund 35	A-E/Contractor: Lord Architecture, Inc./ TBD
	Inspector: TBD

2. **Update** – Date of update.
3. **Site** – Full Site Name.
4. **Funding Source** – Full name and fund number as listed below.

General Fund 01	SRFCOP Fund 40
Deferred Maintenance Fund 14	Mello-Roos Fund 49
Prop BB Fund 21	QZAB
Prop O Bond Sale 1 Fund 22	Adult Ed
Prop O Bond Sale 2 Fund 22	Chargers
CSFF Fund 35	City of National City

5. **PM/PS** – Full first and last name.
6. **Project Name** – Will match “Consolidated Budget and Expenditure Monthly Status Report.”
For example: School acronym + project (DSA/ Drawings title)
7. **A-E** – Full name as listed on W-9.
If this has not yet been determined “TBD.”

If not necessary for this projects "N/A."

8. **Contractor** – Full name as listed on W-9.
If this has not yet been determined "TBD."
If not necessary for this projects "N/A."
9. **Inspector** – Full name as listed on W-9.
If this has not yet been determined "TBD."
If not necessary for this projects "N/A."

Project Description: Demolition of certain existing Track & Field components, existing bleachers and certain entry improvements. Removal and salvage of certain existing components and equipment per site. Construction of new synthetic track & field, metal bleachers, stadium lights, entry improvements, a toilet/concessions building, press box, and ticket booth.

Construction Status:

DSA In:	12/27/2013	Contract Duration:	TBD	% Complete:	TBD
DSA Out:	06/05/2014	Contract Start Date:	00/00/0000	Estimated Completion:	TBD
ID No.:	XX-XXXX-LM	Original Completion:	00/00/0000	Estimated Occupancy:	TBD

10. **Project Description –**


- ✓ Scope of work from approved DSA drawings.
- ✓ If DSA scope is not available, PMs should fill this section in. (Note: If the project is on hold, pending scope and BOT approval, PMs may obtain Moises' approval to not complete an Active Project Monthly Status Report.)
- ✓ Bond Project where the scope of work has not been determined, PMs should list Bond language in this section. For example: *"Proposition O Bond language lists five major areas of improvements for Bonita Vista Middle School: Classrooms, Multi-purpose Building, Library Improvements, Existing Special Need Rooms Enhancements or New Special Needs Adaptive Building, and a new Music Building. A new Music Building was completed under Prop O bond sale 1. Planning and Construction staff will meet with administration, staff and stakeholders to prioritize needs. Scope of work will be presented to the Board of Trustees for approval."*
- ✓ Estimated construction cost will not be included in this area.

11. **DSA Dates** – Will be 8 digits. If no date has been identified, please use 00/00/0000. If more than two dates, please say "Multiple."
12. **ID No.** – If no ID No. has been identified, please use XX-XXXX-PM. If more than two ID Nos., please say "Multiple." If this project did not go out to Bid, please list PO #. If more than two POs, please say "Multiple."
13. **Contract Duration** – As listed in Special Conditions specs. If there was a change order to increase the number of days that have been signed by Planning Director, should also be included. If no date has been identified, please use TBD.

14. **Contract Start Date** – As listed in Special Conditions specs. If no date has been identified, please use 00/00/0000.
15. **Original Completion** – (Any changes in this date need to be noted in Key Issues). If no date has been identified, please use 00/00/0000.
16. **% Completed** – Project Completion % (Not Construction). This should be provided by PM. If no date has been identified, please use TBD.
17. **Estimated Completion** – If no date has been identified, please use TBD.
18. **Estimated Occupancy** – Substantial completion date. If no date has been identified, please use TBD.

Summary Status				Original Budget		Committed Budget	
Description	Budgeted	Committed	Expended	Original Budget	Budgeted	Commitment Status	Committed
Site Cost	-	-	-	Initial Amount	-	Initial Contracted Amount	-
Soft Cost	-	-	-	Approved Changes	-	Construction Contract COs	-
Hard Cost	-	-	-	Pending Changes	-	Other Contract Changes	-
FF&E	-	-	-	Total	-	Total	-
Contingency	-	-	-	Budgeted Contingency	#DIV/0!	Budget Committed	0.0%
Total	-	-	-	Original Budget approved on 00/00/0000.			
Budgeted Hard Cost	#DIV/0!			Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E. Construction Contracts Change Orders (COs) are further described below.			

19. **Summary Status** – When completing this section staff will use the “Construction Object Account Code List” to determine cost description.
 Budgeted – Will represent Remaining Budget plus Committed.
 Committed – Will represent Expended plus Current Encumbrance.
 Expended – Will represent cumulative expenditures less retention.
20. **Original Budget** – This information will come from past M-1 (if prior to xx/xx/xxxx K-4). If staff has trouble finding this information, they will contact Finance for assistance.
21. **Committed Budget** – The “Total” amount will match the total committed amount in the Summary Status table. Contract Changes are any changes to all POs. Separate Construction Change Orders and Soft Cost and FF&E contract changes. Footnote should say:
Other Contract Changes represents any changes to Purchase Orders for Soft Cost and FF&E.
Construction Contracts Change Orders (COs) are further described below.

Project Status/Comments:

Summary - Key Issues: Bonita Vista High (BVH) Title IX is in the bidding stage with front end document review in process. This project will go out for bid in September 2016.
Change Orders: None.

22. **Pictures** – Standard will be 2 image minimum. If no image is available, staff will use school logo and school name and address. If only one image is available, staff will add the school logo as the second image. All images must be outlined with black border.

23. **Summary – Key Issues** – Do not leave blank. This is the catch all section. PMs will include:

- ✓ Brief description of project status
- ✓ Note any schedule changes
- ✓ Additional funding needed
- ✓ Next meeting with stakeholders, etc.

24. **Construction Contract Change Orders** – If there are no change orders, please say “None.”

If there are change orders, the format will be as follows:

For contracts w/ change orders (including return of allowance):

Casework Upgrades - GEM Industrial, Inc., Bid 23-2358-GP, DSA 04-112719

CO 1- Add lock on all cabinet doors and drawers in administration area. \$883.58 - Approved by the BOT on 9/16/2013 = .99%.

CO 2- Install new electrical outlet in the south working station. \$981.09 - Approved by the BOT on 10/21/2013 = 1.09%.

CO 3- Add locks on cabinet drawers in library and reception area. \$793.61 - Approved by the BOT on 11/18/2013 = 2.99%.

If there are multiple Bid packages, list all and note “No Change Orders.” Example below:

Fence Completion - Lightning Fence, Bid 34-2375-GP, DSA 04-112719

No Change Orders.

25. **Submitting the Active Project Monthly Status Reports** –

The following levels of review are required:

- i. Director of Planning and Construction Review
 - a. Each PM will submit their completed Monthly Status Reports to the Director of Planning and Construction for his review.

- b. PMs/PSs should incorporate any changes that are requested by the Director of Planning and Construction and inform the Senior Admin Assistant when the final Monthly Status Reports have been saved in the shared drive.
 - c. Senior Admin Assistant will merge all final (edited/reviewed) Monthly Status Reports into one document, in Alphabetical order, and submit to Capital Projects Financing and Reporting Manager.
 - ii. Capital Projects Financing and Reporting Manager Review
 - a. Review Summary Status, Original Budget and Committed Budget tables.
 - b. Confirm that projects are listed in the correct order and project name matches other reports.
 - c. Add footnotes and review formatting.
 - d. Finalize all sections of the M-1 Board Item/CBOC Report and submit to the Assistant Superintendent of Facilities and Operations for his review.
 - iii. Assistant Superintendent of Facilities and Operations Review
 - a. Capital Projects Financing and Reporting Manager will incorporate any changes that are requested by the Assistant Superintendent of Facilities and Operations.
 - b. Final M-1 Board Item/CBOC Report will be submitted to Executive Assistant, for uploading to District Website/Board Docs.

IX. EXHIBITS

EXHIBIT 1 – 3500 FORM



Planning and Construction Department

Form 3500 Facility Improvement Request

Instructions:

- 1) Complete *at least* items 1 through 7.
- 2) Attach a site map showing the location of the project.
- 3) Site Administrator to sign on line 11.
- 4) Send to Planning. Fax to 619-420-0339 or email to dulce.plummer@sweetwaterschools.org.

1. Date: _____ 2. Site: _____
3. Contact Person: _____ Phone: _____
4. Project Description:

5. Funding Source: _____
☐ Labor is being donated and/or ☐ Materials are being donated

6. Justification:
 - a. This project will benefit the site's instructional program by

- b. The overall benefit to the school and/or district operation is:

7. Budget: (for estimating purposes, soft costs are assumed to be 30%; actual soft costs may vary and will be recalculated by Planning.)

	Estimate	Revised (<i>Planning Use Only</i>)
Construction Costs		
Soft Costs (30%)		
Total Costs		

8. Proposed Vendor: _____
9. Proposed Vendor Contact: _____
10. Proposed Vendor Phone Number: _____
11. Name and signature of administrator reviewing and approving request:

Name: _____ Signature _____

EXHIBIT 2 – FUND REQUEST FORM

Capital Projects Funds Request Form (New Projects)			
<i>Purpose: To document authorization of a new project, prior to submitting to the District's Board of Trustees (via M-1 Board item).</i>			
Date: _____	Submitted By: _____	Signature: _____	
Site: _____	Project Category: _____	Project Type: _____	
Project Name: _____			
Project Description:			
Structural evaluation. Hazardous materials evaluation and possible abatement. California Environmental Quality Act (CEQA) evaluation.			
Project Justification:			
Preliminary tests and inspections are required before proceeding with master planning the site. The district needs the evaluation to determine whether the buildings are usable for the long term.			
Budget Requested: _____ Required Attachment(s): Accountability Budget Input Form			
Suggested Funding: _____			
Is Project consistent with Site Master Plan? _____	Site Master Plan approved on: _____		
Is Project consistent with Bond Language? _____	If yes, select Bond: _____		
Reference Bond Language:			
Is Project increasing the School Site's Capacity? _____ For CFD funding select on: _____			
Planning and Construction Director Signature: _____		Circle one: Approved or Denied	
(Signature & Date)			
Assistant Superintendent, Facilities & Operations: _____		Circle one: Approved or Denied	
(Signature & Date)			

EXHIBIT 3 – BUDGET INPUT FORM

Scanned from a Xerox Multifunction Printer.pdf - Adobe Acrobat Pro

File Edit View Window Help

Open Create Print Preview Find Comment Tools Fill & Sign Comment

1 / 3 121%

Budget Adjustment Request

Internal Controls Document - Review/Approval Transmittal for Budget Changes

Project: Castle Park High School - ADA Gymnasium Bleacher & Flooring Project 67-2616
 Budget: CPH Gymnasium Project Account Code: NN-0220-X-0000-8501-nnnn-000-812
 Start: 7/1/16 Duration: 2 Aging: By Year

Notes: Approved by BOT 12/14/15 Item M-5
 Increase to budget of \$500,000 approved by the BOT 1/23/17 Item M-1
 Increase to budget of \$35,000.00 approved by the BOT 5/22/17 Item M-1

Review / Approval		Routing List	
	Date		Initials / Signatures
Planning Specialist	/ /		
Project Manager	/ /		
Director	/ /		

Code	Description	Initial Budget	Approved Changes	Current Budget	Proposed Changes	Revised Budget	Committed	Expended	Remaining	Budget Variance
Funding Sources										
State	State	-	-	-	-	-	-	-	-	-
Local	Local	-	-	-	-	-	-	-	-	-
Total Funding Sources		-	-	-	-	-	-	-	-	-
Expenditures										
A	Site Costs	-	-	-	-	-	-	-	-	-
6220	Architect Engineering Fees	60,000	(6,050)	53,950	-	53,950	36,086	18,364	17,723	17,064
6221	DSA Plan Check Fees	4,400	6,417	10,817	-	10,817	9,307	9,307	-	1,510
6224	Other Costs - Planning	-	2,500	2,500	-	2,500	2,439	2,004	436	81
B	Planning Costs	64,400	2,067	66,467	-	66,467	47,832	29,675	16,157	18,635
6234	Other Costs - Construction	5,000	-	5,000	-	5,000	-	-	-	5,000
6236	Main Building Contractor	230,100	414,980	645,080	35,000	680,080	-	-	-	680,080
5751	Maintenance Work Orders	500	2,000	2,500	-	2,500	-	-	-	2,500
C	Construction Costs	235,600	416,980	652,580	35,000	687,580	-	-	-	687,580
6240	Construction Testing	4,000	11,150	15,150	-	15,150	14,442	3,285	11,157	708
D	Construction Testing Costs	4,000	11,150	15,150	-	15,150	14,442	3,285	11,157	708
6245	Inspection	12,000	3,000	15,000	-	15,000	-	-	-	15,000
E	Construction Inspection Costs	12,000	3,000	15,000	-	15,000	-	-	-	15,000
4310	Start Up Supplies	4,000	-	4,000	-	4,000	-	-	-	4,000
4410	Equipment > \$500	40,000	(11,150)	28,850	-	28,850	-	-	-	28,850
6410	Furniture & Equipment	-	85,020	85,020	-	85,020	85,018	-	85,018	2
F	Furniture & Equipment Costs	44,000	73,870	117,870	-	117,870	85,018	-	85,018	32,852
6299	Project Contingency	40,000	(7,067)	32,933	-	32,933	-	-	-	32,933
G	Project Contingency	40,000	(7,067)	32,933	-	32,933	-	-	-	32,933
Total Expenditures		400,000	500,000	900,000	35,000	935,000	147,292	32,960	114,332	787,708
Balance Remaining										
Balance Remaining		(400,000)	(500,000)	(900,000)	(35,000)	(935,000)				
Summary of Expenditure Budget										
Site Cost		-	-	-	-	-	Pending Changes PCO Count PCO Total		Approved Changes CO Count CO Total	

EXHIBIT 4 – RESOLUTION 4440 CONTRACT AMENDMENT APPROVALS

6/20/2017

Coversheet



July 25, 2016

Board Item - Q.-1.

Issue:

Resolution No. 4440.

Superintendent's Recommendation:

Adopt Resolution No. 4440, Delegating Authority to District Staff to Approve Individual Change Orders and Contract Amendments Subject to Statutory Limitations and Not-To-Exceed \$50,000.00, on Behalf of the District.

Analysis:

The Public Contract Code and the Education Code allow for the delegation of authority to staff to approve change orders and contract amendments that do not exceed statutory limitations. All change orders approved by delegated authority that exceed \$1,000.00, will be brought to the board for ratification.

In keeping with the goal to reduce the impact of construction on the educational program and minimize construction delays associated with pre-approval of change work, it is recommended that the following staff be authorized to execute change orders in the amount specified and to subsequently bring these change orders for board ratification.

Superintendent up to \$50,000.00;
Assistant Superintendent of Facilities and Operations up to \$50,000.00;
Chief Financial Officer up to \$50,000.00; and
Director of Planning and Construction up to \$50,000.00.

In the absence of these individuals, their designee shall assume this authority.

All change orders will be reviewed for accuracy and recommended for approval by the architect, inspector of record, and general contractor, prior to staff approval.

For questions regarding this board item, please contact Moisés Aguirre at 619/585-6060 or moises.aguirre@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description		Type
Q-1 Reso 4440		Resolution Letter
40. Item Q-1 - AUDIO CLIP - 07 25 16		Cover Memo

<https://sweetwaterschools.novusagenda.com/agendapublic/CoverSheet.aspx?ItemID=2212&MeetingID=112>

1/1

EXHIBIT 5 – RESOLUTION 4169 BIDDER PRE-QUALIFICATION

SWEETWATER UNION HIGH SCHOOL DISTRICT

RESOLUTION NO. 4169

**RESOLUTION ADOPTING DISTRICT STANDARDIZED)
QUESTIONNAIRE, FINANCIAL STATEMENT AND)
UNIFORM SYSTEM OF RATING PREQUALIFIED BIDDERS)
FOR CONSTRUCTION CONTRACTS FOR PROPOSITION)
O PROJECTS AND VARIOUS DISTRICT PROJECTS)**

ON THE MOTION of Member _____, seconded by Member _____,
the following resolution is adopted:

WHEREAS, the Sweetwater Union High School District ("District") is the public school district charged with the design and construction of 7-12 school projects ("Projects") in accordance with voter-approved bond measure Proposition O and various other District projects; and

WHEREAS, the District evaluated various delivery methods to choose the delivery method best suited for these Projects; and

WHEREAS, Public Contract Code Section 20111.5, permits the District to prequalify construction contractors using a standard questionnaire, financial statement and uniform rating system adopted by the District; and

WHEREAS, in order to utilize prequalification of construction contractors as a delivery method for these Projects, the governing body of the District must adopt: 1) a standardized questionnaire; 2) a standardized financial statement; and 3) a uniform system of rating bidders; and

WHEREAS, the District, in its evaluation of the various delivery methods, determined that prequalifying only contractors that have previously performed work valued at \$1 million and above will provide the ability to successfully perform the work to the quality, service and value standards of the District and the District's taxpayers; is in line with the expected values of the work contemplated; and is thereby, the optimum delivery method for these Projects; and

WHEREAS, the board of trustees has formerly authorized staff to accept or reject bids and re-advertise as necessary, issue notices to proceed, and award contracts for construction and modernization of campuses per Resolution No. 3329, adopted by the board of trustees on June 20, 2005.

NOW THEREFORE, BE IT RESOLVED:

1. The above recitals are true and correct.

2. The District properly evaluated the prequalification questionnaire, financial statement and uniform rating system for prospective bidders.
3. The District reviewed the prequalification guidelines provided in Public Contract Code Section 20111.5, and determined that it is in the best interest of the District and the public to utilize prequalification of construction contractors for Proposition O and various other District Projects, and recommends that the board approve the prequalification of construction contracts process for use on Proposition O and various other District Projects.
4. The board directs staff to establish a process for prequalifying prospective bidders utilizing the prequalification questionnaire, financial statement and uniform rating system.
5. Per Public Contract Code Section 20111.5(e), this authorization is considered valid for up to one calendar year following the date of the initial prequalification.
6. The board authorizes staff to accept or reject bids and re-advertise as necessary, issue notices to proceed, and award contracts for Proposition O and various other District Projects, to construction contractors who have been prequalified on the basis noted above. Staff's recommendations will be submitted for ratification to the board of trustees at a subsequent meeting.

PASSED AND ADOPTED by the Board of Trustees of the Sweetwater Union High School District, County of San Diego, State of California, this 24th day of September, 2012, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

State of California)
County of San Diego) SS

Resolution No. 4169
September 24, 2012
Page 3

I, Deanne Vicedo, Clerk of the Board of Trustees of the Sweetwater Union High School District, County of San Diego, State of California, do hereby certify that the foregoing is a true copy of a resolution adopted by such board at a regular meeting thereof, at the time and by the vote therein stated, which original resolution is on file in the office of such board.

Deanne Vicedo, Clerk

September 24, 2012
Date

EXHIBIT 6 – REQUEST FOR BID FORM



REQUEST FOR BID V. 03/02/16

Funding Source: <input type="checkbox"/> Def. Mtce. (14) <input type="checkbox"/> General Fund (01) <input type="checkbox"/> Mello-Roos (49) <input type="checkbox"/> Prop O (22) <input type="checkbox"/> County Facility Funds (35)	Bid No.: 45-2462-RD	Advertise In: Deadline for Ad's-Wed. <u>Noon</u> <u>3/11/15</u> <input type="checkbox"/> Enlace _____ & _____ <input type="checkbox"/> Filipino Press _____ & _____ <input type="checkbox"/> La Prensa _____ & _____ <input type="checkbox"/> S.D. Daily Transcript _____ & _____ <input checked="" type="checkbox"/> Star News <u>3/13/15</u> & <u>3/20/15</u> <input type="checkbox"/> Other _____ & _____ <input checked="" type="checkbox"/> <u>www.DemandStar.com</u>	Ad Dates: <u>Noon</u> <u>3/11/15</u> _____ & _____ _____ & _____ _____ & _____ <u>3/13/15</u> & <u>3/20/15</u> _____ & _____																
Bid Title: Montgomery High School Gymnasium Seismic Upgrades		Board Meeting Date: 4/27/15																	
Mandatory Job Walk- Date/Time: 3/31/15 @ 10:00 a.m. (7 days or longer for complex projects before receiving bids)		Type of Bid: <input checked="" type="checkbox"/> Construction <input type="checkbox"/> Professional Services <input type="checkbox"/> Other _____																	
Deadline for Pre-Bid RFI's Date/Time 4/7/15 @ 10:00 a.m. (3 days between Addendum and bid opening)		Due to CFO:																	
Deadline to Respond to Pre-Bid RFI's Date/Time 4/10/15 @ 3:00 p.m.		Contractor's License: <u>A and/or B</u> Allowances: <u>\$10,000.00</u>																	
Bid Opening Date/Time: Location: <u>LCR</u> 4/14/15 @ 2:00 p.m. (8 days from last ad to Bid Opening)		Construction Period: From: 6/8/15 To: 7/24/15 Specify working or calendar days: 47 working days																	
Estimated Value \$ <u>\$90,000.00</u>																			
Bid Security Contractor's License Contract Performance Bond Payment Bond for Public Works Insurance Certificate DVBE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Amount / Percent</td> <td style="width: 10%;">\$0</td> <td style="width: 10%;">or</td> <td style="width: 40%;">10%</td> </tr> <tr> <td>Specify</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Amount / Percent</td> <td>\$0</td> <td>or</td> <td>100%</td> </tr> <tr> <td>Amount / Percent</td> <td>\$0</td> <td>or</td> <td>100%</td> </tr> </table>		Amount / Percent	\$0	or	10%	Specify				Amount / Percent	\$0	or	100%	Amount / Percent	\$0	or	100%
Amount / Percent	\$0	or	10%																
Specify																			
Amount / Percent	\$0	or	100%																
Amount / Percent	\$0	or	100%																
Bidders List Attached																			
Contract Distribution:																			
Project Manager: <u>Trent Carr</u> Architect: <u>Dave Adams, BWE</u> DSA Inspector: <u>Hans Schlegel-CQAG</u> Special Testing: <u>Ninyo & Moore</u> Planning Specialist: <u>Stephanie Napier</u> DSA A# <u>04-113920</u> Tentative NOI: <u>4/21/15</u> <u>5 wking days from Open Bid</u> Tentative NTP: <u>5/1/15</u> <u>10 days from NOI</u> PWC-100: <u>5/1/15</u> <u>within 5 days of awarding contract</u> Pre-Qualification Deadline: _____ (Over \$1M) (up to 7 days prior to bid opening) c: Allie Serrano																			
APPROVAL: _____ Planning Project Manager / Date Trent Carr _____ Director of Planning & Construction / Date Karl Bradley _____ Purchasing Manager / Date Tim Duke																			

EXHIBIT 7 – RESOLUTION 2480 CONTRACT SIGNATURE AUTHORITY

SWEETWATER UNION HIGH SCHOOL DISTRICT

RESOLUTION NO. 2480

**RESOLUTION DESIGNATING AUTHORIZED }
AGENTS TO SIGN CONTRACTS }
FOR CONSTRUCTION PROJECTS }**

ON THE MOTION OF Member _____, seconded by Member _____, the following resolution was adopted:

IT IS RESOLVED AND ORDERED, by the Board of Trustees of the Sweetwater Union High School District that effective June 14, 2016, the superintendent and the assistant superintendent of business services are authorized as designated agents to sign contracts for construction projects.

PASSED AND ADOPTED by the Board of Trustees of the Sweetwater Union High School District, County of San Diego, State of California, this 13th day of June, 2016, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

STATE OF CALIFORNIA }
COUNTY OF SAN DIEGO }SS

I, Deanne Vicedo, Clerk of the Governing Board of the Sweetwater Union High School District of San Diego County, State of California, do hereby certify that the foregoing is a true copy of a resolution adopted by the board at a regular meeting thereof, at the time and by the vote therein stated, which original resolution is on file in the office of said board.

Deanne Vicedo, Clerk

June 13, 2016
Date

Resolution No. 2480
June 13, 2016
Page 2

Manual signature(s) of person(s)
authorized to sign forms(s)

_____ Superintendent

_____ Assistant Superintendent of Business Services

EXHIBIT 8 – CONTRACTOR PAYMENT REQUEST FORM



APPLICATION AND CERTIFICATE FOR PAYMENT SWEETWATER UNION HIGH SCHOOL DISTRICT

Planning & Construction Department
1130 Fifth Avenue • Chula Vista, CA 91911

Instructions: In Excel, fill in **BLUE** fields only. Attach supporting documentation. Submit 1 copy for signatures.

CONTRACTOR: **Contractor**
Address
City, State Zip

AUTHORIZED SIGNATORY: **I. M. Authorized**

CONTRACTOR PROJECT NO: **0**

APPLICATION NO.: **1**

APPLICATION DATE: **3/1/2017**

PAYMENT PERIOD ENDING: **2/28/2017**

SUHS PROJECT: **XXX Project 1**

BID NO. **xx-xxxx-GP**

CONTRACT/PO NO.: **SFxxxxx**

CONTRACT DATE: **1/1/2012**

DESIGN FIRM: **W.E. Draw, Inc.**

DESIGNER: **I. Drew It**

INSPECTOR (IOR): **I. Saw It**

SUHS PM: **I. Oversee It**

CONTRACTOR'S APPLICATION FOR PAYMENT:

Application is made for payment in connection with the Contract as shown below and on attached Payment Schedule.

1. Original Contract Sum		\$10,000,000.00
2. Net Change by Change Order		\$165,000.00
3. Contract Sum to Date	(1 + 2)	\$10,165,000.00
4. Total Completed to Date		\$302,250.00
5. Total Stored Materials		\$0.00
6. Total Earned to Date	(4 + 5)	\$302,250.00
7. Retainage:	5% (6 x 6)	\$15,112.50
8. Total Earned Less Retainage	(6 - 7)	\$287,137.50
9. Previous Payments		\$150,000.00
10. Current Payment Due	(8 - 9)	\$137,137.50
11. Balance to Complete	(3 - 9 + 10)	\$9,877,862.50
12. Percentage Complete	(6 / 3)	3%

☐ As-builts are up to date
☐ Project photos and Daily Reports have been uploaded
☐ Conditional Waiver Attached
☐ Project schedule has been updated and is current

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Contractor:

I. M. Authorized

By:

Date:

Contractor

APPROVED CHANGE ORDER SUMMARY		
Total Previously Approved:	\$15,000.00	0.2%
Total Approved this Month:	\$150,000.00	1.5%
TOTAL:	\$165,000.00	1.7%

CERTIFICATE FOR PAYMENT:

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Designer certifies to the Owner that to the best of the Designer's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED: **\$137,137.50**

Designer:

By:

Date:

I. Drew It

W.E. Draw, Inc

RECOMMENDED FOR PAYMENT:

Inspector of Record (IOR):

By:

Date:

I. Saw It

Planning Project Manager:

By:

Date:

I. Oversee It

APPROVED FOR PAYMENT:

Director of Planning and Construction:

By:

Date:

Karl Bradley

DISTRIBUTION by email: ☐ Contractor ☐ Project Manager ☐ District Accounting ☐ Architect

SUHS Planning and Construction
Contractor Payment (2/12)

EXHIBIT 9 – CONSULTANT CONTRACT CHECKLIST



STAFF	TASK
<input type="checkbox"/>	(PM) will review the pre-qualified consultant list and select at least three firms (if available) for each consultant needed. PM to provide justification if only one consultant is recommended based on prior work or expertise.
<input type="checkbox"/>	(PM) will review the selected firms with the (DPC).
<input type="checkbox"/>	(PM) Obtains proposals from the selected firms using Proposal template (PM).
<input type="checkbox"/>	Review the scope of services and price (PM).
<input type="checkbox"/>	Review required insurance documents (PS).
<input type="checkbox"/>	(PM) Recommends best value for services (considering both total cost and hourly rates) for approval by (DPC).
<input type="checkbox"/>	Negotiate the final price (if needed) (PM).
<input type="checkbox"/>	Under \$5k contract is PO + Proposal (if District template); If not on template, then reference to proposal must exclude any indemnity clauses (or other unacceptable clauses).
<input type="checkbox"/>	Prepare the contract for over \$5k (PS as directed by the PM).
<input type="checkbox"/>	Enter the contract commitment in the PMS (PS).
<input type="checkbox"/>	Generate the contract approval sheet from the PMS (PS). (amendment only)
<input type="checkbox"/>	Prepare the BOT agenda item (PS).
<input type="checkbox"/>	Prepare a budget adjustment form if necessary (PS).
<input type="checkbox"/>	Prepare the Purchase Requisition (PS) using Prop O or Prop BB PO numbers for Prop O & BB projects (PS).
<input type="checkbox"/>	Purchasing processes the Req. into a PO.
<input type="checkbox"/>	Send signed contract and BOT item to consultant (PS).

EXHIBIT 10 – DESIGN REVIEW & COST BENEFIT ANALYSIS

June 2017 - DRAFT

1

SWEETWATER UNION HIGH SCHOOL DISTRICT **Project Design Review Procedure**

Introduction

The intent of the Design Management Review Procedures is to accomplish the following:

- a) Establish a common methodology for reviewing project designs and construction cost estimates.
- b) Ensure the projects meet the project program scope, educational, technical and material specifications.
- c) Provide a process for the District's Design Management Team (DDMT) to review project specific issues related to project scope, budget, schedule and deviations from district adopted standards.
- d) Set common expectations on project review deliverables.
- e) Build upon and refine the design review process.

The reviews will be conducted at three key milestone deliverable phases.

- a) Meeting #1 – 100% Schematic Design (SD)
- b) Meeting #2 – 100% Design Development (DD)
- c) Meeting #3 – 100% Construction Documents (CD)

Review Stages

Projects will be reviewed at the completion of each design phase. Exceptions may be considered for unique projects. The following outline the general description of the various review levels.

100 % Schematic Design Phase

At completion of Schematic Design, the DDMT will review the submittal to assure general conformance of the SD deliverable. The following are the minimum submittal requirements for this phase of the project:

1. Overall campus site plan.
 - a. Note all existing structures and associated DSA A#’s.
 - b. Note current and proposed five department access.
 - c. Note limit of work line and illustrate graphically proposed project.
2. Enlarged Site demolition plan.
3. Enlarged site plan.
 - a. Note all dimensions from face of existing structures and/or major features.
 - b. Delineate all proposed design features.
4. Floor plan.
 - a. Identify all proposed room names.
 - b. Identify all proposed interior/exterior improvements.
5. Exterior Elevations (all sites).
 - a. Indicate all floor levels, top of roof and top of parapet heights.
 - b. Call out all proposed exterior finishes.
6. Diagrammatic Building Sections.

7. Preliminary Structural Foundation Plan.
8. Preliminary Structural Framing Plan.
9. Preliminary Mechanical Roof Plan.
10. Preliminary Mechanical Floor Plan.
 - a. Mechanical room layouts.
 - b. Single live major duct layout.
11. 100% Schematic Design Construction Cost Estimates.
 - a. The purpose of this estimate level is to provide a comprehensive cost estimate to compare to the budgetary and feasibility determinations made at conceptual design. This level is used to price various schemes as the project design develops. It may be used to price various design schemes to see which scheme fits the budget best or it may be used to price various materials or methods for comparison. The goal at the end of the schematic design is to have a design scheme, program and estimate that are all within the established budget. This estimate should be prepared in Master CSI Format. Information required for this level is schematic drawings, sketches, diagrams, conceptual plans, elevations, sections and preliminary project descriptions. Information is typically supplemented with descriptions of soil and geotechnical conditions, utility requirements, foundation requirements, construction type/size determinations, and any other information that may have an impact on the estimated construction cost.
12. Preliminary Project Schedule.
13. List of potential Value Engineering items with their associated cost for the District to consider.
14. Provide Cost Benefit Analysis for identified items if necessary/required.
15. Design narrative rational with descriptions of proposed mechanical, electrical, low voltage and special systems including proposed construction type and code analysis.

100 % Design Development Phase

Once the project is submitted through share point to the District for review, the District's outside review consultant will conduct an intake review of submittal to assure the submittal is in general conformance of the deliverable associated with this phase of the project. The following are the minimum submittal requirements for this phase of the project:

Architectural

1. Coversheet
2. Code Analysis
3. Site Plan
 - a. Site Demolition Plan
 - b. Enlarged Site Plan
 - c. Site Details
4. Floor Plan(s)
 - a. Enlarge Floor Plan(s)

5. Architectural Slab Plan (recommended)
6. Reflected Ceiling Plans
7. Roof Plans
8. Exterior Elevations
9. Building Sections
10. Wall Sections
11. Interior Elevations
12. Door & Window Schedule
13. Finish Schedule
14. Details
15. Equipment/Specialty Cut sheets

Civil

16. Civil Title Sheet/General Notes
17. Topographic Survey (furnished by District)
18. Grading Plan
19. Utility Plan
20. Details

Landscape

21. Proposed Planting Plan rendered with colored photos of proposed plant species and furnishing and/or other site built-in features.

Structural

22. Structural Title Sheet/General Notes
23. Foundation Plan(s)
24. Framing Plan(s)
25. Structural Framing/Masonry Wall Elevations
26. Details

Mechanical/Plumbing

27. Mechanical Title Sheet/General Notes
28. Mechanical Equipment Schedules
29. Preliminary T-24 Building Envelop Calculations
30. Mechanical Site Plan
31. Mechanical Floor/Zoning Plan(s)
32. Mechanical Floor Plan(s)
33. Mechanical Roof Plan
34. Mechanical Details
35. Mechanical Cut Sheets
36. Plumbing Title Sheet/General Notes
37. Plumbing Equipment Schedules
38. Plumbing Site Plan
39. Plumbing Floor Plan(s)
40. Enlarged Plumbing Floor Plan(s)
41. Plumbing Roof Plan(s)
42. Plumbing Details
43. Plumbing Cut Sheets

Electrical

- 44. Electrical Title Sheet/General Notes
- 45. Single Line Diagram
- 46. Light Fixture Schedule
- 47. Preliminary T-24 Lighting Calculations
- 48. Site Demolition Electrical/Lighting Plan
- 49. Site Electrical/Lighting Plan
- 50. Enlarged Site Electrical/Lighting Plan
- 51. Floor Power Plan(s)
- 52. Enlarged Floor Power Plan(s)
- 53. Floor Signal Plan(s)
- 54. Enlarged Floor Signal Plan(s)
- 55. Lighting Plan(s)
- 56. Roof Power/Signal Plan(s)
- 57. Fire Alarm Plan(s)
- 58. Details
- 59. Fire Alarm Schedule Calculations & Notes
- 60. Fire Alarm Details
- 61. Fire Alarm Cut Sheets
- 62. Light Fixture Cut Sheets

Fire Sprinkler

- 63. Fire Sprinkler Title Sheet/General Notes
- 64. Fire Sprinkler Site Plan
- 65. Fire Sprinkler Floor Plan(s)
- 66. Preliminary Seismic Bracing Calculations
- 67. Seismic Bracing/Hanger Details
- 68. Fire Sprinkler Cut Sheets

Specialty

- 69. Special Consultant Title Sheet/General Notes
- 70. Specialty Equipment Schedules
- 71. Specialty Floor Plan(s)
- 72. Specialty Enlarged Floor Plan(s)
- 73. Specialty Reflected Ceiling Plan(s)
- 74. Specialty Details
- 75. Specialty Cut sheets

Other Required Documents

- 76. Outline Specifications/Project Manual
- 77. Written Description of Proposed Alternates and Cost Estimate for each
- 78. 100% Design Development Cost Estimate
 - a. Estimates prepared at this level are used to verify budget conformance as the scope and design is finalized and final materials are selected. Information required for this level are drawings showing plans, elevations, sections, typical details, engineering design criteria, equipment layouts and outline specifications. This estimate level provides a greater amount of accuracy, made possible by more clearly defined and detailed design documentation. Estimates at this phase may be used for value engineering applications before the completion of specifications and design drawings.

79. Special Equipment Cut sheets
80. Color & Material Board
81. Constructability Review
82. Other (describe)
83. Preliminary DD Level Curtain Wall Drawings and Calculations

Construction Document Phase (100%)

Once the project is submitted to the District for review, the District's outside review consultant will conduct an intake review of submittal to assure the submittal is in general conformance of the deliverable associated with phase of the work. The following are the minimal submittal requirements for this phase of the project:

1. Five (5) full size, 100% Construction Documents (drawings and specification).
2. Constructability review comments - Project Architect to provide a report in sufficient detail that serves to advise the District of how the Architect dealt with, and/or, administered each of the review comments.
3. 100% Construction Document cost estimate.
 - a. This level is used to confirm funding allocations, to again verify the construction cost as design is being completed, for assessment of potential value engineering opportunities before publication of the final project design documentation for bids, and to identify any possible "design creep" items, and their costs, caused by modifications during the completion of the construction documents. This final construction document cost estimate will be used to evaluate the subcontract pricing during the bid phase. Estimates at this level are typically based on construction documents between 90 - 100% complete on plans that will be submitted to DSA. Information required for this level is detailed drawings showing plans, sections, elevations, details, schedules, specifications and bidding criteria.
4. List a potential Value Engineering items with associated costs for the Districts consideration.
5. Provide Cost Benefit Analysis for identified items if necessary/required.

Time Frames And Information Required To Schedule Review

The following information is to be provided at least two weeks prior to the scheduled Design Team Management Review Meeting.

	Responsible to Post	100% SD	100% DD	100% CD
a. Drawings and Specifications to be posted on SharePoint/Website prior to reviews.	Project Architect	AOR	AOR	AOR
b. Current cost estimate.	Project Architect	AOR	AOR	AOR
c. Program cost estimate review.	Program Estimator	DDMT	DDMT	DDMT
d. Current Budget Report (M1)	Program Controls	DDMT	DDMT	DDMT
e. Previous design stage review meeting minutes and notes.	Project Manager	PM	PM	PM
f. Provide timeframe to review estimate and prepare report.	Project Manager	PM	PM	PM
g. Schedule Design Management Team Review meeting.	Project Manager	PM	PM	PM

Responsibilities

Attendees:			
------------	--	--	--

		Meeting 1 SD	Meeting 2 DD	Meeting 3 CD
a.	A/E Team	x	x	x
b.	Program Management	x	x	x
c.	Project Manager	x	x	x
d.	Sr. Program Controls Manager	x	x	x
e.	Program Design Review Consultant	x	x	x
f.	Program Estimating Consultant	x	x	x
g.	Construction Manager (If Applicable)	x	x	x
h.	Consultant Review Team Reviewers (As Directed =Food Service, Theater, MEP, Landscape)		x	x
Format/Schedule:		Meeting 1 SD	Meeting 2 DD	Meeting 3 CD
a.	1-2 Hour Meeting	x	x	x
b.	Informal presentation by A/E Team to review and discuss project scope.	x	x	x
c.	One week prior to meeting, team must provide items as outlined above.	x	x	x
d.	Program Design Review Consultant to provide review comments on plans and specifications.	x	x	x
e.	After meeting, Architect to provide any additional responses to issues, reports and meeting minutes.	x	x	x
Design Review Objectives:		Meeting 1 SD	Meeting 2 DD	Meeting 3 CD
a.	Review and confirm project scope, budget and delivery method.	x		
b.	Identify any scope, schedule, and budget changes from the prior review meeting and explain the reason for the change.		x	x
c.	Discuss SDG&E savings by design and expected energy efficiency goals.	x		
d.	Discuss materials selected and review against district standards.	x	x	
e.	Review A/E cost estimate and budget. A/E to revise as needed to meet established budget.	x	x	x
f.	Review schedule.	x	x	x
g.	Record outcome of discussion, identify action items, value engineering targets, etc.	x	x	x
A/E Team Responsibility:		Meeting 1 SD	Meeting 2 DD	Meeting 3 CD
a.	Provide drawings and scope expectations for each part of the design phase.	x	x	x
b.	Savings by design meeting minutes.	x		
c.	Clearly define owner furnished items.	x		
d.	Review any agency issues (DSA, CDE, CEQA, State Funding)	x	x	x
e.	Identify deviations from the Master Plan and/or Educational Specification guidelines.	x	x	x
h.	Final Energy Model/Submit to Savings by Design (if applicable)		x	x

i.	Budget/Estimate reconciliation from the schematic design phase broken down by project. Identify changes, rationale for change and recommended alternates.		x	x
j.	Develop schedule and review modifications.	x	x	x
k.	Provide responses to design review comments within 2 weeks of the design review meeting, if not addressed at the meeting (must be approved by the District).	x	x	x
l.	Provide cost estimate.	x	x	x
Program Design Review Consultant Responsibility:		Meeting 1 SD	Meeting 2 DD	Meeting 3 CD
a.	Agenda preparation.	x	x	x
b.	Meeting Minute preparation.	x	x	x
c.	Review any significant open issues.	x	x	x
d.	Review energy model for accuracy.		x	x
e.	Review specifications against technical specs.			x
f.	Generate design review comments.	x	x	x
Program Estimating Consultant Responsibility:		Meeting 1 SD	Meeting 2 DD	Meeting 3 CD
a.	Clearly record scope.	x		
b.	Review cost estimates and analysis from A/E and CM.	x	x	x
Program Management Team Responsibility:		Meeting 1 SD	Meeting 2 DD	Meeting 3 CD
a.	Issue result of meeting (Issues/Opportunities, Record of Design Review, etc.)	x	x	x
b.	Review Agency Processing (State Funding Strategy Approach, CDE Kick Off, DSA Follow Up, CEQA Kickoff)	x	x	x

Information Required In Consultant's Estimate

The following information and items must be included in the Consultant's estimate:

General Information:

Consultant's Name	Delivery Method
Project Name	Square Foot of Project
Project Location	Architect/Engineer Name
Client Name	Review Phase: 100% SD, 100% DD or 100% CD
Estimated Project Duration	Date and Name of Plan Set
Construction Start Date & End Date	

Basis of Estimate:

Introduction:

- a. Brief description of the project being estimated.
- b. Note what the estimate is based on as far as labor, materials and equipment.

Documentation:

- a. Describe the documents and date of document used in preparation of the estimate. (Drawing Sheet No., Specifications, Sketches, etc.)
- b. Note any instructions or verbal direction given by the Owner or Architect.

Key Assumptions Used:

- a. Labor - Union/Prevailing Wages/Open Shop.
- b. Miscellaneous assumptions.

Burdens:

- a. General conditions.
- b. General Contractor overhead & profit.
- c. General Contractor Performance Bond & Insurance.
- d. Allowances (if applicable) including process
- e. Design contingency.
- f. Escalation to midpoint of construction.

Exclusions:

- a. Owner contingency.
- b. Off-site work.
- c. Loose equipment & furnishings.
- d. Soft costs.
- e. List of additional exclusions.

Estimate:

- a. Summary sheet showing the CSI division totals, burdens, etc.
- b. Detailed estimate in CSI Master format showing quantities, units of measurement, unit rates, and totals.

(Project Site Name)

100% Schematic Design Review - Submittal Requirements Checklist

Below is a list of the minimum submittal requirements for a 100% Schematic Design deliverables. Design professionals are responsible for a complete and accurate submittal.

Description	Provided	Incomplete	Missing	Remarks
Architectural				
• Overall Site Plan				
• Enlarged Site Demolition Plan				
• Enlarged Site Plan				
• Floor Plan(s)				
• Exterior Elevations (all sides)				
• Diagrammatic Building Sections				
Structural				
• Preliminary Foundation Plan(s)				
• Preliminary Framing Plan(s)				
Mechanical/Plumbing				
• Preliminary Mechanical Site Plan				
• Preliminary Mechanical Floor/Zoning Plan(s)				
• Preliminary Mechanical Floor Plan(s)				
• Preliminary Mechanical Roof Plan				
Electrical				
• Preliminary Site Electrical Plan				
• Light Fixture Cut Sheets				
Other Required Documents				
• Design narrative rationale with descriptions of proposed mechanical, electrical, low voltage and specialty systems including proposed construction type and code analysis.				
• Written Description of Proposed Alternates and Cost Estimate for each				
• Schematic Design Phase Cost Estimate				
• Preliminary Project Schedule				
• Other (describe)				

100% Design Development Review - *Submittal Requirements Checklist*

Below is a list of the minimum submittal requirements for a 100% Design Development deliverables. Design professionals are responsible for a complete and accurate submittal.

Description	Provided	Incomplete	Missing	Remarks
Architectural				
• Coversheet				
• Code Analysis				
• Site Plan				
○ Site Demolition Plan				
○ Enlarged Site Plan				
○ Site Details				
• Floor Plan(s)				
○ Enlarge Floor Plan(s)				
• Architectural Slab Plan (recommended)				
• Reflected Ceiling Plans				
• Roof Plans				
• Exterior Elevations				
• Building Sections				
• Wall Sections				
• Interior Elevations				
• Door & Window Schedule				
• Finish Schedule				
• Details				
• Equipment/Specialty Cut sheets				
Civil				
• Civil Title Sheet/General Notes				
• Topographic Survey (furnished by District)				
• Grading Plan				
• Utility Plan				
• Details				
Landscape				
• Proposed Planting Plan rendered with colored photos of proposed plant species and furnishing and/or other site built-in features.				

Structural				
• Structural Title Sheet/General Notes				
• Foundation Plan(s)				
• Framing Plan(s)				
• Structural Framing/Masonry Wall Elevations				
• Details				
Mechanical/Plumbing				
• Mechanical Title Sheet/General Notes				
• Mechanical Equipment Schedules				
• Preliminary T-24 Building Envelop Calculations				
• Mechanical Site Plan				
• Mechanical Floor/Zoning Plan(s)				
• Mechanical Floor Plan(s)				
• Mechanical Roof Plan				
• Mechanical Details				
• Mechanical Cut Sheets				
• Plumbing Title Sheet/General Notes				
• Plumbing Equipment Schedules				
• Plumbing Site Plan				
• Plumbing Floor Plan(s)				
o Enlarged Plumbing Floor Plan(s)				
• Plumbing Roof Plan(s)				
• Plumbing Details				
• Plumbing Cut Sheets				
Electrical				
• Electrical Title Sheet/General Notes				
• Single Line Diagram				
• Light Fixture Schedule				
• Preliminary T-24 Lighting Calculations				
• Site Demolition Electrical/Lighting Plan				
• Site Electrical/Lighting Plan				
• Enlarged Site Electrical/Lighting Plan				
• Floor Power Plan(s)				
• Enlarged Floor Power Plan(s)				
• Floor Signal Plan(s)				
• Enlarged Floor Signal Plan(s)				
• Lighting Plan(s)				

• Roof Power/Signal Plan(s)				
• Fire Alarm Plan(s)				
• Details				
• Fire Alarm Schedule Calculations & Notes				
• Fire Alarm Details				
• Fire Alarm Cut Sheets				
• Light Fixture Cut Sheets				
Fire Sprinkler				
• Fire Sprinkler Title Sheet/General Notes				
• Fire Sprinkler Site Plan				
• Fire Sprinkler Floor Plan(s)				
• Preliminary Seismic Bracing Calculations				
• Seismic Bracing/Hanger Details				
• Fire Sprinkler Cut Sheets				
Specialty				
• Special Consultant Title Sheet/General Notes				
• Specialty Equipment Schedules				
• Specialty Floor Plan(s)				
• Specialty Enlarged Floor Plan(s)				
• Specialty Reflected Ceiling Plan(s)				
• Specialty Details				
• Specialty Cut sheets				
Other Required Documents				
• Outline Specifications/Project Manual				
• Written Description of Proposed Alternates and Cost Estimate for each				
• Cost Estimate				
• Special Equipment Cut sheets				
• Color & Material Board				
• CM Constructability Review				
• Other (describe)				

100% (Insert Phase) - Design Review

Meeting Agenda

Review Date: (date)

Attendees:

Purpose of the Meeting

The purpose of the meeting is to the 100% Schematic Design submittal. Prepared by (insert AOR), and submitted on (insert date).

We will be reviewing the following:

- Review if the proposed submittal is complete.
- Review if the proposed submittal is in compliance with the District's Material Standards, Master Technical Specifications, and Education Specifications.
- Review the project architects estimate; reconcile it against the District approved M1 budget.
- Review project schedule.

Agenda

1. Introductions (All)
2. Introduction of project scope and process to date (AOR)
3. Review completeness of 100% Schematic Design Submittal (SP)
4. Review Project Architects Estimate (CR/AOR)
 - a. Reconcile against currently approved Level 3 Budget.
 - b. Identify any areas of cost increase.
 - c. Identify any areas of potential Value Engineering savings.
5. Review Design Review Comments (SP)
 - a. Compliance with District Material Standards & Master Specifications.
 - b. Compliance with District Education Specifications.
6. Review Project Schedule (AOR)
7. Next Steps (All)
8. Plus/Delta (SP)

SWEETWATER UNION HIGH SCHOOL DISTRICT
(Project Phase) Design Review Comments
(Campus Name)
(Project Name)

Sweetwater Union High School District - Design Review				DRAFT	
1.0 Project Details					
Project Name:	(Project Name)	Design To Budget:	(Insert District Budget)		
Project Location:	(Project Site Name)				
Project Number:	(District Project Number)	SD Est.			
Meeting Date:	(Report Date)	DD Est.			
Level of Design Meeting:	100 % Schematic Design Review	CD Est.			
Architect:	(Insert Project Architect Name)	Current Budget to Est.			
Delivery Method:	(Note Delivery Method)				
Estimated Construction Duration:	(Estimate construction time frame)				
Square Footage of Project Site Area:					
2.0 Summary					
3.0 Information Provided					
Drawings provided (66 sheets total)		Doc. Date		Received	
Cost Estimate (Prepared by Estimator)					
Cost Estimate (Prepared by RRC)					
Design-to-Budget					
Schedule					
Design Review Comments/Responses					
Estimate/Budget Review					
Sign-in Sheet					
4.0 Actions Authorized					
Approved By:					
Project Manager		Date:			
Finance & Reporting Manager		Date:			
District Architect		Date:			
Director, Planning & Construction		Date:			
5.0 Review of Cost/Estimate					
6.0 General Comments					
6.1 Utility and Storm Water Review Comments (CM)					
Item #	Reference Sheet#	Comment	Action	Responsibility	

SWEETWATER UNION HIGH SCHOOL DISTRICT
(Project Phase) Design Review Comments
(Campus Name)
(Project Name)

Sweetwater Union High School District - Design Review				DRAFT	
6.2 Landscape Review Comments					
Item #	Reference Sheet#	Comment	Action	Responsibility	
6.3 Architectural Review Comments					
Item #	Reference Sheet#	Comment	Action	Responsibility	
6.5 Mechanical Review Comments					
Item #	Reference Sheet#	Comment	Action	Responsibility	
6.6 Plumbing Review Comments					
Item #	Reference Sheet#	Comment	Action	Responsibility	
6.7 Electrical Review Comments					
Item #	Reference Sheet#	Comment	Action	Responsibility	
6.8 ETS Review Comments					
Item #	Reference Sheet#	Comment	Action	Responsibility	
6.9 Audio Visual Review Comments					
7.0 Review of Schedule (CM)					
8.0 Value Engineering Opportunities (CM)					
9.0 Approved Deviations from District Standard or Budget					
10.0 Cost Benefit Analysis					

SWEETWATER UNION HIGH SCHOOL DISTRICT
(Project Phase) Design Review Comments
(Campus Name)
(Project Name)

Sweetwater Union High School District - Design Review	DRAFT	

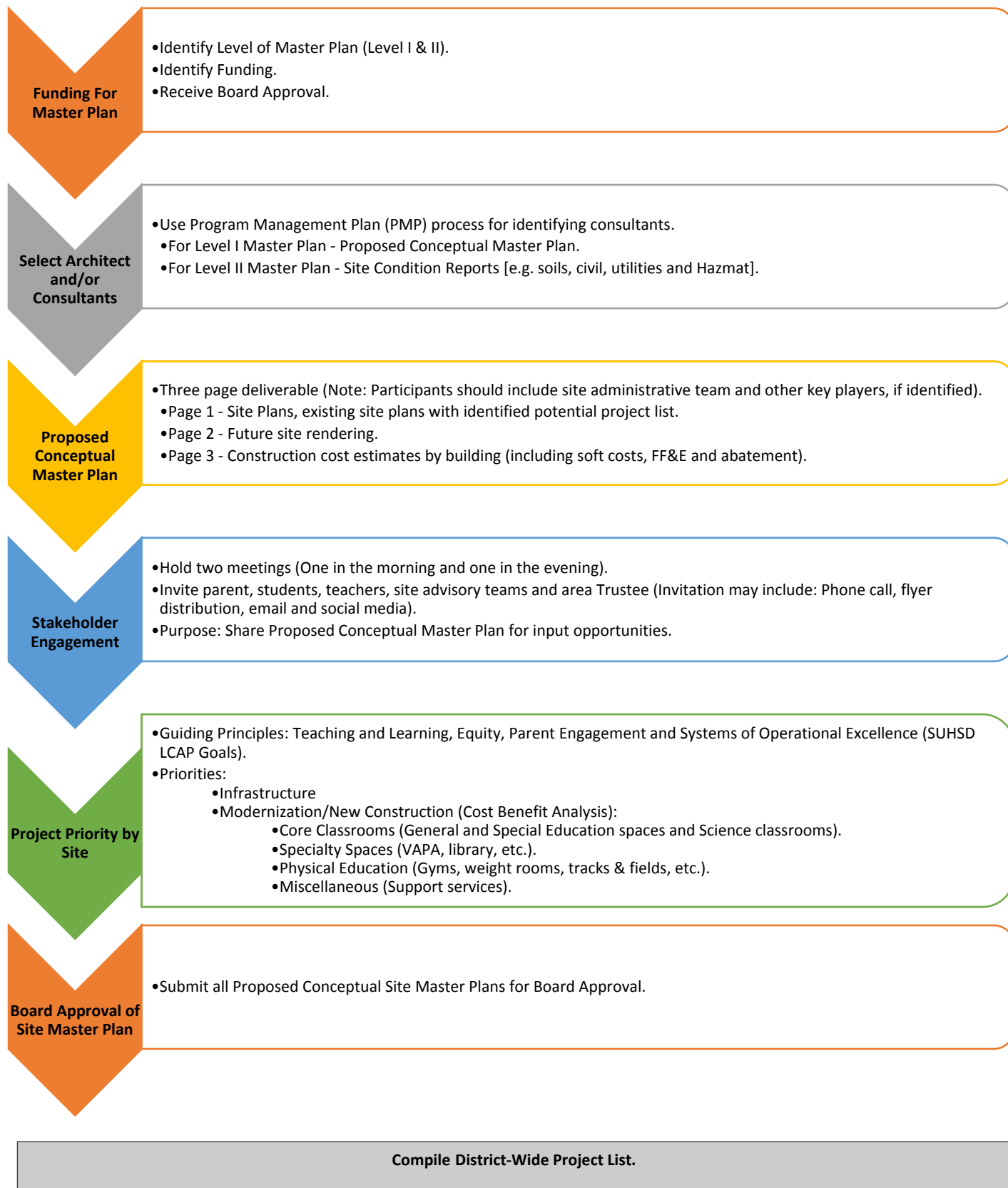
X. ACRONYMS

ADA	Americans with Disabilities Act
ASFO	Assistant Superintendent of Facilities and Operations
ASTM	American Society for Testing and Materials
AV	Audio Video
BIM	Building Information Modeling
CAD	Computer-aided Design
CAFM	Computer-aided Facility Management
CAL-EPA	California Environmental Protection Agency
CATV	Cable Television
CBC	California Building Code
CBOC	Citizens' Bond Oversight Committee
CD	Construction Documents
CDE	California Department of Education
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CHPS	Collaborative for High Performance Schools
CPTED	Crime Prevention through Environmental Design
D-B	Design-Build
DBB	Design-Bid-Build
DD	Design Development
DPC	Director of Planning and Construction
DSA	Division of the State Architect
DTSC	Department of Toxic Substance Control
DVD	Digital Versatile Disc
DWR	Department of Water Resources
EPA	Environmental Protection Agency
FDS	Facility Design Standards
HPI	High Performance Initiative
HVAC	Heating, Ventilation, & Air Conditioning
ICC-ES	International Code Council – Evaluation Service
IDF	Intermediate Distribution Frames
LAN	Local Area Network
LCCA	Life-Cycle Cost Analysis
LLB	Lease-Leaseback
MDF	Main Distribution Frame
MERV	Minimum Efficiency Reporting Value

MPOE	Minimum Point of Entry
NEMA	National Electrical Manufacturer Association
NFPA	National Fire Protection Association
OPALS	Ogren Plant-Allergy Scale
OPSC	Office of Public School Construction
P&CD	Planning and Construction Department
PA	Public Address
PC	Pre-Checked
PM	Project Manager
PMS	Project Management System
POS	Point of Sale
PS	Planning Specialist
PV	Photovoltaic
PV	Present Value (Product System & Material Analysis)
PVC	Polyvinyl Chloride
RAW	Remedial Action Work Plan
RFP	Request for Proposal
RFQ	Request for Qualifications
SCAQMD	South Coast Air Quality Management District
SUHSD	Sweetwater Union High School District
SWPPP	Storm Water Prevention Pollution Plan
UL	Underwriters Laboratory
WAN	Wide Area Network
WAP	Wireless access point
WPA	Wetlands Preservation Act



SWEETWATER UNION HIGH SCHOOL DISTRICT
Planning & Construction Department
Site Master Plan Process Flow Chart





June 26, 2017

Board Item - M.-5.

Issue:

Second reading and adoption of District Standards for planning and construction.

Superintendent's Recommendation:

Conduct a second reading and adopt the district standards for planning and construction.

Analysis:

The district uses a number of standards when planning and constructing schools, including codes, guides from the California Department of Education, past practices and maintenance standards. A Standards Committee was formed in 2013, which included principals, directors and other staff as needed, to update and compile the standards into one document. The committee met for approximately two years and the project was handed off to the district architect for completion in 2016. The district standards for Los Angeles Unified and Long Beach Unified School Districts, and other design guidelines, were also used as resource materials. This document has been reviewed by a number of stakeholder groups, including the Proposition O Citizens' Bond Oversight Committee (CBOC), and will be a living document that will be updated as educational facility needs and construction technology changes. The first draft of this document was reviewed by the board of trustees at the November 14, 2016, meeting, Board Agenda Item M-4, and has been revised in accordance with the board's recommendations.


On January 23, 2017, the board of trustees approved the agreement with the K-12 Public Schools and Community Colleges Facility Authority to provide District-Wide Roofing Standards. This work is now complete and has been incorporated into the district standards.

For questions regarding this board item, please contact Moises Aguirre at 619/585-6060 or moises.aguirre@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description		Type
	M-5 Standards Volume 1	Backup Material
	M-5 Standards Volume 2	Backup Material
	M-5 Roof Manual - Master	Backup Material



DISTRICT STANDARDS

DRAFT



4/4/2017

Volume 1 – Educational Specifications

The Educational Specifications and Design Standards for use by Design Professionals for new construction and modernization for Sweetwater Union High School District Schools.

Office of the District Architect
619.796.7729

District Standards

VOLUME 1 – EDUCATIONAL SPECIFICATIONS

PREFACE

This Educational Specifications and Design Standards portion of the District Standards is intended to give guidance to design professionals as they design modernization and new construction projects. These design standards will be continually updated as the educational facility and technology needs of the district evolve.

This redline version tracks changes and edits since November 2016 when the standards were first presented to the Board of Trustees.

Comments and recommendations should be submitted to Paul Woods, District Architect at paul.woods@sweetwaterschools.org.

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District Standards

VOLUME 1 – EDUCATIONAL SPECIFICATIONS

PURPOSE

The Sweetwater Union High School District (SUHSD) is committed to creating equitable learning environments. These Educational Specifications and District Standards were developed to provide direction to Design Professionals to enable the creation of quality facilities and spaces and to create uniformity with respect to quality and type of materials and systems to be incorporated into the various designs. Refer to Volume 2 – Technical Specifications for guide specifications for products, materials and installation standards.

BACKGROUND

There are a number of sources for District Standards: codes, guides from the California Department of Education, past practices and maintenance standards. A Standards Committee was formed in 2013 and included principals, directors and other staff as needed to update and compile the standards in one document. The committee met for about two years and the project was handed off to the District Architect for completion in 2016. The district standards for Los Angeles Unified and Long Beach Unified school districts and other design guidelines were also used as resource material. As noted in the preface, this document has been reviewed by a number of stakeholders and will be a living document that will be updated as educational facility needs change.

EDUCATIONAL SPECIFICATIONS

Educational Specifications are needed for individual projects to describe the educational objectives to the Design Professional and their team. This document provides a framework and general district-wide Educational Specifications that will need to be customized for individual projects. Creation of Educational Specifications for large projects will usually be guided by the Design Professional while District staff may prepare them for smaller projects.

Educational Specifications may include the following:

- Project Description
- Project Design Factors
- Activity Area Requirements
- Summary of Area Relationships
- Summary of Space Requirements

The Project Description may include the following:

- Justification for the project
- The relationship to other schools in the district
- Learning delivery methods
- The vision for this school in the community
- Any environmental and sustainability goals
- Community or joint-use goals
- Grade level organization and capacity
- Budget and funding source(s)

COMPLIANCE WITH STANDARDS

All Design Professionals (architects, engineers, etc.) shall follow the requirements and standards in this document for the planning and design of new construction (including additions), modernization or alterations to school buildings and sites. These standards are not intended to dictate the scope of work or to restrict creativity or innovation. It is the Design Professional's responsibility to develop scope within the budget established as the project progresses through the design phases per their Agreement.

The District welcomes suggestions to improve these standards; however, deviations from these standards need to be specifically approved, in writing, by the District's designated representative. Any deviation requests should be submitted as early in the design phase as possible. It is the objective that continued input from the Design Professionals, District Staff, and other stakeholders will result in continuous improvement of these Design Standards.

These Design Standards do not address all items required for all projects. The intent is to address the District's concerns and those items that require standardization. Specialty products unique to an individual project that are not addressed in these Standards will need to be reviewed and approved by the District Representative prior to completion of Construction Documents.

TEACHING AND LEARNING

Generally, the educational delivery method includes the following. Specialized or pilot programs may vary significantly from this list.

- Subject matter departments
- Interdisciplinary collaboration
- Teaching and learning using a combination of:
 - Lecture
 - Independent work
 - Small group collaboration
 - Project based learning
- Team teaching
- Special education mainstreaming
- Learning outside of the classroom (experiments, etc.)

GENERAL DESIGN STANDARDS

The Educational Specifications for each project should incorporate the following Design Standards as appropriate for the size and nature of the project. Modernization projects should consider equity in facilities to other schools in the district.

1. **Learning Environments.** Schools should provide instructional spaces that facilitate student-teacher interaction with collaborative learning, flexibility to accommodate different teaching styles, and a health-enhancing environmental ambience. Designers should recognize that the exterior spaces on the campus are also learning environments.
2. **Architectural Quality.** The appearance, layout and overall character of each school should be both pleasing and stimulating to students, staff, parents and the surrounding community. Additions or alterations to existing sites should take into account compatibility with existing facilities. The design should foster a sense of pride of ownership by students and staff.
3. **Flexibility.** Site layouts should be designed for future expansion.
4. **Accessibility.** All District facilities must accommodate all students, staff and community members including the physically disabled, wheelchair-bound, deaf, visually or emotionally impaired. Projects shall be designed to meet the Americans with Disabilities Act and other applicable accessibility codes. Do not design to the absolute minimum or maximum when construction tolerances may result in non-compliant design.
5. **Safety and Security.** Schools must be safe without appearing prison-like. Structures, fences and site amenities shall be designed to maintain safety, prevent unauthorized access and deter vandalism. See section on Crime Prevention through Environmental Design (CPTED).
6. **Community Focus.** Schools are used as community centers. School buildings and fields shall be laid out in a manner that enhances the learning environment while recognizing the need for secure access to facilities commonly used by outside groups.
7. **Sustainability.** On March 10, 2008, the Board of Trustees adopted Resolution 3794 Directing Green Building Practices to be Employed Where Possible During the Proposition O Construction Program. Regardless of funding source, all projects shall be designed to minimize operating costs, in particular for energy and water use. While obtaining LEED certification or CHPS verification is not required, Projects shall be designed with a goal of meeting the requirements of LEED Gold.
8. **Maintenance.** Projects shall be designed to minimize maintenance requirements. Durable products that are easily maintained shall be incorporated in the design. The Design Professional may request a deviation from these Design Standards if there are products or systems that will improve maintainability or durability.

STATE REQUIREMENTS

Projects shall be designed in conformance with the California Department of Education requirement delineated in the California Code of Regulations, Title 5, Division 1, Chapter 13, Subchapter 1, Sections 14001 through 14036. These Design Standards incorporate by reference the standards in Article 4, Standards, Planning and Approval of School Facilities (Section 14030) even if they are reiterated in this document.

Projects shall be designed in conformance with the following sections of the California Building Standards Code (California Code of Regulations, Title 24):

- Part 1 California Administrative Code
- Part 2 California Building Code.
- Part 3 California Electrical Code
- Part 4 California Mechanical Code
- Part 5 California Plumbing Code
- Part 6 California Energy Code
- Part 9 California Fire Code
- Part 10 California Historical Building Code.
- Part 11 California Green Building Standards Code (CALGreen)
- Part 12 California Reference Standards Code

SITE DESIGN STANDARDS

1. Standard School Site Sizes

- a) Middle School Options
 - i) 1,000 students on 20 acres
 - ii) 1,500 students on 25 acres
- b) High School: 2,200 students on 50 acres with expansion to 2,400.
- c) Statistically, high school enrollment is about 2.4 times middle school enrollment so the ideal ratio would be two 1,000 middle schools for each 2,400 student high school.
- d) Provide level pad, utilities and path of travel for temporary expansion through the use of portable classrooms. Size for 20 percent of the school size.

2. General Site Layout

- a) Parent drop off, bus loading areas, student parking and parking shall be separated to allow students to enter and exit the school grounds safely. Bus and vehicle drop off for events such as football games shall be considered.
- b) Adequate physical education teaching stations (hard court and fields) shall be available to accommodate course requirements.
- c) Provide areas of refuge within the campus to eliminate the need for panic hardware on gates in perimeter fencing.
- d) Delivery areas shall be located to provide vehicular access that does not jeopardize the safety of students and staff.
- e) Ample lighting shall be provided for parking lots and paths of travel. The paths of travel may be zoned to allow for use of different areas of the campus after dark. For example: parking and access to the stadium may be needed while the rest of the campus is dark and inaccessible.
- f) Parking should be located with good access to areas commonly used for community use and after school programs or events such as libraries, media centers, multi-purpose rooms, cafeterias, auditoriums, fields, courts, and stadiums.
- g) Buildings should be sited away from noise sources and air pollution such as streets.
- h) Electrical service transformer and switchgear locations to be approved by San Diego Gas & Electric. This gear should be located in areas that do not detract aesthetically from the campus.

3. Crime Prevention through Environmental Design (CPTED)

- a) Projects must employ the principles of CPTED.
- b) Natural surveillance – the design and placement of physical features in such a way as to maximize visibility. There shall be no hiding places or areas of impaired visibility. Avoid isolated gathering areas and blind spots in corridors.
- c) Access Management – the physical guidance of people coming and going from a space. Access management defines and directs legitimate users to the safest way into and out of buildings, parking areas and pedestrian walkways. Access management may also direct students, staff and visitors past key locations for contact, communications and observation. The entire perimeter of the campus is to be fenced with limited, controlled access points, and the building compound should have secondary fencing and limited, controlled access points to enable restricted access for community use during non-school hours.
- d) Territoriality – the delineation of private, semi-private and public space or the use of physical attributes that express ownership. A well-defined space that appears to be “owned” will tend to encourage acceptable behavior while discouraging illegitimate or disruptive users. Clean and well-lit spaces tend to encourage positive social interaction. Incorporate areas for supervision of gathering places.
- e) For additional information, refer to the National Crime Prevention Council’s website at: <http://www.ncpc.org>.

4. Architectural Site Items

- a) Provide a lighted flagpole at the office entrance to each school and at each football stadium. Height not to exceed 30’-0” and must have an internal lanyard.
- b) Provide a minimum 8-foot high ornamental fence around the perimeter of the site except at fields or hard courts. Detail and coordinate fabrication to accommodate gate hardware. Include tight mesh screening to secure areas around panic hardware to prevent unauthorized access.
- c) Provide a minimum 10-foot high chain link fence around the perimeter of site at fields and hard courts. 1” openings shall be provided where climbing may be anticipated such as near building roofs.
- d) Chain link fencing is also allowed at utility enclosures as long a clearance for maintenance is provided.
- e) All parking lots and access driveways are to have vehicle gates.
 - i) The gate used for deliveries shall be a sliding motorized gate.

- ii) If the delivery gate does not lead to access of the interior of the campus, a second sliding motorized gate shall be provided.
- iii) Motorized gates shall utilize "v" tracks on concrete, not asphalt, and shall have guide wheels at the top of gate posts.
- iv) Bar-type swing gates may be used on main entry driveways.
- v) The maximum leaf of a sliding gate is 26 feet for a 20-foot opening.
- vi) The height of sliding gates shall match the height of the adjacent fence.
- f) Pedestrian gates to be maximum 8-foot high, with transoms at taller fences.
- g) Fencing, walls and other architectural features shall be designed so that it does not provide access to roofs.
- h) Show score lines and details for site concrete (flatwork).
- i) Provide six-inch by six-inch concrete mow strips (with #4 reinforcing bar) between turf areas and planters, buildings, or other obstructions. Provide 12-inch wide concrete mow strip on either side of fences where turf is planted adjacent to fences.
- j) Where asphalt abuts the building, provide a 12-inch concrete edge bordering the building to eliminate asphalt touching the building.
- k) Do not locate raised planters adjacent to buildings. Raised planters, retaining walls, concrete benches and other low barriers shall utilize notched concrete as skateboard deterrents. Other deterrents may be used if approved by the District's Representative.
- l) Stand-alone handrails shall be provided with skateboard deterrents.
- m) When providing unit pavers, secure perimeter pavers in concrete setting bed.
- n) Site stairs to be concrete without metal nosings. Provide tooled nosings with contrasting color stripes.
- o) Coordinate access gates, fire lanes, access roads, remote pumper, and fire hydrant locations with the local fire jurisdiction.
- p) Provide access for ride-on mowers to all turf areas, including curb cuts, ramps and gates.
- q) Parking Lots and Access Roads:
 - i) Asphalt fire, bus and truck access roads (and parking lots drive aisles) shall be 4-inch asphalt over 12-inch crushed aggregate base section, or greater, if required by the geotechnical report.
 - ii) Other asphalt paving shall be 3-inch asphalt over 8-inch crushed aggregate base section, or greater, if required by the geotechnical report.

- r) Exterior walkways: Where doors swing into exterior walkways, integrate the door swing path into the paving design. Door stops shall be mounted on the walkway, not the building. Walkways next to doorways shall be doweled into the building foundation to eliminate differential settlement.
- s) Bike Racks: Provide chain link fencing around bike rack area for security and locate the enclosure in an approved visible area on site. Quantity of racks is site specific and should be determined by the project/site needs. Provide concrete paving to accommodate bike rack anchors.
- t) School Gardens: Only include when specifically included in the project scope, design raised planters with irrigation.
- u) Include a non-obtrusive paved location on site, ten-foot by twenty-four-foot (10' x 24'), to accommodate an eight-foot by twenty-foot (8' x 20') emergency preparedness cargo container.
- v) Provide a location adjacent to a building, which can accommodate a 25-foot by 8-foot mobile trailer for maintenance repairs. Building must have an electrical receptacle approximately 10 feet above finish floor for trailer to be plugged in.

5. Physical Education (PE) and Athletic Facilities

- a) PE fields and hard courts should be located on the periphery of the campus. All fields and courts should be located adjacent to parking, restrooms, ticket booths and concessions to facilitate events.
- b) Field space shall be designed to accommodate physical education activities and all men's and women's varsity sports. All designs must meet Federal Title IX standards.
- c) Hardcourt areas shall include a painted number system for PE Roll Call Numbers. Coordinate exact numbering system and location with District Representative.
- d) Design playground equipment in accordance with the National Program for Playground Safety (NPPS) standards and provide design options to the design team.
- e) Exterior Basketball Courts: Provide 16-foot high 4½-inch diameter post with 4-foot extension with a straight and square backboard. Mount backboards at 10 feet to top of the goal ring. Back-to-back backboards on single posts require the approval of the District Representative.
- f) Physical Education Fields except for stadiums shall be natural turf.
- g) High School Stadiums
 - i) Artificial Turf: Provide synthetic turf installation complete with an irrigation system for disinfecting and cooling and drainage system.

- ii) Running tracks: Provide all-weather synthetic surface. Provide power, conduit and weatherproof connection boxes for timing devices.
- iii) Provide conduit to connect the field with the press box for communications and PA purposes.
- iv) Provide home and visitor ticket booths (at least two sales windows). Separate entrances are desirable.
- v) Provide a concession stand that can serve both the home and visitor sides with separation if necessary. At least six sales windows.
- vi) Provide restrooms to serve the stadium for both home and visitor sides. These restrooms may serve other PE fields.
- vii) Provide storage buildings (not containers) for PE and sports such as: football, track, soccer, field hockey, lacrosse, baseball, softball, etc.
- h) High School Baseball and Softball Fields:
 - i) Dugouts may be chain link and shall not be recessed.
 - ii) Provide fixed benches in the dugouts.
 - iii) Provide storage facilities.
 - iv) Provide concrete pads for portable bleachers.
 - v) Provide a drinking fountain.
 - vi) Provide a batting cage with galvanized chain link and non-climbable mesh.
 - vii) Provide quick coupler connections so that the infield and the batting cage area can be watered down periodically.
 - viii) Provide power requirements at the field and batting cages for pitching machines and other electrical equipment.
 - ix) Provide ticket booths (at least two sales windows).
 - x) Provide a concession stand that can serve both the softball and baseball. At least four sales windows.
 - xi) Provide restrooms to serve the both softball and baseball fields. These restrooms may serve other PE fields.
 - xii) Provide storage buildings (not containers) for PE and sports such as: football, track, soccer, field hockey, lacrosse, baseball, softball, etc.
 - xiii) Provide equal stadium seats (stands) for both softball and baseball and softball.
- i) High School Backstops:

- i) Provide galvanized chain link fencing with 2-inch mesh and top, middle, and bottom rails.
- ii) Minimum of 20 feet high and higher where required.
- iii) Boars shall not exceed 42 inches high in order to provide viewing from wheel chairs.
- iv) Provide vertical fencing only, no horizontal fencing.
- j) High School Exterior Scoreboards:
 - i) Provide scoreboards for each stadium, varsity baseball and varsity softball field.
 - ii) Provide power and provide an empty conduit for wired control even if the scoreboard is wireless.
- k) High School Pools:
 - i) Pool must meet CIF requirements to be a competition pool.
 - ii) Coordinate pool supply room and ventilation requirements for chemicals and items to be stored.
 - iii) Provide stadium seats (stands)
 - iv) Provide shade structure for the stadium seats.
- l) Tennis Courts:
 - i) Tennis courts should be designed in accordance with United States Tennis Association requirements.
 - ii) Locate tennis courts on the perimeter of the site near parking to facilitate public use. Lights are optional.
 - iii) Provide 9 foot high windscreens centered vertically on 12-foot high fences.
 - iv) Provide 4 foot wide gates to each court
 - v) Provide a 12-foot gate and 12-foot openings between courts if the court has lights that cannot be maintained from outside the court.
 - vi) Provided net standards for each court.

6. Site Gathering Areas

- a) Areas between buildings, quads and eating areas are learning environments.
- b) Provide a main quad for each campus.
- c) Exterior amphitheaters are desirable.

- d) Provide areas for small groups, both formal classes and informal gatherings.
- e) Provide a senior lawn area at high schools.

7. Site Furnishings

- a) Provide anchored outdoor tables, trash, and recycle receptacles.

8. Site Accessibility

- a) Review existing site access from public right-of-way(s) for compliance with current ADA requirements for path of travel including landings, signage, path-of-travel, railings, and other requirements.
- b) Review parking lot access and accessible parking access to site. Verify stall count, van accessible locations, ramps, signage, lighting, and path of travel is compliant with current ADA requirements.

9. Site Concrete

- a) Thickness and base requirements for site concrete to be determined from the geotechnical report recommendations.
- b) Reinforce concrete with minimum #3 reinforcing bars at 18 inches on center, each way.
- c) Control, construction, and expansion joints shall be identified and indicated on the drawings and detailed.
- d) Provide dowels at all expansion joints and when new concrete adjoins existing concrete.
- e) Non-structural concrete flatwork shall be a minimum of 2,500 PSI, unless otherwise required by soils report. Non-structural flatwork shall be excluded from the DSA test and inspection form.
- f) Do not use textures other than medium broom finish or top-cast etching at horizontal concrete. Obtain permission from the District to implement design concepts that require patterns, textures, or colors in site concrete.
- g) Slope all sidewalks and hardscape, surrounding planter areas, towards the landscape.

10. Civil (Site Service Utilities, Grading and Drainage)

- a) Obtain geotechnical report with percolation test data from the District Representative.
- b) Water monitoring: Provide a system that provides District-supervised, water monitoring at the site.
- c) A qualified civil engineer or SWPPP consultant is required to prepare and obtain approval of the SWPPP. Require contractor to provide and maintain erosion control and all-weather

access during construction per the approved Storm Water Pollution Prevention Plan (SWPPP). Obtain the Department of Water Resources (DWR) "SMART" website access information from the District Representative.

- d) In addition to requiring the contractor to notify Dig Alert and local utility service providers, require the contractor to hire an underground utility locating service and identify underground utilities prior to start of construction.
- e) Coordinate and verify building utility services tie-ins with existing infrastructure capacity and with the local utility companies. Confirm available utility capacities and available gas and water pressures. Incorporate findings into the Field Report due at the end of the Schematic Design phase.
- f) The grading on the site should be balanced to avoid import or export of soil.
- g) Provide a balance calculation including the spoils generated by footing excavation.
- h) Separate landscape areas from paved areas with a moisture barrier that will prevent irrigation water from migrating under paved areas.
- i) Retaining walls, and raised planters shall have a waterproofing membrane and moisture barrier and have a drain system tied into the storm drain system. Show points of connection for retaining wall foundation drains.
- j) Provide drain inlets at downspout discharges for indirect connection. The downspout should discharge onto drain inlet grate with enough clearance to service the drainage structure. Coordinate inlet structure with footing design.
- k) Storm drain underground piping to be straight pipe with structures for cleanout at the changes in direction. Avoid the use of "Y" fittings when possible.
- l) Drainage Structures:
 - i) Catch basins to be concrete, with 24-inch square minimum grate size.
 - ii) Provide bottoms on catch basins.
 - iii) Set basins in six inches of gravel base.
 - iv) Inlets in sump conditions or recessed areas shall be designed for relief overflows to prevent inundation of buildings
 - v) Parkway culverts to be minimum 4 inches high.
 - vi) Locate drainage structures away from or outside of play fields.
- m) Slopes and Drainage:
 - i) Do not design slopes to code maximum to avoid compliance issues due to allowable construction tolerances.

- ii) Provide 1.9 percent maximum cross-slope for path-of-travel.
- iii) Minimum slopes for asphalt concrete shall be 1 percent.
- iv) Minimum slopes for concrete pavement shall be 0.5 percent.
- v) Concentrated flows in asphaltic concrete areas shall be contained in a 3-foot wide concrete drainage gutter with 8 inches of base below. Use horizontal reinforcing bar in gutters and dowel joints.
- vi) Maintain 2 percent slopes for grass fields.
- vii) Grass slopes shall be maintained at 4 to 1 or flatter to allow for mowing. Steeper slopes shall be planted with landscape shrubs or ground cover.
- n) Site Water Mitigation:
 - i) See landscape requirements for irrigation water mitigation.
 - ii) Installation and location of drainage retention devices shall be determined on site characteristics based on geotechnical and hydrology reports.
 - iii) Submit water mitigation methods to the District prior to implementation.
 - iv) Comply with DWR and CHPS requirements for water run-off.
- o) Review water services requirements including fire service connections with local water purveyor prior to design. Confirm typical details used by the agency.
- p) Coordinate placement of double detector check assemblies for water and fire services with local water purveyor and designated District Representative who will coordinate with the District's Maintenance Department. Detector assemblies shall be accessible from adjacent street and secured with approved locking devices.
- q) Piping:
 - i) Underground water piping 3-inch and under shall be copper. Larger pipe to be PVC.
 - ii) Fire service lines shall be PVC piping.
 - iii) Sewer piping shall be SDR 35.
 - iv) Ensure compliant slope and proper drainage is achieved.
 - v) Storm drain pipe shall be PVC. Only use concrete when required by local agency for tie-in. Do not use corrugated pipe.
 - vi) Wrap metal pipe, regardless of soils conditions.
 - vii) Non-metal (undetectable) piping shall have a tracer wire.
- r) Trenches:

- i) Native soil is the District's preferred backfill to avoid materials export.
- ii) Compact to 90 percent (or higher when required by soils report).
- iii) Provide metallic warning tape 12 inches below grade above utilities.
- s) Standard Details:
 - i) Use City or County Standard Details for work in the public way.
 - ii) Provide project specific details on the plans and specifications based on Greenbook standard details where applicable. Do not just reference Greenbook details or requirements.
- t) Testing: Require flood testing, including landscaped areas in presence of inspector to confirm drainage.

11. Imported Fill Material Requirements

- a) Imported fill should be free from environmental contaminants, and should consist solely of native soil and rock materials. No recycled materials should be imported onto a school site, and must not be mixed into or in any way made a part of any other material. Thus, crushed miscellaneous base, crushed brick mixes for baseball diamonds; etcetera must never be specified. Organic materials, such as mulch and those which contain a mixture containing organic materials (e.g., rice hulls), must be individually approved by the District's Representative.
- b) Imported materials must be suitable for engineered fill, even if used at landscaping, free from large rocks.
- c) Imported materials shall not have high clay content and must meet the permeability requirements of the projects' hardscape.

12. Landscaping

- a) General Landscaping Requirements
 - i) Obtain the agricultural suitability soil test and percolation test for determinations on landscape requirements from the District Representative.
 - ii) Landscaping is to be as maintenance free as possible.
 - iii) Use organic soil amendments to help restore the health of disturbed soils.
 - iv) Evaluate condition of existing topsoil and specify amendments as appropriate. Utilize on-site soil whenever possible.
 - v) Develop master landscape design character and theme for school sites. Site design shall be zoned; e.g. front of school, parking lots, quads, play fields, building

adjacencies, buffer zones, and pedestrian traffic areas. Differences in design criteria will occur based on grade level.

- vi) Employ Crime Prevention Through Environmental Design (CPTED) strategies. Refer to General Site requirements for additional information. In particular, be aware of the following:
 - (1) No hiding spots with clear sightlines and visibility. Maintain visibility through landscaping from street for police patrol.
 - (2) Ensure that key areas (parking, bicycle storage, drop-off points, play equipment, entries) are easily observable from inside the building
 - (3) Coordinate tree placement with video surveillance cameras. Allow visual surveillance of all entries from inside the school
- vii) Adhere to State AB1881 directives, group plantings appropriately based upon water use. Create planting groups by specifying varieties of plants that are similar in native habitat and watering requirements.
- viii) Preserve existing vegetation, especially groups of plants or significant specimens wherever possible.
- ix) Coordinate with civil and architectural the storm water design impact on landscaping and irrigation systems that slow water velocity, maximize its use for irrigation, and filter pollutants. Minimize maintenance requirements for bioswales. Utilize best management practices for fine grading and drainage.
- x) Coordinate with designated District Representative for construction schedule to accommodate the following requirements:
 - (1) All turf areas are to be sod and planted at least 180 days prior to occupancy to be established enough for use at time of occupancy.
 - (2) All other plantings are to be planted at least 90 days prior to occupancy.
- xi) Select planting to enable compliance with CHPS requirements for water usage and mitigation.
- xii) Planter areas are to have weed fabric installed and four inches of shredded bark mulch. Apply mulch in planting areas to prevent weed growth, protect soil, reduce water loss, and prevent irrigation from washing into other areas.
- xiii) Planter areas shall have proper drainage. All raised planters are to have sub-grade drainage in addition to surface drainage. Coordinate with civil requirements and drainage plans.
- xiv) Specify ground cover and shrubs in lieu of turf in areas too small to accommodate ride-on mowers. Avoid turf areas less than 72 inches clear width.

- xv) Emphasize plant diversity to develop and maintain a healthy natural system.
- xvi) Prepare planting designs that layer plant types; use a mixture of sizes at initial plantings; and plan for plant succession.
- xvii) Clearly define planting zones by intended use – for example, lawns for play; tree groves for shade and habitat; shrub masses for buffering and screening, etcetera.
- xviii) Design plantings to allow space for full-size mature growth of each species with space for maintenance access. Specify and locate plants within planting areas so that trees and shrubs will not 'over-grow' their location requiring excessive pruning.
- xix) Introduce plants to increase habitats – for example, attracting butterflies and hummingbirds.
- xx) Design with line of sight in mind at driveway corners.
- xxi) Do not plant under stairs.
- xxii) Include Plant list on the drawings that includes all quantities and sizes for bid purposes.
- xxiii) Educational Applications
 - (1) Landscape spaces should extend the teaching opportunities beyond the classroom walls. There are many themed garden alternatives, providing a myriad of educational opportunities applicable to early childhood programs through advanced high school curricula, which can be implemented within landscape areas. These include:
 - (2) Seasonal Change Gardens
 - (3) Edible and Harvest Gardens
 - (4) Watershed or Hydrologic System Gardens
 - (5) Southern California Zone Gardens
 - (6) Native Gardens
 - (7) Drought-tolerant Gardens
 - (8) Habitat Creation Gardens
 - (9) Soil Remediation Gardens
 - (10) Sensory Gardens
 - (11) Wellness Gardens
 - (12) Historic and Cultural Gardens

(13) Sculptural and Artistic Gardens

- b) Plant Selection:
 - i) Submit the proposed plant list for the project to the District Representative for approval prior to proceeding with design.
- c) Tree Locations and Design:
 - i) Locate trees in a manner that avoids the mature canopy from overhanging the buildings and have adequate separation between trees to avoid canopies from connecting.
 - ii) Coordinate location of trees with underground utilities. Do not locate trees where underground utilities exist or are planned.
 - iii) Locate trees a minimum of 15 feet from buildings, canopies, fences and underground utilities. Consider access for tree trimming equipment, such as a boom truck, for large trees.
 - iv) Design a minimum of a 15-foot separation between trees and paving surfaces to prevent mature roots from damaging walkways, hard courts, and parking lots. Alternatively, specify root barriers to prevent spread of roots under paving.
 - v) Show on plans the mature canopy size and note the mature height of trees.
 - vi) Utilize deciduous shade trees to provide some summer shading of parking lots. Use root barriers to prevent root spread under paving or into site utility trenches.
 - vii) Utilize deciduous shade trees to provide summer shading around ball fields and hard courts.
 - viii) Locate trees to reduce solar heat gain and minimize glare. Planting deciduous trees on the southeast, southwest, and west side of the building will reduce solar gain in summer during the morning and afternoon. Plant low branching deciduous trees on the west side to keep low afternoon sun off west and north walls in summer.
 - ix) Locate tree rows or tall hedgerows to provide visual and sound blocks if needed.
 - x) Where trees are located in planter areas or at existing trees, specify groundcover or cobbles under drip line.
 - xi) Trees shall be deep rooted. Do not use shallow rooting trees.
 - xii) Coordinate planting schedule with watering schedule so that the different initial water periods do not compromise the health of the plantings.
 - xiii) Trees to be a minimum of 24-inch box size.
 - xiv) Consider window locations to optimize and enhance outdoor views when placing trees.

- xv) Coordinate tree placement with exterior lighting fixtures.
- d) Turf Areas:
 - i) Restrict turf areas to large, active use spaces. Use groundcover and/or no-mow grasses in narrower, passive spaces.
 - ii) Limit turf areas to those large enough to accommodate ride-on mowers.
 - iii) Design adequate clearances around trees in turf areas to accommodate ride-on mowers.
 - iv) Coordinate with architectural standards for the necessary access with curb-cuts or ramps for ride-on mower access to turf areas.

13. Irrigation

- a) Use reclaimed water where available.
 - i) Coordinate requirements of the city or county for use of reclaimed water.
 - ii) Use purple pipe and box covers at reclaimed systems.
 - iii) Provide appropriate warning signage for reclaimed water.
 - iv) No hose bibs or equipment couplers are allowed on reclaimed water services.
 - v) Coordinate location of irrigation main riser and backflow preventer within the utility yard in manner that will accommodate a booster pump if required.
- b) Coordinate electrical service to booster pump if necessary and irrigation metering requirements.
- c) Verify available water pressure and include irrigation booster pump or pressure reducer in contract, if necessary to maintain adequate water pressure. Incorporate findings into the Field Report and design as necessary.
- d) Adhere to State AB1881 directives.
- e) Include landscape water budget calculations showing compliance with the Green Building Code.
- f) Operate irrigation system based upon climatic conditions.
- g) The use of drip irrigation is highly discouraged; design the site in compliance with AB1881 without confining the project to options that require drip irrigation. For designs where drip irrigation is unavoidable, written approval from the District Representative is required.
- h) Install low-volume, water-efficient irrigation or systems connected to humidity sensors, where appropriate.

- i) Install irrigation systems to avoid runoff, low-head drainage, overspray, or other similar conditions where irrigation water flows onto adjacent property, non-irrigated areas, or impervious surfaces.
- j) Irrigation system installation should provide easy access to sprinkler heads for inspection and maintenance.
- k) Use irrigation zones to group plants with similar water needs close to a water source, which limits the scope and impact of an in-ground irrigation system.
- l) Confirm existing conditions on site with the District Representative and obtain their approval of schematic layout and controls prior to proceeding with system design.
- m) Design a loop system with isolation gate valves to separate each individual ball field and landscape zone when possible.
- n) Irrigate trees with deep bubbler irrigation system.
- o) Irrigate shrubs and groundcover with spray system in areas allowed by AB1881.
- p) Irrigate turf with pop-up heads in areas allowed by AB1881.
- q) Specify ET (evapotranspiration) based or smart controller with web access wireless data plan and remote control. Allow for 4 of the stations per clock to be for future use. Specify separate time clocks for shrubs and turf areas.
- r) Locate valves away from turf areas and outside of ball field boundaries.
- s) Work on the irrigation system, including hydrostatic, coverage, and operational tests and the backfilling and compaction of trenches shall be performed prior to planting operations.
- t) Exposed valves and back-flow preventers shall be protected by cages or fencing.

14. Cellular Communication Facilities

- a) Cellular communication facilities (towers or building mounted antennas typically) shall not interfere with the educational program of the site.
- b) Cellular facilities may be permitted in accordance with Board Policies.
- c) All cellular facilities shall be submitted to the Division of State Architect for approval.
- d) All cellular facilities shall receive conditional use permits from the local jurisdiction.
- e) Acceptable locations, subject to aesthetic considerations:
 - i) Stadium light poles
 - ii) Gymnasium walls

- iii) Performing Arts Center walls
- iv) Freestanding poles
- f) Equipment may not be mounted on roofs.

BUILDING DESIGN STANDARDS

1. General Requirements

- a) Schools are to serve as an emergency evacuation shelters.
 - i) Provide a separate emergency circuit(s) in gymnasiums with an external connection for a mobile generator.
- b) Day Lighting
 - i) Incorporate indirect, diffused, and natural day-lighting. Provide sun protection of windows to avoid direct sunlight during the summer months. Address glare concerns during winter months. Use skylights, tubular skylights, clerestory windows, and light wells to introduce natural light in occupied rooms.
 - ii) Do not allow direct sunlight into the spaces.
 - iii) All windows shall have roll-down shades.
 - iv) Obtain recommendations from the mechanical engineer on the U-values required for the glazing.
 - v) Only use skylights in rooms that are "landlocked" in the building, are occupied, and cannot receive shared light from perimeter windows.
 - vi) Do not use internal lights in tubular skylights.
 - vii) Glass is not allowed as a skylight material.
 - viii) Provide safety devices around skylights so that staff working on the roof cannot step or fall through the skylight.
 - ix) Skylight curbs must be no less than 8 inches high. Coordinate curb height to properly cricket for positive drainage and meet both the skylight and roofing manufacturer requirements.
 - x) Use manufacturer pre-glazed units. Do not specify custom or special order products.
 - xi) Provide translucent glazing in toilet rooms, locker rooms, and other areas where visibility is a concern.
- c) Provide overhangs at exterior doors large enough to protect users during rain. Recess windows or provide overhangs to prevent direct rain from hitting the windows.
- d) Provide natural, cross-ventilation, where practical, in addition to mechanical ventilation. Provide operable high and low windows and oriented to the prevailing breezes.

- e) Construct building primary structures with concrete, concrete masonry units, brick, plaster, steel studs, and structural steel members. Wood framing is not permitted without written permission from the District (exception: portables).
- f) Wherever "painted gypsum board" is specified for a wall surface, the surface may be painted concrete, painted CMU block or other structural element.
- g) Provide pre-wrapped tackable wall covering panels over gypsum board. Specify panels in standard sizes and provide from +34 inches height to the top of the door header for all classrooms and laboratories.
- h) The primary consideration for building materials is to provide a low maintenance facility. Exterior wood is not allowed. Metal siding, at interiors or exterior, is not allowed.
- i) Exterior soffits to be a solid surface with insect screens or perforated metal at vents.
- j) Design rooms around the furniture and equipment layout.
- k) Unless otherwise noted, flooring shall be vinyl composite tile (VCT). Carpet to be specified only with permission of the District.
- l) Provide rubber base, cove or carpet, as appropriate.
- m) Specify location of foam soap dispensers and paper towel dispensers at all sinks. Provide backing for installation by others (the District's sanitary supply vendor); except provide for installation if required for access compliance.
- n) Provide data outlets in every room except storage rooms. Data outlets are used for phone systems in addition to networking. Locate data outlets near desk or workstations.
- o) Provide data outlets for wireless access points (WAPs) that will provide Wi-Fi coverage for the entire site. Assure additional coverage for intensive areas of use such as near remote point-of-sale machines.
- p) Provide conduit for intrusion alarm locations in every building.
- q) Provide PA system that allows announcements to be heard in every room and exterior campus location.
- r) Provide clocks in all rooms except storage rooms.
- s) Provide heating, ventilating and air-conditioning (connected to the district's central environmental management system [EMS]) for all enclosed spaces. Exception: large storage areas.
- t) Provide LED lighting with lighting controls unless noted otherwise.

2. Classrooms

General:

Middle and high school classrooms and ancillary learning spaces need to provide for flexibility of use for a variety of subject areas being taught, allow of the evolution of curriculum changes, instructional practices and technology, and maintain the capability of being modified easily from spaces of presentation to spaces where adults and students meet in groups for a variety of reasons.

Location (desired proximities):

Classrooms and learning spaces should be dispersed throughout campus in such a way as to ensure that there is equitable access for all students and staff to be equidistant from other important spaces on campus including restrooms, the library media center, the administration building, the cafeteria, and physical education facilities.

Classrooms should be clustered and near other, learning spaces, storage, and teacher offices in an "open" arrangement that allows for smaller collaborative working groups yet allows for ease of supervision. Flexibility options for creating larger spaces able to accommodate up to 100 individuals is desirable.

The optimum arrangement of classroom spaces would be to have classrooms adjoined to a central teacher office space with storage areas adjoined to multiple classrooms.

Design Features:

- Size: 960 sq. ft.
- General classrooms should have a maximum capacity of 35 students and 2 adults.
- The classroom space should include adequate floor space, storage space (including one small lateral file cabinet), whiteboards and bulletin boards.
- The teacher desk location should be flexible.
- Provide pre-wrapped tackable wall covering panels over gypsum board. Provide panels in standard sizes from +34 inches to the top of the door header.
- Site specific needs should be designed into specific buildings based upon program offerings.

Finishes and Features:

Floor:	VCT
Base:	Rubber
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable wall space
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- Student desks that are flat (not inclined) for experimental learning.
- Separate chairs (no sled desks).

- Teacher work station/desk.
- Desktop computer or laptop for teacher.
- Laptop/tablet charging cart.
- Flag
- Whiteboards
- Flat-screen Television
- Screen
- Audio amplification system
- Sink

3. ASB Classrooms

General:

The ASB is typically similar to a classroom. It provides workspace for collaborative projects and serves as a student store. ASB students, under the supervision of an Assistant Principal or teacher, stock and sell school apparel, year books, event tickets, snacks and miscellaneous items for the convenience of students. The ASB staff office receives, dispenses, and accounts for all ASB funds.

Location (desired proximities):

The ASB should be located near the student dining and lunch shelter areas, and convenient for students, faculty and deliveries.

Design Features:

- Size: 960 sq. ft.
 - Student store, work area, sales, office: 761 sq. ft.
 - Storage: 200 sq. ft.
- Tables or counters for layout space.
- Four exterior walk-up windows for sales.
- Data and power for point-of-sale machines

Finishes and Features:

Floor:	VCT
Base:	Rubber
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable wall space
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- steel storage shelving
- lockable safe bolted to the floor for storing cash
- upright reach-in cooler for beverage sales
- tables and chairs for 25 students
- desk and task chair for Assistant Principal or teacher

4. Science Laboratories

General:

At both the middle and high school level, students develop an understanding of how science works through the observation and explanation of occurrences. They learn a multitude of methods that constitute "the scientific method", and experience traditional methods of research and investigation in different scientific areas. They learn how to collect evidence, apply logic, utilize arguments, and foster imagination in solving problems. The development of various investigative skills including observation, predicting, classifying, inferring, measuring, questioning, hypothesizing, experimenting, interpreting, constructing and explaining models requires an environment and learning spaces that facilitates physical movement and at the same time retains meeting space for small teams of collaborating students.

Science laboratories at the high school level take on a more sophisticated instructional program. The laboratory design incorporates features for complex experiments and testing. Advanced equipment is used in elaborate research. The chemicals used require security storage when not in use. Ventilation systems for the preparatory and laboratory station areas are imperative. Laboratories are equipped with fire extinguishers, eyewash and deluge showers, a first aid kit, and disconnect valves for gas. Chemical disposal systems are designed to meet current state and federal standards.

Location (desired proximities):

Laboratory spaces should be integrated with storage and staff office areas that allow for the storage and preparation of lab activity resources including chemicals, tools, recording devices, and safety equipment.

Design Features:

Size: 1260 – 1500 sq. ft.

Teaching station with sink.

Laboratory stations:

- Perimeter lab stations for 28 expandable to 36 (4-station peninsulas with the ability for two end seats as well) plus accessible stations.
- Individual stools for students to sit at countertop height while conducting experiments.
- Provide water, power and data for each station.
- Sinks shall be 9" deep except where required to not exceed 6.5" for access compliance
- Provide one deep sink and one accessible sink in each preparation room.
- Provide storage space for student equipment.

The laboratory environment should include adequate floor space, storage space, lighting, ventilation, marker board and bulletin boards.

The laboratory area also should contain exhaust fume hoods, eye washes, and deluge showers, fire extinguisher, first aid kit, master disconnect valve for gas, fire blanket for obvious safety applications. Provide one fume hood in each Chemistry classroom and Chemistry preparation room.

All other science classrooms and preparation rooms do not need a fume hood. Conceal all ductwork on fume hoods.

The classroom laboratory should include space for individual seating for whole-class instruction.

Offices and storage spaces should contain ample countertop space for materials prep and appropriate casework for the secure storage of materials, chemicals, and delicate instruments. Obtain a list of the current science chemicals from District Representative. Design shall accommodate storage of such chemicals (e.g. fire cabinet and acid cabinet). Submit the list to DSA if required.

Finishes and Features:

Floor:	VCT
Base:	Rubber
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable wall space
Casework:	Plastic laminate
Countertop:	Epoxy Resin with integral sinks

Furniture and Equipment:

- Same list as general classrooms plus:
- Lockable chemical storage cabinet in prep room.
- Lockable fire storage cabinet in prep room.
- Refrigerator/freezer in prep room.
- Eyewash and deluge shower in each laboratory.
- Wall cabinets to have sloped tops to prevent storage or display.

5. Visual and Performing Arts (VAPA) Classrooms

General:

The Visual and Performing arts programs will introduce, develop, and encourage students' skills and appreciation of the arts.

Visual arts instruction will offer students the opportunity to explore the arts, and experience how the arts interface with other areas of learning. This program will foster individual expression and an understanding of the contribution the arts make to the world. The areas of exploration will include 2-D and 3-D art forms, computer and graphic arts, photography, multimedia, and art history (HS).

Performing Arts, including instrumental and vocal music, drama, and dance, are design so that students will be able to use their knowledge of the arts, through instruction and rehearsal, in a performance setting. These program areas will contain the auditorium, drama, dance, instrumental rooms, vocal music rooms, and related auxiliary spaces.

These facilities and operations need to reflect recommendations from specialized consultants regarding design, flexibility, acoustics, and future technological concepts while providing a safe learning environment.

Location (desired proximities):

Music/Performing Arts: Periphery of campus with clearly identifiable and easily accessible main entrances that direct the public to the facility without the need to provide access to the remainder of the campus, adjacent to theater, with access to restrooms.

Visual Arts: Located near Library/Media Center

Storage: Adjacent to classrooms

Teacher Offices: adjacent to classrooms, with appropriate supervision capability

The dance studio may be part of the Gymnasium.

Design Features:

Each school will have need for space for the following programs. Classes are organized by discipline and include courses already offered at SUHSD. Sizes shown include storage.

- Visual Arts
 - 3D Art Lab/Classroom (960 sq. ft.)
 - 2D Art Lab/Classroom (960 sq. ft.)
 - Ceramics including Kiln Room (1,300 – 1,500 sq. ft.)
 - Graphic Arts/Digital Photography (960 sq. ft.)
- Music/Performing Arts
 - Auditorium/Theater
 - Mariachi Music Room (2,500 sq. ft.at HS; 1,500 sq. ft.at MS)
 - Instrumental Music Room (2,500 sq. ft.at HS; 1,500 sq. ft.at MS)

- Choral Room (2,000 sq. ft.at HS; 1,500 sq. ft.at MS)
- Dance Studio (2,000 sq. ft.at HS; 1,500 sq. ft.at MS)
- Black Box Theater/TV Studio (1,600 sq. ft.)
- Scene Shop (adjacent to Theater for HS only)
- Practice rooms (sound-proofed)

Provide high ceilings for music/performing arts rooms.

Provide heat and acid resistant countertops in 2D and 3D art rooms.

Provide instrument cleaning area with sink.

Provide storage for chairs, music stands, instruments, sheet music, and uniforms. Instrument storage is to be located in specialized lockers.

Provide an instructor's office.

High School Theaters (Performing Arts Centers):

- Provide a lobby with a ticket booth (4 windows minimum) and concession area (4 windows minimum).
- Provide theater seating (22" width) with removable front rows for flexibility.
- Provide public restrooms.
- Provide a backstage workshop and storage areas with large roll-up doors to exterior and to the stage.
- Provide enclosed control booth with lighting and sound controls. Also, provide alternate control location backstage.

Finishes and Features:

Classrooms (art and music rooms)	
Floor:	VCT (or polished concrete at art rooms)
Base:	Rubber or polished concrete
Ceiling:	Painted gypsum board and/or suspended ceiling; or open
Walls:	Painted gypsum board with tackable wall space
Casework:	Plastic laminate
Countertop:	Epoxy resin in 2D and 3D art rooms. Plastic laminate elsewhere.

Dance Room	
Floor:	Floating wood sports floor
Base:	Rubber
Ceiling:	Gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable wall space and acoustical treatment
Casework:	Plastic laminate
Countertop:	Plastic laminate

Auditoriums and Theaters	
Floor:	VCT or polished concrete. Carpeted aisles.
Base:	Rubber or polished concrete
Ceiling:	Painted gypsum board and/or suspended ceiling with acoustical treatment
Walls:	Painted gypsum board with acoustical treatment

Stage	
Floor:	Plywood (black)
Base:	Rubber
Ceiling:	open
Walls:	Painted gypsum board with acoustical treatment

Scene shop (back stage)	
Floor:	Polished concrete
Base:	Polished concrete
Ceiling:	open
Walls:	Painted gypsum board

Furniture and Equipment:

- The same equipment as general classrooms plus:
- Portable risers for mariachi, band and choral rooms.
- Wenger type lockers for musical instruments
- Stage rigging, front, back and side curtains.
- Theatrical lighting, audio visual and sound systems
- Projection screen in Theater.
- Television in classrooms and dance room.
- Theater seating in theaters. Verify whether fold-away writing tables are required. Include seat and row numbers.
- Kiln ventilation system is to be designed and specified as recommended by the kiln manufacturer.
- Coordinate equipment requirements per specialized programs, such as spinning wheel stations, lockable clay bins, adequate casework and open shelving for storage, trough sinks, minimum door clearance, etc.

6. Makerspaces and Shops

General:

Although learn-by-making may occur in every classroom (hands-on, project, problem or challenge based) there may be times where a specific area (classroom, room, library space, etc.) should be designated as a makerspace. A makerspace is a physical location where people can gather to share resources and knowledge, network, and build creative projects. Makerspaces are also known as Tinkerspaces, DIY, Creativity or Innovation labs.

Makerspaces are areas of hands-on, self-directed and guided learning that promote practical, creative, collaborative and multidisciplinary thinking and learning. A makerspace represents a powerful effort to infuse creativity, innovation, curiosity, motivation, technical expertise, open-mindedness, persistence, social responsibility, teamwork, and playfulness in a safe environment.

As opposed to traditional shops that were devoted as areas of specific activities such as wood, electrical, mechanical, welding, etc. makerspaces are more flexible and modular spaces. The tools and equipment vary between makerspaces; diverse electronics, sewing machines, 3D printers, laser cutters, CNC machines, hand tools, power tools, vinyl cutters, welding machines, computers, monitors, digital (software) tools, ceramic & pottery tools & supplies, etc.

Coordination with the VAPA program is required since there may be overlap with the visual arts.

Location (desired proximities):

Makerspaces may evolve overtime based on access to new technology, tools and equipment. It is recommended to designate physical spaces able to accommodate these changes. These areas need to provide increased ventilation and be readily accessible from other classrooms to encourage use. Adjacency to outside patios or balconies is needed to allow the flexibility to enlarge the space.

Design Features:

- Adequate power including spare capacity for future use
- Generally perimeter storage and movable tables in the center to allow flexible arrangements (modular furniture)
- Rollup "garage" doors to exterior patios
- Adequate ventilation mitigated for noise
- Storage for both supplies and finished projects

Finishes and Features:

General guideline – specific room requirements may vary	
Floor:	VCT or polished concrete
Base:	Rubber or polished concrete
Ceiling:	Painted gypsum board and/or suspended ceiling; or open
Walls:	Painted gypsum board with tackable wall space
Casework:	Plastic laminate
Countertop:	Epoxy resin, plastic laminate or wood.

Furniture and Equipment:

General requirements that need to be customized for the intended use:

- Classroom F&E plus:
- Work tables instead of desks
- Stools or chairs

7. Special Education Classrooms (Moderate/Severe)

General:

The goal of the Special Education Program is to meet the needs of students with disabilities within the least-restrictive environment enabling them to become responsible, life-long learners.

To meet student needs, the Special Education Program staff offers a continuum of services ranging from self-contained programs to providing instruction within the general education environment through an inclusion process. Similarly, in consideration of the changing enrollment in the Special Education program, the rooms should be flexible to accommodate increases or decreases in the number of students served.

Areas include:

- Mild/Moderate and Moderate classrooms (960 sq. ft.)
- Moderate/Severe classrooms (800 sq. ft.)
- Restrooms
- Hygiene rooms with changing areas (with or without showers) (350 – 400 sq. ft.)
- "Cool down" rooms and/or sensory rooms (100 sq. ft.)
- Life skills area or room (teaching kitchen with washer and dryer) (250 – 300 sq. ft.)
- Administration and meeting rooms for academies
- Adaptive PE Rooms (see separate section)

Location (desired proximities):

The least-restrictive environment generally requires that special education classrooms be dispersed throughout the campus. Consult with the Special Services Department for the programming needs of the specific project.

Design Features:

Provide spaces that are free from distractions. Most if not all wiring, conduits, ducts, etc. shall be concealed or located in unobtrusive areas to provide a clean, orderly and non-distracting environment.

The surfaces of each classroom must be easily cleanable and hygienic.

Provide additional soundproofing between classrooms and other spaces.

Provide drinking fountains near the restrooms and near play fields, hard courts, courtyards, or eating areas.

Provide a hygiene toilet room adjacent to classrooms for students in the moderate/severe program. Include a changing area with an adult-sized table and an accessible roll-in shower with a fold down seat and ceiling mounted shower curtain (hospital type).

Provide hand-washing sinks in all classrooms.

For academies (such as East Hills Academy) provide discrete perimeter security and design the site with supervision in mind. Provide separate bus drop-off zones.

Finishes and Features:

Floor:	VCT
Base:	Rubber
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable wall space
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- The same equipment as general classrooms plus:
- Blackout shades.
- A refrigerator and freezer unit, washing machine, electric dryer, and combination residential, electric stove top, range, and oven. Coordinate floor drains and dryer vents for washer and dryer.
- Changing table
- Shower seat
- Shower curtain
- Access to a scanner and printer

8. Adaptive PE Rooms

General:

A special education support facility for both PE and occupational therapy.

Location (desired proximities):

On a comprehensive campus, locate near the gymnasium and locker rooms. At an academy, locate on the perimeter near fields, hard courts and restrooms.

Design Features:

Size: 1,500 sq ft.including storage.

Provide spaces that are free from distractions. Most if not all wiring, conduits, ducts, etc. shall be concealed or located in unobtrusive areas to provide a clean, orderly and non-distracting environment. Surfaces of must be easily cleanable and hygienic.

The room must accommodate up to 12 students and 11 staff for the moderate-severe program and up to 30 students and 4 staff for the non-severe program.

The room must accommodate large pieces of equipment such as treadmills, stationary bikes, small trampolines, and other equipment to support the loco-motor and non-loco-motor training activities.

Provide sufficient storage adjacent to the room for both indoor and outdoor equipment.

Finishes and Features:

Floor:	VCT
Base:	Rubber
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable wall space and backing for wall mounted equipment
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- Will be determined on a site-by-site basis.

9. Gymnasium Building

General:

The Gymnasium is one of the primary Physical Education (PE) facilities at each high school. The facility must not only accommodate PE needs but must be designed for school assemblies and other gatherings and events.

Location (desired proximities):

Locate on the periphery of campus near public parking, and fields. Locate adjacent to the locker room.

Design Features:

The gymnasium (15,000 sq. ft.), while primarily used for physical education instruction, is also used as a meeting space for students and community events. As such, adequate floor seating (500 persons) for large assemblies is required. Site-specific PE and athletic equipment will be identified and purchased based upon site instructional focus and needs.

Provide sport wood flooring system with manufactured vented metal base and painting of team logo in the main center court and school name on each baseline. Provide for District logo and conference label on court. For projects where the team logo has not been determined, provide an allowance.

Provide multi-sport colored striping to accommodate main basketball/volleyball court, perpendicular practice basketball/volleyball courts, and badminton courts.

All courts must conform to CIF requirements and court clearance requirements. Coordinate the retractable practice court backstops for required vertical clearance.

Provide sport wood flooring system with manufactured vented metal base at dance rooms.

Incorporate the use of natural day-lighting, but do not allow direct sunlight to hit the gym floor or to be visible to athletes using the facility.

Provide acoustical treatment.

Provide ticket booth with at least 4 windows.

Provide concession booth with at least 4 windows. Provide counters and power for refrigerator/freezer, microwave ovens, crockpots, etc.

Provide public and student restrooms.

Finishes and Features:

Floor:	Gym: Floating wood sport flooring system. Dance Rooms: Floating wood sport flooring system. Concession: VCT Ticket booth: VCT
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	Lobby: VCT
Base:	Rubber
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable wall space (no tackable surface inside Gym). Walls in Gyms shall be durable and have mounting systems for pads, acoustical treatment, and pennants
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- Interactive Multimedia System with projection capabilities, sound, LED display(s), computer/tablet interface
- Multi-sport scoreboard.
- Provide motor operated, telescoping bleachers that do not interfere with the regulation basketball court or four wrestling mats and required court clearances in fully opened position.
 - Coordinate with manufacturer representative for appropriate rise and row spacing.
 - Coordinate headroom clearance at top row of seating with basketball backstops of cross-courts.
- Provide retractable motorized basketball backstops for main court and practice courts.
- Bulletin boards
- Trophy display cabinets in Gym lobby.
- Retractable flag in Gym.

10. Locker Rooms, Team Rooms and PE Offices

General:

These facilities support the Physical Education (PE) program at each school. The facilities must be equitable between girls and boys. The facilities include the locker room, teachers (coaches) offices, team rooms, treatment areas, laundry room (high school) and storage.

Location (desired proximities):

Part of, or directly adjacent to the Gymnasium at high school or Multi-purpose room at middle school. The teachers' offices should be adjacent to and provide supervision of the locker room.

Design Features:

- The student locker room/shower/lavatory space needs to accommodate up to 400 students per instructional period for high school and 200 students for middle school. The space needs to allow for easy supervision of students, ease of cleaning, and sufficient space for safety and comfort.
- All lockers shall be anchored to concrete bases. 1500 basket-type lockers and 500 full-length lockers for high schools (verify based on design size of school).
- Separate varsity locker rooms and showers are desirable.
- Protective cages over all exposed clock and life-safety alarms.
- Drinking fountain.
- Teacher office space (100 sq. ft. per staff member) needs to be constructed adjacent to student locker room area with full view of all lockers for safety reasons. Teacher locker room, shower, and lavatory need lockable doors for privacy purposes (100 sq. ft.).
- Adequate storage rooms with limited access for security purposes. These spaces exist adjacent to teacher offices and multipurpose room with casework as appropriate for maintaining inventory of equipment of all sizes, clothing, etc.
- Separate restrooms for teachers.
- Laundry Room:
 - Provide one shared laundry room with adjacent access or secured access from both locker rooms.
 - Provide both gas and electric utilities for the dryer.
 - Include a sink and counter workspace.

Finishes and Features:

Locker Rooms and Team Rooms	
Floor:	Terrazzo or polished concrete (slip resistant finish)
Base:	Terrazzo or polished concrete
Ceiling:	Painted gypsum board suitable for high humidity.
Walls:	Painted gypsum board suitable for high humidity.
Casework:	Plastic laminate
Countertop:	Plastic laminate

Teachers Offices	
Floor:	VCT
Base:	Rubber
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable wall space
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- Whiteboards in team rooms and offices.
- Televisions in team rooms.
- Bulletin boards in locker rooms, team rooms and offices.
- Provide an ice machine in each locker room in comprehensive High School Gyms.
- In laundry room, provide a washer and dryer with a floor drain, dryer vent, and a high volume exhaust fan

11. Media Center (Library)

General:

Media Centers and Libraries are changing with technology and can serve different functions on a campus, including: research, group meetings, computer instruction, reading place for students' free time, social meeting area, as well as a repository for books. Meet with the District Representative and Library Services to determine the design and functions of the libraries at each campus prior to proceeding with the design.

Location (desired proximities):

Near perimeter of the site for access to public and access after-hours. Being near the administration center allows for secure entry and exit of the site.

Design Features:

Size: 4,000-4,500 sq. ft. at HS; 2,700-3,000 sq. ft. at MS) for the main room, stacks, reading area, computer area and circulation desk.

Provide an open design, easy to supervise from the circulation desk, no hidden corners or nooks with good lighting over stacks and reading areas. No direct sunlight on bookshelves to avoid fading. Provide day-lighting in the reading spaces.

Accommodate two full classes at a time. One class can use the computer lab while the other can access print resources. The computer lab area must accommodate at least 40 laptop, desktop or tablet computers.

Safe and efficient student and material logistics require that the library needs a flow through type of arrangement for textbook and/or device check-out and return. For example, during textbook check-out, our classes come through the back entrance, go into the textbook room, pull the book from the shelf, walk to the circulation desk to check it out and then exit out the front door. For returns, the process is reversed. They come in the front, check in the book at the circulation desk, walk into the textbook room, place the book on the shelf and exit out the back door. This method significantly decreases hand/arm/back and other stress injuries and provides for safe student movement.

The library technician station should be at the circulation desk, instead of a separate office. It is convenient for tech to be at circulation desk already whenever a patron needs assistance as opposed to getting up and walking out of office every time.

Provide a conference room at high schools (180-240 sq. ft.).

Provide a textbook processing and storage room (700-800 sq. ft. at HS; 400-500 sq. ft. at MS). It needs to be wide enough to accommodate the passage of a pallet of boxes. There should be room enough for a minimum of three pallets of boxes on the floor next to a large table which serves as the processing workspace. There needs to be access for a pallet jack on the sidewalks and a convenient area where they can be loaded off the truck. As we move away from textbooks to online resources, this may be used for electronic equipment and boxes of workbooks.

Provide a separate secured room (120 sq. ft.) for computer device storage (laptops, tablets, etc.). This storage room may be within the textbook storage room.

Provide a Librarian's office (120-180 sq. ft.)

A workroom (140-160 sq. ft.) with provisions for a book scanner, book repair area and storage and computer workstation. Provide a sink.

Consider the decreasing need for desktop computers and increased areas needed for independent study with electrical outlets for charging devices.

Provide acoustical treatment to maintain an environment conducive to study. Separate group meeting areas with sound barriers.

Consider large screen smart TV instead of digital projectors which require expensive bulb replacement.

Finishes and Features:

Floor:	VCT
Base:	Rubber
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable wall space
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- Built-in circulation desk.
- Low height shelving so that step stools are not needed and to facilitate supervision. Center stacks shall be 4 feet high and perimeter wall stacks to be 6 feet high.
- Design the library shelving to accommodate 28 books per student with an average thickness of one-inch per book. Confirm the amount of book storage prior to the start of design and submit the linear footage provided in the conceptual design phase.
- Book security system at entry.
- Verify whether fixed storage shelves or space-saver rolling shelves are required for the textbook room. The move to electronic textbooks may reduce the need for storage.
- Display/signage areas indoor and out.
- Library catalog stations (data).
- Audible security alarm at exit doors other than the main entry.
- Book scanner

12. Multipurpose Room

General:

Depending on the site needs, the multi-purpose room may function as a Gymnasium, theater, eating area and/or meeting space. Refer to each section to determine the needs.

Do not use carpet if the space is to be used for dining.

Provide a drinking fountain and/or water station.

Provide average maintained 30-foot candles of lighting at table surface.

13. Administration/Lobby

General:

The administration center of the school is utilized by students, staff, and the public. It should include a public-friendly yet secure entrance, a centralized reception area with seating, and access to the administrative offices. The administrative offices (principal, assistant principal(s), and site security) should be located beyond the reception/entrance area. Other areas important to the administrative offices include medium and small conference rooms (at least one with teleconference capabilities--- one for the principal another specifically for small student group presentations re: credit recovery, college recruitment, etc.), shipping and receiving area, storage, teacher lounge and teacher workroom.

Spaces:

- Centralized reception area/entrance, public-friendly atmosphere with (comfortable) seating that can easily be secured (240 – 360 sq. ft.at HS; 180 – 240 sq. ft. at MS)
- Administration offices
 - Principal (120-180 sq. ft.)
 - Assistant Principal (100-120 sq. ft.)
- Medium and small conference rooms (at least one with teleconference capabilities; one specifically for the principal (180-240 sq. ft. for HS; 120-180 sq. ft. at MS); at least one for small student group presentations re: credit recovery, college recruitment, etc.
- 3 Offices for itinerant staff and School Resource Officer (100-120 sq. ft.)
- Parent center or room (600-740 sq. ft.)
- Shipping and receiving area
- Storage
- Student Support Services (counselors, speech therapist, psychologist, attendance clerk, registrar) – See separate section
- Nurse's office – See separate section
- Attendance office (80 sq. ft. per person)
- Staff break room – See separate section.
- Staff workroom – See separate section.

Location (desired proximities):

The integration of administrative offices, student services area (counseling, etc.), teacher lounge/workroom area, and shipping and receiving areas confirm to the casual eye that this is the hub of school activity. Any library or performance center should be near this building. Visitor parking should be available close to this building and/or close to the entrance of the school.

Design Features:

- Built-in reception desk and transaction counter with high-low counter. Include open space below the countertop to accommodate two-drawer lateral file cabinets.
- Distance between the reception desk counter height and transaction counter needs to be able to accommodate a binder (13 inches minimum between the two surfaces).

- Lobby door access control.
- Perimeters are controlled at a central location supporting automated processes for security (lockdown) procedures.
- Safe room in this location that could be a multi-use room. Needs equipment to convey messages to the campus locations and communicate with the off-campus law enforcement organizations/District office.
- Sufficient work stations/offices for current staff as well as ample room for projected additional staff with a margin for growth.
- Countertop space near sink and casework at the Nurse's office.
- All casework to include drawers and storage cabinets below the countertop and tall storage cabinets.
- Fire alarm annunciator must be in a planned and coordinated location.
- Provide space within the secure file room to accommodate a safe.
- Mailboxes to be 12 inches wide by 12 inches deep by 4 inches high.
- Provide 1 mailbox per 12 students based on the maximum capacity of the campus. For example: If the school's maximum capacity is 3,000 students, provide 250 faculty/staff mailboxes.
- A built-in lockable display case with tackable surface and an area for messages to be posted for parents/visitors to read.
- Non-skid floors in front office, corridors, heavy student used rooms and work areas. Walk off mats at exterior doors.
- Separate restroom facilities for staff and public are preferred.

Finishes and Features:

Floor:	VCT; Lobby may be terrazzo or polished concrete
Base:	Rubber; terrazzo or polished concrete
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable wall space (except no tackable wall space in lobby; use locking bulletin boards)
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- Comfortable, welcoming furniture in reception/lobby area for visitors.
- Desks and workstations
- A key cabinet within a secure room such as the secure file room.
- A wall-mounted, lockable metal storage box to store 11-inch by 17-inch plans of the school near the key cabinet.

14. Student Support Services

General:

The student support services area is utilized by students, staff, and the public. It should include a public-friendly yet secure entrance, a centralized reception area with seating (the entry and reception can be the main lobby if located within the administration building), and access to the offices. The offices (attendance clerk, registrar, speech therapist, psychologist and nurse's/health office) should be located beyond the reception/entrance area. In order to provide a sense of connectedness for students, this area should be conveniently accessible both from the public entrance of the school as well as from the main campus area. Include at least one medium conference rooms. Career center is heavily reliant on computers for research and on-line applications.

Spaces:

- Centralized reception area/entrance, public-friendly atmosphere with (comfortable) seating that can easily be secured. (220 sq. ft. if separate from the main lobby.)
- Attendance office. Exterior office space with walk-up windows for the attendance clerk (or space in the reception area if attendance is not in the administration center).
- Offices for:
 - Counselors: One (1) 100 sq. ft. office for approx. every 400 students with table for 3 visitors. Panic button near desk. Sidelight next to door for visibility. Good soundproofing.
 - Speech Therapist: One (1) 200 sq. ft. office with desk, table for up to 6 visitors, lateral file cabinets.
 - Psychologist: One (1) 100 sq. ft. office with seating for 2 visitors
 - Registrar: One (1) 100 sq. ft. office with seating for 2 visitors
- Medium conference room (space for conference table and 10-12 chairs) (180-240 sq. ft.)
- Storage: One (1) secure file room for student records adjacent to registrar's office (100-120 sq. ft. at HS; 80-100 sq. ft. at MS)
- Staff workroom with a work area for printer/copier/fax, worktable or counter, storage for supplies (225 sq. ft.)
- Career center at HS only (960 sq. ft.)

Location (desired proximities):

Integration with the administrative offices is preferred. Located at the perimeter of the campus with easy access from parent parking area.

Design Features:

- Built-in reception desk and transaction counter with high-low counter. Include open space below the countertop to accommodate two-drawer lateral file cabinets. Reception desk/workstation with seating for two (2): employee and student worker; panic button at reception desk; guest seating for 3-6; display space(s) for counseling materials.

- Attendance office: walk-up windows for the attendance clerk (or space in the reception area if attendance is not in the administration center).
- Career center: computer workstations. Display areas and storage.

Finishes and Features:

Floor:	VCT
Base:	Rubber
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable wall space (except no tackable wall space in lobby; use locking bulletin boards)
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- Comfortable, welcoming furniture in reception/lobby area for visitors.
- Desks and workstations
- Tables and chairs
- Lateral file cabinets

15. Nurse's Office

General:

Health Services includes intervention, attendance to sick or injured students, prevention, seminars, screening, and consultation. Health Service personnel are involved in extensive communication with building staff, students, parents, and health care providers. Increasingly, interest has been expressed to engage in greater collaboration with community health services for the screening and referral of students, parents, and community members. The plan for this area should be flexible and lend itself to future expansion.

Location (desired proximities):

The Health Services area should have access from reception/secretarial area as well as outside direct access. Adjacent to main office with door and/or window accessibility between the offices is ideal. Access to conference rooms.

Design Features:

Provide the following spaces:

- Office for the nurse (100-120 sq. ft.)
- Exam and first aid area (340-400 sq. ft.)
- Waiting area (120-160 sq. ft. at HS; 60-100 sq. ft. at MS)
- Storage
- One unisex restroom

The design must easy to keep sanitary.

Finishes and Features:

Floor:	VCT or sheet goods
Base:	Rubber or integral cove
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board; cleanable surface
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- Furniture should be welcoming and comforting.
- Cot and curtain in exam and first aid area.
- Computer station(s).
- Refrigerator and locked cabinet for storage of temperature sensitive medications and supplies.
- Counter space should be a combination of high and low counters.
- Lockable cabinets.
- If records are not kept electronically, provide a secure location in this area.
- Sink and counter space for wound-dressing.
- Bulletin board.

16. Staff Break Rooms

General:

Staff break rooms are needed to provide staff with a place to take breaks as well as gather before or after school. They may be used for collaboration as well.

Location (desired proximities):

Distributed throughout the campus. Should be adjacent to staff workrooms but should be separated so that workroom noise does not interfere with breaks or collaboration sessions.

Design Features:

Provide an open countertop space near sink area with enough space to accommodate Owner-furnished (F&E) microwave oven and coffee maker.

Provide a location for a soap dispenser and paper towel dispenser at all sinks. Refer to Restroom Accessories for further dispenser requirements.

Provide CFCI under-counter dishwasher and refrigerator.

Provide casework that includes drawers and storage cabinets below countertops.

Provide space and electrical provisions to accommodate two Owner-furnished vending machines.

Storage area for tables and chairs.

Finishes and Features:

Floor:	VCT
Base:	Rubber
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable surface
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

1. Comfortable furniture for relaxation
2. Large tables and chairs for collaboration and dining

17. Staff Workrooms

General:

Staff workrooms provide an area to consolidate office equipment (printers, scanners, copiers, laminators, paper cutters, etc.) for efficiency.

Location (desired proximities):

Distributed throughout the campus. Should be adjacent to staff break rooms but should be separated so that workroom noise does not interfere with breaks or collaboration sessions.

Design Features:

Size of main workroom in administration center: 500-600 sq. ft. at HS; 400-500 sq. ft. at MS.

Provide open countertop space with casework. Casework to include storage cabinets above and below.

Provide space and electrical provisions to accommodate Owner-furnished printer/copier/scanner equipment and other equipment required for the project.

Finishes and Features:

Floor:	VCT
Base:	Rubber
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable surface
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- Storage cabinets.

18. Serving Kitchens

General:

The Serving Kitchen is an area where district staff receives food goods, stores goods (refrigerated, frozen and dry), prepares food, reheats pre-prepared meals and serves the food service court.

Location (desired proximities):

The Serving Kitchen should be connected to the Food Service Food Court. Centrally located on site with proximity to the periphery of campus for food deliveries. Garden sites near the kitchen would allow "Farm to School" integration.

Design Features:

Comply with all County Health Department requirements.

Designed to prepare student meals that will be served at multiple food stations (kiosks, food carts, and staff dining) for those seeking meals or snacks. Space in the Serving Kitchen should include reach-in refrigerators and freezers, walk-in refrigerators and freezers, ovens, other food service equipment, delivery, storage for dry goods, paper products, utensils, food carts, as well as an office for the Food Service Manager (with views that supervise deliveries, exit doors, and kitchen preparation area), employee lockers, restroom (one single unisex restroom unless code requires both men's and women's), custodian closet, areas for trash and recycling, and accommodations for use of washable service trays, including tray washing station and storage area.

Provide pass-thru service windows with security roll-down doors or grills. Provide large openings to allow fast service. Verify whether line-up areas outside the windows to be separated with galvanized railings.

Consider an area for demonstration cooking.

Finishes and Features:

Floor:	Quarry tile
Base:	Quarry tile
Ceiling:	Painted gypsum board suitable for high humidity and/or washable vinyl suspended ceiling.
Walls:	Painted gypsum board suitable for high humidity. Stainless steel panels to 8'-0" above finished floor (a.f.f.) behind sinks, stoves and ovens. Fiberglass reinforced panels (FRP) (smooth, white) to 8'-0" a.f.f. in all locations except where stainless steel is located.
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- It is anticipated that a Food Service Consultant will work with the district to develop the furniture and equipment specifications needed to provide meal, fast food, and snack preparation.
- Stainless steel counters.
- One locker for each staff member working in the kitchen at peak hours.
- Walk-in freezer accessible through the walk-in refrigerator with an adjoining door. Floors are to be quarry tile, freezer floors to be insulated. The walk-in units are to have separate condensing units. Multi-circuited condensers are not acceptable.

19. Food Service Areas

General:

The primary serving area for food services will be a Food Service Court attached to the Serving Kitchen. The Food Service Food Court will serve as an area where students, staff, and visitors can obtain a quick, nutritious, desirable, economical snack or meal. The facility (approx. 8,500 SF) will be both comfortable and cheerful, and centrally located on the site to serve as a hub of social interaction. A staff dining area should be part of the facility.

A main outdoor eating area designed for comfort and ease of supervision by site staff is also required. Satellite food service areas should be provided for distributed sales.

Location (desired proximities):

Centrally located on site with proximity to the periphery of campus for food deliveries.

Food Service Court: connected to the Serving Kitchen along with a staff dining room.

Main outdoor eating area: central and adjacent to Food Service Food Court

Satellite food service and eating areas: per site, as available space exists

Design Features:

Size for kitchen, service area, dry storage, cold storage, staff lockers, restroom and custodial closet: 4,500-5,000 sq. ft. at HS; 3,500-4,000 at MS.

Comply with all County Health Department requirements.

Satellite Areas: Provide infrastructure (power and data) for point-of-sale (POS) machines at remote exterior carts and kiosks.

Remote Serving: Provide infrastructure (power, data, water, sewer and natural gas) for remote exterior preparation and serving areas such as BBQs.

Incorporate the concept of Nutrition as key to the educational process. In this design food service areas would be located as a central hub as well as satellites where students congregate. Concepts to consider:

- Main Food Service Court located near admin offices (which tend to be designed as the site hub) or library.
- Seating provided inside and out which would allow for eating and socializing.
- Food court designs to allow for more sophisticated/upscale dining options.
- Strategic service points around campuses that are already plumbed for natural gas.
- Use of enclosures that can be utilized for multiple concepts i.e. Asian, Mexican, Italian menu features.
- Drinking fountain and water station, in or near all designated eating areas.

Teacher and Staff Dining Rooms (960-1,200 sq. ft. at HS; 800-960 sq. ft. at MS):

- Provide an open countertop space near sink area with enough space to accommodate Owner-furnished (F&E) microwave oven and coffee maker
- Provide a location for a soap dispenser and paper towel dispenser at all sinks.
- Provide CFCI under-counter dishwasher and refrigerator.
- Provide casework that includes drawers and storage cabinets below countertops.
- Provide space and electrical provisions to accommodate two Owner-furnished vending machines.
- Provide an adjacent private patio (400-600 sq. ft.at HS; 200-300 sq. ft. at MS)

Finishes and Features:

Floor:	VCT
Base:	Rubber
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board with tackable wall space
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- Free standing and built-in dining facilities (booths, tables, chairs)
- It is anticipated that a Food Service Consultant will work with the district to develop the furniture and equipment specifications needed for the food court.
- Trash and recycling containers.

20. Restrooms

General:

Restrooms will be needed in accordance with codes. Public, staff and student restrooms will be required. Provide unisex restrooms distributed throughout the campus to meet transgendered requirements.

Location (desired proximities):

Staff and student restrooms should be distributed throughout the campus. Public restrooms should be provided at the administration center, performing arts centers, gymnasiums and fields.

Design Features:

Provide a cleanable facility with adequate floor drains.

At tile floors, use mortar setting bed on first level and provide a depressed slab on upper level floors to accommodate mortar setting. Floor tiles to be 2-inch by 2-inch, integral colored, non-slip with non-sanded, 1/8-inch dark colored epoxy grout joints.

Provide thin-set glazed ceramic tile at walls to approximately 8-foot high. Preference is for cutting of tile to not be necessary. Use cementitious backer board or fiber-glass faced gypsum board as tile backers over water resistant gypsum board. Wall tiles to be glazed, 4¼-inch by 4¼-inch, white field tile with accent colored tile patterns, with non-sanded, 1/8-inch light colored epoxy grout joints. Show patterns and accent trim on the Construction Documents.

Extend ceramic tile behind and above mirrors.

Provide code required accessible clearances, plus 2 inches for each horizontal clearance requirement, except at water closets and other code mandated hard-dimensioned items.

Slope floors away from doors and toward floor drains. Provide multiple floor drains as required to achieve a 1 percent slope to the drain.

Do not utilize urinal partition screens.

Design toilet rooms to prevent visibility into the toilet room with consideration given to the line-of-sight visibility of mirrors.

Use solid plastic toilet partitions (metal partitions are prohibited). Ceiling hung is preferred. Use deterrents on top of panels. Specify and detail overhead braced floor mounted vandal resistant stall dividers.

Design the Student restroom doors with the ability to padlock in an open position.

Restroom Accessories:

- Only accessories required by DSA for access compliance, toilet paper dispensers, soap dispensers and paper towel dispensers shall be specified in the project. Provide backing and

location templates for district vendor supplied accessories (hand soap, paper towel, toilet paper, seat covers, and feminine napkins).

- Provide backing for paper towel dispensers in staff and public toilet rooms for District provided rolled paper towel dispensers. Consult with District Representative for information from the current accessory vendor.
- Provide a location for District provided and installed protective seat covers only at staff restrooms, auditoriums, gyms, joint use, and other toilet rooms that the public will be using.
- Feminine Napkin Disposal, one per stall, all grade levels and staff toilet rooms.
- Mirrors in student toilet are to be stainless steel mirrors without shelves. Staff toilet rooms are to have float glass with stainless steel frame mirrors without shelves.
- Hand dryers at student and public restrooms shall be air only (no heat).
- Trash Receptacles will be provided by the District. Design entry doorways to allow a freestanding trash receptacle next to the door while maintaining proper clearances for accessibility.
- Accessible stalls:
 - a. Specify accessible standard sized multi-roll toilet paper dispenser.
 - b. Combined/recessed units are acceptable, as well as individual items, if space permits.

Finishes and Features:

Floor:	Ceramic tile, terrazzo or polished concrete.
Base:	Ceramic tile, terrazzo or polished concrete
Ceiling:	Painted gypsum board (water and mold resistant)
Walls:	Painted gypsum board; ceramic tile to 8'-0" above finished floor. Use of fiberglass reinforced panels must have approval of the District Representative
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- See list of toilet room accessories under Design Features.
- The District's sanitary supplies vendor will supply most accessories.

21. Custodial Rooms and Grounds

General:

Areas utilized by custodial, grounds keeping, and maintenance should be centrally sited and easily accessible to all other campus areas. The location of the Plant Operations Office and Main Storage should provide for immediate attention of site needs, ease of distribution of supplies, and serve as a backup location for site security and safety. Individual building custodial closets and storage locations should allow for ample supply storage, floor sinks, and safe storage of chemical cleaners. Grounds keeping equipment storage should be large enough to accommodate necessary tools and machinery, and support the needs of the site for storage of indoor and outdoor athletic equipment.

Location (desired proximities):

The Plant Operations Office and Main Storage should be located where external delivery access is convenient yet isolated from student/staff traffic. Loading docks, while not critical, are desirable based upon design criteria of other project spaces. These should be isolated from public traffic and view.

Custodial closets should be distributed throughout campus and within buildings to maximize efficiency and response time.

Grounds keeping equipment storage, however, should be located on the periphery of campus well away from areas in which learning may be adversely affected by the use of power tools and equipment traffic (e.g. tractors, lawnmowers, etc.).

Campus utility areas will be distributed to the campus area as determined by final mechanical and electrical design requirements.

Design Features:

Plant Operations Office and Main Storage (900-1000 sq. ft.at HS; 800-900 sq. ft. at MS): Open floor space for large items storage, shipping and receiving, tool bench, office work station, secured and open storage, wash basin, minimum 48" rollup door, custodial cart storage and power, backup security and life safety panels.

Custodian Closets:

- Floor-mounted mop sink, hot water, and mop rack. Design to accommodate Owner Furnished Owner Installed cleaning product dispensing system above mop sink with cold water hose bib at six feet above finish floor.
- Metal storage shelving and a locking metal storage cabinet.
- 180 degree door swing with hold open device
- Floor drain
- Fiber-reinforced plastic (FRP) wall panels around mop sink (or epoxy painted CMU blocks). Extend 12 inches beyond the mop sink and extent to 8 feet above finished floor.

- One microfiber washing machine and dryer in one custodial room per school. Coordinate floor drain and dryer vent for washer and dryer.
- Exhaust fan with wall louver. Avoid use of door louvers when possible.
- If water heater is in the room, provide sufficient space for access to storage and sinks. Include painted floor striping for areas adjacent to equipment that are required by code to be kept clear.
- Provide ¾-inch plywood sheathing to accommodate anchorage of racks, and hooks on all walls. When possible, expose and paint the plywood that extends to eight feet above the finished floor. When not possible due to fire rating requirements, provide ¾-inch plywood sheathing from floor to ceiling behind the gypsum board on all walls.

Grounds Keeping (800-900 sq. ft.): Tool bench, fuel and chemical storage, wash basin, rollup door.

Finishes and Features

Floor:	Sealed concrete
Base:	Sealed concrete
Ceiling:	Gypsum Board (water resistant)
Walls:	Painted Gypsum Board or CMU block
Doors:	Exterior Door - Gloss Enamel Security Door - Interior Door - Semi-Gloss
Windows:	N/A
Casework	Metal storage and shelving.

Furniture and Equipment:

Plant Operations Office and Main Storage:

- Desk
- Computer and Telephone
- Power hand tools
- Metal shelving
- Sink
- Storage (locked and secured) for items received until distributed
- Storage for cleaners, chemicals, paint
- Custodian electric cart

Custodian Closets:

- Custodian Carts
- Cleaner storage
- Metal shelving

Grounds Keeping:

- Tool storage
- Tool bench
- Gardening tools and machinery (hand tools, tractor, lawn equipment)
- Sink

22. Corridors

General:

Interior corridors not only provide a path of travel between other spaces, they are used as gathering areas and display areas.

Design Features:

Provide sufficient width for passing periods (this may exceed the code required exiting width).

At exterior locations (upper floor exterior corridors and balconies): Provide sealed concrete with integrated waterproof membrane under topping slab with top-cast finish.

Finishes and Features:

Floor:	VCT, terrazzo or polished concrete
Base:	Rubber, terrazzo or polished concrete
Ceiling:	Painted gypsum board
Walls:	Painted gypsum board
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- Lockable bulletin boards
- Display cases
- Directional signage

23. Storage Rooms

General:

Provide storage rooms as required in other sections of these standards.

Location (desired proximities):

Adjacent to uses that require storage.

Design Features:

Provide sufficient area for shelving, counters, and work areas.

In custodial and gardening storage, chain link fence may be utilized as partitions.

Finishes and Features:

Floor:	VCT or polished concrete
Base:	Rubber or polished concrete
Ceiling:	Painted gypsum board and/or suspended ceiling
Walls:	Painted gypsum board
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- For heavy-duty metal shelving units, provide anchorage details.
- Where locking metal storage cabinets are required, provide as CFCI.

24. Mechanical and Electrical Rooms

General:

Provide mechanical and electrical rooms as needed to support the facility.

Location (desired proximities):

Entry doors should not be in prominent places such as immediately adjacent to the main entry or facing main courtyards. Sidewalk access of sufficient width to accommodate vehicles is required.

Design Features:

Access to utility rooms shall not be through classrooms.

Provide an electrical room to include, electrical panels, inverters, and other power related devices. The room must be ventilated. Only step-down transformers may be located inside buildings, at MDF and IDF rooms.

Mechanical Rooms. Provide mechanical rooms for furnaces or other air handling equipment. Do not combine mechanical rooms with other functions.

Include painted floor striping for areas adjacent to equipment that are required by code to be kept clear.

Do not combine with storage rooms.

Finishes and Features:

Floor:	Sealed concrete
Base:	Sealed polished concrete
Ceiling:	Painted gypsum board and/or open
Walls:	Painted gypsum board
Casework:	Plastic laminate
Countertop:	Plastic laminate

Furniture and Equipment:

- Fire extinguishers

25. Main Distribution Frames (MDF) or Head End Equipment Rooms

General:

One MDF is needed for each campus to be the connecting point between service providers and the campus data infrastructure.

Location (desired proximities):

Central 1st floor location to shorten runs to Intermediate Distribution Frames (IDFs).

Design Features:

Rectangular room; minimum of 10 feet by 15 feet clear inside dimensions.

Provide a 42-inch wide outward swinging door with no louvers or glass and locate in the middle of the wall.

Provide enough space to include all low voltage systems head end equipment. Maintain a minimum of 36-inch clearance in the front and rear of each rack. Include 5 racks: 2 fully enclosed server racks and 3 open four post racks (two for data, one spare for IT Department, one for intercom system, one for CATV).

Provide plywood backing wrapping walls 8 feet high by ¾-inch thick, with the "A" side facing out, painted off-white.

The room must have a dedicated air-conditioning system with gravity fed condensate lines. Ventilation only is not acceptable.

Do not run plumbing lines, rainwater leaders, or other utilities not serving the MDF in or above this room. Do not run condensate lines above this room.

Finishes and Features:

Floor:	Sealed concrete or VCT
Base:	Sealed concrete or rubber
Ceiling:	open
Walls:	Painted gypsum board with plywood backing panels

Furniture and Equipment:

- Racks

26. Intermediate Distribution Frames (IDF) Rooms

General:

The IDF is needed to provide a distribution facility for data and technology for each building. Trunk lines connect each IDF to the MDF.

Location (desired proximities):

One IDF per floor (stacked) in each building centrally located (if possible) to reduce distance to furthest classroom or data drop.

Design Features:

Provide a minimum of 10 feet by 10 feet clear inside dimension with a square plan.

Provide a 36" outward swinging door with no glazing or louvers.

Provide an IDF enough space to include, intermediate low voltage systems, 36 inches of clearance around the rack, and include a minimum of two racks. Provide 1 rack for every 150 drops. Teaching stations will require 1 drop for a wireless access point (WAP) (2 for large rooms) or one drop per 30 users, whichever is greater. Teaching stations also require a four-drop location for the teacher and four drop locations for future needs. Science labs require one drop at each peninsula.

Do not design with wall mounted IDF racks. Utilize 4 open post racks.

Provide plywood backing wrapping walls eight feet high by ¾-inch thick, with the "A" side facing out, painted off-white.

The room must have an air-conditioning system with gravity fed condensate lines. Ventilation only is not acceptable.

Do not run plumbing lines, rainwater leaders, or other utilities not serving the IDF in or above this room. Do not run condensate lines above this room.

Finishes and Features:

Floor:	VCT or sealed concrete
Base:	Rubber or sealed concrete
Ceiling:	Open
Walls:	Painted gypsum board with plywood backing

Furniture and Equipment:

- Equipment Racks

BUILDING COMPONENT DESIGN STANDARDS

1. Color Selection

- a) Propose color selections in the Design Development phase. All color selections are to be finalized prior to the completion of the construction documents.
- b) Limit paint scheme to two colors: one main body color and one accent color. Match existing exterior paint scheme when applicable. Design proposals exceeding two colors must have written approval from the District.

2. Exterior Finishes

- a) Finishes must be durable and low maintenance.
- b) Plaster shall be integrally colored and receive a paint finish.
- c) Finishes are to be paintable or if exposed masonry, treat with anti-graffiti coating. Planes above ten feet do not require graffiti coating, however, do not partially coat a plane, even if some portions exceed ten feet. If a break line such as a stucco screed exists above 10 feet, then that break may be used to terminate the anti-graffiti coating.
- d) Non-painted masonry is to be sealed in addition to the anti-graffiti coating.
- e) Exterior Insulated Finish System (EIFS) assemblies are not permitted.
- f) Exterior wood siding, wood doors, or wood trim are not acceptable.
- g) Metal siding shall not be located within reach of pedestrians.
- h) Styrofoam trim pieces are not permitted.

3. Roofs

- a) Roofing types:
 - i) Built-up roofing: minimum 30-year warranty.
 - ii) Sloped metal roofing: minimum 30-year warranty.
 - iii) Composition Shingle Roofs: minimum 20-year warranty.
 - (1) Composition shingle roofs are only allowed for replacement of existing roofs on the auditoriums at Chula Vista Middle School, National City Middle School and Southwest Middle School.
- b) Design flat roofs to have parapets of 42-inch guard height, minimum.
- c) Where the use of tie-offs is unavoidable, tie-offs shall comply with maintenance workers safety requirements per CAL OSHA.

- d) On sloped roofs (3 inches in 12 or greater) to receive a new roof, use standing seam metal roofing that meets the "Cool Roofing" and "Energy Star" roofing criteria.
- e) On low-sloped roofs (½ inch in 12 to 3 inches in 12) use modified bituminous roofing that meets the "Cool Roofing" and "Energy Star" roofing criteria. Do not allow the use of pitch pockets.
- f) Roof access is to be internal in a secure location. External roof ladders are permitted to provide access from one roof level to a higher level.
- g) Locate accessories 10 feet from roof edges without parapets and 12 inches from cant strips at parapets.
- h) Provide tie-offs and safety equipment for the servicing of sloped metal roofing.
- i) Provide walk pads from roof access to the service side of HVAC equipment.
- j) Design to discourage bird perching and nesting.
- k) Roof Drains, Gutters, Downspouts, and Rainwater Leaders:
 - i) Only external gutters and downspouts are permitted. Eaves to have gutters and downspouts, including lunch shelters and covered walkways. Internal gutters are permitted only with the written permission of the district.
 - ii) Provide external 18 gauge, fully welded, rain gutters. Gutters to have a minimum of 6-inch continuous flange to lap under roofing membrane and be secured with heavy duty gutter anchor straps at a minimum of six- feet on center.
 - iii) Size gutter profile per SMACNA design guidelines but minimum of 4-inch by 4-inch with ¾-inch turned edge at lip. Detail with outer edge ½-inch lower than roof edge to accommodate overflowing
 - iv) Do not use internal gutters.
 - v) Downspouts are to be constructed of schedule 40 galvanized steel pipes below ten feet (10').
 - vi) Specify indirect connection to storm drain system via drain inlet at downspout discharge.
- l) Provide four foot high building numbers painted in a contrasting color on each building. Roofs over 8,000 square feet shall have two numbers facing opposite directions and separated by at least 50 percent of the longest dimension of the building. Provide on modernization or HVAC projects if the numbers do not exist or are faded.

4. Interior Wall Finishes

- a) Specify and detail durable, low maintenance interior finishes.

- b) All gypsum board to be Type 'X' 5/8-inch.
- c) Interior corridors, locker rooms and other areas of high abuse are to have reinforced gypsum wallboard with vandal resistant corner guards.
- d) Specify impact resistant panels in sport facilities that do not have concrete or masonry walls.
- e) Do not specify plaster faced gypsum board.

5. Ceilings

- a) Do not use fire rated acoustical suspended ceilings.
- b) Exposed MEP is only allowed in Gyms, Utility rooms, Storage rooms, IDF rooms, MDF rooms, and Custodial rooms. Exposed piping, ducts and conduits are to be painted.
- c) No exposed insulation.
- d) Install non-sag gypsum board at ceilings and soffits.

6. Concrete Building Slabs

- a) Recommend assemblies, admixtures and/or sealers to control slab moisture and pH levels as required by the flooring manufacturer's requirements.
- b) Coordinate requirements for under slab vapor barrier with wood floor manufacturer.

7. Flooring

- a) VCT is preferred. Polished Concrete is acceptable for interior corridors. Unfinished smooth sealed concrete is acceptable in mechanical rooms.
- b) Design patterns may be proposed using one main body color and one accent color at corridors and other appropriate areas to create a sense of identification and design impact. Also, to mark where doors swing into corridors for safety.
- c) Carpet selection is limited to one color and pattern per school.
- d) Where sealed concrete curb and sealed concrete floor meet provide detail illustrating how the joint is finished.

8. Windows and Glazing

- a) Exterior windows to be Low-E, dual pane with thermal break and to be constructed of clear anodized extruded aluminum.
- b) Windows are not allowed on the latch side of doors. Provide a 12-inch wide by 30-inch tall vision window (minimum size) on the hinge side of classroom and office doors.

- c) Provide 8mil Mylar film on glazing in or adjacent to doors, at entries or other places that need security. Coordinate with the District's security manager.
- d) Specify heavy duty hardware with stainless steel hinges and handles on windows. Plastic hardware is not acceptable.
- e) Specify operable window sections in rooms to allow for cross ventilation. Do not include window screens except where required by Health Department.
- f) In classrooms with operable windows, specify single hung windows in the lower section and hopper windows at the top. Do not specify awning windows. Design windows so they do not protrude into path of travel when open. Design pole operated hopper windows to open to the interior to allow access for opening and closing.
- g) At food service windows, specify double hung windows with operable stainless steel screens in compliance with the Health Department requirements for maximum size opening.
- h) Design sun shading of windows. Screen from direct sunlight with overhangs or external sunshades.
- i) Use fire rated glazing only when other options are not available. Use wire glass or fire doors before using fire rated glazing. Consider eliminating windows that require fire rated glazing. Avoid need for fire sprinkler water curtains to protect openings.
- j) Dual pane glazing to be standardized in size for ease of replacement.
 - i) Panes cannot be larger than can be handled by one person, maximum five feet by five feet.
 - ii) Specify no more than five pane sizes per site.
- k) Glazing to be installed from inside the building when the top of the panes are over eight feet above grade.
- l) Provide a standard minimum sill height of 48 inches, except at windows for service and point-of-sale interaction.
- m) Curtain walls are to be avoided.
- n) No glazing below 16 inches.
- o) The use of insulated polycarbonate glazing systems and similar wall panel systems is prohibited.
- p) Provide motorized openers at high, inaccessible, windows.

9. Window Coverings

- a) Manual operated heavy-duty roller shades shall be provided at classrooms, offices, conference rooms, nurse's room, classrooms, and other areas where appropriate.
- b) Provide shades in existing building when modernizing or adding air conditioning. If only some windows have existing shades, provide new shades for all windows.
- c) Do not specify motorized shades unless absolutely necessary because of location.
- d) Specify black-out shades in the Chemistry and Physics labs.
- e) Limit color selection to one.

10. Ramps, Guards, and Handrails

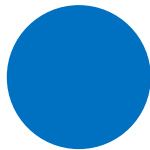
- a) Whenever possible reduce the need for ramps through use of sloped walks.
- b) Do not design ramps to maximum allowed slope by code to accommodate construction tolerances. Ramps should be designed up to a maximum slope of 8 percent in order to stay within the absolute maximum 8.33 percent.
- c) Exterior railing to be hot-dipped galvanized steel. Do not paint.

11. Room Numbering, Naming, and Building Signage

- a) Building numbers shall be determined during schematic design.
- b) Room numbers shall be determined during design development (or schematic design) so that the room numbers on the construction documents will match the assigned room numbers.
- c) Room numbering shall be used for electrical panel labeling, phone assignments, data outlet assignments, energy management system, security alarm device addresses and fire alarm device addresses.
- d) Room numbers and building signage shall be mechanically fastened with vandal-resistant fasteners and reinforced with double-stick tape.
- e) Coordinate signage locations with other items that may be in conflict, such as windows adjacent to doors where room identification sign is required to be placed. Signage may not be affixed to windows.
- f) Room identification signage is not desired at non-occupied rooms such as utility and storage rooms.
- g) For new construction or major modernization, projects provide an allowance for a 12" x 18" bronze dedication plaque. Coordinate a location near the Administration building with

the District and provide backing in the wall to support the plaque as part of the construction contract. District will provide text and SUHSD Logo during construction.

- h) Refer to local jurisdictions for building and address signage required at entrances.
- i) Restroom signage:
 - i) Colors: International Blue and white should be used for accessible restrooms.
 - ii) Include Braille of all text as required by code.
 - iii) Multiple-occupant (gang) restrooms:
 - (1) Use circle and triangle symbols on doors: Signs "A" and "B" below.
 - (2) Use "BOYS", "GIRLS", "MEN" and "WOMEN" wall signs to distinguish restrooms.
 - (3) At accessible restrooms, add sign "C" below next to the wall sign or incorporate the accessibility symbol in the wall sign.
 - iv) Single-occupant restrooms:
 - (1) All restrooms: Use sign "D" below on the door and wall sign "E" for non-accessible restrooms.
 - (2) Accessible restrooms: Add sign "C" below next to the wall sign or incorporate the accessibility symbol in the wall sign.



Sign A



Sign B



Sign C



Sign D



Sign E – blue sign, white lettering

12. Doors

- a) Doors shall be hollow-metal doors. Do not use wood doors.
- b) Use hollow-metal door frames; do not use wood frames or knock-down (K-D) frames.
- c) Minimum sized door is 3-foot by 7-foot.

- d) Doors shall not exceed eight feet high or four feet wide.
- e) Doors sizes greater than 3-foot by 7-foot shall be increased by 2-inch increments.
- f) Door thickness shall be 1¾ inches, no exceptions.
- g) Doors shall not have vision lites or windows, except:
 - i) Doors to music practice rooms shall have half glass, insulate as appropriate for acoustic insulation.
 - ii) Storefront entry door systems (not permitted without specific written approval from the district).
- h) Hardware:
 - i) Submit completed finished hardware specification to the District Representative for review and acceptance with the District locksmith prior to including in bid documents.
 - ii) Keying:
 - (1) Keying to be tied into the District grand mastered keyway system.
 - (2) The District Locksmith will determine keying requirements.
 - (3) District locksmith will key cylinders to be installed after installation of hardware is complete and just prior to Owner occupancy.
 - (4) Contractor to have the supplier send zero bitted cores with specified keyway and key blanks directly to District locksmith. Materials must be received directly from the manufacturer six months prior to occupancy.
 - iii) Lever/Locksets:
 - (1) Lock/lever sets to be in accordance with DSA Bulletin 11-05 (AB 211) that allow doors to classrooms and any room with an occupancy of five or more persons to be locked from the inside. Doors that are always locked from the outside and student toilet room doors are exempt.
 - (2) Unless otherwise specified, exterior and interior locks shall be mortised type.
 - iv) Exit Devices:
 - (1) Exit devices shall be furnished with rim touch bar device.
 - (2) Specify with flush, cup style pull.
 - (3) Specify keyed removable mullions at paired doors.
 - (4) Specify with hex dogging where allowed by code.
 - v) Door Closers: Exterior and fire rated doors to have door closures.

- vi) Stops: Provide floor mounted door stops at doors with a minimum of two fasteners. Avoid the use of wall stops.
- vii) Door Louvers:
 - (1) Do not specify exterior door louvers.
 - (2) Interior door louvers to be heavy duty, vandal resistant, fixed blade louvers.
- i) Accessories:
 - i) Specify kick plates at the base of doors high abuse locations such as gym, locker rooms, toilet rooms, storage rooms, etc.

13. Architectural Woodwork and Casework

- a) Acceptable finishes are wood veneer, plastic laminate, and paint.
- b) Use common woods such as birch, fir, and maple. Do not use exotic or scarce woods.
- c) Use woods that are certified by the Forest Stewardship Council (FSC)
<http://www.fscus.org/> where practical and available. Check cost and availability before specifying.
- d) Bamboo or other rapidly renewable resource may be used with written permission of the district. Provide cost and availability before specifying.
- e) Provide plastic laminate countertops unless epoxy-resin is required for programmatic purposes. Provide backsplashes where countertops are susceptible to water damage such as art rooms and sink cabinets.

14. Acoustical Treatment

- a) Comply with CHPS acoustical prerequisite requirements. NC-30 or better for learning spaces
- b) Architectural acoustical treatment is required at all spaces. Acoustical ceilings are the minimum requirement. Carpet and sound absorbing wall panels may be used in lieu of acoustical ceilings.
- c) Specify acoustical metal decking when exposed in locations with acoustical requirements.
- d) Provide sound insulation in all walls at occupied locations. Fill wall cavities completely.
- e) Extend wall framing with sound insulation to room or underside of floor above at conference rooms and other areas where sound transition is a concern, but sound walls are not necessary.

- f) Provide staggered stud sound walls in areas where sound transmission is a concern such as occupied areas adjacent to auditoriums, band rooms, band practice rooms, and toilet rooms.
- g) Mitigate noise from mechanical equipment. Coordinate with mechanical equipment provisions for sound deadening.

15. Concrete Masonry Unit (CMU) Walls

- a) Provide furred out walls, when necessary, to accommodate switches, conduits, outlets, etc.
- b) At all non-rated walls provide a "block out" opening to run new, existing, and future conduit through.
- c) Detail connections of steel beams between CMU walls with field welded connection on at least one side to accommodate construction tolerances and work sequence.
- d) CMU is to be sealed in all cases on the side exposed to weather, or both sides where freestanding and exposed to weather.
- e) Limit color selection to two colors: one main body color and one accent color. Design proposals exceeding two colors must be approved by the district in writing.

16. Fire Extinguishers

- a) All required fire extinguishers are to be included in the construction contract and installed in semi-recessed fire extinguisher cabinets. Locate in appropriate wall types; wall-mounted cabinets are to be avoided due to accessibility clearance requirements.
- b) Provide painted steel cabinets with glazing in the door.

17. Vertical Circulation

- a) Building Stairs:
 - i) Stair risers must be solid.
 - ii) Detail a two-piece aluminum stair nosing.
- b) Elevators:
 - i) Coordinate any required devices in the elevator shaft, such as: smoke detectors, heat detectors, and fire sprinklers with the elevator manufacturer, California Building Code, and the State Elevator Inspector.
 - ii) Elevator cabs shall be sized to accommodate standard gurneys.
 - iii) Provide flooring for cab, include on finish schedule on the Drawings.
 - iv) Elevator equipment room and shaft to be rated per code requirements.

- v) Size rooms of sufficient size to accommodate the specified manufacturers.
- vi) Provide proximity fob addition to key operator to call elevator.
- vii) Do not run conduit, water lines, roof drains, or other utility not serving the elevator in these rooms.
- c) Accessibility Lifts:
 - i) Avoid the use of lifts whenever possible. Lifts are not allowed in new construction.
 - ii) Provide code required lighting levels for lifts.

MECHANICAL STANDARDS

1. General Requirements

- a) All interior spaces shall be air conditioned unless specifically excluded herein or in writing by the District.
- b) The HVAC system shall comply with the current California Code of Regulations, T-24, the standards of ASHRAE and NFPA as well as the requirements of local authorities having jurisdiction including but not limited to the county health department for kitchens, air quality management district for emissions and permitting related to boilers, City and County Pollution Control District and Fire Departments for Hazardous materials storage and distribution.
- c) Comply with the minimum requirements of Title 24 energy efficiency standards, however the District encourages the designs to improve on the minimum performance to the extend life cycle cost effective. Consult with San Diego Gas & Electric to determine the amount of any incentives for higher efficiency such as "Savings by Design".
- d) All projects shall be designed to meet CHPS certification requirements but certification is not required. For Sample CHPS score card see the Collaborative for High Performance Schools "Best Practices Manual" (available at <http://www.chps.net>).
- e) Assure maintenance and accessibility provisions for servicing and replacement. Provide adequate working space around equipment for servicing. See Roofs for walk pad requirements.
- f) Single-drop gas package roof-mounted equipment is preferred (Trane or Carrier). All other equipment types and locations must be approved by the District in writing.
 - i) Fixed ladders and roof hatches shall be incorporated in projects where regular access to the roof is required for servicing equipment. Comply with Cal OSHA requirements. In existing buildings provide ladders and roof hatches in existing custodial or utility rooms; if interior roof access is not possible, do not provide exterior ladders.
 - ii) Do not provide screening for roof-mounted equipment.
 - iii) Locate rooftop equipment, of any sort, such that guardrails are not required at roof edges.
 - iv) Locate rooftop equipment to maintain proper clearance for intake and exhaust separation.
 - v) All curbs must be 8" minimum.
- g) If components requiring regular service are located above ceiling, they shall be accessible from the floor via portable ladder through access doors or removable ceiling tiles of adequate size to accommodate requirements of servicing.

- h) Locate mechanical equipment in a manner to minimize noise transmission into occupied spaces. Use vibration isolation, concrete pads and insulated and flexible ducts.
- i) Filter sizes shall be standard sizes and shall be limited to the minimum number of different sizes as much as practical.

2. HVAC System Commissioning

- a) Coordinate project specific commissioning requirements with the District Representative and the District's commission consultant (if applicable).
- b) Provide the commissioning requirements needed before the District will accept the project as complete. This includes air balancing and submission of balance reports, acoustical measurements and submission of acoustical reports for noise sensitive areas, final calibration and set points for control systems and components, and training of the District's Maintenance and Operations staff for operating and maintaining the systems prior to occupancy. Also require re-balancing, review of equipment performance and submission of findings on a report to the District prior to expiration of two-year warranty.
- c) Require a review on site and re-training for maintenance department prior to the end of the warranty period.

3. HVAC System Design Criteria

- a) Review scope statement and propose additional scope that may be determined necessary with designated District representative prior to starting design.
- b) Review existing site specific HVAC and plumbing conditions with the Maintenance and Planning and Construction Departments to identify problems or issues at the site or within the district to avoid repeating problems being experienced at sites or past projects.
- c) Following the initial investigations and consultations with the District, present the proposed approach for HVAC to the District in a narrative form with catalogue cuts and any drawings or diagrams to amplify or explain approach. This should be done as early as practical, preferably in the schematic design phase. Design shall not proceed until the approach and concept design is reviewed and accepted by the District.
- d) Calculations and Load Criteria
 - i) Heating and cooling load calculations shall be performed using a computerized load calculation program that is ASHRAE-based and intended for calculating heating and cooling loads for HVAC design. In addition, a computerized energy simulation shall be performed to use in conjunction with life cycle cost analysis and as required by Title 24. A certified program shall be used for compliance, such as Energy Pro. Copies of calculations shall be submitted on request from the District. Equipment shall be sized and selected to handle the heating and cooling loads calculated, and per the requirements of Title 24 and meets requirements.

- ii) Utilize the appropriate outdoor design conditions as required by Title 24 and ASHRAE with appropriate adjustments to temperatures for site specific conditions such as coastal vs. inland.
- iii) Indoor design conditions (if not noted below) shall be as required by Title 24 and ASHRAE.
 - (1) For most occupied, fully conditioned spaces, design HVAC systems to be able to maintain the following conditions: Heating: 72 degrees F; Cooling: 74 degrees F. Thermostat set points however shall be as follows: Heating: 68 degrees F; Cooling: 74 degrees F during occupancy (M-F 7:00 am to 3:30 pm) and Heating : 40 degrees F; Cooling: 99 degrees F during unoccupied periods); does not apply in specialty areas such as music rooms or other spaces where the program requires something different.
 - (2) For electrical rooms, maximum temperatures shall be 85 or as otherwise required by the engineer for the equipment installed in the room. Provide with thermostatically controlled exhaust fan, unless above conditions cannot be maintained or lower temperatures are required by District or designer for equipment contained in the room.
 - (3) Heating only spaces such as locker rooms and gyms, corridors etc., shall be heated to 68 degrees.
 - (4) 'Traditional' shop spaces shall be heated to 68 degrees or provided with infrared heating for occupant comfort.
 - (5) Kitchens shall be designed for 70 heating and 78 cooling.
 - (6) IT/MDF/IDF spaces shall be conditioned to temperatures required for equipment contained in the space.
 - (7) Elevator equipment rooms shall be conditioned as required and shall meet all the requirements of the State Elevator Inspectors.
- iv) Internal loads such as lighting, equipment and number of occupants shall be based on industry practice but shall be validated by District to allow for any unique uses within the District.
- e) Systems shall be properly zoned according to exposure and occupancy/usage. No more than one classroom (including associated offices or practice rooms) per zone or more than 4 similar offices (administrative, counseling, etc.) on the same exposure on the same zone. If multiple counseling offices are on a single zone, ensure sound privacy between offices.

4. Ventilation Criteria

- a) Minimum outside air rates delivered to the occupied spaces shall be in accordance with Title 24 or ASHRAE Standard 62, whichever is more stringent.

- b) "Demand Control Ventilation" (CO2 control) of minimum outside air delivery rate shall be used on high occupancy spaces, including multipurpose rooms, cafeterias, gymnasiums, and theaters. Provide override for humidity control.

5. Exhaust Criteria

- a) Student toilet rooms shall be exhausted at a rate of 12 air changes per hour and be held at a negative pressure. Fans shall have a 15-minute time delay.
- b) Custodial closets shall be exhausted at a rate of 6 air changes per hour, be held at a negative pressure and be manually switched. Gas water heaters shall not be installed within custodial closets.
- c) Exhaust for specialty areas such as shops and other career technical educational (CTE) spaces shall be suitable for functions in the space. Rooms with noxious fumes that cannot be controlled with source capture systems shall be fully exhausted.

6. Acoustic Criteria

- a) Noise and vibration control are required for mechanical systems and are critical for the instructional environment. HVAC system must comply with the latest edition of ASHRAE Applications, Chapter 48, Noise and Vibration Control and additional measures required to meet CHPS criteria. It is recommended the designers consult with an acoustical specialist to validate that the mechanical systems are compliance with required noise criteria. For HVAC only projects, only duct and diffuser air flow velocities are required to meet the RC(NC) requirements.

<u>Area</u>	<u>RC (NC)</u>
General Office	30-40
Corridors	40-45
Public Spaces/Shops	40-45
Mechanical Areas	50
Dining/Common	40
Classrooms	30
Administration	30
Libraries/Performing Arts	25
Multipurpose/Gyms	45

- b) Internally line, with acoustic duct liner, supply and return ducts for a minimum of ten-feet from HVAC units and exhaust fans, except for moist airstreams such as evaporative cooling, shower exhaust, grease ducts, and the like, that are not suitable for internal

lining. On larger air handling systems, acoustical lining may be insufficient and sound traps, heavier gage sheet metal and other strategies may be necessary including vibration isolation of prime movers and distribution.

- c) Transfer ducts or grilles between adjacent classrooms, offices and noise sensitive spaces, shall have offsets and lining to control noise.
- d) Rooftop units shall be generally mounted on spring curbs unless 3-ton capacity or less on moderately stiff roofs. Comply with ASHRAE Acoustical and Vibration guidelines, which recommend spring deflection to be a minimum of 10 times maximum roof deflection at the support points of the HVAC units. Consideration shall be given to lining the inside of the curbs with layers of gypsum board. One piece curbs are preferred. Curb top shall be a minimum of 8 inches above the roof surface.
- e) Select diffusers to accommodate minimum/maximum flows without dumping or exceeding space noise criteria previously defined. Place grilles to provide adequate mixing in space and velocity in areas of the occupied zone (three feet to seven feet above finished floor) between 50 and 80 fpm.
- f) When equipment is mounted outdoors or is inside behind louvered surfaces and adjacent a property line, the potential exists to exceed the local noise ordinance. Caution must be taken to verify local requirements and design systems to be under the thresholds.

7. Indoor Air Quality

- a) Minimum outside air rates shall be in accordance with Title 24 or ASHRAE Standard 62, whichever is more stringent.
- b) Locate outside air intakes away from pollutant sources and plumbing vents.
- c) Design local exhaust at indoor pollutant sources.
- d) Specify low VOC duct materials and duct sealants, as defined in CALGreen.
- e) Specify a 72-hour pre-occupancy building purge at system start-up. Run heating cycle on full continuously for 72 hours with exhaust fans on.
- f) Design control systems to provide the Title 24 required daily pre-occupancy purge cycle.

8. HVAC System Selection Criteria

- a) HVAC systems shall be selected on the best combination of first cost, cost to operate and maintain, useful life, reliability, flexibility, ease of maintenance and comfort. When a choice exists between multiple system types that meet the criteria, a life cycle cost analysis shall be utilized based on a 20-year life cycle.
 - i) Comfort considerations shall include noise.

- ii) Cost to operate and maintain shall include considerations for vandalism, energy cost, replacement parts, environmental and permitting requirements.
- iii) Consideration shall also be given to the yearly load profile, so equipment can effectively and efficiently operate at all expected minimum and maximum loads.
- b) Design system to accommodate any of the major equipment manufacturers such as Carrier or Trane. Quality shall be commercial grade (no residential units allowed).
- c) Only decentralized HVAC systems shall be used. Decentralized systems consist of HVAC units which serve a single zone and are relatively 'stand-alone' except for the connection of utilities such as gas or electricity. These would include packaged rooftop air conditioners and split system air conditioners. Decentralized (non-heat pump) systems shall be used for 24-hour loads such as IT spaces.
 - i) Packaged, single-drop, outdoor rooftop systems are preferred.
 - ii) Split systems are permitted only with written approval of the District and can include, the following combinations: interior gas furnace units with DX cooling and built-up economizers (outdoor condensers located on grade in completely fenced enclosures including a fence "roof"); interior fan/coil units with heat pump condensing unit and built-up economizers; metal jacket insulation on all exposed lines.

9. HVAC System Application

- a) 'Passive' HVAC shall be utilized whenever life cycle cost effective and can meet all the thermal comfort, acoustical and air quality criteria. This includes natural ventilation for cooling and to meet minimum outdoor air requirements.
- b) General Classrooms: One zone per classroom. Minimum of two supply grilles and minimum one return per classroom. Consider incorporating thermal displacement style distribution with a minimum of two drops for a typical 960-square-foot classroom. Particular attention shall be taken in placing inlets and outlets for optimum distribution.
- c) Science Classroom: Same as general classrooms except supply air shall be 100% exhausted in biology or chemistry rooms. Return air shall be used where possible in non-odorous science classrooms. If room incorporates chemical hoods or utilizes hazardous materials, consideration shall be given to air flow patterns within room to avoid re-entrainment of hazardous fumes and or eddies near fume hoods. Hoods shall be incorporated with appropriate, end-of-run exhaust fans with suitable discharges.
- d) Arts and Crafts Classroom: Similar to science classrooms except where kilns are used, they shall be provided with special kiln ventilation systems as recommended by the kiln manufacturer.
- e) Kitchens shall be air conditioned to maintain comfort for the workers and provided with appropriate ventilation and make up for cooking range hoods and dishwashing areas.

Ideally, refrigeration condensers for walk-in coolers and walk-in freezers shall be located outside.

- f) Gyms, locker rooms and corridors shall be heated and ventilated only. Shower areas shall be exhausted.
- g) Career technical education spaces (CTE) such as shops for auto and wood shall be heated and ventilated only, with a preference toward radiant heating, or space heating that is switched to shut off when the roll-up door is opened. Source capture exhaust systems, appropriate for the use, shall be provided as required (e.g. sawdust collection). Provide electrostatic room filtration unit(s) for these spaces to reduce dust accumulation. The CTE spaces associated with culinary, engineering, health/medical and forensics shall generally be treated similar to classrooms, with specialty exhaust as required for the specific application.
- h) Toilet rooms, custodian closets shall be ventilated only; storage rooms shall be unventilated unless requested otherwise by the District.
- i) IT closets and other spaces with 24-hour loads shall be conditioned with independent systems.
- j) Provide building pressure relief in spaces that are pressurized due to minimum outside air introduction or due to economizer outside air introduction. Adequate relief shall be provided so that ADA Door Closure Requirements are met in all rooms. Gravity relief is preferred.

10. Air Distribution Criteria

- a) Coordinate locations of required access doors with architectural reflected ceiling plans and show accordingly.
- b) Avoid remote damper controls. If necessary, indicate and coordinate location with architectural.
- c) Duct systems shall be designed in accordance with ASHRAE and SMACNA standards, and per applicable codes. Duct systems shall be designed for quiet and efficient system operation.
- d) All ductwork is to be sealed after fabrication and until in service per CHPS requirements.
- e) Return air shall be ducted.
- f) Round ductwork is preferred, space permitting. Ductwork is preferred to be concealed, however exposed ducts may be used as long as they don't interfere with sightlines or lighting or fire sprinklers. Exposed ductwork shall be painted.
- g) Existing ductwork should be replaced to the greatest extent feasible on renovated systems. Any ductwork that is reused for new systems shall be cleaned and sealed to standards equivalent to new ductwork.

- h) Flexible ductwork may be used for the last 7-8 feet of a distribution run to connect ceiling inlets and outlets in suspended ceilings.
- i) Velocity of ductwork shall be limited to the recommendations of SMACNA and not to exceed California Mechanical Code to meet any acoustical criteria for the spaces served. Generally duct shall be sized via the equal friction method, for low-pressure, low-velocity applications (1,500 fpm maximum inside shafts and 1,000 fpm elsewhere except above noise sensitive spaces which may be lower). Avoidance of excessive friction in the distribution system is an important consideration for long term energy savings and thus careful consideration of the number and type of fitting and the duct velocity to minimize friction loss is expected.
- j) Low air velocity should be applied at acoustically sensitive rooms.

11. Equipment Section/Sizing Criteria

- a) Packaged and unitary HVAC units, indoor and outdoor, shall have an efficiency rating or at least 15 percent higher than that required by Title 24. When equipment is available with energy efficiency higher ratings, such equipment shall be specified, provided there are enough manufacturers who can meet the higher efficiency requirement to insure a non-proprietary competitive bid.
- b) All coils shall be corrosion resistant.
- c) High efficiency type motors shall be specified for HVAC equipment and exhaust fans.
- d) Air Handling Systems:
 - i) Size to accommodate peak calculated block load for spaces served and add 5% additional capacity for safety and 5% for leakage.
 - ii) Cooling Coils shall be sized for no more than 400 feet per minute face velocity and heating coils for 600 feet per minute.
 - iii) Maximum size for a single air handling unit is 30,000 cfm unless otherwise approved by the District.
 - iv) Plenum fans and airfoil or backward inclined wheels are preferred over forward curved. Select for maximum efficiency. Variable speed motor controllers shall be used when applied on variable air flow systems. Discharge dampers shall not be used.

12. HVAC Controls

- a) The building automation/energy management system shall be compatible with the existing District wide energy management system (Honeywell WEBs System).
- b) The temperature control system shall be comprised of a network of interoperable, stand-alone digital controllers communicating via LonMark/LonTalk communication protocols to a Network Area Controller.

- c) Control panels shall be stand-alone in memory, networking, and control operations. The design of the controls shall be in a modular format, permitting future expansion capabilities. The system shall monitor and control equipment according to the sequence of operation, as well as additional input and output points. The building control system shall operate to ensure operational safety, regulatory compliance and to satisfy process constraints as well as occupant comfort.
- d) HVAC unit operating schedules shall be controlled by an Energy Management System (EMS). Determine if campus already has an EMS system and if so, coordinate adding the new building(s) to the existing system. If no EMS system exists, then provide a new campus-wide control system and modem for remote communications to control both the exterior lighting and the HVAC systems. Coordinate with electrical engineer. For each campus, HVAC units shall be zoned as 1) Classrooms, 2) Administration, and 3) Multipurpose/Gymnasium. Coordinate with the School District to provide necessary telephone modem lines. Pneumatic control systems will not be acceptable. HVAC Units shall be provided with factory economizer controls.
- e) If embedded controls on equipment furnished under this contract are utilized as part of the control sequence, designers shall ensure compatibility between the District's EMS and site specific control system and the equipment.
- f) For each HVAC unit, provide a wall sensor connected to the EMS system. Wall sensor shall have local adjustment for +/- 2 degrees and an override button with 30 minute override increments up to 2 hours.
- g) Thermostats shall be used in lieu of wall sensors when EMS is not available, such as in portables. Thermostats shall be programmable with time control, deadband and set back features along with bypass switch. Program for operation from 6:00 a.m. to 5:00 p.m. Set points shall be 68 degrees heating and 72 degrees cooling with local adjustment for +/- 2 degrees. Provide override button with 30 minute override increments up to 2 hours. Provide suitable sub-base and locking cover with key lock. Confirm exact features with District's project manager.

13. Sequence of Operations for Air Conditioning Systems

- a) Provide a wiring diagram in the drawings indicating the required sequence of operations.

PLUMBING STANDARDS

1. General Requirements

- a) The Plumbing systems shall comply with the current California Code of Regulations, Title 24, Title 19 and Title 8 as well as the standards of ASPE and NFPA and the requirements of local authorities having jurisdiction including but not limited to the county health department for kitchens, city and county pollution control district and fire departments for hazardous materials storage and distribution.
- b) Plumbing System Components shall comply with California Assembly Bill 1953 (effective January 1, 2010), which limits the allowable lead content in certain potable water system components.
- c) Design systems to be durable, easy to service and energy efficient. Should the choice exist between multiple alternatives that all generally achieve the same goals of quality, duty and cost to operate and maintain, the decision shall be made on the basis of a 20-year life cycle cost analysis.
- d) Assure accessibility provisions for servicing and replacement.
 - i) Where practical, all equipment shall be housed within interior equipment spaces within buildings.
 - ii) Roof mounted equipment is discouraged unless no other alternatives are available and may only be done with the approval of the District. Fixed ladders and roof hatches shall be incorporated in projects where regular access to the roof is required for servicing equipment. Comply with Cal OSHA requirements.
 - iii) Provide adequate working space around equipment for servicing. Coordinate with architectural drawings for required clearance striping.
 - iv) If components requiring regular service are located above ceiling, they shall be accessible from the floor via portable ladder through access doors or removable ceiling tiles of adequate size to accommodate requirements of servicing.

2. Plumbing System Commissioning

- a) Coordinate project specific commissioning requirements with the District Representative and the District's commission consultant if required for CHPS requirements.

3. Design Coordination with District

- a) Prior to starting design, meet with the District's Maintenance Department and review existing site specific plumbing conditions, problems or issues if applicable as well as issues of general concern within the district to avoid repeating problems being experienced on other sites or past projects.

- b) Review scope statement and propose additional scope that may be determined necessary with the District representative and the Maintenance Department prior to starting design.
- c) Meet with District representative to help develop phasing schedule and coordinate system design for construction phasing requirements. The goal is to minimize impact to school operations and allow for functioning systems during construction.
- d) For renovations, review plumbing as-built drawings, conduct independent site investigations and evaluate existing conditions. Incorporate findings into the Field Report due at the end of the Schematic Design phase and update as necessary in subsequent submittals.
- e) Following the initial investigations and consultations with the District, the proposed approach for plumbing shall be presented to the District in a narrative form with catalogue cuts and any drawings or diagrams to amplify or explain approach. This should be done as early as practical, preferably in the concept stage. Design shall not proceed until the approach and concept design is reviewed and accepted by the District.

4. **Site Utilities**

- a) Contact utility providers to determine the site specific requirements, confirm availability of desired pressure and flow rates and make a recommendation to the District for the most cost effective service connection.
- b) Gas meters shall be enclosed in utility yard that meets the utility company's requirements. Locations shall be approved by both the District and the Utility Company. Specify a seismic gas shutoff valve on the consumer side of the gas meter with-in the secure utility yard.
- c) Site gas distribution piping shall be medium pressure (5 PSIG) where available, and regulated down to low pressure (12-inch W.C.) at each building. Specify code-required accessible gas shutoff valve outside each building served. Building shutoff valves and regulators shall be accessible for service but located to prevent vandalism.
- d) Size site utilities to allow for possible future campus expansions. Coordinate with master plan requirements.
- e) Coordinate fire hydrant locations with the local fire jurisdiction.
- f) Confirm the existence of utilities within the project area. At heavily congested locations, critical routing and/or points of connection, locating services may be desired in addition to pot-holing in strategic locations. Discuss recommendations of these additional measures with District if the potential exists for interferences that could cause major cost or disruption.
- g) Design site water system with isolation valves for major areas, at building entrances, or at mains on branch lines to buildings. Valves shall be accessible for maintenance and replacement. Exposed valves and back-flow preventers shall be protected with cages or fencing.

- h) Tracer wires shall be provided for all non-metallic underground piping systems.

5. Building Plumbing Systems

- a) The project shall be provided with complete interior plumbing systems, connected to site services complying with the requirements of the California Plumbing Code (CPC). This may include but is not limited to, domestic cold water, domestic hot water, sanitary soil, waste and vent, acid waste and vent, grease waste and grease vent, storm drain, condensate, fuel gas systems and compressed air as needed for the scope of the project.
- b) Water Distribution:
 - i) Each building shall have a shut-off valve for isolating that building.
 - ii) Provide water service to all fixtures and outlets that require supply. Design distribution to enable 25 psi to be maintained at furthest flush valve; provide booster systems as required.
 - iii) Size piping based on the number of fixture units and demand load curves in the CPC.
 - iv) Provide water hammer arrestors for portions of system that may be subject to water hammer, such as for quick closing valves.
 - v) Maximum water velocity shall be 5 feet per second for pipes 2 inches and smaller and 7 feet per second for piping 2½ inches and larger
 - vi) In noise sensitive spaces, the use of isolation at support points may be required; consult acoustical engineer.
 - vii) Minimum pipe size serving any flush valve shall be 1¼ inches. May be reduced in wall cavity to flush valve connection size, e.g. 1 inch, prior to penetrating wall.
 - viii) Design cold water system with shut off valves to enable isolation of distinct areas of the building, such as at each floor and each toilet room. Provide at each piece of equipment (e.g. water heater). Valves shall be accessible to maintenance and replacement.
- c) Waste and Vent
 - i) General:
 - (1) The use of low-flow fixtures affects the slope required for waste lines. Waste lines shall be designed with slopes to exceed code required minimums at low-flow fixtures whenever possible. Determine the slope necessary for complete flushing of the waste lines.
 - (2) Cleanouts shall be provided above all urinals, under sinks and elsewhere required by code. Exterior cleanouts shall be installed in yard boxes or in walkways, flush with surface. Interior cleanouts shall be located to avoid finished

public or student areas and if unavoidable, shall be fit with suitable top a located to be as unobtrusive as possible, yet functional for its intended use.

- (3) In addition to the chemical waste and grease waste below, other waste streams may be subject to regulatory oversight and may require pre-treatment such as auto shop drains, film processing drains and other applications using and potentially discharging regulated chemicals or substances.
- (4) Interceptors shall be located so they may be effectively inspected and cleaned. Interceptors shall be separately vented.

ii) Chemical Waste and Vent:

- (1) Consult with local department of public works relative to waste disposal requirements for chemical waste. Provide neutralization system if required and or sampling box. Confirm the requirements with the local jurisdiction.
- (2) Chemical waste and vent system shall be independent of other waste and vent systems.

iii) Grease Waste

- (1) Consult with local department of public works relative to waste disposal requirements for grease waste. Provide trap of size as required to meet demand and local requirements of jurisdiction. Health department approval may be required.

iv) Storm Drain

- (1) Storm drain systems shall be piped to underground. Provide roof drains and overflow drains as required by code, compatible with roof system.
- (2) Design for a minimum of 3 inches per hour rainfall.
- (3) Insulate rainwater leaders and bodies of roof drains in interior areas subject to condensation.

d) Natural Gas:

- i) Avoid lengthy horizontal roof mounted piping. Paint exterior piping.
- ii) Provide shut-off valve, union, flex connection and dirt leg on all gas connections to appliances.
- iii) Provide accessible shut off valves for each gas outlet or groups of outlets with a room (master shut-off valve for science classrooms, in secure location not accessible to students).
- iv) All valves shall be protected from public or student tampering.

- v) Regulators if required in addition to appliance regulators furnished with gas fired equipment, shall be located in secure locations and vented to exterior when located inside buildings.
- e) Compressed Air:
 - i) If required for curriculum or for staff use, verify demand and pressure requirements with users.
 - ii) Compressors shall be duplex, tank mounted and located within secure mechanical spaces whenever possible. Provide dryer and filters. Contractor shall be responsible for all operating permits.
 - iii) Piping shall be sloped to facilitate drainage and shall be provided with end use connectors needed for required function.
- f) Water Heating:
 - i) Hot or tempered water shall be provided in the following locations:
 - (1) Staff rooms with sinks or lavatories
 - (2) Science classroom sinks or as otherwise required for curriculum
 - (3) Special education classroom sinks
 - (4) Art classroom sinks
 - (5) Shop sinks
 - (6) Staff and public toilets
 - (7) Showers including emergency showers (tempered only)
 - (8) Custodial sinks
 - (9) Washrooms serving food service areas
 - (10) Kitchens
 - (11) Nurses offices
 - ii) Water heaters shall be located as close to the point of use as possible and set at temperatures to minimize bacterial growth. Provide tempering valves as required to limit discharge at student and public uses to 120 degrees maximum.
 - iii) Domestic hot water temperatures shall be 120 degrees F storage at the tank and 110 degrees F delivery from the fixture. Hot water for kitchens shall be 140 degrees F, and for commercial kitchen dishwashers shall be 160-180 degrees F, or as required by the dishwasher manufacturer. Delivery temperature of hot water will be controlled by mixing valve.

- iv) High efficiency water heaters including solar thermal and heat pump water heaters should be evaluated as part of the overall sustainable strategy and CHPS goals.
- v) Locker and shower room water heating system shall be of the separate water heater and storage tank type with hot water recirculation system and thermal expansion tank, and shall be dedicated for student shower areas. Coach's functions shall be served by separate dedicated water heater.
- vi) Tank type water heaters may be used in kitchens where instantaneous type cannot provide an adequate supply.
- vii) Water heater must be sized to fit through a three-foot doorway.
- viii) Gas fired water heating is preferred. Instantaneous shall only be used with approval from District.
- ix) Water heaters shall be certified by the California Energy Commission and meet the requirements of Title 24, and if gas fired, the requirements of the South Coast Air Quality Management District Rules 1121 and 1146.2.
- x) Provide a water temperature maintenance system or other strategy designed to eliminate wait times for hot water, which contributes to water conservation efforts. A recirculation system with pump and aquastat is required.

6. Fixtures

- a) Fixtures must comply with State water conservation guidelines and efficiency standards in effect.
- b) Comply with California and Federal accessibility standards and lead free standards.
- c) Water Closets:
 - i) Water closets shall be high efficiency (HET) type with compatible, manual flush valve. Floor mounted, vitreous china with siphon jet action elongated bowl with open front seat, in both ADA and non-ADA compliant configurations as applicable.
- d) Urinals:
 - i) Urinals shall be 0.5 gpm high efficiency (HEU) type with compatible manual flush valve. Wall mounted, vitreous china with top spud flush valve, in both accessible and non-accessible configurations.
 - ii) Use brass nipples for dirt arms.
- e) Lavatories:
 - i) General student restroom lavatories shall be wall mount vitreous china with push button metering faucet and floor supported concealed arm brackets.

- ii) Food Service restroom lavatories and hand wash sinks within food service spaces shall be provided where required to meet health department requirements.
- iii) Multiple-user Staff restroom lavatories shall be self-rimming vitreous china oval with lever handle mixing faucet.
- iv) Single-user Staff restroom lavatories shall be wall mount vitreous china with lever handle mixing faucet and floor supported concealed arm brackets.
- f) Sinks:
 - i) Countertop sinks (classrooms, staff rooms, etc.) shall be self-rimming stainless steel single bowl type unless noted otherwise. Minimum 18 gauge stainless steel..
 - ii) Sinks shall have lever handle, gooseneck faucets unless noted otherwise.
 - iii) Staff counter sinks shall be accessible, stainless steel, single bowl, with lever handle mixing faucet and swing spout or gooseneck faucet.
 - iv) Kitchen, Break Room or pantry sinks shall have a 3/4 horse-power garbage disposal.
 - v) Sinks used for special programs such as art and ceramics, agricultural and other uses that may involve large particulates, shall be equipped with solids interceptors. Hair traps shall be provided in sinks used for programs involving hair cutting or styling. Special purpose sinks may be stainless steel as they are available in more sizes and configurations.
 - vi) Science room sinks shall be under-counter, corrosion resistant resin type.
 - vii) Staff science room sinks shall be single bowl, with serrated hose nozzle gooseneck faucet and integral vacuum breaker.
 - (1) Student science room sinks shall be single bowl cold water, with serrated hose nozzle gooseneck faucet and integral vacuum breaker.
 - viii) Service Sinks (floor sinks) shall be corner floor mount enameled cast iron (acid resistant coated interior) or terrazzo type, with aluminum dome bottom strainer, 1/2" grate nickel bronze top, lever handle faucet with integral stops and vacuum breaker, pail hook, hose and vinyl rim guard.
- g) Emergency Fixtures:
 - i) Where required to meet the intent of the code (CCR, Title 8, Section 5162), and elsewhere as directed by the District, provide emergency combination drench showers and eyewash stations. Provide drainage as required to reduce water damage on accidental discharge and alarm actuated from flow switch to tie to EMS system or local alarm as directed by District. Prove tempering system as required to meet ANSI standards.

- ii) Emergency eyewash shall be made of ABS colored plastic and be countertop swing-away type.
- h) Floor Drains:
 - i) Floor drains shall be Duco coated cast-iron body with adjustable nickel bronze strainer.
 - ii) General purpose floor drains shall be square strainer type for tiled areas, round strainer type for poured surface areas, with trap seal primer connections.
 - iii) Shower floor drains shall be square strainer type for tiled areas, round strainer type for poured surface areas.
 - iv) Emergency drench shower or eyewash floor drains shall be square strainer type for tiled areas, round strainer type for poured surface areas, minimum 4-inch outlet size with trap seal primer connections.
 - v) Floor drains not receiving regular discharge from a plumbing fixture, or as otherwise required by code, shall be provided with an automatic trap priming system.
 - vi) Provide floor drains in all toilet rooms, custodial closets, mechanical rooms, shower rooms, laundry areas, and adjacent non-carpeted drying areas. Where more than more than 4 water closets or urinals are provided, two drains shall be used.
- i) Showers:
 - i) Showers shall be stainless steel showerhead (2.2 gpm) chrome plated shower arm, and chrome plated escutcheon. Provide pressure balanced thermostatic mixing valve and floor drain with chrome plated strainer.
 - ii) Provide showerhead on flexible hose and slide bar for special education facilities and other accessible showers.
- j) Drinking Fountains:
 - i) Wall mounted: shall be dual height 14 gauge stainless steel non-refrigerated type.
 - ii) Exterior: exposed aggregate reinforced concrete pedestal type. Do not locate where reclaimed irrigation water may spray the drinking fountain.
 - iii) Do not provide drinking fountains at Gymnasium floor areas.
 - iv) Provide water hammer arrestors at drinking fountains.

- k) Roof and Overflow Drains:
 - i) Roof Drains: Cast-iron drains with flashing collar and cast-iron dome. Furnish extension for insulated roofs. Use under-deck clamp for all but poured-in-place concrete installations. Provide flashing.
 - ii) Overflow Roof Drains: Cast-iron drains with flashing collar, cast-iron dome and 2" high water dam. The top of the dam shall be at least 2" above the adjacent finished roof surface. Furnish extension for insulated roofs. Use under-deck clamp for all but poured-in-place concrete installations. Provide flashing.
- l) Trap Primers
 - i) Cast bronze with shut-off valve and union before connection. Provide 14" x 14" access panel.
- m) Cleanouts
 - i) Floor cleanouts (concrete and tile floors) – Duco coated cast-iron with round adjustable scoriated secured nickel bronze top. Secure plate with countersunk head. Bronze plug and spigot outlet.
 - ii) Wall cleanouts – Cast iron branch cleanout tee with flanged bronze plug and polished stainless steel cover plate with center, countersunk head securing screws.
 - iii) Grade cleanouts –
 - (1) Finished concrete areas – Duco coated cast-iron with round adjustable scoriated secured nickel bronze top. Secure plate with countersunk head. Bronze plug and spigot outlet.
 - (2) Soil, grass, asphalt and other exterior areas - Duco coated cast-iron. Bronze plug and spigot outlet. Provide precast vault with heavy-duty cast-iron cover. Cover shall state "SEWER". The vault shall be large enough to allow tools to be used to remove the plug.
- n) Hose Bibs
 - i) Interior Hose Bibs shall be standard wall flange type with vacuum breaker and loose key operation. Install at 24" a.f.f. unless otherwise noted. Provide in the following locations:
 - (1) Multiple-user Restrooms: under lavatory, one per restroom. Chrome plated.
 - (2) Locker Rooms: accessible for use throughout entire locker area.
 - (3) Custodial Rooms: above service sink to accommodate cleaning product dispenser system.

- ii) Exterior hose bibs shall be recessed lockable box type with integral vacuum breaker. Hose bibs shall be located not more than 100 feet apart.
- iii) Exterior rooftop hose bibs shall be loose key free standing type with rough chrome finish and integral vacuum breaker. Provide adjacent to mechanical cooling equipment, not to exceed 50-foot radius.
- o) Miscellaneous Fixtures:
 - i) Provide IPS inlet angle stops (loose-key, lockshield) and one-piece, braided polymer supply tubing for water supplies to faucets.
 - ii) Water line nipples shall be brass. No galvanized or black steel.
 - iii) Gas turrets shall be provided adjacent to student and staff science sinks and shall have a check valve and vandal resistant anchor.
 - iv) Science room gas outlets shall be controlled via a remote solenoid valve located above ceiling at gas point of entry to classroom. A control station shall be provided at the teacher's demonstration table to allow emergency shut off and lockout of the remote solenoid valve. The control station is to remain visible and not hidden in demonstration table cabinets. The valve shall be normally closed.
 - v) Refrigerator icemaker locations shall be provided with wall mount recessed box type cold water supplies.
 - vi) Clothes washer locations shall be provided with wall mount recess box type supply and drain with integral water hammer arrestors.
 - vii) Coordinate dryer vents for dryer locations.
 - viii) P-traps shall be minimum 17 gauge chrome plated brass, adjustable with cleanout plug, installed with chrome plated escutcheon with set screw. Provide chrome plated slip nuts. No die-cast metal allowed.
 - (1) ADA trap and supply covers shall be provided where required.
 - (2) Incorporate water hammer arrestors where quick closing valves are incorporated such as flush valves.
 - ix) Water Pressure Reducing Valves:
 - (1) Provide a separate stainless steel strainer for each valve.
 - (2) Connections shall be threaded.
 - (3) Set pressure to 80 psi.
 - (4) Provide precast concrete yard box if valves are below grade.

- x) Water Hammer Arresters – Stainless steel completely sealed. Install on cold water lines in an upright position. Provide 14" x 14" access panel.

7. HVAC System Plumbing Connections

- a) Provide gas shut-off cock at each gas fed unit. Use galvanized pipe (no black iron) and include a dirt leg prior to the flexible connection line. Prime and paint to match existing surfaces; paint white on roofs.
- b) Condensate lines shall be copper and shall drain by gravity. Provide two unions and a threaded cleanout cap. Prime and paint red.
- c) Provide condensate trap at each mechanical cooling unit. Condensate piping shall discharge to a roof receptor, floor sink, or service sinks with an air gap termination (no indirect waste trap connections).
- d) Overflow condensate shall terminate through ceiling with a polished chrome escutcheon centered above a sink or other fixture such that an overflow condition will not cause damage to floors or other surfaces.
- e) Provide backflow preventer at each makeup water connection.
- f) Interior, RP backflow preventers shall be equipped with indirect drain piped to nearest floor drain or floor sink.
- g) All roof penetrations shall use lead roof jack flashing for a weatherproof installation.
- h) Durablocks must be used for all pipe supports.

FIRE PROTECTION STANDARDS

1. General:

- a) Fire sprinkler design must be included in the construction documents. DSA no longer accepts deferred approvals.
- b) Provide specialized fire suppression systems in kitchens (such as for grease hoods).

2. Sprinkler Heads:

- a) At exposed open ceilings provide upward or downward heads as best to accommodate requirements.
- b) At exterior locations use exterior-rated heads.
- c) Concealed heads with covers at finished ceilings may be considered for aesthetic reasons with approval from the District Representative.

ELECTRICAL STANDARDS

1. Campus Site Service

- a) Confirm whether the existing electrical service is adequate to service the proposed new or modernized building(s). Incorporate findings into the Field Report due at the end of the Schematic Design phase and update as necessary in subsequent submittals. If upgraded service is required, the following items apply:
 - i) Site primary service design and location must be coordinated with and approved by the local utility company. Obtain written approval from the utility provider, incorporate requirements into the bid documents, and confirm availability of design voltage and phase.
 - ii) Obtain approval of electrical service location from the District Representative prior to final system design. Service conductors shall be routed to avoid pathway and common areas.
 - iii) Locate switchgear and transformer away from classroom areas in a fully secure utility yard with concrete housekeeping pad. Coordinate the location with the existing service to minimize down-time at switch over. Obtain approval of proposed location prior to proceeding with construction documents.
 - iv) Specify a minimum of a 2,000-Amp service. Increase size of service if necessary to accommodate design loads plus future loads of master planned additions or for the addition of 12 portable classrooms if no additions are planned.
 - v) All primary feeds to have a red concrete slurry cap. Coordinate specific requirements with SDG&E.
- b) Confirm whether the existing phone, data, and cable service is adequate to service the proposed new building(s). Incorporate findings into the Field Report due at the end of the Schematic Design phase and update as necessary in subsequent submittals. If upgraded service is required, the following items apply:
 - i) Site primary service design and location must be coordinated with and approved by District Technology Representative. Coordinate with utility provider, walk the site with the utility provider and incorporate requirements of pathway from local feed to major point of entry at the MDF Room.
 - ii) Obtain a quote from the local utility provider for the cost of work associated with new utility service. Coordinate with District Technology Representative.
- c) Provide vandal resistant, locking lids at all underground electrical boxes.

2. Electrical Distribution

- a) Primary feeder underground electrical conduits shall be concrete encased to 3 inches above conduit. Backfill with native soil and provide red metallic warning tape 12 inches below grade.
- b) Electrical duct-banks shall be installed with spacer racks to provide 3-inch separation of conduits.
- c) Step-down transformers to be located at individual buildings for 480/277 volts or higher distribution systems. Recommend energy efficient transformers. Transformers and feeder conductors shall be located away from classroom areas.
- d) Include spare conduits with pull ropes in conduit duct banks. The number, size and termination points of the spare conduits need to be determined specifically for each campus layout; on existing campuses provide a minimum of two 2-inch spare conduits in new underground trenches. Meet with the District Representative prior to finalizing the DSA submittal set to determine the specifics.
- e) All spare conduit to be capped or plugged.
- f) Surface mounted raceway is not permitted without permission of the District. Conceal cable sleeves and pathway in wall whenever possible.
- g) Limit the use of flex conduit. If flex conduit must be used, limit the length to six feet in concealed spaces such as walls.
- h) Specify necessary conduits to service future campus additions.
- i) Locate panels in dedicated electrical closets. Specify surface-mounted panels with skirts. On modernization projects (or other projects that require additional power) exterior panels area acceptable if located away from areas of student congregation. An accessible path of travel is not required per DSA.
- j) Specify copper for transformers, switchboards and panel boards.
- k) Design electrical circuits to service no more than five, non-computer, duplex receptacles on one circuit. Circuits servicing computers shall be limited to no more than three duplex receptacles.
- l) Main Distribution Frames (MDFs) and Intermediate Distribution Frames (IDFs) require a dedicated 20 AMP circuit at each rack and wall mounted head end equipment enclosure. Where an Uninterruptible Power Supply (UPS) is required, provide an additional dedicated circuit for each UPS system sized per system (i.e.: 20 amp, 30 amp).
- m) Specify dedicated power to fire alarm system, telecommunication system, copiers, digital video surveillance system, and other specialty equipment.

3. Power Receptacles

- a) Floor mounted receptacles, of any sort, are not allowed except in specific circumstances such as under conference room tables, on stages, and gymnasiums. Obtain approval of the District Representative for locations.
- b) Computer receptacles are to be identified and to have isolated ground. No shared neutrals are permitted for computer receptacles.
- c) Shared neutrals are permitted for non-computer receptacles up to 60 percent of capacity.
- d) In toilet rooms, provide GFI service receptacle by the door at 24 inches above finish floor with locking cover and water seal to service cleaning equipment.
- e) In areas designated for vending machine, provide receptacle at six feet (6') above finished floor.
- f) Coordinate location and receptacle requirements for office equipment such as copiers, scanners, laminators, etc.
- g) Provide power receptacles adjacent to all data outlets.
- h) Provide an electrical receptacle below all light switches near main entry door.
- i) Provide power receptacles above all casework countertops, minimum one duplex receptacle per 36" of counter length. Provide power with GFCI receptacles at countertops with sinks.
- j) Provide an electrical receptacle for Maintenance to plug in their mobile trailer.
- k) Provide power with GFCI receptacles at each field and batting cage for pitching machines.
- l) At auditorium, lecture hall, or performing arts centers with fixed seating, provide power and data service package incorporated into seat if required.

4. Batteries

- a) The use of lead acid batteries should be minimized. In no case are lead acid batteries allowed in equipment storage rooms.
- b) Uninterrupted Power Supplies (UPS) must be in accessible locations allowing the UPS systems to be easily replaced.

5. Surge Protection

- a) Specify integrated TVSS in the main switchgear panel to protect system from external surges.

6. Grounding

- a) Specify separate ground conductors for equipment grounding in feeder and branch circuits including lighting circuits. Specify separate neutral conductor from electronic equipment. Specify grounding conductors in conduit or raceways. Use of raceway as ground is not permitted.
- b) Metallic objects on the Project site that enclose electrical conductors, or that are likely to be energized by electrical currents, shall be effectively grounded.
- c) Metal equipment parts, such as enclosures, raceways, and equipment grounding conductors, and earth grounding electrodes shall be solidly joined together into a continuous electrically conductive system.
- d) Metallic systems shall be effectively bonded to the main grounding electrode system.
- e) A separately derived AC source shall be grounded to the equipment grounding conductor, and to separate "made" electrode of building grounding electrode system.
- f) Electrical continuity to ground metal raceways and enclosures, isolated from equipment ground by installation of non-metallic conduit or fittings, shall be provided by a green insulated grounding conductor of required size within each raceway connected to isolated metallic raceways, or enclosures at each end. Building structural steel shall be part of the grounding electrode system.
- g) Cold water, or other utility piping systems, shall not be utilized as grounding electrodes due to the installation of insulating couplings and non-metallic pipe in such installations. In addition to bonding to cold water pipe provide at least one of the following made grounding electrodes:
 - i) A dedicated "made" electrode, fabricated of at least twenty-feet of galvanized ½-inch diameter rebar encased by at least 2 inches of concrete, and placed next to the bottom of a concrete foundation, or footing in direct contact with earth. A welded extended portion shall surface at the location of the common grounding electrode bus bar and be extended by a 3/0 CAD welded bare copper cable, or be CAD welded directly to the bus. The CAD weld shall be at least 4 inches above finished floor in a dry location. The main grounding electrode and associated grounding conductors shall be in an enclosure and in conduit.
 - ii) Grounding electrodes: Concrete enclosed electrode, fabricated of at least twenty-feet of No. 3/0 AWG, minimum size, bare copper conductor, encased by at least 2 inches of concrete, located within or near bottom of a concrete foundation, or footing, which is in direct contact with earth. Footing rebar shall be connected to copper wire with approved connectors. An external electrode, as specified hereafter or as required by the CEC, shall be installed and connected to foundation or footing rebar.
- h) Non-current carrying metal parts of high-voltage equipment enclosures, signal and power conduits, switchboard and panel board enclosures, motor frames, equipment cabinets, and

metal frames of buildings shall be permanently and effectively grounded. Provide a CEC sized grounding conductor in every raceway.

- i) Metallic or semi-conducting shields and lead sheaths of cables operating at high voltage shall be permanently and effectively grounded at each splice and termination.
- j) Neutral of service conductors shall be grounded as follows:
 - i) Neutral shall be grounded at only one point within the Project site for that particular service. Preferable location of grounding point shall be at the service switchboard, or main switch.
 - ii) Equipment and conduit grounding conductors shall be bonded to that grounding point.
 - iii) If other buildings or structures on the Project site are served from a switchboard or panel board in another building, power supply is classified as a feeder and not as a service.
 - iv) Equipment grounding conductor is installed from switchboard to each individual building. At building, grounding conductor is bonded with power equipment enclosures, metal frames of building, etcetera, to "made" electrode for that building.
 - v) Feeder neutrals shall be bonded at service entrance point only, neutrals of separately derived systems shall be bonded at the source only.
- k) If there is a distribution transformer at a building the secondary neutral conductor shall be grounded to "made" electrode serving the building.
- l) Within every building, the main switchboard or panel board shall be bonded to the cold water line. Metallic piping systems such as gas, fire sprinkler, or other systems shall be bonded to the cold water line.

7. Lighting

- a) Lighting shall exceed Title 24 requirements for energy efficiency based on watts per square foot. Comply with CHPS recommended guidelines.
- b) Provide District with copies of lighting calculations indicating anticipated lighting levels and watts per square foot. Coordinate colors of finishes with Architect for reflective values.
- c) Specify LED light fixtures for all applications. Submit proposed fixtures that meet the following general requirements:
 - i) Must bear UL label.
 - ii) Must be readily available from major local wholesale houses.
 - iii) Must have replaceable diode banks and easily accessible drivers.

- iv) Kelvin temperature to be 4,000K.
- v) 50,000-hour minimum lifetime.
- vi) Must have 10-year warranty.
- vii) Must be appropriately selected for intended application; custom or modified light fixtures are not acceptable.
- d) Where possible, design suspended fixtures to allow an unobstructed swing of 45 degrees in any direction to avoid the need for seismic bracing.
- e) Do not specify "tamper proof" fasteners for interior light fixtures.
- f) Light fixtures shall be located in a manner that accommodates ease of maintenance.
- g) Controls:
 - i) Submit proposed controls for LED fixtures that meet the following general requirements:
 - (1) Specify dual-sensing occupancy sensors.
 - (2) Photocell controlled.
 - (3) Dimmable for day light harvesting
 - (4) Do not specify any loose remote controls
 - ii) Locate all light switches near main entry door.
 - iii) Specify multi-level switching in spaces. In areas with day-lighting, specify separate, remote switch to control bank of lights adjacent to daylight source. In other areas switch lamps within fixtures individually to allow light level control. Review switch locations with designated District Representative prior to finalizing plans.
 - iv) Specify keyed switches in gyms, multi-purpose, cafeterias, hallways and auditoriums.
 - v) Provide keyed light switches with dual sensor motion detectors in student restrooms.
 - vi) Exterior lighting to be coordinated with and controlled by photocell input and linked to the EMS system. This includes site lighting as well as light fixtures attached to building exteriors. Coordinate exterior lighting control panel with EMS manufacturer's requirements.
 - vii) Specify lighting control panels with dimmers for theatrical and specialty event lighting in assembly areas.
- h) Exterior Lighting:
 - i) Exterior lighting shall be heavy-duty and vandal-resistant per District standard light fixture schedule.

- ii) Minimize use of pole lights where possible.
- iii) Provide general lighting of entire exterior of building compound, primary walkways and parking lots. Design exterior lighting system to achieve a minimum maintained 1.5-foot candle. Provide photometric study to show compliance.
- iv) Exterior lighting to be designed to minimize light pollution and avoid overspill to adjacent properties. Specify full cut-off fixture with the use of house side shields.
- v) Determine the CHPS points to be obtained through lighting.
- vi) Design is to be reviewed and approved prior to finalizing.
- i) Emergency Lighting:
 - i) Self-powered battery type with integral solid-state automatic charger and self-contained power pack.
 - ii) Sealed, maintenance-free, nickel-cadmium batteries.
 - iii) Provide wire guards in locker rooms, multi-purpose rooms, gyms and vandal-prone areas.
 - iv) Exit Signage: Coordinate faceplate color to match adjacent wall color. Secure with tamper-resistant fasteners.
 - v) Exit signs shall be LED type with vandal-resistant system with polycarbonate shields or wire guards.

8. HVAC System Electrical Connections

- a) Provide convenience outlets at each HVAC unit. Outlets integral to the unit are acceptable if powered by a separate circuit, adequately labeled as energized even when unit is off, and code compliant.
- b) Label all disconnects and convenience outlets with electrical panel, circuit number and room number(s).
- c) All disconnects should be mounted on the units.
- d) All electrical panels and feeders should not be loaded above 60%.
- e) Where underground feeders and conduits are installed, they install additional conduit for future use.
- f) Exterior flexible conduit connections must have enough slack to allow a drip loop.

9. General Technology and Low Voltage System Requirements

- a) Design a fully functioning system(s) according to the provided specifications.
- b) Technology equipment is to have dedicated power.
- c) Provide drawing submittals to the District Representative at each phase submittal indicating the required scope and proposed pathways for District review and comment. Proposed device layouts shall be indicated on drawings at the beginning of the Construction Document Phase.
- d) The Design Professionals are responsible for the coordination, finalization and incorporation of the design for the backbone/infrastructure pathway to accommodate the cabling and installation of devices/receptacles for telephone/voice, data, digital intercom/clock and bell, intrusion, video monitoring (CCTV), video distribution (CATV), classroom AV (including voice amplification), large assembly areas AV and any other systems required for the project.
- e) Attend coordination meetings with the designated District Representative and District's technology representative.
- f) At the beginning of the design phase the District will determine if the cabling and components associated with the Structured Cabling System and Data Communications Active Infrastructure will be specified under a separate E- Rate contract for installation only.
- g) Where vending machines are located provide duplex data outlets at 6-feet above finish floor. If located at exterior, provide weather proof duplex data outlets.
- h) All data outlets to be a minimum of duplex data outlet, unless noted otherwise.

10. Intrusion Detection System

- a) Do not specify any door contacts.
- b) Coordinate keypad locations with District Representative.
- c) Provide dual technology motion detectors.
- d) Head end equipment shall be located in the MDF.

11. Digital Video Surveillance System (CCTV)

- a) Camera locations must be confirmed with District Representative and Bosch Representative.
- b) It is not the intent to cover the entire campus only the areas of concern.

- c) Provide a storage array system at the headend; analog not acceptable.
- d) Provide headend equipment in the MDF room.
- e) Provide an auto shut down sequence.
- f) Drawings must have a camera schedule that indicates the following: camera model number, part number, mounting type, required accessories, power requirements, licensing and software options.

12. Cable Television System

- a) Provide two-inch conduit from TV distribution room to MDF.
- b) Headend equipment shall be located in the MDF room.
- c) Provide adequate space in MDF room for full size seven-foot rack.

13. Digital Intercom and Bell System

- a) Show all Remote Addressable Units (RAU) ("terminal cabinet"), clock and speak locations.
- b) RAUs shall be located in IDF room. RAUs shall have (1) 120V quad receptacle located inside of cabinet.
- c) Provide at least one panic call button ("lockdown button") and locate in the Administration. Coordinate exact location with District Representative.
- d) Provide interface with telephone system for All Call capabilities.
- e) Provide page interface with AV equipment.
- f) Head end equipment shall be located in the MDF room. Provide enough space for full size 7-foot rack.
- g) The Head end equipment shall have one (1) 120V dedicated quad receptacle.
- h) Provide at least one speaker unit in all spaces except the following:
 - i) Restrooms
 - ii) MDF/IDF Rooms
 - iii) Utility Rooms
 - iv) Storage Rooms
- i) Provide speakers in corridors and hallways.
- j) Speaker zoning:
 - i) Each classroom shall be considered one zone.

- ii) Each outside horn shall be considered one zone.
- iii) Each grade level shall be considered one zone.
- iv) Corridors may be on one zone.

14. Voice Communications System

- a) Voice Communication VoIP Phone systems shall use data cabling.
- b) Consult with the IT department if modernization projects will be affecting existing standard communication systems.be CAT6 cabling.

15. Audio Visual System

- a) All projectors, projection screens, etc., shall be Contractor Furnished Contractor Installed.
- b) Provide a minimum of two (2) recessed speakers per classroom.
- c) Provide quad power receptacle at ceiling adjacent to data outlets for projector.

16. Data Communications Active Infrastructure

- a) Use Cat 6a for all cabling unless fiber-optic cable is required.
- b) Provide HDMI connection on the teaching wall with power (At Standard Classrooms and Computer Labs) with a Capable Mount for a 70" Monitor/Display Panel.
- c) Standard Classroom wiring:
 - i) 8 drops for student/classroom use (1 quad on 2 walls),
 - ii) 4 drops (1 quad) at the teacher's station,
 - iii) 2 WAP drops on the ceiling,
 - iv) 2 drops on the teaching wall for connection to Screanbeam projection devices.
 - v) 1 Cat6 Telephone Drop/Plate at 48" by the exit door or next to the teaching wall (Whichever is most accessible).
- d) Computer lab wiring:
 - i) 40 drops (For computers)
 - ii) 4 drops (1 quad) at the teacher's station
 - iii) 2 WAP drops on the ceiling
 - iv) 2 drops on the teaching wall for connection to Screanbeam projection devices.

- v) 1 Cat6 Telephone Drop/Plate at 48" by the exit door or next to the teaching wall (Whichever is most accessible).
- e) Standard Science Lab wiring:
 - i) 12 drops for student/classroom use (1 quad on 3 walls with counters / Tackable Wet Surface areas), with power outlet(s) nearby
 - ii) 4 drops (1 quad) at the teacher's station,
 - iii) 2 WAP drops on the ceiling,
 - iv) 2 drops on the teaching wall for connection to Screenbeam projection devices.
 - v) 1 Cat6 Telephone Drop/Plate at 48" by the exit door or next to the teaching wall (Whichever is most accessible).
 - vi) Wall Capable Mounts for a 50" Monitor/Display Panels on the remaining 3 walls (In addition to the 70" Mount on the teaching wall).
- f) Provide data outlet for Wireless Access Points throughout the entire campus including, but not limited to, Library, MPR, Gym, Administration, exterior roll call area for PE, fields, stadiums, interior and exterior access for Point of Sale system, and all classrooms.
- g) In rooms with thirteen-foot ceiling heights or more, mount the WAP on the wall at ten feet above finish floor.
- h) Provide rack elevations, single line diagram, and switch port counts for the MDF and each IDF, for District review and approval. All quantities must be indicated in the rack elevations.
- i) IDF Configuration(s) will be:
 - i) CPI Freestanding 2 post racks
 - ii) Cat6 24 & 48 port patch panels
 - iii) Minimum 12 strand Single-mode fiber optic cable (Terminated on Fiber Patch Panel) "Home-Run" to the site's MDF
 - iv) Minimum 25 pair copper multi strand cable "Home Run" to the site's MDF (For existing telephone system , alarms, faxes) and terminated on a separate 48 port patch panel
 - v) 100% port count patch cables to be included (Fiber optic single-mode & Cat6).
 - vi) 100% port count provision network hardware-Cisco Switch(es) to be included.
- j) Provide UPS system at each IDF/MDF. Each UPS must be remotely monitored.
- k) Provide redundant power supplies at each IDF/MDF.

- l) Provide rack mounted KVM (keyboard video monitor).

17. Assistive Listening System

- a) Provide connection to room speakers.
- b) Coordinate antenna frequency with Autonomous Sound System / AV System in Multi-Purpose Room / Lecture Hall / Auditorium.

18. Book Theft – Protection Equipment System

- a) Provide a book detection system at all Media Centers/Libraries.
- b) The Media Center book drop is not part of the book detection system.
- c) Provide buried cable system in lieu of surface mounted cable between detection isles.
- d) Provide minimum 1¼-inch non-metallic conduit connection from first aisle to second aisle, then stub down and up to second aisle.
- e) Indicate location of surface mounted control box on drawings. Surface mounted control box must have the following:
 - i) Location that is serviceable and accessible.
 - ii) Box cover with louvers for ventilation
 - iii) An electrical convenience receptacle on wall adjacent to control box for connecting system power supply box.
- f) Provide audio and visual alarm.
- g) Maintain a proper distance between the Detection system and large metal objects. The minimum distances from a Detection System Panel to a wall using metal studs and metal windows, doors, walls, cabinets, shelves, pipes, counter edges, display cases wastebaskets, and furniture is 18 inches.
- h) Locate the electronic enclosure within 10 feet of a power receptacle.
- i) The allowable distance between the electronics enclosure and a detection panel is 4 feet minimum; 21 feet maximum.
- j) Maintain a minimum of 7 feet from the Detection System to a CRT (computer) display.
- k) Avoid positioning the Detection System within 5 feet of power panels, data cables, and large conduits.
- l) Provide a 4-foot clear space between the system panels and any door.
- m) Locate the system to allow good observation/supervision of the system by the circulation desk staff.

- n) Books and other secured items must be stored at least 3 feet from the Detection System.
- o) Power requirements for the entire system are computer based devices that require high quality, sure and noise free electrical power for optimum performance.
- p) Single phase power is required. The system is supplied with a 16 gauge, 3- wire, S-rating 10-foot long NEMA 5-15 plug.
- q) Provide in-counter book demagnetization system flush with casework.
- r) Maintain clearances from structural steel that could interfere with the detection system.

19. Specific Room Requirements

- a) Multi-Purpose / Lecture Hall / Auditorium:
 - i) Provide an AV System with projection and an electric projection screen.
 - i) Provide a fully enclosed lockable IDF cabinet, adjacent to AV rack, and at or near the stage area.
 - ii) Provide data outlets for each register Point of Sale (POS) system at ticket booths.
 - iii) If the MPR is utilized for food services, provide data outlets for each register Point of Sale (POS) system; one homerun data to kitchen office POS system and one homerun data to nearest IDF.
 - iv) If there are ticket sale booths or snack bars, provide data outlets for each register POS system.
- b) Gymnasium:
 - i) Provide multi-sport scoreboard with remote controllers. Provide two shot clocks for basketball. Provide two score boards for high school. Provide one for middle school unless a single score board is not visible from all portions of the gym.
 - ii) Provide autonomous multi-media sound system to accommodate athletic events with wireless microphones. This system is separate from the school wide intercom, clock, and bell system. No video, no projectors.
 - (1) Provide quad power receptacle at ceiling for speaker array.
 - (2) Aim autonomous sound speakers to cover all bleachers when fully extended.
 - iii) Provide minimum of two (one on either side of the main court) 10-inch by 12-inch by 4-inch floor boxes with microphone, data, scoreboard controls, speaker connections, and power.
 - iv) Provide one clock and speaker combo near the main entrance in the gym and one in the lobby. Provide additional speakers as necessary. Provide protective guard for clock.

- v) Provide data outlet for each register POS system at the snack bar.
- vi) Lighting Levels:
 - (1) Sporting Events: Average maintained 80-foot candles at the horizontal playing surface.
 - (2) Social Events: Average maintained 25-foot candles at the horizontal surface.
 - (3) Lockers: Minimum maintained 10-foot candles at the horizontal surface(s).
- c) Conference Rooms:
 - i) Audio Visual Systems
 - (1) Provide an AV System with ceiling mounted projection and a wall or ceiling mounted manual projection screen.
 - (2) Provide infrared voice amplification receiver in ceiling.
 - (a) If ceilings are thirteen feet or more provide a Radio Frequency (RF) voice amplification system in lieu of the infrared voice amplification system.
 - (3) Provide a three gang back box with double gang reducing ring for the AV controller with volume control on face plate, (1¼-inch conduit) adjacent to the light switch.
 - ii) Provide at least one duplex data outlet on a wall.
 - iii) Provide a double gang floor box with quad power receptacle, duplex data outlet, VGA, and 3.5 mm jack below center of conference table.
 - iv) Lighting Level: Average maintained 50-foot candles at the horizontal work surface, with a minimum of 30-foot candles at any location.
- d) Classroom:
 - i) At the Teacher's Desk provide:
 - (1) Provide double gang box for phone, data, VGA, and 3.5 millimeter audio jack (1¼-inch conduit).
 - (2) Provide quad power receptacle adjacent to double gang box above.
 - (3) Provide three gang with double gang reducing ring for Media Link Controller (MLC) with volume control on face plate, (1¼-inch conduit) all located in same stud bay.
 - ii) In addition to the Teacher's desk power and data requirements, provide a minimum of one duplex data outlet on the same wall.

- iii) Locate combination clock and speaker unit opposite teaching wall at the back of the classroom.
- iv) Lighting Levels:
 - (1) Minimum maintained 5-foot candles at the vertical surface(s), including white boards.
 - (2) Average maintained 35- to 50-foot candles at the horizontal work surface, with a minimum of 25-foot candles at any point more than 3-feet from any wall.
- e) Computer Lab:
 - i) Provide duplex data outlets and duplex power receptacles on the back wall for large printers.
 - ii) Locate combination clock and speaker unit opposite teaching wall at the back of the classroom.
 - iii) Provide quad power receptacle and six data outlets at every computer bank location (maximum six computers per computer bank).
 - iv) Provide minimum of 9 circuits per computer classroom – one at each computer bank, one at printer area, one at teacher's desk, one for housekeeping purposes.
- f) Media Center (Library):
 - i) Provide one clock and speaker combo. Provide additional recessed ceiling mounted speakers as necessary.
 - ii) Provide data and power at the end of the stacks for catalog look up stations. Confirm number of locations with architectural.
 - iii) Provide data and power for the Online Public Access Catalog research stations. Confirm number and location with architectural.
 - iv) Walls with appropriate finishes may also be incorporated into the design in lieu of providing projection screens.
 - v) Provide infrared voice amplification receiver in ceiling.
 - vi) If ceilings are thirteen feet high or more provide a Radio Frequency (RF) voice amplification system in lieu of the infrared voice amplification system.
 - vii) Lighting Level: Average maintained 50-foot candles at the horizontal work surface, with a minimum of 30-foot candles at any location.
- g) 7. Administration/Reception/Lobby:
 - i) Provide wireless access (data and power at ceiling).

- ii) Provide surface mounted clock/speaker in all offices.
 - iii) Provide analog fax line, telephone line, and 911 phone line.
 - iv) Coordinate electrical receptacles and power requirements for copiers and printers.
 - v) Coordinate with architectural program and furniture layout to provide adequate power receptacles and data outlets at open administrative office areas. Provide a minimum of one duplex receptacle and one data outlet at each workstation.
 - vi) Lighting Level for Offices: Average maintained 50-foot candles at the horizontal work surface, with a minimum of 30-foot candles at any location.
- h) Textbook Storage Rooms:
- i) Provide duplex data outlet.
- i) Minimum Point of Entry (MPOE):
- i) MPOE must be located in the MDF room. b. MPOE shall include:
 - (1) CATV cabling.
 - (2) Telephone/Cable company copper and fiber.
- j) Main Distribution Frame (MDF) and Intermediate Distribution Frame (IDF) Rooms:
- i) The MDF and IDF rooms are dedicated only for Data, Fiber, CATV, Clock and Speaker, Telephone, Security and UPS backup.
 - ii) MDF Rooms:
 - (1) Place on the first floor and adjacent to the main electrical room.
 - (2) Provide a minimum of four open data full-racks with 3-foot clearance at the front and back of the rack and enough space for at least one additional future rack.
 - (3) Three data drops: two data at 18 inches above finish floor and one phone wall mounted at 48 inches above finish floor all located next to the door.
 - (4) Provide correct electrical receptacle for Uninterrupted Power Supply (UPS). The Trip Lite SU3000 and higher models require a 220-volt circuit.
 - (5) Provide a 20-Amp receptacle at 42 inches above finish floor for CATV, EMS, FACP, and Security.
 - iii) MDF and IDF Rooms:
 - (1) Wrap the room in ladder rack with access to the top of the racks at both north-south and east-west creating a cross ladder rack. Attach to top of data rack.
 - (2) Provide dual technology motion sensors for lights and two Emergency Lights.

- (3) Provide a quad power receptacle at 18 inches above finish floor centrally located on each wall.
- (4) Run conduit along bottom of ladder racking to top of each rack and mount quad 20 Amp dedicated box. Provide one ladder rack mounted quad receptacle above each cabinet and future cabinet.
- (5) Provide split system air conditioning with remote control, with condensate line with gravity feed. Mount unit above the door, to operate 24 hours a day.
- (6) Overhead service conduits are preferred. If underground conduits are utilized, conduits shall be in a single row and flush against the wall.
- (7) Provide a minimum of ten percent spare conduits.
- (8) Avoid sharing any walls of an MDF or IDF room with restrooms or where water is present.
- (9) Lighting Levels: Provide 40- to 50-foot candles at 12 inches above finish floor at front and back of rack.
- iv) IDF Rooms:
 - (1) Each building shall have at least one IDF and IDF's cannot be wall mounted cabinets.
 - (2) Stack IDF rooms if multi-level building and provide at least one IDF per floor.
 - (3) Two data racks with 3-foot clearance at the front and back of rack and enough spacing for at least one additional future rack.
 - (4) Provide a 20-Amp dedicated receptacle at 42 inches above finish floor for CATV.
- k) Kitchens:
 - i) Provide an additional data outlet in the Kitchen Manager's Office to connect with the Point Of Sale system.
 - ii) Lighting Levels:
 - (1) Kitchen/Food Preparation: Average maintained 70-foot candles at the horizontal surface(s).
 - (2) Dining: Average maintained 30-foot candles at the horizontal surface(s).
- l) Elevator:
 - i) Provide dedicated analog phone line to elevator cab.
- m) Restrooms:
 - i) Lighting Level: Minimum maintained 20-foot candles at the horizontal surface(s).

- n) Corridors:
 - i) Lighting Level: Minimum maintained 10-foot candles at the horizontal surface(s).

20. Fire Alarm System

- a) The District's preferred location for all horns and strobes is on the wall, in lieu of in the ceiling, opposite of the door.
- b) Do not size the fire alarm control panel for more than 15 percent over a school's total proposed fire alarm device capacity.
- c) Provide fire alarm control panels with a dedicated analog telephone line and an alternate transmission method per NFPA 72 code requirements.

INTERIM HOUSING STANDARDS

1. General Requirements

- a) Provide for interim housing for modernization projects that affect classrooms and other student use spaces that will displace teachers and students.
- b) The preferred solution for interim facilities is to use existing campus spaces. Coordinate with the District Representative, site principal (or designee) and the Planning and Construction Department.
- c) Develop phased interim housing plans for projects that require phased construction.
- d) Confirm with the District that the site does not have summer school or special summer functions.
- e) Interim housing shall include ramps, building/room signage, fire extinguisher, and white boards on front and rear walls.
- f) Coordinate moving F&E with the site.
- g) The general contractor shall perform any work excluded by the interim housing building supplier.
- h) Review site for any existing easements that may limit location of portables.

2. Interim Housing Building Installation

- a) Where no other accommodations are available, prepare plans for the installation of relocatable buildings.
- b) Relocatable buildings may be available from other school sites, confirm with the District. Verify that relocatable buildings taken from different sites have been closed with certification by DSA.
- c) Interim housing does not have to be located over asphalt.
- d) Provide that all utilities underground conduits, conductors, and vaults are to remain for potential future use.
- e) Provide restroom relocatable buildings when the existing restrooms will be modernized.

3. Interim Housing Removal

- a) Include requirements for removal of buildings at the end of construction.
- b) Require removal of fencing, gates, drywells, ramp extensions and utility lines. Utility lines shall be capped within utility boxes for future connections.

- c) Require restoration of the conditions that existed prior to the installation of interim housing including but not limited to:
 - i) Repair paving.
 - ii) Restore landscaping.
 - iii) Restore the irrigation system to its original extent.
 - iv) Restripe and repaint any affected parking lots or hardcourts.

4. Agency Approvals

- a) Request the DSA pre-approved, relocatable drawings for incorporation into the DSA site approval plans. The District will only use relocatable buildings with a current PC (DSA pre-approval) number.
- b) Submit interim housing for DSA review and approval.
- c) Coordinate the scope of work with the building mover and site contractor clearly indicating on the bid documents the scope of work and coordination requirements.
- d) Relocatable buildings are Type V-N buildings and must comply with the CBC requirements for this type of construction. The maximum number of 24-foot by 40-foot relocatable buildings less than twenty-feet apart is nine. Twenty-foot separation is required on all sides of the unit group.
- e) Obtain local fire jurisdiction acceptance of the proposed site plan prior to finalizing the construction documents. Local fire will require water flows at the fire hydrants. Request the fire flows, from the local water company, well in advance of submitting to the local fire jurisdiction.

SHADE SHELTERS AND PREFABRICATED UNIT STANDARDS

1. General Information

- a) The District will consider the use of pre-fabricated structures (e.g. shade structures, ticket booths, athletic equipment storage buildings, bleachers) with specific approval. Provide a cost analysis to the District Representative that show the pre-fabricated unit is more cost effective than a custom built unit for consideration.
- b) The structures must compliment the site and the design of the campus.
- c) Prepare a site plan showing the structure's locations. Site the structure using the site design standards.
 - i) Insure that the structure does not block drainage patterns on the site, and that primary drainage swales do not run through the structure.
 - ii) Insure that the structure has a path of travel to the primary access point of the campus and is fully accessible.
 - iii) Structures of any type must comply with the CBC for separation between building, exiting, access, and fire resistance. Provide a code analysis with each structure.
- d) Use metal roofed units or other roof types. Fabric roofs are not acceptable except for shade structures.
- e) Determine if the District will need water, lighting, power, data or other utilities at the structure.
- f) Coordinate the scope of work with the manufacturer and site contractor clearly indicating on the bid documents the scope of work and coordination requirements.

2. Shade Structures

- a) Provide a $\frac{3}{4}$ -inch water line and keyed hose bib at each shelter. Strap hose bib supply line to shelter column.
- b) Provide 4-inch thick concrete slabs below open shelters with control joints between each column. Drain slab to existing site drainage features.

3. Marquees

- a) The display board is to be double-sided (when viewable from two sides), full-color, and electronic. Single-sided marquees are acceptable if located appropriately. Wall-mounted displays are acceptable in new construction projects as part of the project construction contract.
- b) Locate the marquee front of the school viewable by students, staff, parents and passing traffic.

- c) The bottom of the display board must be at ten feet above grade.
- d) Overall size of the display board, not including the fixed sign cabinet, shall be a minimum of eight feet wide by three feet high.
- e) Provide column supports and reduce the surface area of the marquee base.
- f) Sign must not obstruct views of pedestrians or traffic on the streets, sidewalks, or driveways.
- g) Sign must be located for easy access by maintenance and repair crews.
- h) Divert irrigation spray away from the signage.
- i) Coordinate the colors of the marquee and its supports with building's colors or school colors and architectural style.
- j) City Approvals: Comply with the requirements of the city's (in which the sign is located) sign ordinances. However, a permit or city review is not required.
- k) Include the sign mounting system, structural calculations, electrical and low voltage requirements.
- l) Signs must be approved by DSA, unless the total height of a free-standing sign is below eight-feet tall. Where possible, utilize PC-approved marquee designs, however marquees should be incorporated with overall project scopes of work for new construction and major, campus-wide modernizations.

4. **Agency Approvals**

- a) Only use structures with a current PC (DSA pre-approval Plan Check) number. Submit complete construction documents, including calculations to DSA for the structure. The drawings should contain the DSA pre-approval number.
- b) DSA requires the structure's drawings for approval, and asks that they be listed in the set's index. Request the drawings from the manufacturer selected by the District.
- c) The manufacturer's drawings are required for approval. In most cases, the drawings offer options, typically regarding sizes and footing types. Using "X" lines, mark-out the options that are not used. Do not alter the manufacturer's drawings in any other way.
- d) Sign the manufacturer's drawings per the requirements of DSA IR A-18.
- e) Obtain local fire jurisdiction acceptance of the proposed site plan prior to finalizing the construction documents. Local fire may require water flows at the fire hydrants. Request the fire flows, from the local water company, well in advance of submitting to the local fire jurisdiction.

DESIGN AND CONSTRUCTION PROCESSES

1. Document Submittals

- a) Except for small projects, the Design Professional will submit documents for review at the following stages:
 - i) Schematic Design
 - ii) Design Development
 - iii) 50% Construction Documents
 - iv) 95% Construction Documents (DSA Submittal)
 - v) 100% Construction Documents (Bid documents)
- b) The drawings shall have a review signature block (see Appendix A for a sample)
- c) After completion of the project, the Design Professional or Contractor shall submit the following as-built drawings (record drawings):
 - i) One electronic (.pdf) file with all sheets.
 - ii) One set of electronic (.pdf) versions of each individual drawing sheet.
 - iii) One set of drawings in CAD format.

2. Temporary Construction Facilities

- a) Project Sign: For projects on a single site over \$1,000,000, provide a project sign during construction. Smaller or multiple site projects may require a project sign as directed by the Planning and Construction Department. See Appendix B.
- b) Construction Offices:
 - i) The typical construction office is a trailer with two offices (project inspector and contractor), conference room and single-occupant restroom.
 - ii) On modernization projects, offices for the project inspector and contractor may be in existing facilities if space is available.
 - iii) On small projects or multi-site projects, the project inspector may not require an office. In this case the contractor is responsible for providing their own field office.
- c) Sound Attenuation: On modernization projects, provide sound batting or other sound attenuation where construction noise is anticipated to impact classrooms.

ACRONYMS

ADA	Americans with Disabilities Act
AEIC	Association of Edison Illuminating Companies
AFCI	Arc-Fault Circuit Interrupter
A.F.F.	Above finished floor
AGM	Absorbed Glass Mat
ANSI	American National Standards Institute
ARI	Air-Conditioning and Refrigeration Institute,
ASHRAE	American Society of Heating Refrigerating and Air-Conditioning Engineers
ASTM	American Society for Testing and Materials
AV	Audio Video
AWG	American Wire Gauge
AWI	Architectural Woodwork Institute
AWWA	American Water Works Association
BIM	Building Information Modeling
CAB	Crushed Aggregate Base
CAD	Computer-aided Design
CAFM	Computer-aided Facility Management
CAL-EPA	California Environmental Protection Agency
CATV	Cable Television
CBC	California Building Code
CCTV	Closed Circuit Television
CD	Construction Documents
CDE	California Department of Education
CEC	California Energy Commission
CEQA	The California Environmental Quality Act
CFC	Chloro Fluro Carbon
CFCI	Contractor Furnished, Contractor Installed
CFM	Cubic Feet per Minute
CHPS	Collaborative for High Performance Schools
CMU	Concrete Masonry Unit
CPTED	Crime Prevention through Environmental Design
CRI	Color Rendering Index

CRR	Corrosion Resistance Ratio
DD	Design Development
DSA	Division of the State Architect
DTSC	Department of Toxic Substance Control
DVD	Digital Versatile Disc
DWR	Department of Water Resources
EIFS	Exterior Insulated Finish System EMS Energy Management System
EPA	Environmental Protection Agency
ET	Evapotranspiration
FACP	Fire Alarm Control Panel
FDC	Fire Department Connection
FDS	Facility Design Standards
FPM	Feet per Minute
FPS	Feet per Second
FRP	Fiberglass Reinforced Plastic
FSC	Forest Stewardship Council
GFEP	Ground-Fault Equipment Protection
GPM	Gallons per Minute
HCFC	Hydro Chloro Fluoro Carbon
HPI	High Performance Initiative
HVAC	Heating, Ventilation, & Air Conditioning
ICC-ES	International Code Council – Evaluation Service
ICEA	Insulated Cable Engineers Association
IDF	Intermediate Distribution Frames
IEEE	Institute of Electrical and Electronics Engineers
ISA	Industry Standard Architecture
KV	Kilovolt
LAN	Local Area Network
LCCA	Life-Cycle Cost Analysis
LED	Light-emitting Diode
MC	Metal Clad
MDF	Main Distribution Frame
MERV	Minimum Efficiency Reporting Value

MIS	Main Information System
MPOE	Minimum Point of Entry
NEMA	National Electrical Manufacturer Association
NFPA	National Fire Protection Association
OFCI	Owner Furnished Contractor Installed
OFOI	Owner Furnished Owner Installed
OPAC	Online Public Access Catalog
OPALS	Ogren Plant-Allergy Scale
OPSC	Office of Public School Construction
PA	Public Address
PC	Pre-Checked
PIR	Passive Infrared
PIV	Post Indicator Valve
POS	Point of Sale
PSF	Pounds per Square Foot
PSI	Pounds per Square Inch
PSIG	Pounds per Square Inch Gauge
PV	Photovoltaic
PV	Present Value (Product System & Material Analysis)
PVC	Polyvinyl Chloride
RAW	Remedial Action Work Plan
SBR	Styrene-Butadiene Rubber
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SCRC	Solid Color Reinforced Composite
SDI	Steel Door Institute
SMACNA	Sheet Metal and Air Conditioning Contractors' National Association
SSPC-SP	Society for Protective Coatings, Surface Preparation Standards
SQ. FT.	Square foot, square feet or square footage
SUHSD	Sweetwater Union High School District
SWPPP	Storm Water Prevention Pollution Plan
TCNA	Tile Council of North America
TEFC	Totally Enclosed Fan Cooled

THHN	Thermoplastic High Heat Resistant Nylon Coated
THWN	Thermoplastic Heat and Water Resistant Nylon
TVSS	Transient Voltage Surge Suppressor
UL	Underwriters Laboratory
UPS	Uninterrupted Power Supply
VAV	Variable Air Volume
VCR	Video Cassette Recorder
VOC	Volatile Organic Compound
WAN	Wide Area Network
WAP	Wireless access point
WDMA	Window and Door Manufacturer's Association
WPA	Wetlands Preservation Act

GLOSSARY

1. Americans with Disabilities Act: A federal law that gives civil rights protections to individuals with disabilities similar to those provided to individuals on the basis of race, color, sex, national origin, age, and religion. It guarantees equal opportunity for individuals with disabilities in public accommodations, employment, transportation, state and local government services, and telecommunications. Website: <http://www.ada.gov>
2. Architectural Woodwork Institute: The Architectural Woodwork Institute (AWI) is a nonprofit trade association founded in 1953. Today, AWI represents nearly 4000 members consisting of architectural woodworkers, suppliers, design professionals and students from around the world. Website: <http://www.awinet.org>
3. California Building Standards Commission: The state government entity to oversee the development of building standards and to publish the California Building Standards Code in Title 24 of the California Code of Regulations. The California Building Standards Commission operates under the authority established by Health and Safety Code, Division 13, Part 2.5, 3 known as the California Building Standards Law. The abbreviation CBSC or BSC is often used to identify the California Building Standards Commission. Website: <http://www.bsc.ca.gov>
4. California Department of Education: The department oversees funding and testing, and holds local educational agencies accountable for student achievement. Its stated mission is to provide leadership, assistance, oversight, and resources (via teaching and teaching material) so that every Californian has access to a good education. Website: <http://www.cde.ca.gov>
5. California Department of Water Resources: Manage the water resources of California in cooperation with other agencies, to benefit the State's people, and to protect, restore, and enhance the natural and human environments. Website: <http://www.water.ca.gov>
6. California Green Building Code: The document is the 11th of 12 parts of the official compilation and publication of the adoptions, amendments and repeal of regulations to California Code of Regulations, Title 24, also referred to as the California Building Standards Code. The Part that is known as the California Green Building Standards Code and it is intended that it shall also be known as the CALGreen Code. The California Building Standards Code is published in its entirety every three years by order of the California Legislature. The California Legislature delegated authority to various State agencies, boards, commissions and departments to create building regulations to implement the State's statutes. These building regulations or standards have the same force of law, and take effect 180 days after their publication unless otherwise stipulated. The California Building Standards Code applies to all occupancies in the State of California as annotated. Website: <http://codes.iccsafe.org/app/book/toc/2016/California/Green/index.html>
7. California Plumbing Code: Part 5, Title 24, California Code of Regulations. Website: <http://www.iapmo.org/Pages/2013CaliforniaPlumbingCode.aspx>

8. Collaborative for High Performance Schools Best Practice Manual: CHPS has developed technical resources for schools, districts and practitioners on the design, construction, maintenance and operations of high performance schools. Website: <http://www.chps.net>
9. Color Rendering Index: A quantitative measure of the ability of a light source to reproduce the colors of various objects faithfully in comparison with an ideal or natural light source.
10. Construction Documents: The documents, consisting of Drawings and Specifications, and other documents as defined in the Agreements, to be prepared and/or assembled by Architect to define the Work to be constructed as part of the Project.
11. Cool Roof Rating Council: An independent, non-profit organization that maintains a third-party rating system for radiative properties of roof surfacing materials. Website: <http://www.coolroofs.org>
12. Crime Prevention through Environmental Design: Crime Prevention Through Environmental Design (CPTED) theories contend that law enforcement officers, architects, city planners, landscape and interior designers, and resident volunteers can create a climate of safety in a community right from the start. CPTED's goal is to prevent crime by designing a physical environment that positively influences human behavior. The theory is based on four principles: natural access control, natural surveillance, territoriality, and maintenance. NCPC's course helps participants put the theories behind CPTED into action in their communities by designing a hands-on, interactive, two- or three- day basic or advanced training specifically tailored to their community's needs. Website: <http://www.cptedsecurity.com/index.htm>
13. Department of Toxic Substance Control: Is to protect California's people and environment from harmful effects of toxic substances by restoring contaminated properties, identifying and promoting safer ingredients in consumer products, and ensuring stewardship through enforcement, regulation and pollution prevention. Website: <http://www.dtsc.ca.gov>
14. Design Professional: A term to refer to architects; civil, structural, mechanical, electrical, plumbing, and heating, ventilating, and air conditioning engineers; interior designers; landscape architects; and others whose professional services require licensing or registration by the state, or otherwise require the knowledge and application of design principles appropriate to the problem at hand.
15. District Consultants: Those consultants retained by the District who will assist the District in carrying out the Project.
16. Division of the State Architect (DSA): "Division of the State Architect" is the California State agency responsible for checking construction documents for compliance with Title 24, California Code of Regulations, and monitoring compliance on the construction site. The Division of the State Architect also approves inspectors on all public school projects. Website: <http://www.dgs.ca.gov>

17. DSA Inspectors: Inspectors-of-record (IORs) are registered as Class I through Class IV. The projects which may be inspected by each type of inspector are on the DSA web page.
18. DSA Pre-Approval Number (DSA Pre-Check (PC) Approval Process): DSA PROCEDURE #07-01
The goal of the PC Approval Process is to streamline DSA plan review by providing a procedure for approving the design of commonly used structures prior to the submittal of plans to DSA for construction projects. The PC Approval Process allows designers to incorporate designs for structures that have already been “pre checked” by DSA into their plans for actual site specific construction projects. PC approval is one prerequisite for “Over-the-Counter” (OTC) review; see Policy PL 07-02 for additional OTC requirements. The purpose of this procedure is to describe the DSA requirements for the submission of the design of a building or structure for pre-check (PC) review and the procedures DSA uses to approve such PC designs.
19. Energy Management System: The control system that monitors the environment and energy usage in a building and alters equipment operation to conserve energy while providing occupant comfort.
20. Interim Housing: The intermediate period of housing assistance that covers the gap between sheltering and the return of disaster victims to permanent housing.
21. Office of Public School Construction: “Office of Public School Construction” is the California State agency responsible for apportionment, disbursement and monitoring of state provided school district capital improvement funds. Website: <http://www.dgs.opsc.gov>
22. Ogren Plant Allergy Scale: A scale that measures the allergy potential of all garden and landscape plants. The new trademarked scale is called OPALSTM, or Ogren Plant Allergy Scale. The scale uses a simple, easy-to-use 1 to 10 ranking system. The safest, least allergenic plants rank at 1, and the worst, most allergenic at 10.
23. Photovoltaic System: A system that uses one or more solar panels to convert sunlight into electricity. It consists of multiple components, including the photovoltaic modules, mechanical and electrical connections and mountings and means of regulating and/or modifying the electrical output.
24. Savings by Design from San Diego Gas & Electric: Savings by Design (SBD) is California’s nonresidential new construction energy efficiency program, administered statewide and funded by Utility customers through the Public Purpose Programs surcharge applied to gas and electric services. Website: <http://www.savingsbydesign.com/>
25. Site Committee: A group of site staff and other stakeholders, assembled by the District, to determine the needs of their individual campus.
26. San Diego Gas & Electric: Provides electric service to San Diego county. Website: <http://www.sdge.com/>

27. State AB1881: The Water Conservation in Landscaping Act of 2006 (Laird). This act requires, among other actions, that the California Department of Water Resources (DWR) report to the Legislature on the status of water efficient landscape ordinances adopted by local agencies.
28. Storm Water Prevention Pollution Plan (SWPPP): Is a fundamental requirement of storm water permits. A SWPPP identifies all potential sources of pollution, which may reasonably be expected to affect the quality of storm water discharges from the construction site; describes practices to be used to reduce pollutants in storm water discharges from the construction site; and helps assure compliance with the terms and conditions of the permit (when the plan is designed for the individual site, and is fully implemented)
29. The California Environmental Quality Act: CEQA, or the California Environmental Quality Act, is a statute that requires state and local agencies to identify the significant environmental impacts of their actions and to avoid or mitigate those impacts, if feasible. Website:
<http://ceres.ca.gov/ceqa/>
30. Title 24: The 24th title within the California Code of Regulations. Title 24 is reserved for state regulations that are building standards published by the California Building Standards Commission. Title 24 is given the name of California Building Standards Code by Health and Safety Code Section 18902. It is sometimes referred to as the State Building Standards Code.



APPENDIX A – SIGNATURE BLOCKS

The schematic design and design development drawings shall have a signature block to indicate review of the drawings by the site design committee (if applicable).

All sets of drawings shall have the following signature block:

SUHSD Internal Reviews		
_____	_____	<input type="checkbox"/> See comments <input type="checkbox"/> No comments
Planning and Construction	date	
_____	_____	<input type="checkbox"/> See comments <input type="checkbox"/> No comments
Maintenance	date	
_____	_____	<input type="checkbox"/> See comments <input type="checkbox"/> No comments
District Architect	date	
_____	_____	<input type="checkbox"/> See comments <input type="checkbox"/> No comments
IT	date	
_____	_____	<input type="checkbox"/> See comments <input type="checkbox"/> No comments
Nutrition Services	date	

APPENDIX B – CONSTRUCTION PROJECT SIGN

<div style="text-align: center;">  <p>SWEETWATER UNION HIGH SCHOOL DISTRICT</p> </div> <p>Board Members: Paula Hall Kevin J. Pike Nicholas Segura Arturo Solis Frank A. Tarantino</p> <p>Superintendent: Karen Janney, Ed.D.</p> <p>Architect: ABC Designers, LLC</p> <p>Contractor: XYZ Builders, Inc.</p> <p>For information contact the Planning and Construction Department at (619) 691-5553 www.sweetwaterschools.org</p>	<div style="text-align: center;"> <p>Project Site Project Name</p>  </div>	
<p><i>Your AAAA dollars at work</i></p>		
	<p>Notes:</p> <ul style="list-style-type: none"> 4'x8'x1/2" Exterior grade plywood or MDF, smooth finish on at least 1 side, painted white, mounted with bottom of panel 5'-0" above grade 4x4x12' PTDF Posts painted white Attach posts with 2-1/2" wood screws or 3/8" bolts Full color rendering and logo Board members in alphabetical order "AAAA" should be "Proposition O" or "CFD" or omitted as appropriate 	



DISTRICT STANDARDS



**WORKING
DRAFT**

6/21/2017

Volume 2 – Technical Specifications

Design Standards for use by Design Professionals
for new construction and modernization for
Sweetwater Union High School District Schools.

Office of the District Architect

619.796.7729

District Standards

VOLUME 2 – TECHNICAL SPECIFICATIONS

PREFACE

This Technical Specifications portion of the Design Standards are a work in process. One goal of updating the standards is to convert the specifications from the 5-digit 2004 Masterformat® numbering system produced by the Construction Specifications Institute to the new 6-digit numbering system in use since 2004. The numbering is based on the current 2016 Masterformat® numbers and titles.

This document is a snapshot of the work in process. Not all technical sections have yet been converted (see Conversion Tables) and as sections are completed they are being reviewed by the Maintenance Department. This document is also being reviewed by the Planning and Construction Department.

The specifications sections will be continually updated for code compliance and product and construction method improvements.

Comments and suggestions should be forwarded to Paul Woods, District Architect at paul.woods@sweetwaterschools.org.

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District Standards

VOLUME 2 – TECHNICAL SPECIFICATIONS

PURPOSE

The Sweetwater Union High School District (SUHSD) is committed to creating equitable learning environments. These Design Standards were developed to provide direction to Design Professionals to enable the creation of quality facilities and spaces and to create uniformity with respect to quality and type of materials and systems to be incorporated into the various designs.

COMPLIANCE WITH STANDARDS

All Design Professionals (architects, engineers, etc.) shall follow the requirements and standards in this document for the planning and design of new construction (including additions), modernization or alterations to school buildings and sites. These standards are not intended to dictate the scope of work or to restrict creativity or innovation. It is the Design Professional's responsibility to develop scope within the budget established as the project progresses through the design phases.

The District welcomes suggestions to improve these standards; however, deviations from these standards need to be specifically approved, in writing, by the District's designated representative. Any deviation requests should be submitted as early in the design phase as possible. It is the objective that continued input from the Design Professionals, District staff, and other stakeholders will result in continuous improvement of these Design Standards.

These Design Standards do not address all items required for all projects. The intent is to address the District concerns and those items that require standardization. Specialty products unique to an individual project that are not addressed in these Standards still need to be reviewed and approved by the Designated District Representative prior to completion of Construction Documents.

TECHNICAL SPECIFICATIONS PRINCIPLES

The following specifications represent the District's requirements. There is a combination of both outline specifications and master specifications for the various sections that may apply to your specific project. The master specification sections are provided in Word format for editing by the Design Professionals to make it project specific and are to be incorporated into the project manual. All edits shall be made with "Track Changes" on so that the District may review the edits. Only after District review may the changes be accepted.

The outline specification sections include requirements that are to be integrated into the master specifications of the Design Professional's choice and edited as appropriate to meet the specific project requirements. It is not the intent to address all items required for all projects. Materials, products, and items not listed are to be recommended by the Design Professional and reviewed by the designated District Representative.

CONVERSION TABLES

The following tables show the conversion from the 2004 5-digit Construction Specifications Institute (CSI) numbering system to the current 6-digit CSI Masterformat® 2016 numbering system.

<u>CURRENT SPECIFICATIONS</u>	<u>NEW CSI</u>	<u>NEW TITLE</u>
<u>DIVISION 1 - GENERAL REQUIREMENTS</u>		
01410 - REGULATORY REQUIREMENTS	01 41 10	Regulatory Requirements
01450 - QUALITY CONTROL	01 45 00	Quality Control
01465 - CUTTING AND PATCHING	01 73 29	Cutting and Patching
01600 - PRODUCT REQUIREMENTS	01 60 00	Product Requirements
01744 - RENOVATION CLEANING PROCEDURES	01 35 16	Alteration Project Procedures
<u>DIVISION 2 - SITE WORK</u>		
02222 - SELECTIVE DEMOLITION	02 41 00	Demolition
02225 - REMOVALS AND RELOCATIONS	01 35 18	Removals and Relocations
02230 - SITE CLEARING	31 10 00	Site Clearing
02300 - EARTHWORK	31 20 00	Earth Moving
02362 - TERMITE CONTROL	31 31 16	Termite Control
02530 - SANITARY SEWERAGE SYSTEM	33 30 00	Sanitary Sewerage
02554 - NATURAL GAS SERVICE SYSTEM	33 50 00	Natural Gas Service System
02741 - ASPHALTIC CONCRETE PAVING	32 12 16	Asphalt Paving
02751 - PORTLAND CEMENT CONCRETE PAVING	32 13 13	Concrete Paving
02765 - PAVEMENT MARKING	32 17 23	Pavement Marking
02810 - LANDSCAPE IRRIGATION SYSTEM	32 80 00	Irrigation
02822 - ORNAMENTAL FENCES AND GATES	32 31 19	Decorative Metal Fences and Gates
02830 - CHAIN LINK FENCING	32 31 13	Chain Link Fences and Gates
	32 31 13.26	Tennis Court Fences and Gates
02891 - PARKING AND TRAFFIC CONTRCL SIGNAGE	10 14 53	Parking and Traffic Signage
02920 - LAWNS AND GRASSES		
<u>DIVISION 3 - CONCRETE</u>		
03100 - CONCRETE FORMWORK	03 10 00	Concrete Forming and Accessories
03200 - REINFORCING STEEL	03 20 00	Concrete Reinforcing
03300 - CAST IN PLACE CONCRETE	03 30 00	Cast-in-Place Concrete
03650 - CEMENTITIOUS UNDERLAYMENT	03 54 13	Gypsum Cement Underlayment
<u>DIVISION 4 - MASONRY</u>		
04822 - REINFORCED CONCRETE UNIT MASONRY	04 22 00	Concrete Unit Masonry
<u>DIVISION 5 - METALS</u>		
05060 - WELDING	05 05 63	Welding
05081 - GALVANIZED FINISHES ON STEEL	05 05 13	Shop Applied Coatings for Metal
05090 - ANCHORS AND FASTENERS	05 05 23	Metal Fastenings
	03 60 00	Grouting
05120 - STRUCTURAL STEEL	05 12 00	Structural Steel framing
05310 - STEEL DECKING	05 31 00	Steel Decking
05400 - COLD-FORMED STRUCTURAL METAL FRAMING	05 40 00	Cold-formed Metal Framing
05505 - MISCELLANEOUS METAL FABRICATIONS	05 50 00	Metal Fabrications
05525 - STEEL PIPE AND TUBE RAILINGS	05 52 00	Metal Railings
05532 - TRENCH AND ACCESS COVERS	05 59 23	Trench and Access Covers
05810 - EXPANSION JOINT ASSEMBLIES	05 59 33	Expansion Joint Assemblies

CURRENT SPECIFICATIONS	NEW CSI	NEW TITLE
DIVISION 6 - WOOD AND PLASTICS		
06112 - WOOD FRAMING AND SHEATHING	06 11 00	Wood Framing
06114 - WOOD BACKING, BLOCKING AND CURBING	06 11 11	Wood Backing, Blocking and Curbing
06200 - FINISH CARPENTRY	06 20 00	Finish Carpentry
06410 - CUSTOM CASEWORK	06 41 00	Architectural Wood Casework
06640 - FIBER-REINFORCED PLASTIC (FRP) WALL PANELING	06 64 00	Plastic Paneling
DIVISION 7 - THERMAL AND MOISTURE PROTECTION		
07110 - DAMPPROOFING	07 11 00	Dampproofing
07210 - BUILDING THERMAL INSULATION	07 21 00	Thermal Insulation
07260 - VAPOR RETARDERS	07 26 00	Vapor Retarders
07265 - VAPOR EMISSION REDUCTION SYSTEM	07 26 33	Vapor Emission Reduction System
07311 - ASPHALT SHINGLES	07 31 13	Asphalt Shingles
07410 - STANDING SEAM ROOF PANELS	07 41 13	Metal Roof Panels
07450 - INSULATED METAL ROOFING		
07550 - MODIFIED BITUMINOUS MEMBRANE ROOFING	07 52 20	Modified Bituminous Membrane Roofing - 20 yr
	07 52 30	Modified Bituminous Membrane Roofing - 30 yr
07620 - SHEET METAL FLASHING AND TRIM	07 60 00	Flashing and Sheet Metal
07710 - MANUFACTURED ROOF SPECIALTIES	07 71 00	Roof Specialties
07720 - ROOF ACCESSORIES	07 72 00	Roof Accessories
07840 - FIRESTOPPING AND SMOKE SEALS	07 84 00	Firestopping
07900 - JOINT SEALERS	07 90 00	Joint Protection
DIVISION 8 - OPENINGS		
08110 - STEEL DOORS AND FRAMES	08 11 00	Metal Doors and Frames
08211 - FLUSH WOOD VENEER DOORS	08 14 00	Wood Doors
08255 - FRP FLUSH DOORS	08 15 00	Plastic Doors
08310 - ACCESS DOORS AND PANELS	08 31 00	Access Doors and Panels
08318 - INSULATING SECURITY DOORS	08 34 53	Security Doors
08520 - ALUMINUM WINDOWS	08 51 13	Aluminum Windows
08710 - DOOR HARDWARE	08 70 00	Hardware
08810 - GLASS AND GLAZING	08 80 00	Glazing
DIVISION 9 - FINISHES		
09110 - NON-LOAD BEARING METAL FRAMING	09 22 16	Non-Structural Metal Framing
09115 - SUSPENDED METAL FRAMING AND FURRING	09 22 26	Suspension Systems
09210 - GYPSUM PLASTER	09 23 00	Gypsum Plastering
09220 - PORTLAND CEMENT PLASTER	09 24 00	Portland Cement Plastering
09250 - GYPSUM BOARD	09 29 00	Gypsum Board
09255 - TILE BACKING BOARD	09 28 13	Cementitious Backing Boards
09310 - CERAMIC TILE	09 30 00	Tiling
09510 - ACOUSTICAL PANEL CEILINGS	09 51 00	Acoustical Ceilings
09645 - CUSHIONED WOOD FLOORING ASSEMBLIES	09 64 53	Resilient Wood Flooring Assemblies
09650 - RESILIENT FLOORING	09 65 00	Resilient Flooring
09656 - RESILIENT ATHLETIC FLOORING	09 65 66	Resilient Athletic Flooring
09676 - SEAMLESS QUARTZ FLOORING	09 67 26	Quartz Flooring
09680 - SHEET CARPET	09 68 00	Carpeting
09820 - ACOUSTICAL INSULATION	09 81 00	Acoustic Insulation
09905 - FIELD PAINTING	09 90 00	Painting and Coating
09964 - ANTI-GRAFFITI COATINGS	09 96 23	Graffiti-Resistant Coatings
DIVISION 10 - SPECIALTIES		
10100 - VISUAL DISPLAY BOARDS	10 11 16	Marker Boards
10125 - TACKABLE WALL PANELS	10 11 23	Tackboards
10170 - SOLID-PLASTIC TOILET PARTITIONS	10 21 13	Toilet Compartments

CURRENT SPECIFICATIONS	NEW CSI	NEW TITLE
10190 - CUBICLE TRACK SYSTEMS	10 21 23	Cubicle Curtains and Track
10210 - WALL LOUVERS	08 91 00	Louvers
10350 - FLAGPOLES	10 75 00	Flagpoles
10405 - SIGNAGE	10 14 00	Signage
10445 - INTERIOR PLAQUE SIGNAGE		included in 10 14 00
10505 - METAL LOCKERS	10 51 13	Metal Lockers
10506 - METAL LOCKERS REFURBISHMENT	10 51 14	Metal Locker Refurbishment
10520 - FIRE PROTECTION SPECIALTIES	10 44 00	Fire Protection Specialties
10650 - OPERABLE PARTITIONS	10 22 39	Folding Panel Partitions
10671 - METAL STORAGE SHELVING	10 56 13	Metal Storage Shelving
10805 - TOILET AND SHOWER ACCESSORIES	10 28 00	Toilet Accessories
DIVISION 11 - EQUIPMENT		
11024 - FIRE-RATED SECURITY DOORS	08 34 57	Fire-Rated Security Doors
11050 - LIBRARY EQUIPMENT	11 51 00	Library Equipment
11055 - LIBRARY SHELVING SYSTEMS	11 51 23	Library Stack Systems
11132 - PROJECTION SCREENS	11 52 13	Projection Screens
11134 - TELEVISION WALL MOUNT		
11400 - FOOD SERVICE EQUIPMENT	11 40 00	Food Service Equipment
11450 - RESIDENTIAL APPLIANCES	11 30 13	Residential Appliances
11485 - GYMNASIUM EQUIPMENT	11 66 23	Gymnasium Equipment
11610 - LABORATORY FUME HOODS	11 53 13	Laboratory Fume Hoods
DIVISION 12 - FURNISHINGS		
12350 - LABORATORY COUNTERTOPS	12 36 53	Laboratory Countertops
12355 - LABORATORY CASEWORK	12 35 53	Laboratory Casework
12359 - MUSICAL INSTRUMENT CABINET SYSTEM	12 35 83	Performing Arts Casework
12490 - WINDOW BLINDS		NOT USED - Replacing with roller shades
DIVISION 13 - SPECIAL CONSTRUCTION		
13130 - FABRIC STRUCTURES	13 31 00	Fabric Structures
DIVISION 14 - CONVEYING SYSTEMS		
14420 - WHEELCHAIR LIFTS	14 42 00	Wheelchair Lifts
DIVISION 15 - MECHANICAL		
15010 - GENERAL PROVISIONS		included in 22 00 00
15250 - INSULATION	22 07 00	Plumbing Insulation
15400 - PLUMBING	22 00 00	Plumbing
15800 - HEATING VENTILATING AND AIR CONDITIONING	23 00 00	Commissioning of HVAC
	23 07 00	HVAC Insulation
	23 31 00	HVAC Ducts and Casings
	23 33 00	Air Duct Accessories
	23 37 00	Air Outlets and Inlets
	23 40 00	HVAC Air Cleaning Devices
	23 80 00	Decentralized HVAC Equipment
15900 - TEMPERATURE CONTROLS	23 09 23	Direct-Digital Control Systems for HVAC
DIVISION 16 - ELECTRICAL		
16010 - GENERAL ELECTRICAL REQUIREMENTS	26 05 00	General Electrical Requirements
16060 - ELECTRICAL DEMOLITION	26 05 05	Selective Demolition for Electrical
	26 51 00	Lighting Fixtures
	26 55 61	Theatrical Lighting and Stage Dimming System
16600 - INTEGRATED COMMUNICATION SYSTEM	27 51 23	Intercommunications and Program Systems
16660 - TELEVISION DISTRIBUTION SYSTEM	27 41 36	Television Distribution Systems
16721 - FIRE ALARM SYSTEM	28 46 00	Fire Detection and Alarm

DIVISION 00 – PROCUREMENT AND CONTRACTING

The “front-end” inclusive of bid form, bid instructions, General Conditions, insurance and contractual requirements are provided by the District and edited for specific project requirements. The Design Professional is to coordinate with the designated District Representative to obtain copies.

The Design Professional must assist the District in the preparation of the front end documents by submitting:

1. List of Alternates, deductive and additive
2. List of Allowances
3. Suggested duration of construction
4. Brief description of the work, including phasing requirements
5. Construction Cost Estimate

DIVISION 01 – GENERAL REQUIREMENTS

The Design Professional must coordinate the technical specifications with the District’s Division 1 requirements.

Warranty: A general two-year warranty from the General Contractor on the entire project is required. The warranty shall commence upon issuance of the Notice of Completion as determined by the District. In addition, provide the specific manufacturer warranty requirements that are beyond the one year. The Design Professional shall prepare a spreadsheet with itemized materials, equipment and systems that have specific warranties. Include manufacturer, contact, length of warranty, and start date of the warranty.

Extra Stock: The Design Professional must coordinate with the District which specifications shall include extra stock items. This is to be determined on a project by project basis.

01 35 16 – ALTERATION PROJECT PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Building cleaning procedures performed in conjunction with alteration or renovation Work.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturers: Hillyard, Inc., St. Joseph, MO (800/365-1555). Or equal
- B. Acceptable Manufacturers: None identified. Equivalent products of other manufacturers will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.

2.2 CLEANING MATERIALS

- A. Cleaning Materials: Suitable for finishes being cleaned, not causing damage, discoloration or deterioration of finish.
 - 1. Use only cleaning materials and methods recommended by cleaning material manufacturer for cleaning substrate finish of soiling, marring and contamination on surface.
 - 2. Do not use cleaning materials that will create hazards to health or property, or that will damage surfaces.
 - 3. Use of wire brushes, steel wool or abrasive cleaning ("sandblasting") for cleaning purposes will not be acceptable.
 - 4. Cleaning materials and systems shall be in accordance with products and manufacturer submittals reviewed and accepted by Architect.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Protection:
 - 1. Provide necessary wrappings and other necessary coverings to comply with the protection requirements of this Section.

2. Take measures to protect foundation plantings and lawn areas from permanent damage.
3. Wood, glass, and painted surfaces shall be carefully protected against damage from mechanical, acid, alkali, and pressure rinsing operations.
4. Workers using chemicals shall wear goggles, face shields, gloves, and other protective clothing in compliance with governing Federal and state safety codes, regulations and rules.
5. Provide safeguards to protect persons from injury by erecting barriers well outside limits of wind drifting water, detergents, acids, and other cleaning substances, however mild they may be.

3.2 SITE CLEANING

A. Site Cleaning:

1. Broom clean exterior paved surfaces. Rake clean other surfaces of the grounds.
2. Hose down and scrub where necessary concrete and walks soiled as a result of the construction work. Thoroughly remove mortar and paint droppings from walks and pavements.
3. Remove from Work area all construction waste, unused materials, excess soil and debris resulting from the Work.
4. Legally dispose of off-site, rubbish and debris occasioned by final cleaning.

B. Inspection: Prior to final completion or Owner occupancy, conduct an examination of sight-exposed exterior surfaces, and all work areas, to verify that entire work is clean.

3.3 BUILDING CLEANING

A. Building Cleaning, General: Clean all existing surfaces and finishes not subject to new construction activities. Requirements for cleaning of new construction are specified in individual product Specifications Sections.

1. Clean surfaces to remove dust, dirt, misplaced plaster, drywall compound, texturing, paint, and other finishes and stains. Remove grease, mastic, adhesives, fingerprints, labels, and other foreign materials from all visible interior and exterior surfaces.
 - a. Clean all sills, ledges, horizontal projections, steps, rails and other surfaces subject to accumulation of soiling.
 - b. Clean tops of casework, fixtures and equipment not subject to view.
2. Coordinate with painting and other renovation Work, including but not limited to joint sealing, installation of new doors and windows, glass and glazing, masonry repair, exterior and interior plastering, interior wall and ceilings, anti-graffiti coatings, casework, signage, specialties and equipment.
3. Clean floor surfaces, including but not limited to exposed concrete, resilient flooring, carpet, wood flooring and specialty surfaces. Coordinate cleaning methods and applied finishes with Owner's maintenance practices. Comply with Owner's directions.

4. Clean and vacuum all existing carpet and carpet tile to remain. Perform cleaning in compliance with carpet manufacturer's instructions and recommendations. Perform vacuuming with vacuum cleaner with HEPA rated filter.
5. Clean entire building exterior wall and soffit surfaces of accumulated soiling. Use cleaners and methods suitable for substrate finishes and kinds of soiling.
6. Clean and polish glass, mirrors, ceramic tile, hardware, toilet accessories and natural metals. Use appropriate cleaners to remove watermarks.
7. Clean all plumbing and electrical fixtures. Clean HVAC grilles and diffusers.
8. Clean all vertical, horizontal and sloped surfaces of dust and debris from construction activities.
9. Cleaning process shall not affect the density, porosity or the color of surface.
10. Surfaces shall be evenly cleaned with no evidence of streaking or bleaching.

B. Heating, Ventilating and Air Conditioning Systems:

1. Clean permanent filters and replace disposable filters if units were operated during construction.
2. Clean ducts, blowers, and coils if units were operated without filters during construction.

C. Final Cleaning: Prior to Substantial Completion review or Owner occupancy, conduct examination of sight-exposed interior surfaces and all Work areas to verify that entire facility is clean. Refer also to **Section 01740** - Cleaning Requirements for cleaning activities for Substantial Completion review and Contract closeout.

3.4 FLOOR CLEANING

A. Floor Cleaning, General: Products and procedures are based those of specified manufacturer, Hillyard, Inc. Prior to any wet cleaning task please place appropriate wet floor signs in the work area.

B. Carpet and Carpet Tile Cleaning:

1. Spot Removal: Refer to the Hillyard Carpet Solutions Spotting Chart for proper product selection. Apply product directly to the spot. Agitate spot from the outside edge to the center using a bone scraper or other smooth edged instrument, such as a spoon. Blot and rinse after applying each cleaning product.
2. Interim Cleaning: Bonnet Cleaning: Use Hillyard DEEP ACTION and dilute with water at 1:10 (12 oz. per gallon) Or equal. Apply uniform mist with shoulder sprayer. Clean carpet with DEEP ACTION Bonnet under single brush floor machine. Change and clean bonnets as they become dirty.
3. Light Extraction: Mix Hillyard CARPET PRE-SPRAY & EXTRACTION at 1:64 (2 oz. per gallon) Or equal in a pump up sprayer. Pre spray approximately 200 sq. ft. of carpet. Extract with clean hot water not to exceed 150 degrees. Allow carpet to dry thoroughly before opening to traffic.
4. Deep Cleaning:
 - a. Extraction: Mix CARPET PRE-SPRAY & EXTRACTION at 1:20 (6 oz. per gallon) in a pump up sprayer. Apply to approximately 400 sq. ft. of carpet. ADD Hillyard

EXTRACTION pH RINSE to the hot water Or equal (not to exceed 150 degrees) in solution tank of extractor and extract carpet. The dilution rate is 2 oz. per gallon for EXTRACTION pH RINSE. Allow carpet to dry thoroughly before opening to traffic.

5. Protection and static control on a clean carpet and carpet sanitizer option:
 - a. Protection: To help prevent soil and stains from penetrating carpets and to make vacuuming easier, apply Hillyard SOIL-STOP following label directions. Or equal
 - b. Static Control: To control static electricity, apply Hillyard CARPET ANTI-STAT with pump-up sprayer following label directions.
 - c. Sanitizing: To control malodors and sanitize areas, apply Hillyard CARPET SANITIZER following label directions.

C. Concrete Floor Cleaning:

1. Preparation:
 - a. Scrub floor with solution of RENOVATOR using a single brush floor machine.
 - b. For floors coated with wax, polish, single pot epoxies, curing compounds or oil-modified urethanes, use a black stripping pad.
 - c. For floors coated with moisture cure urethane or sodium silicates, use 100 grit discs.
 - d. For rough or broom swept concrete, use an abrasive scrubbing brush.
 - e. Pick up cleaning solution with wet vac or auto scrubber.
 - f. Neutralize by scrubbing with a 4 oz. per gallon solution of NUTRA-RINSE. Or equal
 - g. Pick up scrubbing solution, flood rinse and damp mop. Allow floor to dry completely.
 - h. Note: If floor is coated with single pot epoxy, oil-modified, or moisture cure urethane and is peeling, remove with paint and varnish remover or mechanical abrasion.
2. Sealing and Finishing:
 - a. Non-Bufferable Program: When floor is clean and dry, apply two to three coats of TERRAZINE following label directions. If desired, topcoat seal with Hillyard SEAL 341.

D. Ceramic and Quarry Tile Flooring:

1. Non-Glazed Surfaces:
 - a. Preparation: After the grout has cured for 30 days, scrub the floor with solution of Hillyard RENOVATOR following label directions.
 - b. Sealing/Finishing: When floor is clean and dry, apply two to three coats of Hillyard SEAL 341 following label directions. Hillyard TERRAZINE may be used for very porous paver brick and stone. Follow label directions and topcoat with Hillyard SEAL 341.

2. Glazed/Polished Tile: For glazed or polished tile, porcelain tile or floors where a seal is not recommended or desired, simply maintain with Hillyard SUPER SHINE-ALL neutral cleaner. Or equal
- E. Resilient Flooring: Including rubber, vinyl, vinyl composition and linoleum products: Please CONTACT Hillyard for special instructions prior to using any floor stripper on rubber or linoleum floors as it may be necessary to utilize Hillyard's GREEN SELECT STRIPPER or to avoid using a floor stripper.
 1. Preparation: Select Hillyard POWER STRIP, ASSAULT, or DEVASTATOR depending on the Hillyard TRILOGY SYSTEM being utilized. Or equal Scrub floor using selected stripper at appropriate dilution rate with black stripping pads. Pick up stripping solution with wet vac and neutralize floor with Hillyard NUTRA-RINSE. Pick up solution and finish by damp mop rinsing the floor twice with clean water. Allow floor to dry at least one hour before applying finish.
 2. Sealing/Finishing: When floor is clean and dry apply one or two even coats of HIL-TEX+ or SEAL 341 using a clean synthetic mop with a minimum of 30 minutes between coats. If staining is a problem, STRONG GUARD stain-resistant seal should be considered.
 - a. Trilogy System I: Apply TOP SHAPE or EXPLORER following label directions.
 - b. Trilogy System II: Apply ENDEAVOR or NORTH STAR following label directions.
 - c. Trilogy System III: Apply RESILIENCE following label directions.
 3. Buffable Program: When buffing the floor polish to obtain higher gloss it will be necessary to utilize HIL-GLO according to label instructions. HIL-GLO may be used with buffing machines ranging between 175 rpm's and 1500 rpm's. Or equal
- F. Special Applications:
 1. Conductive Floors: After installation, thoroughly clean floor with solution of QT disinfectant/detergent. Clean thereafter as required. Avoid any further treatment which might leave grease, wax, dust, soap film or other insulating substances on the floor.
 2. Shower and Locker Room Walls and Floor Tile: Renovate old shower room and locker room wall and floor tile with EXTRA STRENGTH C.S.P. CLEANER. Or equal
 3. Terrazzo:
 - a. Portland Cement Terrazzo: Scrub thoroughly with Hillyard SUPER SHINE-ALL Solution. Rinse and let dry. Or equal
 - b. Non-Buffable Program: When floor is clean and dry, apply three to four coats of Hillyard SEAL 341 following label directions. Hillyard TERRAZZINE may be used for extremely porous terrazzo as a sealing option, following label directions.
 - c. Vertical Surfaces: Scrub thoroughly with Hillyard SUPER SHINE-ALL. Rinse and let dry. Seal with one or two coats of Hillyard SEAL 341 following label directions.
 4. Resinous, Magnesite or Oxychloride: Scrub with a solution of Hillyard SUPER SHINE-ALL. Rinse thoroughly and let dry at least one hour. Apply three to four coats of Hillyard 341 according to manufacturer's label directions. Hillyard Terrazzine may be used for extremely porous resinous, magnesite, or oxychloride.
- G. Wood Floors: Water-based seal on floors previously sealed with a wood seal:

1. Preparation: To remove buildup of wax or polish, scrub floor with solution of POWER-STRIP (16 ounces POWER-STRIP per gallon of water) Or equal using single brush floor machine and strip pad. Pick up stripping solution, rinse with NUTRA-RINSE solution, pick up NUTRA-RINSE solution and follow with several damp mop rinses. Allow the floor to dry at least one hour.
2. Note: Do not use POWER STRIP on parquet flooring installed using water based mastic for total renovation of an old floor, strip with a paint and varnish remover, following label directions. Comply with state hazardous waste disposal authorities or the hazardous waste representative at the nearest U.S. EPA Regional Office for disposal requirements.

H. Wood Gym Floors:

1. Note: If working on a newly installed gym floor or a sanded gym floor please call Hillyard to obtain step by step instructions.
2. Scrub floor with 3M Surface Preparation Pads under single brush floor machine and solution of SUPER SHINE-ALL (1 cup per 3 gallons water) Or equal. Use each pad at 500 sq. feet per side. Pick up scrubbing solution with wet vac, damp mop rinse and allow to completely dry. Touch up game lines using Hillyard Recommended paint. The touched up game lines need to dry overnight, then abrade with 3M Surface Preparation Pads the following day. Tack rag with Tack -It and let dry 30 minutes.
3. Contender System: Apply one coat of CONTENDER FINISH over entire floor. For best results use a Hillyard Multi Flo to apply the finish and use lightweight t-bars to feather the edges. Contender Finish should be applied at 500 square feet per gallon. Apply a second coat of Contender over entire floor after waiting 12 to 24 hours. If the drying time has exceeded 24 hours it becomes necessary to abrade with 3M Surface preparation pads (500 sq. feet per side).
4. Synthetic Gym Floors: If floor warranty has expired and a maintenance coating is needed or desired, scrub floor with SALVATION according to label directions. Rinse thoroughly and allow to dry at least one hour. Apply three coats of PROTECTIVE COATING or SEAL 341 following label directions.

3.5 PAINT REMOVAL PROCEDURES

A. Paint Removal Procedures, General: Paint removal procedures include:

1. Exposing the natural beauty of the substrate.
2. Not causing physical or chemical damage to the substrate.
3. Revealing areas requiring replacement or repair.
4. Leaving the surface physically and chemically compatible for the application of new paint.

B. Testing: Test each painted surface subject to removal in accordance with manufacturer's recommendations. Testing shall include both solvent base removers and alkaline base removers.

C. Protection:

1. Protect surrounding areas, including adjacent surfaces and structures; private property including automobiles, outdoor furniture, etc: animal life and their dwellings;

vegetation and plant life; and other surfaces which would be adversely affected if placed in contact with the cleaning chemicals.

2. Protective screens, deflectors, tarpaulins, and other protective measures shall be employed in order to confine the work and properly drain wastewater.

D. Paint Removal Procedures:

1. Select the type of paint removal material and method best suited to paint removal based upon the type, age, and number of paint layers and anticipated temperature conditions. Procedures shall be variably employed as needed at the contractor's discretion, subject to conformance with other parts of these specifications.
2. Depending on the type of paint on each layer, the project may require one or the other or both types of removers.
3. Exterior paint removal methods shall include a chemical treatment combined with a high-pressure water spray.
4. Water rinsing shall be confined to the work area by controlling the drift of water and spray.
5. All rinse water shall be clean, potable, and free of materials injurious to substrate.
6. A viscous paint removal compound shall be applied by brush, spray, or roller.
7. After standing on the surface for 30 minutes to 8 hours depending on the type of remover and the manufacturer, the effluent can be rinsed using 1500 psi and 4 to 5 gpm.
 - a. Rinsing effectiveness can be increased by the use of hot water.
 - b. Pressure nozzle shall be held at a distance and angle from the substrate to prevent damaging the surface.
8. Paint removal shall commence at the bottom and shall continually progress up the face of the wall.
9. Special care shall be taken during the paint removal operation in areas where the details may have deteriorated underneath the paint.
10. Should any paint removal operation cause the slightest injury or reveal extensive areas of deteriorated substrate, stop work immediately and notify Architect.
11. Rinse surfaces with clean water to remove residue.
 - a. Avoid water spray into large open cracks or open joints.
 - b. The substrate shall be rinsed until the rinse water is neutral (pH 7).
 - c. With some strong alkaline removers, it rinse as necessary with mild acid to achieve substrate neutralization.
12. Repeat procedures until required level of paint removal is attained.

END OF SECTION

01 35 18 – REMOVALS AND RELOCATION

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Removal of existing products, components and assemblies indicated on the Drawings or specified herein.
- B. Relocation and reinstallation of removed products, components and assemblies to locations indicated on the Drawings or specified herein.

PART 2 - PRODUCTS

2.1 PRODUCTS TO BE REMOVED AND RELOCATED

- A. Products to be Removed for Relocation: As indicated on the Drawings.
- B. Products to be Salvaged: After removal, deliver products indicated on the Drawings to Owner at location as directed, obtaining receipt for delivery.
- C. Accessory Products: Provide products, including anchors, fasteners, adapters, fillers, joint sealers, refinishing materials and other accessory products, as necessary to complete removal, patching and reinstallation, as appropriate. Products shall match existing components and shall be as selected by the Contractor, subject to review for acceptability by the Architect.

PART 3 - EXECUTION

3.1 REMOVALS

- A. Removals, General: Removals shall be performed without damage to products removed and to adjacent construction to remain.
 - 1. As applicable, comply with original manufacturer's installation instructions and recommendations for disassembly, disconnection and removal.
 - 2. Procedures and methods used shall preserve the functional and visual qualities of removed products, such as preservation of anchoring devices, serving water, power and other utility connections, and all covers, safety devices, disconnects and controls.
 - 3. Products damaged shall be restored to functional condition, with operating and visual qualities to match original condition, at no change in Contract Sum or Contract Time.

3.2 RELOCATION AND REINSTALLATION

- A. Relocation and Reinstallation: Relocate products indicated on the Drawings to be relocated. Reinstall in a manner matching original installation, except if otherwise indicated on the Drawings.
 - 1. Provide new anchors and fasteners.
 - 2. Relocated products shall be firmly secured to substrate in a manner to resist loads imposed by use.
- B. Utility and Service Connections: Where applicable, comply with the following and applicable Code requirements.
 - 1. Plumbing connections: Provide water, gas, sanitary sewer and other utility services to suit relocated products, to make such products fully functional, in compliance with requirements specified in applicable Sections in Division 15 - Mechanical.
 - 2. Power and signal connections: Provide power and signal services to suit relocated products, to make such products fully functional, in compliance with requirements specified in applicable Sections in Division 16 - Electrical.

3.3 PATCHING AND RESTORATION

- A. Patching: Where removals leave holes and damaged surfaces that will be exposed in the completed construction, such holes and damaged surfaces shall be patched and restored to match adjacent finished surfaces, in compliance with requirements specified in Section 01465 - Cutting and Patching.
 - 1. Where new finish construction is applied over existing holes and damaged surfaces, patching and restoration shall be performed to the extent to make the substrate suitable for the provision of new finish construction.
 - 2. Surfaces of patched and restored areas shall be flush with the adjacent existing surfaces and shall closely match existing adjacent surfaces in texture and finish.
- B. Restoration of Building Finishes: Touch up scratched finishes as recommended by manufacturer of original finish. If touch-up cannot achieve acceptable finish, according to Architect, prepare and refinish metal components using suitable methods to restore appearance to like-new condition.
- C. Restoration of Site Finishes:
 - 1. Concrete paving: Where it is necessary to excavate a trench across make a cut in concrete paved areas, first score concrete paving with a concrete cutting saw, in neat straight lines, to a depth of not less than 2 inches, prior to removing concrete.
 - 2. Bituminous paving: Where it is necessary to excavate a trench across make a cut in bituminous paved areas, either first score paving with a concrete cutting saw, in neat straight lines, prior to removing paving or make straight cuts with pneumatic spade.
 - 3. Restoration of paving: Restore all paved areas to their original condition using material of like type and quality as the removed paving. Paving in public ways shall conform to applicable requirements of authorities having jurisdiction. Repaired surfaces shall match existing adjacent paving.

4. Restoration of landscape planting: Restore soil and plant materials to match original condition, including additional topsoil, topsoil grading and preparation, new plant materials and plant maintenance during establishment period.

3.4 DEBRIS AND DEBRIS CONTROL

- A. Debris Removal and Disposal: Debris shall be placed in approved Contractor furnished containers to prevent the spread and accumulation of dust and dirt. Debris shall be removed from the area of work as often as necessary, but not less than at least once at the end of each work day.
 1. Conveyances: Utilize buggies or other conveyances on roofs and within building to transport removed debris. Limit size and weight to prevent marring and damaged to surfacings and to suit available accessways.
 2. Chutes: At all locations where debris is to be transferred vertically for a distance of 10 feet or more, provide an enclosed chute for debris transport.
 - a. Chutes shall not extend in an unbroken line for more than 20 feet, but shall be provided with substantial breaks at intervals not greater than 20 feet to prevent descending materials or debris from attaining dangerous speeds.
 - b. Debris shall not spill from the bottom of the chute directly onto the ground. The bottom of each chute shall be equipped with a gate or stop with suitable provisions for closing off or regulating the flow of debris.
 - c. Final drop of debris shall be into either a suitable collection hopper or truck.
 - d. Provide hose with nozzle, connected to an adequate water supply, near bottom of each chute and wet down debris to reduce and control dust.
- B. Dust Control: Control dust resulting from removals and disposal of debris to prevent its spread to portions of building and site to remain occupied or in use, and to avoid creation of a nuisance in surrounding areas.
 1. Provide temporary dust-tight barriers as necessary. Refer to general requirements specified in Section 01500 - Temporary Facilities and Controls. Include dust seals on doors and access panels.
 2. Removed materials shall not be thrown freely from the building, including roof if applicable, but shall be transported to suitable containers in wheeled carts or through a enclosed chutes, in order to minimize spread of dust and debris.
 3. Completely seal return air grilles within the areas enclosed by dust barriers, in order to prevent entrance of particles into the heating/ventilating/air conditioning (HVAC) system.
 4. Vent areas enclosed by dust barriers to the outside of the building. Provide approved filters on these vents.
 5. Prior to removing the dust barrier, thoroughly clean area enclosed by the barrier and both sides of the barrier itself, to be completely cleaned of all dust and debris.

3.5 CLEANING AND PROTECTION

- A. Cleaning: Clean products and surrounding finishes to remove dust, marring and soiling. Ensure that all identifying devices are legible, including operating instructions, warning notices, fire rating labels and manufacturer's identifying labels.
 - 1. Clean products to be salvaged and delivered to Owner.
 - 2. Clean relocated products prior to reinstallation.
- B. Protection: Comply with general requirements specified in Section 01500 - Temporary Facilities and Controls and comply with the following:
 - 1. Provide weather barriers to protect existing construction and construction Work in progress, including, as applicable, temporary roof coverings and temporary door and window closures. Weather barriers shall prevent damage from moisture, wind, heat and cold.
 - 2. Protect pathways to maintain clear access and exit ways.
 - 3. Protect site and building elements with barriers, barricades and warning devices, to prevent damage during removal and relocation activities and to protect reinstalled products.
 - 4. Prevent damage due to overloading of building structure due to storage and movement of materials. Do not store materials on floors and roofs in excess of design loads of these components. Material stored on roof shall be uniformly distributed so that load shall not exceed 20 psf.
 - 5. As applicable, protect roofing, roof flashing and sheet metal flashing and trim, utilizing plywood sheets and other protective devices, to prevent physical damage due to abrasion and to distribute loads to prevent crushing of roof insulation and overloading of roof structure.

END OF SECTION

00 41 10 – REGULATORY REQUIREMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Codes, ordinances, laws and regulations applicable to the Work under the Contract.

1.3 AUTHORITY AND PRECEDENCE OF CODES, ORDINANCES AND STANDARDS

- A. Authority: All codes, ordinances and standards referenced in the Drawings and Specifications shall have the full force and effect as though printed in their entirety in the Specifications.
- B. Precedence:
 - 1. Where specified requirements differ from the requirements of applicable codes, ordinances and standards, the more stringent requirements shall take precedence.
 - 2. Where the Drawings or Specifications require or describe products or execution of better quality, higher standard or greater size than required by applicable codes, ordinances and standards, the Drawings and Specifications shall take precedence so long as such increase is legal.
 - 3. Where no requirements are identified in the Drawings or Specifications, comply with all requirements of applicable codes, ordinances and standards of authorities having jurisdiction.

1.4 APPLICABLE CODES, LAWS AND ORDINANCES

- A. Building Codes:
 - 1. Performance of the Work shall meet or exceed the minimum requirements of California Code of Regulations (CCR), Title 24, including the following:
 - a. CCR Title 24, Part 1: 2013 California Building Standards Administrative Code.
 - b. CCR Title 24, Part 2: 2013 California Building Code (CBC)
 - c. CCR Title 24, Part 3: 2013 California Electrical Code (CEC)
 - d. CCR Title 24, Part 4: 2013 California Mechanical Code (CMC)
 - e. CCR Title 24, Part 5: 2013 California Plumbing Code (CPC)
 - f. CCR Title 24, Part 6: 2013 California Energy Code
 - g. CCR Title 24, Part 9: 2013 California Fire Code (CFC)
 - h. CCR Title 24, Part 10: 2013 California Existing Building Code
 - i. CCR Title 24, Part 11: 2013 California Green Buildings Standards Code

- j. CCR Title 24, Part 12: 2013 California Reference Standards Code
 - 2. Performance of the Work shall also comply with applicable requirements of California Code of Regulations (CCR) as follows:
 - a. Title 19 - Public Safety
 - b. Title 22 - Social Security
 - 3. References on the Drawings or in the Specifications to "code", "Code" or "building code" similar terms, not otherwise identified, shall mean the codes specified above, together with all additions, amendments, changes, and interpretations adopted by code authorities of the jurisdiction having authority over the Project.
 - 4. The applicable edition of all codes shall be that adopted at the time of issuance of permits by the authority having jurisdiction and shall include all modifications and additions adopted by that authority. The applicable date of laws and ordinances shall be that of the date of performance of the Work.
- B. Other Applicable Laws, Ordinances and Regulations:
- 1. Work shall be accomplished in conformance with all applicable laws, ordinances, rules and regulations of Federal, State, County, City and special district agencies and jurisdictions having authority over the Project.
 - 2. Performance of the Work shall be accomplished in conformance with all rules and regulations of public utilities, utility districts and other agencies serving the facility.
 - 3. Where such laws, ordinances, rules and regulations require more care or greater time to accomplish Work, or require better quality, higher standards or greater size of products, Work shall be accomplished in conformance to such requirements with no change to the Contract Time and Contract Sum, except where changes in laws, ordinances, rules and regulations occur subsequent to the execution date of the Agreement.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION– NOT USED

END OF SECTION

01 45 00 – QUALITY CONTROL

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Regulatory requirements for testing and inspection.
- B. Quality of the Work.
- C. Contractor's quality control.
- D. Inspections and tests, including those by authorities having jurisdiction, independent testing and inspection agency or agencies, DSA-certified and DSA-approved independent testing laboratory, serving utilities and product manufacturers.
- E. Contractor's responsibilities for observations, inspections and tests.

1.3 REGULATORY REQUIREMENTS FOR TESTING AND INSPECTION

- A. Regulatory Requirements for Testing and Inspection: Inspections, testing and approvals required by the Division of the State Architect (DSA). Refer also to Section 01 41 10 - Regulatory Requirements.
 - 1. Part 2, Title 24, California Code of Regulations (CCR) – 2013 California Building Standards Code
 - 2. Part 1, Title 24, Section 4-335, California Code of Regulations (CCR): Testing and inspection required by the Division of the State Architect (DSA).
 - 3. Part 1, Title 24, Section 4-333, California Code of Regulations (CCR): Observation and Inspections of Construction.

1.4 QUALITY OF THE WORK

- A. Quality of Products: Unless otherwise indicated or specified, all products shall be new, free of defects and fit for the intended use.
- B. Quality of Installation: All Work shall be produced plumb, level, square and true, or true to indicated angle, and with proper alignment and relationship between the various elements.
- C. Protection of Existing and Completed Work: Contractor shall take all measures necessary to preserve and protect existing and completed Work free from damage, deterioration, soiling and staining, until acceptance of the Work by Owner.
- D. Standards and Code Compliance and Manufacturer's Instructions and Recommendations: Unless more stringent requirements are indicated or specified, comply with manufacturer's instructions and recommendations, reference standards and building code research report requirements in preparing, fabricating, erecting, installing, applying, connecting and finishing Work.

- E. Deviations from Standards and Code Compliance and Manufacturer's Instructions and Recommendations: Document and explain all deviations from reference standards and building code research report requirements and manufacturer's product installation instructions and recommendations, including acknowledgement by the manufacturer that such deviations are acceptable and appropriate for the Project.

1.5 CONTRACTOR'S QUALITY CONTROL

- A. Contractor's Qualifications: Contractor and all subcontractors shall be licensed by State of California, Contractors License Board, to perform Work required by the Contract Documents. In addition, current specialty certifications, approvals and licenses of building product manufacturers shall be held by those performing the Work, as applicable.
 - 1. Contractor shall employ highly skilled and trained craftpersons together with such other employees as required by applicable laws, rules and ordinances.
 - 2. Each craft shall be under constant supervision by qualified foreman or other designated supervisor to ensure that Work performed is of highest quality.
- B. Contractor's Quality Control: Contractor shall ensure that products, services, workmanship and site conditions comply with requirements of the Drawings and Specifications by coordinating, supervising, testing and inspecting the Work and by utilizing only suitably qualified personnel.
- C. Quality Requirements:
 - 1. Work shall be accomplished in accordance with quality requirements of the Contract Drawings and Contract Specifications, including, by reference, all Codes, laws, rules, regulations and standards.
 - 2. When no quality basis is prescribed, the quality shall be in accordance with the best accepted practices of the construction industry for the locale of the Project, for similar projects and in compliance with applicable Codes, laws, rules and regulations of authorities having jurisdiction.
- D. Quality Control Personnel: Contractor shall employ and assign knowledgeable and skilled personnel as necessary to perform quality control functions to ensure that the Work is provided as required.
- E. Coordination of Field Quality Control: Contractor shall coordinate and schedule field quality control activities of District's independent testing and inspection agency and inspectors from authorities having jurisdiction.
- F. Verification of Quality: Work shall be subject to verification of quality by Owner, Architect, other responsible design professionals, authorities having jurisdiction, serving utilities and product manufacturers, in accordance with provisions of the Conditions of the Contract and requirements of product manufacturers.
 - 1. Contractor shall cooperate by making Work available for observation, inspection and testing by designated representatives of Owner, Architect, authorities having jurisdiction, serving utilities and product manufacturers.
 - 2. Such verification may include observation, inspection and testing at mill, plant, shop or project site locations where products for the Work are manufactured, fabricated or assembled.

3. Contractor shall provide access and facilities for verification of quality by Owner, Architect, authorities having jurisdiction, serving utilities and product manufacturers. See additional requirements specified herein in Article titled "CONTRACTOR'S RESPONSIBILITIES FOR OBSERVATIONS, INSPECTIONS AND TESTS."
4. Contractor shall provide all information and assistance necessary for verification of quality, including that by and from subcontractors, fabricators, materials suppliers, manufacturers, installers, applicators and others performing Work.
5. Contract modifications, if any, resulting from such verification activities shall be governed by applicable provisions in the Conditions of the Contract.
6. Contractor shall notify Owner in writing through Architect within 10 days of completion of work installed by Owner under separate contract of any defects or discrepancies that will cause delay or cost to the Contract. Failure to notify the Owner in writing shall constitute acceptance of the work as complying with the Contract and coordinated with Contractor's interface and work to be completed.
7. Prior to expiration of guaranty period provided under the Contract, District may exercise its right to reinspection.
 - a. If a determination is made to hold such an inspection, District will schedule inspection in conjunction with Contractor.
 - b. At a minimum, Contractor's authorized representative and District Representative shall participate in reinspection.
 - c. Discrepancies noted during reinspection, except normal wear and tear, normal weathering and abuse shall be corrected by Contractor at no cost to District. Such repairs shall be made promptly and to satisfaction of District Representative.

G. Observations by Owner, Architect and Architect's Consultants:

1. Periodic and occasional observations of Work in progress will be made by Owner, Architect and Architect's consultants as deemed necessary to review progress of Work and general conformance with design intent.
2. Continuous inspection will be made by the Owner's Project Inspector, in accordance with Title 24, Part 1, Article 4-333.

H. Limitations on Inspection, Test and Observations: Employment of independent Testing Laboratory, including Project Inspector, and observations by Owner, Architect and Architect's consultants shall in no way relieve Contractor of duties and responsibilities to perform Work in full conformance to all requirements of Contract Documents and applicable Building Code and other regulatory requirements.

I. Non-Conforming Work:

1. Correction of Non-Conforming Work: Non-conforming Work shall be modified, replaced, repaired or redone by the Contractor at no change in Contract Sum or Contract Time.
2. Rejection of Non-Conforming Work: Owner reserves the right to reject all Work not in conformance to the requirements of the Drawings and Specifications.
3. Acceptance of Non-Conforming Work: Acceptance of non-conforming Work, without specific written acknowledgement and approval of the Owner and, as applicable,

authorities having jurisdiction, shall not relieve the Contractor of the obligation to correct such Work.

4. **Contract Adjustment for Non-conforming Work:** Should Architect or Owner determine that it is not feasible or in Owner's interest to require non-conforming Work to be repaired or replaced, and should non-conforming Work not be in conflict with the requirements of authorities having jurisdiction, an equitable reduction in Contract Sum shall be made by agreement between Owner and Contractor. If equitable amount cannot be agreed upon, a Construction Change Directive will be issued and the amount in dispute resolved in accordance with applicable provisions of the Conditions of the Contract.
5. **Non-Responsibility for Non-Conforming Work:** Architect and Architect's consultants disclaim any and all responsibility for Work not produced in full conformance with the Contract Documents and the requirements of authorities having jurisdiction.

1.6 INSPECTIONS AND TESTS BY AUTHORITIES HAVING JURISDICTION

- A. **Contractor's Assistance:** Contractor shall assist in all tests and inspections required by authorities having jurisdiction over the Work under this Contract, including those required by Division of the State Architect (DSA), Public Works Department, Fire Department, Health Department and similar authorities having jurisdiction. Such assistance shall include notification of the Project Inspector when the Work is ready for inspection or re-inspection.
- B. **DSA Field Supervision:** Division of the State Architect (DSA), Office of Regulation Services, will provide field supervision in accordance with Section 4-334, Part 1, Title 24, CCR. Contractor shall verify with the General Inspector that DSA has been notified prior to start of construction, in compliance with Section 4-331, Part 1, Title 24, CCR.

1.7 INSPECTIONS BY OWNER

- A. **Access to the Work:** Owner, through Owner's representatives and agents, shall have access at all times for the purpose of inspection of the Work, including access to offsite shops and other fabrication and mixing facilities where the Work is in preparation. Contractor shall at all times maintain proper facilities and provide safe access for such inspection.
 1. Should it be considered necessary or advisable by the Owner, at any time before final acceptance of the entire Work, to make an examination of the Work already completed, by removing or tearing out the same, the Contractor shall on request promptly furnish all necessary facilities, labor and materials.
 2. If such Work is found to be defective, in any respect, due to the fault of the Contractor or his subcontractor, he shall defray all expenses of such examinations and of satisfactory reconstruction. If, however, such Work is found to meet the requirements of the Contract, the additional cost of labor and material necessarily involved in the examination and replacement shall be allowed the Contractor.
- B. **Rejection of Work by Owner:** Owner shall have the right to reject materials and workmanship which are defective or to require their correction.
 1. Rejected workmanship shall be satisfactorily corrected and rejected materials shall be removed from the premises without charge to the Owner.

2. If the Contractor does not correct such rejected Work within a reasonable time, fixed by written notice, the Owner may correct same and charge the expense to the Contractor.

1.8 INSPECTIONS BY OWNER'S PROJECT INSPECTOR

- A. Inspections by Owner's Project Inspector: Owner will employ and assign to inspect the Work a Project Inspector in accordance with the requirements of California Code of Regulations (CCR), Title 24, Part 1, Section 4-333. The duties of the Project Inspector will be as defined in Title 24, Part 1, Section 4-342. Project Inspector shall be certified and approved by the Division of the State Architect (DSA).
 1. The Work of construction in all stages of progress shall be subject to the personal, continuous observation of the Project Inspector. Contractor shall provide free and safe access to any and all parts of the Work at all times.
 2. Contractor shall furnish to the Project Inspector reasonable facilities for obtaining such information as may be necessary to keep the Project Inspector fully informed respecting progress and manner of the Work and the character of the materials.
 3. Inspection of the Work by the Project Inspector shall not relieve the Contractor of any obligation to fulfill the Contract.
- B. Excessive Costs for Project Inspector: Costs of the Project Inspector beyond the ordinary shall be charged to the Contractor as provided in Paragraph 1.12.B., in this Section.

1.9 INSPECTIONS BY DSA-CERTIFIED AND APPROVED INDEPENDENT TESTING LABORATORY

- A. Inspections by DSA-Certified and -Approved Independent Testing Laboratory:
 1. Owner will select, employ and pay for an independent Testing Laboratory, licensed, certified, and approved by State of California, Division of the State Architect (DSA). Testing Laboratory will conduct tests and inspections as indicated on Drawings, in Specifications and as required by authorities having jurisdiction.
 2. Testing Laboratory shall be licensed to conduct testing and inspection operations and services in the State of California. Testing Laboratory services for this project shall be supervised by Civil Engineer licensed to practice in the State of California, who shall certify and sign all reports.
 3. Employment of Testing Laboratory shall be in compliance with California Code of Regulations (CCR), Title 24, Part 1, Section 4-335.
- B. Responsibilities of DSA-Certified and -Approved Independent Agency (Testing Laboratory):
 1. Testing Laboratory shall provide qualified personnel at the project site and other locations where Work of the Contract is performed.
 2. Testing Laboratory shall cooperate with Owner, Architect and Contractor when performing testing and inspection services.
 3. Testing Laboratory shall perform observations, inspections, sampling and testing of products in compliance with requirements of the Contract Documents and authorities having jurisdiction, including Division of the State Architect (DSA).
 4. Duties of the Testing Laboratory shall be as described and required by the following:
 - a. California Code of Regulations (CCR), Title 24, Part 1, Section 4-335.

- b. California Education Code Section 39151.
 - c. California Education Code Section 39153.
 5. Testing Laboratory shall determine whether materials, mixes, products, application and installation procedures, characteristics of completed Work comply with requirements of the Contract Documents.
 6. Contractor shall pay for the following:
 - a. Mileage and travel time for quality control services by Testing Laboratory when travel of more than 50 miles from the project site is required.
 - b. Overtime pay for personnel of Testing Laboratory when observations, inspections or tests are required after normal, established working hours.
 - c. All costs for repeated observations, reinspection or retesting by Testing Laboratory due to non-conforming Work.
 - d. Owner will deduct such costs from the final payment (or funds due and payable) under the Contract. Contract Sum will be adjusted accordingly by Change Order.
 7. Contractor shall make the Work in all stages of progress available for personal and continuous observation by the Testing Laboratory.
 - a. Testing Laboratory shall have free access to any and all parts of the Work at all times.
 - b. Contractor shall provide the Testing Laboratory with reasonable facilities for Testing Laboratory to obtain such information as Testing Laboratory determines is necessary for Testing Laboratory to be kept fully informed of the progress and manner of performance of the Work and character of products, according to Testing Laboratory's duties and responsibilities.
 - c. Observation and inspection of the Work by Testing Laboratory shall not relieve Contractor from any obligation to fulfill the requirements of the Contract.
- C. Required Tests and Inspections: Tests and inspections of the following are required.
1. Excavations, Foundations and Retaining Walls: California Building Code (CBC), Chapter 33 and Appendix Chapter 33.

<u>Test or Inspection</u>	<u>Reference</u>
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 2. Concrete: California Building Code (CBC), Chapter 19A.

<u>Test or Inspection</u>	<u>Reference</u>
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- | | | |
|--|--|--|
| 4) | Batch plant inspection | 1929A.4 |
| 5) | Waiver of batch plant inspection and tests | 1929A.5 and 1929A.6 |
| b. Concrete Quality | | |
| 1) | Proportions of concrete | 1904A., 1905A.1, 1905A.2, 1905A.3, 1905A.4 and 1905A.1.5 |
| 2) | Strength tests of concrete | 1905A.6 |
| 3) | Splitting tensile tests | 1905A.1.4 and 1905A.1.5 |
| 4) | Composite construction cores | 1929A.8 |
| c. Concrete Inspection | | |
| 1) | Batch plant | 1929A.4 |
| 2) | Job site | 1905A.7 |
| 3) | Waiver of batch plant | 1929A.9 |
| 4) | Reinforcing bar welding inspections | 1929A.12 |
| 3. Masonry: California Building Code (CBC), Chapter 21A. | | |
| | <u>Test or Inspection</u> | <u>Reference</u> |
| a. Materials | | |
| 1) | Masonry units | 2102A.2, 2102A.4, 2102A.5 and 2102A.6 |
| 2) | Portland cement, lime | 2102A.2.2, 2102A.3 and 2103A.2 |
| 3) | Mortar and grout aggregates | 2102A.2.2, 2103A.3 and 2103A.4 |
| 4) | Reinforcing bars | 2102A.2.10, 1903A.5 and 1929A.2 |
| b. Masonry Quality | | |
| 1) | Portland cement tests | 2102A.2 and 1929A.1 |
| 2) | Mortar and grout tests | 2105A.3.4.2 |
| 3) | Masonry prism tests | 2105A.3.2, 2105A.3, 2105A.3.3.3 and 2105A.3.5 |
| 4) | Masonry core tests | 2105A.3.1 |
| 5) | Masonry unit tests | 2105A.3.4.1 and 2105A.6 |
| 6) | Reinforcing bar tests | 1929A.2 |
| c. Masonry Inspections | | |
| 1) | Reinforced masonry | 2105A.7 |
| 2) | Reinforcing bar welding inspection | 1929A.12 |

4. Cold-Formed Light Gauge Steel: California Building Code (CBC), Chapter 20A.

<u>Test or Inspection</u>	<u>Reference</u>
a. Materials	
1) Alloys	2001A.2
2) Identification	2001A.4 and 2203.3
3) Cold-formed steel	2202A.2 and 2213A.1
b. Quality	
1) Cold-formed steel	2231A.1
c. Inspection	
1) Welding	2004A.8

5. Structural Steel: California Building Code (CBC), Chapter 22A.

<u>Test or Inspection</u>	<u>Reference</u>
a. Materials	
1) Structural steel, cold-formed steel	2202A.1 and 2213A.1
2) Material identification	2203A.2
b. Quality	
1) Tests of Structural and Cold-formed Steel	2231A.1
2) Tests of high-strength bolts, nuts and washers	2231A.2
3) Tests of end-welded studs	2231A.3
4) Non-destructive weld testing	1703A (Special Inspection)
c. Inspection	
1) Shop fabrication	2231A.1
2) Welding	2231A.5
3) End-welded studs (Nelson studs)	2231A.5
4) High-strength bolt installation	2231A.6

6. Wood: California Building Code (CBC), Chapter 23A.

<u>Test or Inspection</u>	<u>Reference</u>
a. Materials	
1) Lumber and plywood grading	2303A.1 and 2304A
2) Glued-laminated members	2316A.2 and 2306A.2(28)
b. Wood inspection	
1) Glue-laminated fabrication	2337A.1
2) Timber connectors	2337A.2

3) Manufactured trusses

2337A.3

- D. Inspection and Test Reports: After each inspection and test, Testing Laboratory will promptly prepare and issue verified reports, in compliance with California Code of Regulations (CCR), Part 1, Title 24, Sections 4-336 and 4-343.
1. Reports shall clearly identify the following:
 - a. Date issued.
 - b. Project title (name), DSA Application and File numbers and identifying numbers of Owner and Architect.
 - c. Name of inspector.
 - d. Date and time of observation, inspection, testing or sampling.
 - e. Identification of product by Specifications Section number and title, and paragraph reference(s).
 - f. Location in Project where observation, inspection or sampling was conducted.
 - g. Type of observation, inspection or test.
 - h. Ambient conditions when observation, inspection, testing or sampling occurred.
 - i. Results of observation, inspection, testing or sampling.
 - j. Statement that observation, inspection, testing or sampling was conducted in compliance with Parts 1 and 2, Title 24, California Code of Regulations (CCR).
 - k. Indication of specified or required values and statement whether test results indicate compliance with Contract requirements.
 - l. Comments or professional opinion concerning conformance with Contract Documents and other requirements. Include recommendation for re-testing, if applicable.
 - m. Signature of Registered Professional Engineer, licensed in California, affirming the information provided in the report.
 2. Samples taken but not tested shall be reported.
 3. When requested by Architect, Testing Laboratory will provide interpretations of inspection and test results.
 4. Verification reports shall be prepared and submitted, stating that all inspections and tests specified or otherwise required by the Contract Documents and applicable requirements of authorities having jurisdiction for the Project, have been completed and that material and workmanship comply with the Contract Documents.
 - a. Such verification reports shall be submitted at intervals not exceeding 6 months, at Substantial Completion of the Project, and at all times when Work of Project is suspended.
 - b. Submit verification reports to parties as specified for reports of inspections and tests.

- E. Submission of Reports: Testing Laboratory will promptly submit one copy of each report of observations, inspections, sampling and testing to the following:
 - 1. Owner.
 - 2. Contractor.
 - 3. Project Inspector.
 - 4. Architect.
 - 5. Architect's consultant (design professional of record), as appropriate to the Work: Structural engineer, mechanical engineer and electrical engineer.
 - 6. Division of the State Architect (DSA).
- 1.10 INSPECTIONS AND TESTS BY SERVING UTILITIES
 - A. Inspections and Tests by Serving Utilities:
 - 1. Contractor shall cause all tests and inspections required by serving utilities to be made for Work under this Contract.
 - 2. Except as specifically noted, scheduling, coordinating, conducting and paying for such inspections shall be solely the Contractor's responsibility.
 - 3. Unless otherwise specified, inspections and tests by authorities having jurisdiction shall be included in Contract Time and Contract Sum.
- 1.11 INSPECTIONS AND TESTS BY PRODUCT MANUFACTURERS
 - A. Inspections and Tests by Product Manufacturers:
 - 1. Contractor shall cause all tests and inspections specified or required to be conducted by product manufacturers or authorized representatives of product manufacturers to be made.
 - 2. Additionally, Contractor shall cause all tests and inspections required by product manufacturers or installer/applicator as conditions of guarantee, warranty or certification of Work to be made, the cost of which shall be included in the Contract Sum. Provide reports in format and with content comparable to that specified under Article titled "INSPECTIONS BY DSA-CERTIFIED AND -APPROVED INDEPENDENT TESTING LABORATORY."
 - B. Reports of Inspections and Tests by Product Manufacturers: Contractor shall provide reports in format and with content comparable to that specified under Article titled "INSPECTIONS BY DSA-CERTIFIED AND APPROVED INDEPENDENT TESTING LABORATORY."
- 1.12 CONTRACTOR'S RESPONSIBILITIES FOR OBSERVATIONS, INSPECTIONS AND TESTS
 - A. Contractor's Responsibilities for Observations, Inspections and Tests:
 - 1. Contractor shall notify Testing Laboratory, Project Inspector, and product manufacturer, as applicable, 24 hours in advance of expected time for operations requiring inspection and testing services.

2. Contractor shall deliver to Testing Laboratory or designated location, adequate samples of materials proposed to be used which require advance testing, together with proposed mix designs.
 3. Contractor shall cooperate with Owner, Architect, and Architect's consultants, as applicable, Testing Laboratory, Project Inspector and product manufacturer in the conduct of inspections and tests. Contractor shall provide access to Work areas and off-site fabrication and assembly locations, including during weekends and after normal work hours.
 4. Contractor shall provide incidental labor and facilities as necessary to ensure safe access to Work to be tested and inspected, to obtain and handle samples at the Project site or at source of products to be tested, and to store and cure test samples.
 5. Contractor shall provide, at least 15 days in advance of first test or inspection of each type, a schedule of tests or inspections indicating types of tests or inspections and their scheduled dates.
- B. Additional Tests: Costs for additional tests, inspections and related services, due to the following, shall be reimbursed to Owner by Contractor and no change in Contract Time shall result.
1. Failure to properly schedule or notify Testing Laboratory, Project Inspector or other responsible testing and inspection agency, manufacturer and authorities having jurisdiction.
 2. Changes in sources, lots or suppliers of products after original tests or inspections.
 3. Changes in means, methods, techniques, sequences and procedures of construction which necessitate additional observation, inspection, testing, sampling and related services.
 4. Changes in mix designs, such as those for concrete, mortar and plaster, after review and acceptance of submitted mix design.
 5. Re-testing caused by a failed test or inspection.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION

01 60 00 – PRODUCT REQUIREMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. General characteristics of products.
- B. Product options.
- C. Substitutions.
- D. System completeness.
- E. Transportation and handling requirements.
- F. Storage and protection of products.
- G. Installation of products.

PART 2 - PRODUCTS

2.1 GENERAL PRODUCT REQUIREMENTS

- A. Products, General: Items purchased for incorporation in the Work, whether purchased for the Project or taken from previously purchased stock, and include materials, equipment, assemblies, fabrications and systems.
 - 1. Named Products: Items identified by manufacturer's product name, including make or model designations indicated in the manufacturer's published product data.
 - 2. Materials: Products that are shaped, cut, worked, mixed, finished, refined or otherwise fabricated, processed or installed to form a part of the Work.
 - 3. Equipment: A product with operating parts, whether motorized or manually operated, that requires connections such as wiring or piping.
- B. Specific Product Requirements: Refer to requirements of Section 01 45 00 - Quality Control and individual product Specifications Sections in Divisions 2 through 16 for specific requirements for products.
- C. Minimum Requirements: Specified requirements for products are minimum requirements. Refer to general requirements for quality of the Work specified in Section 01 45 00 - Quality Control and elsewhere herein.
- D. Product Selection: Provide products that fully comply with the Contract Documents, are undamaged and unused at installation. Comply with additional requirements specified herein in Article titled "PRODUCT OPTIONS".

- E. Standard Products: Where specific products are not specified, provide standard products of types and kinds that are suitable for the intended purposes and that are usually and customarily used on similar projects under similar conditions. Products shall be as selected by Contractor and subject to review and acceptance by Architect.
- F. Product Completeness: Provide products complete with all accessories, trim, finish, safety guards and other devices and details needed for a complete installation and for the intended use and effect. Comply with additional requirements specified herein in Article titled "SYSTEM COMPLETENESS".
- G. Code Compliance: All products, other than commodity products prescribed by Code, shall have a current ICBO Evaluation Service (ICBO ES) Research Report or CABO National Evaluation Report (NER). Refer to additional requirements specified in Section 01 41 10 - Regulatory Requirements.
- H. Interchangeability: To the fullest extent possible, provide products of the same kind from a single source. Products required to be supplied in quantity shall be the same product and interchangeable throughout the Work. When options are specified for the selection of any of two or more products, the product selected shall be compatible with products previously selected.
- I. Product Nameplates and Instructions:
 - 1. Except for required Code-compliance labels and operating and safety instructions, locate nameplates on inconspicuous, accessible surfaces. Do not attach manufacturer's identifying nameplates or trademarks on surfaces exposed to view in occupied spaces or to the exterior.
 - 2. Provide a permanent nameplate on each item of service-connected or power-operated equipment. Nameplates shall contain identifying information and essential operating data such as the following example:
 - a. Name of manufacturer
 - b. Name of product
 - c. Model and serial number
 - d. Capacity
 - e. Operating and Power Characteristics
 - f. Labels of Tested Compliance with Codes and Standards
 - 3. Refer to additional requirements specified in Division 15 - Mechanical.
 - 4. For each item of service-connected or power-operated equipment, provide operating and safety instructions, permanently affixed and of durable construction, with legible machine lettering. Comply with all applicable requirements of authorities having jurisdiction and listing agencies.
- J. Mechanical Product Requirements: Comply with requirements specified Division 23 - Mechanical.
- K. Electrical Product Requirements: Comply with requirements specified in Division 26 - Electrical.

2.2 PRODUCT OPTIONS

- A. Products Specified by Description: Where Specifications describe a product, listing characteristics required, with or without use of a brand name, provide a product that has the specified attributes and otherwise complies with specified requirements.
- B. Products Specified by Performance Requirements: Where Specifications require compliance with performance requirements, provide product(s) that comply and are recommended by the manufacturer for the intended application. Verification of manufacturer's recommendations may be by product literature or by certification of performance from manufacturer.
- C. Products Specified by Reference to Standards: Where Specifications require compliance with a standard, provided product shall fully comply with the standard specified.
- D. Products Specified by Identification of Manufacturer and Product Name or Number:
 - 1. "Specified Manufacturer": Provide the specified product(s) of the specified manufacturer.
 - a. If only one manufacturer is specified, without "acceptable manufacturers" being identified, provide only the specified product(s) of the specified manufacturer.
 - b. If the phrase "or equal" is stated or reference is made to the "or equal provision," products of other manufacturers may be provided if such products are equivalent to the specified product(s) of the specified manufacturer. Equivalence shall be demonstrated by submission of information in compliance with requirements specified herein under the Article titled "SUBSTITUTIONS."
 - 2. "Acceptable Manufacturers": Product(s) of the named manufacturers, if equivalent to the specified product(s) of the specified manufacturer, will be acceptable in accordance with the requirements specified herein in the Article titled "SUBSTITUTIONS", except considerations regarding changes in Contract Time and Contract Sum will be waived if no increase in Contract Time or Contract Sum results from use of such equivalent products.
 - 3. Unnamed manufacturers: Products of unnamed manufacturers will be acceptable only as follows:
 - a. Unless specifically stated that substitutions will not be accepted or considered, the phrase "or equal" shall be assumed to be included in the description of specified product(s). Equivalent products of unnamed manufacturers will be accepted in accordance with the "or equal" provision specified herein, below.
 - b. If provided, products of unnamed manufacturers shall be subject to the requirements specified herein in the Article titled "SUBSTITUTIONS."
 - 4. Quality basis: Specified product(s) of the specified manufacturer shall serve as the basis by which products by named acceptable manufacturers and products of unnamed manufacturers will be evaluated. Where characteristics of the specified product are described, where performance characteristics are identified or where reference is made to industry standards, such characteristics are specified to facilitate evaluation of products by identifying the most significant attributes of the specified product(s).
- E. Products Specified by Combination of Methods: Where products are specified by a combination of attributes, including manufacturer's name, product brand name, product catalog or identification number, industry reference standard, or description of product characteristics, provide products conforming to all specified attributes.

- F. "Or Equal" Provision: Where the phrase "or equal" or the phrase "or approved equal" is included, product(s) of unnamed manufacturer(s) may be provided as specified above in subparagraph titled "Unnamed manufacturers."
1. The requirements specified herein in the Article titled "SUBSTITUTIONS" shall apply to products provided under the "or equal" provision except, if the proposed product(s) are determined to be equivalent to the specified product(s) of the specified manufacturer, the requirement specified for substitutions to result in a net reduction in Contract Time or Contract Sum will be waived.
 2. Use of product(s) under the "or equal" provision shall not result in any delay in completion of the Work, including completion of portions of the Work for use by Owner or for work under separate contract by Owner.
 3. Use of product(s) under the "or equal" provision shall not result in change in Contract Sum and Contract Time. Should additional costs be incurred, including costs for re-design and for fees for plancheck review and permit, costs shall be paid by Contractor with no change in Contract Sum and Contract Time.
 4. Use of product(s) under the "or equal" provision shall not require substantial change in the intent of the design, in the opinion of the Architect. The intent of the design shall include functional performance and aesthetic qualities.
 - a. Should changes in dimensions, configurations, locations and interfaces between products be necessary due to use of other than the specified products of the specified manufacturer, such changes shall be made by the Contractor, subject to review by the Architect and, if applicable, approval by the Division of the State Architect (DSA), at no change in Contract Sum and Contract Time.
 5. The determination of equivalence will be made by the Architect and such determination shall be final.
- G. Visual Matching: Where Specifications require matching a sample, the decision by the Architect on whether a proposed product matches shall be final. Where no product visually matches but the product complies with other requirements, comply with provisions for substitutions for selection of a matching product in another category.
- H. Selection of Products: Where requirements include the phrase "as selected from manufacturer's standard colors, patterns and textures", or a similar phrase, selections of products will be made by indicated party or, if not indicated, by the Architect. The Architect will select color, pattern and texture from the product line of submitted manufacturer, if all other specified provisions are met.

2.3 SUBSTITUTIONS

- A. Substitutions: Requests by Contractor to deviate from specified requirements for products, materials, equipment, and methods, or to provide products other than those specified, shall be shall be considered requests for substitutions except under the following conditions:
1. Substitutions are requested during the bidding period, and accepted prior to execution of the Contract. Acceptance shall be in the form of written Addendum to the Bidding documents or revision to the Drawings or Specifications for use as Construction Contract Documents.
 2. Changes in products, materials, equipment, and methods of construction are directed by the Owner or Architect.

3. Contractor options for provision of products and construction methods are specifically stated in the Contract Documents.
 4. Change in products, materials, equipment, and methods of construction are required for compliance with Codes, ordinances, regulations, orders and standards of authorities having jurisdiction.
- B. Substitution Provisions: Refer to substitution provisions of the Bidding and Contract Requirements, in addition to the requirements specified herein. Provisions for consideration and acceptance of substitutions shall be as follows:
1. Documentation: Substitutions will not be considered if they are indicated or implied on shop drawing, product data or sample submittals. All requests for substitution shall be by separate written request from Contractor. Contractor shall utilize Substitution Request form provided by Owner.
 2. Cost and Time Considerations: Substitutions will not be considered unless a net reduction in Contract Sum or Contract Time results to the Owner's benefit, including redesign costs, life cycle costs, plancheck and permit fees, changes in related Work and overall performance of building systems.
 3. Design Revision: Substitutions will not be considered if acceptance will require substantial revision of the Contract Documents or will substantially change the intent of the design, in the opinion of the Architect. The intent of the design shall include functional performance and aesthetic qualities.
 4. Data: It shall be the responsibility of the Contractor to provide adequate data demonstrating the merits of the proposed substitution, including cost data and information regarding changes in related Work.
 5. Determination by Architect: Architect will determine the acceptability of proposed substitutions and will notify Contractor, in writing within a reasonable time, of acceptance or rejection. The determination by the Architect regarding functional performance and aesthetic quality shall be final.
 6. Non-Acceptance: If a proposed substitution is not accepted, Contractor shall immediately provide the specified product.
 7. Substitution Limitation: Only one request for substitution will be considered for each product.
- C. Request for Substitution Process:
1. Contractor shall prepare a request for substitution and submit the request to the Architect for review and acceptance. Submit a minimum of 4 copies. Form and other administrative requirements shall be as directed by the Architect.
 2. Substitution requests shall include complete product data, including drawings and descriptions of products, fabrication details and installation procedures. Include samples where applicable or requested.
 3. Substitution requests shall include appropriate product data for the specified product(s) of the specified manufacturer, suitable for use in comparison of characteristics of products.
 - a. Include a written, point-by-point comparison of characteristics of the proposed substitute product with those of the specified product.

- b. Include a detailed description, in written or graphic form as appropriate, indicating all changes or modifications needed to other elements of the Work and to construction to be performed by the Owner and by others under separate contracts with Owner, that will be necessary if the proposed substitution is accepted.
- 4. Substitution requests shall include a statement indicating the substitution's effect on the Construction Schedule. Indicate the effect of the proposed substitution on overall Contract Time and, as applicable, on completion of portions of the Work for use by Owner or for work under separate contracts by Owner.
- 5. Except as otherwise specified, substitution requests shall include detailed cost data, including a proposal for the net change, if any, in the Contract Sum.
- 6. Substitution requests shall include signed certification that the Contractor has reviewed the proposed substitution and has determined that the substitution is equivalent or superior in every respect to product requirements indicated or specified in the Contract Documents, and that the substitution is suited for and can perform the purpose or application of the specified product indicated or specified in the Contract Documents.
- 7. Substitution requests shall include a signed waiver by the Contractor for change in the Contract Time or Contract Sum because of the following:
 - a. Substitution failed to perform adequately.
 - b. Substitution required changes in on other elements of the Work.
 - c. Substitution caused problems in interfacing with other elements of the Work.
 - d. Substitution was determined to be unacceptable by authorities having jurisdiction.
- 8. If, in the opinion of the Architect, the substitution request is incomplete or has insufficient data to enable a full and thorough review of the intended substitution, the substitution may be summarily refused and determined to be unacceptable.

D. Contract Document Revisions:

- 1. Should a Contractor-proposed substitution or alternative sequence or method of construction require revision of the Contract Drawings or Specifications, including revisions for the purposes of determining feasibility, scope or cost, or revisions for the purpose of obtaining review and approval by authorities having jurisdiction, revisions will be made by Architect or other consultant of Owner who is the responsible design professional, as approved in advance by Owner.
- 2. Services of Architect or other responsible design professional for researching and reporting on proposed substitutions or alternative sequence and method of construction shall be paid by Contractor when such activities are considered additional services to the design services contracts of the Owner with Architect or other responsible design professional.
- 3. Costs of services by Architect or other responsible design professional of the Owner shall be paid on a time and materials basis, based on current hourly fee schedules, with reproduction, long distance telephone and shipping costs reimbursable at cost plus usual and customary mark-up for handling and billing.

4. Such fees shall be paid whether or not the proposed substitution or alternative sequence or method of construction is ultimately accepted by Owner and a Change Order is executed.
5. Such fees shall be paid from Contractor's portion of savings, if a net reduction in Contract Sum results. If fees exceed Contractor's portion of net reduction, Contractor shall pay all remaining fees unless otherwise agreed in advance by Owner.
6. Such fees owed shall be deducted from the amount owed Contractor on the Application for Payment next made following completion of revised Contract Drawings and Specifications or completion of research and other services. Owner will then pay Architect or other consultant of the Owner.

2.4 SYSTEM COMPLETENESS

A. System Completeness:

1. The Contract Drawings and Specifications are not intended to be comprehensive directions on how to produce the Work. Rather, the Drawings and Specifications are instruments of service prepared to describe the design intent for the completed Work.
2. It is intended that all equipment, systems and assemblies be complete and fully functional even though not fully described. Provide all products and operations necessary to achieve the design intent described in the Contract Documents.
3. Refer to related general requirements specified in Section 01 41 10 - Regulatory Requirements regarding compliance with minimum requirements of applicable codes, ordinances and standards.

B. Omissions and Misdescriptions: Contractor shall report to Architect immediately when elements essential to proper execution of the Work are discovered to be missing or misdescribed in the Drawings and Specifications or if the design intent is unclear.

1. Should an essential element be discovered as missing or misdescribed prior to receipt of Bids, an Addendum will be issued so that all costs may be accounted for in the Contract Sum.
2. Should an obvious omission or misdescription of a necessary element be discovered and reported after execution of the Agreement, Contractor shall provide the element as though fully and correctly described, and a no-cost Change Order shall be executed.

2.5 TRANSPORTATION, DELIVERY AND HANDLING

A. Transportation, Delivery and Handling, General: Comply with manufacturer's instructions and recommendations for transportation, delivery and handling, in addition to the following.

B. Transportation: Transport products by methods to avoid product damage.

C. Delivery:

1. Schedule delivery to minimize long-term storage and prevent overcrowding construction spaces. Coordinate with installation to ensure minimum holding time for items that are flammable, hazardous, easily damaged, or sensitive to deterioration, theft and other losses.

2. Deliver products in undamaged condition in manufacturer's original sealed container or packaging system, complete with labels and instructions for handling, storing, unpacking, protecting and installing.

D. Handling:

1. Provide equipment and personnel to handle products by methods to prevent soiling, marring or other damage.
2. Promptly inspect products on delivery to ensure that products comply with contract documents, quantities are correct, and to ensure that products are undamaged and properly protected.

2.6 STORAGE AND PROTECTION

A. Storage and Protection, General: Store and protect products in accordance with manufacturer's instructions, with seals and labels intact and legible.

1. Periodically inspect to ensure products are undamaged, and are maintained under required conditions.
2. Products damaged by improper storage or protection shall be removed and replaced with new products at no change in Contract Sum or Contract Time.
3. Store sensitive products in weathertight enclosures.

B. Inspection Provisions: Arrange storage to provide access for inspection and measurement of quantity or counting of units.

C. Structural Considerations: Store heavy materials away from the structure in a manner that will not endanger supporting construction.

D. Weather-Resistant Storage:

1. Store moisture-sensitive products above ground, under cover in a weathertight enclosure or covered with an impervious sheet covering. Provide adequate ventilation to avoid condensation.
2. Maintain storage within temperature and humidity ranges required by manufacturer's instructions.
3. For exterior storage of fabricated products, place products on raised blocks, pallets or other supports, above ground and in a manner to not create ponding or misdirection of runoff. place on sloped supports above ground.
4. Store loose granular materials on solid surfaces in a well-drained area. Prevent mixing with foreign matter.

E. Protection of Completed Work:

1. Provide barriers, substantial coverings and notices to protect installed Work from traffic and subsequent construction operations.
2. Remove protective measures when no longer required and prior to Substantial Completion review of the Work.

PART 3 - EXECUTION

3.1 INSTALLATION OF PRODUCTS

A. Installation of Products:

1. Comply with manufacturer's instructions and recommendations for installation of products, except where more stringent requirements are specified, are necessary due to Project conditions or are required by authorities having jurisdiction.
2. Anchor each product securely in place, accurately located and aligned with other Work.
3. Clean exposed surfaces and provide protection to ensure freedom from damage and deterioration at time of Substantial Completion review.

END OF SECTION

01 73 29 – CUTTING AND PATCHING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 Section includes:

- A. Requirements and limitations for cutting and patching of Work.

PART 2 - PRODUCTS

- 2.1 Patching Materials, General: As required for original installation and to match surrounding construction.
- 2.2 Product Substitution: For each proposed change in materials, submit request for substitution under provisions of Section 01 60 00 - Product Requirements.

PART 3 - EXECUTION

- 3.1 Paving: At portland cement concrete paving, use concrete mix with maximum 3/8-inch aggregate and minimum 3000 psi 28-day compressive strength. Provide dowels to existing paving and reinforce new paving with minimum No. 3 reinforcing steel bars at 16 inches on center each way. Welded wire fabric reinforcement will not be acceptable.
- 3.2 Lawns and grasses: Restore areas trenched, disturbed or damaged. Provide sod or seeded planting mix, to match existing lawn or grass area.
- 3.3 Irrigation system: Restore by repair and replacement, as necessary, irrigation system affected by Work under the Contract.
- 3.4 Building finish materials: Match existing products and finishes. Confirm colors, patterns and textures with Architect. Custom cut new materials to fit and to match joint patterns with existing materials.
- 3.5 Ceramic tile and acoustical panels: Custom cut new materials to size to match existing construction.

END OF SECTION

DIVISION 02 – EXISTING CONDITIONS

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements.

02 41 00 – DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES:

- A. Demolition and removal of portions of existing building, as indicated on Drawings.
- B. Demolition and removal of site improvements such as pavement (including walkways), landscaping, electrical, etc.
- C. Removal of building utility services, such as power and signal circuits and including capping and identification.
- D. Removal of designated building equipment and fixtures.
- E. Removal of designated walls, partitions and components, including cutting of new openings in existing construction for new doors, plumbing HVAC and electrical components.
- F. Handling and disposal of removed materials.
- G. Temporary partitions to allow continued building occupancy.
- H. Removal and protection of existing fixtures, materials, and equipment items indicated as "salvage."

1.3 QUALITY ASSURANCE

- A. Regulatory Requirements: Comply with specific requirements of California Building Code (CBC) and requirements of serving utilities.
 - 1. Notify affected utility companies before starting demolition Work and comply with their requirements.
 - 2. Notify Architect and Inspector of Record before starting demolition Work and comply with Owner's directions through Architect for barriers, noise abatement and dust control.
 - 3. Do not close or obstruct walkways, passageways, roadways and fire hydrants without permits.
 - 4. Conform to applicable regulatory procedures should hazardous or contaminated materials be encountered.
- B. Pre-Construction Conference:
 - 1. Convene a conference at the Project site 7 days prior to starting demolition to review the Drawings and Specifications, requirements of authorities having jurisdiction, instructions and requirements of serving utilities, sequencing and interface considerations and project conditions.

2. Conference shall be attended by supervisory and quality control personnel of Contractor and all subcontractors performing this and directly-related Work.
3. Submit minutes of meeting to Owner and Architect for Project record purposes.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION

3.1 PREPARATION

A. Preparation for Demolition:

1. Erect and maintain weatherproof closures for exterior openings.
2. Erect and maintain temporary partitions or barriers to prevent spread of dust, fumes, noise, and smoke to provide for continued occupancy of facility by Owner.
3. Protect existing construction which is not indicated to be altered.

B. Protection: Protect existing construction and adjacent areas with temporary barriers and security devices.

1. Review location and type of construction of temporary barriers with Owner's Representative and public safety authorities having jurisdiction.
2. Barriers shall control dust, debris and provide protection for building occupants in adjacent spaces from construction activities.
3. Maintain protected egress and access at all times, in compliance with requirements of authorities having jurisdiction.

3.2 CONTINUED OPERATION

A. Contractor shall maintain access to parking lots and buildings that are not closed and not part of the project.

B. Contractor shall provide protective barriers and tunnels as necessary to protect occupants of buildings and paths of travel.

3.3 DEMOLITION

A. Selective Demolition of Building Elements:

1. Use techniques acceptable to Owner's Representative and authorities having jurisdiction, and which will achieve intended results and provide protection of surrounding features to remain.
2. Some items may have been demolished prior to Work of this Contract. Verify existing conditions prior to start of demolition. If items are in the process of demolition or have been demolished by others, notify Owner's Representative for directions.
3. Some items may require postponement of demolition until late in Contract Time period.
4. Phase demolition as necessary to provide adequate interfacing of related Work.

5. Demolish in an orderly and careful manner. Protect existing foundation supporting structural members, utility structures and finish materials to remain.
6. Remove, store, and protect equipment and materials to be re-installed in manner to prevent damage from soiling, moisture, marring, denting, scratching, distortion and impacts.
7. Protect materials and equipment to remain in place.

B. Building Services and Utilities Demolition:

1. Disconnect, remove, and cap designated building services and utilities within Project area. Minimize effect on portions of services and utilities to remain.
2. Mark location of disconnected building services and utilities. Identify and indicate capping locations on project record drawings.
3. Coordinate cutting and capping sequences and procedures to minimize disruption of activities in adjacent spaces.

C. Cutting and Patching:

1. Refer to requirements specified in Section 01 73 29 - Cutting and Patching.

3.4 SALVAGED MATERIALS

A. Ownership: Unless otherwise indicated, all materials demolished and removed shall become property of Contractor.

B. Disposal of Materials: Contractor shall haul and dispose of all demolished and removed materials to offsite disposal sites in a legal manner.

1. Except where noted otherwise, immediately remove demolished materials from site.
2. Promptly remove from the site and properly dispose of all contaminated, vermin infested, or dangerous materials encountered.

C. Salvage:

1. Contractor shall take care when removing salvageable material to avoid damaging the material itself and building components that are to remain.
2. Items of salvable value to the Contractor shall be removed from the site by the Contractor as the Work progresses and transported from the site as they are removed. Storage or sale of salvaged items on the site by the Contractor will not be permitted.

END OF SECTION

DIVISION 03 – CONCRETE

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements.

03 10 00 – CONCRETE FORMING AND ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Formwork for cast in place concrete, with shoring, bracing and anchorage.
- B. Forming of openings in concrete for Work specified in other Sections.
- C. Form accessories.
- D. Placement in forms of inserts and embedded products furnished under other Sections.

PART 2 - PRODUCTS

2.1 FORMING MATERIALS

- A. Forming Materials, General: Conform to ACI 301. Provide materials for contact with concrete which will impart suitable surface quality to completed concrete, including the following.
 - 1. Forms for Exposed Finish Concrete: Plywood, metal, metal-framed plywood faced, or other acceptable panel-type materials to provide continuous, straight, smooth, exposed surfaces. Furnish in largest practicable sizes to minimize number of joints and to conform to joint system shown on drawings.
 - 2. Forms for Unexposed Finish Concrete: Plywood, lumber, metal, or another acceptable material. Provide lumber dressed on at least two edges and one side for tight fit. When unexposed concrete is intended to receive waterproofing, provide form as for exposed finish concrete.
- B. Plywood for Form Surfaces:
 - 1. Plywood for Concealed Surfaces: PS 1, undamaged face, minimum APA C-C Plugged EXT or APA Structural I Sheathing.
 - 2. Plywood, for Exposed Surfaces: PS 1, smooth-faced, undamaged, APA A-C or B-B High Density Overlaid Concrete Form, Class I, if forms are intended to be re-used, or PS 1, smooth-faced, undamaged, APA B-B Plyform, Class I. Plywood for exposed surfaces shall be minimum 5/8-inch thick.
- C. Hardboard: For curved surfaces, tempered hardboard, Masonite Corp., or equal.
- D. Lumber: Douglas fir or douglas fir-larch, grade appropriate for intended use, sound and undamaged straight edges, solid knots.
- E. Fillets for Chamfered Corners: Wood molding at plywood or lumber forms; rigid plastic at steel, fiberglass and plastic forms.

- F. Embedded Nailers: Clear all heart redwood or pressure preservative-treated (PPT) douglas fir, edges reverse beveled to key into concrete.
 - G. Tube Forms for Cylindrical Columns and Supports: Sonoco Products Co., Hartsville, SC (803/383-7000), Sonotube Plus Fibre Form, or equal, spirally wound, laminated fiber forms with special liner to eliminate spiral seam marks on finished concrete, Provide units with sufficient wall thickness to resist wet concrete loads without deformation. Or equal
- 2.2 FORMWORK MATERIALS
- A. Formwork Materials, General: Conform to ACI 301. Provide materials to construct formwork to support forming materials in contact with concrete, of sufficient capacity to withstand pressures of concrete placement and to support concrete in place until cured, without distortion.
- 2.3 FORMWORK ACCESSORIES
- A. Form Ties: Factory-fabricated, adjustable-length, removable or snap-off metal form ties designed to prevent form deflection and to prevent spalling of concrete upon removal.
 - 1. Provide units that will leave no metal closer than 1-1/2 inches to the plane of the exposed concrete surface.
 - 2. Provide units that will leave no hole larger than 1 inch diameter.
 - B. Form Release Agent: Commercial formulation form release agent, colorless product with the following characteristics:
 - 1. Will not bond with, stain concrete, absorb moisture or adversely affect concrete surfaces.
 - 2. Will not impair subsequent treatments of concrete surfaces or bond of applied coatings.
 - 3. Complies with applicable air quality regulations for volatile organic compounds (VOCs).

PART 3 - EXECUTION - NOT USED

END OF SECTION

03 20 00 – CONCRETE REINFORCING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Reinforcing steel bars and wire fabric.
- B. Reinforcement accessories.

1.3 SUBMITTALS

- A. Identified Stock: One tensile and one bend test for each 10 tons or fraction thereof for each size of stock identified as to heat number, provided mill analysis accompanies report.
- B. Unidentified Stock: One tensile and one bend test for each 2-1/2 tons of unidentified stock. Cost of tests for unidentified stock shall be reimbursed to Owner by Contractor.

PART 2 - PRODUCTS

2.1 REINFORCEMENT

- A. Reinforcing Steel Bars: Deformed steel, ASTM A 615, grade as indicated in Structural Drawings.
- B. Stirrup Bars: Deformed steel, ASTM A 615, grade as indicated on Structural Drawings.
- C. Reinforcing Steel Bars to be Welded: ASTM A 706, grade as indicated on Structural Drawings.
- D. Welded Steel Wire Fabric: Welded steel wire fabric, Type as indicated in Notes on Structural Drawings, flat sheets, plain finish.

2.2 REINFORCEMENT ACCESSORY MATERIALS

- A. Tie Wire: Minimum 16 gauge annealed type, black or galvanized finish.
- B. Chairs, Bolsters, Bar Supports and Spacers: Wire-bar-type devices, complying with CRSI Manual of Standard Practice, for spacing, supporting and fastening reinforcing in place. Provide size and shape as required for strength and support of reinforcement during reinforcement installation and concrete placement.
 - 1. Supports at Slab on Grade: Provide devices with load-bearing pads or horizontal runners where base material will not support chair legs, to prevent puncture of vapor retarder or provide precast concrete block bar supports of equal or greater strength to specified concrete.

2. Corrosion Resistance:
 - a. Provide plastic coated, plastic-tipped (CRSI, Class 1) or stainless steel types at exposed-to-view concrete surfaces.
 - b. Provide only stainless steel (CRSI Class 2) at exterior exposed surfaces to be painted.

PART 3 - EXECUTION

3.1 REINFORCEMENT FABRICATION

- A. Reinforcement Fabrication, General: Conform to CRSI Manual of Practice, providing required concrete cover as shown on the Structural Drawings.
- B. Splices: See Structural Drawings.
 1. Do not splice bars unless specifically shown on the Structural Drawings.
 2. Where splices are not indicated on Drawings, locate splices at point of minimum stress and review locations with Architect (Structural Engineer) before fabrication and placement. Submit mechanical splice data to Architect (Structural Engineer) for review prior to use.
 3. Splices shall be staggered so that not more than one-third of the reinforcing bars are spliced at any one location.

END OF SECTION

03 30 00 – CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Cast in place reinforced concrete footings, foundations and foundation walls.
- B. Slab on grade interior floors.
- C. Exterior slabs on grade not part of portland cement concrete paving.
- D. Unreinforced cast in place concrete for underground utilities.

1.3 SUBMITTALS

- A. Submit concrete mix design(s) for review.
- B. Submit proposed skateboard deterrents for review.

PART 2 - PRODUCTS

2.1 BASE AND OTHER UNDERSLAB MATERIALS

- A. Granular Base: Crushed aggregate base, evenly graded mixture of fine and coarse aggregates to provide, when compacted, a smooth and even surface below slabs on grade, complying with recommendations of geotechnical (soils) report.
- B. Sand Base: Clean, manufactured or natural sand complying with ANSI/ASTM C 136.

2.2 CONCRETE MATERIALS

- A. Concrete Materials, General: Acquire cement and aggregates from single source for all cast in place concrete.
- B. Portland Cement: ASTM C150, Type I or Type II, gray color. Provide sulfate-resistant type if determined unnecessary by sulfate content tests of soil. Refer to geotechnical report.
- C. Aggregates for Regular Weight Concrete: Fine and coarse aggregates, conforming to ASTM C33, California Building Code (CBC) Section 1903.3, and as follows.
 - 1. Structural Concrete: Maximum size not larger than 1/4 of narrowest dimension between forms, 1/3 depth of slab nor 3/4 of minimum clear spacing between individual reinforcing bars. Maximum aggregate size shall be 1-1/2-inch.
 - 2. Other than Structural Concrete: Conform to requirements for structural concrete except maximum aggregate for mass concrete shall be 1 inch.

- D. Water: Clean, fresh and drinkable, free of amounts of acids, alkalis and organic materials detrimental to concrete production.

2.3 ADMIXTURES

- A. Chemical Admixtures, General: Admixtures which result in more than 0.1 percent of soluble chloride ions by weight of cement are prohibited. Use no admixtures not included in mix design. The following admixtures may be used only with the written acceptance of the Architect (Structural Engineer) and only if they comply with referenced standards all other requirements of the Contract Documents. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 – Product Requirements.
 - 1. Water-Reducing Admixture: ASTM C 494, Type A. Design is based on use of Kel-Crete Admixture, manufactured by Kel-Crete Industries (ICBO ER 5005). Equivalent products will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Provide water-reducing admixture which enhances the characteristics of concrete to extent no less beneficial than the following:
 - a. Water reduction: Not less than 5 percent.
 - b. Increase in compressive strength: Not less than 10 percent at age 28 days.
 - c. Dry shrinkage: At age 21 days, less than concrete without water-reducing admixture.
 - 2. Accelerating or Retarding Admixtures: Conform to ASTM C 494 for Type C or Type B.
 - 3. Air-Entraining Admixture: Conform to ASTM C 260. Admixture shall be certified by manufacturer for compatibility with other mix components. Design is based on use of one of the following:
 - a. Kel-Crete Admixture, manufactured by Kel-Crete Industries.
 - b. Nox-Aire, manufactured by Nox-Crete.
 - 4. Waterproofing: Design is based on use of one of the following:
 - a. Kel-Crete Admixture, manufactured by Kel-Crete Industries.
 - b. Red Label, manufactured by Sika Chemical Corporation.
 - c. Super-Mix, manufactured by Concrete Surface Materials Company.
 - 5. Plasticizer: Conform to ASTM C 494, Type F. Design is based on use of Kel-Crete Admixture, manufactured by Kel-Crete Industries.
 - 6. Superplasticizers:
 - a. Dynatron, as manufactured by Chem-Masters Corporation. Or equal
 - b. Sikament 10 ESL, as manufactured by Chem-Masters Corporation. Or equal
 - c. Plastiflow N, as manufactured by Chem-Masters Corporation. Or equal
 - 7. Pozzolanic (Fly Ash) Materials: Not permitted.

2.4 BONDING COMPOUNDS

- A. Bonding Compounds, General: Products of the following manufacturers are specified and will be acceptable provided they comply with requirements of the Contract Documents. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00:
1. The Burke Co., Buffalo, NY (716/832-5959; local representative, Fountain Valley, CA, 714/556-4510).
 2. Dayton Superior Corporation, Chemical Operations, Oregon, IL (815/732-3136 or 800/745-3707; local office, Santa Fe Springs, CA, 310/946-5504 or 800/745-3701).
 3. Euclid Chemical Co., Cleveland, OH (216/531-9222 or 800/321-7628).
 4. Tamms Industries Co. (A.C. Horn), Mentor, OH (216/974-2399 or 800/218-2667; local representative, Los Angeles, CA, 213/269-1846).
 5. L&M Construction Chemicals, Inc., Omaha, NE (402/453-6600 or 800/362-3331). Or equal
 6. Larsen Products Corp., Rockville, MD (301/770-5200 or 800/633-6668).
 7. Master Builders Technology, Inc., Cleveland, OH, (216/831-5500; local representative, Rancho Cucamonga, CA, 909/466-6267).
 8. W.R. Meadows, Inc., Elgin, IL (700/683-4500; local representative Walnut, CA, 909/469-2606 or 800/342-5976).
 9. Sonneborn Building Products, Division of ChemRex, Inc., Minneapolis, MN (612/835-3434 or 800/433-9517).
 10. Stonhard, Inc., USA, Maple Shade, NJ (800/736-9300).
 11. Thoro System Products, Miami, FL (800/327-1570).
 12. Symons Corporation, Des Plaines, IL (708/298-3200; local representative, Industry, CA, 818/330-6855).
- B. Bonding Compound: Polyvinyl acetate, acrylic or styrene butadiene base. Provide polyvinyl acetate compound at interior locations only. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00.
1. Polyvinyl Acetate (Interior Only):
 - a. Superior Concrete Bonder by Dayton Superior Corp.
 - b. Euco Weld by Euclid Chemical Co.
 - c. Weld-Crete by Larsen Products Corp.
 - d. Everweld by L&M Construction Chemicals, Inc.
 - e. Ready Bond by Symons Corp.
 2. Acrylic or Styrene Butadiene:
 - a. Acrylic Bondcrete by The Burke Co.
 - b. Day-Chem Ad Bond by Dayton Superior Corp.
 - c. SBR Latex by Euclid Chemical Co.

- d. Hornweld by Tamms Industries Co. (A.C. Horn).
- e. Everbond by L&M Construction Chemicals, Inc.
- f. Acryl-Set by Master Builders Inc.
- g. Intralok by W.R. Meadows, Inc.
- h. Sonocrete by Sonneborn.
- i. Stonlock LB2 by Stonhard, Inc.
- j. Strong Bond by Symons Corp.

2.5 CURING, HARDENING AND SEALING MATERIALS

- A. Specified Manufacturer: Sonneborn Building Products, Division of ChemRex, Inc., Minneapolis, MN (612/835-3434 or 800/433-9517).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. The Burke Co., Buffalo, NY (716/832-5959; local representative, Fountain Valley, CA, 714/556-4510).
 - 2. Dayton Superior Corporation, Chemical Operations, Oregon, IL (815/732-3136 or 800/745-3707; local office, Santa Fe Springs, CA, 310/946-5504 or 800/745-3701).
 - 3. Euclid Chemical Co., Cleveland, OH (216/531-9222 or 800/321-7628).
 - 4. Fortifiber Corp., Los Angeles, CA (213/268-6783 or 800/443-4079).
 - 5. L&M Construction Chemicals, Inc., Omaha, NE (402/453-6600 or 800/362-3331).
 - 6. Larsen Products Corp., Rockville, MD (301/770-5200 or 800/633-6668).
 - 7. Master Builders Technology, Inc., Cleveland, OH, (216/831-5500; local representative, Rancho Cucamonga, CA, 909/466-6267).
 - 8. W.R. Meadows, Inc., Elgin, IL (700/683-4500; local representative Walnut, CA, 909/469-2606 or 800/342-5976).
 - 9. Sonneborn Building Products, Division of ChemRex, Inc., Minneapolis, MN (612/835-3434 or 800/433-9517).
 - 10. Stonhard, Inc., USA, Maple Shade, NJ (800/736-9300).
 - 11. Tamms Industries Co. Div. of LaPorte Construction Chemicals of North America, Inc., Kirkland, IL (815/522-3394 or 800/218-2667).
 - 12. Thoro System Products, Miami, FL (800/327-1570).
 - 13. Symons Corporation, Des Plaines, IL (708/298-3200; local representative, Industry, CA, 818/330-6855).
- C. Curing, Hardening and Sealing Materials, General: Provide materials suitable for concrete finish and not detrimental to materials to be applied to concrete. Materials shall be compatible with concrete admixtures, shall be recommended by manufacturer for intended

use and shall comply with applicable air quality requirements of authorities having jurisdiction.

- D. Concrete Curing Compounds: None specified. Concrete curing shall be by moist curing using moisture-retaining cover method only and not by using curing compounds.
 - E. Moisture-Retaining Cover: One of the following, complying with ASTM C 171, for moist curing of concrete. Add water-absorbing blanket-type curing material such as carpet, for placement on top of sheeting to ensure moisture retention under severe sun exposure and high heat.
 - 1. Waterproof paper: ASTM C 171, non-staining reinforced type, Sisalkraft Orange Label by Fortifiber Corp., or equal.
 - 2. Polyethylene film: 6 mil clear polyethylene sheet.
 - 3. White burlap-polyethylene sheeting: White burlap-polyethylene sheeting, Burlene brand or equal, complying with ASTM C 171, for contact with concrete surface.
 - F. Concrete Hardening and Sealing Compound, Natural Color Concrete: For exposed, natural color floor slabs in service areas, where indicated on the Drawings as "Sealed", Sonneborn Lapidolith concrete hardening compound, chemically-active solution which interacts with free lime in concrete to form dense, impervious wearing surface.
- 2.6 JOINT DEVICES, FILLER MATERIALS AND OTHER ACCESSORY PRODUCTS
- A. Cold (Construction) Joints: Keyed Kold by The Burke Group, Inc., or approved equivalent, formed 24 gauge galvanized steel joint form, with Keyed Kold stakes.
 - B. Control (Contraction) Joints: Preformed joint materials are not required. Sawcut joints after concrete placement and finishing.
- 2.7 SKATEBOARD DETERRENTS
- A. All retaining walls, benches, or any other features of 48" in height or less must have an architectural dentil block or notch every 36 inches maximum to interrupt the continuous edge. Each block or notch must be a minimum of 1.5 inches wide with square corners and protrude or indent a minimum of .75 inches. Add-on deterrents are acceptable if incorporated into the scope and construction, and approved in writing by the district in advance.

PART 3 - EXECUTION

3.1 CONCRETE MIX DESIGN

- A. Concrete Mix Design: Comply with California Building Code (CBC) Sections 1905A.2, 1905A.3 and 1905A.4.
 - 1. Concrete supplier shall determine mix designs and shall provide test results for each proposed mix design to establish the following:
 - a. Gross weight and yield per cubic yard of trial mixes.
 - b. Measured slump.
 - c. Measured air content.

- d. Compressive strength developed at 7 days and 28 days, from not less than 3 test cylinders cast for each 7-day and 28-day test, and for each design mix.
- 2. Provide concrete for the following characteristics:
 - a. 7-day compressive strength shall be at least 60 percent of required 28-day strength.
 - b. 28-day compressive strength for structural concrete shall have a minimum compressive strength of 3,000 psi. For slabs on grade concrete, mix shall have minimum of 5-1/2 sacks of portland cement per cubic yard.
 - c. 28-day compressive strength for non-structural concrete shall be as follows:
 - 1) Equipment pads, site appurtenances, exterior concrete slabs on grade and utility structures: Not less than 3,000 psi.
 - 2) Pipe and conduit encasement: Not less than 2,000 psi.
 - d. Water-cement ratio shall not exceed 0.6 for all concrete, except interior slabs on grade shall not exceed 0.42. Comply with California Building Code (CBC) Section 1904A, Table 19A-A-2 and Table 19A-A-4.
 - e. Chloride content of the entire mix shall not exceed 0.06 percent by volume.
- B. Selection of Proportions:
 - 1. The proportioning of ingredients shall be such that the concrete can be readily worked into forms and around reinforcement under conditions of placement to be employed, without segregation or excessive bleeding.
 - 2. The acceptability of the mix proportions shall be determined by either laboratory trial batch or field experience methods, as specified in California Building Code (CBC) Section 1905A.3.
 - 3. Proportioning by weight of loose, dry material, 94 pounds of cement shall be considered 1 cubic foot.
 - 4. Fine aggregate volume shall be at least 35 percent, with a maximum of 50 percent, of the sum of the separate fine and coarse aggregate volumes.
 - 5. Weighing equipment shall be accurate within 1 pound and be adjustable for varying aggregate moisture content.
 - 6. A beam auxiliary shall register any part of the last 100 pounds of each aggregate. The aggregate hopper shall have a volume adjustment.

END OF SECTION

03 54 13 – GYPSUM CEMENT UNDERLAYMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Self-leveling underlayment concrete for topping existing floor surfaces.
- B. Underlayment concrete for leveling and filling existing floor surfaces.
- C. Concrete patching compound for crack and joint filling, and small area filling.
- D. Related primers and additives.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Ardex, Inc., Coraopolis, PA (412/264-4240; West Coast office, Garden Grove, CA 714/894-2424). Or Equal
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Sonneborn Building Products, Minneapolis, MN (612/835-3434 or 800/243-6739).
 - 2. Dayton Superior Corp., Miamisburg, OH (513/866-0711 or 800/745-3700).
 - 3. Symons Corp., Des Plaines, IL (708/298-3200 or 800/800-7966).

2.2 SELF-LEVELING UNDERLAYMENT

- A. Self-Leveling Underlayment: Ardex K-15 Self-Leveling Underlayment, self-leveling, cementitious floor underlayment to level concrete, ceramic tile and adhesive-contaminated subfloors, from featheredge to 1 inch thickness in one placement.
- B. Compressive Strength: ASTM C349, 4100 psi in 28 days.
- C. Flexural Strength: ASTM C348, 1000 psi at 28 days.
- D. Flammability: ASTM E84 test method.
 - 1. Flame Spread: 0
 - 2. Fuel Contribution: 0
 - 3. Smoke Development: 0

2.3 UNDERLAYMENT CONCRETE

- A. Underlayment Concrete: Ardex K-55 Fast Setting Underlayment, or equal, trowelable, non-shrink cementitious floor underlayment to patch concrete and ceramic tile floors, from feather edge to 1 inch thickness in one application.

2.4 CONCRETE PATCHING COMPOUND

- A. Concrete Patching Compound: Ardex M-4 Quickset Concrete Patch. Or equal

2.5 PRIMERS AND ADDITIVES

- A. Primer, Porous and Normally Absorbent Concrete: Ardex P-51. Or equal
- B. Primer, Non-Porous Surfaces: Ardex P-82 Ultra-Prime, for ceramic tile, terrazzo, sealed concrete, steel decking, cut-back and adhesive residues, and for wood substrates.
- C. Resilient Emulsion: Ardex K-15 Resilient Emulsion, or equal, to increase flexibility and resilience of underlayment.
- D. Bonding Additive: Ardex E-100 Additive, or equal, to increase bond and cohesiveness of trowel grade underlayment products.

2.6 MISCELLANEOUS MATERIALS

- A. Sealer: Clear sealer to eliminate surface dusting, as produced or recommended by concrete topping manufacturer.
- B. Water: Clear, fresh, potable and free of mineral or organic matter which can affect underlayment, priming and patching products.
- C. Aggregate: ASTM C33, 1/8-inch to 1/4-inch fine gravel and 1/4-inch to 1/2-inch pea gravel.

PART 3 - EXECUTION - NOT USED

END OF SECTION

03 60 00 – GROUTING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Shrinkage-resistant grout and grouting of structural framing baseplates, equipment anchors and miscellaneous metal fabrications.

PART 2 - PRODUCTS

2.1 GROUTING COMPOUNDS

- A. Specified Manufacturers: Products of the following manufacturers are specified and will be acceptable provided they comply with referenced standards all other requirements of the Contract Documents. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 – Product Requirements:
 - 1. Dayton Superior Corporation, Chemical Operations, Oregon, IL (815/732-3136 or 800/745-3707; local office, Santa Fe Springs, CA, 310/946-5504 or 800/745-3701).
 - 2. Euclid Chemical Co., Cleveland, OH (216/531-9222 or 800/321-7628).
 - 3. L&M Construction Chemicals, Inc., Omaha, NE (402/453-6600 or 800/362-3331).
 - 4. Master Builders Technology, Inc., Cleveland, OH, (216/831-5500; local representative, Rancho Cucamonga, CA, 909/466-6267).
 - 5. W.R. Meadows, Inc., Elgin, IL (700/683-4500; local representative Walnut, CA, 909/469-2606 or 800/342-5976).
 - 6. The Rawl Plug, Inc., New Rochelle, NY (914/235-6300).
 - 7. Sika Corporation, Lyndhurst, NJ (201/933-8800; local representative, Santa Fe Springs, CA, 310/941-0231).
 - 8. Sonneborn Building Products, Division of ChemRex, Inc., Minneapolis, MN (612/835-3434 or 800/433-9517).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. The Burke Co., Buffalo, NY (716/832-5959; local representative, Fountain Valley, CA, 714/556-4510).
 - 2. Larsen Products Corp., Rockville, MD (301/770-5200 or 800/633-6668).

3. Tamms Industries Co. (A.C. Horn), Mentor, OH (216/974-2399 or 800/218-2667; local representative, Los Angeles, CA, 213/269-1846).
4. Thoro System Products, Miami, FL (800/327-1570).
5. Stonhard, Inc., USA, Maple Shade, NJ (800/736-9300).
6. Symons Corporation, Des Plaines, IL (708/298-3200; local representative, Industry, CA, 818/330-6855).

2.2 METALLIC SHRINKAGE-RESISTANT GROUT:

- A. For filling under equipment and interior miscellaneous metal fabrications; pre-mixed factory-packaged compound, metallic aggregate, minimum 5000 psi 28-day compressive strength. Confirm product selection with manufacturer's recommendations for intended use. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 – Product Requirements.
 1. Firmix by Euclid Chemical Co.
 2. Ferrogout by L&M Construction Chemicals, Inc.
 3. Embeco 636 or Embeco 885 by Master Builders Technology, Inc.
 4. Kemox G by Sika Corporation.
 5. Ferrolith G by Sonneborn.

2.3 NON-METALLIC SHRINKAGE-RESISTANT GROUT:

- A. For filling around anchors for exterior miscellaneous metal fabrications; pre-mixed, non-metallic, non-corrosive, non-staining product containing selected silica sands, portland cement, shrinkage compensating agents, plasticizing and water-reducing agents, complying with CE-CRD-C621, minimum 5000 psi 28-day compressive strength. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 – Product Requirements.
 1. Sure Grip Grout by Dayton Superior.
 2. Euco N.S. by Euclid Chemical Co.
 3. Crystex by L&M Construction Chemicals, Inc.
 4. Masterflow 713 or Masterflow 928 by Master Builders Technology, Inc.
 5. Sealtight 588 Grout by W.R. Meadows.

2.4 SHRINKAGE-RESISTANT SETTING GROUT:

- A. For setting railing posts and similar components in sleeves or blockouts in concrete; pre-mixed, natural aggregate, minimum 5000 psi 28-day compressive strength, Master Builders Technology, Inc., Set Grout.

2.5 NON-SHRINK POLYMER (EPOXY) GROUT (For setting anchor bolts in concrete):

- A. For anchor bolts for structural members: Foil Fast Injection Gel Anchor System by The Rawl Plug, Inc., New Rochelle, NY (914/235-6300), or approved equal.
- B. For anchor bolts for non-structural components: Polymer (epoxy) grout, Brutem MP or AB by Master Builders Technology, Inc., as recommended by manufacturer for intended use.

PART 3 - EXECUTION - NOT USED

END OF SECTION

DIVISION 04 – MASONRY

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements.

04 22 00 – CONCRETE UNIT MASONRY

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Concrete unit masonry.
- B. Mortar and grout.
- C. Reinforcement for masonry.
- D. Deterrent.

1.3 SUBMITTALS

- A. Submit one sample of each concrete masonry unit for each face design and color.

PART 2 - PRODUCTS

2.1 CONCRETE MASONRY UNITS

- A. Hollow Load Bearing Units: UBC Standard 21-4, two core type, modular sized to 6x8x16, unless otherwise indicated on Drawings.
 - 1. Grade and Type: Grade N, Type I, moisture-controlled units, open end bond-beam design, except provide closed ends at corner and wall end conditions. Provide bond-beam units at all locations with horizontal reinforcing steel bars, to provide minimum vertical opening at all cross webs 3 inches high by 3 inches wide.
 - 2. Weight Classification: Medium weight.
 - 3. Strength: 1900 psi.
 - 4. Face design and color: Precision blocks, smooth faces, color to match existing concrete unit masonry or, if matching is not applicable, provide natural gray concrete color.
- B. Special Shapes: Provide end, corner, pilaster and cap units as necessary.

2.2 REINFORCEMENT AND ANCHORAGES

- A. Reinforcing Steel: ASTM A 615, yield grade as indicated on Drawings; deformed billet steel bars; plain finish. Comply with requirements specified in Section 03 20 00 – Concrete Reinforcing.

2.3 MORTAR AND GROUT MATERIALS

- A. Mortar and Grout Materials, General: Comply with California Building Code (CBC), Section 2102A.
- B. Portland Cement: ASTM C 150, Type as indicated on Structural Drawings, gray color, from one manufacturer only.
- C. Mortar Materials:
 - 1. Mortar Aggregate: ASTM C 144, standard masonry type, clean, dry, protected against dampness, freezing, and foreign matter.
 - 2. Hydrated Lime: ASTM C 207, Type S.
 - 3. Quicklime: ASTM C 5, non-hydraulic type.
 - 4. Plasticizer: Water-reducing type which reduces porosity and absorption to increase bond strength; if used, only as reviewed and approved by Architect and DSA.
- D. Grout Materials:
 - 1. Grout Aggregate, General: Comply with ASTM C 404 - Aggregates for Masonry Grout, except when other gradations are specifically approved by Architect (Structural Engineer) and DSA.
 - 2. Grout Course Aggregate: Maximum 3/8-inch size; 200 percent by volume.
 - 3. Grout Fine Aggregate: Washed river sand; 225 percent by volume.
 - 4. Admixture: Type that reduces early water loss to masonry units and produces expansive action in plastic grout sufficient to offset initial shrinkage and promote bonding of grout to all interior surfaces of the masonry units. Obtain approval of Architect (Structural Engineer) and DSA for use of specific admixture. Use admixture shall be in accordance with manufacturer's instructions and recommendations.
- E. Water: Clean, fresh, potable and free of mineral or organic matter detrimental to mortar and grout.

PART 3 - EXECUTION

3.1 MORTAR AND GROUT MIXES

- A. Mortar and Grout Mixes, General: Comply with California Building Code (CBC) requirements and ASTM C 476. Shovel measures shall not be allowed. Lime shall be last material added to mixes. Admixtures shall be acceptable on if included in reviewed mix designs. Admixtures shall be approved by DSA.
- B. Mortar Mix: Comply with requirements of California Building Code (CBC), Section 2103A.3, with the following additional requirements:
 - 1. Place approximately half of the required water and sand into the mixer while running.
 - 2. Add cement and the remainder of the sand and water into the mixer in that order and mix for a period of at least two minutes.
 - 3. Add lime and continue mixing as long as needed to secure a uniform mass.
 - 4. The total mixing time may not be less than ten minutes.
- C. Grout Mix:

1. Grout shall be high-slump workable mix, preferably placed by pumping to permit continuous pouring.
2. Grout shall be worked into all voids. Mechanical vibrators shall be used for consolidation. Where job conditions preclude such use, other methods may be employed if approved in advance, by DSA.
3. Because of high water/cement ratio used in this type of grout, it is essential that grout be reconsolidated after it has taken on plastic consistency but prior to taking initial set. Reconsolidate grout to overcome settlement shrinkage, separation from reinforcing steel and promote bond to concrete masonry unit walls.
4. Sufficient water may be added to make workable mix that will flow into all voids of masonry without separation or segregation. When grout is placed in masonry units with typical rates of absorption, slump of grout shall be approximately nine to ten inches (9 inches to 10 inches) depending on temperature and humidity conditions.
5. Where least lateral dimension of cells to be filled exceeds five inches, coarser aggregate may be used in grout fill if mix is designed in accordance with California Building Code (CBC), Section 1905A. The maximum size of aggregate shall not exceed one inch. Water per sack of cement may be greater than is shown in California Building Code (CBC), Table 19A-A-8 to allow for absorption by masonry units and with sufficient workability to meet requirements stated in paragraph above.
6. Incorporate admixture in grout mixes in accordance with manufacturer's instructions and recommendations.

D. Design Strengths: Include admixtures in mix designs.

1. Combined Compressive Strength, Masonry Unit and Mortar Assembly: F'm of 1500 psi. Strength shall be verified by masonry prism tests in compliance with California Building Code (CBC), Chapter 21A.
2. Mortar Compressive Strength: 1800 psi minimum at 28 days.
3. Grout Compressive Strength: 2000 psi minimum at 28 days.

3.2 SKATEBOARD DETERRENTS

- A. All retaining walls, benches, or any other features of 48" in height or less must have an architectural dentil block or notch every 36 inches maximum to interrupt the continuous edge. Each block or notch must be a minimum of 1.5 inches wide with square corners and protrude or indent a minimum of 0.75 inches.

END OF SECTION

DIVISION 05 – METALS

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements

05 05 13 – SHOP APPLIED COATINGS FOR METAL

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Hot-dip galvanized finish on iron and steel products, applied after manufacture or fabrication.
 - 1. Products to receive galvanized finish shall be those subject to weather exposure and those located in moist and high-humidity conditions.
 - 2. Products include but are not limited to:
 - a. Ornamental steel fencing.
 - b. Structural steel members, including shade structures, exposed outside of building enclosure.
 - c. Steel decking (factory-galvanized with finish touch-up as specified in this Section).
 - d. Steel fabrications, including bollards, fixed metal ladders (roof access ladders) and trash enclosure gates.
 - e. Steel forgings and iron castings.
 - 3. Iron and steel pipe.
 - 4. Fasteners and miscellaneous hardware.

1.3 ACCEPTABLE COATING APPLICATORS

- A. Coating Applicator: Members of American Galvanizers Association. List of members is available from American Galvanizers Association (AGA).

1.4 SOURCE QUALITY CONTROL

- A. Inspection and Testing: Comply with requirements specified in Section 01 45 00 - Quality Control.
 - 1. Inspection and testing of hot-dip galvanized coatings shall be performed according to guidelines provided in AGA - Inspection of Products Hot-Dip Galvanized After Fabrication.
 - 2. Include visual examination and tests in accordance with ASTM A 123, A 767 or A 153 as applicable to determine the thickness of the zinc coating on the metal surface.

3. Furnish Notarized Certificate of Compliance with ASTM Standards and Specifications herein listed.
 - a. Certificate shall be signed by galvanizer and contain detailed description of material processed.
 - b. Certificate shall include information as to the ASTM standard used for the coating.

PART 2 - PRODUCTS

2.1 STEEL MATERIALS

- A. Steel Materials, General: Material for galvanizing shall be geometrically suitable for galvanizing as described in ASTM A 384 and A 385. Steel materials suitable for galvanizing include structural shapes, pipe, sheet, fabrications and assemblies.
 1. Material shall be chemically suitable for galvanizing. Comply with AGA criteria and recommendations for determining suitability of steel for galvanizing.
 2. Advise galvanizer of chemical properties of steel in advance so that determination can be made whether material is galvanizable and whether or not special processing techniques shall be performed.

- B. Steel Materials for Hot Dip Galvanizing: Recommended steel materials for hot-dip galvanizing include but are not limited to:

1. Structural shapes and plates: ASTM A 36, A 242 type 2, A 283, A 441, A 500, A 501, A 529, A 572 and A 588.
2. Steel for fasteners:

	General Category	Bolt Material	Nut Material
a.	Carbon Steel High Strength	A 307 Gr A or B A 325 Type 1	A 563 Gr A A 563 Gr DH
b.	Tower Bolts	A 394	A 563 Gr A
c.	Quenched & Tempered Carbon Steel Bolts	A 449	A 563 Gr C
d.	Quenched & Tempered Alloy Steel Bolts	A 354 Gr BC	A 563 Gr DH

3. Steel for sheet metal articles: ASTM A 569 or A 570.
4. Steel for pipe or tubing: ASTM A 53, A 120 or A 595 Gr A or B.
5. CAUTION: Avoid use of steel with an ultimate tensile strength greater than 150 ksi because these steels have been shown to have a potential for hydrogen embrittlement due to pickling prior to galvanizing.

2.2 GALVANIZING REPAIR PRODUCTS

- A. Zinc Repair Solder: For hot zinc galvanizing repair.
 - 1. Specified manufacturer: Teck Cominco Metals, Ltd., Mississauga, Ontario, Canada (905/822-2022). Or equal
 - 2. Acceptable manufacturer: None identified. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 3. Zinc repair solder: Galva-Guard as manufactured by Teck Cominco Metals, Ltd. Or equal, 3/16-inch diameter wire in coil or stick form. Product characteristics:
 - a. Nominal composition: 50 percent Zn, 49 percent Sn, 1 percent Cu.
 - b. Working temperature range: 390 to 480 degrees F.
 - c. Corrosion resistant.
 - d. High-abrasion resistance.
 - e. Good adhesion to steel substrate.
 - f. Readily-controlled coating thickness.
 - g. Surface appearance matches hot-dipped galvanized.
 - h. Non-toxic.
- B. Cold-Galvanizing Compound: High zinc dust content paint for repair of galvanized finish on steel, with dry film containing not less than 94 percent zinc dust by weight and complying with SSPC-Paint 20.
 - 1. Specified manufacturer: Brite Products, Detroit, MI (313/865-4380). Or equal
 - 2. Acceptable manufacturer: None identified. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 3. Cold-Galvanizing Compound: Organic zinc-rich coating matching the aesthetic appearance of hot-dip galvanizing, containing at least 65 percent metallic zinc by weight in the dry film, complying with performance requirements of ASTM A 780 (Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings), DOD-P-21035B (Paint, High Zinc Dust Content, Galvanizing Repair) and SSPC (Society for Protective Coatings) PS-12, PS-12.01, PS-20, PS-22, PS-29 and PS-30.

PART 3 - EXECUTION

3.1 FABRICATION REQUIREMENTS

- A. Product Fabrication, General: Fabricate products to be galvanized in accordance with Recommended Details for Galvanized Structures by American Hot Dip Galvanizers Association, Inc.
 - 1. Comply with applicable portions of ASTM A 143, ASTM A 384 and ASTM A 385, except as otherwise specified herein. Avoid techniques which could cause distortion or embrittlement of steel.

2. Notify Architect before and during submittals review and before fabrication proceeds, of potential warpage problems which may require design modification.

B. Structural Steel Fabrication: Fabricate structural steel in accordance with Class I, II, III guidelines as described in AGA - Recommended Details for Galvanized Structures.

1. Fabrication practices for Products shall be in accordance with the applicable portions of ASTM A 143, A 384, and A 385, except as specified herein. Avoid fabrication techniques that could cause distortion or embrittlement of the steel.
2. Fabricator shall consult with Architect and responsible engineer and hot-dip galvanizer regarding potential problems or potential handling problems during the galvanizing process that may require modification of design before fabrication proceeds.

C. Joints: Whenever possible, bolted connections and slip joints shall be used to minimize field welding of material.

3.2 PRODUCT PREPARATION FOR GALVANIZING

A. Preparation, General:

1. Remove all welding slag, splatter, anti-splatter compounds and burrs prior to delivery for galvanizing.
2. Provide holes and lifting lugs as necessary for handling during galvanizing process and only at positions approved by Architect.
3. Remove grease, oil, paint and other deleterious materials.
4. Do not use unsuitable marking paints on steel prior to galvanizing. Consult with the galvanizer about removal of grease, oil paint and other deleterious material prior to fabrication.
5. Use blast cleaning or other method as necessary if surface contaminants and coatings cannot be removed by normal chemical cleaning process.

B. Surface Preparation:

1. Pre-clean using caustic bath, acid pickle and flux.
2. Alternatively, pre-clean by blast cleaning and fluxing.
3. Conform to ASTM A 123 and ASTM A 386, as applicable, for steel members, fabrications and assemblies.
4. Conform to ASTM A 153 for bolts, nuts and washers, and steel hardware components.
5. Conform to ASTM A 143 for protection against embrittlement.

3.3 GALVANIZING

A. Galvanizing, General:

1. Ferrous metal fabrications shall be galvanized only as specified or noted on the Drawings.
2. Where galvanized finish is specified or noted, ferrous fabrications shall be galvanized in accordance with applicable referenced ASTM standards, after fabrication.
3. Galvanizing shall be by hot dip method only, unless otherwise specified.

4. Galvanize steel members, fabrications and assemblies after fabrication by the hot-dip process in accordance with ASTM A 123.
 5. Galvanize bolts, nuts and washers and iron and steel hardware components in accordance with ASTM A 153.
 6. Safeguard products against steel embrittlement in conformance with ASTM A 143.
 7. Galvanize reinforcing steel in accordance with ASTM A 767.
- B. Portions Not to Receive Galvanizing: Protect portions of parts to be embedded in concrete from galvanizing, except galvanize anchors and sleeves built into concrete and masonry.
- C. Galvanizing Bath: Use not less than 98.0 percent zinc.
- D. Coating Weight: conform with paragraph 5.1 of ASTM A 123, Table 1 of A 767, or Table 1 of ASTM A 153, as appropriate.
- E. Coating Surface Finish: Wipe down surfaces after dip to remove pin holes, scale, drips, runs and points. Finish shall be continuous, adherent, smooth and evenly distributed, free from defects detrimental to intended end use and finishing of coated product.
- F. Coating Adhesion: Withstand normal handling consistent with the nature and thickness of the coating and normal use of the article.

END OF SECTION

05 05 23 – METAL FASTENINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Anchors and fasteners for connection to concrete and steel construction.
- B. General requirements for welding of steel products.

PART 2 - PRODUCTS

2.1 ANCHORS, FASTENERS AND ACCESSORY MATERIALS

- A. Anchors and Fasteners, General: Same material, color and finish as the metal to which applied, unless otherwise indicated.
- B. Exterior Exposure: Provide stainless steel.
- C. Type, Size and Spacing: Unless otherwise indicated, provide fasteners of type, grade and class required for intended use and sized and spaced as required for loads and substrate.
- D. Screw Head, Typical: Unless otherwise noted, exposed screws shall be phillips oval or flat head, countersunk.
- E. Standard Bolts and Nuts, Steel: ASTM A307, Grade A, hexagonal head.
- F. Lag Screws and Bolts, Steel: ANSI B18.2.1, type and grade best suited for the purpose, hexagonal or square head.
- G. Plain Steel Screws: FS FF-S-85, FS FF-S-92 and FS FF-S-111; type and grade best suited for the purpose.
- H. Stainless Steel Screws: AISI 300 Series.
- I. Self-Drilling Metal Fasteners: TEKS by Buildex Division, Illinois Tool works, Inc.
- J. Plain Steel Washers: FS FF-W-92, round, carbon steel.
- K. Lock Washers: FS FF-W-84, helical spring, carbon steel.
- L. Toggle Bolts: Not permitted. Depending upon substrate, use expansion anchor or use screw into appropriate backing material.
- M. Concrete Anchors, Epoxy Adhesive Type: Manufacturer, product, type and size as identified on Structural Drawings. If products are not indicated on Drawings, then provide anchors as directed by the Architect (Structural Engineer) and approved by Division of the State Architect (DSA). Equivalent products of other manufacturers will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product

Requirements, if approved by DSA. Comply with DSA Interpretation of Regulations Document IR 19-1.

- N. Concrete and Masonry Anchors, Wedge-Type: Manufacturer, product, type and size as identified on Structural Drawings. If products are not indicated on Drawings, then provide anchors as directed by the Architect (Structural Engineer) and approved by Division of the State Architect (DSA). Equivalent products of other manufacturers will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements, if approved by DSA. Comply with DSA Interpretation of Regulations Document IR 19-1.
- O. Concrete and Masonry Anchors, Self-Threading: Manufacturer, product, type and size as identified on Structural Drawings. If products are not indicated on Drawings, then provide anchors as directed by the Architect (Structural Engineer) and approved by Division of the State Architect (DSA). Equivalent products of other manufacturers will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements, if approved by DSA. Comply with DSA Interpretation of Regulations Document IR 19-1.
- P. Fiber Plugs and Screws: Not permitted.
- Q. Lead Expansion Shields: Not Permitted.
- R. Powder-Actuated Driven Fasteners: Comply with notes on Drawings and the following.
 - 1. Use only if acceptable to Architect (Structural Engineer), generally not permitted where not specifically indicated or in load-bearing installations; Fed Spec FF-P-395 or Fed Spec GGG-D-777; as produced by ITW Ramset/Red Head, Wood Dale, IL (708/350-0370; regional representative, City of Commerce, CA, (California) 800/368-9724 or (National) 800/227-1823) in compliance with ICBO Evaluation Service, Inc. Evaluation Report ER-1147.
 - 2. Equivalent products by Hilti Corporation, Tulsa, OK (918/627-9711 or 800/879-8000), will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
- S. Welding Rods and Bare Electrodes: As indicated on (Structural) Drawings for welding of structural (load-bearing) members. If not indicated, select rods and electrodes in accordance with AWS D1.1 - Code for Welding in Building Construction, applicable to metal alloy to be welded.

PART 3 - EXECUTION - NOT USED

END OF SECTION

05 05 63 – WELDING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Requirements for field and shop welding.
- B. Weld testing and inspection.

PART 2 - PRODUCTS

2.1 ELECTRODES

- A. Filler metals shall conform to the requirements of the latest edition of ANSI/AWS Specifications for Electrodes as listed herein and shall meet a Charpy V-Notch Impact Energy of 20 Ft-Lbs at -20 degrees F.
 - 1. SMAW A5.1 or A5.5 E70XX Low Hydrogen
 - 2. SAW A5.17 or A5.23 E7X-EXXX
 - 3. GMAW A5.18 or A5.28 E70S-X
 - 4. FCAW A5.20 or A5.29 E71T-8, except -8KG

PART 3 - EXECUTION

3.1 WELDING PROCESSES

- A. Prequalified Welding Processes: Prequalified Welding Procedure status will be acceptable only for the SMAW process.
- B. Other Welding Processes:
 - 1. Weld procedure tests shall include Charpy V-Notch (CVN) testing of the weld metal and Heat Affected Zone (HAZ).
 - 2. The CVN test temperature shall be at least 30 degrees F colder than the Lowest Service Metal Temperature (LSMT) but not warmer than 0 degrees F.
 - 3. The minimum required energy absorption is 20 Ft-Lbs. average.
 - 4. One specimen may be less than the minimum average, but not less than 15 Ft-Lbs.
 - 5. The tests shall be conducted in accordance with AWS D1.1, Appendix III. In addition, the FCAW self-shielded method shall have each heat lot of electrode Charpy V-Notch tested in the HAZ before using in the work.

6. Weld test plates shall be a minimum thickness to meet a "Plate Thickness Qualified Range" of 0.5t to 1.50t but need not exceed 3 inches.
7. All other processes shall be tested in accordance with AWD D1.1, Section 4.

END OF SECTION

05 12 00 – STRUCTURAL STEEL FRAMING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Structural steel framing members and structural steel support members, with required bracing, welds, and fasteners.

1.3 SOURCE QUALITY CONTROL

- A. Testing and Inspection, General: Refer to Section 01 45 00 - Quality Control for general requirements for testing and inspection, including responsibility and cost of testing and inspection services.
- B. Steel Material Testing: Determine mechanical properties in conformance with ASTM A 370 of the following materials:
 - 1. Structural steel shapes and tubing.
 - 2. Anchor bolts.
 - 3. Filler metals for welding.
 - 4. High-strength threaded fasteners.
- C. Bolted Connections Inspection: Inspect shop-assembled high-strength bolted connections and shop welds as described in PART 3.

PART 2 - PRODUCTS

2.1 STEEL SHAPES:

- A. Typical wide flange members: ASTM A 572 for Grade 50.
- B. Other steel shapes, bars and plates: ASTM A 36.

2.2 STRUCTURAL STEEL PIPE: ASTM A53, Grade B, Type E or S.

2.3 STRUCTURAL STEEL TUBING: ASTM A500, Grade B, $F_y = 46$ ksi.

2.4 CAST STEEL: ASTM A27.

2.5 ANCHOR BOLTS: Conform to ASTM A 307, Grade C. Provide non-headed type, bent, with ASTM A 563 Grade A hexagonal nuts, unless indicated on the Contract Drawings.

2.6 STANDARD THREADED FASTENERS:

- A. Standard bolts: ASTM A 307, Grade A.
- B. Plain washers: ASTM F 844 plain (flat) unhardened steel washers.
- C. Nuts: ASTM A 563, Heavy Hex, Grade B, plain (non-zinc coated).

2.7 HIGH-STRENGTH THREADED FASTENERS:

- A. Heavy hex structural bolts: ASTM A 325, Type 1, Supplementary Requirements S.1, with threads included in shear plane and marked "A 325 T," unless otherwise noted on Contract Drawings.
 - 1. Conform to the provisions of California Building Code (CBC), Chapter 22A, Division IV.
 - 2. Manufacture with identifying mark placed on top of the head.
- B. Option: At Contractor's option the following bolts may be used with standard washers instead of direct tension load indicating type, where required:
 - 1. Load Indicator Bolts, manufactured by Bethlehem Steel Corporation.
 - 2. Tension Steel Bolts, manufactured by Bristol Machine Company.
 - 3. Tension Control Bolts, manufactured by Lejeune Bolt Company.
- C. Washers:
 - 1. Hardened Type: ASTM F 436, Type 1, style as required.
 - 2. Direct Tension Load Indicating Type: ASTM F 959 Type 325 or Type 490.
- D. Nuts: ASTM A 563, Heavy Hex, Grade C, plain (non-zinc coated).

2.8 WELDING MATERIALS: AWS D1.1, type as required for materials being welded. Provide electrodes as indicated on Structural Drawings.

2.9 SHOP PRIMER: SSPC Paint 13, gray color. Refer to Section 09 90 00 – Painting and Coating for primers required for steel at exposed exterior structure.

2.10 GROUT: Non-shrink type, 7000 psi minimum compressive strength, as specified in Section 05 05 23 – Metal Fastenings.

PART 3 - EXECUTION

3.1 FABRICATION

- A. Shop Fabrication and Assembly, General: Fabricate structural steel in accordance with the AISC Specification and California Building Code (CBC) Chapter 22A, Division IX, Section 2251, Chapter M. Do not start fabrication until mill test reports for identified stock have been accepted by Architect and Shop Drawings have been reviewed.
 - 1. Special inspection of structural steel fabrication is required unless an approved fabricator, as described in California Building Code (CBC) Chapter 17A, Section 1701A.7, is employed.

2. Furnish column bases shop-attached to columns.
 3. Shop connections shall be welded.
 4. Field connections shall be bolted, except where welded connections are indicated on the Contract Drawings.
- B. Architecturally Exposed Structural Steel: Comply with fabrication requirements, including tolerance limits, of AISC's "Code of Standard Practice for Steel Buildings and Bridges" for structural steel identified as architecturally exposed structural steel. All structural exposed in finish construction shall be considered architecturally exposed structural steel.
1. Fabricate with exposed surfaces smooth, square, and free of surface blemishes including pitting, rust, scale, seam marks, roller marks, rolled trade names and roughness.
 2. Remove blemishes by filling or grinding or by welding and grinding, before cleaning, treating, and shop priming.
- C. Holes: Provide holes required for securing other Work to structural steel framing and for passage of other Work through steel framing members, as shown on Shop Drawings.
1. Cut, drill, or punch holes perpendicular to metal surfaces. Do not flame-cut holes or enlarge holes by burning. Drill holes in bearing plates.
 2. Weld threaded nuts to framing and other specialty items as indicated to receive Work specified in other Sections.
- D. Shop Connections: Make shop connections by welding unless specifically noted on Structural Contract Drawings. Assemble and weld built-up sections by methods that will maintain true alignment of axes without warp.
1. General connections: Make welded connections by shielded-arc method in accordance with AWS D1.1.
 - a. Welding shall be done in the shop unless otherwise shown or specified.
 - b. Prior to welding, preheat members in accordance with AISC Section J2.7.
 - c. Welds exposed in the finished work shall be ground and dressed smooth to preserve the shape and profile of the welded item.
 - d. All welds not otherwise identified shall be continuous fillet welds, with size based on AISC standards for thicker part being joined.
 2. Welding at exposed structural steel: Verify that weld sizes, fabrication sequence, and equipment used for architecturally exposed structural steel will limit distortions to allowable tolerances.
 - a. Prevent surface bleeding of back-side welding on exposed steel surfaces.
 - b. Grind and dress smooth all welds exposed in finished Work to preserve shape and profile of structural framing member.
 - c. Grind smooth exposed fillet welds 1/2-inch and larger.
 - d. Grind flush butt welds.
 3. Inspection: All shop welding shall be continuously inspected by certified inspector, except welding performed in shop of fabricator approved by the Division of the State Architect (DSA).

- E. Field Connections: Provide bolted connections, except where welded connections are indicated on Structural Contract Drawings.
 - F. Column Bases: Provide base plates shop welded to columns.
- 3.2 SHOP PAINTING
- A. Preparation: Clean surfaces of mill scale, grease, dirt, and foreign matter in accordance with SSPC SP-3, except where members will be exposed to long term exterior exposure, in accordance with SSPC SP-6.
 - B. Shop Painting, General:
 - 1. Interior steel: Apply one coat of shop primer in accordance with SSPC Paint System PS 7.01, having a minimum of 1-1/2 mils dry thickness. Where structural steel is exposed in finished construction, coordinate primer with requirements for field finishes specified in Section 09 90 00 – Painting and Coating.
 - 2. Exterior steel: For steel to be exposed at exterior locations, comply with primer requirements specified in Section 09 90 00 – Painting and Coating.
 - 3. Inaccessible Surfaces: Shop paint steel surfaces not in contact, but inaccessible for painting after erection, with two coats of specified primer having a minimum of 3 mils total dry thickness.
 - C. Primer Application: Shop paint surfaces of structural steel members with specified primer, except as follows:
 - 1. Structural steel members, or portions of members, to be field welded.
 - 2. Structural steel members, or portions of members, to be embedded in concrete specified in Section 03 30 00 – Cast-in-Place Concrete.
 - 3. Surfaces in contact with high strength bolts.
 - 4. Bearing surfaces and surfaces supporting steel decking specified in Section 05 31 00 - Steel Decking.
 - 5. Structural steel that will be concealed by interior finishes.

END OF SECTION

05 31 00 – STEEL DECKING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Steel roof decking.
- B. Acoustical steel roof decking.
- C. Perforated steel decking for exterior sunshades.
- D. Related sheet steel shapes, fasteners and accessories.

PART 2 - PRODUCTS

2.1 SHEET METAL:

- A. Galvanized sheet steel: Zinc-coated (galvanized) steel sheet, ASTM A 653/A 653M, Structural Steel (SS), Grade 33 (230), G60 (Z180) zinc coating; structural quality.
- B. Galvalume sheet steel: Hot-dip aluminum-zinc-coated steel sheet (Galvalume) as manufactured by Bethlehem Steel Corporation, Bethlehem, PA (800/352-5700), complying with ASTM A 792 with class AZ-50 coating; Grade 40 or to suit manufacturer's standards, "Satin Finish". Or equal

2.2 MISCELLANEOUS STEEL SHAPES: ASTM A 36. Refer also to Section 05 12 00 - Structural Steel Framing and Section 05 50 00 - Metal Fabrications.

2.3 WELDING RODS: AWS D1.1 and AWS D1.3, type as indicated on the Drawings.

2.4 GALVANIZING REPAIR: Where galvanized surfaces are damaged, prepare surfaces and repair in accordance with procedures specified in ASTM A 780. Use cold galvanizing compound field touch-up, ZRC Zinc Rich Coating or equivalent.

2.5 STEEL ROOF DECKING

- A. Specified Manufacturer: As indicated on Structural Drawings.
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Basic Product Requirements.
 - 1. AEP-SPAN, Dallas, TX (214/827-1740 or 800/527-2503).

2. BHP Steel Building Products USA, Inc., West Sacramento, CA (916/372-6851 or 800/726-2727).
 3. Verco Manufacturing Company, Phoenix, AZ (602/272-1347).
 - C. Steel Roof Decking at Canopies: Corrugated steel deck, fabricated from hot-dip aluminum-zinc-coated steel sheet (Galvalume) sheet steel, manufacturer, product, gauge, depth and width as indicated on Structural Drawings. Comply with applicable ICBO Evaluation Service, Inc. Evaluation Report, current edition.
 - D. Minimum Structural Properties: As indicated on the Drawings.
- 2.6 PERFORATED METAL PANELS
- A. Specified Manufacturer: Myers Group, (800/729-3325).
 - B. Acceptable Manufacturers: Equivalent products of Diamond Perforated Metals, Inc., Visalia, CA (800/642-4334) will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
- 2.7 ACOUSTICAL STEEL ROOF DECKING
- A. Specified Manufacturer: Epic Metals Corporation, Rankin, PA (412/351-3913).
 - B. Acceptable Manufacturers: None identified. Equivalent products of other manufacturers will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.

PART 3 - EXECUTION

- 3.1 STEEL ROOF DECKING
- A. Steel Roof Decking at Canopies: Corrugated steel deck, fabricated from hot-dip aluminum-zinc-coated steel sheet (Galvalume) sheet steel. Comply with applicable ICBO Evaluation Service, Inc. Evaluation Report, current edition.
 1. End laps: Flush.
 2. Side laps: Interlocking, unless otherwise indicated.
 3. Configuration: As indicated on Drawings and in compliance with SDI Basic Design Specifications and SDI - Specifications and Commentary for Steel Roof Deck.
 - B. Decking Finish: Unfinished aluminum-zinc coating.
- 3.2 PERFORATED METAL PANELS
- A. Perforated Metal Decking: 20 gauge formed and perforated 32-inch wide, 1-3/4-inch by 5-1/3-inch V-beam decking, hot-dip aluminum-zinc-coated steel sheet (Galvalume) steel sheet with 1/8-inch diameter holes at 5/16-inch on center in staggered pattern with 12 holes per square inch.
 1. Provide decking depth and rib spacing as indicated on the Drawings.

2. Provide edges formed as indicated on the Drawings.

B. Decking Finish: Unfinished aluminum-zinc coating.

3.3 ACOUSTICAL STEEL ROOF DECKING

A. Acoustical Steel Roof Decking: For locations indicated on Drawings to receive acoustical decking.

B. Acoustical Roof Decking: Epicore ER2RA Roof Deck Ceiling Systems, complying with ICBO Evaluation Service, Inc. ER 3784 and Factory Mutual Research Approval Report No. 3004106, decking depth, gauge and section properties as indicated on Drawings, perforated bottom, with integral acoustical batt insulation.

1. Sound-Absorbing Insulation: Manufacturer's standard premolded roll or strip glass fiber or mineral fiber. Factory install sound-absorbing insulation into cells of cellular deck according to manufacturer's written instructions.

2. Acoustical Performance: NRC 0.70, tested according to ASTM C 423.

C. Finish: Factory prime bottom surfaces of decking units.

1. Before painting, galvanized steel shall receive chemical cleaning and acid wash pretreatment.

2. Apply thermosetting prime coat, color to suit field applied finish paint specified in Section 09 90 00 – Painting and Coating.

3.4 STEEL DECKING ACCESSORIES

A. Steel Decking Accessories, General: Provide decking manufacturer's standard type accessories for purposes indicated. Accessories shall be same material as decking units and not lighter than 20 gauge, unless otherwise indicated.

B. Adjusting Plates: As practicable, use adjusting plates of same gauge and configuration as decking units. Plates of predetermined size shall be factory-cut.

C. End Closures: Provide sheet metal closures, minimum 20-gauge.

D. Closures Above Walls and Partitions: Provide galvanized sheet steel closures, minimum 20 gauge, produced by decking manufacturer, to close space above all partitions abutting decking. Provide firestopping and smokestopping as specified in Section 07 84 00 - Firestopping, to fill between closures to maintain fire resistance rating of walls and partitions.

E. Cover Plates: Provide cover plates or under-lapping sleeves for end-buttressed floor deck units to cover gaps not otherwise covered by deck units and to cover welding access holes.

1. Fabricate cover plates of sheet steel of same type and not less than same thickness as decking.

2. Form cover plates approximately 6 inches wide and match contour of deck units.

3. Polyethylene-coated self-adhesive, 2-inch wide joint tape may be provided, instead of cover plates, on flat-surfaced decking.

F. Metal Closure Strips: Fabricate metal closure strips, for openings between decking and other construction, of not less than 0.045-inch minimum (18 gauge) sheet steel. Form metal to provide tight-fitting closures at open ends of cells or flutes and sides of decking.

- G. Miscellaneous Accessories: Provide all accessories necessary for a finished installation. Provide cant strips, ridge and valley plates and various types of plates and closures as indicated or as necessary to complete work. Provide all accessories required for a finished installation.

END OF SECTION

05 40 00 – COLD-FORMED METAL FRAMING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Cold-formed, light gauge steel framing for load-bearing conditions at exterior walls and roofs.
- B. Cold-formed, light gauge steel framing where indicated at load-bearing interior locations.

1.3 REFERENCE STANDARD: All cold-formed structural metal framing shall be designed in accordance with American Iron and Steel Institute (AISI) - Specification For the Design of Cold Formed Steel Structural Members.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS: Products of the manufacturers listed below will be acceptable. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.

- A. Alabama Metal Industries Corp., Birmingham, AL (205/787-2611 or 800/366-2642).
- B. California Expanded Metal Products Co. (CEMCO), City of Industry, CA (818/369-3564 or 714/990-6581).
- C. Dale Industries, Inc., Dearborn, MI (313/846-9400 or 800/882-7883).
- D. Unimast Inc., Franklin Park, IL (708/451-1410 or 800/323-0746).
- E. Western Metal Framing Systems, La Mirada, CA (213/944-6117 or 714/523-2160).

PART 3 - EXECUTION

3.1 COLD-FORMED STRUCTURAL METAL FRAMING

- A. Cold-Formed Structural Metal Framing: Manufacturer's standard C-shaped steel studs, of web depths indicated, punched, with stiffened flanges. Refer to metal stud notes on Structural Drawings.
 - 1. Standards: As indicated on Drawings.
 - 2. Gauge: As indicated on Drawings.
 - 3. Minimum yield strength: As indicated on Drawings.
 - 4. Minimum stud properties: As indicated on Drawings.

5. Painted finish: Manufacturer's standard rust-inhibitive paint. Provide either painted finish or hot-dipped galvanized finish, except as specified below.
 6. Galvanized finish: Hot-dipped galvanized. Provide studs with galvanized finish at locations where interior spaces are subject to high humidity, such as shower rooms and food service preparation and cleaning spaces.
 7. Flanges: Screw-type, 2-inch face.
 8. Web: Punched web unless otherwise indicated.
- B. Tracks, Sills and Headers: Manufacturer's standard U-shaped steel track, unpunched, with straight flanges, gauge same as studs unless otherwise noted. Provide extended leg tracks at ceiling tracks under structural framing members.
- C. Bridging: Type as required by manufacturer.
- 3.2 ACCESSORIES
- A. Screws: Self-drilling, self-tapping screws, as recommended by cold-formed metal framing manufacturer for conditions of framing, or as indicated on Drawings.
 - B. Bolts and nuts: ASTM A307.
 - C. Welding electrodes: As permitted by AWS Code.
 - D. Standard Structural Steel Shapes and Plates: ASTM A36.
 - E. Miscellaneous Steel Items: ASTM A283, grade optional.
 - F. Flat-Rolled Carbon Steel Sheets: ASTM A611.
 - G. Cold-Rolled Carbon Steel Sheets: ASTM A366.
 - H. Fastenings: Provide bolts, nuts, screws, clips, washers and other fasteners as necessary for proper erection of items specified herein.
 - I. Welding Electrodes: AWS Code D1.3, E60XX or E70XX electrodes.
 - J. Galvanizing Touch-Up Finish: Cold galvanizing compound, for field touch-up of galvanized coating, ZRC Zinc Rich Coating, or equal.
- 3.3 INCIDENTAL STEEL SHAPES AND FRAMING
- A. Incidental Steel Shapes and Framing: Provide specified, indicated and necessary clips, plates, bent plates, angles, channels, and similar components to secure materials, equipment and items of Work specified in other Sections. This Section is not intended to specify each item of cold-formed structural metal framing individually.

END OF SECTION

05 50 00 – METAL FABRICATIONS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Light structural steel framing members and structural steel support members, with required bracing, welding and fasteners.
- B. Steel and aluminum, materials for miscellaneous metal fabrications specified in this Section and required but not specified in other Sections.
- C. Characteristics, including fabrication and finish requirements for metal fabrications not otherwise specified in other Sections.
- D. Galvanizing of steel products.
- E. Shop priming and painting of steel fabrications.
- F. Miscellaneous metal fabrications, such as:
 - 1. Loose bearing and leveling plates.
 - 2. Steel angle nosings and thresholds.
 - 3. Rough hardware.
 - 4. Sleeves for penetrations through structural members and stud partitions.

PART 2 - PRODUCTS

2.1 FERROUS METALS

- A. Steel Shapes: Steel plates, bars, angles, channels, and H-sections: ASTM A36.
- B. Steel Tube:
 - 1. Hot-rolled: ASTM A501.
 - 2. Cold-formed: ASTM A500.
- C. Steel Pipe: ASTM A53 (black steel and hot-dip galvanized).
- D. Steel Sheet:
 - 1. For structural uses: Hot-rolled, ASTM A570; cold-rolled, ASTM A611.
 - 2. For nonstructural uses: Cold-rolled, ASTM A366; hot-rolled, ASTM A569.

- E. Steel for Galvanized Products:
 - 1. Structural shapes, plates and bars: From fully killed or semi-killed steel, ASTM A36 or A572, except silicon content in the range 0 to 0.4 percent or 0.15 to 0.25 percent, as applicable, only.
 - 2. Steel fasteners: ASTM 307, Grade A or B for bolts; ASTM A563, Grade A for nuts.
 - 3. Sheet steel: ASTM A526, with ASTM A525, Coating Designation G90, for precoated sheet; ASTM A569 or A570 for sheet used in fabrications.
 - 4. Steel for pipe and tubing: ASTM A53, A120 or A595 Grade A or B.
 - 5. Galvanizing: See requirements specified below.
- 2.2 CORROSION-RESISTANT (STAINLESS) STEEL
 - A. Bars, Shapes and Forgings: ASTM A276, Type 302 or 304 as best suited for intended purpose.
 - B. Plates, Sheets and Strips: ASTM A167 or ASTM A176, Type 302 or 304 as best suited for intended purpose.
 - C. Finish: Brushed, No. 4 finish, unless otherwise indicated.
- 2.3 ALUMINUM MATERIALS
 - A. Aluminum Bars, Rod and Wire and Non-Structural Tubes: ASTM B211 for rolled or cold-finished; ASTM B221 for extruded. Provide alloy and temper best suited for purpose.
 - B. Aluminum Sheet and Plate: ASTM B209, temper best suited for purpose.
 - C. Cast Aluminum: ASTM B103, alloy and temper best suited for purpose.
 - D. Finishes:
 - 1. Unexposed sheet and plate: Mill finish.
 - 2. Castings: Sandblast finish, medium, equal to NAAMM Metal Finishing Manual, Designation AA-M43.
 - 3. Anodizing: When indicated, AA Class I, except Class II for products in corrosive atmosphere, coating thickness in conformance to AA Designation System for Aluminum Finishes, polished satin finish on aluminum before coating, with clear lacquer overcoating.
- 2.4 ANCHORS, FASTENERS AND ACCESSORY MATERIALS
 - A. Anchors and Fasteners, General: Comply with general requirements specified in Section 05 05 23 - Metal Fastenings. Unless otherwise indicated, provide fasteners of type, grade and class required for intended use and sized and spaced as required for loads and substrate. Provide stainless steel fasteners at stainless elements and other elements at exterior locations.
 - B. Grouting Compounds: Comply with requirements specified in Section 03 60 00 – Grouting.

C. Shop Primer Paint:

1. Shop primer, general: Coordinate primer with finish paint and coating, as applicable, to provide sound foundation for field-applied topcoats despite prolonged exposure during construction. Refer to Section 09 90 00 Painting and Coating.
2. Shop primer for ferrous metal at exposed exterior locations: Tnemec Series 90-97 Tneme-Zinc Two-part Catalyzed Epoxy Coating.
3. Shop primer for ferrous metal at concealed exterior locations and for interior locations: Tnemec Series 10, modified alkyd rust-inhibitive primer, or manufacturer's or fabricator's standard, fast-curing, lead-free, universal modified alkyd primer, complying with performance requirements of SSPC - Paint 13.
4. Shop primer for galvanized steel, for exposed exterior locations: Tnemec Series 66 Epoxyline Two-Part Catalyzed Epoxy Coating, or approved equivalent compatible with finish coating.

D. Field Primer and Finish Paints: As specified in Section 09 90 00 Painting and Coating.

E. Bituminous Coating: High-build mineral-filled coal tar pitch coating, Tnemec 46-450 Heavy Tnemecol, or equal; or a cold-applied asphalt mastic complying with SSPC - Paint 12, except containing no asbestos fibers.

PART 3 - EXECUTION

3.1 METAL FABRICATIONS, GENERAL

A. Metal Fabrications, General: Provide metal fabrications of shapes and sizes indicated for profiles shown.

1. Where specific sizes are not indicated, provide materials of sufficient size, thickness and type to provide necessary strength and durability.
2. Thickness of metal, details of metal, details of assembly and support shall give ample strength and stiffness for the intended purpose.
3. Provide brackets, flanges and anchors of cast or formed metal of the same type material and finish fabricated product, unless otherwise indicated.
4. For exterior fabrications, allow for thermal movement in the design, fabrication, and installation of metal fabrications, to prevent buckling, opening up of joints, and overstressing of welds and fasteners. Accommodate temperature range of 100 degrees F.

B. Ferrous Metal Surfaces, General: For metal fabrications exposed to view upon completion of the Work, provide ferrous metals materials selected for their surface flatness, smoothness, and freedom from surface blemishes. Do not use materials whose exposed surfaces exhibit pitting, seam marks, roller marks, rolled trade names, roughness, and, for steel sheet, variations in flatness exceeding those permitted by reference standards for stretcher-leveled sheet.

C. Preparation Before Fabrication: Remove loose mill scale and rust and remove twists and bends in manners not injurious to materials and finishes.

- D. Shop drawings.
 - 1. Contractor shall verify measurements before fabrication.
 - 2. Hot-dip galvanize fabricated ferrous items after fabrication. Field connections shall be bolted or screwed where possible. Avoid field cutting and welding which damage galvanized coating.
 - 3. Fabricate and shop-assemble in largest practical sections for delivery to site.
 - 4. Prepare and reinforce fabrications as required to receive applied items.
- E. Cutting and Fitting: Fabricate with accurate angles and surfaces, true to the required lines and levels and as required to suit installation conditions.
 - 1. Fabricate items with joints tightly fitted and secured.
 - 2. Make exposed joints tight, flush, and hairline.
 - 3. Punch, drill and ream in manner to leave clean, true lines and surfaces.
 - a. Oversize hole 1/16-inch by punching, when material thickness is equal to or less than bolt diameter plus 1/8-inch.
 - b. Sub-punch 1/16-inch smaller than bolt and drill or ream to oversize by 1/16-inch, when material thickness is thicker than bolt diameter plus 1/8-inch.
 - 4. Gas cutting of steel will be acceptable where stress will not be transmitted through flame-cut surfaces.
 - a. Make cuts clean and to contour.
 - b. Deduct 1/8-inch from effective width of members cut by torch.
 - 5. Cut, reinforce, drill and tap metal fabrications as necessary to receive finish hardware, screws, and similar items.
 - 6. Provide cutouts, fittings, and anchorage provisions as required for coordination of assembly and installation with other Work.
- F. Edges: Ease exposed edges to a radius of approximately 1/32-inch, unless otherwise indicated. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work. Remove sharp or rough areas on exposed traffic surfaces.
- G. Welding: Weld corners and seams continuously to comply with AWS recommendations and the following:
 - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 - 2. Obtain fusion without undercut or overlap.
 - 3. Remove welding flux immediately.
 - 4. At exposed connections, finish exposed welds and surfaces smooth and blended so that no roughness shows after finishing and contour of welded surface matches those adjacent.
- H. Coordination: Make provisions to connect metal fabrications with or to receive work specified in other Sections.

- I. Connections, General: Component parts of built-up members shall be well-pinned with closely-fitted contact. Conceal connections where possible. Otherwise, make countersinks for concealment after fabrication, except where noted.
- J. Joints, General: Fit or miter to hairline tolerances. Provide lugs, clips, anchors and miscellaneous fastenings necessary for complete assembly and installation. Component parts of built-up members shall be well-pinned with closely fitted contact.
 - 1. Joints on finished surfaces: Provide welds ground smooth and filled.
 - 2. Joints exposed to weather or water: Fabricate to keep water out, or provide adequate drainage of water that penetrates.
- K. Steel Tubing and Piping Fabrication: Unless otherwise indicated, close ends with plate stock so no exposed ends of tubing and piping. Grind all edges.
- L. Mechanical Finishes: Complete finishing prior to fabrication wherever possible.
 - 1. After fabrication, finish all joints, bends, abrasions, and other surface blemishes to match finish.
 - 2. Protect finish on exposed surfaces by using temporary protective covering.
- M. Sheet Metal Joints: Hem exposed edges.
- N. Embedded Fabrications: For embedment in concrete, provide weld-on lugs or anchors as detailed or necessary.
- O. Bolted and Screwed Connections:
 - 1. Provide holes and connections for Work specified in other Sections.
 - 2. Use bolts for field connections only.
 - 3. Draw all nuts tight and nick threads of permanent connections.
 - 4. Use beveled washers where bearing is on sloped surfaces. Where screws must be used for permanent connections in ferrous metal, use flat head type, countersunk, with screw slots filled and finished smooth and flush.
- P. Brazing: Brazing shall be of adequate strength and durability with joints tight and flush, smooth and clean. All exposed surfaces shall be ground and finished flush, free of brazing discoloration and other marks. Brazing on finished surfaces shall be indistinguishable from parent metal.
- Q. Welding: Conform to AWS D1.1. Do not field weld galvanized components to remain unfinished. Grind welds smooth and flush with base material. Re-weld to fill holes. Putties and fillers will not be accepted.
- R. Light Structural Steel Framing Fabrications: Unless otherwise indicated, fabricate units from structural steel shapes, plates, and steel bars, with continuously welded joints and smooth exposed edges.
 - 1. General: Design of fabrications shall be by licensed Professional Engineer, registered in the State of California. Fabricate structural steel members in accordance with AISC Specification for the Design, Fabrication and Erection of Structural Steel for Buildings and in compliance with Uniform Building Code (CBC), Chapter 22A.

2. Shop Connections: Make welded connections by shielded-arc method in accordance with AWS D1.1.
 - a. For load-bearing fabrications, comply with requirements specified in Section 05 12 00 - Structural Steel Framing.
 - b. Welding shall be done in the shop unless otherwise shown or specified.
 - c. Prior to welding, preheat members in accordance with AISC Section J2.7.
 - d. All welds not otherwise identified shall be continuous fillet welds, with size based on AISC standards for thicker part being joined.
 - e. Grind and dress smooth all welds exposed in finished Work to preserve shape and profile of welded item.
 3. Welding Inspection: For load-bearing fabrications, shop welding shall be continuously inspected by certified inspector, except welding performed by an approved fabricator, as described in California Building Code (CBC) Chapter 17A, Section 1701A.7.
 4. Field Connections: Provide bolted connections, except where welded connections are indicated.
 5. Shop Painting: Shop prime all light structural steel fabrications, except fabrications to be encased in concrete. Apply one-coat shop primer paint system in accordance with SSPC Paint System PS 7.01.
- S. Steel Tubing and Piping Fabrications: Close ends with plate stock, no exposed ends; grind edges.
- T. Shop Assembly: Pre-assemble items in shop to greatest extent possible to minimize field splicing and assembly.
1. Disassemble units only as necessary for shipping and handling limitations.
 2. Use connections that maintain structural value of joined pieces.
 3. Clearly mark units for reassembly and coordinated installation.
- 3.2 GALVANIZING
- A. Galvanizing, General:
1. Ferrous metal fabrications shall be galvanized only as specified or noted on the Drawings.
 2. Where galvanized finish is specified or noted, ferrous fabrications shall galvanized in accordance with applicable referenced ASTM standards, after fabrication.
 3. Galvanizing shall be by hot dip method only, unless otherwise specified.
- B. Product Fabrication, General: Fabricate products to be galvanized in accordance with Recommended Details for Galvanized Structures by American Hot Dip Galvanizers Association, Inc.
1. Comply with applicable portions of ASTM A143, A384 and A385, except as otherwise specified herein. Avoid techniques which could cause distortion or embrittlement of steel.
 2. Notify Architect before and during submittals review and before fabrication proceeds, of potential warpage problems which may require design modification.

- C. Product Preparation for Galvanizing:
 - 1. Remove welding slag and burrs.
 - 2. Provide holes and lifting lugs as necessary for handling during galvanizing process and only at positions approved by Architect.
 - 3. Remove grease, oil, paint and other deleterious materials.
 - 4. Do not use unsuitable marking paints on steel prior to galvanizing.
 - 5. Use blast cleaning or other method as necessary if surface contaminants and coatings cannot be removed by normal chemical cleaning process.
 - D. Surface Preparation:
 - 1. Pre-clean using caustic bath, acid pickle and flux.
 - 2. Alternatively, pre-clean by blast cleaning and fluxing.
 - 3. Conform to ASTM A123 and A386, as applicable, for steel members, fabrications and assemblies.
 - 4. Conform to ASTM A153 for bolts, nuts and washers, and steel hardware components.
 - 5. Conform to ASTM A143 for protection against embrittlement.
 - E. Galvanizing Bath: Use not less than 98.0 percent zinc.
 - F. Zinc Coating Weight: Conform to Paragraph 6.1 of ASTM A123, Table 1 of ASTM A153 and Table 1 of ASTM A386, as applicable.
 - G. Zinc Coating Surface Finish: Wipe down surfaces after dip to remove pin holes, scale, drips, runs and points. Finish shall be continuous, adherent, smooth and evenly distributed, free from defects detrimental to intended end use and finishing of coated product.
 - H. Zinc Coating Adhesion: Adhesion shall be sufficient to withstand normal handling during transport and erection.
 - I. Cold Galvanizing Compound: High zinc dust content paint for regalvanizing welds in galvanized steel, with dry film containing not less than 94 percent zinc dust by weight, and complying with DOD-P-21035 or SSPC-Paint-20; ZRC Zinc Rich Coating, or equal.
 - J. Portions Not to Receive Galvanizing: Protect portions of parts to be embedded in concrete from galvanizing, except galvanize anchors and sleeves built into concrete and masonry.
- 3.3 SHOP PAINTING
- A. Shop Priming and Painting, General: Conform to SSPC Painting Manual.
 - B. Products to be Primed: Shop primer paint after fabrication all metal fabrications, except as follows.
 - 1. Do not prime stainless steel, plated steel and anodized aluminum fabrications, unless specifically noted.
 - 2. Do not prime mill finish aluminum fabrications intended to remain unfinished.
 - 3. Do not shop prime galvanized fabrications, unless specifically noted.
 - 4. Do not shop prime fabrications embedded in concrete or mortar.

5. Do not shop prime fabrications for which an entirely field-applied coating system is indicated.
 - C. Preparation for Priming: Prepare all surfaces to be coated, as follows.
 1. Solvent-clean in accordance with SSPC-SP 1.
 2. Exterior fabrications: Clean in accordance with SSPC-SP 5, SSPC-SP 6, SSPC-SP 8, or SSPC-SP 10.
 3. Interior fabrications: Clean in accordance with SSPC-SP 3, SSPC-SP 5, SSPC-SP 6, SSPC-SP 8, or SSPC-SP 10.
 - D. Shop Priming: Comply with SSPC-PA 1. Coordinate with requirements specified in Section 09 90 00 Painting and Coating.
 1. Apply primer immediately following surface preparation.
 2. Do not prime surfaces to be welded.
 3. Do not prime surfaces in direct contact bond with concrete or mortar.
 4. Spray apply shop prime without holidays, drips, runs.
 5. Provide two coats where product will not be finish painted or will be concealed in completed work.
 6. Apply an additional coat to corners, welds, edges, and fasteners.
 - E. Drying: Allow paint to dry before handling.
 - F. Steel Embedded in Concrete: Coat concealed faces with bituminous coating.
 - G. Galvanizing Pre-Treatment: Where zinc-coated surfaces are specified to be shop primed, chemically treat surfaces to provide bond for paint before applying primer.
 - H. Shop-Applied Finish Painting: Apply thermosetting enamel paint, gloss or semi-gloss, of a type and color as selected and approved by Architect, if not otherwise specified.
 1. Shop applied finish paint shall be baked to set and cure.
 2. Allow finish paint to thoroughly dry and cure before handling.
- 3.4 ROUGH HARDWARE
- A. Rough Hardware, General: Provide bent or otherwise custom fabricated bolts, plates, anchors, hangers, dowels, and other miscellaneous steel and iron shapes as indicated on Drawings.
 - B. Rough Hardware Fabrication: Fabricate items to sizes, shapes, and dimensions required. Provide malleable-iron washers for heads and nuts which bear on wood structural connections; elsewhere, furnish steel washers.
- 3.5 SLEEVES
- A. Sleeves: Fabricated from steel pipe as indicated on Drawings and specified for plumbing, mechanical and electrical Work.
 - B. Diameter: See Structural Drawings for additional requirements. Diameter shall be such that sleeve provides required clearance for components passing through it, including thermal insulation and firestopping materials.

- C. Sleeves Through Concrete and Masonry: Fabricate sleeve from standard weight steel pipe, galvanized after fabrication where below grade or exposed to weather or wet or damp conditions.
- 3.6 LOOSE BEARING AND LEVELING PLATES
 - A. Loose Bearing and Leveling Plates: Provide loose bearing and leveling plates for steel items bearing on concrete and masonry construction, made flat, free from warps or twists, and of required thickness and bearing area. Drill plates to receive anchor bolts and for grouting as required. Galvanize fabrications after fabrication.
- 3.7 STEEL ANGLE NOSINGS AND THRESHOLDS
 - A. Steel Angle Nosings and Thresholds: Steel angle shapes, size and weight as indicated on Drawings, hot-dip galvanized after fabrication, with steel bolts or bent steel strip welded to underside to anchor in place.
- 3.8 PIPE BOLLARDS
 - A. Steel Pipe Bollards: As detailed on Drawings. Provide for padlocks at removable bollards, as detailed on Drawings.
 - B. Material: Standard weight, galvanized steel pipe, size as indicated on Drawings.
 - C. Cap: Formed steel, where indicated on Drawings.
 - D. Sleeves for Removable Bollards: Fabricate from steel pipe, sized as indicated on Drawings.
 - E. Grout: Where fill inside of steel pipe is indicated, portland cement and sand mixture, dome shaped at top as indicated on Drawings.
- 3.9 OTHER FABRICATIONS
 - A. Other Fabrications: Provide fabrications not specifically described but required for a complete and proper installation, as selected by the Contractor, subject to review by Architect.

END OF SECTION

05 52 00 – METAL RAILINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Railings at exterior stairs and ramps.

1.3 SUBMITTALS

- A. Submit shop drawings of all metal railing installations.

PART 2 - PRODUCTS

2.1 STEEL MATERIALS

- A. Steel Bars and Bar Sized Shapes: ASTM A306 Grade 65 or ASTM A36.
- B. Steel Pipe: ASTM A53 Grade A, Schedule 40 seamless or welded.
- C. Cast Iron: ASTM A48, Class 30 or higher, soft gray iron.
- D. Malleable Iron Casting: ASTM A47, Grade 32510.
- E. Steel Tubing, Hot-formed, Welded or Seamless: ASTM A501.
- F. Welding Rods: ASTM A233 Series E60 or E70, conforming to AWS D1.1.

2.2 GROUTING COMPOUNDS

- A. Specified Manufacturer: Master Builders Technology, Inc., Cleveland, OH, (216/831-5500; local representative, Rancho Cucamonga, CA, 909/466-6267).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. Euclid Chemical Co., Cleveland, OH (216/531-9222 or 800/321-7628).
 - 2. L&M Construction Chemicals, Inc., Omaha, NE (402/453-6600 or 800/362-3331).
 - 3. Sika Corporation, Lyndhurst, NJ (201/933-8800; local representative, Santa Fe Springs, CA, 310/941-0231).
- C. Shrinkage-Resistant Setting Grout: For setting railing posts and similar components in sleeves or blockouts in concrete; pre-mixed, natural aggregate, minimum 5000 psi 28-day compressive strength, Master Builders Technology, Inc., Set Grout.

2.3 ACCESSORY MATERIALS

- A. Primer Coating: For shop application at time steel products are fabricated.
 - 1. Specified Manufacturer: Tnemec Company, Inc., Kansas City, MO (local representative, TPC Consultants, Inc., Manhattan Beach, CA, 310/643-5191).
 - 2. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - a. Ameron Protective Coatings, Brea, CA (714/529-1951 or 800/344-0025).
 - b. Carboline Company, St. Louis, MO (800/848-4645).
 - c. Primer coating for plain steel: Tnemec Series 90-97 Tneme-Zinc, two-component catalyzed epoxy coating.
 - d. Primer coating for galvanized steel: Tnemec Series 66 Epoxoline, two-component catalyzed epoxy coating.
- B. Expansion Anchors: Wedge-type anchors. Provide manufacturer, product, type and size as identified on Structural Drawings. If products are not indicated on Drawings, then provide anchors as directed by the Architect (Structural Engineer) and approved by Division of the State Architect (DSA). Equivalent products of other manufacturers will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements, if approved by DSA. Comply with California Building Code (CBC) Section 1923A.3 and Division of the State Architect (DSA) - Interpretation of Regulations Document IR 19-1. Powder-actuated driven fasteners will not be acceptable.

PART 3 - EXECUTION

3.1 STEEL PIPE HANDRAILS AND GUARDRAILS

- A. Steel Pipe Handrails and Guardrails, General: Fabricate railings in accordance with NAAMM Pipe Railing Manual and as required for specified design requirements. Provide stock pipe and tubing and manufactured components sized and arranged as indicated on Drawings and specified herein.
- B. Round Railings: Standard weight steel pipe or tubing, unless otherwise noted.
- C. Internal Stiffeners: Cast iron, malleable iron, pipe or tube. Fit snugly.
- D. Dimensions, Spacing and Configuration: As shown on Drawings and as specified herein.
 - 1. Handrails: For stairs and ramps, size as indicated on the Drawings, minimum 1-1/4 inches net outside diameter to maximum 1-1/2 inches net outside diameter, configured for 1-1/2 inches clear from side walls.
 - 2. Top Rails: Run continuously over posts, level and not less than minimum height indicated on the Drawings and required by California Building Code (CBC).
 - 3. Vertical Members: Lay out as shown, evenly spacing verticals in each run. Where two runs are adjacent to each other, align verticals on each side. Set posts as required for design requirements and a maximum of 60 inches on center. Fabricate verticals for plumb and true installation.

4. Bottom Railing: Parallel to top rail and with floor surface or stair stringer, as applicable.
5. Alignment: Centerline of members within each railing run shall be in same vertical plane.

E. Cutting and Fitting:

1. Power cut throughout; gas cutting not permitted at joint.
2. Cope to fit intersecting members. Bevel ends to receive full fillet weld.
3. Provide corners neatly mitered, coped, welded and ground smooth.
4. Provide connections with fittings or, at Contractor's option, neatly coped, welded and ground.

F. Fabrication:

1. Fabricate railings in largest practicable sections to minimize field joints.
2. Fabricate rails in true, straight alignment.
3. Provide for field-welded joints. Fabricate to hairline tolerances before welding.
4. Grind projections, terminations and edges smooth.
5. Provide closures on exposed ends.
6. Do not use exposed fastening plates except as specifically detailed. Use concealed plug or direct welding as applicable.

- G. Welding: Provide backup or stiffeners at joints to hold joint in perfect alignment during welding. Weld all around joint. Grind all welds smooth and dressed.

3.2 SLEEVES AND POST HOLES

- A. Sleeves for Removable Railing Sections: Steel pipe sleeve, oversized to provide minimum of 1/8-inch difference between inside diameter of sleeve and outside diameter of removable post or bollard.

3.3 SHOP PAINTING

- A. Shop Painting, General: Conform to SSPC Painting Manual.
- B. Products to be Primed: Prime paint all parts after fabrication.
- C. Preparation for Priming: Thoroughly prepare by removing all oil, grease, weld slag and other deleterious substances.
- D. Steel Embedded in Concrete: Coat concealed faces with bituminous coating.
- E. Priming: Spray apply shop prime Provide two coats where product will not be finish painted or will be concealed in completed Work. Sand and re-prime areas where coverage is incomplete or where runs occur.
- F. Primer Paint Application:
1. Spray apply primer paint, to minimum thickness recommended by primer manufacturer, without holidays, drips, runs.
 2. Apply one coat typically and two coats where coated product will not be finish painted.

- 3. Do not prime surfaces to be in contact with concrete.
- 4. Sand and re-prime areas where coverage is incomplete or where runs occur.
- G. Drying: Allow paint to thoroughly dry before handling.

END OF SECTION

05 59 23 – TRENCH AND ACCESS COVERS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Trench covers.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Balco, Inc., Wichita, KS (316/945-9328 or 800/767-0082).
- B. Acceptable Manufacturers: Equivalent products by Wooster Products, Inc., Wooster, OH (800/321-4936) will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.

2.2 MATERIALS

- A. Aluminum Plate: ASTM B 209, alloy 6061-T651.
- B. Aluminum Extrusions: ASTM B221, alloy 6063-T5.
- C. Accessories: Fasteners, accessories, and other materials required for complete installation to manufacturer's instructions. Refer to Section 05 05 23 – Metal Fastenings for requirements for anchors and fasteners to building substrates.

PART 3 - EXECUTION

3.1 TRENCH COVERS

- A. Trench Covers: Type TST Trench Cover by Balco, Inc., dimensions and specific catalog number(s) as indicated on the Drawings.
- B. Cover Plate: 1/8-inch recessed surface, suitable for flush installation of resilient flooring, metal thickness as necessary to support design loads.
- C. Fabrication: Fabricate trench cover assemblies as detailed. Provide splice covers and closures as necessary for complete installation.
 - 1. Provide trench covers of length and width as indicated on the Drawings.

2. Fabricate splices, special transitions, corner units, corner fittings, intersections, and end closures as required.
3. Joints shall be factory mitered and welded.
4. Provide necessary and related parts, devices, anchors, and other items required for complete installation to suit Project conditions, including floor coverings around and on trench covers.

D. Exposed Aluminum:

1. Exposed aluminum surfaces shall be clear anodized.
2. Aluminum surfaces in contact with concrete shall be prime painted. Refer to Section 05 50 00 - Metal Fabrications for bituminous coating to protect aluminum from effects of contact with concrete.

END OF SECTION

05 59 33 – EXPANSION JOINT ASSEMBLIES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Prefabricated seismic separation joint covers for exterior walls, roofs, interior walls and ceilings.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Metals:
 - 1. Aluminum: ASTM B221, alloy 6063-T5 for extrusions; ASTM B209, alloy 6061-T6, sheet and plate.
 - 2. Stainless Steel: ASTM A167, Type 304 with 2B finish, unless indicated otherwise, for plates, sheet, and strips.
- B. Non-Metal Products:
 - 1. Extruded Preformed Seals: Single- or multi-layered rubber extrusions as classified under ASTM D2000, designed with or without continuous, longitudinal, internal baffles and formed to fit compatible frames, in color indicated, or, if not indicated, as selected by Architect from manufacturer's standard colors.
 - 2. Seismic Seals: Typically two single layered rubber extrusions, one interior and one exterior, as classified under ASTM D2000, retained in a set of compatible frames, in color indicated, or, if not indicated, as selected by Architect from manufacturer's standard colors.
- C. Accessories: Manufacturer's standard anchors, fasteners, set screws, spacers, flexible vapor seals and filler materials, drain tubes, adhesive, and other accessories compatible with material in contact, as indicated or required for complete installations.
- D. Metal Finishes, General: Comply with NAAMM - Metal Finishes Manual, for finish designations and application recommendations, except as otherwise indicated. Apply finishes in factory after products are fabricated. Protect finishes on exposed surfaces with protective covering before shipment.
- E. Aluminum Finishes:
 - 1. Concealed aluminum components: AA-M10 (unspecified mill finish).
 - 2. Exposed aluminum components, exterior locations: Fluoropolymer, thermosetting paint (Ausimont Hylar 5000 resin or ELF Atochem Kynar 500 resin) conforming to AAMA 605.2, custom color as directed.

3. Exposed aluminum components, interior locations: Satin anodized, AA-C22A41; medium matte etched finish with 0.7-mil minimum thick anodic coating.
4. Factory-primed concealed surfaces: Protect concealed metal surfaces that will be in contact with concrete and masonry surfaces when installed by applying a shop coat of manufacturer' standard primer to contact surfaces. Provide minimum dry film thickness of 2.0 mils.

2.2 PRE-FABRICATED SEPARATION JOINT COVERS

- A. Specified Manufacturer: Conspec Systems, Inc. (C/S Group), Muncy, PA (717/546-5169; Southern California sales office 714/860-5000).
- B. Acceptable Manufacturers: Equivalent products of manufacturers listed below will be considered in accordance with the "or equal" provisions of the Contract.
 1. MM Systems Corporation, Tucker, GA (404/938-7570 or 800/241-3460; local representative, Specialty Building Components, Whittier, CA, 310/945-8951).
 2. Metalines, Inc., Oklahoma City, OK, 800/654-6778 (local representative, M.H. Powell & Co., Inc., Los Angeles, CA, (213/263-9696).
 3. Balco, Inc., Wichita, KS (316/945-9328 or 800/767-0082).
 4. Watson Bowman Acme Corp., Amherst, NY (716/691-7566).
- C. Expansion Joint Covers, General: Joint cover systems shall provide movement in all directions, for suitability as seismic joint covers.
 1. Design: Provide expansion joint cover assemblies of design, basic profile, materials, and operation indicated on Drawings and specified herein.
 2. Specified assemblies: Select units comparable to those indicated or required to accommodate joint size, variations in adjacent surfaces, and structural movement.
 3. Joint widths: As indicated on Drawings.
- D. Expansion Joint Covers: C/S series are indicated. Provide appropriate catalog number to suit joint width. Provide factory-fabricated transition pieces to suit products and field conditions.
 1. Roof to exterior wall: C/S SRJW-400, 4-inch joint width, weather-tight.
 2. Exterior walls: C/S SF-400, flush front seal, 4-inch joint width.
 3. Interior flat wall/ceiling: C/S FWF-400.
 4. Interior corner wall/ceiling: C/S FWFC-400.

2.3 FINISHES

- A. Exposed Plastic Components: Color as indicated; where not indicated, color shall be as selected by Architect from manufacturer's full product selection.
- B. Exposed Resilient Filler: Color as selected by Architect.
- C. Exposed Aluminum Components: Mill finish aluminum at exterior, for field finish painting, and satin anodized aluminum at interior.

D. Concealed Steel Components:

1. Steel embedded in masonry or concrete: Hot-dipped galvanized after fabrication.
2. Steel concealed in frame construction: One coat of manufacturer's standard rust-inhibiting primer paint, applied after fabrication.

2.4 ACCESSORY MATERIALS

- A. Anchors, General: Comply with requirements specified in Section 05 05 23 - Metal Fastenings for anchoring to building substrates.
- B. Fasteners for Expansion Joint Covers, General: Unless otherwise indicated, provide fasteners of type, grade and class required for intended use and sized and spaced as required for loads and substrate.
 1. Concealed locations: Steel with cadmium-plating or other rust-inhibitive coating, except at aluminum materials provide stainless steel only.
 2. Exterior exposure, exposed in damp location or where built into exterior walls: Zinc-coated (galvanized) or stainless steel.
 3. Exposed anchors and fasteners: Same material, color and finish as the metal to which applied, except use only stainless steel at aluminum materials and cadmium plated at interior prepainted steel products.
- C. Screw Heads, Typical: Unless otherwise noted, exposed screws shall be phillips oval or flat head, countersunk.
- D. Bituminous Coating: Tnemec 46-465 H.B. Tnemecol, or equal, high-build coal tar pitch coating, or a cold-applied asphalt mastic complying with SSPC-Paint 12, except containing no asbestos fibers

PART 3 - EXECUTION

3.1 EXPANSION JOINT COVER FABRICATION:

- A. Furnish units in longest practicable lengths to minimize number of end joints. Minimize site splicing.
- B. Provide hairline mitered corners where joint changes directions or abuts other materials.
- C. Include closure materials and transition pieces, tee-joints, corners, curbs, cross-connections, and other accessories as required to provide continuous joint cover assemblies.
- D. Back paint components in contact with cementitious materials to prevent electrolysis.
- E. Shop assemble components and package with anchors and fittings.

END OF SECTION

DIVISION 06 – WOOD, PLASTICS AND COMPOSITES

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements

06 11 00 – WOOD FRAMING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Rough carpentry for the following structural purposes:
 - 1. Framing with lumber for walls and roofs.
 - 2. Sheathing with plywood or other wood panel products.
- B. Rough carpentry for non-load bearing wood stud partitions and ceiling joists.
- C. Related framing anchors and connectors.

PART 2 - PRODUCTS

2.1 DIMENSIONED LUMBER

- A. Dimensioned Lumber: Provide lumber manufactured in compliance with PS 20 - American Softwood Lumber Standard and with applicable grading rules of inspection agencies certified by American Lumber Standards Committee's (ALSC) Board of Review.
- B. Lumber Species and Grades: Wood species and stress grades as noted on the (Structural) Drawings. Regrade large members when cut or ripped.
- C. Lumber Markings:
 - 1. Provide lumber with each piece factory-marked with grade stamp of inspection agency, evidencing compliance with grading rule requirements and identifying grading agency, grade, species, moisture content at time of surfacing, and mill.
 - 2. For exposed lumber furnish pieces with grade stamps applied to ends or back of each piece; or omit grade stamps entirely and provide certificates of grade compliance issued by inspection agency.
- D. Lumber Sizes: Nominal sizes are indicated, except as shown by detail dimensions. Provide actual sizes as required by PS 20, for moisture content specified for each use.
- E. Lumber for Load-Bearing Members: Species as indicated on the Structural Drawings, conforming to WCLIB or WWPA grading standards as applicable.
- F. Surfacing: Provide dressed lumber, S4S, unless otherwise indicated.

- G. Moisture Content: All lumber shall be kiln-dried to percent specified below. Air season in place, protected from rain and high humidity conditions, no less than 15 days before applying finish materials.
 - 1. Concealed lumber: 19 percent maximum moisture content at time of dressing and shipment, unless otherwise indicated.
 - 2. Exposed lumber and timber: 15 percent at time of delivery, unless otherwise indicated.
 - H. Sill Plates: Pressure preservative treated, No. 1 or Better, douglas fir.
 - I. Exposed Framing: Provide material complying with the following requirements:
 - 1. Definition: Exposed framing refers to dimension lumber that is not concealed by other construction and is indicated to receive a stained or natural finish.
 - 2. Grading: Material hand-selected at factory from lumber of species and grade indicated below that complies with Appearance grade requirements of ALSC National Grading Rule; issue inspection certificate of inspection agency for selected material.
 - 3. Species: Provide same species and grade as indicated for structural framing.
 - J. Non-load Bearing and Furring: Douglas fir, No. 1 and Better grade, unless otherwise indicated on Drawings.
 - K. Miscellaneous Framing: For site structures and other exposed conditions, provide No. 1 grade douglas fir-larch or better, selected for appearance. At site structures, provide light sandblast finish on exposed wood framing.
 - L. Wane: Limit wane to 5 percent of members in accordance with WWPA standards. Do not locate members with wane at plywood sheathing joints, at solid blocking or at double plates.
- 2.2 STRUCTURAL PANELS
- A. Plywood Materials, General: APA Performance-Rated Panels, Group 1 Series, PS 1-95, species and thickness as indicated on Drawings and as specified herein.
 - B. Plywood Panels for Roof Sheathing: Douglas fir, Structural I, APA RATED SHEATHING.
 - 1. Exposure Durability Classification: EXTERIOR with exterior glue.
 - 2. Thickness: As indicated on the Drawings.
 - 3. Edge detail, low slope roofs: Square if all edges supported on framing or tongue-and-groove (T&G) if edges are unsupported. Plyclips will not be acceptable.
 - C. Plywood Panels for Wall Sheathing: Douglas fir, Structural I, APA RATED SHEATHING.
 - 1. Exposure Durability Classification: EXTERIOR.
 - 2. Thickness: As indicated on the Drawings.
 - 3. Edge detail: Square.

2.3 PRESERVATIVE TREATED WOOD PRODUCTS

- A. Wood Treatments, General: Where used for exposed locations, treatment materials shall be types guaranteed to not adversely affect durability and appearance of applied finishes.
 - 1. Treatment materials having a highly persistent, noticeable residual odor will not be permitted.
 - 2. After treatment, kiln or air dry lumber and plywood to a moisture content of 19 percent or less.
- B. Preservative Treatment, Members Intended for Finishing: Water-borne salt preservatives for painted, stained, or exposed natural wood product, AWPB LP-2, above ground application and AWPB LP-22, ground contact application.
- C. Preservative Treatment, Members Not Intended for Finishing: Oil-borne preservatives for any construction except when in contact with salt water, AWPB LP-33, ground contact application, light petroleum solvent.

2.4 CONNECTORS

- A. Framing Connectors:
 - 1. Specified Manufacturer: Simpson Strong-Tie Co., Pleasanton, CA (510/460-9912 or 800/999-5099; local representatives, Brea, CA (714/871-8373 or 800/999-5099). Or equal
 - 2. Acceptable Manufacturers: None identified. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements. Substitutions shall have equivalent values according to current ICBO Research Report and shall be used only with prior approval of Architect, based on review by Structural Engineer, and shall be approved by Division of the State Architect (DSA).
 - 3. Light framing connectors: Simpson Strong-Tie Connectors, formed of sheet steel, catalog numbers as indicated on the Drawings or, if not indicated, to suit Project conditions and approved by Architect and Division of the State Architect (DSA).
 - 4. Heavy framing connectors: Simpson Strong-Tie Connectors, formed of steel plate or heavy gauge steel sheet, catalog number as indicated on the Drawings and to suit Project conditions. Provide custom or special-order framing connectors as indicated on the Drawings or, if not indicated, as necessary to suit Project conditions and approved by Architect and Division of the State Architect (DSA).
 - a. Stock framing connectors: Simpson - Strong Tie Connectors, catalog numbers as indicated on the Drawings or, if not indicated, to suit Project conditions as approved by Architect and DSA.
 - b. Custom framing connectors and connectors for decorative purposes: Fabricated as indicated on Drawings and as specified in Section 05 50 00 - Metal Fabrications.
 - 5. Finishes:
 - a. Light framing connectors: Provide manufacturer's standard galvanized finish.
 - b. Heavy framing connectors, exterior: Hot-dipped galvanized, equivalent to ASTM A525, Coating Designation G90.

- c. Heavy framing connectors, interior: Plain steel with shop primer paint finish, as specified in Section 05 50 00 - Metal Fabrications.
- d. Custom framing connectors: Fabricated as specified in Section 05 50 00 - Metal Fabrications. At interior and concealed locations, provide plain steel with shop primer paint finish. At exterior locations, provide hot-dipped galvanized finish.

2.5 FASTENERS AND ANCHORS

- A. Fasteners, General: Size and type as required by California Building Code (CBC) requirements and as indicated on Drawings. Provide electro-galvanized finish at interior high humidity locations and exterior locations not directly exposed to weather. Provide hot-dipped galvanized at exterior locations directly exposed to weather. Plain finish may be provided elsewhere.
- B. Anchor Bolts: ASTM A307 or as indicated on Drawings, galvanized steel at exterior locations.
 - 1. Do not upset threads on bolts.
 - 2. Anchor bolts for hold-downs shall be headed.
- C. Machine Bolts: ASTM A307, hex head and nut, full bearing on unthreaded shank, length for maximum 1-1/2-inch beyond nut, with steel washer under head and nut. Provide hot-dipped galvanized finish at exterior locations.
- D. Nails, Typical: Common wire, sizes as indicated on Drawings and as required by California Building Code (CBC) Chapter 23A, Table No. 23A-II-B-1 and applicable reference standard.
 - 1. No box nails shall be used.
 - 2. Machine applied nailing will be subject to approval as specified on the Drawings and as approved by Division of the State Architect (DSA).
- E. Roofing Nails: As noted on (Structural) Drawings.
- F. Expansion Anchors: As specified in Section 05 05 23 – Metal Fastenings.
- G. Powder-Driven Fasteners: Provide powder-driven fasteners only if approved by Architect. Generally, powder-driven fasteners will not be permitted at load-bearing conditions. See Section 05 05 23 – Metal Fastenings for fasteners. If permitted, provide fasteners of type and size as indicated and as recommended by manufacturer for Project conditions.
- H. Construction Adhesive: APA Spec. AFG-01.
- I. Grout for Sill Plates: Type S mortar cement grout in accordance with California Building Code (CBC) Table 21A-A.
- J. Lag Bolts and Screws: Fed Spec FF-S-588, size as indicated on Drawings and as specified in Section 05 05 23 – Metal Fastenings. Provide hot-dipped galvanized finish at exterior locations.
- K. Screws: Fed Spec FF-S-85, Fed Spec FF-S-92 and Fed Spec FF-S-111, type and grade best suited for the purpose, size as indicated on Drawings and as specified in Section 05 05 23 – Metal Fastenings.
- L. Cast Iron Washers and Spacers: Alhambra Foundry Co., Ltd., Alhambra, CA (818/289-4294), black iron as shown on Drawings.

- M. Bevel and Angle Washers: Alhambra Foundry Co., Ltd., Alhambra, CA (818/289-4294), as shown on Drawings.
- N. Cast Iron Spool: Alhambra Foundry Co., Ltd., Alhambra, CA (818/289-4294), as shown on Drawings.

PART 3 - EXECUTION

3.1 WOOD PRESERVATIVE TREATMENTS

- A. Wood Preservative Treatments, General: Where lumber or plywood is indicated as preservative-treated or is specified to be treated, comply with applicable requirements of AWPA C2 (Lumber) and AWPA C9 (Plywood).
 - 1. Mark each treated item with the Quality Mark Requirements of an inspection agency approved by American Lumber Standards Committee (ALSC) Board of Review.
 - 2. Comply with California Building Code (CBC), Section 2303A.1.3, Section 2317A and Section 2326A.6.
- B. Wood Members Located Above Ground: Pressure-treat above ground items with water-borne preservatives to a minimum retention of 0.25 pcf. After treatment, kiln dry lumber and plywood to a maximum moisture content of, respectively, 19 percent and 15 percent. Treat indicated items and the following:
 - 1. Wood cants, nailers, curbs, equipment support bases, blocking, stripping and similar members related to roofing, flashing, vapor barriers and waterproofing.
 - 2. Wood sills, sleepers, blocking, furring, stripping and similar concealed members in contact with masonry or concrete.
 - 3. Wood floor plates installed over concrete slabs directly in contact with ground.
- C. Wood Members Located in Contact with Ground: Pressure-treat wood members in contact with ground or fresh water with water-borne preservatives to a minimum retention of 0.40 pcf.
- D. Coordination with Fabrication: Complete fabrication of treated items prior to treatment, where possible. If cut after treatment, coat cut surfaces in compliance with AWPA M4. Inspect each piece of lumber or plywood after drying and discard damaged or defective pieces.

END OF SECTION

06 11 11 – WOOD BACKING, BLOCKING AND CURBING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Blocking for wall and roof openings.
- B. Roof curbs and cants.
- C. Wood furring and grounds.
- D. Construction panels for non-structural deck and wall sheathing and backing.
- E. Related framing anchors and connectors.

PART 2 - PRODUCTS

2.1 DIMENSION LUMBER AND BOARDS

- A. Dimension Lumber and Boards, General: Provide douglas fir or douglas fir/larch, grade as appropriate for intended use. Blocking stock shall be solid and without defects detrimental for use to secure attached products.
- B. Lumber Standards: Furnish lumber manufactured to comply with PS 20 - American Softwood Lumber Standard, and with applicable WCLIB Grading Rules or WWPA Grading Rules.
 - 1. Provide lumber with each piece factory-marked with grade stamp of inspection agency evidencing compliance with grading rule requirements and identifying grading agency, grade, species, moisture content at time of surfacing, and mill.
 - 2. Inspection agencies and the abbreviations used to reference them with lumber grades and species include the following:
 - a. WCLIB - West Coast Lumber Inspection Bureau.
 - b. WWPA - Western Wood Products Association.
- C. Lumber Sizes: Nominal sizes are indicated, except as shown by detail dimensions. Provide actual sizes as required by PS 20, for moisture content specified for each use.
- D. Surfacing: Provide dressed lumber, S4S, unless otherwise indicated.
- E. Moisture Content: All lumber shall be kiln-dried to percent specified below. Air season in place, protected from rain and high humidity conditions, no less than 15 days before applying finish materials.
 - 1. Concealed lumber: 19 percent maximum moisture content at time of dressing and shipment, unless otherwise indicated.

2. Exposed lumber and timber: 15 percent at time of delivery, unless otherwise indicated.

- F. Wane: Limited to a minimum of 5 percent of members in accordance with WWPA rules. Do not locate members with wane at plywood sheathed joints, at solid blocking, or at double plates.

2.2 CONSTRUCTION PANELS

- A. Construction Panels, General: APA Performance-Rated Panels, species and thickness as indicated on Drawings and as specified herein.
 1. Comply with PS 1-95 Series for plywood (cross-laminated wood veneer) panels.
 2. Comply with PS 2-92 for composite (veneer faces bonded to wood strand core) and oriented strand board (OSB) panels.
- B. Roof Crickets and Curbs: Provide construction panels for roof crickets and sheathing at curbs.
 1. Provide panel thickness and span rating to suit framing spacing but not less than 1/2-inch thick.
 2. Coordinate thickness with requirements for roofing fire and wind uplift ratings.

2.3 CONNECTORS AND ANCHORS

- A. Framing Connectors: As specified in Section 06 11 00 - Wood Framing.
- B. Fasteners, General: Size and type as required by California Building Code (CBC) requirements and as indicated on Drawings. Provide electro-galvanized finish at interior high humidity locations and exterior locations not directly exposed to weather. Provide hot-dipped galvanized at exterior locations directly exposed to weather. Plain finish may be provided elsewhere.
- C. Anchor Bolts: ASTM A307 or as indicated on Drawings, galvanized steel at exterior locations.
- D. Nails, Typical: Common wire, size as indicated on Drawings and as required by California Building Code (CBC), Chapter 23A, Table No. 23A-II-B-1.
- E. Roofing Nails: 10d by 3 inches long, common wire nails at gable and hip roofs and ring shank plywood nails at flat roofs.
- F. Machine Bolts: ASTM A307, hex head and nut, full bearing on unthreaded shank, length for maximum 1-1/2-inch thread beyond nut. Provide iron washer under head and nut. Length for maximum 1-1/2-inch beyond nut, with steel washer under head and nut.
- G. Lag Bolts and Screws: Fed Spec FF-S-588, size as indicated on Drawings.
- H. Screws: Fed Spec FF-S-85, Fed Spec FF-S-92 and Fed Spec FF-S-111, type and grade best suited for the purpose.
- I. Powder-Actuated Fasteners: As specified in Section 05 05 23 - Metal Fastenings. Use only if approved by Architect, generally not permitted where not specifically indicated or in load-bearing installations.
- J. Construction Adhesive: APA Spec. AFG-01.

2.4 WOOD TREATMENTS

- A. Wood Treatments, General: Where used for exposed locations, treatment materials shall be types guaranteed to not adversely affect durability and appearance of applied finishes.
 - 1. Treatment materials having a highly persistent, noticeable residual odor will not be permitted.
 - 2. After treatment, kiln or air dry lumber and plywood to a moisture content of 19 percent or less.
 - 3. Type A (Surface Applied Preservative): Apply to pretreated lumber and plywood members after cutting, shaping, and bolting.
 - 4. Type B (Pressure Treated Preservative): Provide pressure preservative treated lumber and plywood at all locations where wood members have contact with concrete, masonry or grout.
- B. Surface-Applied Wood Preservative (Type A): For field application.
 - 1. Non-aqueous solution containing not less than five percent pentachlorophenol, commercially prepared and formulated to repel water and inhibit decay.
 - 2. Suitable for application by either brush or dip methods.
 - 3. Integral coloring to allow visual inspection of treated members.
- C. Pressure-Treated Wood Preservative (Type B): For factory application.
 - 1. Required for lumber and plywood where indicated or specified and not otherwise required to be fire-retardant pressure treated.
 - 2. Concealed Locations: Any process acceptable in accordance with UBC Standard 25-12 and meeting specified requirements.
 - 3. Exposed Locations: Treated members shall be milled smooth within limits permitted by process manufacturer.

PART 3 - EXECUTION - NOT USED

END OF SECTION

06 20 00 – FINISH CARPENTRY

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Interior wood trim.
- B. Applied nailers and cleats.
- C. Closet and utility shelving, field fabricated and installed.
- D. Wood panels for backboards at electrical, telephone and other communications equipment and terminals.
- E. Oriented strand board (OSB) panels for ceilings.
- F. Related hardware and attachment accessories.

PART 2 - PRODUCTS

2.1 LUMBER MATERIALS

- A. Sizes:
 - 1. Nominal Sizes: All sizes listed where specific inch dimensions are not noted shall be nominal sizes. Example: 2x4 equals 2-inch nominal by 4-inch nominal stock. Actual dimensions shall be according to dimensions published by referenced agency or association, within manufacturing tolerances allowed by referenced standard.
 - 2. Net Sizes: All sizes listed with actual inch dimensions noted shall be net sizes. Example: 2-1/4-inch x 5/8-inch equals 2-1/4-inch net by 5/8-inch net stock lumber or molding.
 - 3. Yard and board lumber: Sizes in accordance with PS 20.
- B. Wood Grain and Color: Select exposed woods indicated to receive transparent or semi-transparent finish for uniformity in graining and color.

- C. Softwood Lumber and Moldings, Paint Finished: Provide species and grades selected from the following:

Species	Grading Rules - Grade
Douglas Fir - Larch Douglas Fir - South Hem-Fir Idaho White Pine Lodgepole Pine Ponderosa Pine White Woods Western Woods	All species: WWPB Grading Rules, C-Select except Choice for Idaho Pine

- D. Stain, Natural, Transparent or Semi-Transparent Finished Softwood, General: Provide species as listed above, except one grade higher or highest grade.
- E. Softwood Backing, Blocking and Nailers: See Section 06 11 11 - Wood Backing, Blocking and Curbing.
- F. Stain, Natural or Transparent Finished Hardwood: Species as indicated on the Drawings or, if not indicated, assume white oak. Refer to Drawings for finish stain colors.

2.2 CONSTRUCTION PANELS

- A. Plywood Materials, General: APA Performance-Rated Panels, species and thickness as indicated on Drawings and as specified herein. Comply with PS 1-95 Series for plywood (cross-laminated wood veneer) panels.
1. Softwood plywood for shelving: APA A-B where indicated for transparent finish and B-C (Plugged) where indicated as unfinished or for opaque finish; Exposure 2; douglas fir, minimum 3/4-inch thick.
 2. Softwood Plywood for Backboards for Telephone and Electrical Components: As required by serving utility, minimum APA C-D PLUGGED.
 - a. Exposure Durability Classification: EXPOSURE 1.
 - b. Thickness: As indicated on the Drawings, or, if not otherwise indicated, not less than 15/32-inch.
 - c. Treatment: Provide fire-retardant treated plywood if required by authorities having jurisdiction or serving utility; comply with California Building Code (CBC) requirements for flamespread class II (26-75).
 3. Fire-retardant treated plywood: Pyro-Guard by Hoover Treated Wood Products, Thomson, GA (706/595-5058), APA C-D, pressure impregnated with a Type A (third generation) interior fire-retardant in compliance with AWWPA Standard C27; each piece shall bear UL Classification Mark indicating compliance with UL 273. Or equal
- B. Oriented Strand Board (OSB): DOC PS 2, Exposure 1 sheathing, combination subfloor-underlayment. Comply with "Code Plus" provisions in APA Form No. E30K, "APA Design/Construction Guide: Residential & Commercial." Factory mark panels according to indicated standard.

1. Span Rating: Not less than 20 o.c.
 2. Thickness: As needed to comply with requirements specified but not less than thickness indicated on the Drawings.
 3. Edges: Tongue and groove.
 4. Surface Finish: Fully sanded face.
- C. Wood Fiber Board (Particleboard): Medium density fiberboard (MDF), ANSI 208.1, Grades 2-M-2 and 2-M-3, composed of wood chips matrix bound with formaldehyde-free, high-moisture resistant, polyurea resin binders, passing ASTM D1037 - Six Cycle Accelerated Aging Test.
- D. Hardboard: ANSI A135.4; pressed wood fiber with resin binder; tempered grade.
- 2.3 ADHESIVES
- A. Contact Adhesives: PS 51, Type II Water-Resistant, water base type, formaldehyde free, water base type.
- B. Wall Adhesive: Solvent release, cartridge type, compatible with wall substrate, capable of achieving durable bond.
- 2.4 HARDWARE AND ATTACHMENT ACCESSORIES
- A. Nails: Provide size and type to suit application, plain finish at interior, hot-dipped galvanized at exterior.
- B. Bolts, Nuts, Washers, Blind Fasteners, Lags, and Screws: Size and type to suit application; plain finish at interior, hot-dipped galvanized at exterior.
- C. Plastic Edge Trim: Extruded convex shaped; smooth finish; self-locking serrated tongue; of width to match particleboard shelving thickness; color as selected by Architect.
- D. Aluminum Edge Trim: Extruded convex shape; ridged surface finish; self-locking serrated tongue; of width to match particleboard thickness; clear anodized finish.

PART 3 - EXECUTION

3.1 MILLWORK FABRICATION

- A. Shop Fabrication: Provide sizes, materials and designs as shown on Drawings, reviewed shop drawings and as specified herein. Wherever practicable, shop assemble and finish items of built-up millwork.
- B. Fabrication Standard: Comply with WIC - Manual of Millwork, Section 9, Interior Trim, Jambs and Millwork.
1. Classrooms and Public spaces: WIC Custom Grade.
 2. Service and utility spaces: WIC Economy Grade.
- C. Shop/Factory Finishing: Shop finish work in accordance with WIC Manual for indicated grade.
1. Provide clear oil finish typically at hardwood.

2. Provide clear transparent varnish finish typically at softwood.

END OF SECTION

06 41 00 – ARCHITECTURAL WOOD CASEWORK

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Custom-fabricated casework units, covered with high-pressure plastic laminate.
- B. Plastic laminate-covered countertops.

1.3 FIRE CHARACTERISTICS OF PLASTIC LAMINATE-CLAD CASEWORK AND COUNTERTOPS

- A. Fire Characteristics of Plastic Laminate-Clad Casework: Comply with California Building Code (CBC), Table 8-B, Class III, Flame Spread 200 or less and Smoke Density not exceeding 450, when tested in accordance with ASTM E84 by a testing agency acceptable to authorities having jurisdiction.

PART 2 - PRODUCTS

2.1 LUMBER MATERIALS

- A. Softwood Lumber: Graded in accordance with WIC Manual of Millwork, maximum moisture content of 6 percent, any species and grade as allowed for Grade specified for woodwork product, unless otherwise indicated.
- B. Hardwood Lumber: Graded in accordance with WIC Manual of Millwork, for concealed locations in plastic laminate casework, alder, birch or maple.

2.2 PANEL MATERIALS

- A. Plywood Base for Plastic Laminate: Close-grained hardwood plywood, ANSI/AHA 135.4, all hardwood plies, non-telegraphing faces, formaldehyde-free and complying with requirements for referenced WIC grade.
 - 1. Provide minimum thickness according to WIC quality standards, as detailed on Drawings and as specified herein.
 - 2. Provide exterior grade product with waterproof glue (marine grade plywood) at countertop locations with plumbing fixtures.
- B. Wood Fiber Board: Medium density fiberboard (MDF), ANSI 208.1, Grades 2-M-2 and 2-M-3, composed of wood chips matrix bound with formaldehyde-free, high-moisture resistant, polyurea resin binders, passing ASTM D1037 - Six Cycle Accelerated Aging Test.
 - 1. Specified Manufacturer: Medite Corporation, Medford, OR (800/676-3339).

2. Acceptable Manufacturers: None identified. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
3. Casework panels and countertop substrate without plumbing fixtures: Medite II, medium density fiberboard, nominal 48 pcf for 3/4-inch and less thickness, and nominal 46 pcf for 13/16-inch and greater thickness.
4. Countertop substrate with plumbing fixtures: Do not use wood fiber board. Provide exterior grade product with waterproof glue (marine grade plywood) at countertop locations with plumbing fixtures.

C. Particleboard: Not permitted.

D. Hardboard: ANSI/AHA 135.4, interfelted lignocellulosic fibers consolidated under heat and pressure, tempered treated, smooth one side. Provide thickness indicated or, if not indicated, 1/8-inch thick when used as a laminate and 1/4-inch thick (minimum) when used as drawer bottom, cabinet back or dust panel.

2.3 PLASTIC LAMINATE MATERIALS

A. Specified Manufacturer: As indicated on the Drawings. If not indicated, laminate shall be as selected by Architect from the full selections of the following manufacturers or approved equal:

1. Formica: Formica Corporation, Cincinnati, OH (513/786-3400 or 800/367-6422; local representative, Brea, CA, 714/993-0393).
2. Laminart: Laminart, Elk Grove Village, IL (708/860-4300 or 800/323-7624).
3. Nevamar: Nevamar Corp., Odenton, MD (410/551-5000).
4. Pionite: Pioneer Plastics Corp., Auburn, ME (207/784-9111 or 800/777-9113).
5. WilsonArt: WilsonArt International, Temple, TX (817/778-2711 or 800/433-3222; local distributor, Santa Fe Springs, CA, 213/771-8141, 310/921-7426 or 714/523-1200).

B. Plastic Laminate Finish, Typical: NEMA LD 3 and ANSI A161.2.

1. Horizontal applications at countertops, not post-formed: NEMA Type GP50 (0.050-inch nominal thickness).
2. Horizontal applications at countertops, post-formed: NEMA Type PF42 (0.039-inch nominal thickness) horizontal post-forming grade.
3. Horizontal applications, other than countertops, and mill option for vertical applications: NEMA Type PF42 (0.039-inch nominal thickness).
4. Vertical applications: NEMA Type GP28 (0.028-inch nominal thickness) or NEMA Type PF42 (0.039-inch nominal thickness).

C. Chemical-Resistant, High-Pressure Decorative Laminate: NEMA LD 3, Grade HGP, and as follows:

1. Laminate has the following ratings when tested with indicated reagents according to NEMA LD 3, Test Procedure 3.9.5:
 - a. Nitric Acid (30 Percent): Moderate effect.
 - b. Sulfuric Acid (77 Percent): Moderate effect.

- c. Hydrochloric Acid (37 Percent): Moderate effect.
- d. Phosphoric Acid (75 Percent): No effect.
- e. Acetic Acid (98 Percent): No effect.
- f. Carbon Tetrachloride: No effect.
- g. Formaldehyde: No effect.
- h. Ethyl Acetate: No effect.
- i. Ethyl Ether: No effect.
- j. Phenol (85 Percent): Moderate effect.
- k. Benzene: No effect.
- l. Xylene: No effect.
- m. Butyl Alcohol: No effect.
- n. Furfural: No effect.
- o. Methyl Ethyl Ketone: No effect.
- p. Sodium Hydroxide (25 Percent): No effect.
- q. Sodium Sulfide (15 Percent): No effect.
- r. Ammonium Hydroxide (28 Percent): No effect.
- s. Zinc Chloride: No effect.
- t. Gentian Violet: No effect.
- u. Methyl Red: No effect.
- 2. Acceptable Products and Manufacturers: Products of the following manufacturers or approved equal will be acceptable.
 - a. Lab Grade 840 Black; Formica Corporation.
 - b. Pionite Chemguard; Pioneer Plastics Corp.
 - c. Chemsurf; Wilsonart International, Div. of Premark International, Inc.
- 3. Colors and patterns: As indicated on Architectural Drawings. If not indicated, then as selected by Architect from manufacturer's full selection of matte finish solid colors.
- D. Cabinet Liner: High-pressure cabinet liner laminate (HPL), 0.020-inch thick. Provide white color, unless otherwise directed.
- E. Plastic Laminate Backing: NEMA LD-3, BK 20, high pressure paper base laminate without a decorative finish; Style ND, Type IV, 0.020-inch thick, smooth surface finish, for backing at countertops and other concealed locations.
- F. Panel Edging:
 - 1. For doors and drawers, 3 mm thick PVC T-molding. Provide color as indicated on the Drawings or, if not indicated, as selected by Architect.
 - 2. For cabinet body: High-pressure plastic laminate to match exposed face of panel.

2.4 ANCHORS, FASTENERS AND ACCESSORIES

- A. Anchor Type, Sizing and Spacing: Unless otherwise indicated, provide fasteners of type, grade and class required for intended use and sized and spaced as required for loads and substrate. Refer to special seismic anchoring requirements noted on Drawings.
- B. Anchors and Fasteners: Select material, type, size, and finish required by each substrate for secure anchorage. Provide non-ferrous metal or hot-dip galvanized anchors and inserts on inside face of exterior walls and elsewhere as required for corrosion resistance. Refer to general anchor requirements specified in Section 05 05 23 - Metal Fastenings for anchoring into building substrates.
 - 1. Screws: For use at wood or metal stud walls, minimum #14 x 3", Phillips truss head, type 17 hard, zinc plated, self-tapping, full head screws. Select material, type, size, and finish required for each use. Comply with applicable requirements of FS FF-S-111. For attachment to metal framing supports, provide screws as indicated on Drawings.
 - 2. Countertop segment anchors: Tite Joint Fasteners.
- C. Exposed Anchors and Fasteners: Same material, color and finish as the metal to which applied, except use only stainless steel at aluminum materials and use cadmium plated at interior pre-painted steel products.
- D. Contact Adhesives: Formaldehyde-free, Type II Water-Resistant typically and Type I Fully Waterproof at damp locations and countertops.
- E. Wall Adhesive: Solvent release, cartridge type, compatible with wall substrate, capable of achieving durable bond.
- F. Countertop Segment Adhesive: Rigid (urea, resorcinol) adhesive, complying with requirements for WIC Type II Water-Resistant adhesive.

2.5 HARDWARE

- A. Specified Manufacturers: Where manufacturer is not specified, provide hardware according to current WIC Approved Hardware Listing and as selected by Contractor as suitable for Project conditions, subject to review and acceptance by Architect. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00
 - 1. Accuride: Accuride International, Inc., Santa Fe Springs, CA (562/903-0200; local representative, Ladera Ranch, CA, 949/481-9086).
 - 2. Blum: Julius Blum, Inc., Stanley, NC (704/827-1345; local supplier, E.B. Bradley Co., Los Angeles, CA, 213/585-9201).
 - 3. 3/4 drawer guides and hinges to be Accuride or Blum only.
 - 4. K & V: Knappe & Vogt Manufacturing Co. Grand Rapids, MI (616-459-3311 or 800/253-1561). Shelf track only.
- B. Finish Hardware for Casework: Provide hardware as indicated on Architectural Drawings and as follows. If not indicated, provide hardware conforming to WIC Manual of Millwork, WIC Approved Hardware Listing.
 - 1. Shelf standards: Hettich International, catalog no. 1005-767, Sekura 1 or approved equivalent, 0.5 mm hole diameter with seismic (earthquake) pin, 50 lbs per clip working load rating.

2. Door hinges: Grade 1, wrap-around butt hinges, according to WIC Manual of Millwork, WIC-Approved Hardware Listing, to provide minimum 170 degrees opening. Concealed ("European") style hinges will not be acceptable.
3. Drawer slides:
 - a. Typical drawers, full extension, 90-100 lb. capacity: Accuride 3832.
 - b. Heavy drawers, overtravel design, 150 lb. capacity: Accuride 4034 Series.
 - c. Shallow drawers, full extension, low profile, 65 lb. capacity: Accuride 2632.
 - d. File drawers, 1 inch overtravel, 200 lb. capacity, three-section slide, 0.63-inch slide space: Accuride 4437.
4. Retracting door hardware: Accuride 1332 Anti-Rak Flipper Door Slides with Anti-Rak cable, vertical retracting slide with hinge carrier strip and extra hinge; one hinge per foot of door height.
5. Door and drawer pulls: U-shaped wire rod type, satin chrome plated steel, 4-inch centers, Stanley SH4484, or approved equivalent.
6. Drawer stops: Provide stops to prevent drawer fronts from hitting face of cabinet body.
7. Keyboard supports: Synchronicity by ERGO, Little Twist series, retracting keyboard support surface with attached twist-out mouse platform.
8. Sliding door slides: Blum.
9. Sliding door pulls: Grant 428.
10. File folder supports: As suitable for Pendaflex file folders, chrome plated.
11. Cabinet drawer/door locks: National, to match existing cabinet locks, re-keyable and capable of being masterkeyed.
 - a. Provide locks at all drawers, single doors and on active leaf of paired doors.
 - b. Provide 2 keys for each lock.
 - c. Coordinate locks and latches specified below. At pairs of doors, active leaf shall have lock and inactive leaf shall have elbow catch.
 - d. Keying: Assist Owner with developing a key schedule for drawer locks when shop drawings are reviewed. Integrate cabinet drawer and door locks with existing masterkey system.
12. Elbow catches: Ives IV2AM, aluminum. Coordinate locks and latches specified below. At pairs of doors, active leaf shall have lock and inactive leaf shall have elbow catch.
13. Magnetic catches: Provide magnetic catches at all doors with locks and all doors without elbow catches, Amerock (National) No. 61-570, Stanley No. 41 or approved equivalent.
14. Closet poles: 1-1/16-inch diameter chrome plated steel, 14 gauge minimum, with chrome plated steel pole sockets.
15. Grommets: Mockett MM Series, cap and liner, solid brass, matte black finish, size as indicated on Drawings or, if not indicated, provide nominal 2-1/2-inch grommet cap size.

- C. Casework Hardware Finish: ANSI/BHMA A156.18.
 - 1. Exposed hardware: Chrome plated or stainless steel, brushed finish, as follows:
 - a. Chrome, satin brushed finish, plated on steel: BHMA 652 (US26D).
 - b. Chrome, satin brushed finish, plated on brass or bronze: BHMA 626 (US26D).
 - c. Stainless steel, brushed: BHMA 630 (US32D).
 - 2. Concealed hardware: Polished or satin chrome or brushed stainless steel.

PART 3 - EXECUTION

3.1 PLASTIC-COVERED CASEWORK FABRICATION

- A. Casework Fabrication, General: Shop fabricate casework in compliance with WIC Manual of Millwork for grade specified.
- B. Plastic Laminate-Covered Casework Fabrication: Shop fabricate casework and countertops for delivery to site in units easily handled and to permit passage through building openings. See Drawings for special casework fabrication details and notes. Provide high-pressure plastic laminate covered casework complying with WIC Manual of Millwork, Section 15 - Plastic-Covered Casework, as follows.
 - 1. Grade: Custom.
 - 2. Construction Style: Style A, frameless.
 - 3. Construction Type: WIC Type I, multiple self-supporting units, rigidly joined together. Comply with construction requirements of Division of the State Architect (DSA).
 - 4. Door and Drawer Front Style: WIC Flush Overlay.
- C. Construction Details: Comply with referenced WIC standard, with details and notes indicated on the Drawings, and the following:
 - 1. Cabinet cases: 3/4-inch thick medium-density fiberboard core, with high-pressure plastic laminate at exposed faces and edges and high-pressure cabinet liner at semi-exposed faces.
 - 2. Doors: 3/4-inch thick medium-density fiberboard core, with high-pressure plastic laminate at exposed faces and either high-pressure decorative plastic laminate or high-pressure cabinet liner at semi-exposed faces. Provide PVC edge banding at all edges. Edge banding shall be eased, to eliminate sharp edges.
 - 3. Drawer fronts: 3/4-inch thick medium-density fiberboard core with high-pressure decorative plastic laminate on exposed face and either high-pressure decorative plastic laminate or high-pressure cabinet liner on semi-exposed face. Provide PVC edge banding at all edges. Edge banding shall be eased, to eliminate sharp edges.
 - 4. Drawer sides, backs and sub-fronts: 1/2-inch thick hardwood with clear lacquer finish; or 1/2-inch baltic birch plywood with clear lacquer finish.
 - 5. Drawer bottoms: 1/4-inch thick hardboard or plywood, except provide 3/8-inch thick bottoms at drawers 30 inches and wider. File drawer bottoms shall be 3/4-inch thick hardwood plywood, routed to receive file followers. Top surface of drawer bottoms shall be covered with 0.020-inch high-pressure cabinet liner.

6. Shelves: Medium-density fiberboard or plywood, as suitable for shelf size, faced on all surfaces with high-pressure cabinet liner. Comply with WIC Technical Bulletin 435 for core material options for 50 psf shelf loading. Support shelves on metal shelf rests in vertical rows of cleanly bored holes in cabinet sides, not exceeding 2 inches on center.
 - a. Locate rows between 1-1/2 and 2 inches from front and back faces of cabinet body.
 - b. Row size, spacing and location shall be identical throughout Project.
7. Dust panels: 1/4-inch thick plywood or hardboard, above compartments and drawers except where located directly under tops, to vertically secure spaces at locked cabinets.
8. Lumber components: As follows except if otherwise indicated on the Drawings.
 - a. Backing cleats: 3/4-inch by nominal 4 inches.
 - b. Web rails: 3/4-inch by nominal 4 inches.
 - c. Base and sleepers: 3/4-inch by net 4 inches.
9. Closures: Minimum 1 inch and maximum 3 inches wide, scribed to wall. Close all gaps at face, bottom and top of cabinets. Provide closure at all cabinet sides abutting walls, to ensure clearance for door to swing open fully.
- D. Laminate Cladding: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Make corners and joints hairline. Slightly bevel edges.
- E. Field Cutting and Fitting Provisions: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.
- F. Base or Full-Height Cabinets Fabrication:
 1. Mounting strips: Minimum 1/2-inch by 2-1/2-inch, at top and bottom of case. Provide intermediate mounting strip at middle of casework 60 inches and taller, including book cases.
 2. Back: 1/4-inch thick tempered hardboard, dadoed into top rail, sides and bottom of cabinet.
 3. Base cabinet depth: 24 inches, excluding door and drawer front thicknesses, unless otherwise indicated on the Drawings.
 4. Base cabinet height: 34 inches to top of countertop work surface, unless otherwise indicated on the Drawings.
 5. Full-height cabinet depth: As indicated on the Drawings, excluding door and drawer front thicknesses.
 6. Full-height cabinet height: As indicated on the Drawings.
 7. Cabinet width: Align wall cabinet end panels with base cabinet end panels and not countertop edge.
 8. Toe kicks: Separate from or integral with base unit casework, 4 inches high by 2 inches deep at front and 4 inches high by 3/4-inch deep at exposed ends.

9. Drawer construction: Dovetailed joints at drawer box, with drawer bottom ploughed into drawer sides, backs and subfronts. Provide 3/8-inch thick bottoms at drawers 30 inches and wider.
 - a. Hot-melt glue drawer bottom in place.
 - b. Glue all drawer box joints.
 - c. File drawers shall be fabricated to receive standard, letter-size Pendaflex hanging file folders; provide steel rails for hanging files.
10. Drawer pulls: Install door pulls horizontally, centered vertically and horizontally on drawer faces. Do not install pulls on false drawer fronts or sink base panels. Do not install pulls on drawers located directly above knee spaces, such as pencil drawers, or on keyboard trays.
11. Door pulls: Install door pulls vertically, with top mounting hole centered 1-1/2 inches from both top and strike (non-hinge) edge of door. Install pulls at 34 inches to center line above floor for full height cabinets.
12. Shelves:
 - a. Base cabinets: Unless otherwise indicated, one adjustable shelf.
 - b. Full-height cabinets: Unless otherwise indicated, four adjustable shelves.
13. Door catches at doors without locks: Install typically on all doors except as specified below for double doors with locks. Install spring-loaded latch body to inside face of door, with the catch installed on the bottom face of cabinet bottom panel. Center catches 1-1/2 inches from strike (non-hinge) edge of door.
14. Door catches at double doors with locks: Installed on door leaf without lock. Install spring-loaded latch body to inside face of door, with the catch installed on the top face of cabinet bottom panel. Center catches 1-1/2 inches from strike (non-hinge) edge of door.

G. Wall Cabinets Fabrication:

1. Mounting strips: Minimum 1/2-inch by 2-1/2 inches, at top and bottom of case. Provide intermediate mounting strip at middle of casework 60 inches and taller.
2. Back: 1/4-inch thick tempered hardboard, dadoed into top rail, sides and bottom of cabinet.
3. Wall cabinet depth: 15 inches, excluding door and drawer front thicknesses, unless otherwise indicated on the Drawings.
4. Shelves: Unless otherwise indicated, all wall cabinets shall two adjustable shelves.
5. Wall cabinet height: 36 inches, unless otherwise indicated on the Drawings. Provide closure to ceiling or soffit, typically.
6. Door pulls: Install door pulls vertically, with top mounting hole centered 1-1/2 inches from both bottom and strike (non-hinge) edge of door.

3.2 PLASTIC LAMINATE COUNTERTOPS FABRICATION

A. Plastic Laminate Countertop Core Material:

1. Countertops without sinks: Medium density fiberboard (MDF) or close-grained hardwood plywood, 3/4-inch minimum thickness, except 1 inch thickness for mobile units.
2. Countertops with sinks: Marine grade plywood, 3/4-inch thick.

B. Plastic Laminate Countertops Fabrication, General: WIC Premium Grade at locations with sinks and WIC Custom Grade at all other locations. See Drawings for details and notes.

1. Locate counter butt joints minimum 2 feet from sink cut-outs.
2. Countertops shall extend 1/2-inch beyond faces of doors and drawer fronts along the front face of base cabinets and 1/2-inch beyond the exposed ends of base cabinets (those ends not abutting walls).
3. Unless otherwise indicated, all back and side splashes shall be 4 inches high.
4. Provide support from below countertop, either by base cabinets or welded steel angle supports as indicated on the Drawings, spaced so that unsupported length does not exceed 36 inches. Comply with requirements specified in Section 05 50 00 - Metal Fabrications.
5. At each knee space and other locations to have communications or electrical receptacles installed below countertop, provide on 1-1/2-inch ID plastic grommet, black or color to match countertop/work surface, installed directly over the outlet, centered 1-1/2 inches from the back wall (if no back splash) or 1-3/4 inches from face of back splash.

C. Plastic Laminate Countertop Edges:

1. Front edge, countertops without sinks: Waterfall edge.
2. Front edge, countertops with sinks: No Drip edge (post-formed).
3. Backsplash, countertops without sinks: 1/4-inch radiused butt joint, side or back mount at mill option.
4. Backsplash, countertops with sinks: Integral coved (post-formed).
5. Backsplash top edge: Square.
6. Side splash top edges: Square.
7. Exposed corners: Bevel corners 45-degrees where end of cabinet is exposed and corner subject to impact.

D. Plastic Laminate Surfacing: High-pressure plastic laminate surfacing with minimum 0.020-inch backing sheet, in compliance with referenced WIC standard.

END OF SECTION

06 64 00 – PLASTIC PANELING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Fiberglass-reinforced plastic (FRP) wall panels.
- B. Related trim, fasteners and adhesive.

PART 2 - PRODUCTS

2.1 FIBERGLASS REINFORCED PLASTIC (FRP) WALL PANELS

- A. Specified Manufacturer: Nudo Products, Inc., Springfield, IL (217/528-5636 or 800/826-4132; local representative, Dublin, CA, 510/551-5800 or 800/553-1031).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below or other manufacturers will be acceptable in accordance with the "or equal" provision of the General Conditions.
 - 1. Kemlite Corporation, Joliet, IL (815/727-5000)
 - 2. Sequentia, Inc. (Structoglas brand), Strongsville, OH (216/238-2400; local contact, San Diego, CA, 619/273-2331).
- C. Fiberglass Reinforced Plastic (FRP) Wall Panels: Nudo Fiber-Lite Liner Panels LP-F9-FR, smooth surface glass fiber reinforced plastic (FRP), 0.090-inch thick fire-resistive FRP, NSF 35 approved for food service installations, white color.
- D. Flame Spread Rating: California Building Code (CBC), Table 8-A, minimum Class II rated.
- E. Physical Properties, FRP Facing:

	Property	Test	Value
1.	Flexural Strength	ASTM D790	17,000 psi
2.	Flexural Modulus	ASTM D790	6.0 x10 ⁵
3.	Tensile Strength	ASTM D638	8,000 psi
4.	Tensile Modulus	ASTM D638	8.8 x10 ⁵
5.	Izod Impact Strength	ASTM D256	7.0 ft. lbs./in. notched
6.	Barcol Hardness	ASTM D2583	40 (average)
7.	Water Absorption	ASTM D570	0.2 percent in 24 hrs at 77 degrees F
8.	Thermal Coefficient of Linear Expansion	ASTM D696	1.6 x10 ⁶ in./in./degrees F

2.2 ACCESSORIES

- A. FRP Panel and Paneling Moldings: Extruded PVC, ASTM D3678, for panel and paneling joints and edges, one-piece design, as indicated and as recommended by the manufacturer for complete capture of all edges and corners.
- B. Panel Adhesive: Water-based, contact adhesive as recommended by panel manufacturer.
- C. Sealant: White silicone sanitary sealant, as specified in Section 07 90 00 - Joint Protection.

PART 3 - EXECUTION - NOT USED

END OF SECTION

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements.

07 11 00 – DAMPPROOFING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Bituminous dampproofing for moisture protection at exterior seat walls, low retaining walls (less than 3 feet high) and planter walls not part of building structure.

PART 2 - PRODUCTS

2.1 BITUMINOUS DAMPPROOFING MATERIALS

- A. Cold-Applied Asphalt Emulsion Mastic: Fibrated dampproofing mastic of troweling (heavy) consistency, meeting the requirements of ASTM D1227, Type IV; asbestos free. Acceptable products include the following. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 – Product Requirements:
 - 1. Emulsified Asphalt Mastic, as produced by The Euclid Chemical Company.
 - 2. Tex-Mastic No. 633-F, as produced by TexMastic International, Inc.
 - 3. #920 Fibrated Emulsion Mastic, as produced by Karnak Corporation.
 - 4. Hydrocide 700 Mastic, as produced by Sonneborn Building Products Division/ChemRex, Inc.
 - 5. Sealmastic, Type 3-Trowel-On Grade, as produced by W.R. Meadows, Inc.

2.2 INSTALLATION ACCESSORIES

- A. Reinforcing Fabric: Woven or non-woven glass fiber, treated with organic binders and coated for compatibility with dampproofing bitumen.
- B. Detailing Mastic: Asphalt-based plastic roof cement, trowel consistency, meeting the requirements of ASTM D4586.

2.3 PROTECTION MATERIALS

- A. Protection Board: 1/8-inch-thick (nominal) semi-rigid sheets of fiberglass or mineral reinforced asphaltic core, pressure laminated between two asphalt-saturated fibrous liners.
- B. Protection Course Adhesive: Rubber-based solvent type recommended by protection course manufacturer.

PART 3 - EXECUTION - NOT USED

END OF SECTION

07 21 00 – THERMAL INSULATION

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Thermal batt insulation in exterior stud wall construction.
- B. Thermal batt insulation in wood structure at roofs.

PART 2 - PRODUCTS

2.1 THERMAL BATT INSULATION

- A. Specified Manufacturer: Owens Corning Fiberglas Corporation (OCF), Toledo, OH (419/248-8000 or 800/438-7465).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. CertainTeed Corp., Valley Forge, PA (610/341-7739 or 800/233-8990)
 - 2. Manville Building Insulation, Division of Johns Manville Corp., Denver, CO (303/978-2000 or 800/654-3103).
- C. Thermal Batt Insulation, General: Flexible, resilient, noncombustible blankets of mineral or glass fiber, complying with ASTM C665, type, class and facing material as indicated following.
- D. Thermal Batt Insulation for Concealed Locations: ASTM C665, Type II, Class C.
 - 1. Product: OCF Thermal Batt Insulation.
 - 2. Facing: Vapor-retarding kraft.
 - 3. Surface burning characteristics: Not rated.
- E. Thermal Batt Insulation for Exposed Locations: ASTM C655, Type III, Class A.
 - 1. Product: OCF Flame Spread 25 Insulation.
 - 2. Facing: Fire-resistant, foil-reinforced-kraft (FRK).
 - 3. Surface burning characteristics: Flame spread rating 25 and smoke developed 50; suitable for all California Building Code (CBC) construction types.

- F. Insulation Thermal Values: When tested in accordance with ASTM C518, R-value as indicated on Drawings or, if not indicated, minimum R-11 at walls and R-30 at ceiling/roof condition.

2.2 ACCESSORIES

- A. Nailing Flanges: Provide nailing flanges stud and joist framing cavities. Provide insulation without flanges, for wired-in-place or installation on retainer clips, elsewhere.
- B. Retainer Clips: Spindle or prong-type anchors, as recommended by insulation manufacturer for Project conditions.
- C. Metal Mesh: Galvanized steel wire, woven, size and gauge as recommended by insulation manufacturer to suit Project conditions.
- D. Wire: ASTM A641, soft temper, pre-stretched, Class 1 galvanized coating, gauge as recommended by insulation manufacturer to suit Project conditions.

PART 3 - EXECUTION - NOT USED

END OF SECTION

07 26 00 – VAPOR RETARDERS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Underslab vapor retarder.

PART 2 - PRODUCTS

2.1 UNDERSLAB VAPOR RETARDER

- A. Specified Manufacturer: Stego Industries, LLC, San Juan Capistrano CA (949/493-5460 or 877/464-7834)
- B. Acceptable Manufacturers: Equivalent products of Permalon Division, Reef Industries, Inc., Houston, TX (800/231-2417) will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
- C. Vapor-Retarding Sheet Membrane: Stego Wrap 15 mil, coextruded sheet of virgin resins and additives, complying with ASTM E 1745, Class A permeance and Class B puncture resistance.
 - 1. Vapor transmission rating: 0.006 grains/ft²/hr, when tested according to ASTM E 96 at 73.4 degrees F.
 - 2. Permeance rating:
 - a. New material: 0.012 perms, when tested according to ASTM E 96 at 73.4 degrees F.
 - b. After elevated temperature conditioning: 0.015 perms, ASTM E 154 Section 11 Method and ASTM E 96 Procedure B.
 - c. After low temperature/bending: 0.017 perms, ASTM E 154 Section 12 Method and ASTM E 96 Procedure B.
 - d. After exposure to soil organisms: 0.014 perms, ASTM E 154 Section 13 Method and ASTM E 96 Procedure B.
 - e. After exposure to petroleum and soil poison: 0.013 perms, ASTM E 154 Section 14 Method and ASTM E 96 Procedure B.
 - 3. Tensile strength: 48.6 lbf/in. (CD) and 47.8 lbf/in. (CDM), when tested according to ASTM E 154 Section 9 Method and ASTM D 828.

4. Puncture resistance: 1970 grams when tested according to ASTM E 154 Section 10 Method and ASTM D 1709.

2.2 ACCESSORIES

- A. Seam tape: Stego High Density Polyethylene Tape with pressure-sensitive adhesive, minimum 4 inches wide.
- B. Pipe boots: Constructed from vapor barrier material and pressure-sensitive adhesive tape according to manufacturer's instructions.
- C. Adhesive mastic: Spray-applied contact adhesive, compatible with sheet barrier and substrate materials, with excellent water-resistive qualities, Miracle Adhesives Corporation, Bellmore, NY (800/647-2253), Miracle 1330 Spray Adhesive, or equal.

PART 3 - EXECUTION - NOT USED

END OF SECTION

07 26 33 – VAPOR EMISSION REDUCTION SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Multiple-component moisture vapor emission mitigation system and moisture barrier coating for suspended, on or below-grade concrete floor slabs.

1.3 MANUFACTURER'S WARRANTY

- A. When below grade, on grade, or above grade concrete slab has been treated with vapor reduction system according to manufacturer's instructions and recommendations, manufacturer shall warranty applied floor covering against delamination due to negative-side moisture migration or moisture-born contaminants for a period of 10 years from date established by Substantial Completion. Warranty shall cover both labor and materials necessary to repair or replace floor finish if acceptable repairs cannot be made, as determined by Architect.
- B. Upon completion of application of vapor emission mitigation and sealing system, furnish manufacturer's warranty covering all labor and materials for period not less than 10-years from date established by Notice of Completion.
- C. Warranties shall have no exclusions due to vapor emission increase after system installation.

PART 2 - PRODUCTS

2.1 VAPOR EMISSION REDUCTION SYSTEM

- A. Specified Manufacturer: SINAK Corporation, San Diego, CA (800/523-3147).
- B. Acceptable Manufacturers: None identified. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
- C. Vapor Emission Reduction System: Two-component system for treating concrete floor slabs to correct excessive water vapor emissions and to control alkalinity.
 - 1. Moisture vapor mitigation penetrant: First component shall be water-based liquid containing a blend of silicates, which penetrates and reacts with the minerals and soluble calcium compounds in the concrete to form additional insoluble silicate and silica structure within the concrete.
 - 2. Moisture vapor barrier coating: Second component shall be water-based epoxy sealer which acts to restrict water vapor emission.

- D. Moisture Vapor Mitigation Penetrant: VECT-R Penetrant, clear, penetrating, non-toxic, non-silicone, non-acrylic, non-epoxy, water-based silicate material with documented performance of 30 percent to 50 percent reduction in vapor emission when tested in accordance with specified calcium chloride test method.
- E. Vapor Barrier Coating: VECT-R Epoxy, 2-part epoxy, water-based epoxy that acts to restrict future water vapor emission from concrete floors.

PART 3 - EXECUTION

3.1 INITIAL TESTING

- A. Initial Moisture Vapor Testing, General: Testing will be performed by Testing Laboratory. Testing shall not be performed by vapor emission mitigation and sealing products manufacturer, its affiliates or agents, or by Contractor.
 - 1. Moisture vapor testing will be performed using prepackaged calcium chloride dome test kits according to following test schedule:
 - a. Use minimum of 3 kits for area up to 1000 square feet. Use additional test kit for each additional 1000 square feet or portion thereof.
 - b. Place kits in either rectangular or cross-diagonal pattern.
 - c. Comply with procedures according to manufacturer's instructions and recommendations and ASTM E 907.
 - 2. Testing Laboratory shall determine moisture vapor emissions from concrete floors.
 - a. Results of such tests shall be expressed in pounds of moisture vapor emitted per 24 hours in 1,000 square foot area.
 - b. Measurements shall be taken in under conditions similar to anticipated service environment.
 - c. Since moisture vapor emission testing may require 60 to 72 hours to complete, Contractor shall schedule and sequence Work to avoid delays and disruption of scheduled construction activities.
- B. Determination of Requirement for Vapor Emission Mitigation: Perform moisture vapor emission mitigation at all concrete floor areas to receive loose-laid or adhesively-applied floor coverings if measured moisture vapor emission level is 5.0 pounds or greater per 1000 square feet. Perform moisture vapor emission mitigation at all concrete floor areas to receive applied coatings, including epoxy terrazzo, if measured moisture vapor emission level is 3.0 pounds or greater per 1000 square feet.
 - 1. If measured moisture vapor emission level is 5.0 pounds but not greater than 10.0 pounds per 1000 square feet at locations to receive loose-laid or adhesively-applied floor coverings, apply VECT-Rx System to reduce moisture levels to specified maximum or less.
 - 2. If measured moisture vapor emission level is in excess of 10.0 pounds but not greater than 12 pounds per 1000 square feet at locations to receive loose-laid or adhesively-applied floor coverings, apply VECT-R5 System to reduce moisture vapor levels to specified maximum or less.

3. If measured moisture vapor emission level is greater than 3.0 pounds but not greater than 10.0 pounds at locations to receive applied coatings, including epoxy terrazzo, apply VECT-Rx System to reduce moisture vapor levels to specified maximum or less.
4. If measured level are in excess of 12.0 pounds per 1000 square feet, apply VECT-R3 System to reduce moisture vapor levels to specified maximum or less.
5. If, after retesting, floor areas measure in excess of specified maximums, concrete floor Work shall be considered defective and Contractor shall perform additional moisture vapor mitigation measures or reconstruct concrete floor slab in accordance with provisions of the General Conditions, as acceptable to Architect, at no change in Contract Time and Contract Sum.
 - a. Concrete floors that consistently exhibit moisture readings in excess of 5.0 pounds per 1000 square feet in 24 hours will be tested by Testing Laboratory for water/cement ratio and adequacy of moist curing, using a petrographic analysis.
 - b. Petrographic analysis will confirm water/cement ratio and concrete curing. If test confirms that water cement ratio exceeds 0.48 or that the floor slab was moist cured less than 10 days, Contractor shall pay for petrographic analysis and shall perform additional concrete curing and moisture vapor emission mitigation measures as directed by Architect at no change in Contract Time and Contract Sum.
6. Cost of first retest after moisture vapor mitigation measures will be paid by Owner. Should retest indicate moisture vapor levels in excess of specified maximum, costs for additional retesting shall be compensated by Contractor to Owner according to General Conditions of the Contract and Section 01 45 00 - Quality Control. Costs for additional retesting by Testing Laboratory shall be compensated by Contractor to Owner by deductive Change Order.
7. Treated surfaces shall be tested for compatibility with adhesives and floor coating materials, including testing for acceptable pH level, prior to installation of finish flooring materials.
8. When tested areas comply with specified maximum pounds per 1000 square feet, proceed with application of vapor barrier coating.

3.2 EXAMINATION AND PREPARATION

- A. Surface Inspection: Verify that surfaces are solid, free of loose particles, cracks, pits, rough projections or foreign matter detrimental to maximum adhesion of the system.
- B. Surface Preparation:
 1. Surfaces shall be cleaned and prepared in accordance with manufacturer's instructions and recommendations.
 2. Remove foreign materials detrimental to system, such as curing compounds, sealers, loose patching materials or surface oil) shall be removed by mechanical scarification or shotblasting.
 3. Repair cracks, joints, low spots and bumps as acceptable to Architect and according to criteria of manufacturer of moisture vapor emission mitigation and sealing products.
 4. Moisture vapor emission mitigation and sealing system shall not be applied to damp, frozen, dirty, non-absorptive or glossy surfaces.

- C. Protection: Protect surrounding construction from effects of testing and application of moisture vapor emission mitigation and sealing system. Provide protective coverings as necessary.

3.3 APPLICATION

- A. Moisture Vapor Emission Mitigation and Sealing Products Application, General: Comply with manufacturer's instructions and recommendations.
- B. Post-Application Testing: Testing Laboratory will test concrete floors after application of vapor barrier coating for pH level.
 - 1. If pH level is within acceptable limits according to adhesive and floor coatings manufacturers, proceed with application and installation of floor finishes.
 - 2. If pH level exceeds acceptable limits according to adhesive and floor coatings manufacturers, Contractor shall perform pH mitigation to achieve acceptable pH level, at no change in Contract Time and Contract Sum.
 - 3. Upon demonstration of corrected pH level, proceed with application and installation of finish flooring materials.
 - 4. Costs of retesting by Testing Laboratory shall be compensated by Contractor to Owner by deductive Change Order.

3.4 PROTECTION AND CLEANING

- A. Protection: Protect moisture vapor emission treatment from damage until flooring is installed. Comply with manufacturer's instructions and recommendations and requirements.
- B. Cleaning: Coordinate cleaning and other surface preparation activities for application or installation of finish flooring with protective measures for vapor emission treatment.

END OF SECTION

07 31 13 – ASPHALT SHINGLES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Asphalt shingles.
 - 2. Underlayment.
- B. Related Requirements:
 - 1. Section 077200 "Roof Accessories" for ridge vents.

1.2 DEFINITION

- A. Roofing Terminology: See ASTM D 1079 and glossary of NRCA's "The NRCA Roofing and Waterproofing Manual" for definitions of terms related to roofing work in this Section.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Roofing manufacturer's representative shall inspect and accept the substrate prior to the application of any roofing materials.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each exposed product and for each color and texture specified.
 - 1. Asphalt Shingles: Full size.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Test Reports: For each type of asphalt shingle and underlayment product indicated, for tests performed by a qualified testing agency.
- C. Evaluation Reports: For high-temperature, self-adhering sheet underlayment, from ICC-ES or other testing and inspecting agency acceptable to authorities having jurisdiction, indicating that product is suitable for intended use under applicable building codes.
- D. Sample Warranty: For manufacturer's warranty.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For asphalt shingles to include in maintenance manuals.

1.7 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Asphalt Shingles: Not less than 5% of each type, in unbroken bundles.
- 1.8 QUALITY ASSURANCE
 - A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.
- 1.9 DELIVERY, STORAGE, AND HANDLING
 - A. Store roofing materials in a dry, well-ventilated location protected from weather, sunlight, and moisture according to manufacturer's written instructions.
 - B. Store underlayment rolls on end on pallets or other raised surfaces. Do not double stack rolls.
 - C. Protect unused roofing materials from weather, sunlight, and moisture when left overnight or when roofing work is not in progress.
 - D. Handle, store, and place roofing materials in a manner to prevent damage to roof deck or structural supporting members.
- 1.10 FIELD CONDITIONS
 - A. Environmental Limitations: Install self-adhering sheet underlayment within the range of ambient and substrate temperatures recommended in writing by manufacturer.
- 1.11 WARRANTY
 - A. Manufacturer's Warranty: Manufacturer agrees to repair or replace asphalt shingles that fail within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Manufacturing defects.
 - 2. Material Warranty Period: 25 years from date of Substantial Completion, prorated, with first five years nonprorated.
 - 3. Wind-Speed Warranty Period: Asphalt shingles will resist blow-off or damage caused by wind speeds of up to<Insert value> for 10 years from date of Substantial Completion.
 - 4. Algae-Resistance Warranty Period: Asphalt shingles will not discolor for 10 years from date of Substantial Completion.
 - B. Roofing Installer's Warranty: On warranty form at end of this Section, signed by Installer, in which Installer agrees to repair or replace components of asphalt-shingle roofing that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - 1. Atlas Roof Shingles
 - 2. Certainteed; Saint-Gobain
 - 3. GAF
 - 4. Owens Corning
 - 5. Tamko Building Products
 - 6. Or equal.

2.2 GLASS-FIBER-REINFORCED ASPHALT SHINGLES

- A. Three-Tab-Strip Asphalt Shingles: ASTM D 3462/D 3462M, glass-fiber reinforced, mineral-granule surfaced, and self-sealing; with tabs regularly spaced.
 - 1. Strip Size: Manufacturer's standard.
 - 2. Algae Resistance: Granules resist algae discoloration.
 - 3. Color and Blends: As selected by Architect from manufacturer's full range.
- B. Hip and Ridge Shingles: Manufacturer's standard units to match asphalt shingles.

2.3 UNDERLAYMENT MATERIALS

- A. Felt: ASTM D 226/D 226M, asphalt-saturated organic felts, nonperforated.
 - 1. Type: Type I or Type II.
- B. Self-Adhering Sheet Underlayment, High Temperature: Minimum of 40-mil- (1.0-mm-) thick; with slip-resisting, polymer-film-reinforced or glass-reinforced top surface laminated to layer of butyl or SBS-modified asphalt adhesive; with release backing; cold applied; and evaluated and documented to be suitable for use for intended purpose under applicable codes by a testing and inspecting agency acceptable to authorities having jurisdiction. Provide primer for adjoining concrete or masonry surfaces to receive underlayment.
 - 1. Thermal Stability: Stable after testing at 240 deg F (116 deg C) according to ASTM D 1970/D 1970M.
 - 2. Low-Temperature Flexibility: Passes after testing at minus 20 deg F (29 deg C) according to ASTM D 1970/D 1970M.

2.4 ACCESSORIES

- A. Asphalt Roofing Cement: ASTM D 4586, Type II, asbestos free.
- B. Roofing Nails: ASTM F 1667; aluminum, stainless-steel, copper, or hot-dip galvanized-steel wire shingle nails, minimum 0.120-inch- (3-mm-) diameter, sharp-pointed, with a minimum 3/8-inch- (9.5-mm-) diameter flat head and of sufficient length to penetrate 3/4 inch (19

mm) into solid wood decking or extend at least 1/8 inch (3 mm) through OSB or plywood sheathing.

1. Shank: Barbed.
2. Where nails are in contact with metal flashing, use nails made from same metal as flashing.

- C. Felt-Underlayment Nails: Aluminum, stainless-steel, or hot-dip galvanized-steel wire with low-profile capped heads or disc caps, 1-inch (25-mm) minimum diameter.

2.5 METAL FLASHING AND TRIM

- A. General: Comply with requirements in Section 076200 "Sheet Metal Flashing and Trim."

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
1. Examine roof sheathing to verify that sheathing joints are supported by framing and blocking or metal clips and that installation is within flatness tolerances.
 2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and completely anchored; and that provisions have been made for flashings and penetrations through asphalt shingles.
- B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 UNDERLAYMENT INSTALLATION

- A. General: Comply with underlayment manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.
- B. Single-Layer Felt Underlayment: Install on roof deck parallel with and starting at the eaves. Lap sides a minimum of 2 inches (50 mm) over underlying course. Lap ends a minimum of 4 inches (100 mm). Stagger end laps between succeeding courses at least 72 inches (1830 mm). Fasten with felt-underlayment nails.
1. Install felt underlayment on roof deck not covered by self-adhering sheet underlayment. Lap sides of felt over self-adhering sheet underlayment not less than 3 inches (75 mm) in direction that sheds water. Lap ends of felt not less than 6 inches (150 mm) over self-adhering sheet underlayment.
 2. Install fasteners at no more than 36 inches (914 mm) o.c.
- C. Metal-Flashed, Open-Valley Underlayment: Install two layers of minimum 36-inch- (914-mm-) wide underlayment centered in valley. Stagger end laps between layers at least 72 inches (1830 mm). Lap ends of each layer at least 12 inches (300 mm) in direction to shed water, and seal with asphalt roofing cement. Fasten each layer to roof deck.

1. Lap roof-deck underlayment over first layer of valley underlayment at least 6 inches (150 mm).

3.3 METAL FLASHING INSTALLATION

- A. General: Install metal flashings and other sheet metal to comply with requirements in Section 076200 "Sheet Metal Flashing and Trim."
 1. Install metal flashings according to recommendations in ARMA's "Residential Asphalt Roofing Manual" and NRCA's "NRCA Guidelines for Asphalt Shingle Roof Systems."
- B. Apron Flashings: Extend lower flange over and beyond each side of downslope asphalt shingles and up the vertical surface.
- C. Step Flashings: Install with a headlap of 2 inches (50 mm) and extend over the underlying asphalt shingle and up the vertical surface. Fasten to roof deck only.
- D. Cricket or Backer Flashings: Install against the roof-penetrating element extending concealed flange beneath upslope asphalt shingles and beyond each side.
- E. Open-Valley Flashings: Install centered in valleys, lapping ends at least 8 inches (200 mm) in direction to shed water. Fasten upper end of each length to roof deck beneath overlap.
 1. Secure hemmed flange edges into metal cleats spaced 12 inches (300 mm) apart and fastened to roof deck.
- F. Rake Drip Edges: Install rake drip-edge flashings over underlayment and fasten to roof deck.
- G. Eave Drip Edges: Install eave drip-edge flashings below underlayment and fasten to roof sheathing.
- H. Pipe Flashings: Form flashing around pipe penetrations and asphalt shingles. Fasten and seal to asphalt shingles as recommended by manufacturer.

3.4 ASPHALT-SHINGLE INSTALLATION

- A. General: Install asphalt shingles according to manufacturer's written instructions, recommendations in ARMA's "Residential Asphalt Roofing Manual," and recommendations in NRCA's "NRCA Guidelines for Asphalt Shingle Roof Systems."
- B. Install starter strip along lowest roof edge, consisting of an asphalt-shingle strip with tabs removed with self-sealing strip face up at roof edge.
 1. Extend asphalt shingles 1/2 inch (13 mm) over fasciae at eaves and rakes.
 2. Install starter strip along rake edge.
- C. Install first and remaining courses of asphalt shingles stair-stepping diagonally across roof deck with manufacturer's recommended offset pattern at succeeding courses, maintaining uniform exposure.
- D. Hip and Ridge Shingles: Maintain same exposure of cap shingles as roofing shingle exposure. Lap cap shingles at ridges to shed water away from direction of prevailing winds. Fasten with roofing nails of sufficient length to penetrate sheathing.

3.5 ROOFING INSTALLER'S WARRANTY

- A. WHEREAS <Insert name> of <Insert address>, herein called the "Roofing Installer," has performed roofing and associated work ("the work") on the following project:
1. Owner: <Insert name of Owner>.
 2. Address: <Insert address>.
 3. Building Name/Type: <Insert information>.
 4. Address: <Insert address>.
 5. Area of the Work: <Insert information>.
 6. Acceptance Date: <Insert date>.
 7. Warranty Period: <Insert time>.
 8. Expiration Date: <Insert date>.
- B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant the work against leaks and faulty or defective materials and workmanship for designated Warranty Period,
- C. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period he will, at his own cost and expense, make or cause to be made such repairs to or replacements of the work as are necessary to correct faulty and defective work and as are necessary to maintain the work in a watertight condition.
- D. This Warranty is made subject to the following terms and conditions:
1. Specifically excluded from this Warranty are damages to the work and other parts of the building, and to building contents, caused by:
 - a. Lightning;
 - b. Insert required wind speed in first subparagraph below.
 - c. Peak gust wind speed exceeding <Insert wind speed> mph (m/sec);
 - d. Fire;
 - e. Failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
 - f. Faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
 - g. Vapor condensation on bottom of roofing; and
 - h. Activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.
 2. When the work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.
 3. Roofing Installer is responsible for damage to the work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of the work.

4. During Warranty Period, if Owner allows alteration of the work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this Warranty shall become null and void on date of the alterations, but only to the extent the alterations affect the work covered by this Warranty. If Owner engages Roofing Installer to perform the alterations, Warranty shall not become null and void unless Roofing Installer, before starting the alterations, notified Owner in writing, showing reasonable cause for claim, that the alterations would likely damage or deteriorate the work, thereby reasonably justifying a limitation or termination of this Warranty.
 5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a use or service more severe than originally specified, this Warranty shall become null and void on date of the change, but only to the extent the change affects the work covered by this Warranty.
 6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect the work and to examine evidence of such leaks, defects, or deterioration.
 7. This Warranty is recognized to be the only warranty of Roofing Installer on the work and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of the work according to requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.
- E. IN WITNESS THEREOF, this instrument has been duly executed this <Insert day> day of <Insert month>, <Insert year>.
1. Authorized Signature: <Insert signature>.
 2. Name: <Insert name>.
 3. Title: <Insert title>.

END OF SECTION

07 32 13 – CLAY ROOF TILES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Clay roof tiles.
 - 2. Underlayment.

1.2 DEFINITIONS

- A. Roofing Terminology: See ASTM D 1079, glossaries in TRI/WSRCA's "Concrete and Clay Roof Tile Design Criteria Installation Manual for Moderate Climate Regions," and NRCA's "NRCA Roofing and Waterproofing Manual" for definitions of terms related to roofing work in this Section.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Roofing manufacturer's representative shall inspect and accept the substrate prior to the application of any roofing materials.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Sustainable Design Submittals:
 - 1. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.
- C. Samples: For each exposed product and for each color and texture specified.
 - 1. Clay Roof Tiles: Full size, showing full range of values and blends.
 - 2. Accessory Tiles: Full size.
 - 3. Metal Valley Flashing: 12 inches (305 mm) square.
 - 4. Ridge Vents: 12-inch- (305-mm-) long Sample.
 - 5. Fastenings: Wire-tie system components, 12 inches (305 mm) long.
- D. Samples for Verification: For the following products, in manufacturer's standard sizes:
 - 1. Clay Roof Tiles: Full size, showing full range of values and blends.
 - 2. Accessory Tiles: Full size, each type.
 - 3. Metal Valley Flashing: 12 inches (305 mm) square.
 - 4. Ridge Vents: 12-inch- (305-mm-) long Sample.

1.5 INFORMATIONAL SUBMITTALS

- A. Material Test Reports: For each type of clay roof tile, based on evaluation of comprehensive tests performed by a qualified testing agency.
- B. Evaluation Reports: From ICC-ES or other testing and inspecting agency acceptable to authorities having jurisdiction, indicating that product is suitable for intended use under applicable building codes for the following:
 - 1. Clay roof tiles, fasteners, and attachment systems.
 - 2. Synthetic underlayment.
 - 3. High-temperature self-adhering underlayment.
- C. Sample Warranty: For manufacturer's materials warranty.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For roofing to include in maintenance manuals.

1.7 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Clay Roof Tiles: Not less than 5% of each type, in unbroken bundles.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Store underlayment rolls in a dry, well-ventilated location protected from weather, sunlight, and moisture according to manufacturer's written instructions.
 - 1. Store on end, on pallets or other raised surfaces. Do not double stack rolls.
- B. Protect unused underlayment from weather, sunlight, and moisture when left overnight or when roofing work is not in progress.
- C. Handle, store, and place roofing materials in a manner to prevent damage to roof deck or structural supporting members.

1.9 FIELD CONDITIONS

- A. Environmental Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing to be installed according to manufacturer's written instructions and warranty requirements.
 - 1. Install self-adhering sheet underlayment within the range of ambient and substrate temperatures recommended by manufacturer.

1.10 WARRANTY

- A. Materials Warranty: Manufacturer agrees to repair or replace clay roof tiles that fail in materials within specified warranty period.
 - 1. Warranty Period: 50 years from date of Substantial Completion.

- B. Roofing Installer's Warranty: On warranty form at end of this Section, signed by Installer, in which Installer agrees to repair or replace components of clay-tile roofing that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Three years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - 1. Boral Roofing Company
 - 2. Boston Valley Terra Cotta
 - 3. Crown Roof Tiles
 - 4. Gladding, McBean
 - 5. MCA Clay Roof Tile
 - 6. SantaFe Tile Corp.
 - 7. Or equal.

2.2 CLAY ROOF TILES

- A. Clay Roof Tiles: ASTM C 1167, molded- or extruded-clay roof tile units of shape and configuration indicated, kiln fired, and free of surface imperfections. Provide with fastening holes prepunched at factory before firing.
 - 1. Durability: Grade 2.
 - 2. High-Profile Shape: Type I, Spanish or "S".
 - 3. Finish and Texture: Matte, smooth.
 - 4. Color: Terra cotta.
 - 5. Recycled content Value (RCV): Minimum RCV per California Green Building Standards Code, T24 Part 11, Section A5.

2.3 UNDERLAYMENT MATERIALS

- A. Felt Underlayment: ASTM D 226/D 226M, Type II, asphalt-saturated organic felt, unperforated.
- B. Self-Adhering Sheet Underlayment, Polyethylene Faced: ASTM D 1970/D 1970M, a minimum of 40-mil- (1.0-mm-) thick, slip-resisting, polyethylene-film-reinforced top surface laminated to SBS-modified-asphalt adhesive, with release paper backing; cold applied. Provide primer for adjoining concrete or masonry surfaces to receive underlayment.

2.4 ACCESSORIES

- A. Asphalt Roofing Cement: ASTM D 4586/D 4586M, Type II, asbestos free.

- B. Butyl Sealant: ASTM C 1311, single-component, solvent-release butyl rubber sealant; polyisobutylene plasticized; heavy bodied.
- C. Elastomeric Sealant: ASTM C 920, elastomeric polyurethane-based joint sealant of type, grade, class, and use classifications required to seal joints in clay-tile roofing and remain watertight.
- D. Roofing Asphalt: ASTM D 312, Type IV.
- E. Cold-Applied Adhesive: Manufacturer's standard asphalt-based, one- or two-part, asbestos-free, cold-applied adhesive specially formulated for compatibility and use with underlayments.
- F. Mortar materials, plastic cement and sealant: Code approved adhesive suitable to bond to clay roof tile.
 - 1. Sand: ASTM C 144.
 - 2. Portland Cement: ASTM C 150, Type I.
- G. Mortar: ASTM C 270, Type M, with ASTM C 979/C 979M, pigmented mortar matching the color of clay roof tiles for exposed-to-view mortar, and natural color for concealed-from-view mortar.
- H. Rake and Gable End: Prefabricated Rake and Ridge Tile matching field tile profile and color.
- I. Foam Adhesive: Two-component, polyurethane expanding adhesive recommended for application by clay-roof-tile manufacturer.
- J. Eave Closure: Manufacturer's standard clay tile eave closure formed to shape of clay roof tile.
- K. Wood Nailers: Comply with requirements for pressure-preservative-treated wood in Section 061000 "Rough Carpentry."

2.5 FASTENERS

- A. Roofing Nails: ASTM F 1667, hot-dip galvanized-steel, 0.120-inch- (3.05-mm-) diameter shank, sharp-pointed, conventional roofing nails with barbed shanks; minimum 3/8-inch- (10-mm-) diameter head; of sufficient length to penetrate 3/4 inch (19 mm) into substrate or through thickness of the sheathing, whichever is less.
 - 1. Where nails are in contact with metal flashing, use nails made from same metal as flashing.
- B. Underlayment Nails: Stainless-steel, or hot-dip galvanized-steel wire with low-profile metal or plastic caps, 1-inch (25-mm) minimum diameter.
 - 1. Provide cap nails complying with written instructions of synthetic-underlayment manufacturer.
 - 2. Provide with minimum 0.0134-inch- (0.34-mm-) thick cap, and with minimum 0.105-inch- (2.67-mm-) thick shank of length to penetrate at least 3/4 inch (19 mm) into roof sheathing.

2.6 METAL FLASHING AND TRIM

- A. General: Comply with requirements in Section 076200 "Sheet Metal Flashing and Trim."

1. Sheet Metal: Zinc-tin alloy-coated steel.
- B. Fabricate sheet metal flashing and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" for design, dimensions, metal, and other characteristics of the item.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
 1. Examine roof sheathing to verify that sheathing joints are supported by framing and blocking or metal clips and that installation is within flatness tolerances.
 2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and completely anchored and that provision has been made for flashings and penetrations through roofing.
- B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 UNDERLAYMENT INSTALLATION

- A. General: Comply with clay roof tile manufacturer's written instructions and with recommendations in NRCA's "NRCA Roofing Manual: Steep-Slope Roof Systems" unless more stringent requirements are indicated.
 1. Cover [ridge] [hip] wood nailers with underlayment strips.
- B. Single-Layer Felt Underlayment: Install on roof deck parallel with and starting at the eaves. Lap sides a minimum of 2 inches (51 mm) over underlying course. Lap ends a minimum of 4 inches (102 mm). Stagger end laps between succeeding courses at least 72 inches (1829 mm). Fasten with underlayment nails.
 1. Install felt underlayment on roof deck not covered by self-adhering sheet underlayment. Lap sides of felt over self-adhering sheet underlayment not less than [3 inches (76 mm)] [4 inches (102 mm)] in direction that sheds water. Lap ends of felt not less than 6 inches (152 mm) over self-adhering sheet underlayment.
 2. Install fasteners at no more than [36 inches (914 mm) o.c.] [12 inches (305 mm) o.c. between side laps and 6-inch (152-mm) spacing at side laps.]
- C. Double-Layer Felt Underlayment: Install on roof deck parallel with and starting at the eaves. Install a 19-inch- (483-mm-) wide starter course at eaves and completely cover with a 36-inch- (914-mm-) wide second course. Install succeeding 36-inch- (914-mm-) wide courses lapping previous courses 19 inches (483 mm) in shingle fashion. Lap ends a minimum of 6 inches (152 mm). Stagger end laps between succeeding courses at least 72 inches (1829 mm). Fasten with underlayment nails.
 1. Install fasteners at no more than [36 inches (914 mm) o.c.] [12 inches (305 mm) o.c. between side laps and 6-inch (152-mm) spacing at side laps.]

2. Install felt underlayment on roof sheathing not covered by self-adhering sheet underlayment. Lap edges over self-adhering sheet underlayment not less than 4 inches (102 mm) in direction that sheds water.
3. Terminate felt underlayment flush against sidewalls, curbs, chimneys, and other roof projections.

D. Double-Layer Felt/Roll-Roofing Underlayment:

1. Install single layer of felt underlayment on roof deck parallel with and starting at the eaves. Lap sides a minimum of 2 inches (51 mm) over underlying course. Lap ends a minimum of 4 inches (102 mm). Stagger end laps between succeeding courses at least 72 inches (1829 mm). Fasten with underlayment nails.
2. Install roll-roofing underlayment, in parallel courses, on felt underlayment and in same direction. Lap sides a minimum of 3 inches (76 mm). Lap ends a minimum of 6 inches (152 mm). Stagger end laps between succeeding courses at least 72 inches (1829 mm).
 - a. Mechanically fasten over felt underlayment with fasteners located under side lap.
 - b. Adhere to felt underlayment with uniform coating of asphalt roofing cement.
3. Terminate felt underlayment flush against chimneys, sidewalls, curbs, and other projections.

E. Synthetic Underlayment: Install on roof deck parallel with and starting at the eaves. Lap sides and ends and treat laps as recommended in writing by manufacturer a minimum of [2 inches (51 mm)] [4 inches (102 mm)] for side laps and 8 inches (203 mm) for end laps. Stagger end laps between succeeding courses at interval recommended in writing by manufacturer. Fasten with underlayment nails according to manufacturer's written instructions. Cover underlayment within period recommended in writing by manufacturer.

1. Install in [single] [double] layer.
2. Install fasteners at no more than [36 inches (914 mm) o.c.] [12 inches (305 mm) o.c.] between side laps and 6-inch (152-mm) spacing at side laps.]

F. Self-Adhering Sheet Underlayment: Install wrinkle free; comply with low-temperature installation restrictions of underlayment manufacturer if applicable. Install lapped in direction that sheds water. Lap sides not less than 3-1/2 inches (89 mm). Lap ends not less than 6 inches (152 mm), staggered 24 inches (610 mm) between succeeding courses. Roll laps with roller. Cover underlayment within seven days.

1. Prime concrete and masonry surfaces to receive self-adhering sheet underlayment.
2. Extend self-adhering sheet underlayment over entire roof deck.
3. Eaves: Extend from edges of eaves 24 inches (610 mm) beyond interior face of exterior wall.
4. Rakes: Extend from edges of rakes 24 inches (610 mm) beyond interior face of exterior wall.
5. Valleys: Extend from lowest to highest point 18 inches (457 mm) on each side.
6. Hips: Extend 18 inches (457 mm) on each side.
7. Ridges: Extend 36 inches (914 mm) on each side without obstructing continuous ridge vent slot.

8. Sidewalls: Extend 18 inches (457 mm) beyond sidewalls and return vertically against sidewalls not less than 4 inches (102 mm).
9. Dormers, Chimneys, Skylights, and Other Roof-Penetrating Elements: Extend 18 inches (457 mm) beyond penetrating elements and return vertically against penetrating elements not less than 4 inches (102 mm).
10. Roof-Slope Transitions: Extend 18 inches (457 mm) on each roof slope.

G. Double-Layer Felt/Self-Adhering Sheet Underlayment:

1. Install single layer of felt underlayment on roof deck parallel with and starting at the eaves. Lap sides a minimum of 2 inches (51 mm) over underlying course. Lap ends a minimum of 4 inches (102 mm). Stagger end laps between succeeding courses at least 72 inches (1829 mm). Fasten with underlayment nails.
 - a. Install fasteners at no more than 36 inches (914 mm) o.c.
2. Install self-adhering sheet underlayment, wrinkle free, on felt underlayment; comply with low-temperature installation restrictions of underlayment manufacturer if applicable. Lap sides not less than 3-1/2 inches (89 mm) in direction that sheds water. Lap ends not less than 6 inches (152 mm), staggered 24 inches (610 mm) between succeeding courses. Roll laps with roller. Cover underlayment within seven days.

H. Valley Underlayment: Install two layers of 36-inch- (914-mm-) wide felt underlayment centered in valley. Stagger end laps between layers at least 72 inches (1829 mm). Lap ends of each layer at least 12 inches (305 mm) in direction that sheds water, and seal with asphalt roofing cement. Fasten each layer to roof deck with underlayment nails.

1. Lap roof-deck underlayment over first layer of valley underlayment at least 6 inches (152 mm).

3.3 METAL FLASHING INSTALLATION

- A. General: Install metal flashings and other sheet metal to comply with requirements in Section 076200 "Sheet Metal Flashing and Trim."
1. Install metal flashings according to clay roof tile manufacturer's written instructions and recommendations in NRCA's "NRCA Roofing Manual: Steep-Slope Roof Systems."
- B. Apron Flashings: Extend lower flange over and beyond each side of downslope tile roofing and up the vertical surface.
- C. Step Flashings: Install with a head lap of 3 inches (76 mm) and extend both horizontally and vertically. Install with lower edge of flashing just upslope of, and concealed by, butt of overlying tile. Fasten to roof deck only.
- D. Cricket and Backer Flashings: Install against roof-penetrating elements, extending concealed flange beneath upslope tile roofing and beyond each side.
- E. Valley Flashings: Install centrally in valleys, lapping ends at least 8 inches (203 mm) in direction that sheds water. Fasten upper end of each length to roof deck beneath overlap.
1. Adhere 9-inch- (229-mm-) wide strips of self-adhering sheet underlayment to metal flanges and to roof-deck underlayment. Extend 4 inches (102 mm) over metal flanges.
- F. Channel Flashings: Install over underlayment and fasten to roof deck.
- G. Rake Pan Flashings: Install over underlayment and fasten to roof deck.

- H. Rake Drip Edges: Install over underlayment and fasten to roof deck.
 - I. Eave Drip Edges: Install beneath underlayment and fasten to roof deck.
 - J. Pipe Flashings: Form flashing around pipe penetrations and tile roofing. Fasten and seal to tile roofing.
 - K. Sheet Metal Ridge Vents: Install centrally, and mechanically fasten to wood ridge. Adhere each side to clay roof tile with elastomeric sealant.
 - 1. Install fabric mesh over roof-deck air ventilation gaps to prevent insect entry.
- 3.4 WOOD NAILERS
- A. Install wood nailers securely fastened to roof deck at the following locations:
 - 1. Hips.
 - 2. Ridges.
 - 3. Rakes.
 - B. Install beveled wood cant at eaves and securely fasten to roof deck.
 - C. Install nominal 1-by-2-inch (25-by-51-mm) wood battens horizontally [over 1/2-inch- (13-mm-) high, pressure-preservative-treated wood lath strips] [in 48-inch (1219-mm) lengths with ends separated by 1/2 inch (13 mm)], at spacing required by clay roof tile manufacturer, and securely fasten to roof deck.
- 3.5 CLAY ROOF TILE INSTALLATION
- A. General: Install clay roof tiles according to manufacturer's written instructions and recommendations in TRI/WSRCA's "Concrete and Clay Roof Tile Design Criteria Installation Manual for Moderate Climate Regions" and NRCA's "NRCA Roofing Manual: Steep-Slope Roof Systems" unless more stringent requirements are indicated.
 - 1. Maintain uniform exposure and coursing of clay roof tiles throughout roof.
 - 2. Extend tiles 2 inches (51 mm) over eave fasciae.
 - 3. Nail Fastening: Drive nails to clear the clay roof tile so the tile hangs from the nail and is not drawn up.
 - a. Install wire through nail holes of cut tiles that cannot be nailed directly to roof deck and fasten to nails driven into deck.
 - 4. Mortar Setting: Install clay roof tile according to TRI/FRSA's "Concrete and Clay Roof Tile Installation Manual."
 - 5. Cut and fit clay roof tiles neatly around roof vents, pipes, ventilators, and other projections through roof. Fill voids with mortar.
 - 6. Install clay roof tiles with color blend approved by Architect.
 - B. High-Profile Clay Roof Tile Installation:
 - 1. Install tile eave closure.
 - 2. Provide minimum 3-inch (76-mm) lap between succeeding courses of clay roof tiles.
 - 3. Install rake tiles indicated.

4. Install ridge tiles with laps facing away from prevailing wind. Seal laps with asphalt roofing cement.
 - C. Open Valleys: Cut clay roof tiles at open valleys to form straight lines. Maintain uniform width of exposed open valley from highest to lowest point.
 1. Drill or notch cut valley tiles and wire-tie to fastener placed clear of valley metal flashings.
 2. Do not nail tiles to metal flashings.
 - D. Closed Valleys: Cut clay roof tiles at closed valleys to form straight lines, trimming upper concealed corners of tiles. Maintain uniform gap of 3/4 to 1 inch (19 to 25 mm) on either side of the water diverter at centerline of valley.
 1. Drill or notch cut valley tiles and wire-tie to fastener placed clear of valley metal flashings.
 2. Do not nail tiles to metal flashings.
- 3.6 PLASTIC RIDGE VENTS
- A. Rigid-Plastic Ridge Vents: Install continuous ridge vents over clay roof tiles according to manufacturer's written instructions. Fasten with nails of sufficient length to penetrate substrate.
- 3.7 ADJUSTING AND CLEANING
- A. Remove and replace damaged or broken clay roof tiles.
 - B. Remove excess clay roof tiles and debris from Project site.
- 3.8 ROOFING INSTALLER'S WARRANTY
- A. WHEREAS <Insert name> of <Insert address>, herein called the "Roofing Installer," has performed roofing and associated work ("the work") on the following project:
 1. Owner: <Insert name of Owner>.
 2. Address: <Insert address>.
 3. Building Name/Type: <Insert information>.
 4. Address: <Insert address>.
 5. Area of the Work: <Insert information>.
 6. Acceptance Date: <Insert date>.
 7. Warranty Period: <Insert time>.
 8. Expiration Date: <Insert date>.
 - B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant the work against leaks and faulty or defective materials and workmanship for designated Warranty Period,
 - C. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period he will, at his own cost and expense, make or cause

to be made such repairs to or replacements of the work as are necessary to correct faulty and defective work and as are necessary to maintain the work in a watertight condition.

D. This Warranty is made subject to the following terms and conditions:

1. Specifically excluded from this Warranty are damages to the work and other parts of the building, and to building contents, caused by:
 - a. Lightning;
 - b. Peak gust wind speed exceeding <Insert wind speed> mph (m/sec);
 - c. Fire;
 - d. Failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
 - e. Faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
 - f. Vapor condensation on bottom of roofing; and
 - g. Activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.
2. When the work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.
3. Roofing Installer is responsible for damage to the work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of the work.
4. During Warranty Period, if Owner allows alteration of the work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this Warranty shall become null and void on date of the alterations, but only to the extent the alterations affect the work covered by this Warranty. If Owner engages Roofing Installer to perform the alterations, Warranty shall not become null and void unless Roofing Installer, before starting the alterations, notified Owner in writing, showing reasonable cause for claim, that the alterations would likely damage or deteriorate the work, thereby reasonably justifying a limitation or termination of this Warranty.
5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a use or service more severe than originally specified, this Warranty shall become null and void on date of the change, but only to the extent the change affects the work covered by this Warranty.
6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect the work and to examine evidence of such leaks, defects, or deterioration.
7. This Warranty is recognized to be the only warranty of Roofing Installer on the work and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of the work

according to requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.

- E. IN WITNESS THEREOF, this instrument has been duly executed this <Insert day> day of <Insert month>, <Insert year>.
1. Authorized Signature: <Insert signature>.
 2. Name: <Insert name>.
 3. Title: <Insert title>.

END OF SECTION

07 32 16 – CONCRETE ROOF TILES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Concrete roof tiles.
 - 2. Underlayment.

1.2 DEFINITIONS

- A. Roofing Terminology: See ASTM D 1079, glossaries in TRI/WSRCA's "Concrete and Clay Roof Tile Design Criteria Installation Manual for Moderate Climate Regions," and NRCA's "NRCA Roofing and Waterproofing Manual" for definitions of terms related to roofing work in this Section.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Roofing manufacturer's representative shall inspect and accept the substrate prior to the application of any roofing materials.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Sustainable Design Submittals:
 - 1. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.
- C. Samples: For each exposed product and for each color and texture specified.
 - 1. Concrete Roof Tiles: Full size, showing full range of color values and blends.
 - 2. Accessory Tiles: Full size, each type.
 - 3. Metal Valley Flashing: 12 inches (305 mm) square.
 - 4. Ridge Vents: 12-inch- (305-mm-) long Sample.
 - 5. Fastenings: Wire-tie system components, 12 inches (305 mm) long.
- D. Samples for Verification: For the following products, in manufacturer's standard sizes:
 - 1. Concrete Roof Tiles: Full size, showing full range of color values and blends.
 - 2. Accessory Tiles: Full size, each type.
 - 3. Metal Valley Flashing: 12 inches (305 mm) square.
 - 4. Ridge Vents: 12-inch- (305-mm-) long Sample.

1.5 INFORMATIONAL SUBMITTALS

- A. Material Test Reports: For each type of concrete roof tile, based on evaluation of comprehensive tests performed by a qualified testing agency.
- B. Evaluation Reports: From ICC-ES or other testing and inspecting agency acceptable to authorities having jurisdiction, indicating that product is suitable for intended use under applicable building codes for the following:
 - 1. Concrete roof tiles, fasteners, and attachment systems.
 - 2. Synthetic underlayment.
 - 3. High-temperature self-adhering underlayment.
- C. Sample Warranty: Manufacturer's materials warranty.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For roofing to include in maintenance manuals.

1.7 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Concrete Roof Tiles: Not less than 5% of each type, in unbroken bundles.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Store underlayment rolls in a dry, well-ventilated location protected from weather, sunlight, and moisture according to manufacturer's written instructions.
 - 1. Store on end, on pallets or other raised surfaces. Do not double stack rolls.
- B. Protect unused underlayment from weather, sunlight, and moisture when left overnight or when roofing work is not in progress.
- C. Handle, store, and place roofing materials in a manner to prevent damage to roof deck or structural supporting members.

1.9 FIELD CONDITIONS

- A. Environmental Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing to be installed according to manufacturer's written instructions and warranty requirements.
 - 1. Install self-adhering sheet underlayment within the range of ambient and substrate temperatures recommended by manufacturer.

1.10 WARRANTY

- A. When warranties are required, verify with Owner's counsel that warranties stated in this article are not less than remedies available to Owner under prevailing local laws.

- B. Materials Warranty: Standard form in which manufacturer agrees to repair or replace concrete roof tiles that fail in materials within specified warranty period.
 - 1. Warranty Period: 50 years from date of Substantial Completion.
- C. Roofing Installer's Warranty: On warranty form at end of this Section, signed by Installer, in which Installer agrees to repair or replace components of concrete-tile roofing that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - 1. Boral Roofing Company
 - 2. Eagle Roofing Products
 - 3. Hanson Roof Tile, Inc.
 - 4. Monier Lifetile
 - 5. Westile
 - 6. Or equal.

2.2 CONCRETE ROOF TILES

- A. Concrete Roof Tiles: ASTM C 1492, molded- or extruded-concrete roof tile units of shape and configuration indicated, with integral color, and free of surface imperfections. Provide with fastening holes prepunched at factory.
 - 1. Weight: Normal.
 - 2. High-Profile Shape: Type I, Spanish or "S" or Spanish or "S," interlocking.
 - 3. Finish and Texture: Matte, smooth.
 - 4. Colors, Blends, and Patterns: As selected by Architect from manufacturer's full range.
 - 5. Recycled content Value (RCV): Minimum RCV per California Green Building Standards Code, T24 Part 11, Section A5.

2.3 UNDERLAYMENT MATERIALS

- A. Felt Underlayment: ASTM D 226/D 226M, Type II, asphalt-saturated organic felt, unperforated.
- B. Roll-Roofing Underlayment: ASTM D 6380, Class M, Type II, asphalt-saturated and -coated organic felt, mineral-granule surfaced.
- C. Synthetic Underlayment: UV-resistant polypropylene, polyolefin, or polyethylene polymer fabric with surface coatings or treatments to improve traction underfoot and abrasion resistance; evaluated and documented to be suitable for use as a roof underlayment under

applicable codes by a testing and inspecting agency acceptable to authorities having jurisdiction.

- D. Self-Adhering Sheet Underlayment, Polyethylene Faced: ASTM D 1970/D 1970M, minimum of 40-mil- (1.0-mm-) thick, slip-resisting, polyethylene-film-reinforced top surface laminated to SBS-modified-asphalt adhesive, with release paper backing; cold applied. Provide primer for adjoining concrete or masonry surfaces to receive underlayment.

2.4 ACCESSORIES

- A. Asphalt Roofing Cement: ASTM D 4586/D 4586M, Type II, asbestos free.
- B. Butyl Sealant: ASTM C 1311, single-component, solvent-release butyl rubber sealant; polyisobutylene plasticized; heavy bodied.
- C. Elastomeric Sealant: ASTM C 920, elastomeric polyurethane-based joint sealant of type, grade, class, and use classifications required to seal joints in concrete-tile roofing and remain watertight.
- D. Roofing Asphalt: ASTM D 312, Type IV.
- E. Cold-Applied Adhesive: Manufacturer's standard asphalt-based, one- or two-part, asbestos-free, cold-applied adhesive specially formulated for compatibility and use with underlayments.
- F. Mortar: ASTM C 270, Type M, with ASTM C 979/C 979M, pigmented mortar matching the color of concrete roof tiles for exposed-to-view mortar, and natural color for concealed-from-view mortar.
- G. Foam Adhesive: Two-component, polyurethane expanding adhesive recommended for application by concrete-roof-tile manufacturer.
- H. Eave Closure: Manufacturer's standard EPDM eave closure formed to shape of concrete roof tiles.
- I. Ridge Closure: Manufacturer's standard EPDM ridge closure, formed to shape of concrete roof tiles.
- J. Wood Nailers: Comply with requirements for pressure-preservative-treated wood in Section 061000 "Rough Carpentry."
- K. Mesh Fabric: 18-by-14 (1.1-by-1.4-mm) mesh of PVC-coated, glass-fiber thread.

2.5 FASTENERS

- A. Roofing Nails: ASTM F 1667, hot-dip galvanized-steel, 0.120-inch- (3.05-mm-) diameter shank, sharp-pointed, conventional roofing nails with barbed shanks; minimum 3/8-inch- (10-mm-) diameter head; of sufficient length to penetrate 3/4 inch (19 mm) into substrate or through thickness of the sheathing, whichever is less.
 - 1. Where nails are in contact with metal flashing, use nails made from same metal as flashing.
- B. Underlayment Nails: Aluminum, stainless-steel, or hot-dip galvanized-steel wire with low-profile metal or plastic caps, 1-inch (25-mm) minimum diameter.
 - 1. Retain first subparagraph below for synthetic underlayment.

2. Provide cap nails complying with written instructions of synthetic-underlayment manufacturer.
 3. Provide with minimum 0.0134-inch- (0.34-mm-) thick cap, and with minimum 0.105-inch- (2.67-mm-) thick shank of length to penetrate at least 3/4 inch (19 mm) into roof sheathing.
- C. Wood Batten Nails: ASTM F 1667; common or box, steel wire, flat head, and smooth shank.
 - D. Wire Ties: Stainless steel, 0.083-inch (2.11-mm) minimum diameter.
- 2.6 METAL FLASHING AND TRIM
- A. General: Comply with requirements in Section 076200 "Sheet Metal Flashing and Trim."
 1. Sheet Metal: Zinc-tin alloy-coated steel.
 - B. Fabricate sheet metal flashing and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" for design, dimensions, metal, and other characteristics of the item.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
 1. Examine roof sheathing to verify that sheathing joints are supported by framing and blocking or metal clips and that installation is within flatness tolerances.
 2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and completely anchored and that provision has been made for flashings and penetrations through roofing.
- B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 UNDERLAYMENT INSTALLATION

- A. General: Comply with concrete roof tile manufacturer's written instructions and with recommendations in NRCA's "NRCA Roofing Manual: Steep-Slope Roof Systems" unless more stringent requirements are indicated.
 1. Cover ridge wood nailers with underlayment strips.
- B. Single-Layer Felt Underlayment: Install on roof deck parallel with and starting at the eaves. Lap sides a minimum of 4 inches (102 mm) over underlying course. Lap ends a minimum of 4 inches (102 mm). Stagger end laps between succeeding courses at least 72 inches (1829 mm). Fasten with underlayment nails.
 1. Install felt underlayment on roof deck not covered by self-adhering sheet underlayment. Lap sides of felt over self-adhering sheet underlayment not less than 4

inches (102 mm) in direction that sheds water. Lap ends of felt not less than 6 inches (152 mm) over self-adhering sheet underlayment.

2. Install fasteners at no more than 36 inches (914 mm) o.c.

C. Self-Adhering Sheet Underlayment: Install wrinkle free; comply with low-temperature installation restrictions of underlayment manufacturer if applicable. Install lapped in direction that sheds water. Lap sides not less than 3-1/2 inches (89 mm). Lap ends not less than 6 inches (152 mm), staggered 24 inches (610 mm) between succeeding courses. Roll laps with roller. Cover underlayment within seven days.

1. Prime concrete and masonry surfaces to receive self-adhering sheet underlayment.
2. Extend self-adhering sheet underlayment over entire roof deck.
3. Eaves: Extend from edges of eaves 24 inches (610 mm) beyond interior face of exterior wall.
4. Rakes: Extend from edges of rakes 24 inches (610 mm) beyond interior face of exterior wall.
5. Valleys: Extend from lowest to highest point 18 inches (457 mm) on each side.
6. Hips: Extend 18 inches (457 mm) on each side.
7. Ridges: Extend 36 inches (914 mm) on each side without obstructing continuous ridge vent slot.
8. Sidewalls: Extend 18 inches (457 mm) beyond sidewalls and return vertically against sidewalls not less than 4 inches (102 mm).
9. Dormers, Chimneys, Skylights, and Other Roof-Penetrating Elements: Extend 18 inches (457 mm) beyond penetrating elements and return vertically against penetrating elements not less than 4 inches (102 mm).
10. Roof-Slope Transitions: Extend 18 inches (457 mm) on each roof slope.

3.3 METAL FLASHING INSTALLATION

- A. General: Install metal flashings and other sheet metal to comply with requirements in Section 076200 "Sheet Metal Flashing and Trim."
 1. Install metal flashings according to concrete roof tile manufacturer's written instructions and recommendations in NRCA's "NRCA Roofing Manual: Steep-Slope Roof Systems."
- B. Apron Flashings: Extend lower flange over and beyond each side of downslope tile roofing and up the vertical surface.
- C. Step Flashings: Install with a head lap of 3 inches (76 mm) and extend both horizontally and vertically. Install with lower edge of flashing just upslope of, and concealed by, butt of overlying tile. Fasten to roof deck only.
- D. Cricket and Backer Flashings: Install against roof-penetrating elements, extending concealed flange beneath upslope tile roofing and beyond each side.
- E. Valley Flashings: Install centrally in valleys, lapping ends at least 8 inches (203 mm) in direction that sheds water. Fasten upper end of each length to roof deck beneath overlap.
- F. Channel Flashings: Install over underlayment and fasten to roof deck.

- G. Rake Pan Flashings: Install over underlayment and fasten to roof deck.
 - H. Rake Drip Edges: Install over underlayment and fasten to roof deck.
 - I. Eave Drip Edges: Install beneath underlayment and fasten to roof deck.
 - J. Pipe Flashings: Form flashing around pipe penetrations and tile roofing. Fasten and seal to tile roofing.
 - K. Sheet Metal Ridge Vents: Install centrally, and mechanically fasten to wood ridge. Adhere each side to concrete roof tile with elastomeric sealant.
 - 1. Install fabric mesh over roof-deck air ventilation gaps to prevent insect entry.
- 3.4 WOOD NAILERS
- A. Install wood nailers securely fastened to roof deck at the following locations:
 - 1. Hips.
 - 2. Ridges.
 - 3. Rakes.
 - B. Install beveled wood cant at eaves and securely fasten to roof deck.
- 3.5 CONCRETE ROOF TILE INSTALLATION
- A. General: Install concrete roof tiles according to manufacturer's written instructions and with recommendations in TRI/WSRCA's "Concrete and Clay Roof Tile Design Criteria Installation Manual for Moderate Climate Regions" and NRCA's "NRCA Roofing Manual: Steep-Slope Roof Systems" unless more stringent requirements are indicated.
 - 1. Maintain uniform exposure and coursing of concrete roof tiles throughout roof.
 - 2. Extend tiles 2 inches (51 mm) over eave fasciae.
 - 3. Nail Fastening: Drive nails to clear the concrete roof tile so the tile hangs from the nail and is not drawn up.
 - a. Install wire through nail holes of cut tiles that cannot be nailed directly to roof deck, and fasten to nails driven into deck.
 - 4. Mortar Setting: Install concrete roof tiles according to TRI/FRSA's "Concrete and Clay Roof Tile Installation Manual."
 - 5. Cut and fit concrete roof tiles neatly around roof vents, pipes, ventilators, and other projections through roof. Fill voids with mortar.
 - 6. Install concrete roof tiles with color blend approved by Architect.
 - B. High-Profile Concrete Roof Tile Installation:
 - 1. Install tile eave closure.
 - 2. Provide minimum 3-inch (76-mm) lap between succeeding courses of concrete roof tiles.
 - 3. Install rake tiles indicated.
 - 4. Install ridge tiles with laps facing away from prevailing wind. Seal laps with asphalt roofing cement.

- C. Open Valleys: Cut concrete roof tiles at open valleys to form straight lines. Maintain uniform width of exposed open valley from highest to lowest point.
 - 1. Drill or notch cut valley tiles and wire-tie to fastener placed clear of valley metal flashings.
 - 2. Do not nail tiles to metal flashings.
 - D. Closed Valleys: Cut concrete roof tiles at closed valleys to form straight lines, trimming upper concealed corners of tiles. Maintain uniform gap of 3/4 to 1 inch (19 to 25 mm) on either side of the water diverter at centerline of valley.
 - 1. Drill or notch cut valley tiles and wire-tie to fastener placed clear of valley metal flashings.
 - 2. Do not nail tiles to metal flashings.
- 3.6 PLASTIC RIDGE VENTS
- A. Rigid-Plastic Ridge Vents: Install continuous ridge vents over concrete roof tiles according to manufacturer's written instructions. Fasten with nails of sufficient length to penetrate substrate.
- 3.7 ADJUSTING AND CLEANING
- A. Remove and replace damaged or broken concrete roof tiles.
 - B. Remove excess concrete roof tiles and debris from Project site.
- 3.8 ROOFING INSTALLER'S WARRANTY
- A. WHEREAS <Insert name> of <Insert address>, herein called the "Roofing Installer," has performed roofing and associated work ("the work") on the following project:
 - 1. Owner: <Insert name of Owner>.
 - 2. Address: <Insert address>.
 - 3. Building Name/Type: <Insert information>.
 - 4. Address: <Insert address>.
 - 5. Area of the Work: <Insert information>.
 - 6. Acceptance Date: <Insert date>.
 - 7. Warranty Period: <Insert time>.
 - 8. Expiration Date: <Insert date>.
 - B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant the work against leaks and faulty or defective materials and workmanship for designated Warranty Period,
 - C. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period he will, at his own cost and expense, make or cause to be made such repairs to or replacements of the work as are necessary to correct faulty and defective work and as are necessary to maintain the work in a watertight condition.
 - D. This Warranty is made subject to the following terms and conditions:

1. Specifically excluded from this Warranty are damages to the work and other parts of the building, and to building contents, caused by:
 - a. Lightning;
 - b. Peak gust wind speed exceeding <Insert wind speed> mph (m/sec);
 - c. Fire;
 - d. Failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
 - e. Faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
 - f. Vapor condensation on bottom of roofing; and
 - g. Activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.
 2. When the work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.
 3. Roofing Installer is responsible for damage to the work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of the work.
 4. During Warranty Period, if Owner allows alteration of the work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this Warranty shall become null and void on date of the alterations, but only to the extent the alterations affect the work covered by this Warranty. If Owner engages Roofing Installer to perform the alterations, Warranty shall not become null and void unless Roofing Installer, before starting the alterations, notified Owner in writing, showing reasonable cause for claim, that the alterations would likely damage or deteriorate the work, thereby reasonably justifying a limitation or termination of this Warranty.
 5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a use or service more severe than originally specified, this Warranty shall become null and void on date of the change, but only to the extent the change affects the work covered by this Warranty.
 6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect the work and to examine evidence of such leaks, defects, or deterioration.
 7. This Warranty is recognized to be the only warranty of Roofing Installer on the work and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of the work according to requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.
- E. IN WITNESS THEREOF, this instrument has been duly executed this <Insert day> day of <Insert month>, <Insert year>.

1. Authorized Signature: <Insert signature>.
2. Name: <Insert name>.
3. Title: <Insert title>.

END OF SECTION

07 41 13 – METAL ROOF PANELS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Sealed seam steel roofing system.
- B. Related flashings and accessories.

1.3 RELATED SECTIONS:

- A. Section 07 60 00 - Flashing and Sheet Metal
- B. Section 07 71 00 - Roof Specialties
- C. Section 07 72 00 - Roof Accessories
- D. Section 07 90 00 - Joint Protection

1.4 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 - 1. ASTM A446: Steel Sheet, Zinc-Coated (Galvanized) by the Hot Dip Process, Structural (Physical) Quality
 - 2. ASTM A525-91b: General Requirements for Steel Sheet, Zinc-Coated (Galvanized) by the Hot Dip Process
 - 3. ASTM A527-80: Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Lock-Forming Quality
 - 4. ASTM A792-77: Steel Sheet, Aluminum-Zinc Alloy-Coated by the Hot-Dip Process
 - 5. ASTM E241-77: Increased Durability of Building Constructions against Water Induced Damage
 - 6. ASTM E283: Static Air Infiltration
 - 7. ASTM E331: Static Water Infiltration
- B. Sheet Metal and Air Conditioning Contractors of North America (SMACNA): Architectural Sheet Metal Manual
- C. National Coil Coaters Association
- D. Uniform Building Code
- E. Underwriters Laboratories (UL): Applicable listings.
- F. Factory Mutual Research Corporation (FM): Applicable listings.

1.5 SUBMITTALS

A. Prior to Bid:

1. Product Data:
 - a. Manufacturers product catalogs or descriptive data, standard specifications and details.
 - b. Technical data to substantiate compliance with these specifications.
2. Certification:
 - a. Independent laboratory testing report for system design load and seam integrity.
 - b. Professional engineer's documentation that system incorporates sufficient allowance for stress and movement.
 - c. A letter from an officer of the manufacturing company certifying that the materials furnished for this project are the same as represented in tests and supporting data.
 - d. Manufacturer's verifications that the panels are factory roll formed.

B. Prior to Fabrication:

1. Shop drawings showing layout of every roof panel and structural supporting member required in the installation with side laps and end laps marked within 1% deviation of their actual location. Details shall also be provided for edge conditions, seams, joints, corners, panel profiles, assembly anchoring techniques, round and square flashings and counterflashings.
2. Samples illustrating thickness, finish, color and textures of materials.
3. Mill production reports showing that the steel thicknesses are within allowable tolerances of the nominal or minimum thickness or gauge specified.

C. Prior to Final Acceptance:

1. Manufacturer's standard Care and Maintenance Manual.
2. A final corrected copy of catalog data and as-built shop drawings.

1.6 QUALITY ASSURANCE

A. Installer Qualifications:

1. Installer shall demonstrate written proof that he/she has completed the manufacturer's Approved Roofing Contractor course and is formally licensed for the installation of this roof system.
2. Installer shall further provide evidence that the superintendent and foreman selected for supervision on this job shall be approved by the manufacturer or shall submit a resume of past jobs of similar scope and complexity that the personnel have been involved with.

B. Submit certifications of compliance with regulatory requirements:

1. State and City Uniform Building Code.
2. Compliance with Recycled Materials Act.

C. Manufacturer's Qualifications:

1. Roof system manufacturer shall be a nationally recognized, prime manufacturer of metal roof systems.
2. Manufacturer shall have direct authority and control over all fabrication of steel components as well as the raw materials used in their fabrication.
3. Manufacturer shall be a member of the National Roofing Contractors Association (NRCA) and shall abide by the published standard practices of the organization.
4. Manufacturer shall have in place a documented, standardized method for maintaining quality control such as ISO-9001 approval.

D. Designer/Inspector Qualifications:

1. The roof system shall be designed by an employee of the manufacturer who has visited the job site and has familiarized himself with all conditions of the job.
2. The designer shall conduct all required periodic inspections of work in progress as described herein and shall furnish written documentation of all such inspections.

1.7 SOURCE QUALITY CONTROL

- A. Manufacturer shall furnish written documentation that all roof panels, flashing, trim, seam attachment devices, framing members, weather-exposed accessories, tape, caulking and sealants were furnished by this single-source company.
- B. Manufacturer shall furnish mill production documentation of specifications for steel coil stock used in the fabrication of the roof system, without organic coating per ASTM A446, ASTM A525, ASTM A527 or ASTM A792.

1.8 WARRANTY

- A. Complete roof system shall be warranted against leaks for a period of 30 years.
- B. All steel and paint finishes shall be warranted by the manufacturer to be free from red rust, chipping, cracking, flaking, blisters or peeling for a period of twenty years.

PART 2 - PRODUCTS

2.1 SYSTEM DESCRIPTION

- A. Provide a factory-formed, prefinished, sealed-seam metal roofing system with non-thermal bridging fastening system over rigid insulating substrate that includes:
 1. Panels pre-manufactured in continuous lengths up to one hundred feet.
 2. Flashings, edges, and terminations pre-manufactured by the panel manufacturer.
 3. Steel framing and support structure pre-fabricated and furnished by the panel manufacturer.
 4. All exposed fasteners shall be furnished by the panel manufacturer.
 5. All caulking, sealants, and related roofing components furnished by the panel manufacturer.

- B. Provide a completed roofing system that has been evaluated and tested with documentation to support the following requirements:
 - 1. Roof system's ability to withstand a minimum 200 PSF live load.
 - 2. System shall be verified to support an 80 PSF design live load with a 2.5 minimum factor of safety.
 - 3. The sealed seam of the roofing system shall be tested and verified to retain 3" of water above the highest point of the seam for a period of one hour without any leakage.
 - 4. Thermal Performance:
 - a. Roofing system shall be metal Title 24 Energy Star roof.
 - b. Manufacturer shall verify that no heat-conductive mechanical fastener shall be required in the roof system that will be in contact with both the steel roof surface and the interior building space, air plenum, or attic.
- C. Provide positive drainage over entire roofing area, at no less, than 1/2"-12".
- D. Existing roofs, with ridges, shall be 1"-12" four feet from eave, and then 1/2"-12" to the ridge. Ridge cap shall be 22 gauge 16"x120", white.

2.2 SYSTEM PERFORMANCE-FLAT METAL SEAM ROOFING SYSTEM

- A. Longevity:
 - 1. System, as specified, shall have been in continuous use for a minimum of 30 years.
- B. Utility:
 - 1. System shall be capable of accommodating the existing building structure without the need for major structural modification, alteration, or disturbance of the existing operation.
- C. Versatility:
 - 1. System shall be capable of adaptation to any commonly used structural type so that standardization of use may be maintained in the future.
 - 2. System shall demonstrate that future modifications can be made such as addition and/or removal of roof top equipment or building additions.
- D. Design:
 - 1. System shall be capable of installation with all seam and flashing sealants in continuous, full compression.
 - 2. System shall be capable of accommodating all expected, normal building movement without any transmittal of expansion or contraction through or along a sealed seam.

2.3 COMPONENTS

- A. Aluminum-Zinc Alloy Coated Steel:
 - 1. Steel sheet, Aluminum-Zinc Alloy Coated, ASTM A792, Coating Designation AZ-50, in thickness of 0.0157 for field panel, 0.0217 for accessory components, .0336 for

framing pieces by min. 36 in. by coil, chemically treated, commercial, lock-forming quality.

2. No plastic, or rubber single ply will be accepted, the membrane must meet performance properties enclosed, and must be aluminum-zinc alloy coated steel.

B. Steel Finishes

1. Siliconized modified polyester, epoxy primer baked both sides, as approved by finish coat manufacturer.

	<u>Property</u>	<u>Test Method</u>	<u>SMP</u>
a.	Pencil	ASTM D-3363 NCCA II-2	F-H
b.	Bend	ASTM D-4145 NCCA II-19	2-T
c.	Cross-Hatch Adhesion	ASTM D-3359	no loss of adhesion
d.	Gloss (60° angle)	ASTM D-523	90±5%
e.	Reverse Impact	ASTM D-2794	no cracking or loss of adhesion
f.	Nominal Thickness	ASTM D-1005	
	1) primer	0.2 mils	
	2) topcoat	<u>0.8 mils</u>	
	3) TOTAL	1.0 mils	

C. Accessories:

1. Job Installed In-Seam Sealant: Modified polyisobutylene tape, 1/8" thick by 1-1/2" wide, minimum.
 - a. Seaming material shall be comprised of a pre-formed, non-hardening polyisobutylene rubber based elastic compound designed for use where space tolerance is limited.
 - b. Material shall be furnished in a two-sided, moisture-proof, self-adhering tape form that shall accommodate compression, extension, elongation in a form fitting profile without exhibiting memory tendency in order to allow for permanent or semi-permanent surface irregularities or structural expansion/contraction within the system.
 - c. Elongation: 25% Maximum
 - d. Recovery: 2% Maximum
 - e. Solids: 100% Maximum
 - f. Odor: None
 - g. Cure Time: Non-Curing
 - h. Flow: Slight
 - i. Color: Black or white
 - j. Adhesion (Metal): Peel: 15l lbs./lin.in. Shear: 55 lbs./in.
 - k. Seamability: 100% cohesion of mating surfaces
 - l. Cold Temperature: Passes -30°F. Flex over 1" Mandrel

- m. Softening Point: 200°F.
- 2. Factory Applied Sealant:
 - a. Sealant must consist of a specified hot melt (100% solids thermoplastic material) in a 100% consistent application to affect a permanent, water-tight seal in a full compression configuration.
- 3. One component urethane meeting FS TT-S-00230C and ASTM C-920-79.
- 4. One component acrylic terpolymer meeting FS TT-S-00230.
- 5. Framing System Fasteners:
 - a. Metal Deck: FM 4470 Pinch point, fluorocarbon coated #14 fastener.
 - b. LightWeight Concrete, or Concrete Olympic Fastener, to be installed every 18" O.C. Staggered, or Rawl, Spike, that must be pre-drilled
 - c. Wood Deck: FM 4470 Pinch point, fluorocarbon coated #14 fastener or wood deck auger type fastener, or peel rivet, to be installed every 12" O.C. Staggered.
- 6. Seam Screws: Sheet Metal Fastener size #10 or #12 by 3/4" or 1" supplied by roof system manufacturer.
- 7. Wood Nailers, Curbs and Sleepers: California Redwood, #2 grade. No treated wood utilizing salt-base preservatives shall be allowed. Material safety Data Sheets must be provided to the roofing manufacturer for verification of preserving agents prior to the installation of any pressure treated wood.
- 8. Miscellaneous Fasteners:
 - a. TEK #1 or #4 screws
 - b. Expanding fasteners 1/4" min.
- 9. Prefabricated Stack Flashings: Flexible pre-fabricated round stack flashings with integrated pressure ring shall be used for all round pipe flashings as furnished by roof system manufacturer. Flashings shall be wraparound style, flexible flashing with integral metal flashing ring.
- 10. Temporary Night Sealant: Self-contained, two-component urethane foam.
- 11. Unitized Vents: Spun-aluminum, one-way moisture vapor relief vents as furnished by roof system manufacturer.

PART 3 - EXECUTION

3.1 FABRICATION

- A. In order to maximize quality control and conform to inorganic coating manufacturers' warranty limitations, all roll forming processes shall be done at the manufacturer's factory. Absolutely no roll forming will be permitted on the job site.
- B. Exercise careful compliance with specified requirements for fabricated profile, dimensional, and structural requirements.
- C. Provision shall be made for the roof system to self-ventilate and breathe according to ASTM E241 guidelines.

1. Ventilation shall be shown to be free-flowing between panels in each contiguous roof area.

D. Roofing system shall be designed to resist capillary action of water at any slope.

E. Tolerances:

1. Roof system shall be designed to accommodate normal building dimension tolerances without panel distortion or weaving.
2. Panels shall not be shimmed to straighten an out-of-line structure.
3. Follow the correct published panel alignment recommendations of the manufacturer without variation.

3.2 DELIVERY, STORAGE, AND HANDLING

- A. All roof panels shall be shipped from the manufacturer with polystyrene or similar cushioned packaging material separating the individual panels to minimize flexing, stressing, scratching or otherwise damaging the material during transit to the job.
- B. All steel shall be fully covered during transit by tarpaulins or similar protective cover to prevent dirt and debris from coming in contact with the finished goods.
- C. Stack prefinished materials to prevent twisting, bending, abrasion and denting and elevate one end to facilitate moisture run-off.
- D. Load roof panels using a boom or crane, supporting the panels in at least two locations during lifting, and never lift more than three panels at a time.
- E. Cover all materials that are moisture sensitive to keep completely protected from the weather.
- F. Protect water-based materials from inclement weather.
- G. It is the installer's responsibility to confirm the correct quantity and condition of all material prior to accepting delivery.

3.3 PROJECT/SITE CONDITIONS

- A. Field Measurements:
 1. It is the installer's responsibility to confirm field dimensions prior to ordering for fabrication.
 2. All field measurements shall be performed in a manner to allow for the minimum number of field seams while assuring that water flows parallel to the roll-formed direction of the panels.
- B. Pre-Installation Conference shall be required a minimum of two weeks prior to starting job.
 1. Review specifications, proposed deviations, discuss shop drawings, and verify substrate conditions.
 2. Clarify site access, storage areas, crane access, coordination with trades and sequencing of work.
 3. Verify exact measurements of roof areas to order material sizes and determine if manufacturer technical support should be scheduled.

3.4 SEQUENCING AND SCHEDULING

- A. All tapered insulation and/or structural systems, including drain crickets and saddles shall be installed prior to installation of the roof framing system. All debris is to be cleaned down to wood deck, if metal deck, contractor shall to install in accordance with specifications. Contractor shall be responsible for replacing all defecting decking. All accessories to include new wall panels, and coping.
- B. All masonry repairs, painting, or debris removal to occur above the roof system shall be completed prior to completion of this roof area.
- C. All copper, lead or other metal that may induce galvanic corrosion shall be removed or replaced prior to the installation of steel products that will be in direct exposure with the dissimilar material.
- D. Coordinate all plumbing, mechanical and electrical trades so that newly installed roofing is not unnecessarily damaged.

3.5 VERIFICATION OF CONDITIONS

- A. Contractor shall verify, on-site, that conditions presented are suitable for performance of the work. Report discrepancies in writing to the Owner or Project Designer.
- B. The roof deck or substrate shall be inspected to assure that all surfaces are even, sound, and free of defects, damage, or decay and in good condition.
- C. Contractor shall verify all physical dimensions so that all materials are ordered to fit the job.

3.6 PREPARATION

- A. System shall be designed so that the panel installation may be started and/or terminated at any given point in the area. It is understood that the ongoing operations of the Owner are of a critical nature as to leak sensitivity. Do not work on more roof area than can be restored completely watertight in one day. Price/ square foot to be quoted in contractor 's bid for deck replacement, where the is defective decking.
- B. All accumulations of asphalt or other repair materials shall be removed to provide a relatively level substrate.
 - 1. Existing metal details and other metal accessories specified for re-use that interfere with the installation of the new roof system shall be carefully removed and set aside for re-use.
 - 2. Any metal described above that will come in contact with the new roof shall be checked for type and replaced or protected if galvanic action may be a problem.
- C. Existing contaminating material must be stripped from all metal components that are indicated to be re-utilized. Care must be taken to protect these metal components and any damaged shall be replaced with new of similar type and dimension.
- D. All wood blocks and/or sleepers are to be replaced as part of this project with new treated wood or redwood. Any treated wood shall not contain salt based preservatives or materials corrosive to steel. Material Safety Data Sheets must be provided to the roofing manufacturer for verification prior to installation.
- E. Any pipes, conduits or equipment that the Owner determines to be no longer needed shall be removed under this contract.

- F. All curbs, soil stacks, and other interior flashing surfaces shall be extended to a minimum of 8" above the new horizontal roof surface or shall be pressure sealed at the top edge.

3.7 INSTALLATION

- A. Install all components of the roof system in exact accordance with the manufacturer's standard published procedures as applicable to these project conditions and substrates.
- B. The expressed and implied intent of all specifications contained herein shall prevail and take precedent over the manufacturer or any other specifying or associated authority.
- C. At any time during the installation, should manufacturer's procedures and these specifications come into unworkable conflict, all work shall be stopped, interested parties notified, and no work shall take place until a resolution is reached. Contractor to install Base sheet, (where there are existing wood decks,) as underlayment for the new metal roofing system. This shall be attached to the deck, and be purchased from the metal membrane manufacturer, for warranty purposes, if substrate is a wood deck.
- D. Steel framing system installation
 1. The steel framing system shall be installed around the entire perimeter of the roof, all curbs and boxes and as closely to the existing edge and vertical walls as possible. A secondary framing system shall be installed at a nominal distance of 48" in from all outside perimeters of roof areas. This wind protection frame shall be adjustable 24" in either direction, in order to accommodate coincidental field seams that may occur.
 2. The entire roof area shall then be measured and laid out to determine the designed or practical use of the furnished panels. The framing system shall be installed to the roof surface so that the framing system may be fastened through the existing roof and into the roof deck or structured supports with the entire perimeter of all steel panels covering the fastening flange of the metal framing system.
 3. A pre-fabricated drain or ridge line framing system shall be installed along the bottom of all valleys, including along the leading edge of crickets and saddles and along the ridges formed by adjoining slopes in excess of 2" in 12" or as specified. All roof slope shall be no less than 1/2"-12".
 4. All steel frames, as described above, shall be anchored to the roof deck with appropriate fasteners.
 5. The adjoining ends of framing sections shall be overlapped. Ends that adjoin or abut the sides of frames shall be lap cut so that there are no gaps between adjoining sections.
- E. Install rigid board insulation. The insulation will be EPS board insulation with a required minimum density of 1.5 lbs/cu.ft. All tapered insulation shall be installed to create, a minimum 1/2"-12" slope where necessary, before framing channels are installed. After framing channels are installed, 3/4" EPS insulation shall be installed between hat sections.
- F. Steel roof membrane installation
 1. All panels and other components of the work shall be installed and anchored to the framing supports, making provision for the critical concerns specified below:
 2. Seam tape shall be applied to the tops of all framing sections occurring in valley channels, on secondary framing systems, or along leading edge of crickets or saddles,

centered along the top of the framing sections. The paper seam tape backer shall be removed

3. The steel roof membrane shall be applied over the framing sections, beginning at the valley or lowest point of the roof, assuring that the panels completely cover the tops of the steel framing sections. 2" x 8" dimensional wood planks shall be used to hold the membrane in place until properly aligned and anchored.
4. Seam tape shall be applied to the underside of the overlapping portion of adjoining pieces of metal so that approximately 1/8" of tape extends beyond the edge of the metal.
5. The taped steel panel shall be aligned so that it overlaps the preceding panel by approximately 1-1/2" but does not extend beyond the edge of the top of the underlying framing section.
 - a. Seam fasteners may be placed at any point along the steel panels to temporarily anchor them in place, but these fasteners may require removal during the final anchoring process to allow all slack to be removed from the panel.
 - b. The location of all blind framing sections shall be marked before placing next panel.
6. The paper seam tape backer shall be carefully removed from the seam tape, and the panels pressed together.
7. With the installer using 2" X 8" (min.) wood planks to kneel or stand on, the seam fasteners shall be placed approximately 18" O.C., beginning at the middle of the panel and working towards the ends, so that all slack is distributed throughout the length of the panels.
8. Final seaming shall be completed by installing seam fasteners every 1-1/4" O.C. between the stabilizing fasteners. Fastener guns with adjustable clutch shall be used on all fastening panels and accessories. Final seaming is to occur, for all panels installed, at the end of each day.
 - a. All seam fasteners shall be set so that the seam is fully compressed, with caution being taken not to over-torque or under-torque the fasteners.
 - b. The head of each seam fastener shall be set with its leading edge approximately 1/8" to 1/4" from the edge of the steel panel, but never extending beyond the edge of the seam nor occurring greater than 1/4" away from the edge of the seam.
 - c. Final seaming shall not be completed at the walls or vertical surfaces until the wall flashing system is installed.
 - d. A seam fastener shall be placed in the corner of every panel.
 - e. A seam fastener shall be placed directly on either side of every factory seam.
9. Blind seams shall be completed after all panels are in place.
 - a. All seam screws shall be set so that the seam is fully compressed, with caution being taken not to over-torque or under-torque the fasteners.
 - b. Using the marks placed on the panels as a guide to the location of the underlying steel framing section, the installer shall snap a chalk line the entire length of the valley, ridge, or secondary framing section.

- c. The paper backer shall be carefully removed from the seam tape prior to fastening the panel.
- d. The final blind seaming shall be completed by installing seam fasteners as specified between the stabilizing fasteners, assuring that the fasteners penetrates the underlying sealant. All fasteners to be installed with a template to insure proper fastening pattern.

G. Steel flashings installation at curb and wall

- 1. Factory fabricated wall flashing pieces shall be installed so that the leading edge of the deck flange lines up with the top of the underlying framing section.
- 2. Seam tape shall be applied to the underside of the wall flashing metal so that approximately 1/8" of tape extends beyond the edge of the metal.
- 3. The wall flashing piece shall press against the vertical wall with a spring tension action.
- 4. The final seaming shall be completed by installing seam fasteners every 1-1/4" O.C.
 - a. All seam fasteners shall be set so that the seam is fully compressed, with caution being taken not to over-torque or under-torque the fasteners.
 - b. The heads of the seam fasteners shall never extend beyond the edge of the seam nor occur greater than 1/4" away from the edge of the seam. The adjoining sections of metal shall be seamed together with an overlap a minimum of 2".
 - c. Parapet Wall Detail, and Coping Cap will be furnished by metal membrane manufacturer, and installed according to enclosed drawing. All coping will be installed, according to manufacturer's recommendation.
- 5. The final seaming along the vertical portion of the metal flashing shall be completed by installing seam fasteners every 1-1/4" O.C.
 - a. Seam tape shall be applied to the underside of the overlapping piece, allowing approximately 1/8" of tape to be exposed beyond the leading edge. The paper seam tape backer shall be removed.
 - b. The seamed area of metal shall be pressed onto the underlying section at appropriate overlap, beginning at the vertex of the angle, so that there is no gap where the two pieces adjoin.
 - c. The first seam fastener shall be installed directly into the angle, securely anchoring this spot, to the underlying flashing.
 - d. All seam fasteners shall be set so that the seam is fully compressed, with caution being taken not to over-torque or under-torque the fasteners.
 - e. The heads of the seam fasteners shall never extend beyond the edge of the seam nor occur greater than 1/4" away from the edge of the seam. The adjoining sections of metal shall be seamed together with an overlap a minimum of 2".
 - f. The inside and outside corners shall be mitered and shall be installed with seam tape and seam fasteners as described above.

H. Flashing installation at pipes, projections, pitch pans and conduits.

- 1. All soil stacks shall receive new pre-fabricated unitized stack flashings, to be purchased from the membrane manufacturer. The stacks, shall be the wrap around version.

- a. The base flange on the unitized flashing shall receive seam tape to the underside of the leading edge of the flange so that approximately 1/8" of tape extends beyond the edge of the metal. The paper seam tape backer shall be removed.
 - b. The flexible rubber upper portion of the flashing shall be cut to the size of the O.D. of the pipe, as inscribed on the flashing.
 - c. A bead of caulking shall be applied around the pipe, approximately 2" above the point where the flexible rubber will terminate. The flashing shall then be slid down over the pipe so that the caulking bead is compressed as full contact with the roof is made.
 - d. A stainless steel pipe clamp shall be installed to the upper seal area of the flexible rubber top.
 - e. The final seaming shall be completed by installing seam fasteners every 1-1/4" O.C. around the base.
 - f. All seam fasteners shall be set so that the seam is fully compressed, with caution being taken not to over-torque or under-torque the fasteners.
 - g. The heads of the seam fasteners shall never extend beyond the edge of the seam nor occur greater than 1/4" away from the edge of the seam.
2. All pitch pans, if required, shall be replaced with new 26 gauge (min.) Galvalume or stainless steel sheet metal.
 - a. New pans shall be constructed so that a continuous 4" flange is in place around the perimeter, with sides a minimum of 3" high and hemmed to the outside.
 - b. There shall be a minimum of 2" clearance, at all points, between the sides of the pan and the projection that it is flashing.
 - c. The base flange on the pan shall receive seam tape to the underside of the leading edge of the flange, so that approximately 1/8" of tape extends beyond the edge of the metal. The paper seam tape backer shall be removed.
 - d. The taped metal flange shall be aligned so that it overlaps the underlying panel by a minimum of 2" on all sides.
 - e. The final seaming shall be completed by installing seam fasteners every 1-1/4" O.C. around the base.
 - f. All seam fasteners shall be set so that the seam is fully compressed, with caution being taken not to over-torque or under-torque the fasteners. Seam Fasteners shall be installed using manufacturer's seam fastener template.
 - g. The heads of the seam fasteners shall never extend beyond the edge of the seam nor occur greater than 1/4" away from the edge of the seam.
 - h. The pitch pan shall be filled half-full with non-shrink grout, then filled full with 100% solids pitch pan filter, tapered in a watershed fashion away from the projection.
3. All conduits and mechanical lines and pipes shall be installed resting on redwood or treated wood weigh displacement supports. All copper pipes shall be protected from exposing the roof to galvanic reactions.
 - a. The conduit or pipe shall be anchored to the wood block with fasteners and brackets of similar metal to that of the pipe.

- b. Wood blocks shall be of sufficient size and spacing to adequately support the conduit or pipe above the roof membrane, without bowing.
- 4. All closed top round flashing shall be flashed with a pre-fabricated wrap-around style unitized flashing.
 - a. The base flange on the unitized flashing shall receive seam tape to the underside of the leading edge of the flange so that approximately 1/8" of tape extends beyond the edge of the metal. The paper seam tape backer shall be removed.
 - b. The flexible rubber upper portion of the flashing shall be cut to the size of the O.D. of the pipe, as inscribed on the flashing.
 - c. A bead of caulking shall be applied around the pipe, at the top of the unitized flashing
 - d. A stainless steel pipe clamp shall be installed to the upper seal area of the flexible rubber top.
 - e. The final seaming shall be completed by installing seam fasteners every 1-1/4" O.C. around the base.
 - f. All seam fasteners shall be set so that the seam is fully compressed, with caution being taken not to over-torque or under-torque the fasteners.
 - g. The heads of the seam fasteners shall never extend beyond the edge of the seam nor occur greater than 1/4" away from the edge of the seam.

I. Counterflashing installation

- 1. Prefabricated counterflashings shall be installed as required along all perimeter walls and over all interior flashings that do not have a protective flange covering the top of the baseflashing
- 2. Seam tape or sealant shall be applied to the back side of the fastening flange of the counterflashing piece. The paper seam tape backer shall be removed.
- 3. The counterflashing shall be installed in place with appropriate, required fasteners placed 6"-12" O.C. through the center of the fastening flange and anchored so that the flange is secured in place in a spring compression situation. The adjoining sections of metal shall overlap a minimum of 1/2" and a seam fastener shall be installed through both pieces of metal to anchor them to the wall or substrate.
- 4. A bead of urethane sealant shall be applied to the top edge of the metal, centered over the edge, and tooled to shed water.

J. Metal edge installation

- 1. If the roof system has been designed for water to drain away from the edge, the metal edge shall be installed after the roof membrane has been installed; if the roof system has been designed for water to flow over the metal edge, the metal edge shall be installed before the roof membrane is installed.
- 2. If necessary the steel roof membrane shall be cut to be even with the outside edge of the perimeter steel framing section.
- 3. The metal edge shall be installed with seam tape in place between it and the roof membrane, with the tape exposed approximately 1/8". The open bottom hem of the metal edge shall be used as the outside anchoring cleat. The paper seam tape backer shall be removed.

4. Deck flange on metal edge shall terminate evenly with the inside edge of the top portion of the steel framing section.
5. The final seaming shall be completed by installing seam fasteners every 1-1/4" O.C. around the base.
 - a. All seam fasteners shall be set so that the seam tape is fully compressed, with caution being taken not to over-torque or under-torque the fasteners.
 - b. The heads of the seam fasteners shall never extend beyond the edge of the seam nor occur greater than 1/4" away from the edge of the seam.
6. New coping shall be installed, on the facility, with a wood nailer, installed with Olympic fastener, 1 every 2 square feet. Install new coping, per membrane manufacturer's recommendation, including, cleat to be furnished by the membrane manufacturer.

K. Vent installation

1. One-way, moisture vapor relief vents shall be installed on the roof area.
2. One vent shall be installed in a central location of every major roof panel, over 200 square feet, and aligned for a consistent appearance.
3. A 4" round hole shall be cut at each vent location.
4. Seam tape shall be applied to the underside of the prefabricated vent, allowing approximately 1/8" to extend beyond the edge of the metal. The paper seam tape backer shall be removed.
5. The vent shall be pressed to the roof surface and centered over the 4" hole.
6. The final seaming shall be completed by installing seam fasteners every 1-1/4" O.C. around the base.
 - a. All seam fasteners shall be set so that the seam is fully compressed, with caution being taken not to over-torque or under-torque the fasteners.
 - b. The heads of the seam fasteners shall never extend beyond the edge of the seam nor occur greater than 1/4" away from the edge of the seam.

L. Drain flashing installation

1. Fabricated metal sump pan with integral framing sections shall be installed.
2. Steel roof membrane shall be cut evenly with the inside edge of the top section of the integral framing section. All drains to be purchased from the steel membrane manufacturer.
3. Seam tape shall be installed to the underside of the roof membrane so that 1/8" shows beyond the leading edge. Paper seam tape backer shall be removed, and tape pressed in place.
4. The final seaming shall be completed by installing seam fasteners every 1-1/4" O.C. around the base.
 - a. All seam fasteners shall be set so that the seam is fully compressed, with caution being taken not to over-torque or under-torque the fasteners.
 - b. The heads of the seam fasteners shall never extend beyond the edge of the seam nor occur greater than 1/4" away from the edge of the seam.

5. The adjusting nuts on the backflow prevention device shall be adjusted to expand the urethane seal against the inside of the drain leader.
6. The drain strainer shall be installed.

M. Scupper and through-wall termination installation

1. Prefabricated scupper liners shall be installed in place before the wall flashings are installed.
2. Scupper liners shall be large enough to slip through the opening in the wall, and all flanges must fit flush to their corresponding adjoining surfaces.
3. Scuppers shall be anchored in place with appropriate, recommended fasteners placed 4" O.C. and in all corners and transitions.
4. Seam tape shall be installed on the underside of all flashings and membrane terminations at the scupper. The paper seam tape backer shall be removed
5. The final seaming shall be completed by installing seam fasteners every 1-1/4" O.C. around the base.
 - a. All seam fasteners shall be set so that the seam is fully compressed, with caution being taken not to over-torque or under-torque the fasteners.
 - b. The heads of the seam fasteners shall never extend beyond the edge of the seam nor occur greater than 1/4" away from the edge of the seam.

N. Protective coating installation

1. All excess seam tape shall be trimmed away even with the edge of the lap, using a piece of discarded sheet metal rounded-off as a knife (do not use utility knives).
2. After all work is complete and the roof has been inspected and approved by the material manufacturer and the owner, a protective coating shall be applied to all seam areas.
3. Protective coating shall be applied to all inside and outside corner seams, along the tops of seams in projections, and around all sump pan and through wall scupper seams, etc.
4. Protective coating shall be applied to all field seam, blind seam and other mechanically fastened areas, and over all caulking applications. Coating shall be premium urethane coating, with application rate of 100 lineal feet, per gallon. Seams shall be taped, no less than 3 inches wide, and screws will not be visible, after coating. Coating to furnished by membrane manufacturer.
5. Protective coating is to be applied within 72 hours of completion of seam areas.

END OF SECTION

07 41 13.16 – STANDING-SEAM METAL ROOF PANELS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes standing-seam metal roof panels.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Meet with Owner, Architect, Owner's insurer if applicable, metal panel Installer, metal panel manufacturer's representative, structural-support Installer, and installers whose work interfaces with or affects metal panels, including installers of roof accessories and roof-mounted equipment.
 - 2. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 3. Review methods and procedures related to metal panel installation, including manufacturer's written instructions.
 - 4. Examine support conditions for compliance with requirements, including alignment between and attachment to structural members.
 - 5. Review structural loading limitations of deck, purlins and rafters during and after roofing.
 - 6. Review flashings, special details, drainage, penetrations, equipment curbs, and condition of other construction that affect metal panels.
 - 7. Review governing regulations and requirements for insurance, certificates, and tests and inspections if applicable.
 - 8. Review temporary protection requirements for metal panel systems during and after installation.
 - 9. Review procedures for repair of metal panels damaged after installation.
 - 10. Document proceedings, including corrective measures and actions required, and furnish copy of record to each participant.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of panel and accessory.

B. Sustainable Design Submittals:

1. Product Test Reports: For roof materials, documentation indicating that roof materials comply with Solar Reflectance Index requirements.
2. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.

C. Shop Drawings:

1. Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.
2. Accessories: Include details of the flashing, trim, and anchorage systems, at a scale of not less than 3 inches per 12 inches (1:5).

D. Calculations:

1. Include calculations with registered engineer seal, verifying roof panel and attachment method resist wind pressures imposed on it pursuant to applicable building codes.

E. Samples for Verification: For each type of exposed finish required, prepared on Samples of size indicated below.

1. Metal Panels: 12 inches (305 mm) long by actual panel width. Include clips, fasteners, closures, and other metal panel accessories.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Test Reports: For each product, for tests performed by a qualified testing agency.
- C. Sample Warranties: For special warranties.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For metal panels to include in maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in architectural sheet metal products.

- B. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.
- C. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.
 - 1. Build mockup of typical roof area and eave, including fascia, and soffit as shown on Drawings; approximately 12 feet (3.5 m) square by full thickness, including attachments, underlayment, and accessories.
 - 2. Build mockups for typical roof area only, including accessories.
 - a. Size: 12 feet (3.5 m) long by 6 feet (1.75 m).
 - 3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 - 4. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver components, metal panels, and other manufactured items so as not to be damaged or deformed. Package metal panels for protection during transportation and handling.
- B. Unload, store, and erect metal panels in a manner to prevent bending, warping, twisting, and surface damage.
- C. Stack metal panels horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store metal panels to ensure dryness, with positive slope for drainage of water. Do not store metal panels in contact with other materials that might cause staining, denting, or other surface damage.
- D. Retain strippable protective covering on metal panels during installation.

1.8 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of metal panels to be performed according to manufacturers' written instructions and warranty requirements.

1.9 COORDINATION

- A. Coordinate sizes and locations of roof curbs, equipment supports, and roof penetrations with actual equipment provided.

- B. Coordinate metal panel installation with rain drainage work, flashing, trim, construction of soffits, and other adjoining work to provide a leakproof, secure, and noncorrosive installation.

1.10 WARRANTY

- A. Special Warranty on Panel Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace metal panels that show evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Hunter units when tested according to ASTM D 2244.
 - b. Chalking in excess of a No. 8 rating when tested according to ASTM D 4214.
 - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
 - 2. Finish Warranty Period: 20 years from date of Substantial Completion.
- B. Special Weathertightness Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace standing-seam metal roof panel assemblies that fail to remain weathertight, including leaks, within specified warranty period.
 - 1. Warranty Period: 20 years from date of Substantial Completion.
- C. Special Installer Warranty: Furnish a written warranty signed by the Panel Applicator guaranteeing materials and workmanship for watertightness of the roofing system, flashings, penetrations, and against all leaks.
 - 1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - 1. ASC Profiles; AEP Span; A BlueScope Steel Company
 - 2. ATAS International, Inc.
 - 3. Berridge Manufacturing Company
 - 4. Fabral

5. MBCI; a Division of NCI Group, Inc.
6. McElroy Metal, Inc.
7. Morin; a Kingspan Group Company
8. Or equal.

2.2 PERFORMANCE REQUIREMENTS

- A. Recycled content Value (RCV): Minimum RCV per California Green Building Standards Code, T24 Part 11, Section A5.
- B. Solar Reflectance Index (SRI): Three-year-aged SRI not less than 32 or initial SRI not less than 39 when calculated according to ASTM E 1980, based on testing identical products by a qualified testing agency.
- C. Energy Performance: Provide roof panels that are listed on the EPA/DOE's ENERGY STAR "Roof Product List" for steep-slope roof products.
- D. Structural Performance: Provide metal panel systems capable of withstanding the effects of the following loads, based on testing according to ASTM E 1592:
 1. Wind Loads: As indicated on Drawings.
 2. Other Design Loads: As indicated on Drawings.
 3. Deflection Limits: For wind loads, no greater than 1/180 of the span.
- E. Air Infiltration: Air leakage of not more than 0.06 cfm/sq. ft. (0.3 L/s per sq. m) when tested according to ASTM E 1680 or ASTM E 283 at the following test-pressure difference:
 1. Test-Pressure Difference: 6.24 lbf/sq. ft. (300 Pa).
- F. Water Penetration under Static Pressure: No water penetration when tested according to ASTM E 1646 or ASTM E 331 at the following test-pressure difference:
 1. Test-Pressure Difference: 15 lbf/sq. ft. (718 Pa).
- G. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
 1. Temperature Change (Range): 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

2.3 STANDING-SEAM METAL ROOF PANELS

- A. General: Provide factory-formed metal roof panels designed to be installed by lapping and interconnecting raised side edges of adjacent panels with joint type indicated and mechanically attaching panels to supports using concealed clips in side laps. Include clips, cleats, pressure plates, and accessories required for weathertight installation.
 - 1. Steel Panel Systems: Unless more stringent requirements are indicated, comply with ASTM E 1514.
 - 2. Aluminum Panel Systems: Unless more stringent requirements are indicated, comply with ASTM E 1637.
- B. Vertical-Rib, Snap-Joint, Standing-Seam Metal Roof Panels **<Insert drawing designation>**: Formed with vertical ribs at panel edges and a flat pan between ribs; designed for sequential installation by mechanically attaching panels to supports using concealed clips located under one side of panels, engaging opposite edge of adjacent panels, and snapping panels together.
 - 1. Metallic-Coated Steel Sheet: Zinc-coated (galvanized) steel sheet complying with ASTM A 653/A 653M, G90 (Z275) coating designation, or aluminum-zinc alloy-coated steel sheet complying with ASTM A 792/A 792M, Class AZ50 (Class AZM150) coating designation; structural quality. Prepainted by the coil-coating process to comply with ASTM A 755/A 755M.
 - a. Nominal Thickness: 0.028 inch (0.71 mm).
 - b. Exterior Finish: Two-coat fluoropolymer.
 - c. Color: As selected by Architect from manufacturer's full range.
 - 2. Aluminum Sheet: Coil-coated sheet, ASTM B 209 (ASTM B 209M), alloy as standard with manufacturer, with temper as required to suit forming operations and structural performance required.
 - a. Thickness: 0.032 inch (0.81 mm).
 - b. Surface: Smooth, flat finish.
 - c. Exterior Finish: Two-coat fluoropolymer.
 - d. Color: As selected by Architect from manufacturer's full range.
 - 3. Clips: **Continuous Cee-Rib with Vinyl Weatherseal Insert** to accommodate thermal movement.
 - a. Material: 0.028-inch- (0.71-mm-) nominal thickness, zinc-coated (galvanized) or aluminum-zinc alloy-coated steel sheet.
 - b. Material: 0.025-inch- (0.64-mm-) thick, stainless-steel sheet.

4. Panel Coverage: 12 inches (305 mm).
5. Panel Height: 1.5 inches (38 mm).

2.4 UNDERLAYMENT MATERIALS

- A. Self-Adhering, High-Temperature Underlayment: Provide self-adhering, cold-applied, sheet underlayment, a minimum of 40 mils (1.02 mm) thick, consisting of slip-resistant, polyethylene-film top surface laminated to a layer of butyl or SBS-modified asphalt adhesive, with release-paper backing. Provide primer when recommended by underlayment manufacturer.
 1. Thermal Stability: Stable after testing at 240 deg F (116 deg C); ASTM D 1970.
 2. Low-Temperature Flexibility: Passes after testing at minus 20 deg F (29 deg C); ASTM D 1970.
- B. Felt Underlayment: ASTM D 226/D 22M, Type II (No. 30), asphalt-saturated organic felts.

2.5 MISCELLANEOUS MATERIALS

- A. Miscellaneous Metal Subframing and Furring: ASTM C 645; cold-formed, metallic-coated steel sheet, ASTM A 653/A 653M, G90 (Z275 hot-dip galvanized) coating designation or ASTM A 792/A 792M, Class AZ50 (Class AZM150) coating designation unless otherwise indicated. Provide manufacturer's standard sections as required for support and alignment of metal panel system.
- B. Panel Accessories: Provide components required for a complete, weathertight panel system including trim, copings, fasciae, mullions, sills, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal panels unless otherwise indicated.
 1. Closures: Provide closures at eaves and ridges, fabricated of same metal as metal panels.
 2. Backing Plates: Provide metal backing plates at panel end splices, fabricated from material recommended by manufacturer.
 3. Closure Strips: Closed-cell, expanded, cellular, rubber or crosslinked, polyolefin-foam or closed-cell laminated polyethylene; minimum 1-inch- (25-mm-) thick, flexible closure strips; cut or premolded to match metal panel profile. Provide closure strips where indicated or necessary to ensure weathertight construction.
- C. Flashing and Trim: Provide flashing and trim formed from same material as metal panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, eaves, rakes, corners, bases, framed openings, ridges, fasciae, and fillers. Finish flashing and trim with same finish system as adjacent metal panels.

- D. Gutters: Formed from same material as roof panels, complete with end pieces, outlet tubes, and other special pieces as required. Fabricate in minimum 96-inch- (2400-mm-) long sections, of size and metal thickness according to SMACNA's "Architectural Sheet Metal Manual." Furnish gutter supports spaced a maximum of 36 inches (914 mm) o.c., fabricated from same metal as gutters. Provide wire ball strainers of compatible metal at outlets. Finish gutters to match roof fascia and rake trim.
- E. Downspouts: Formed from same material as roof panels. Fabricate in 10-foot- (3-m-) long sections, complete with formed elbows and offsets, of size and metal thickness according to SMACNA's "Architectural Sheet Metal Manual." Finish downspouts to match gutters.
- F. Roof Curbs: Fabricated from same material as roof panels, 0.048-inch (1.2-mm) nominal thickness; with bottom of skirt profiled to match roof panel profiles and with welded top box and integral full-length cricket. Fabricate curb subframing of 0.060-inch- (1.52-mm-) nominal thickness, angle-, C-, or Z-shaped steel sheet. Fabricate curb and subframing to withstand indicated loads of size and height indicated. Finish roof curbs to match metal roof panels.
 - 1. Insulate roof curb with 1-inch- (25-mm-) thick, rigid insulation.
- G. Panel Fasteners: Self-tapping screws designed to withstand design loads.
- H. Panel Sealants: Provide sealant type recommended by manufacturer that are compatible with panel materials, are nonstaining, and do not damage panel finish. Select sealant color to match as close to color of panels as possible with standard color selections.
 - 1. Joint Sealant: ASTM C 920; elastomeric polyurethane or silicone sealant; of type, grade, class, and use classifications required to seal joints in metal panels and remain weathertight; and as recommended in writing by metal panel manufacturer.

2.6 FABRICATION

- A. General: Fabricate and finish metal panels and accessories at the factory, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with indicated profiles and with dimensional and structural requirements.
- B. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.
- C. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.
 - 1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.

2. Sealed Joints: Form nonexpansion, but movable, joints in metal to accommodate sealant and to comply with SMACNA standards.
3. Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of accessories exposed to view.
4. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal panel manufacturer.
 - a. Size: As recommended by SMACNA's "Architectural Sheet Metal Manual" or metal panel manufacturer for application, but not less than thickness of metal being secured.

2.7 FINISHES

- A. Protect mechanical and painted finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in same piece are unacceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- C. Steel Panels and Accessories:
 1. Two-Coat Fluoropolymer: AAMA 621. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
 2. Concealed Finish: Apply pretreatment and manufacturer's standard white or light-colored acrylic or polyester backer finish consisting of prime coat and wash coat with a minimum total dry film thickness of 0.5 mil (0.013 mm).
- D. Aluminum Panels and Accessories:
 1. Two-Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, metal panel supports, and other conditions affecting performance of the Work.
 - 1. Examine primary and secondary roof framing to verify that rafters, purlins, angles, channels, and other structural panel support members and anchorages have been installed within alignment tolerances required by metal roof panel manufacturer.
 - 2. Examine solid roof sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by metal roof panel manufacturer.
 - a. Verify that air- or water-resistive barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
- B. Examine roughing-in for components and systems penetrating metal panels to verify actual locations of penetrations relative to seam locations of metal panels before installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Miscellaneous Supports: Install subframing, furring, and other miscellaneous panel support members and anchorages according to ASTM C 754 and metal panel manufacturer's written recommendations.

3.3 UNDERLAYMENT INSTALLATION

- A. Self-Adhering Sheet Underlayment: Apply primer if required by manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation. Apply at locations indicated below, wrinkle free, in shingle fashion to shed water, and with end laps of not less than 6 inches (152 mm) staggered 24 inches (610 mm) between courses. Overlap side edges not less than 3-1/2 inches (90 mm). Extend underlayment into gutter trough. Roll laps with roller. Cover underlayment within 14 days.
 - 1. Apply over the entire roof surface.
- B. Flashings: Install flashings to cover underlayment to comply with requirements specified in Section 076200 "Sheet Metal Flashing and Trim."

3.4 METAL PANEL INSTALLATION

- A. General: Install metal panels according to manufacturer's written instructions in orientation, sizes, and locations indicated. Install panels perpendicular to supports unless otherwise indicated. Anchor metal panels and other components of the Work securely in place, with provisions for thermal and structural movement.
 - 1. Shim or otherwise plumb substrates receiving metal panels.
 - 2. Flash and seal metal panels at perimeter of all openings. Fasten with self-tapping screws. Do not begin installation until air- or water-resistive barriers and flashings that will be concealed by metal panels are installed.
 - 3. Locate and space fastenings in uniform vertical and horizontal alignment.
 - 4. Install flashing and trim as metal panel work proceeds.
 - 5. Locate panel splices over, but not attached to, structural supports. Stagger panel splices and end laps to avoid a four-panel lap splice condition.
 - 6. Align bottoms of metal panels and fasten with blind rivets, bolts, or self-tapping screws. Fasten flashings and trim around openings and similar elements with self-tapping screws.
 - 7. Provide weathertight escutcheons for pipe- and conduit-penetrating panels.
- B. Fasteners:
 - 1. Steel Panels: Use stainless-steel fasteners for surfaces exposed to the exterior; use galvanized-steel fasteners for surfaces exposed to the interior.
 - 2. Aluminum Panels: Use aluminum or stainless-steel fasteners for surfaces exposed to the exterior; use aluminum or galvanized-steel fasteners for surfaces exposed to the interior.
- C. Anchor Clips: Anchor metal roof panels and other components of the Work securely in place, using manufacturer's approved fasteners according to manufacturers' written instructions.
- D. Metal Protection: Where dissimilar metals contact each other or corrosive substrates, protect against galvanic action as recommended in writing by metal panel manufacturer.
- E. Standing-Seam Metal Roof Panel Installation: Fasten metal roof panels to supports with concealed clips at each standing-seam joint at location, spacing, and with fasteners recommended in writing by manufacturer.
 - 1. Install clips to supports with self-tapping fasteners.
 - 2. Install pressure plates at locations indicated in manufacturer's written installation instructions.

- 3. Snap Joint: Nest standing seams and fasten together by interlocking and completely engaging factory-applied sealant.
- F. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
 - 1. Install components required for a complete metal panel system including trim, copings, corners, seam covers, flashings, sealants, gaskets, fillers, closure strips, and similar items. Provide types indicated by metal roof panel manufacturers; or, if not indicated, types recommended by metal roof panel manufacturer.
- G. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently watertight and weather resistant.
 - 1. Install exposed flashing and trim that is without buckling and tool marks, and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet metal flashing and trim to fit substrates and achieve waterproof and weather-resistant performance.
 - 2. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim.
- H. Gutters: Join sections with riveted and soldered or lapped and sealed joints. Attach gutters to eave with gutter hangers spaced not more than 36 inches (914 mm) o.c. using manufacturer's standard fasteners. Provide end closures and seal watertight with sealant. Provide for thermal expansion.
- I. Downspouts: Join sections with telescoping joints. Provide fasteners designed to hold downspouts securely 1 inch (25 mm) away from walls; locate fasteners at top and bottom and at approximately 60 inches (1524 mm) o.c. in between.
 - 1. Provide elbows at base of downspouts to direct water away from building.
 - 2. Connect downspouts to underground drainage system indicated.
- J. Roof Curbs: Install flashing around bases where they meet metal roof panels.
- K. Pipe Flashing: Form flashing around pipe penetration and metal roof panels. Fasten and seal to metal roof panels as recommended by manufacturer.

3.5 ERECTION TOLERANCES

- A. Installation Tolerances: Shim and align metal panel units within installed tolerance of 1/4 inch in 20 feet (6 mm in 6 m) on slope and location lines as indicated and within 1/8-inch (3-mm) offset of adjoining faces and of alignment of matching profiles.

3.6 FIELD QUALITY CONTROL

- A. Manufacturer's Field Service: Engage a factory-authorized service representative to test and inspect metal roof panel installation, including accessories. Report results in writing.
- B. Remove and replace applications of metal roof panels where tests and inspections indicate that they do not comply with specified requirements.
- C. Additional tests and inspections, at Contractor's expense, are performed to determine compliance of replaced or additional work with specified requirements.
- D. Prepare test and inspection reports.

3.7 CLEANING AND PROTECTION

- A. Remove temporary protective coverings and strippable films, if any, as metal panels are installed, unless otherwise indicated in manufacturer's written installation instructions. On completion of metal panel installation, clean finished surfaces as recommended by metal panel manufacturer. Maintain in a clean condition during construction.
- B. Replace metal panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION

07 51 13 – BUILT-UP ASPHALT ROOFING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Built-up asphalt roofing.
2. Roof insulation.

B. Related Requirements:

1. Section 072100 "Thermal Insulation" for insulation beneath the roof deck.
2. Section 076200 "Sheet Metal Flashing and Trim" for metal roof flashings and counterflashings.
3. Section 079200 "Joint Sealants" for joint sealants, joint fillers, and joint preparation.

1.2 DEFINITIONS

- A. Roofing Terminology: Definitions in ASTM D 1079 and glossary of NRCA's "The NRCA Roofing and Waterproofing Manual" apply to Work of this Section.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Roofing Conference: Conduct conference at Project site.

1. If needed, insert list of conference participants not mentioned in Section 013100 "Project Management and Coordination."
2. Retain subparagraphs below if required. If retaining, revise to include Project-specific requirements. Insert additional requirements to suit Project.
3. Meet with Owner, Architect, Owner's insurer if applicable, testing and inspecting agency representative, roofing Installer, roofing manufacturer's representative, deck Installer, and installers whose work interfaces with or affects roofing, including installers of roof accessories and roof-mounted equipment.
4. Roofing manufacturer's representative shall inspect and accept the substrate prior to the application of any roofing materials.
5. Review methods and procedures related to roofing installation, including manufacturer's written instructions.

6. Review and finalize construction schedule, and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
7. Examine deck substrate conditions and finishes for compliance with requirements, including flatness and fastening.
8. Review structural loading limitations of roof deck during and after roofing.
9. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that affects roofing.
10. Review governing regulations and requirements for insurance and certificates if applicable.
11. Review temporary protection requirements for roofing during and after installation.
12. Review roof observation and repair procedures after roofing installation.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For built-up roofing. Include plans, elevations, sections, details, and attachments to other work, including:
 1. Base flashings and built-up terminations.
 2. Tapered insulation, including slopes.
 3. Crickets, saddles, and tapered edge strips, including slopes.
 4. Insulation fastening patterns for corner, perimeter, and field-of-roof locations.
- C. Samples for Verification: For the following products:
 1. Cap sheet, of color required.
 2. Flashing sheet, of color required.
 3. Aggregate surfacing material in gradation and color required.
 4. Walkway pads or rolls, of color required.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and manufacturer.

- B. Manufacturer Certificates: Signed by roofing manufacturer certifying that built-up roofing complies with requirements specified in "Performance Requirements" Article.
 - 1. Submit evidence of compliance with performance requirements.
- C. Product Test Reports: For components of built-up roofing, for tests performed by manufacturer and witnessed by a qualified testing agency.
- D. Research/Evaluation Reports: For components of built-up roofing, from ICC-ES.
- E. Field quality-control reports.
- F. Sample Warranties: For manufacturer's special warranties.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For built-up roofing to include in maintenance manuals.

1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that is FM Global approved for built-up roofing identical to that used for this Project.
- B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by built-up roofing manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing manufacturer. Protect stored liquid material from direct sunlight.
 - 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
- D. Handle and store roofing materials, and place equipment in a manner to avoid permanent deflection of deck.

1.9 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing to be installed according to manufacturer's written instructions and warranty requirements.

1.10 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of built-up roofing that fail in materials or workmanship within specified warranty period.
 - 1. Retain options in first subparagraph below based on those used on Project. Verify availability of manufacturer's total-system warranty and components included.
 - 2. Special warranty includes built-up roofing membrane, base flashings, roof insulation, fasteners, cover boards, substrate board, roofing accessories, and other components of built-up roofing.
 - 3. Verify available roofing warranties and warranty periods with manufacturers.
 - 4. Warranty Period: 20 years from date of Substantial Completion. No Dollar Limit.
- B. Special Project Warranty: Submit roofing Installer's warranty, on warranty form at end of this Section, signed by Installer, covering the Work of this Section, including all components of built-up roofing such as built-up roofing membrane, base flashing, roof insulation, fasteners, cover boards, substrate boards, vapor retarders, , and walkway products, for the following warranty period:
 - 1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - 1. Firestone Building Products
 - 2. GAF
 - 3. Johns Manville; a Berkshire Hathaway company
 - 4. Tamko Building Products
 - 5. Tremco
 - 6. Or equal

2.2 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed built-up roofing and base flashings shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Built-up roofing and base flashings shall remain watertight.
 - 1. Accelerated Weathering: Roofing system shall withstand 2000 hours of exposure when tested according to ASTM G 152, ASTM G 154, or ASTM G 155.
 - 2. Impact Resistance: Roofing system shall resist impact damage when tested according to ASTM D 3746 or ASTM D4272.
- B. Material Compatibility: Roofing materials shall be compatible with one another and adjacent materials under conditions of service and application required, as demonstrated by built-up roofing manufacturer based on testing and field experience.
- C. FM Global Listing: Built-up roofing, base flashings, and component materials shall comply with requirements in FM Global 4450 or FM Global 4470 as part of a built-up roofing system, and shall be listed in FM Global's "RoofNav" for Class 1 or noncombustible construction, as applicable. Identify materials with FM Global markings.
 - 1. Fire/Windstorm Classification: Class 1A-60.
 - 2. Hail-Resistance Rating: MH.
- D. Energy Performance: Roofing products shall be compliant with 2016 California Energy Code, Title 24, Part 6 and 2016 California Green Building Standards Code, Title 24, Part 8; "Cool Roof", tested and labeled by the Cool Roof Rating Council (CRRRC).
 - 1. Low-sloped roof Climate zone 1-16: Minimum 3-yr. aged Solar Reflectance: 0.63 Minimum Thermal Emittance: 0.75 or minimum SRI value of 75.
 - 2. Steep-sloped roof Climate zone 1-16: Minimum 3-yr. aged Solar Reflectance: 0.20 Minimum Thermal Emittance: 0.75 or minimum SRI value of 16.

2.3 ROOFING MEMBRANE SHEET MATERIALS

- A. Sheathing Paper: Red-rosin type, minimum 3 lb/100 sq. ft. (0.16 kg/sq. m).
- B. Base Sheet: ASTM D 4601, Type II, nonperforated, asphalt-impregnated and -coated, glass-fiber sheet, dusted with fine mineral surfacing on both sides.
- C. Base Sheet: ASTM D 4897/D 4897M, Type II, venting, nonperforated, heavyweight, asphalt-impregnated and -coated, glass-fiber base sheet with coarse granule surfacing or embossed venting channels on bottom surface.
- D. Ply Sheet: ASTM D 4601, Type II, Asphalt-coated, glass-fiber reinforced felt.

2.4 BASE FLASHING SHEET MATERIALS

- A. Backer Sheet: ASTM D 4601, Type II, asphalt-impregnated and -coated, glass-fiber sheet, dusted with fine mineral surfacing on both sides.
- B. Granule-Surfaced Flashing Sheet: ASTM D 6163, Grade G, Type I or II, glass-fiber-reinforced, SBS-modified asphalt sheet; granule-surfaced base flashing; suitable for application method specified, and as follows:
 - 1. Granule Color: White or Gray.

2.5 ASPHALT MATERIALS

- A. Asphalt Primer: ASTM D 41/D 41M.
- B. Roofing Asphalt: ASTM D 312, Type IV.

2.6 AUXILIARY BUILT-UP ROOFING MATERIALS

- A. General: Auxiliary materials recommended by roofing manufacturer for intended use and compatible with built-up roofing.
 - 1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.
- B. Cold-Applied Adhesive: Roofing manufacturer's standard asphalt-based, one- or two-part, asbestos-free, cold-applied adhesive specially formulated for compatibility and use with built-up base flashings. Each container labeled with UL and FM logos indicating material was manufactured under the specified UL and FM quality assurance programs.
- C. Asphalt Roofing Cement: ASTM D 4586, asbestos free, of consistency required by roofing manufacturer for application.
- D. Mastic Sealant: Polyisobutylene, plain or modified bitumen; nonhardening, nonmigrating, nonskinning, and nondrying.
- E. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Global 4470, designed for fastening built-up roofing components to substrate; tested by manufacturer for required pullout strength, and acceptable to roofing manufacturer.
- F. Aggregate Surfacing: White aggregate coated with reflective ceramic-mineral surface.
 - 1. Glacier White (3/8 inch) by A-1 Grit. Tel: (800) 266-GRIT.
- G. Miscellaneous Accessories: Provide those recommended by roofing system manufacturer.

2.7 SUBSTRATE BOARDS

- A. Substrate Board: ASTM C 1396/C 1396M, Type X gypsum board, 5/8 inch (16 mm) thick.
- B. Substrate Board: ASTM C 1177/C 1177M, glass-mat, water-resistant gypsum substrate, 1/2 inch (13 mm) thick, factory primed.
- C. Substrate Board: ASTM C 728, perlite board, 3/4 inch (19 mm) thick, seal coated.
- D. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Global 4470, designed for fastening substrate board to roof deck.

2.8 ROOF INSULATION

- A. General: Preformed roof insulation boards manufactured or approved by roofing manufacturer, selected from manufacturer's standard sizes suitable for application, of thicknesses indicated and that produce FM Global-approved roof insulation.
- B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 3, felt or glass-fiber mat facer on both major surfaces.
- C. Tapered Insulation: Provide factory-tapered insulation boards fabricated to slope of 1/4 inch per 12 inches (1:48) unless otherwise indicated.
- D. Provide preformed saddles, crickets, tapered edge strips, and other insulation shapes where indicated for sloping to drain. Fabricate to slopes indicated.

2.9 INSULATION ACCESSORIES

- A. General: Roof insulation accessories recommended by insulation manufacturer for intended use and compatible with built-up roofing.
- B. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Global 4470, designed for fastening roof insulation to substrate and acceptable to roofing manufacturer.
- C. Insulation Adhesive: Insulation manufacturer's recommended adhesive formulated to attach roof insulation to substrate or to another insulation layer as follows:
 - 1. Modified asphaltic, asbestos-free, cold-applied adhesive.
- D. Wood Nailer Strips: Comply with requirements in Section 061053 "Miscellaneous Rough Carpentry."
- E. Tapered Edge Strips: ASTM C 728, perlite insulation board.
- F. Tapered Edge Strips: ASTM C 208, Type II, Grade 1, cellulosic-fiber insulation board.

- G. Cover Board: ASTM C 1177/C 1177M, glass-mat, water-resistant gypsum substrate, 1/4 inch (6 mm) thick, factory primed.
 - 1. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - a. Certainteed; GlasRoc.
 - b. Georgia-Pacific Building Products; DensDeck.
 - c. National Gypsum Company; DEXcell FA.
 - d. USG Corporation; Securock Glass Mat Roof Board.
 - e. Or equal.
- H. Cover Board: ASTM C 1278/C 1278M, cellulosic-fiber-reinforced, water-resistant gypsum substrate, 1/4 inch (6 mm) thick.
 - 1. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - a. JM; Invinsa Roof Board.
 - b. USG Corporation; Securock Gypsum-Fiber Roof Board.
 - c. Or equal.
- I. Substrate Joint Tape: 6- or 8-inch- (150- or 200-mm-) wide, coated, glass fiber.

2.10 WALKWAYS

- A. Walkway Pads: Mineral-granule-surfaced, reinforced asphaltic composition, slip-resisting pads, manufactured as a traffic pad for foot traffic and acceptable to roofing manufacturer, 1/2 inch (13 mm) thick, minimum.
 - 1. Pad Size: 36 inch by 60 inch.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work:
 - 1. Verify that roof openings and penetrations are in place, curbs are set and braced, and roof-drain bodies are securely clamped in place.

2. Verify that wood cants, blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
 3. Verify that surface plane flatness and fastening of steel roof deck complies with requirements in Section 053100 "Steel Decking."
 4. Verify that deck is securely fastened with no projecting fasteners and with no adjacent units in excess of 1/16 inch (1.6 mm) out of plane relative to adjoining deck.
 5. Verify that minimum concrete drying period recommended by roofing manufacturer has passed.
 6. Verify that concrete substrate is visibly dry and free of moisture. Test for capillary moisture by plastic sheet method according to ASTM D 4263.
 - a. Test for moisture by pouring 1 pint (0.5 L) of hot roofing asphalt on deck at start of each day's work and at start of each roof area or plane. Do not proceed with Work of this Section if test sample foams or can be easily and cleanly stripped after cooling.
 7. Verify that concrete curing compounds that impair adhesion of roofing components to roof deck have been removed.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Remove existing built-up roof system, insulation and flashings down to substrate.
- B. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according to roofing manufacturer's written instructions. Remove sharp projections.
- C. Notify Owner 48 hours in advance for an inspection prior to start of roofing installation.
- D. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.
- E. Prime surface of concrete deck with asphalt primer at a rate of 3/4 gal./100 sq. ft. (0.3 L/sq. m), and allow primer to dry.

3.3 INSTALLATION, GENERAL

- A. Comply with built-up roofing manufacturer's written instructions.

- B. Provide temporary roofing membrane and tie-ins at end of each work shift to maintain a watertight roof at all times.
- C. Asphalt Heating: Heat asphalt to its equiviscous temperature, measured at the mop cart or mechanical spreader immediately before application. Circulate asphalt during heating. Do not raise asphalt temperature above equiviscous temperature range more than one hour before time of application. Do not exceed asphalt manufacturer's recommended temperature limits during asphalt heating. Do not heat asphalt within 25 deg F (14 deg C) of flash point. Discard asphalt maintained at a temperature exceeding finished blowing temperature for more than 4 hours.
 - 1. Apply hot roofing asphalt within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
- D. Asphalt Heating: Heat and apply SEBS-modified roofing asphalt according to roofing manufacturer's written instructions.
- E. Substrate-Joint Penetrations: Prevent roofing asphalt and adhesives from penetrating substrate joints, entering building, or damaging built-up roofing components or adjacent building construction.

3.4 SUBSTRATE BOARD INSTALLATION

- A. Install substrate board with long joints in continuous straight lines, perpendicular to roof slopes with end joints staggered between rows. Tightly butt substrate boards together.
 - 1. Fasten substrate board to top flanges of steel deck according to recommendations in FM Global's "RoofNav" and FM Global Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification.
 - 2. Fasten substrate board to top flanges of steel deck to resist uplift pressure at corners, perimeter, and field of roof according to built-up roofing manufacturer's written instructions.

3.5 INSULATION INSTALLATION

- A. Install one lapped base-sheet course and mechanically fasten to substrate according to built-up roofing manufacturer's written instructions.
- B. Insulation Cant Strips: Install and secure preformed 45-degree insulation cant strips at junctures of built-up roofing with vertical surfaces or angle changes greater than 45 degrees.
- C. Install tapered insulation under area of roofing to conform to slopes indicated.
- D. Install insulation with long joints of insulation in a continuous straight line, with end joints staggered between rows, abutting edges and ends between boards. Fill gaps exceeding 1/4 inch (6 mm) with insulation.

1. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
- E. Install insulation under area of roofing to achieve required thickness. Where overall insulation thickness is 2.7 inches (68 mm) or greater, install two or more layers with joints of each succeeding layer staggered from joints of previous layer a minimum of 6 inches (150 mm) in each direction.
- F. Trim surface of insulation where necessary at roof drains so completed surface is flush and does not restrict flow of water.
- G. Install tapered edge strips at perimeter edges of roof that do not terminate at vertical surfaces.
- H. Adhered Insulation: Install each layer of insulation and adhere to substrate as follows:
 1. Prime surface of concrete deck with asphalt primer at rate of 3/4 gal./100 sq. ft. (0.3 L/sq. m), and allow primer to dry.
 2. Set each layer of insulation in a solid mopping of hot roofing asphalt.
 3. Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
- I. Mechanically Fastened Insulation: Install each layer of insulation and secure to deck using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to deck type.
 1. Fasten insulation according to requirements in FM Global's "RoofNav" for specified Windstorm Resistance Classification.
 2. Fasten insulation to resist uplift pressure at corners, perimeter, and field of roof.
- J. Mechanically Fastened and Adhered Insulation: Install first layer of insulation to deck using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to deck type.
 1. Fasten first layer of insulation according to requirements in FM Global's "RoofNav" for specified Windstorm Resistance Classification.
 2. Fasten first layer of insulation to resist uplift pressure at corners, perimeter, and field of roof.
 3. Set each subsequent layer of insulation in a solid mopping of hot roofing asphalt.
 4. Set each subsequent layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 5. Set each subsequent layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

- K. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered between rows. Offset joints of insulation below a minimum of 6 inches (150 mm) in each direction. Loosely butt cover boards together and fasten to roof deck. Tape joints if required by roofing manufacturer.
 - 1. Fasten cover boards according to requirements in FM Global's "RoofNav" for specified Windstorm Resistance Classification.
 - 2. Fasten cover boards to resist uplift pressure at corners, perimeter, and field of roof.
 - 3. Apply hot roofing asphalt or insulation adhesive to underside and immediately bond cover board to substrate.

3.6 BUILT-UP ROOFING INSTALLATION, GENERAL

- A. Install roofing according to roofing manufacturer's written instructions and applicable recommendations of ARMA/NRCA's "Quality Control Guidelines for the Application of Built-up Roofing."
 - 1. Install roofing system BU- 4- [I] [C]-A-[A], according to roof assembly identification matrix and roof assembly layout illustrations in NRCA's "The NRCA Roofing and Waterproofing Manual" as well as Section requirements.
- B. Install roofing according to roofing manufacturer's written instructions and applicable recommendations of ARMA/NRCA's "Quality Control Guidelines for the Application of Built-up Roofing" and as follows:
 - 1. Deck Type: [N (nailable)] [I (insulated)] [C (concrete or nonnailable)].
 - 2. Base Sheet: One.
 - 3. Number of Ply Sheets: Three.
 - 4. Surfacing Type: A (aggregate).
 - 5. Mineral-granule-surfaced cap sheet is in addition to number of ply sheets specified.
- C. Start installation of built-up roofing in presence of manufacturer's technical personnel.
- D. Where roof slope exceeds 1/2 inch per 12 inches (1:24), install built-up roofing sheets parallel with slope.
 - 1. Backnail built-up roofing sheets to [nailer strips] [substrate] according to roofing manufacturer's written instructions.
- E. Coordinate installation of roofing so insulation and other components of built-up roofing not permanently exposed are not subjected to precipitation or left uncovered at the end of the workday or when rain is forecast.

1. Provide tie-offs at end of each day's work to cover exposed built-up roofing sheets and insulation with a course of coated felt set in roofing cement or hot roofing asphalt with joints and edges sealed.
2. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing.
3. Remove and discard temporary seals before beginning work on adjoining roofing.

3.7 ROOFING MEMBRANE INSTALLATION

- A. Loosely lay one course of sheathing paper, lapping edges and ends a minimum of 2 inches (50 mm) and 6 inches (150 mm), respectively.
- B. Install lapped base-sheet course, extending sheet over and terminating beyond cants. Attach base sheet as follows:
 1. Mechanically fasten to nailable substrate.
 2. Spot or strip mop vented base sheet to substrate with hot roofing asphalt.
 3. Adhere to non-nailable or insulated substrate in a solid mopping of hot roofing asphalt.
- C. Install three ply sheets starting at low point of roofing. Align ply sheets without stretching. Shingle side laps of ply sheets uniformly to achieve required number of plies throughout thickness of roofing membrane. Shingle in direction to shed water. Extend ply sheets over and terminate beyond cants.
 1. Embed each ply sheet in a solid mopping of hot roofing asphalt applied at rate required by roofing manufacturer, to form a uniform membrane without ply sheets touching.
- D. Cap Sheet: Install lapped granulated cap sheet starting at low point of roofing. Offset laps from laps of preceding ply sheets, and align cap sheet without stretching. Lap in direction to shed water. Extend cap sheet over and terminate beyond cants.
 1. Embed cap sheet in a solid mopping of hot roofing asphalt applied at rate required by built-up roofing manufacturer.
- E. Aggregate Surfacing: After installing and testing roofing, base flashing, and stripping, promptly apply flood coat to roof surface with 60 lb/100 sq. ft. (3.0 kg/sq. m) of hot roofing asphalt. While flood coat is hot and fluid, cast the following average weight of aggregate in a uniform course:
 1. Aggregate Weight: 400 lb/100 sq. ft. (20 kg/sq. m).
 2. If aggregate surfacing is delayed, promptly apply glaze coat of hot roofing asphalt at a rate of 10 lb/100 sq. ft. (0.5 kg/sq. m).

- F. Glaze coat roofing surface with hot roofing asphalt applied at a rate of 10 to 15 lb/100 sq. ft. (0.5 to 0.75 kg/sq. m).

3.8 FLASHING AND STRIPPING INSTALLATION

- A. Install base flashing over cant strips and other sloping and vertical surfaces, at roof edges, and at penetrations through roof; secure to substrates according to built-up roofing manufacturer's written instructions and as follows:
 - 1. Prime substrates with asphalt primer if required by built-up roofing manufacturer.
 - 2. Backer-Sheet Application: Mechanically fasten backer sheet to walls or parapets. Adhere backer sheet over built-up roofing at cants in [a solid mopping of hot roofing asphalt] [cold-applied adhesive].
 - 3. Backer-Sheet Application: Adhere backer sheet to substrate in [a solid mopping of hot roofing asphalt] [cold-applied adhesive].
 - 4. Flashing-Sheet Application: Adhere flashing sheet to substrate in a solid mopping of hot roofing asphalt applied at not less than 425 deg F (218 deg C). Apply hot roofing asphalt to back of flashing sheet if recommended by roofing manufacturer.
 - 5. Flashing-Sheet Application: Adhere flashing sheet to substrate in cold-applied adhesive at rate required by roofing manufacturer.
 - 6. Flashing-Sheet Application: Adhere flashing sheet to substrate in asphalt roofing cement at rate required by roofing manufacturer.
 - 7. Flashing-Sheet Application: Torch apply flashing sheet to substrate.
- B. Extend base flashing up walls or parapets a minimum of 8 inches (200 mm) above built-up roofing and 4 inches (100 mm) onto field of built-up roofing.
- C. Mechanically fasten top of base flashing securely at terminations and perimeter of roofing.
 - 1. Seal top termination of base flashing with a strip of glass-fiber fabric set in asphalt roofing cement.
- D. Install stripping according to roofing manufacturer's written instructions, where metal flanges and edgings are set on built-up roofing.
 - 1. Flashing-Sheet Stripping: Install flashing-sheet stripping in a continuous coating of asphalt roofing cement or in a solid mopping of hot roofing asphalt applied at not less than 425 deg F (218 deg C), and extend onto roofing membrane.
 - 2. Flashing-Sheet Stripping: Install flashing-sheet stripping by heat welding and extend onto roofing membrane.
 - 3. Built-up Stripping: Install stripping of not fewer than two roofing ply sheets, setting each ply in a continuous coating of asphalt roofing cement or in a solid mopping of

hot roofing asphalt, and extend onto roofing membrane 4 inches (100 mm) and 6 inches (150 mm), respectively.

- E. Roof Drains: Set 30-by-30-inch (760-by-760-mm) metal flashing in bed of asphalt roofing cement on completed built-up roofing. Cover metal flashing with built-up roofing cap-sheet stripping, and extend a minimum of 6 inches (150 mm) beyond edge of metal flashing onto field of built-up roofing. Clamp built-up roofing, metal flashing, and stripping into roof-drain clamping ring.
 - 1. Install stripping according to roofing manufacturer's written instructions.

3.9 WALKWAY INSTALLATION

- A. Walkway Pads: Install walkway pads, using units of size indicated or, if not indicated, of manufacturer's standard size, according to walkway pad manufacturer's written instructions.
 - 1. Set walkway pads in additional pour coat of hot roofing asphalt after sweeping away loose aggregate surfacing.

3.10 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to inspect substrate conditions, surface preparation, membrane application, flashings, protection, and drainage components, and to furnish reports to Architect.
 - 1. Flood Testing: Flood test each roofing area for leaks, according to recommendations in ASTM D 5957, after completing roofing and flashing. Install temporary containment assemblies, plug or dam drains, and flood with potable water.
 - a. Perform tests before overlying construction is placed.
 - b. Flood to an average depth of 2-1/2 inches (65 mm) with a minimum depth of 1 inch (25 mm) and not exceeding a depth of 4 inches (100 mm). Maintain 2 inches (50 mm) of clearance from top of base flashing.
 - c. Flood each area for 24 hours.
 - d. After flood testing, repair leaks, repeat flood tests, and make further repairs until roofing and flashing installations are watertight.
 - 1) Cost of retesting is Contractor's responsibility.
 - e. Testing agency shall prepare survey report indicating locations initial leaks, if any, and final survey report.
 - 2. Electric Field Vector Mapping (EFVM): Testing agency shall survey entire roof area for potential leaks using electric field vector mapping (EFVM).

- B. Test Cuts: Remove test specimens to evaluate problems observed during quality-assurance inspections of built-up roofing as follows:
 - 1. Determine approximate quantities of components within built-up roofing according to ASTM D 3617.
 - 2. Examine test specimens for interply voids according to ASTM D 3617 and to comply with criteria established in Appendix 3 of ARMA/NRCA's "Quality Control Guidelines for the Application of Built-up Roofing."
 - 3. Repair areas where test cuts were made according to roofing manufacturer's written instructions.
- C. Repair or remove and replace components of built-up roofing where test results or inspections indicate that they do not comply with specified requirements.
 - 1. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

3.11 PROTECTING AND CLEANING

- A. Protect built-up roofing from damage and wear during remainder of construction period. When remaining construction does not affect or endanger roofing, inspect roofing for deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.
- B. Correct deficiencies in or remove built-up roofing that does not comply with requirements, repair substrates, and repair or reinstall roofing to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

3.12 ROOFING INSTALLER'S WARRANTY

- A. WHEREAS _____ of _____, herein called the "Roofing Installer," has performed roofing and associated work ("work") on the following project:
 - 1. Owner: <Insert name of Owner>.
 - 2. Address: <Insert address>.
 - 3. Building Name/Type: <Insert information>.
 - 4. Address: <Insert address>.
 - 5. Area of Work: <Insert information>.

6. Acceptance Date: _____.
 7. Warranty Period: <Insert time>.
 8. Expiration Date: _____.
- B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant said work against leaks and faulty or defective materials and workmanship for designated Warranty Period,
- C. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period he will, at his own cost and expense, make or cause to be made such repairs to or replacements of said work as are necessary to correct faulty and defective work and as are necessary to maintain said work in a watertight condition.
- D. This Warranty is made subject to the following terms and conditions:
1. Specifically excluded from this Warranty are damages to work and other parts of the building, and to building contents, caused by:
 - a. lightning;
 - b. peak gust wind speed exceeding <Insert mph (m/s)>;
 - c. fire;
 - d. failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
 - e. faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
 - f. vapor condensation on bottom of roofing; and
 - g. activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.
 2. When work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.
 3. Roofing Installer is responsible for damage to work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of work.
 4. During Warranty Period, if Owner allows alteration of work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this

Warranty shall become null and void on date of said alterations, but only to the extent said alterations affect work covered by this Warranty. If Owner engages Roofing Installer to perform said alterations, Warranty shall not become null and void unless Roofing Installer, before starting said work, shall have notified Owner in writing, showing reasonable cause for claim, that said alterations would likely damage or deteriorate work, thereby reasonably justifying a limitation or termination of this Warranty.

5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a promenade, work deck, spray-cooled surface, flooded basin, or other use or service more severe than originally specified, this Warranty shall become null and void on date of said change, but only to the extent said change affects work covered by this Warranty.
6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect work and to examine evidence of such leaks, defects, or deterioration.
7. This Warranty is recognized to be the only warranty of Roofing Installer on said work and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of original work according to requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.

E. IN WITNESS THEREOF, this instrument has been duly executed this _____ day of _____, _____.

1. Authorized Signature: _____.
2. Name: _____.
3. Title: _____.

END OF SECTION

07 52 16 – STYRENE-BUTADIENE-STYRENE (SBS) MODIFIED BITUMINOUS MEMBRANE ROOFING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Hybrid roofing system that combines built-up ply sheets with styrene-butadiene-styrene (SBS)-modified bituminous membrane roofing.
2. Roof insulation.

B. Related Requirements:

1. Section 076200 "Sheet Metal Flashing and Trim" for metal roof flashings and counterflashings.
2. Section 079200 "Joint Sealants" for joint sealants, joint fillers, and joint preparation.

1.2 DEFINITIONS

- A. Roofing Terminology: Definitions in ASTM D 1079 and glossary of NRCA's "The NRCA Roofing and Waterproofing Manual" apply to work of this Section.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Roofing Conference: Conduct conference at Project site.

1. Meet with Owner, Architect, Owner's insurer if applicable, testing and inspecting agency representative, roofing Installer, roofing system manufacturer's representative, deck Installer, and installers whose work interfaces with or affects roofing, including installers of roof accessories and roof-mounted equipment.
2. Roofing manufacturer's representative shall inspect and accept the substrate prior to the application of any roofing materials.
3. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
4. Review and finalize construction schedule, and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.

5. Examine deck substrate conditions and finishes for compliance with requirements, including flatness and fastening.
6. Review structural loading limitations of roof deck during and after roofing.
7. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that affects roofing system.
8. Review governing regulations and requirements for insurance and certificates if applicable.
9. Review temporary protection requirements for roofing system during and after installation.
10. Review roof observation and repair procedures after roofing installation.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Sustainable Design Submittals:
 1. Product Test Reports: For roof materials, documentation indicating that roof materials comply with Solar Reflectance Index requirements.
 2. Product Data: For adhesives and sealants, indicating VOC content.
 3. Laboratory Test Reports: For adhesives and sealants, indicating compliance with requirements for low-emitting materials.
- C. Shop Drawings: For roofing system. Include plans, elevations, sections, details, and attachments to other work, including:
 1. Base flashings and membrane terminations.
 2. Tapered insulation, including slopes.
 3. Crickets, saddles, and tapered edge strips, including slopes.
 4. Insulation fastening patterns for corner, perimeter, and field-of-roof locations.
- D. Samples for Verification: For the following products:
 1. Cap sheet, of color required.
 2. Flashing sheet, of color required.
 3. Aggregate surfacing material in gradation and color required.
 4. Walkway pads or rolls, of color required.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer manufacturer and testing agency.
- B. Manufacturer Certificates: Signed by roofing manufacturer certifying that roofing system complies with requirements specified in "Performance Requirements" Article.
 - 1. Submit evidence of complying with performance requirements.
- C. Product Test Reports: For components of membrane roofing system, for tests performed by manufacturer and witnessed by a qualified testing agency.
- D. Research/Evaluation Reports: For components of membrane roofing system, from ICC-ES.
- E. Field quality-control reports.
- F. Sample Warranties: For manufacturer's special warranties.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For roofing system to include in maintenance manuals.

1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that is FM Global approved for membrane roofing system identical to that used for this Project.
- B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
 - 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.

- D. Handle and store roofing materials, and place equipment in a manner to avoid permanent deflection of deck.

1.9 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.

1.10 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period.
 - 1. Special warranty includes membrane roofing, base flashings, roof insulation, fasteners, cover boards, substrate board, roofing accessories, and other components of roofing system.
 - 2. Warranty Period: 20 years from date of Substantial Completion. No Dollar Limit.
- B. Special Project Warranty: Submit roofing Installer's warranty, on warranty form at end of this Section, signed by Installer, covering the Work of this Section, including all components of roofing system such as membrane roofing, base flashing, roof insulation, fasteners, cover boards, substrate boards, vapor retarders, and walkway products, for the following warranty period:
 - 1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - 1. Carlisle SynTec Incorporated.
 - 2. Johns Manville; a Berkshire Hathaway Company.
 - 3. Sika Sarnafil.
 - 4. Soprema
 - 5. Or equal.

2.2 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed roofing and base flashings shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Roofing and base flashings shall remain watertight.
 - 1. Accelerated Weathering: Roofing system shall withstand 2000 hours of exposure when tested according to ASTM G 152, ASTM G 154, or ASTM G 155.
- B. Material Compatibility: Roofing materials shall be compatible with one another and adjacent materials under conditions of service and application required, as demonstrated by roofing manufacturer based on testing and field experience.
- C. FM Global Listing: Roofing, base flashings, and component materials shall comply with requirements in FM Global 4450 or FM Global 4470 as part of a roofing system, and shall be listed in FM Global's "RoofNav" for Class 1 or noncombustible construction, as applicable. Identify materials with FM Global markings.
 - 1. Fire/Windstorm Classification: Class 1A-60.
 - 2. Hail-Resistance Rating: MH.
- D. Energy Performance: Roofing products shall be compliant with 2016 California Energy Code, Title 24, Part 6 and 2016 California Green Building Standards Code, Title 24, Part 8; "Cool Roof", tested and labeled by the Cool Roof Rating Council (CRRRC).
 - 1. Low-sloped roof Climate zone 1-16: Minimum 3-yr. aged Solar Reflectance: 0.63 Minimum Thermal Emittance: 0.75 or minimum SRI value of 75.
 - 2. Steep-sloped roof Climate zone 1-16: Minimum 3-yr. aged Solar Reflectance: 0.20 Minimum Thermal Emittance: 0.75 or minimum SRI value of 16.

2.3 ROOFING SHEET MATERIALS

- A. Sheathing Paper: Red-rosin type, minimum 3 lb/100 sq. ft. (0.16 kg/sq. m).
- B. Base Sheet: ASTM D 4601, Type II, SBS-modified asphalt-impregnated and -coated sheet, with glass-fiber-reinforcing mat, dusted with fine mineral surfacing on both sides.
 - 1. Weight: 50 lb/100 sq. ft. (2.4 kg/sq. m) , minimum.
- C. Glass-Fiber Base-Ply Sheet: ASTM D 2178, [**Type IV**] [**Type VI**], asphalt-impregnated, glass-fiber felt.
- D. SBS-Modified Ply Sheet: ASTM D 4601, Type II, SBS-modified asphalt-impregnated and -coated sheet, with glass-fiber-reinforcing mat, dusted with fine mineral surfacing on both sides.

- E. Roofing Membrane Sheet: ASTM D 6163, Grade S, Type I or II, SBS-modified asphalt sheet (reinforced with glass fibers); smooth surfaced; suitable for application method specified.
- F. Granule-Surfaced Roofing Cap Sheet: ASTM D 6163, Grade G, Type I or II, SBS-modified asphalt sheet (reinforced with glass fibers); granule surfaced; suitable for application method specified, and as follows:
 - 1. Granule Color: White.

2.4 BASE FLASHING SHEET MATERIALS

- A. Backer Sheet: ASTM D 4601, Type II, asphalt-impregnated and -coated, glass-fiber sheet, dusted with fine mineral surfacing on both sides.
- B. Granule-Surfaced Flashing Sheet: ASTM D 6163, Grade G, Type I or II, SBS-modified asphalt sheet (reinforced with glass fibers); granule surfaced; suitable for application method specified, and as follows:
 - 1. Granule Color: White.
- C. Glass-Fiber Fabric: Woven glass-fiber cloth, treated with asphalt, complying with ASTM D 1668, Type I.

2.5 AUXILIARY ROOFING MATERIALS

- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with roofing.
 - 1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.
- B. Asphalt Primer: ASTM D 41/D 41M.
- C. Roofing Asphalt: ASTM D 312, Type IV.
- D. Cold-Applied Adhesive: Roofing system manufacturer's standard asphalt-based, one- or two-part, asbestos-free, cold-applied adhesive specially formulated for compatibility and use with roofing membrane and base flashings.
- E. Asphalt Roofing Cement: ASTM D 4586, asbestos free, of consistency required by roofing system manufacturer for application.
- F. Mastic Sealant: Polyisobutylene, plain or modified bitumen; nonhardening, nonmigrating, nonskinning, and nondrying.
- G. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Global 4470, designed for fastening roofing

components to substrate; tested by manufacturer for required pullout strength, and acceptable to roofing system manufacturer.

- H. Roofing Granules: Ceramic-coated roofing granules, No. 11 screen size with 100 percent passing No. 8 (2.36-mm) sieve and 98 percent of mass retained on No. 40 (0.425-mm) sieve, color to match roofing.
- I. Miscellaneous Accessories: Provide those recommended by roofing system manufacturer.

2.6 SUBSTRATE BOARDS

- A. Substrate Board: ASTM C 1177/C 1177M, glass-mat, water-resistant gypsum substrate, 1/2 inch (13 mm) thick, factory primed.
- B. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Global 4470, designed for fastening substrate board to roof deck.
- C. Glass-Fiber Felt: ASTM D 2178, Type IV, asphalt impregnated.

2.7 ROOF INSULATION

- A. General: Preformed roof insulation boards manufactured or approved by roofing manufacturer, selected from manufacturer's standard sizes suitable for application, of thicknesses indicated and that produce FM Global-approved roof insulation.
- B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 3, felt or glass-fiber mat facer on both major surfaces.
- C. Perlite Board Insulation: ASTM C 728, rigid, mineral-aggregate thermal insulation board composed of expanded perlite, cellulosic fibers, binders, and waterproofing agents with top surface seal coated.
- D. Tapered Insulation: Provide factory-tapered insulation boards fabricated to slope of 1/4 inch per 12 inches (1:48) unless otherwise indicated.
- E. Provide preformed saddles, crickets, tapered edge strips, and other insulation shapes where indicated for sloping to drain. Fabricate to slopes indicated.

2.8 INSULATION ACCESSORIES

- A. General: Roof insulation accessories recommended by insulation manufacturer for intended use and compatibility with roofing.
- B. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Global 4470, designed for fastening roof insulation to substrate, and acceptable to roofing system manufacturer.

- C. Insulation Adhesive: Insulation manufacturer's recommended adhesive formulated to attach roof insulation to substrate or to another insulation layer as follows:
 - 1. Modified asphaltic, asbestos-free, cold-applied adhesive.
 - 2. Bead-applied, low-rise, one-component or multicomponent urethane adhesive.
 - 3. Full-spread spray-applied, low-rise, two-component urethane adhesive.
- D. Insulation Cant Strips: ASTM C 728, perlite insulation board.
- E. Insulation Cant Strips: ASTM C 208, Type II, Grade 1, cellulosic-fiber insulation board.
- F. Wood Nailer Strips: Comply with requirements in [Section 061000 "Rough Carpentry."] [Section 061053 "Miscellaneous Rough Carpentry."]
- G. Tapered Edge Strips: ASTM C 728, perlite insulation board.
- H. Tapered Edge Strips: ASTM C 208, Type II, Grade 1, cellulosic-fiber insulation board.
- I. Cover Board: ASTM C 208, Type II, Grade 2, cellulosic-fiber insulation board, 1/2 inch (13 mm) thick.
- J. Cover Board: DOC PS 2, Exposure 1, oriented strand board, 7/16 inch (11 mm) thick.
- K. Cover Board: ASTM C 1177/C 1177M, glass-mat, water-resistant gypsum substrate, 1/4 inch (6 mm) thick, factory primed.
 - 1. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - a. Certainteed; GlasRoc.
 - b. Georgia-Pacific Building Products; DensDeck.
 - c. National Gypsum Company; DEXcell FA.
 - d. USG Corporation; Securock Glass Mat Roof Board.
 - e. Or equal.
- L. Cover Board: ASTM C 1278/C 1278M, cellulosic-fiber-reinforced, water-resistant gypsum substrate, 1/4 inch (6 mm) thick.
 - 1. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - a. JM; Invinsa Roof Board.
 - b. USG Corporation; Securock Gypsum-Fiber Roof Board.

c. Or equal.

M. Substrate Joint Tape: 6- or 8-inch- (150- or 200-mm-) wide, coated, glass fiber.

2.9 WALKWAYS

A. Walkway Pads: Reinforced asphaltic composition pads with slip-resisting mineral-granule surface, manufactured as a traffic pad for foot traffic and acceptable to roofing system manufacturer, 1/2 inch (13 mm) thick, minimum.

1. Pad Size: 36 inches by 60 inches.

2. Granule color: White.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work:

1. Verify that roof openings and penetrations are in place, curbs are set and braced, and roof-drain bodies are securely clamped in place.
2. Verify that wood cants, blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
3. Verify that surface plane flatness and fastening of steel roof deck complies with requirements in Section 053100 "Steel Decking."
4. Verify that deck is securely fastened with no projecting fasteners and with no adjacent units in excess of 1/16 inch (1.6 mm) out of plane relative to adjoining deck.
5. Verify that minimum concrete drying period recommended by roofing system manufacturer has passed.
6. Verify that concrete substrate is visibly dry and free of moisture. Test for capillary moisture by plastic sheet method according to ASTM D 4263.
 - a. Test for moisture by pouring 1 pint (0.5 L) of hot roofing asphalt on deck at start of each day's work and at start of each roof area or plane. Do not proceed with Work of this Section if test sample foams or can be easily and cleanly stripped after cooling.
7. Verify that concrete-curing compounds that impair adhesion of roofing components to roof deck have been removed.

- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.
- C. Prime surface of concrete deck with asphalt primer at a rate of 3/4 gal./100 sq. ft. (0.3 L/sq. m), and allow primer to dry.
- D. Install insulation strips in ribs of acoustical roof decks according to acoustical roof deck manufacturer's written instructions.

3.3 INSTALLATION, GENERAL

- A. Comply with roofing system manufacturer's written instructions.
- B. Asphalt Heating: Heat asphalt to its equiviscous temperature, measured at the mop cart or mechanical spreader immediately before application. Circulate asphalt during heating. Do not raise asphalt temperature above equiviscous temperature range more than one hour before time of application. Do not exceed asphalt manufacturer's recommended temperature limits during asphalt heating. Do not heat asphalt within 25 deg F (14 deg C) of flash point. Discard asphalt maintained at a temperature exceeding finished blowing temperature for more than four hours.
 - 1. Apply hot roofing asphalt within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
- C. Asphalt Heating: Heat and apply SEBS-modified roofing asphalt according to roofing system manufacturer's written instructions.
- D. Substrate-Joint Penetrations: Prevent roofing asphalt and adhesives from penetrating substrate joints, entering building, or damaging roofing system components or adjacent building construction.

3.4 SUBSTRATE BOARD INSTALLATION

- A. Install substrate board with long joints in continuous straight lines, perpendicular to roof slopes with end joints staggered between rows. Tightly butt substrate boards together.
 - 1. Fasten substrate board to top flanges of steel deck according to recommendations in FM Global's "RoofNav" and FM Global Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification.

2. Fasten substrate board to top flanges of steel deck to resist uplift pressure at corners, perimeter, and field of roof according to roofing system manufacturers' written instructions.

3.5 INSULATION INSTALLATION

- A. Install one lapped base-sheet course and mechanically fasten to substrate according to roofing system manufacturer's written instructions.
- B. Insulation Cant Strips: Install and secure preformed 45-degree insulation cant strips at junctures of roofing system with vertical surfaces or angle changes greater than 45 degrees.
- C. Install tapered insulation under area of roofing to conform to slopes indicated.
- D. Install insulation with long joints of insulation in a continuous straight line, with end joints staggered between rows, abutting edges and ends between boards. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 1. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
- E. Install insulation under area of roofing to achieve required thickness. Where overall insulation thickness is 2.7 inches (68 mm) or greater, install two or more layers with joints of each succeeding layer staggered from joints of previous layer a minimum of 6 inches (150 mm) in each direction.
- F. Trim surface of insulation where necessary at roof drains so completed surface is flush and does not restrict flow of water.
- G. Install tapered edge strips at perimeter edges of roof that do not terminate at vertical surfaces.
- H. Adhered Insulation: Install each layer of insulation and adhere to substrate as follows:
 1. Prime surface of concrete deck with asphalt primer at rate of 3/4 gal./100 sq. ft. (0.3 L/sq. m), and allow primer to dry.
 2. Set each layer of insulation in a solid mopping of hot roofing asphalt.
 3. Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 4. Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
- I. Mechanically Fastened Insulation: Install each layer of insulation and secure to deck using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to deck type.

1. Fasten insulation according to requirements in FM Global's "RoofNav" for specified Windstorm Resistance Classification.
 2. Fasten insulation to resist uplift pressure at corners, perimeter, and field of roof.
- J. Mechanically Fastened and Adhered Insulation: Install first layer of insulation to deck using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to deck type.
1. Fasten first layer of insulation according to requirements in FM Global's "RoofNav" for specified Windstorm Resistance Classification.
 2. Fasten first layer of insulation to resist uplift pressure at corners, perimeter, and field of roof.
 3. Set each subsequent layer of insulation in a solid mopping of hot roofing asphalt.
 4. Set each subsequent layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 5. Set each subsequent layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
- K. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered between rows. Offset joints of insulation below a minimum of 6 inches (150 mm) in each direction. Loosely butt cover boards together. Tape joints if required by roofing system manufacturer.
1. Fasten cover boards according to requirements in FM Global's "RoofNav" for specified Windstorm Resistance Classification.
 2. Apply hot roofing asphalt or insulation adhesive to underside, and immediately bond cover board to substrate.

3.6 ROOFING INSTALLATION, GENERAL

- A. Install roofing system according to roofing system manufacturer's written instructions and applicable recommendations in ARMA/NRCA's "Quality Control Guidelines for the Application of Polymer Modified Bitumen Roofing."
1. Install roofing system according to roof assembly identification matrix and roof assembly layout illustrations in NRCA's "The NRCA Roofing and Waterproofing Manual" and to Section requirements.
- B. Install roofing system according to roofing system manufacturer's written instructions and applicable recommendations in ARMA/NRCA's "Quality Control Guidelines for the Application of Polymer Modified Bitumen Roofing" and as follows:
1. Deck Type [N (nailable)] [I (insulated)] [C (concrete or nonnailable)].

2. Adhering Method: [T (torched)] [M (mopped)] [L (cold-applied adhesive)].
 3. Base Sheet: One.
 4. Number of Glass-Fiber Base-Ply Sheets: Two.
 5. Number of SBS-Modified Asphalt Sheets: One.
 6. Surfacing Type: M (mineral-granule-surfaced cap sheet).
- C. Start installation of roofing in presence of manufacturer's technical personnel.
- D. Where roof slope exceeds 1/2 inch per 12 inches (1:24), install roofing membrane sheets parallel with slope.
1. Backnail roofing sheets to nailer strips according to roofing system manufacturer's written instructions.
- E. Coordinate installation of roofing system so insulation and other components of the roofing system not permanently exposed are not subjected to precipitation or left uncovered at the end of the workday or when rain is forecast.
1. Provide tie-offs at end of each day's work to cover exposed roofing sheets and insulation with a course of coated felt set in roofing cement or hot roofing asphalt, with joints and edges sealed.
 2. Complete terminations and base flashings, and provide temporary seals to prevent water from entering completed sections of roofing system.
 3. Remove and discard temporary seals before beginning work on adjoining roofing.

3.7 BASE-SHEET INSTALLATION

- A. Loosely lay one course of sheathing paper, lapping edges and ends a minimum of 2 inches (50 mm) and 6 inches (150 mm), respectively.
- B. Install lapped base-sheet course, extending sheet over and terminating beyond cants. Attach base sheet as follows:
1. Mechanically fasten to substrate.
 2. Spot or strip mop to substrate with hot roofing asphalt.
 3. Adhere to substrate in a solid mopping of hot roofing asphalt.

3.8 BASE-PLY SHEET INSTALLATION

- A. Install glass-fiber base-ply sheets according to roofing system manufacturer's written instructions starting at low point of roofing system. Align glass-fiber base-ply sheets without stretching. Extend sheets over and terminate beyond cants.
 - 1. Shingle side laps of glass-fiber base-ply sheets uniformly to ensure that required number of glass-fiber base-ply sheets covers substrate at any point. Shingle in direction to shed water.
 - 2. Embed each glass-fiber base-ply sheet in a continuous void-free mopping of hot roofing asphalt to form a uniform membrane without glass-fiber base-ply sheets touching.

3.9 SBS-MODIFIED BITUMINOUS MEMBRANE INSTALLATION

- A. Install modified bituminous roofing sheet and cap sheet according to roofing manufacturer's written instructions, starting at low point of roofing system. Extend roofing membrane sheets over and terminate beyond cants, installing as follows:
 - 1. Adhere to substrate in a solid mopping of hot roofing asphalt applied at not less than 425 deg F (218 deg C).
 - 2. Adhere to substrate in cold-applied adhesive.
 - 3. Torch apply to substrate.
 - 4. Unroll roofing sheets and allow them to relax for minimum time period required by manufacturer.
- B. Laps: Accurately align roofing sheets, without stretching, and maintain uniform side and end laps. Stagger end laps. Completely bond and seal laps, leaving no voids.
 - 1. Repair tears and voids in laps and lapped seams not completely sealed.
 - 2. Apply roofing granules to cover exuded bead at laps while bead is hot.
- C. Install roofing sheets so side and end laps shed water.

3.10 FLASHING AND STRIPPING INSTALLATION

- A. Install base flashing over cant strips and other sloped and vertical surfaces, at roof edges, and at penetrations through roof, and secure to substrates according to roofing system manufacturer's written instructions and as follows:
 - 1. Prime substrates with asphalt primer if required by roofing system manufacturer.
 - 2. Backer-Sheet Application: Adhere backer sheet to substrate in a solid mopping of hot roofing asphalt or cold-applied adhesive.

3. Flashing-Sheet Application: Adhere flashing sheet to substrate in a solid mopping of hot roofing asphalt applied at not less than 425 deg F (218 deg C). Apply hot roofing asphalt to back of flashing sheet if recommended by roofing system manufacturer.
 4. Flashing-Sheet Application: Adhere flashing sheet to substrate in cold-applied adhesive at rate required by roofing system manufacturer.
 5. Flashing-Sheet Application: Adhere flashing sheet to substrate in asphalt roofing cement at rate required by roofing system manufacturer.
 6. Flashing-Sheet Application: Torch apply flashing sheet to substrate.
- B. Extend base flashing up walls or parapets a minimum of 8 inches (200 mm) above roofing membrane and 4 inches (100 mm) onto field of roofing membrane.
- C. Mechanically fasten top of base flashing securely at terminations and perimeter of roofing.
1. Seal top termination of base flashing with a strip of glass-fiber fabric set in asphalt roofing cement.
- D. Install roofing cap-sheet stripping where metal flanges and edgings are set on roofing according to roofing system manufacturer's written instructions.
- E. Roof Drains: Set [30-by-30-inch- (760-by-760-mm-)] <Insert dimensions> metal flashing in bed of asphaltic adhesive on completed roofing membrane. Cover metal flashing with roofing cap-sheet stripping, and extend a minimum of [4 inches (100 mm)] [6 inches (150 mm)] beyond edge of metal flashing onto field of roofing membrane. Clamp roofing membrane, metal flashing, and stripping into roof-drain clamping ring.
1. Install stripping according to roofing system manufacturer's written instructions.

3.11 WALKWAY INSTALLATION

- A. Walkway Pads: Install walkway pads using units of size indicated or, if not indicated, of manufacturer's standard size, according to walkway pad manufacturer's written instructions.
1. Set walkway pads in cold-applied adhesive.
 2. Set walkway pads in additional pour coat of hot roofing asphalt after aggregate surfacing of modified bituminous roofing membrane.

3.12 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to inspect substrate conditions, surface preparation, membrane application, flashings, protection, and drainage components, and to furnish reports to Architect.

1. Flood Testing: Flood test each roofing area for leaks, according to recommendations in ASTM D 5957, after completing roofing and flashing. Install temporary containment assemblies, plug or dam drains, and flood with potable water.
 - a. Perform tests before overlying construction is placed.
 - b. Flood to an average depth of 2-1/2 inches (65 mm) with a minimum depth of 1 inch (25 mm) and not exceeding a depth of 4 inches (100 mm). Maintain 2 inches (50 mm) of clearance from top of base flashing.
 - c. Flood each area for 24 hours.
 - d. After flood testing, repair leaks, repeat flood tests, and make further repairs until roofing and flashing installations are watertight.
 - 1) Cost of retesting is Contractor's responsibility.
 - e. Testing agency shall prepare survey report indicating locations initial leaks, if any, and final survey report.
 2. Electric Field Vector Mapping (EFVM): Testing agency shall survey entire roof area for potential leaks using electric field vector mapping (EFVM).
- B. Test Cuts: Remove test specimens to evaluate problems observed during quality-assurance inspections of roofing membrane as follows:
1. Determine approximate quantities of components within roofing membrane according to ASTM D 3617.
 2. Examine test specimens for interply voids according to ASTM D 3617 and to comply with criteria established in Appendix 3 of ARMA/NRCA's "Quality Control Guidelines for the Application of Polymer Modified Bitumen Roofing."
 3. Repair areas where test cuts were made according to roofing system manufacturer's written instructions.
- C. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion.
1. Notify Architect and Owner 48 hours in advance of date and time of inspection.
- D. Roofing system will be considered defective if it does not pass tests and inspections.
1. Additional testing and inspecting, at Contractor's expense, will be performed to determine if replaced or additional work complies with specified requirements.

3.13 PROTECTING AND CLEANING

- A. Protect roofing system from damage and wear during remainder of construction period. When remaining construction does not affect or endanger roofing, inspect roofing for

deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.

- B. Correct deficiencies in or remove roofing system that does not comply with requirements, repair substrates, and repair or reinstall roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

3.14 ROOFING INSTALLER'S WARRANTY

- A. WHEREAS _____ of _____, herein called the "Roofing Installer," has performed roofing and associated work ("work") on the following project:

- 1. Owner: <Insert name of Owner>.
- 2. Address: <Insert address>.
- 3. Building Name/Type: <Insert information>.
- 4. Address: <Insert address>.
- 5. Area of Work: <Insert information>.
- 6. Acceptance Date: _____.
- 7. Warranty Period: <Insert time>.
- 8. Expiration Date: _____.

- B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant said work against leaks and faulty or defective materials and workmanship for designated Warranty Period,

- C. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period he will, at his own cost and expense, make or cause to be made such repairs to or replacements of said work as are necessary to correct faulty and defective work and as are necessary to maintain said work in a watertight condition.

- D. This Warranty is made subject to the following terms and conditions:

- 1. Specifically excluded from this Warranty are damages to work and other parts of the building, and to building contents, caused by:
 - a. lightning;
 - b. peak gust wind speed exceeding <Insert mph (m/s)>;

- c. fire;
 - d. failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
 - e. faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
 - f. vapor condensation on bottom of roofing; and
 - g. activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.
- 2. When work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.
 - 3. Roofing Installer is responsible for damage to work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of work.
 - 4. During Warranty Period, if Owner allows alteration of work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this Warranty shall become null and void on date of said alterations, but only to the extent said alterations affect work covered by this Warranty. If Owner engages Roofing Installer to perform said alterations, Warranty shall not become null and void unless Roofing Installer, before starting said work, shall have notified Owner in writing, showing reasonable cause for claim, that said alterations would likely damage or deteriorate work, thereby reasonably justifying a limitation or termination of this Warranty.
 - 5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a promenade, work deck, spray-cooled surface, flooded basin, or other use or service more severe than originally specified, this Warranty shall become null and void on date of said change, but only to the extent said change affects work covered by this Warranty.
 - 6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect work and to examine evidence of such leaks, defects, or deterioration.
 - 7. This Warranty is recognized to be the only warranty of Roofing Installer on said work and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of original work according to requirements of the Contract Documents, regardless of whether

Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.

E. IN WITNESS THEREOF, this instrument has been duly executed this _____ day of _____, _____.

1. Authorized Signature: _____.

2. Name: _____.

3. Title: _____.

END OF SECTION

07 52 20 – MODIFIED BITUMEN MEMBRANE ROOFING – 20-YEAR

PART 1 - GENERAL

1.1 DISTRICT REPRESENTATIVE

- A. In this specification section, "District Representative" means the project manager assigned by the District. If the project manager is not from the Maintenance Department, then "District Representative" means both the project manager assigned to the project and a representative assigned by the Maintenance Department. Both individuals must be invited to all meetings where the District Representative is present and both individuals must receive all correspondence related to the roofing.

1.2 SCOPE OF WORK

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.
- B. Provide all labor, equipment, insulation, and materials to install modified bitumen roof system over the properly prepared substrate.
- C. All debris to be swept clean down to deck.
- D. All decking to be inspected before roofing.
- E. Recover deck with Modified Bitumen Roofing System.
- F. Roof deck shall have new coping installed by roofing contractor.
- G. Install felts, SBS+SIS+ES rubber modified Mineral membrane, and Title 24 Coating.
- H. All membrane shall conform to Title 24.
- I. Contractor shall be responsible for proper handling of all gas lines, and electrical system in accordance with applicable codes.
- J. Contractor is to ensure all gas, electrical, and other utilities involved, as part of this contract will be in the same working condition, after roofing project is completed.
- K. There shall be a minimum 8 inches flashing height on all curbs.

1.3 RELATED WORK

- A. Furnish and install specified roofing and related components. Coordinate related work specified in other parts of this specification including, but not limited to, the following:
 - 1. Properly prepared, and clean deck.
 - 2. Repair, re-attach or replace defective decking, if needed.
 - 3. Install new pitch pockets, and fabricate lead flashing at ALL ANGLE support.
 - 4. Correctly anchor all conduit lines onto blocking. All new wood sleepers are required.
 - 5. Wood curbs for conduits, shall match existing that is being replaced.

6. Properly support all pipes and equipment with blocking set on protection pads.
7. All existing roof mounted gas lines shall be in the same working condition as when the project commenced.
8. All drains are to be replaced with new drain assemblies. Note this includes: basket, clamps, rings, nuts, bolts, pots and all other accessories. Drain manufacturer shall be JR Smith, or equal. All drains and downspouts are to be tested before roof tearoff. If leakage is detected, owner's representative is to be contacted. After roof assembly is completed, drains are to be tested again and if leakage is detected, owner's representative is to be contacted.

1.4 REFERENCES

- A. ASTM D - 41 Specifications for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing
- B. ASTM D - 312 Specification for Asphalt Used in Roofing
- C. ASTM D - 451 Test Method for Sieve Analysis of Granular Mineral
- D. ASTM D - 1079 Terminology Relating to Roofing, Waterproofing, and Bituminous Materials
- E. ASTM D - 1227 Specification for Emulsified Asphalt Used as a Protective Coating for Roofing
- F. ASTM D - 1863 Specification for Mineral Aggregate Used on Built-Up Roofs
- G. ASTM D - 2178 Specification for Asphalt Glass Felt Used in Roofing and Waterproofing
- H. ASTM D - 2822 Specification for Asphalt Roof Cement
- I. ASTM D - 2824 Specification for Aluminum-Pigmented Asphalt Roof Coating
- J. ASTM D - 4601 Specification for Asphalt-Coated Glass Fiber Base Sheet Used in Roofing
- K. ASTM D - 5147 1991 Test Method for Sampling and Testing Modified Bituminous Sheet Materials All submittals for approval shall come from independent testing agency, no data tested in manufacturer's facility or underwritten, or witnessed in manufacturer's laboratory shall be accepted.
- L. ASTM E - 108 Test Methods for Fire Test of Roof Coverings
- M. NRCA National Roofing Contractors Association
- N. UL Underwriters Laboratories
- O. WH Warnock Hersey

1.5 SUBMITTALS

- A. Submit under provisions of district standards.
- B. Product Data for each type of product specified include manufacturer's technical product data, installation instructions, and recommendations for each type of roofing product required. Include data substantiating that materials comply with specified requirements.
- C. Show evidence that the products and materials are manufactured in the United States and that materials provided conform to all requirements specified herein, and are chemically and physically compatible with each other and are suitable for inclusion within the total roof system specified herein.

- D. Show evidence that the Installer specializes in modified bituminous roof application with a minimum 5 years of experience and who is certified by the roofing system manufacturer as qualified to install manufacturer's roofing materials.
 - E. Submit certification that the roof system furnished is Tested and Approved by Factory Mutual as a Class 1A roof system with 1-60 Wind Uplift Requirements, or Listed by Underwriters Laboratories or Warnock Hersey for external fire tests of ASTM E-108
 - F. Any deficiencies in performance, warranty terms or improper submittal procedure will constitute grounds for immediate rejection or alternate.
 - G. For all modified bituminous sheet roofing include independent test data according to ASTM D-5147 "Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Material" substantiating that material comply with specified requirements.
 - H. Unexecuted Manufacturer's warranty
 - I. Certified copy of ISO 9001
 - J. Provide a sample of each product, including but not limited to:
 - 1. A sample of each modified membrane sheet.
 - 2. A sample of modified integrated base flashing.
- 1.6 QUALITY ASSURANCE
- A. Manufacturer Qualifications: Roofing system manufacturer shall have a minimum of 10 years of experience in manufacturing modified bitumen roofing products in the United States and be ISO 9001 certified.
 - B. Installer Qualifications: Installer (Roofing) shall be specializing in modified bituminous roof application with minimum 5 years of experience and who is certified by the roofing system manufacturer as qualified to install manufacturer's roofing materials.
 - C. It is the intent of this specification to provide a roof system with an external fire rating. The components shall be as required by the membrane manufacturer to provide a Class A fire resistance rating.
 - D. Installer's Field Supervision: Require Installer to maintain a full-time Supervisor/Forman on the job site during all phases of modified bituminous sheet roofing work and at any time roofing work is in progress: proper supervision of workmen shall be maintained. A copy of the specification shall be in the possession of the Supervisor/Foremen and on the roof at all times.
 - E. It shall be the Contractor's responsibility to respond immediately to correction of roof leakage during construction.
 - F. Pre-application Roofing Conference: Approximately 2 weeks before scheduled commencement of modified bitumen sheet roof system and associated work, meet at Project site with Installer, installer of each component of associated work, installers of deck or substrate construction to receive roofing work, installers of rooftop units and other work if any), District Representative, roofing system manufacturer's representative, and other representatives directly concerned with performance of the Work, including (where applicable) Owner's insurers, test agencies, and governing authorities. Objectives to include:
 - 1. Review foreseeable methods and procedures related to roofing work.

2. Tour representative areas of roofing substrates (decks) inspect and discuss condition of substrate, roof drains, curbs, penetrations, and other preparatory work performed by other trades.
3. Review structural loading limitations of deck and inspect deck for loss of flatness and for required attachment.
4. Review roofing systems requirements (drawings, specifications, and other contract documents).
5. Review required submittals, both completed and yet to be completed.
6. Review and finalize construction schedule related to roofing work and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
7. Review required inspection, testing, certifying, and material usage accounting procedures.
8. Review weather and forecasted weather conditions and procedures for coping with unfavorable conditions, including possibility of temporary roofing (if not a mandatory requirement).
9. Record (contractor) discussion of conference, including decisions and agreements (or disagreements) reached, and furnishes copy of record to each party attending. If substantial disagreements exist at conclusion of conference, determine how disagreements will be resolved and set date for reconvening conference.
10. Review notification procedures for weather or non-working days.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Deliver products to site with seals and labels intact, in manufacturer's original containers, dry and undamaged.
- B. Store and handle roofing sheets in a dry, well-ventilated, weather-tight place to ensure no possibility of significant moisture exposure. Store rolls of felt and other sheet materials on pallets or other raised surface. Stand all roll materials on end. Cover all goods with a canvas tarpaulin or other breathable material (not polyethylene).
- C. Do not leave unused rolled goods on the roof overnight or when roofing work is not in progress unless protected from weather and other moisture sources.
- D. Handle and store materials or equipment in a manner to avoid significant or permanent deflection of deck.

1.8 Manufacturer's Inspections

- A. When the project is in progress, the Roofing System Manufacturer will provide the following:
 1. Keep the District Representative informed as to the progress and quality the work as observed.
 2. Provide daily job site inspections.
 3. Report to the District Representative/Architect in writing, any failure or refusal of the Contractor to correct unacceptable practices called to the Contractor's attention.

4. Confirm, after completion of the project and based on manufacturer's observations and tests, that manufacturer has observed no applications procedures in conflict with the specifications other than those that may have been previously reported and corrected.

1.9 PROJECT CONDITIONS

- A. Weather Condition Limitations: Do not apply roofing membrane during inclement weather or when a 40% chance of precipitation is expected.
- B. Do not apply roofing membrane to damp deck surface.
- C. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed during same day.
- D. Proceed with roofing work only when existing and forecasted weather conditions will permit unit of work to be installed in accordance with manufacturer's recommendations and warranty requirements.

1.10 SEQUENCING AND SCHEDULING

- A. Sequence installation of modified bituminous sheet roofing with related units of work specified in other sections to ensure that roof assemblies, including roof accessories, flashing, trim, and joint sealers, are protected against damage from effects of weather, corrosion, and adjacent construction activity.
- B. All work must be fully completed on each day. Phased construction will not be accepted. Contractor must glaze any exposed felts, before next day's work.

1.11 WARRANTY

- A. Membrane manufacturer, upon completion of installation, and acceptance by the District Representative, will supply to the Owner a 20-year partnership pledge warranty. Upon completion of installation, and acceptance by the owner all metal integrated base flashings, adhesive, modified sheet, wall cover panels, coping, shall be from single source of responsibility. All coping and metal accessories to be sourced, from The Membrane Manufacturer.
- B. Contractor will submit a minimum of a five-year labor warranty to the membrane manufacturer with a copy directly to District Representative.

PART 2 - PRODUCTS

2.1 GENERAL

- A. When a particular trade name or performance standard is specified it shall be indicative of a standard required.
- B. Provide products, and independent test data confirming tear strength, and tensile strength, along with all other pertinent data as specified.
- C. Any item or materials submitted as an alternate to the manufacturer specified must comply in all respects as to the quality and performance, including job site investigation of the brand name specified.

2.2 BITUMINOUS MATERIALS

- A. Asphalt Primer: V.O.C. compliant, ASTM D-41.
- B. Asphalt Roofing Mastic: V.O.C. compliant, ASTM D-2822, and Type II.
- C. Asphalt: Shall meet ASTM Specification D-312 Type III.

2.3 SHEET MATERIALS

A. Felts Type VI Felts

- 1. Minimum 2 plies of ASTM D2178, Type VI glass fiber roofing felt bonded to prepared substrate with hot bitumen, to be sourced, and purchased from the membrane manufacturer.

B. Base Sheet minimum requirements:

	Machine Direction	Cross Machine Direction
1. Load Strain at 77 degrees F	100	100
2. Elongation at Max Load%	5	5
3. Tear Strength at 77 degrees F, lbf.	150	150

C. Mineral Cap Sheet (or Cap Sheet) minimum requirements:

	Machine Direction	Cross Machine Direction
1. Load Strain at 77 degrees F	100	100
2. Max Load, lbf.	3	3
3. Tear Strength at 77 degrees F	150	150
4. Low Temperature Flexibility degrees F	Passes -30	

2.4 SURFACING

- A. Mineral Cap Sheet, will be coated with pyramic, Title 24 Coating at the rate of 1.5 gallon / 100 square feet, (2 Coats).

2.5 RELATED MATERIALS

- A. All flashings, (drip edge, wall flashings), shall be a high gloss white, steel flashing system with a self-ventilation, movement absorbing design. This shall be applicable for the drip edge, and base flashings, if their existing conditions are metal flashings. All base flashings, that have existing mineral cap sheet flashings, shall be replaced by Title 24 Mineral Cap sheet base flashings. If metal base flashings the flashing system shall be comprised of aluminum-zinc alloy steel. The modified sheet attached to the termination strip shall be either torched into the field membrane, or set in hot or cold adhesive. Sheet shall be pained, by the contractor with urethane coating, to be purchased from the membrane manufacturer. The installation shall be 1 gallon/100 square feet. 2 Coats are required. Metal wall cover panels, shall be stucco embossed, pre-fab wall cover panel designed for additional rigidity with no exposed fasteners. Panels shall have 13" coverage width (3" in S-Lock), up to 12 feet. Metal wall panels will be installed, by certified licensed membrane contractor. Metal wall panels will be warranted, and manufactured, by the modified membrane sheet manufacturer. All stucco walls are to be covered by wall covering panel,

with inside, and outside corner panels, which shall be (.0157 nom.) They will be pre-fab inside, and outside corner pieces for wall covering panels. (Female interlock each side accepts male edge of wall cover panel or adjoining corner panel.) New coping will be installed. All coping to be sourced, and warranted by the modified membrane manufacturer.

- B. Nails and Fasteners: Non-ferrous metal or galvanized steel, except that hard copper nails shall be used with copper; aluminum or stainless steel nails shall be used with aluminum; and stainless steel nails shall be used with stainless steel. Nails and fasteners shall be flush-driven through flat metal discs of not less than 1 inch diameter. Metal discs may be omitted when one piece composite nails or fasteners with heads not less than 1 inch diameter are used.
- C. Metal Discs: Flat discs or caps of zinc-coated sheet metal not lighter than 28 gauges and not less than 1 inch in diameter. Discs shall be formed to prevent dishing. Bell or cup-shaped caps are not acceptable.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrate surfaces to receive modified bitumen sheet roofing system and associated work and conditions under which roofing will be installed. Do not proceed with roofing until unsatisfactory conditions have been corrected in a manner acceptable to Installer.

3.2 INSTALLATION REQUIREMENTS

- A. Cooperate with manufacturer, inspection and test agencies engaged or required to perform services in connection with installing modified bitumen roofing system.
- B. Insurance/Code Compliance: Where required, install and test modified bitumen roofing system to comply with governing regulations and specified insurance requirements.
- C. Protect other work from spillage of modified bitumen roofing materials, and prevent liquid materials from entering or clogging drains and conductors. Replace or restore other work damaged by installations of modified bituminous roofing system work. Note: Where there are existing roof curbs that have been roofed, they are to be demolished, new decking installed, and to be re-roofed per specifications.
- D. Coordinate installing roofing system components so that insulation and roofing plies are not exposed to precipitation or left exposed overnight. Provide cut offs at end of each day's work to cover exposed ply sheets and insulation with two (2) plies of #15 organic felt set in full moppings of bitumen and with joints and edges sealed with roofing cement. Remove cut offs immediately before resuming work. Install new counter-flashing, furnished, and warranted by membrane manufacturer.
- E. Asphalt Bitumen Heating: Heat and apply bitumen according to EVT Method as recommended by NRCA. Do not raise temperature above minimum normal fluid-holding temperature necessary to attain EVT (plus 5° F at point of application) more than 1 hour prior to time of application. Determine flash point, finished blowing temperature, EVT, and fire-safe handling temperature of bitumen either by information from manufacturer or by suitable test. Do not exceed recommended temperature limits during bitumen heating. Do not heat to a temperature higher than 25° below flash point. Discard bitumen that has been

held at temperature exceeding finishing blowing temperature (FBT) for more than 3 hours. Keep kettle lid closed except when adding bitumen.

- F. Bitumen; Mopping Weights: For interply mopping, apply bitumen at the rate of approximately 25 lbs of asphalt per roof square (plus or minus 25 percent on a total job average).
- G. Substrate joint penetrations: Prevent bitumen from penetrating substrate joints, entering building, or damaging roofing system components or adjacent building construction.
- H. Apply roofing materials as specified herein, unless recommended otherwise by manufacturer's instructions. Keep roof material dry before and during application. Do not permit phased construction. Complete application of roofing plies, modified sheet and flashing in a continuous operation. Begin and apply only as much roofing in one day as can be completed that same day. If phased construction is desired, roofing contractor shall glaze felts prior to leaving jobsite and beginning following day's work.
 - 1. (Metal Decks) Mechanically attach 2" of Polyisocyanurate insulation, into metal deck, with #12, or #14 olympic fastener, at the rate of 1 each every square foot. Then in Type III Asphalt, mop 1/2" fiberboard insulation, to ISO board at the rate of 25bs/ 100 square feet. Mop Base Sheet, Mop 2 each Type VI Felts, and Cap Sheet, with Pyramic Coating 1.5 gallons/ 100 square feet. (2 Coats) (As specified)
 - 2. (Structural Concrete Decks) Prime existing deck with Primer, at the rate of 1 gallon/ 100 square feet. Sprinkle Mop 1/2" fiberboard insulation, in Type III Asphalt. Mop Base Sheet, Mop 2 each Type VI Felts, and Cap Sheet, with Pyramic Coating 1.5 gallons/100 square feet. (2 Coats) (As specified)
 - 3. (Wood Decks). Roll out red rosin paper, then mechanically attach Base Sheet. Mop 2 each Type VI Felts, and Cap Sheet, with Pyramic Coating, 1.5 gallons/100 square feet. (2 Coats) (As specified)
 - 4. (Metal Decks with Lightweight Concrete) Mechanically attach 1" of Polyisocyanurate insulation, down through lightweight concrete, into metal deck, with #12 or #14 olympic fastener, at the rate of 1 every square foot. Mop 1/2" fiberboard insulation, in Type III Asphalt at the rate of 25 lbs/100 square feet. Mop Base Sheet. Mop 2 each Type VI Felts, and Cap Sheet, with Pyramic Coating 1.5 gallons/100 square feet. (2 Coats) (As specified).
 - 5. (If Applicable) all slopes of greater than 1-1/2:12 require back-nailing to prevent slippage of the ply sheets. Use ring or spiral shank one-inch cap nails, or screws and plates at a rate of one (1) fastener per ply (including the modified membrane), at each insulation stop. Place insulation stops at 16 ft o.c. for slopes less than 3:12 and (4) ft o.c. for slopes greater than 3:12. On non-insulated systems, nail each ply directly into the deck at the rate specified above. When slope exceeds 1:12, strapping plies is recommended to help prevent slippage. Install for (4) additional fasteners at the upper edge of the modified bitumen sheet when strapping the plies.
- I. Cut-Offs At end of each day's roofing installation, protect exposed edge of incomplete work, including ply sheets. Provide temporary covering of two plies of #15 organic roofing felt set in full moppings of bitumen with joins and edges sealed.
- J. All curbs extended shall be a minimum of 8 inches in height. New curbs, to be mechanically attached, with treated lumber, and Flashed with Cap Sheet. Metal pans to be mechanically attached to curbs, and drip edge shall be 3.5 inches below field of curb.

- K. All designated conduit, shall be carefully lifted, during tear off process, and conduit will be placed on new wood blocks to match existing.

3.3 SAFETY REQUIREMENTS

- A. All application, material handling, and associated equipment shall conform to and be operated in conformance with OSHA safety requirements.
- B. Comply with federal, state, local, and fire, and safety requirements.
- C. Advise owner whenever work is expected to be hazardous to owner, employees, and/or operators.
- D. Maintain a crewman as a floor area guard whenever roof decking is being repaired or replaced.
- E. Maintain fire extinguisher within easy access whenever power tools are being used.

3.4 WASTE DISPOSAL

- A. Do not re-use, re-cycle or dispose of material manufacturer's product containers except in accordance with all applicable regulations. The user of manufactured products is responsible for proper use and disposal of product container. Asbestos material shall be treated in accordance with local codes.

3.5 CALIFORNIA PROPOSITION 65

- A. Contractor will post notices, make all communications and otherwise comply with California Proposition 65 requirements concerning notification of those who may be exposed to Prop 65 listed chemicals, as revised from time to time. Contractor will also comply with requirements concerning the safe use and handling of roofing material, including preventing vapors from entering buildings.

3.6 PREPARATION

- A. Contractor shall have sole responsibility of accuracy of all measurements and estimates of materials, quantities and sizes. Make sure roof is cleaned down to deck, and insulation.
- B. Plug all drains to prevent debris entry and remove all clamping rings and related materials and store for later re-installation. Install new drains, with lead flanges.
- C. Sweep deck clean to remove all dirt and debris and dispose of away from site.
- D. Deck Repair: Replace all defective decking with like materials, following manufacturer's recommendation.

3.7 FELT PLY INSTALLATION

- A. Mop base sheet and install (2) each Type VI Felt sheets, in 25 lbs per square of bitumen shingled uniformly to achieve two plies throughout over the prepared substrate. Shingle in proper direction to shed water on each area of the roof.
- B. Lap ply sheet end eight inches (8"). Stagger end laps twelve inches (12") minimum.
- C. Extend plies two inches (2") beyond top edges of wall and projection bases.

- D. Install Mineral Cap Sheet Title 24 base flashings, and wall cover panels.
 - E. The modified membrane shall then be solidly bonded to the base layers with specified asphalt at the rate of 35lbs/ 100 square feet. The roll must push a puddle of asphalt in front of it with asphalt slightly visible at all side laps. Care should be taken to eliminate air entrapment under the membrane. Apply pressure to all seams to ensure that laps are solidly bonded to substrate. Subsequent rolls of modified membrane shall be installed across the roof, as above, with a minimum of four-inch (4") side laps and eight-inch (8") end laps. The end laps shall be staggered. The modified membrane shall be laid in the same direction as the underlayments, but the laps shall not coincide with the laps of the base layers. Apply asphalt no more than five feet ahead of each roll being embedded. The modified membrane will be coated with pyramic Title 24 Coating, at the rate of 1.5 gallons per 100 square feet. (2 Coats)
- 3.8 PLUMBING STACK, AND ALL OTHER MISCELLANEOUS STACKS
- A. Minimum stack height is twelve inches.
 - B. Run roof system over the roof. Seal the base of the stack with elastomeric sealant.
 - C. Prime flange of new sleeve. Install properly-sized sleeves set in a 1/4" base of elastomeric sealant.
 - D. Install base flashing ply bitumen.
 - E. Install modified membrane in bitumen.
 - F. Caulk the intersection of the membrane and the base flashing with elastomeric sealant.
 - G. Turn sleeve a minimum of one inch down inside of stack.
- 3.9 SCUPPER THROUGH WALL
- A. Inspect the nailer to assure proper attachment and configuration.
 - B. Run one ply over nailer up the overflow, in the scupper hole and flash up. Install a scupper box in 1/4-inch bed of mastic. Assure all box seams are soldered and have a minimum four (4)-inch flange. Make sure all corners are closed and soldered. Prime scupper at a rate of one hundred square feet per gallon and allow to dry. Fasten flange of scupper box every three inches o.c. staggered. Strip in flange of scupper box with base flashing ply covering entire area with six-inch overlap on to the field of the roof and wall flashing. Install a second ply of modified flashing ply in bitumen over the base flashing ply, nine inches on to the field of the roof. Apply a three-course application of mastic and mesh at all seams.
- 3.10 ROOF DRAIN
- A. Plug drain to prevent debris from entering plumbing
 - B. Install to drain minimum of twenty four inches from center of drain.
 - C. Run roof system plies over drain. Cut out plies inside drain bowl.
 - D. Set lead/copper flashing (30-inch square minimum) in 1/4-inch bed of mastic. Run lead/copper into drain a minimum of two inches. Prime lead/copper at a rate of one hundred square feet per gallon, and allow to dry. Install base flashing 40-inch square minimum in bitumen. Install clamping ring and assure that all plies are under the clamping ring. Remove drain plug and install strainer.

3.11 HEAT STACK

- A. Minimum stack height is twelve inches
- B. Run roof system over the entire surface of the roof. Seal the base of the stack with elastomeric sealant.
- C. Prime flange of new sleeve. Install properly sized sleeves set in 1/4-inch bed of roof cement.
- D. Install base flashing ply in bitumen.
- E. Install modified membrane in bitumen.
- F. Caulk the intersection of the membrane with elastomeric sealant.
- G. Install new collar over cape. Weld collar or install stainless steel draw band.

3.12 CLEANING

- A. Remove drippage of bitumen from all walls, windows, floors, ladders and finished surfaces.
- B. In areas where finished surfaces are soiled by asphalt or any other sources of soiling caused by work of this section, consult manufacturer of surfaces for cleaning advice and conform to their instructions.

3.13 FINAL INSPECTION

- A. At completion of roofing installation and associated work, meet with installer, installers of associated work, district representative, roofing system manufacturer's representative and other representatives directly concerned with the performance of the roofing system.
- B. Walk roof surface areas of the building, inspect perimeter building edges as well as flashing of roof penetrations, walls, curbs and other equipment. List all items requiring correction or completion and furnish copy of list to each representative attending inspection.
- C. The roofing system manufacturer reserves the right to request a thermographic scan of roof during final inspection to determine if any damp or wet materials have been installed. The thermographic scan shall be provided by the roofing contractor at roofing contractor's expense.
- D. Repair, or replace, as required, deteriorated or defective work found at time of inspection to a condition free of damage and deterioration at time of substantial completion and according to warranty requirements.
- E. The contractor is to notify the district's facilities department upon completion of corrections.
- F. Following the final inspection, acceptance will be made in writing by the material manufacturer.

END OF SECTION

07 52 30 – MODIFIED BITUMEN MEMBRANE ROOFING – 30-YEAR

PART 1 - GENERAL

1.1 DISTRICT REPRESENTATIVE

- A. In this specification section, "District Representative" means the project manager assigned by the District. If the project manager is not from the Maintenance Department, then "District Representative" means both the project manager assigned to the project and a representative assigned by the Maintenance Department. Both individuals must be invited to all meetings where the District Representative is present and both individuals must receive all correspondence related to the roofing.

1.2 SCOPE OF WORK

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.
- B. Provide all labor, equipment, insulation, and materials to install modified bitumen roof system over the properly prepared substrate.
- C. All debris to be swept clean down to deck.
- D. All decking to be inspected before roofing.
- E. Recover deck with Modified Bitumen Roofing System.
- F. Roof deck shall have new coping installed by roofing contractor.
- G. Install felts, SBS+SIS+ES rubber modified Mineral membrane, and Title 24 Coating.
- H. All membrane shall conform to Title 24.
- I. Contractor shall be responsible for proper handling of all gas lines, and electrical system in accordance with applicable codes.
- J. Contractor is to ensure all gas, electrical, and other utilities involved, as part of this contract will be in the same working condition, after roofing project is completed.
- K. There shall be a minimum 8 inches flashing height on all curbs.
- L. Modified sheet shall have Kevlar, and 7% post-consumer recycle content.

1.3 RELATED WORK

- A. Furnish and install specified roofing and related components. Coordinate related work specified in other parts of this specification including, but not limited to, the following:
 - 1. Properly prepared, and clean deck.
 - 2. Repair, re-attach or replace defective decking, if needed.
 - 3. Install new pitch pockets, and fabricate lead flashing at ALL ANGLE support.
 - 4. Correctly anchor all conduit lines onto blocking. All new wood sleepers are required.

5. Wood curbs for conduits, shall match existing that is being replaced.
6. Properly support all pipes and equipment with blocking set on protection pads.
7. All existing roof mounted gas lines shall be in the same working condition as when the project commenced.
8. All drains are to be replaced with new drain assemblies. Note this includes: basket, clamps, rings, nuts, bolts, pots and all other accessories. Drain manufacturer shall be JR Smith, or equal. All drains and downspouts are to be tested before roof tearoff. If leakage is detected, owner's representative is to be contacted. After roof assembly is completed, drains are to be tested again and if leakage is detected, owner's representative is to be contacted.

1.4 REFERENCES

- A. ASTM D - 41 Specifications for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing
- B. ASTM D - 312 Specification for Asphalt Used in Roofing
- C. ASTM D - 451 Test Method for Sieve Analysis of Granular Mineral
- D. ASTM D - 1079 Terminology Relating to Roofing, Waterproofing, and Bituminous Materials
- E. ASTM D - 1227 Specification for Emulsified Asphalt Used as a Protective Coating for Roofing
- F. ASTM D - 1863 Specification for Mineral Aggregate Used on Built-Up Roofs
- G. ASTM D - 2178 Specification for Asphalt Glass Felt Used in Roofing and Waterproofing
- H. ASTM D - 2822 Specification for Asphalt Roof Cement
- I. ASTM D - 2824 Specification for Aluminum-Pigmented Asphalt Roof Coating
- J. ASTM D - 4601 Specification for Asphalt-Coated Glass Fiber Base Sheet Used in Roofing
- K. ASTM D - 5147 1991 Test Method for Sampling and Testing Modified Bituminous Sheet Materials All submittals for approval shall come from independent testing agency, no data tested in manufacturer's facility or underwritten, or witnessed in manufacturer's laboratory shall be accepted.
- L. ASTM E - 108 Test Methods for Fire Test of Roof Coverings
- M. NRCA National Roofing Contractors Association
- N. UL Underwriters Laboratories
- O. WH Warnock Hersey

1.5 SUBMITTALS

- A. Submit under provisions of district standards.
- B. Product Data for each type of product specified include manufacturer's technical product data, installation instructions, and recommendations for each type of roofing product required. Include data substantiating that materials comply with specified requirements.
- C. Show evidence that the products and materials are manufactured in the United States and that materials provided conform to all requirements specified herein, and are chemically and

physically compatible with each other and are suitable for inclusion within the total roof system specified herein.

- D. Show evidence that the Installer specializes in modified bituminous roof application with a minimum 5 years of experience and who is certified by the roofing system manufacturer as qualified to install manufacturer's roofing materials.
 - E. Submit certification that the roof system furnished is Tested and Approved by Factory Mutual as a Class 1A roof system with 1-60 Wind Uplift Requirements, or Listed by Underwriters Laboratories or Warnock Hersey for external fire tests of ASTM E-108
 - F. Any deficiencies in performance, warranty terms or improper submittal procedure will constitute grounds for immediate rejection or alternate.
 - G. For all modified bituminous sheet roofing include independent test data according to ASTM D-5147 "Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Material" substantiating that material comply with specified requirements.
 - H. Unexecuted Manufacturer's warranty
 - I. Certified copy of ISO 9001
 - J. Provide a sample of each product, including but not limited to:
 - 1. A sample of each modified membrane sheet.
 - 2. A sample of modified integrated base flashing.
- 1.6 QUALITY ASSURANCE
- A. Manufacturer Qualifications: Roofing system manufacturer shall have a minimum of 10 years of experience in manufacturing modified bitumen roofing products in the United States and be ISO 9001 certified.
 - B. Installer Qualifications: Installer (Roofing) shall be specializing in modified bituminous roof application with minimum 5 years of experience and who is certified by the roofing system manufacturer as qualified to install manufacturer's roofing materials.
 - C. The roofing components shall provide a Class A fire resistance rating.
 - D. Installer's Field Supervision: Require Installer to maintain a full-time Supervisor/Forman on the job site during all phases of sheet roofing work and at any time roofing work is in progress: proper supervision of workmen shall be maintained. A copy of the specification shall be in the possession of the Supervisor/Foremen and on the roof at all times.
 - E. It shall be the Contractor's responsibility to respond immediately to correction of roof leakage during construction.
 - F. Pre-application Roofing Conference: Approximately 2 weeks before scheduled commencement of modified bitumen sheet roof system and associated work, meet at Project site with Installer, installer of each component of associated work, installers of deck or substrate construction to receive roofing work, installers of rooftop units and other work if any), District Representative, roofing system manufacturer's representative, and other representatives directly concerned with performance of the Work, including (where applicable) Owner's insurers, test agencies, and governing authorities. Objectives to include:
 - 1. Review foreseeable methods and procedures related to roofing work.

2. Tour representative areas of roofing substrates (decks) inspect and discuss condition of substrate, roof drains, curbs, penetrations, and other preparatory work performed by other trades.
3. Review structural loading limitations of deck and inspect deck for loss of flatness and for required attachment.
4. Review roofing systems requirements (drawings, specifications, and other contract documents).
5. Review required submittals, both completed and yet to be completed.
6. Review and finalize construction schedule related to roofing work and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
7. Review required inspection, testing, certifying, and material usage accounting procedures.
8. Review weather and forecasted weather conditions and procedures for coping with unfavorable conditions, including possibility of temporary roofing (if not a mandatory requirement).
9. Record (contractor) discussion of conference, including decisions and agreements (or disagreements) reached, and furnishes copy of record to each party attending. If substantial disagreements exist at conclusion of conference, determine how disagreements will be resolved and set date for reconvening conference.
10. Review notification procedures for weather or non-working days.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Deliver products to site with seals and labels intact, in manufacturer's original containers, dry and undamaged.
- B. Store and handle roofing sheets in a dry, well-ventilated, weather-tight place to ensure no possibility of significant moisture exposure. Store rolls of felt and other sheet materials on pallets or other raised surface. Stand all roll materials on end. Cover all goods with a canvas tarpaulin or other breathable material (not polyethylene).
- C. Do not leave unused rolled goods on the roof overnight or when roofing work is not in progress unless protected from weather and other moisture sources.
- D. Handle and store materials or equipment in a manner to avoid significant or permanent deflection of deck.

1.8 Manufacturer's Inspections

- A. When the project is in progress, the Roofing System Manufacturer will provide the following:
 1. Keep the District Representative informed as to the progress and quality the work as observed.
 2. Provide daily job site inspections.
 3. Report to the District Representative/Architect in writing, any failure or refusal of the Contractor to correct unacceptable practices called to the Contractor's attention.

4. Confirm, after completion of the project and based on manufacturer's observations and tests, that manufacturer has observed no applications procedures in conflict with the specifications other than those that may have been previously reported and corrected.

1.9 PROJECT CONDITIONS

- A. Weather Condition Limitations: Do not apply roofing membrane during inclement weather or when a 40% chance of precipitation is expected.
- B. Do not apply roofing membrane to damp deck surface.
- C. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed during same day.
- D. Proceed with roofing work only when existing and forecasted weather conditions will permit unit of work to be installed in accordance with manufacturer's recommendations and warranty requirements.

1.10 SEQUENCING AND SCHEDULING

- A. Sequence installation of modified bituminous sheet roofing with related units of work specified in other sections to ensure that roof assemblies, including roof accessories, flashing, trim, and joint sealers, are protected against damage from effects of weather, corrosion, and adjacent construction activity.
- B. All work must be fully completed on each day. Phased construction will not be accepted. Contractor must glaze any exposed felts, before next day's work.

1.11 WARRANTY

- A. Membrane manufacturer, upon completion of installation, and acceptance by the District Representative, will supply to the Owner a 30-year partnership pledge warranty. Upon completion of installation, and acceptance by the owner all metal integrated base flashings, adhesive, modified sheet, wall cover panels, coping, shall be from single source of responsibility. All coping and metal accessories to be sourced, from The Membrane Manufacturer.
- B. Contractor will submit a minimum of a five-year labor warranty to the membrane manufacturer with a copy directly to District Representative.

PART 2 - PRODUCTS

2.1 GENERAL

- A. When a particular trade name or performance standard is specified it shall be indicative of a standard required.
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- C. Any item or materials submitted as an alternate to the manufacturer specified must comply in all respects as to the quality and performance, including job site investigation of the brand name specified.

2.2 BITUMINOUS MATERIALS

- A. Asphalt Primer: V.O.C. compliant, ASTM D-41.
- B. Asphalt Roofing Mastic: V.O.C. compliant, ASTM D-2822, and Type II.
- C. Asphalt: Shall meet ASTM Specification D-312 Type III.

2.3 SHEET MATERIALS

A. Felts Type VI Felts

- 1. Minimum 2 plies of ASTM D2178, Type VI glass fiber roofing felt bonded to prepared substrate with hot bitumen, to be sourced, and purchased from the membrane manufacturer.

B. Base Sheet minimum requirements:

	Machine Direction	Cross Machine Direction
1. Load Strain at 77 degrees F	100	100
2. Elongation at Max Load%	5	5
3. Tear Strength at 77 degrees F, lbf.	150	150

C. Mineral Cap Sheet (or Cap Sheet) minimum requirements:

	Machine Direction	Cross Machine Direction
1. Load Strain at 77 degrees F	100	100
2. Max Load, lbf.	3	3
3. Tear Strength at 77 degrees F	150	150
4. Compound Stability degrees F	Passes 225	

2.4 SURFACING

- A. Mineral Cap Sheet, will be coated with pyramic, Title 24 Coating at the rate of 1.5 gallon / 100 square feet, (2 Coats).

2.5 RELATED MATERIALS

- A. All flashings, (drip edge, wall flashings), shall be a high gloss white, steel flashing system with a self-ventilation, movement absorbing design. This shall be applicable for the drip edge, and base flashings, if their existing conditions are metal flashings. All base flashings, that have existing mineral cap sheet flashings, shall be replaced by Title 24 Mineral Cap sheet base flashings. If metal base flashings the flashing system shall be comprised of aluminum-zinc alloy steel. The modified sheet attached to the termination strip shall be either torched into the field membrane, or set in hot or cold adhesive. Sheet shall be pained, by the contractor with urethane coating, to be purchased from the membrane manufacturer. The installation shall be 1 gallon/100 square feet. 2 Coats are required. Metal wall cover panels, shall be stucco embossed, pre-fab wall cover panel designed for additional rigidity with no exposed fasteners. Panels shall have 13" coverage width (3" in S-Lock), up to 12 feet. Metal wall panels will be installed, by certified licensed membrane contractor. Metal wall panels will be warranted, and manufactured, by the modified membrane sheet manufacturer. All stucco walls are to be covered by wall covering panel,

with inside, and outside corner panels, which shall be (.0157 nom.) They will be pre-fab inside, and outside corner pieces for wall covering panels. (Female interlock each side accepts male edge of wall cover panel or adjoining corner panel.) New coping will be installed. All coping to be sourced, and warranted by the modified membrane manufacturer.

- B. Nails and Fasteners: Non-ferrous metal or galvanized steel, except that hard copper nails shall be used with copper; aluminum or stainless steel nails shall be used with aluminum; and stainless steel nails shall be used with stainless steel. Nails and fasteners shall be flush-driven through flat metal discs of not less than 1 inch diameter. Metal discs may be omitted when one piece composite nails or fasteners with heads not less than 1 inch diameter are used.
- C. Metal Discs: Flat discs or caps of zinc-coated sheet metal not lighter than 28 gauges and not less than 1 inch in diameter. Discs shall be formed to prevent dishing. Bell or cup-shaped caps are not acceptable.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrate surfaces to receive modified bitumen sheet roofing system and associated work and conditions under which roofing will be installed. Do not proceed with roofing until unsatisfactory conditions have been corrected in a manner acceptable to Installer.

3.2 INSTALLATION REQUIREMENTS

- A. Cooperate with manufacturer, inspection and test agencies engaged or required to perform services in connection with installing modified bitumen roofing system.
- B. Insurance/Code Compliance: Where required, install and test modified bitumen roofing system to comply with governing regulations and specified insurance requirements.
- C. Protect other work from spillage of modified bitumen roofing materials, and prevent liquid materials from entering or clogging drains and conductors. Replace or restore other work damaged by installations of modified bituminous roofing system work. Note: Where there are existing roof curbs that have been roofed, they are to be demolished, new decking installed, and to be re-roofed per specifications.
- D. Coordinate installing roofing system components so that insulation and roofing plies are not exposed to precipitation or left exposed overnight. Provide cut offs at end of each day's work to cover exposed ply sheets and insulation with two (2) plies of #15 organic felt set in full moppings of bitumen and with joints and edges sealed with roofing cement. Remove cut offs immediately before resuming work. Install new counter-flashing, furnished, and warranted by membrane manufacturer.
- E. Asphalt Bitumen Heating: Heat and apply bitumen according to EVT Method as recommended by NRCA. Do not raise temperature above minimum normal fluid-holding temperature necessary to attain EVT (plus 5 °F at point of application) more than 1 hour prior to time of application. Determine flash point, finished blowing temperature, EVT, and fire-safe handling temperature of bitumen either by information from manufacturer or by suitable test. Do not exceed recommended temperature limits during bitumen heating. Do not heat to a temperature higher than 25° below flash point. Discard bitumen that has been

held at temperature exceeding finishing blowing temperature (FBT) for more than 3 hours. Keep kettle lid closed except when adding bitumen.

- F. Bitumen; Mopping Weights: For interply mopping, apply bitumen at the rate of approximately 25 lbs of asphalt per roof square (plus or minus 25 percent on a total job average)
- G. Substrate joint penetrations: Prevent bitumen from penetrating substrate joints, entering building, or damaging roofing system components or adjacent building construction.
- H. Apply roofing materials as specified herein, unless recommended otherwise by manufacturer's instructions. Keep roof material dry before and during application. Do not permit phased construction. Complete application of roofing plies, modified sheet and flashing in a continuous operation. Begin and apply only as much roofing in one day as can be completed that same day. If phased construction is desired, roofing contractor shall glaze felts prior to leaving jobsite and beginning following day's work.
 - 1. (Metal Decks) Mechanically attach 2" of Polyisocyanurate insulation, into metal deck, with #12, or #14 olympic fastener, at the rate of 1 each every square foot. Then in Type III Asphalt, mop 1/2" fiberboard insulation, to ISO board at the rate of 25bs/ 100 square feet. Mop Base Sheet, Mop Type VI Felts, and Cap Sheet, with Pyramic Coating 1.5 gallons/ 100 square feet. (2 Coats) (As specified)
 - 2. (Structural Concrete Decks) Prime existing deck with Primer, at the rate of 1 gallon/ 100 square feet. Sprinkle Mop 1/2" fiberboard insulation, in Type III Asphalt. Mop Base Sheet, Mop Type VI Felts, and Cap Sheet, with Pyramic Coating 1.5 gallons/100 square feet. (2 Coats) (As specified)
 - 3. (Wood Decks). Roll out red rosin paper, then mechanically attach Base Sheet. Mop 2 ea. Type VI Felts, and Cap Sheet, with Pyramic Coating, 1.5 gallons/100 square feet. (2 Coats) (As specified)
 - 4. (Metal Decks with Lightweight Concrete) Mechanically attach 1" of Polyisocyanurate insulation, down through lightweight concrete, into metal deck, with #12 or #14 olympic fastener, at the rate of 1 every square foot. Mop 1/2" fiberboard insulation, in Type III Asphalt at the rate of 25 lbs/100 square feet. Mop Base Sheet. Mop 2 each Type VI Felts, and Cap Sheet, with Pyramic Coating 1.5 gallons/100 square feet. (2 Coats) (As specified).
 - 5. (If Applicable) all slopes of greater than 1-1/2:12 require back-nailing to prevent slippage of the ply sheets. Use ring or spiral shank one (1) inch cap nails, or screws and plates at a rate of one (1) fastener per ply (including the modified membrane), at each insulation stop. Place insulation stops at 16 ft o.c. for slopes less than 3:12 and (4) ft o.c. for slopes greater than 3:12. On non-insulated systems, nail each ply directly into the deck at the rate specified above. When slope exceeds 1:12, strapping plies is recommended to help prevent slippage. Install for (4) additional fasteners at the upper edge of the modified bitumen sheet when strapping the plies.
- I. Cut-Offs At end of each day's roofing installation, protect exposed edge of incomplete work, including ply sheets. Provide temporary covering of two plies of #15 organic roofing felt set in full moppings of bitumen with joins and edges sealed.
- J. All curbs extended shall be a minimum of 8 inches in height. New curbs, to be mechanically attached, with treated lumber, and Flashed with Base Flashing. Metal pans to be mechanically attached to curbs, and drip edge shall be 3.5 inches below field of curb.

- K. All designated conduit, shall be carefully lifted, during tear off process, and conduit will be placed on new wood blocks to match existing.

3.3 SAFETY REQUIREMENTS

- A. All application, material handling, and associated equipment shall conform to and be operated in conformance with OSHA safety requirements.
- B. Comply with federal, state, local, and fire, and safety requirements.
- C. Advise owner whenever work is expected to be hazardous to owner, employees, and/or operators.
- D. Maintain a crewman as a floor area guard whenever roof decking is being repaired or replaced.
- E. Maintain fire extinguisher within easy access whenever power tools are being used.

3.4 WASTE DISPOSAL

- A. Do not re-use, re-cycle or dispose of material manufacturer's product containers except in accordance with all applicable regulations. The user of manufactured products is responsible for proper use and disposal of product container. Asbestos material shall be treated in accordance with local codes.

3.5 CALIFORNIA PROPOSITION 65

- A. Contractor will post notices, make all communications and otherwise comply with California Proposition 65 requirements concerning notification of those who may be exposed to Prop 65 listed chemicals, as revised from time to time. Contractor will also comply with requirements concerning the safe use and handling of roofing material, including preventing vapors from entering buildings.

3.6 PREPARATION

- A. Contractor shall have sole responsibility of accuracy of all measurements and estimates of materials, quantities and sizes. Make sure roof is cleaned down to deck, and insulation.
- B. Plug all drains to prevent debris entry and remove all clamping rings and related materials and store for later re-installation. Install new drains, with lead flanges.
- C. Sweep deck clean to remove all dirt and debris and dispose of away from site.
- D. Deck Repair: Replace all defective decking with like materials, following manufacturer's recommendation.

3.7 FELT PLY INSTALLATION

- A. Mop base sheet and install (2) each Type VI felt sheets, in 25 lbs per square of bitumen shingled uniformly to achieve two plies throughout over the prepared substrate. Shingle in proper direction to shed water on each area of the roof.
- B. Lap ply sheet end eight inches (8"). Stagger end laps twelve inches (12") minimum.
- C. Extend plies two inches (2") beyond top edges of wall and projection bases.

- D. Install Drip Edge Flashings, base flashings, and wall cover panels.
 - E. Bond the modified membrane to the base layers with specified asphalt at the rate of 35lbs/100 square feet. The roll must push a puddle of asphalt in front of it with asphalt slightly visible at all side laps. Care should be taken to eliminate air entrapment under the membrane. Apply pressure to all seams to ensure that laps are solidly bonded to substrate. Subsequent rolls of modified membrane shall be installed across the roof, as above, with a minimum of four-inch (4") side laps and eight-inch (8") end laps. The end laps shall be staggered. The modified membrane shall be laid in the same direction as the underlayments, but the laps shall not coincide with the laps of the base layers. Apply asphalt no more than five feet ahead of each roll being embedded. The modified membrane will be coated with pyramic Title 24 Coating, at the rate of 1.5 gallons per 100 square feet. (2 Coats)
- 3.8 PLUMBING STACK, AND ALL OTHER MISCELLANEOUS STACKS
- A. Minimum stack height is twelve inches.
 - B. Run roof system over the roof. Seal the base of the stack with elastomeric sealant.
 - C. Prime flange of new sleeve. Install properly-sized sleeves set in a 1/4" base of elastomeric sealant.
 - D. Install base flashing ply bitumen.
 - E. Install modified membrane in bitumen.
 - F. Caulk the intersection of the membrane and the base flashing with elastomeric sealant.
 - G. Turn sleeve a minimum of one inch down inside of stack.
- 3.9 SCUPPER THROUGH WALL
- A. Inspect the nailer to assure proper attachment and configuration.
 - B. Run one ply over nailer up the overflow, in the scupper hole and flash up. Install a scupper box in 1/4-inch bed of mastic. Assure all box seams are soldered and have a minimum four (4) -inch flange. Make sure all corners are closed and soldered. Prime scupper at a rate of one hundred square feet per gallon and allow to dry. Fasten flange of scupper box every three inches o.c. staggered. Strip in flange of scupper box with base flashing ply covering entire area with six-inch overlap on to the field of the roof and wall flashing. Install a second ply of modified flashing ply in bitumen over the base flashing ply, nine inches on to the field of the roof. Apply a three-course application of mastic and mesh at all seams.
- 3.10 ROOF DRAIN
- A. Plug drain to prevent debris from entering plumbing
 - B. Install to drain minimum of twenty four inches from center of drain.
 - C. Run roof system plies over drain. Cut out plies inside drain bowl.
 - D. Set lead/copper flashing (30-inch square minimum) in 1/4-inch bed of mastic. Run lead/copper into drain a minimum of two inches. Prime lead/copper at a rate of one hundred square feet per gallon, and allow to dry. Install base flashing 40-inch square minimum in bitumen. Install clamping ring and assure that all plies are under the clamping ring. Remove drain plug and install strainer.

3.11 HEAT STACK

- A. Minimum stack height is twelve inches
- B. Run roof system over the entire surface of the roof. Seal the base of the stack with elastomeric sealant.
- C. Prime flange of new sleeve. Install properly sized sleeves set in 1/4-inch bed of roof cement.
- D. Install base flashing ply in bitumen.
- E. Install modified membrane in bitumen.
- F. Caulk the intersection of the membrane with elastomeric sealant.
- G. Install new collar over cape. Weld collar or install stainless steel draw band.

3.12 CLEANING

- A. Remove drippage of bitumen from all walls, windows, floors, ladders and finished surfaces.
- B. In areas where finished surfaces are soiled by asphalt or any other sources of soiling caused by work of this section, consult manufacturer of surfaces for cleaning advice and conform to their instructions.

3.13 FINAL INSPECTION

- A. At completion of roofing installation and associated work, meet with installer, installers of associated work, district representative, roofing system manufacturer's representative and other representatives directly concerned with the performance of the roofing system.
- B. Walk roof surface areas of the building, inspect perimeter building edges as well as flashing of roof penetrations, walls, curbs and other equipment. List all items requiring correction or completion and furnish copy of list to each representative attending inspection.
- C. The roofing system manufacturer reserves the right to request a thermographic scan of roof during final inspection to determine if any damp or wet materials have been installed. The thermographic scan shall be provided by the roofing contractor at roofing contractor's expense.
- D. Repair, or replace, as required, deteriorated or defective work found at time of inspection to a condition free of damage and deterioration at time of substantial completion and according to warranty requirements.
- E. The contractor is to notify the district's facilities department upon completion of corrections.
- F. Following the final inspection, acceptance will be made in writing by the material manufacturer.

END OF SECTION

07 53 23 – ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Adhered ethylene-propylene-diene-terpolymer (EPDM) roofing system.
2. Loosely laid and ballasted, ethylene-propylene-diene-terpolymer (EPDM) roofing system.
3. Substrate board.
4. Vapor/air retarder.
5. Roof insulation.
6. Cover board.
7. Walkways.

B. Related Requirements:

1. Section 061053 "Miscellaneous Rough Carpentry" for wood nailers, curbs, and blocking; and for wood-based, structural-use roof deck panels.
2. Section 076200 "Sheet Metal Flashing and Trim" for metal roof flashings and counterflashings.
3. Section 079200 "Joint Sealants" for joint sealants, joint fillers, and joint preparation.

1.2 DEFINITIONS

A. Roofing Terminology: Refer to the following publications for definitions of roofing work related terms used in this Section:

1. ASTM D 1079 "Terminology Relating to Roofing and Waterproofing."
2. Glossary of NRCA's "The NRCA Roofing and Waterproofing Manual."
3. Roof Consultants Institute "Glossary of Roofing Terms."

B. Sheet Metal Terminology and Techniques: SMACNA Architectural Sheet Metal Manual.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Roofing Conference: Conduct conference at Project site.

1. Meet with Owner, Architect, Owner's insurer if applicable, testing and inspecting agency representative, roofing Installer, roofing system manufacturer's representative, deck Installer, air barrier Installer, and installers whose work interfaces with or affects roofing, including installers of roof accessories and roof-mounted equipment.
2. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
3. Review and finalize construction schedule, and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
4. Examine deck substrate conditions and finishes, including flatness and fastening.
5. Review structural loading limitations of roof deck during and after roofing.
6. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that affects roofing system.
7. Review governing regulations and requirements for insurance and certificates if applicable.
8. Review temporary protection requirements for roofing system during and after installation.
9. Review roof observation and repair procedures after roofing installation.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. For insulation and roof system component fasteners, include copy of FM Approvals' RoofNav listing.

B. Sustainable Design Submittals:

1. Product Test Reports: For roof materials, documentation indicating that roof materials comply with Solar Reflectance Index requirements.
2. Product Data: For adhesives and sealants, indicating VOC content.
3. Laboratory Test Reports: For adhesives and sealants, indicating compliance with requirements for low-emitting materials.

- C. Shop Drawings: Include roof plans, sections, details, and attachments to other work, including the following:
 - 1. Layout and thickness if insulation.
 - 2. Base flashings and membrane terminations.
 - 3. Flashing details at penetrations.
 - 4. Tapered insulation, thickness, and slopes.
 - 5. Roof plan showing orientation of steel roof deck and orientation of roof membrane and fastening spacings and patterns for mechanically fastened roofing system.
 - 6. Insulation fastening patterns for corner, perimeter, and field-of-roof locations.
- D. Samples for Verification: For the following products:
 - 1. Roof membrane and flashings of color required.
- E. Wind Uplift Resistance Submittal: For roofing system, indicating compliance with wind uplift performance requirements.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and manufacturer.
- B. Manufacturer Certificates:
 - 1. Performance Requirement Certificate: Signed by roof membrane manufacturer, certifying that roofing system complies with requirements specified in "Performance Requirements" Article.
 - a. Submit evidence of complying with performance requirements.
 - 2. Special Warranty Certificate: Signed by roof membrane manufacturer, certifying that all materials supplied under this Section are acceptable for special warranty.
- C. Product Test Reports: For components of roof membrane and insulation, for tests performed by a qualified testing agency, indicating compliance with specified requirements.
- D. Evaluation Reports: For components of roofing system, from ICC-ES.
 - 1. Field Test Reports:
 - 2. Concrete internal relative humidity test reports.
 - 3. Fastener-pullout test results and manufacturer's revised requirements for fastener patterns.

- E. Field quality-control reports.
- F. Sample Warranties: For manufacturer's special warranties.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For roofing system to include in maintenance manuals.
- B. Certified statement from existing roof membrane manufacturer stating that existing roof warranty has not been affected by Work performed under this Section.

1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that is listed in FM Approvals' RoofNav for roofing system identical to that used for this Project.
- B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
 - 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
- D. Handle and store roofing materials, and place equipment in a manner to avoid permanent deflection of deck.

1.9 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.

1.10 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period.
 - 1. Special warranty includes roof membrane, base flashings, roof insulation, fasteners, cover boards, substrate board, and other components of roofing system.
 - 2. Warranty Period: 20 years from Date of Substantial Completion. No Dollar Limit.
- B. Special Project Warranty: Submit roofing Installer's warranty, on warranty form at end of this Section, signed by Installer, covering the Work of this Section, including all components of roofing system such as roof membrane, base flashing, roof insulation, fasteners, cover boards, substrate boards, and walkway products, for the following warranty period:
 - 1. Warranty Period: Two years from Date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - 1. Carlisle SynTec Incorporated.
 - 2. Firestone Building Products.
 - 3. Gen Flex Roofing Systems.
 - 4. Johns Manville; a Berkshire Hathaway Company.
 - 5. Or equal.

See Editing Instruction No. 1 in the Evaluations for cautions about named manufacturers and products. For an explanation of options and Contractor's product selection procedures, see Section 016000 "Product Requirements." PERFORMANCE REQUIREMENTS

- A. General Performance: Installed roofing system and base flashings shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Roofing and flashings shall remain watertight.
 - 1. Accelerated Weathering: Roof membrane shall withstand 2000 hours of exposure when tested according to ASTM G 152, ASTM G 154, or ASTM G 155.

- B. Material Compatibility: Roofing materials shall be compatible with one another and adjacent materials under conditions of service and application required, as demonstrated by roof membrane manufacturer based on testing and field experience.
- C. Wind Uplift Performance: Roofing system shall be identical to systems that have been successfully tested by a qualified testing and inspecting agency to resist wind uplift pressure calculated in accordance with ASCE-7. Meeting the manufacturers uplift requirements for issuance of the specified NDL Guarantee.
- D. FM Approvals' RoofNav Listing: Roof membrane, base flashings, and component materials shall comply with requirements in FM Approvals 4450 or FM Approvals 4470 as part of a roofing system, and shall be listed in FM Approvals' RoofNav for Class 1 or noncombustible construction, as applicable. Identify materials with FM Approvals Certification markings.
 - 1. Fire/Windstorm Classification: Class 1A-60.
 - 2. Hail-Resistance Rating: MH.
- E. Energy Performance: Roofing products shall be compliant with 2016 California Energy Code, Title 24, Part 6 and 2016 California Green Building Standards Code, Title 24, Part 8; "Cool Roof", tested and labeled by the Cool Roof Rating Council (CRRC).
 - 1. Low-sloped roof Climate zone 1-16: Minimum 3-yr. aged Solar Reflectance: 0.63 Minimum Thermal Emittance: 0.75 or minimum SRI value of 75.
 - 2. Steep-sloped roof Climate zone 1-16: Minimum 3-yr. aged Solar Reflectance: 0.20 Minimum Thermal Emittance: 0.75 or minimum SRI value of 16.
- F. Exterior Fire-Test Exposure: ASTM E 108 or UL 790, Class A ; for application and roof slopes indicated; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

2.3 ETHYLENE-PROPYLENE-DIENE-TERPOLYMER (EPDM) ROOFING

- A. Fabric-Backed EPDM Sheet: ASTM D 4637/D 4637M, Type III, nonreinforced, EPDM sheet, laminated to a nonwoven polyester fabric backing except at selvages with factory-applied seam tape.
 - 1. Composite Thickness: 90 mils (2.3 mm), nominal.
 - 2. Exposed Face Color: White on black.
 - 3. Source Limitations: Obtain components for roofing system from roof membrane manufacturer or manufacturers approved by roof membrane manufacturer.

2.4 AUXILIARY ROOFING MATERIALS

- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with other roofing components.

1. Adhesive and Sealants: Comply with VOC limits of authorities having jurisdiction.
- B. Sheet Flashing: 60-mil- (1.5-mm-) thick EPDM, partially cured or cured, according to application.
- C. Slip Sheet: Manufacturer's standard, of thickness required for application.
- D. Prefabricated Pipe Flashings: As recommended by roof membrane manufacturer.
- E. Roof Vents: As recommended by roof membrane manufacturer.
 1. Size: Not less than 4-inch (100 mm) diameter.
- F. Water-Based, Fabric-Backed Membrane Adhesive: Roofing system manufacturer's standard water-based, cold-applied adhesive formulated for compatibility and use with fabric-backed membrane roofing.
- G. Seaming Material: Manufacturer's standard, synthetic-rubber polymer primer and 3-inch- (75-mm-) wide minimum, butyl splice tape with release film.
- H. Lap Sealant: Manufacturer's standard, single-component sealant, colored to match membrane roofing.
- I. Water Cutoff Mastic: Manufacturer's standard butyl mastic sealant.
- J. Metal Termination Bars: Manufacturer's standard, predrilled stainless steel or aluminum bars, approximately 1 by 1/8 inch (25 by 3 mm) thick; with anchors.
- K. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening components to substrate, and acceptable to roofing system manufacturer.
- L. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, molded pipe boot flashings, preformed inside and outside corner sheet flashings, reinforced EPDM securement strips, T-joint covers, in-seam sealants, termination reglets, cover strips, and other accessories.
 1. Provide white flashing accessories for white EPDM membrane roofing.

2.5 SUBSTRATE BOARDS

- A. Substrate Board: ASTM C 1396/C 1396M, Type X gypsum board.
 1. Thickness: 5/8 inch (16 mm).
- B. Substrate Board: ASTM C 1177/C 1177M, glass-mat, water-resistant gypsum board or ASTM C 1278/C 1278M, fiber-reinforced gypsum board.
 1. Thickness: 1/2 inch (13 mm).

2. Surface Finish: Factory primed.

C. Substrate Board: ASTM C 728, perlite board; seal coated.

1. Thickness: 3/4 inch (19 mm).

D. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening substrate panel to roof deck.

2.6 VAPOR/AIR RETARDER

A. Polyethylene Film: ASTM D 4397, 10 mils (0.25 mm) thick, minimum, with maximum permeance rating of 0.13 perm (0.084 metric perm).

1. Adhesive: Manufacturer's standard lap adhesive, listed by FM Approvals for vapor/air retarder application.

2.7 ROOF INSULATION

A. General: Preformed roof insulation boards manufactured or approved by EPDM roof membrane manufacturer, approved for use in FM Approvals' RoofNav-listed roof assemblies.

B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 2, felt or glass-fiber mat facer on both major surfaces.

1. Provide rigid insulation with minimum LTTR R-value of 5.6 per inch ASTM C 1289-2014.

2. Compressive Strength: 25 psi (172 kPa).

3. Thickness: Refer to Drawings.

a. Base Layer: [1-1/2 inches (38 mm)] <Insert thickness>.

b. Upper Layer: <Insert thickness>.

C. Tapered Insulation: Provide factory-tapered insulation boards.

1. Material: Match roof insulation.

2. Minimum Thickness: 1/4 inch (6.35 mm).

3. Slope:

a. Roof Field: 1/4 inch per foot (1:48) unless otherwise indicated on Drawings.

b. Saddles and Crickets: 1/2 inch per foot (1:24) unless otherwise indicated on Drawings.

2.8 INSULATION ACCESSORIES

- A. General: Roof insulation accessories recommended by insulation manufacturer for intended use and compatibility with other roofing system components.
- B. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening roof insulation and cover boards to substrate, and acceptable to roofing system manufacturer.
- C. Insulation Adhesive: Insulation manufacturer's recommended adhesive formulated to attach roof insulation to substrate or to another insulation layer as follows:
- D. Cover Board: ASTM C 1177/C 1177M, glass-mat, water-resistant gypsum substrate, or ASTM C 1278/C 1278M, fiber-reinforced gypsum board.
 - 1. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - a. Certainteed; GlasRoc.
 - b. Georgia-Pacific Building Products; DensDeck.
 - c. National Gypsum Company; DEXcell FA.
 - d. USG Corporation; Securock Glass Mat Roof Board.
 - e. Or equal.
 - 2. Thickness: [1/4 inch (6 mm)].
 - 3. Surface Finish: Factory primed.

2.9 BALLAST

- A. Aggregate Ballast: Smooth, washed, riverbed gravel or other acceptable smooth-faced stone that withstands weather exposure without significant deterioration and does not contribute to membrane degradation, of the following size:
 - 1. Size: ASTM D 448, Size 3, ranging in size from 1 to 2 inches (25 to 50 mm).

2.10 WALKWAYS

- A. Flexible Walkways: Factory-formed, nonporous, heavy-duty, slip-resisting, surface-textured walkway pads or rolls, approximately 3/16 inch (5 mm) thick and acceptable to roofing system manufacturer.
 - 1. Size: Approximately 36 by 60 inches (914 by 1524 mm).
 - 2. Color: Contrasting with roof membrane.

- B. Walkway Roof Pavers: Heavyweight, hydraulically pressed concrete units, with top edges beveled 3/16 inch (5 mm), factory cast for use as roof pavers; absorption not greater than 5 percent, ASTM C 140/C 140M; no breakage and maximum 1 percent mass loss when tested for freeze-thaw resistance, ASTM C 67; and as follows:
1. Size: 24 by 24 inches (600 by 600 mm). Manufacture pavers to dimensional tolerances of plus or minus 1/16 inch (1.6 mm) in length, height, and thickness.
 2. Weight: 18 lb/sq. ft. (90 kg/sq. m).
 3. Compressive Strength: 6500 psi (45 MPa), minimum.
 4. Colors and Textures: As selected by Architect from manufacturer's full range.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.
1. Verify that roof openings and penetrations are in place, curbs are set and braced, and roof-drain bodies are securely clamped in place.
 2. Verify that wood blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
 3. Verify that surface plane flatness and fastening of steel roof deck complies with requirements in Section 053100 "Steel Decking."
 4. Verify that minimum concrete drying period recommended by roofing system manufacturer has passed.
 5. Verify that concrete substrate is visibly dry and free of moisture, and that minimum concrete internal relative humidity is not more than 75 percent, or as recommended by roofing system manufacturer when tested according to ASTM F 2170.
 - a. Test Frequency: One test probe per each 1000 sq. ft. (93 sq. m), or portion thereof, of roof deck, with not less than three test probes.
 - b. Submit test reports within 24 hours of performing tests.
 6. Verify that concrete-curing compounds that will impair adhesion of roofing components to roof deck have been removed.
 7. Verify that minimum curing period recommended by roof system manufacturer for lightweight insulating concrete roof decks has passed.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing system installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.
- C. Perform fastener-pullout tests according to roof system manufacturer's written instructions.
 - 1. Submit test result within 24 hours of performing tests.
 - a. Include manufacturer's requirements for any revision to previously submitted fastener patterns required to achieve specified wind uplift requirements.
- D. Confirm all HVAC units and other equipment supported by curbs conform with the following:
 - 1. Curbs are required to provide a minimum 8" base flashing height measured from the surface of the new membrane to the top of the flashing membrane.
 - 2. Nail top of flashing and install new metal counterflashing prior to installation of unit.
 - 3. Perimeter nailers must be elevated to match elevation of roof insulation.

3.3 ROOFING INSTALLATION, GENERAL

- A. Install roofing system according to roofing system manufacturer's written instructions, FM Approvals' RoofNav assembly requirements, and FM Global Property Loss Prevention Data Sheet 1-29.
- B. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system at end of workday or when rain is forecast. Remove and discard temporary seals before beginning work on adjoining roofing.
- C. Install roof membrane and auxiliary materials to tie in to existing roofing to maintain weathertightness of transition and to not void warranty for existing roofing system.

3.4 SUBSTRATE BOARD INSTALLATION

- A. Install substrate board with long joints in continuous straight lines, with end joints staggered not less than 24 inches (610 mm) in adjacent rows.
 - 1. At steel roof decks, install substrate board at right angle to flutes of deck.
 - a. Locate end joints over crests of steel roof deck.

2. Tightly butt substrate boards together.
3. Cut substrate board to fit tight around penetrations and projections, and to fit tight to intersecting sloping roof decks.
4. Fasten substrate board to top flanges of steel deck according to recommendations in FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification.

3.5 VAPOR/AIR RETARDER INSTALLATION

- A. Provide vapor/air barrier where air leakage from interior can occur through roof substrate; such as wood, wood panel or metal deck. Do not install where vapor/air barrier is not a part of listed roof assembly, or where roofing manufacturer's installation instructions do not require vapor/air barrier.
- B. Polyethylene Film: Loosely lay polyethylene-film vapor retarder in a single layer over area to receive vapor retarder, side and end lapping each sheet a minimum of 2 and 6 inches (50 and 150 mm), respectively.
 1. Extend vertically up parapet walls and projections to a minimum height equal to height of insulation and cover board.
 2. Continuously seal side and end laps with adhesive.
- C. Completely seal vapor retarder at terminations, obstructions, and penetrations to prevent air movement into roofing system.

3.6 INSULATION INSTALLATION

- A. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at end of workday.
- B. Comply with roofing system and insulation manufacturer's written instructions for installing roof insulation.
- C. Installation Over Metal Decking:
 1. Install base layer of insulation with end joints staggered not less than 12 inches (305 mm) in adjacent rows and with long joints continuous at right angle to flutes of decking.
 - a. Locate end joints over crests of decking.
 - b. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.

- c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay base layer of insulation units over substrate.
 - i. Mechanically attach base layer of insulation and substrate board using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to metal decks.
 - 1) Fasten insulation according to requirements in FM Approvals' RoofNav for specified Windstorm Resistance Classification.
 - 2) Fasten insulation to resist specified uplift pressure at corners, perimeter, and field of roof.
2. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 12 inches (305 mm) from previous layer of insulation.
- a. Staggered end joints within each layer not less than 24 inches (610 mm) in adjacent rows.
 - b. Install with long joints continuous and with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - f. Trim insulation so that water flow is unrestricted.
 - g. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - h. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.

- i. Loosely lay each layer of insulation units over substrate.
 - j. Adhere each layer of insulation to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
- D. Installation Over Wood Panel Decking:
- 1. Mechanically fasten slip sheet to roof deck using mechanical fasteners specifically designed and sized for fastening slip sheet to wood panel decks.
 - a. Fasten slip sheet according to requirements in FM Approvals' RoofNav for specified Windstorm Resistance Classification.
 - b. Fasten slip sheet to resist specified uplift pressure at corners, perimeter, and field of roof.
 - 2. Install base layer of insulation with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - a. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
 - b. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - c. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - d. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - e. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - f. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - g. Loosely lay base layer of insulation units over substrate.
 - h. Mechanically attach base layer of insulation and substrate board using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to wood panel decks.

- 1) Fasten insulation according to requirements in FM Approvals' RoofNav for specified Windstorm Resistance Classification.
 - 2) Fasten insulation to resist specified uplift pressure at corners, perimeter, and field of roof.
3. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 12 inches (305 mm) from previous layer of insulation.
 - a. Staggered end joints within each layer not less than 24 inches (610 mm) in adjacent rows.
 - b. Install with long joints continuous and with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay each layer of insulation units over substrate.
 - i. Adhere each layer of insulation to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Set each layer of insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - 2) Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 3) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

E. Installation Over Concrete Decks:

1. Install base layer of insulation with end joints staggered not less than 12 inches (305 mm) in adjacent rows.

- a. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
 - b. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - c. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - d. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - e. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - f. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - g. Loosely lay base layer of insulation units over substrate.
 - h. Adhere base layer of insulation to concrete roof deck according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Prime surface of concrete deck with asphalt primer at rate of 3/4 gal./100 sq. ft. (0.3 L/sq. m), and allow primer to dry.
 - 2) Set insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - 3) Set insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 4) Set insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
2. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 12 inches (305 mm) from previous layer of insulation.
- a. Staggered end joints within each layer not less than 24 inches (305 mm) in adjacent rows.
 - b. Install with long joints continuous and with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.

- e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water is unrestricted.
 - f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay each layer of insulation units over substrate.
 - i. Adhere each layer of insulation to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Set each layer of insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - 2) Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 3) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
- F. Installation Over Lightweight Insulating Concrete Roof Decks:
- 1. Mechanically fasten vented base sheet to lightweight insulating concrete, with vented side down, using mechanical fasteners specifically designed and sized for fastening to lightweight insulating concrete roof decks.
 - a. Fasten vented base sheet according to requirements in FM Approvals' RoofNav for specified Windstorm Resistance Classification.
 - 2. Install base layer of insulation with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - a. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
 - b. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - c. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - d. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.

- e. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - f. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - g. Loosely lay base layer of insulation units over substrate.
 - h. Adhere base layer of insulation to vented base sheet according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Set insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - 2) Set insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 3) Set insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
3. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 12 inches (305 mm) from previous layer of insulation.
- a. Staggered end joints within each layer not less than 24 inches (610 mm) in adjacent rows.
 - b. Install with long joints continuous and with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay each layer of insulation units over substrate.
 - i. Adhere each layer of insulation to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:

- 1) Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
- 2) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

3.7 INSTALLATION OF COVER BOARDS

- A. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered between rows. Offset joints of insulation below a minimum of 6 inches (150 mm) in each direction.
 1. Trim cover board neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 2. At internal roof drains, conform to slope of drain sump.
 - a. Trim cover board so that water flow is unrestricted.
 3. Cut and fit cover board tight to nailers, projections, and penetrations.
 4. Loosely lay cover board over substrate.
 5. Adhere cover board to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - a. Set cover board in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - b. Set cover board in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - c. Set cover board in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
- B. Install slip sheet over cover board and immediately beneath roofing.

3.8 ADHERED ROOFING INSTALLATION

- A. Adhere roof membrane over area to receive roofing according to roofing system manufacturer's written instructions.
- B. Unroll membrane roof membrane and allow to relax before installing.
- C. Start installation of roofing in presence of roofing system manufacturer's technical personnel and Owner's testing and inspection agency.
- D. Accurately align roof membrane, and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.

- E. Bonding Adhesive: Apply to substrate and underside of roof membrane at rate required by manufacturer, and allow to partially dry before installing roof membrane. Do not apply to splice area of roof membrane.
- F. Fabric-Backed Roof Membrane Adhesive: Apply to substrate at rate required by manufacturer, and install fabric-backed roof membrane.
- G. In addition to adhering, mechanically fasten roof membrane securely at terminations, penetrations, and perimeters.
- H. Apply roof membrane with side laps shingled with slope of roof deck where possible.
- I. Adhesive Seam Installation: Clean both faces of splice areas, apply splicing cement.
 - 1. Firmly roll side and end laps of overlapping roof membrane to ensure a watertight seam installation.
 - 2. Apply lap sealant and seal exposed edges of roofing terminations.
 - 3. Apply a continuous bead of in-seam sealant before closing splice if required by roofing system manufacturer.
- J. Tape Seam Installation: Clean and prime both faces of splice areas, apply splice tape.
 - 1. Firmly roll side and end laps of overlapping roof membrane to ensure a watertight seam installation.
 - 2. Apply lap sealant and seal exposed edges of roofing terminations.
- K. Factory-Applied Seam Tape Installation: Clean and prime surface to receive tape.
 - 1. Firmly roll side and end laps of overlapping roof membrane to ensure a watertight seam installation.
 - 2. Apply lap sealant and seal exposed edges of roofing terminations.
- L. Repair tears, voids, and lapped seams in roof membrane that do not comply with requirements.
- M. Spread sealant or mastic bed over deck-drain flange at roof drains, and securely seal roof membrane in place with clamping ring.
- N. Adhere protection sheet over roof membrane at locations indicated.

3.9 LOOSELY LAID AND BALLASTED MEMBRANE ROOFING INSTALLATION

- A. Loosely lay roof membrane over area to receive roofing according to roofing system manufacturer's written instructions.
- B. Unroll roof membrane and allow to relax before installing.

- C. Comply with requirements in SPRI RP-4 for System 1.
- D. Start installation of roofing in presence of roofing system manufacturer's technical personnel and Owner's testing and inspection agency.
- E. Accurately align roof membrane, without stretching, and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.
- F. Mechanically fasten or adhere perimeter of roof membrane according to requirements in SPRI RP-4.
- G. Apply roof membrane with side laps shingled with slope of deck where possible.
- H. Adhesive Seam Installation: Clean both faces of splice areas, apply splicing cement.
 - 1. Firmly roll side and end laps of overlapping roof membrane to ensure a watertight seam installation.
 - 2. Apply lap sealant and seal exposed edges of roofing terminations.
- I. Tape Seam Installation: Clean and prime both faces of splice areas, apply splice tape.
 - 1. Firmly roll side and end laps of overlapping roof membrane to ensure a watertight seam installation.
 - 2. Apply lap sealant and seal exposed edges of roofing terminations.
- J. Factory-Applied Seam Tape Installation: Clean and prime surface to receive tape.
 - 1. Firmly roll side and end laps of overlapping roof membrane to ensure a watertight seam installation.
 - 2. Apply lap sealant and seal exposed edges of roofing terminations.
- K. Leave seams uncovered until inspected by roofing system manufacturer and Owner's testing agency.
- L. Repair tears, voids, and lapped seams in roof membrane that do not comply with requirements.
- M. Spread sealant or mastic bed over deck-drain flange at roof drains, and securely seal roof membrane in place with clamping ring.
- N. Install protection mat over roof membrane at walkway pavers, overlapping a minimum of 6 inches (150 mm). Install an additional protection mat layer at projections, pipes, vents, and drains, overlapping a minimum of 12 inches (300 mm).
- O. Aggregate Ballast: Apply uniformly over roof membrane at the rate required by roofing system manufacturer, but not less than the following, spreading with care to minimize possibility of damage to roofing system. Lay ballast as roof membrane is installed, leaving roof membrane ballasted at end of workday.

1. Ballast Weight: Size 3 aggregate, <Insert weight>, at corners, <Insert weight> at perimeter, and <Insert weight>, elsewhere.

3.10 BASE FLASHING INSTALLATION

- A. Install sheet flashings and preformed flashing accessories, and adhere to substrates according to roofing system manufacturer's written instructions.
- B. Apply bonding adhesive to substrate and underside of sheet flashing at required rate, and allow to partially dry. Do not apply to seam area of flashing.
- C. Flash penetrations and field-formed inside and outside corners with cured or uncured sheet flashing.
- D. Clean splice areas, apply splicing cement, and firmly roll side and end laps of overlapping sheets to ensure a watertight seam installation. Apply lap sealant and seal exposed edges of sheet flashing terminations.
- E. Terminate and seal top of sheet flashings and mechanically anchor to substrate through termination bars.

3.11 COATING INSTALLATION

- A. Apply coatings to roof membrane and base flashings according to manufacturer's written recommendations, by spray, roller, or other suitable application method.

3.12 WALKWAY INSTALLATION

- A. Flexible Walkways: Install walkway products according to manufacturer's written instructions.
 1. Install flexible walkways at the following locations:
 - a. Perimeter of each rooftop unit.
 - b. Between each rooftop unit location, creating a continuous path connecting rooftop unit locations.
 - c. Between each roof hatch and each rooftop unit location or path connecting rooftop unit locations.
 - d. Top and bottom of each roof access ladder.
 - e. Between each roof access ladder and each rooftop unit location or path connecting rooftop unit locations.
 - f. Locations indicated on Drawings.

- g. As required by roof membrane manufacturer's warranty requirements.
 - 2. Provide 6-inch (76-mm) clearance between adjoining pads.
 - 3. Adhere walkway products to substrate with compatible adhesive according to roofing system manufacturer's written instructions.
- B. Roof-Paver Walkways: Install walkway roof pavers according to manufacturer's written instructions.
- 1. Install roof paver walkways at the following locations:
 - a. Perimeter of each rooftop unit.
 - b. Between each rooftop unit location, creating a continuous path connecting rooftop unit locations.
 - c. Between each roof hatch and each rooftop unit location or path connecting rooftop unit locations.
 - d. Top and bottom of each roof access ladder.
 - e. Between each roof access ladder and each rooftop unit location or path connecting rooftop unit locations.
 - f. Locations indicated on Drawings.
 - g. As required by roof membrane manufacturer's warranty requirements.
 - 2. Provide 3 inches (75 mm) of space between adjacent roof pavers.

3.13 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to inspect substrate conditions, surface preparation, roof membrane application, sheet flashings, protection, and drainage components, and to furnish reports to Architect.
- B. Owner will engage a qualified testing agency to perform the following tests:
 - 1. Flood Testing: Flood test each roofing area for leaks, according to recommendations in ASTM D 5957, after completing roofing and flashing. Install temporary containment assemblies, plug or dam drains, and flood with potable water.
 - a. Perform tests before overlying construction is placed.
 - b. Flood to an average depth of 2-1/2 inches (65 mm) with a minimum depth of 1 inch (25 mm) and not exceeding a depth of 4 inches (100 mm). Maintain 2 inches (50 mm) of clearance from top of base flashing.
 - c. Flood each area for 24 hours.

- d. After flood testing, repair leaks, repeat flood tests, and make further repairs until roofing and flashing installations are watertight.
 - 1) Cost of retesting is Contractor's responsibility.
 - e. Testing agency shall prepare survey report indicating locations initial leaks, if any, and final survey report.
2. Low-Voltage Electrical Conductance Testing: Testing agency shall survey entire roof area and flashings to locate discontinuity in the roof membrane using an exposed metal electrical loop to create an electrical field tested with handheld probes or a scanning platform with integral perimeter electrical loops creating a complete electrical field.
- a. Perform tests before overlying construction is placed.
 - b. After testing, repair areas of discontinuities, repeat tests, and make further repairs until roofing and flashing installations are contiguous.
 - 1) Cost of retesting is Contractor's responsibility.
 - c. Testing agency shall prepare survey report indicating locations of initial discontinuities, if any.
- C. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion, in presence of Architect, and to prepare inspection report.
- D. Repair or remove and replace components of roofing system where inspections indicate that they do not comply with specified requirements.
- E. Additional testing and inspecting, at Contractor's expense, will be performed to determine if replaced or additional work complies with specified requirements.

3.14 PROTECTING AND CLEANING

- A. Protect roofing system from damage and wear during remainder of construction period. When remaining construction does not affect or endanger roofing system, inspect roofing system for deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.
- B. Correct deficiencies in or remove roofing system that does not comply with requirements, repair substrates, and repair or reinstall roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

3.15 ROOFING INSTALLER'S WARRANTY

- A. WHEREAS _____ of _____, herein called the "Roofing Installer," has performed roofing and associated work ("work") on the following project:
1. Owner: <Insert name of Owner>.
 2. Address: <Insert address>.
 3. Building Name/Type: <Insert information>.
 4. Address: <Insert address>.
 5. Area of Work: <Insert information>.
 6. Acceptance Date: _____.
 7. Warranty Period: <Insert time>.
 8. Expiration Date: _____.
- B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant said work against leaks and faulty or defective materials and workmanship for designated Warranty Period,
- C. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period Roofing Installer will, at Roofing Installer's own cost and expense, make or cause to be made such repairs to or replacements of said work as are necessary to correct faulty and defective work and as are necessary to maintain said work in a watertight condition.
- D. This Warranty is made subject to the following terms and conditions:
1. Specifically excluded from this Warranty are damages to work and other parts of the building, and to building contents, caused by:
 - a. lightning;
 - b. peak gust wind speed exceeding <Insert mph (m/s)>;
 - c. fire;
 - d. failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
 - e. faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
 - f. vapor condensation on bottom of roofing; and

- g. activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.
 2. When work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.
 3. Roofing Installer is responsible for damage to work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of work.
 4. During Warranty Period, if Owner allows alteration of work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this Warranty shall become null and void on date of said alterations, but only to the extent said alterations affect work covered by this Warranty. If Owner engages Roofing Installer to perform said alterations, Warranty shall not become null and void unless Roofing Installer, before starting said work, shall have notified Owner in writing, showing reasonable cause for claim, that said alterations would likely damage or deteriorate work, thereby reasonably justifying a limitation or termination of this Warranty.
 5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a promenade, work deck, spray-cooled surface, flooded basin, or other use or service more severe than originally specified, this Warranty shall become null and void on date of said change, but only to the extent said change affects work covered by this Warranty.
 6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect work and to examine evidence of such leaks, defects, or deterioration.
 7. This Warranty is recognized to be the only warranty of Roofing Installer on said work and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of original work according to requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.
- E. IN WITNESS THEREOF, this instrument has been duly executed this _____ day of _____, _____.
1. Authorized Signature: _____.
 2. Name: _____.
 3. Title: _____.

END OF SECTION

07 54 19 – POLYVINYL-CHLORIDE (PVC) ROOFING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Adhered polyvinyl-chloride (PVC) roofing system.
2. Cover board
3. Roof insulation.
4. Walkway pads

B. Related Requirements:

1. Section 061053 "Miscellaneous Rough Carpentry" for wood nailers, curbs, and blocking; and for wood-based, structural-use roof deck panels.
2. Section 076200 "Sheet Metal Flashing and Trim" for metal roof flashings and counterflashings.
3. Section 079200 "Joint Sealants" for joint sealants, joint fillers, and joint preparation.

1.2 DEFINITIONS

A. Roofing Terminology: Refer to the following publications for definitions of roofing work related terms used in this Section:

1. ASTM D 1079 "Terminology Relating to Roofing and Waterproofing."
2. Glossary of NRCA's "The NRCA Roofing and Waterproofing Manual."
3. Roof Consultants Institute "Glossary of Roofing Terms."

B. Sheet Metal Terminology and Techniques: SMACNA Architectural Sheet Metal Manual.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Roofing Conference: Conduct conference at Project site.

1. Meet with Owner, Architect, Owner's insurer if applicable, testing and inspecting agency representative, roofing Installer, roofing system manufacturer's representative, deck Installer, and installers whose work interfaces with or affects roofing, including installers of roof accessories and roof-mounted equipment.

2. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
3. Review and finalize construction schedule, and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
4. Examine deck substrate conditions and finishes for compliance with requirements, including flatness and fastening.
5. Review structural loading limitations of roof deck during and after roofing.
6. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that affects roofing system.
7. Review governing regulations and requirements for insurance and certificates if applicable.
8. Review temporary protection requirements for roofing system during and after installation.
9. Review roof observation and repair procedures after roofing installation.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Sustainable Design Submittals:
 1. Product Test Reports: For roof materials, documentation indicating that roof materials comply with Solar Reflectance Index requirements.
 2. Product Data: For adhesives and sealants, indicating VOC content.
 3. Laboratory Test Reports: For adhesives and sealants, indicating compliance with requirements for low-emitting materials.
- C. Shop Drawings: For roofing system. Include plans, elevations, sections, details, and attachments to other work, including:
 1. Layout and thickness of insulation.
 2. Base flashings and membrane terminations.
 3. Flashing details at penetrations.
 4. Tapered insulation, including slopes.
 5. Roof plan showing orientation of steel roof deck and orientation of roofing, fastening spacings, and patterns for mechanically fastened roofing.

6. Insulation fastening patterns for corner, perimeter, and field-of-roof locations.

D. Samples for Verification: For the following products:

1. Sheet roofing, and flashings of color required.

E. Wind Uplift Resistance Submittal: For roofing system, indicating compliance with wind uplift performance requirements.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer and manufacturer.

B. Manufacturer Certificates:

1. Performance Requirement Certificate: Signed by roofing manufacturer certifying that roofing system complies with requirements specified in "Performance Requirements" Article.

a. Submit evidence of compliance with performance requirements.

2. Special Warranty Certificate: Signed by roof membrane manufacturer, certifying that all materials supplied under this Section are acceptable for special warranty.

C. Product Test Reports: For components of roofing system, for tests performed by manufacturer and witnessed by a qualified testing agency.

D. Research/Evaluation Reports: For components of roofing system, from ICC-ES.

E. Field Test Reports:

1. Concrete internal relative humidity test reports.

2. Fastener-pullout test results and manufacturer's revised requirements for fastener patterns.

F. Sample Warranties: For manufacturer's special warranties.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: For roofing system to include in maintenance manuals.

1.7 QUALITY ASSURANCE

A. Manufacturer Qualifications: A qualified manufacturer that is listed in FM Approvals' RoofNav for roofing system identical to that used for this Project.

- B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
 - 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
- D. Handle and store roofing materials, and place equipment in a manner to avoid permanent deflection of deck.

1.9 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.

1.10 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period.
 - 1. Special warranty includes membrane roofing, base flashings, roof insulation, fasteners, cover boards, vapor/air retarder, substrate board, and other components of roofing system.
 - 2. Warranty Period: 20 years from date of Substantial Completion. No Dollar Limit.
- B. Special Project Warranty: Submit roofing Installer's warranty, on warranty form at end of this Section, signed by Installer, covering the Work of this Section, including all components of roofing system such as membrane roofing, base flashing, roof insulation, fasteners, cover boards, substrate boards, vapor/air retarders, and walkway products, for the following warranty period:

1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 1. Carlisle SynTec Incorporated.
 2. GAF
 3. Johns Manville; a Berkshire Hathaway Company.
 4. Sika Sarnafil.
 5. Soprema
 6. Tremco
 7. Or equal.

2.2 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed roofing and base flashings shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Roofing and base flashings shall remain watertight.
 1. Accelerated Weathering: Roofing system shall withstand 2000 hours of exposure when tested according to ASTM G 152, ASTM G 154, or ASTM G 155.
- B. Material Compatibility: Roofing materials shall be compatible with one another and adjacent materials under conditions of service and application required, as demonstrated by roofing manufacturer based on testing and field experience.
- C. Wind Uplift Performance: Roofing system shall be identical to systems that have been successfully tested by a qualified testing and inspecting agency to resist wind uplift pressure calculated in accordance with ASCE-7. Meeting the manufacturers uplift requirements for issuance of the specified NDL Guarantee.
- D. Energy Performance: Roofing products shall be compliant with 2016 California Energy Code, Title 24, Part 6 and 2016 California Green Building Standards Code, Title 24, Part 8; "Cool Roof", tested and labeled by the Cool Roof Rating Council (CRRRC).
 1. Low-sloped roof Climate zone 1-16: Minimum 3-yr. aged Solar Reflectance: 0.63 Minimum Thermal Emittance: 0.75 or minimum SRI value of 75.

- 2. Steep-sloped roof Climate zone 1-16: Minimum 3-yr. aged Solar Reflectance: 0.20
Minimum Thermal Emittance: 0.75 or minimum SRI value of 16.
- E. Exterior Fire-Test Exposure: ASTM E 108 or UL 790, Class A; for application and roof slopes indicated; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

2.3 PVC ROOFING

- A. PVC Sheet: ASTM D 4434, Type III, fabric reinforced to reduce plasticizer migration, felt backed.
 - 1. Certification, by letter, stating that the formulation has a minimum 15 years of performance history in North America.
 - 2. Thickness: 80 mils (2.03 mm), nominal
 - 3. PVC Membrane must meet reflectivity and Emissivity requirements for California Title 24.
 - 4. Exposed Face Color: [White] [Gray] <Insert color>.

2.4 AUXILIARY ROOFING MATERIALS

- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with roofing.
 - 1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.
- B. Sheet Flashing: Manufacturer's standard sheet flashing of same material, type, reinforcement and color as PVC sheet.
- C. Prefabricated Pipe Flashings: As recommended by roof membrane manufacturer.
- D. Roof Vents: As recommended by roof membrane manufacturer.
 - 1. Size: Not less than 4-inch (100-mm) diameter.
- E. Bonding Adhesive: Manufacturer's standard water-based bonding adhesive for membrane, and Low VOC solvent-based bonding adhesive for base flashings.
- F. Slip Sheet: Manufacturer's standard, of thickness required for application.
- G. Metal Termination Bars: Manufacturer's standard, predrilled stainless-steel or aluminum bars, with anchors.

- H. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Global 4470, designed for fastening roofing to substrate, and acceptable to roofing system manufacturer.
- I. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, lap sealants, termination reglets, and other accessories.

2.5 SUBSTRATE BOARDS

- A. Substrate Board: ASTM C 1396/C 1396M, Type X gypsum board.
 - 1. Thickness: 5/8 inch (16 mm).
- B. Substrate Board: ASTM C 1177/C 1177M, glass-mat, water-resistant gypsum board or ASTM C 1278/C 1278M, fiber-reinforced gypsum board.
 - 1. Thickness: 1/2 inch (13 mm) thick.
 - 2. Surface Finish: Factory primed.
- C. Substrate Board: ASTM C 728, perlite board, seal coated.
 - 1. Thickness: 3/4 inch (19 mm).
- D. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening substrate board to roof deck.

2.6 VAPOR/AIR RETARDER

- A. Polyethylene Film: ASTM D 4397, 10 mils (0.25 mm) thick, minimum, with maximum permeance rating of 0.13 perm (0.084 metric perm).
 - 1. Adhesive: Manufacturer's standard lap adhesive, listed by FM Approvals for vapor/air retarder application.

2.7 ROOF INSULATION

- A. General: Preformed roof insulation boards manufactured or approved by PVC roofing manufacturer, selected from manufacturer's standard sizes suitable for application, of thicknesses indicated.
- B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 3, felt or glass-fiber mat facer on both major surfaces.
 - 1. Provide rigid insulation with minimum LTTR R-value of 5.6 per inch ASTM C 1289-2014.

2. Compressive Strength: 25 psi (172 kPa).
 3. Size: 48 by 96 inches (1219 by 2438 mm).
 4. Thickness:
 - a. Base Layer: 1-1/2 inches (38 mm).
 - b. Upper Layer: <Insert thickness>.
- C. Tapered Insulation: Provide factory-tapered insulation boards:
1. Material: Match roof insulation.
 2. Minimum Thickness: 1/4 inch (6.35 mm).
 3. Slope:
 - a. Roof Field: 1/4 inch per foot (1:48) unless otherwise indicated on Drawings.
 - b. Saddles and Crickets: 1/2 inch per foot (1:24) unless otherwise indicated on Drawings.

2.8 INSULATION ACCESSORIES

- A. General: Roof insulation accessories recommended by insulation manufacturer for intended use and compatibility with roofing.
- B. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Global 4470, designed for fastening roof insulation and cover boards to substrate, and acceptable to roofing system manufacturer.
- C. Insulation Adhesive: Insulation manufacturer's recommended adhesive formulated to attach roof insulation to substrate or to another insulation layer as follows:
 1. Full-spread spray-applied, low-rise, two-component urethane adhesive.
- D. Cover Board: ASTM C 1177/C 1177M, glass-mat, water-resistant gypsum board or ASTM C 1278/C 1278M fiber-reinforced gypsum board.
 1. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - a. Certaineed; GlasRoc.
 - b. Georgia-Pacific Building Products; DensDeck.
 - c. National Gypsum Company; DEXcell FA.
 - d. JM InvinSA Roof Board.
 - e. USG Corporation; Securock Glass Mat Roof Board.

- f. Or equal.
- 2. Thickness: 1/4 inch (6 mm).
- 3. Surface Finish: Factory primed.

2.9 WALKWAYS

- A. Flexible Walkways: Factory-formed, nonporous, heavy-duty, slip-resisting, surface-textured walkway pads or rolls, approximately 3/16 inch (5 mm) thick and acceptable to roofing system manufacturer.
 - 1. Size: Approximately 36 by 60 inches (914 by 1524 mm).
 - 2. Color: Contrasting with roof membrane.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work:
 - 1. Verify that roof openings and penetrations are in place, curbs are set and braced, and roof-drain bodies are securely clamped in place.
 - 2. Verify that wood blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
 - 3. Verify that surface plane flatness and fastening of steel roof deck complies with requirements in Section 053100 "Steel Decking."
 - 4. Verify that minimum concrete drying period recommended by roofing system manufacturer has passed.
 - 5. Verify that concrete substrate is visibly dry and free of moisture, and that minimum concrete internal relative humidity is not more than 75 percent, or as recommended by roofing system manufacturer, when tested according to ASTM F 2170.
 - a. Test Frequency: One test probe per each 1000 sq. ft. (93 sq. m), or portion thereof, of roof deck, with not less than three tests probes.
 - b. Submit test reports within 24 hours after performing tests.
 - 6. Verify that concrete-curing compounds that will impair adhesion of roofing components to roof deck have been removed.

7. Verify that minimum curing period recommended by roofing system manufacturer for lightweight insulating concrete roof decks has passed.

- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.
- C. Perform fastener-pullout tests according to roof system manufacturer's written instructions.
 1. Submit test result within 24 hours after performing tests.
 - a. Include manufacturer's requirements for any revision to previously submitted fastener patterns required to achieve specified wind uplift requirements.
- D. Confirm all HVAC units and other equipment supported by curbs conform with the following:
 1. Curbs are required to provide a minimum 8" base flashing height measured from the surface of the new membrane to the top of the flashing membrane.
 2. Nail top of flashing and install new metal counterflashing prior to installation of unit.
 3. Perimeter nailers must be elevated to match elevation of roof insulation.

3.3 ROOFING INSTALLATION, GENERAL

- A. Install roofing system according to roofing system manufacturer's written instructions, FM Approvals' RoofNav assembly requirements, and FM Global Property Loss Prevention Data Sheet 1-29.
- B. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system at end of workday or when rain is forecast. Remove and discard temporary seals before beginning work on adjoining roofing.
- C. Install roofing and auxiliary materials to tie in to existing roofing to maintain weathertightness of transition and to not void warranty for existing roofing system.

3.4 SUBSTRATE BOARD INSTALLATION

- A. Install substrate board with long joints in continuous straight lines, with end joints staggered not less than 24 inches (610 mm) in adjacent rows.
 - 1. At steel roof decks, install substrate board at right angle to flutes of deck.
 - a. Locate end joints over crests of steel roof deck.
 - 2. Tightly butt substrate boards together.
 - 3. Cut substrate board to fit tight around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - 4. Fasten substrate board to top flanges of steel deck according to recommendations in FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification.
 - 5. Fasten substrate board to top flanges of steel deck to resist uplift pressure at corners, perimeter, and field of roof according to roofing system manufacturers' written instructions.

3.5 VAPOR/AIR RETARDER INSTALLATION

- A. Provide vapor/air barrier where air leakage from interior can occur through roof substrate; such as wood, wood panel or metal deck. Do not install where vapor/air barrier is not a part of listed roof assembly, or where roofing manufacturer's installation instructions do not require vapor/air barrier.
- B. Polyethylene Film: Loosely lay polyethylene-film vapor retarder in a single layer over area to receive vapor retarder, side and end lapping each sheet a minimum of 2 and 6 inches (50 and 150 mm), respectively.
 - 1. Extend vertically up parapet walls and projections to a minimum height equal to height of insulation and cover board.
 - 2. Continuously seal side and end laps with adhesive.
- C. Completely seal vapor retarder at terminations, obstructions, and penetrations to prevent air movement into roofing system.

3.6 INSULATION INSTALLATION

- A. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at the end of the workday.
- B. Comply with roofing system and insulation manufacturer's written instructions for installing roof insulation.

C. Installation Over Metal Decking:

1. Install base layer of insulation with end joints staggered not less than 12 inches (305 mm) in adjacent rows and with long joints continuous at right angle to flutes of decking.
 - a. Locate end joints over crests of decking.
 - b. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay base layer of insulation units over substrate.
 - i. Mechanically attach base layer of insulation and substrate board using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to metal decks.
 - 1) Fasten insulation according to requirements in FM Approvals' RoofNav for specified Windstorm Resistance Classification.
 - 2) Fasten insulation to resist specified uplift pressure at corners, perimeter, and field of roof.
2. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 12 inches (305 mm) from previous layer of insulation.
 - a. Staggered end joints within each layer not less than 24 inches (610 mm) in adjacent rows.
 - b. Install with long joints continuous and with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.

- d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay each layer of insulation units over substrate.
 - i. Adhere each layer of insulation to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 2) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
- D. Installation Over Wood Panel Decking:
- 1. Mechanically fasten slip sheet to roof deck using mechanical fasteners specifically designed and sized for fastening slip sheet to wood panel decks.
 - a. Fasten slip sheet according to requirements in FM Approvals' RoofNav for specified Windstorm Resistance Classification.
 - b. Fasten slip sheet to resist specified uplift pressure at corners, perimeter, and field of roof.
 - 2. Install base layer of insulation with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - a. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
 - b. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - c. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - d. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).

- 1) Trim insulation so that water flow is unrestricted.
- e. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
- f. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
- g. Loosely lay base layer of insulation units over substrate.
3. Mechanically attach base layer of insulation and substrate board using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to wood panel decks.
 - a. Fasten insulation according to requirements in FM Approvals' RoofNav for specified Windstorm Resistance Classification.
 - b. Fasten insulation to resist specified uplift pressure at corners, perimeter, and field of roof.
4. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 12 inches (305 mm) from previous layer of insulation.
 - a. Staggered end joints within each layer not less than 24 inches (610 mm) in adjacent rows.
 - b. Install with long joints continuous and with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay each layer of insulation units over substrate.
 - i. Adhere each layer of insulation to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:

- 1) Set each layer of insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
- 2) Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
- 3) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

E. Installation Over Concrete Decks:

1. Install base layer of insulation with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - a. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
 - b. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - c. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - d. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - e. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - f. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - g. Loosely lay base layer of insulation units over substrate.
 - h. Adhere base layer of insulation to concrete roof deck according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Prime surface of concrete deck with asphalt primer at rate of 3/4 gal./100 sq. ft. (0.3 L/sq. m), and allow primer to dry.
 - 2) Set insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - 3) Set insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 4) Set insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
2. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 12 inches (305 mm) from previous layer of insulation.

- a. Staggered end joints within each layer not less than 24 inches (305 mm) in adjacent rows.
 - b. Install with long joints continuous and with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay each layer of insulation units over substrate.
 - i. Adhere each layer of insulation to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Set each layer of insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - 2) Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 3) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
- F. Installation Over Lightweight Insulating Concrete Decks:
- 1. Mechanically fasten vented base sheet to lightweight insulating concrete, with vented side down, using mechanical fasteners specifically designed and sized for fastening to lightweight insulating concrete decks.
 - a. Fasten vented base sheet according to requirements in FM Approvals' RoofNav for specified Windstorm Resistance Classification.
 - b. Fasten vented base sheet to resist specified uplift pressure at corners, perimeter, and field of roof.
 - 2. Install base layer of insulation with end joints staggered not less than 12 inches (305 mm) in adjacent rows.

- a. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
 - b. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - c. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - d. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - e. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - f. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - g. Loosely lay base layer of insulation units over substrate.
 - h. Adhere base layer of insulation to vented base sheet according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Set insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - 2) Set insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 3) Set insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
3. Install upper layers of insulation[**and tapered insulation**] with joints of each layer offset not less than 12 inches (305 mm) from previous layer of insulation.
- a. Staggered end joints within each layer not less than 24 inches (610 mm) in adjacent rows.
 - b. Install with long joints continuous and with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).

- 1) Trim insulation so that water flow is unrestricted.
- f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
- g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
- h. Loosely lay each layer of insulation units over substrate.
- i. Adhere each layer of insulation to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Set each layer of insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - 2) Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 3) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

3.7 INSTALLATION OF COVER BOARDS

- A. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered between rows. Offset joints of insulation below a minimum of 6 inches (150 mm) in each direction.
 1. Trim cover board neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 2. At internal roof drains, conform to slope of drain sump.
 - a. Trim cover board so that water flow is unrestricted.
 3. Cut and fit cover board tight to nailers, projections, and penetrations.
 4. Loosely lay cover board over substrate.
 5. Adhere cover board to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - a. Set cover board in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - b. Set cover board in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

3.8 ADHERED ROOFING INSTALLATION

- A. Adhere roofing over area to receive roofing according to roofing system manufacturer's written instructions. Unroll roofing and allow to relax before retaining.
 - 1. Install sheet according to ASTM D 5036.
- B. Start installation of roofing in presence of roofing system manufacturer's technical personnel.
- C. Accurately align roofing, and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.
- D. Bonding Adhesive: Apply to substrate and underside of roofing at rate required by manufacturer, and allow to partially dry before installing roofing. Do not apply to splice area of roofing.
- E. Fabric-Backed Roof Membrane Adhesive: Apply to substrate at rate required by manufacturer, and install fabric-backed roof membrane.
- F. In addition to adhering, mechanically fasten roofing securely at terminations, penetrations, and perimeter of roofing.
- G. Apply roofing with side laps shingled with slope of roof deck where possible.
- H. Seams: Clean seam areas, overlap roofing, and hot-air weld side and end laps of roofing and sheet flashings according to manufacturer's written instructions, to ensure a watertight seam installation.
 - 1. Test lap edges with probe to verify seam weld continuity. Apply lap sealant to seal cut edges of sheet.
 - 2. Verify field strength of seams a minimum of twice daily, and repair seam sample areas.
 - 3. Repair tears, voids, and lapped seams in roofing that do not comply with requirements.
- I. Spread sealant bed over deck-drain flange at roof drains, and securely seal roofing in place with clamping ring.

3.9 BASE FLASHING INSTALLATION

- A. Install sheet flashings and preformed flashing accessories, and adhere to substrates according to roofing system manufacturer's written instructions.
- B. Apply bonding adhesive to substrate and underside of sheet flashing at required rate, and allow to partially dry. Do not apply to seam area of flashing.

- C. Flash penetrations and field-formed inside and outside corners with cured or uncured sheet flashing.
- D. Clean seam areas, overlap, and firmly roll sheet flashings into the adhesive. Hot-air weld side and end laps to ensure a watertight seam installation.
- E. Terminate and seal top of sheet flashings and mechanically anchor to substrate through termination bars.

3.10 WALKWAY INSTALLATION

- A. Flexible Walkways: Install walkway products in locations indicated. Heat weld to substrate or adhere walkway products to substrate with compatible adhesive according to roofing system manufacturer's written instructions.

3.11 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to inspect substrate conditions, surface preparation, membrane application, flashings, protection, and drainage components, and to furnish reports to Architect.
 - 1. Electric Field Vector Mapping (EFVM): Testing agency shall survey entire roof area for potential leaks using electric field vector mapping (EFVM).
 - a. Perform tests before overlying construction is placed.
 - b. After testing, repair areas of discontinuities, repeat tests, and make further repairs until roofing and flashing installations are contiguous.
 - 1) Cost of retesting is Contractor's responsibility.
 - c. Testing agency shall prepare survey report indicating locations of initial discontinuities, if any.

Retain "Flood Testing" Paragraph below if flood testing of roofing is required. Localize testing to flashings or penetrations if preferred. Limit water depth to not more than load capacity of deck as determined by structural engineer. ASTM D 5957 offers guidance on flood testing waterproof membranes, rather than roofing systems, on horizontal surfaces not exceeding 1/4 inch per foot (1:48). If retaining, review procedures in ASTM D 5957 for applicability.

- 2. Flood Testing: Flood test each roofing area for leaks, according to recommendations in ASTM D 5957, after completing roofing and flashing but before overlying construction is placed. Install temporary containment assemblies, plug or dam drains, and flood with potable water.
- 3. Flood to an average depth of 2-1/2 inches (65 mm) with a minimum depth of 1 inch (25 mm) and not exceeding a depth of 4 inches (100 mm). Maintain 2 inches (50 mm) of clearance from top of base flashing.

4. Flood each area for 24 hours.
 5. After flood testing, repair leaks, repeat flood tests, and make further repairs until roofing and flashing installations are watertight.
- B. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion.
- C. Repair or remove and replace components of roofing system where inspections indicate that they do not comply with specified requirements.
- D. Additional testing and inspecting, at Contractor's expense, will be performed to determine if replaced or additional work complies with specified requirements.

3.12 PROTECTING AND CLEANING

- A. Protect roofing system from damage and wear during remainder of construction period. When remaining construction does not affect or endanger roofing, inspect roofing for deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.
- B. Correct deficiencies in or remove roofing system that does not comply with requirements, repair substrates, and repair or reinstall roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

3.13 ROOFING INSTALLER'S WARRANTY

- A. WHEREAS _____ of _____, herein called the "Roofing Installer," has performed roofing and associated work ("work") on the following project:
1. Owner: <Insert name of Owner>.
 2. Address: <Insert address>.
 3. Building Name/Type: <Insert information>.
 4. Address: <Insert address>.
 5. Area of Work: <Insert information>.
 6. Acceptance Date: _____.
 7. Warranty Period: <Insert time>.
 8. Expiration Date: _____.

- B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant said work against leaks and faulty or defective materials and workmanship for designated Warranty Period,
- C. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period he will, at his own cost and expense, make or cause to be made such repairs to or replacements of said work as are necessary to correct faulty and defective work and as are necessary to maintain said work in a watertight condition.
- D. This Warranty is made subject to the following terms and conditions:
 - 1. Specifically excluded from this Warranty are damages to work and other parts of the building, and to building contents, caused by:
 - a. lightning;
 - b. peak gust wind speed exceeding <Insert mph (m/sec)>;
 - c. fire;
 - d. failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
 - e. faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
 - f. vapor condensation on bottom of roofing; and
 - g. activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.
 - 2. When work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.
 - 3. Roofing Installer is responsible for damage to work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of work.
 - 4. During Warranty Period, if Owner allows alteration of work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this Warranty shall become null and void on date of said alterations, but only to the extent said alterations affect work covered by this Warranty. If Owner engages Roofing Installer to perform said alterations, Warranty shall not become null and void unless Roofing Installer, before starting said work, shall have notified Owner in writing, showing reasonable cause for claim, that said alterations would likely

damage or deteriorate work, thereby reasonably justifying a limitation or termination of this Warranty.

5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a promenade, work deck, spray-cooled surface, flooded basin, or other use or service more severe than originally specified, this Warranty shall become null and void on date of said change, but only to the extent said change affects work covered by this Warranty.
6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect work and to examine evidence of such leaks, defects, or deterioration.
7. This Warranty is recognized to be the only warranty of Roofing Installer on said work and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of original work according to requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.

E. IN WITNESS THEREOF, this instrument has been duly executed this _____ day of _____, _____.

1. Authorized Signature: _____.
2. Name: _____.
3. Title: _____.

END OF SECTION

07 54 23 – THERMOPLASTIC-POLYOLEFIN (TPO) ROOFING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Adhered thermoplastic polyolefin (TPO) roofing system.
2. Substrate board.
3. Roof insulation.
4. Cover board.
5. Walkways.

B. Related Requirements:

1. Section 061053 "Miscellaneous Rough Carpentry" for wood nailers, curbs, and blocking; and for wood-based, structural-use roof deck panels.
2. Section 076200 "Sheet Metal Flashing and Trim" for metal roof flashings and counterflashings.
3. Section 079200 "Joint Sealants" for joint sealants, joint fillers, and joint preparation.

1.2 DEFINITIONS

A. Roofing Terminology: Definitions in ASTM D 1079 and glossary in NRCA's "The NRCA Roofing Manual: Membrane Roof Systems" apply to Work of this Section.

1. ASTM D 1079 "Terminology Relating to Roofing and Waterproofing."
2. Glossary of NRCA's "The NRCA Roofing and Waterproofing Manual."
3. Roof Consultants Institute "Glossary of Roofing Terms."

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Roofing Conference: Conduct conference at Project site.

1. Meet with Owner, Architect, Owner's insurer if applicable, testing and inspecting agency representative, roofing Installer, roofing system manufacturer's representative, deck Installer, air barrier Installer, and installers whose work

interfaces with or affects roofing, including installers of roof accessories and roof-mounted equipment.

2. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
3. Review and finalize construction schedule, and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
4. Examine deck substrate conditions and finishes for compliance with requirements, including flatness and fastening.
5. Review structural loading limitations of roof deck during and after roofing.
6. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that affects roofing system.
7. Review governing regulations and requirements for insurance and certificates if applicable.
8. Review temporary protection requirements for roofing system during and after installation.
9. Review roof observation and repair procedures after roofing installation.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. For insulation and roof system component fasteners, include copy of FM Approvals' RoofNav listing.

B. Sustainable Design Submittals:

1. Product Test Reports: For roof materials, documentation indicating that roof materials comply with Solar Reflectance Index requirements.
2. Product Data: For adhesives and sealants, indicating VOC content.
3. Laboratory Test Reports: For adhesives and sealants, indicating compliance with requirements for low-emitting materials.
4. Product Test Reports: For roof materials, documentation indicating that roof materials comply with Solar Reflectance Index requirements.
5. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.
6. Environmental Product Declaration: For each product.

- 7. Health Product Declaration: For each product.
- 8. Sourcing of Raw Materials: Corporate sustainability report for each manufacturer.
- C. Shop Drawings: Include roof plans, sections, details, and attachments to other work, including the following:
 - 1. Layout and thickness of insulation.
 - 2. Base flashings and membrane termination details.
 - 3. Flashing details at penetrations.
 - 4. Tapered insulation layout, thickness, and slopes.
 - 5. Roof plan showing orientation of steel roof deck and orientation of roof membrane, fastening spacings, and patterns for mechanically fastened roofing system.
 - 6. Insulation fastening patterns for corner, perimeter, and field-of-roof locations.
- D. Samples for Verification: For the following products:
 - 1. Roof membrane and flashings, of color required.
- E. Wind Uplift Resistance Submittal: For roofing system, indicating compliance with wind uplift performance requirements.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer, manufacturer and testing agency.
- B. Manufacturer Certificates:
 - 1. Performance Requirement Certificate: Signed by roof membrane manufacturer, certifying that roofing system complies with requirements specified in "Performance Requirements" Article.
 - a. Submit evidence of compliance with performance requirements.
 - 2. Special Warranty Certificate: Signed by roof membrane manufacturer, certifying that all materials supplied under this Section are acceptable for special warranty.
- C. Product Test Reports: For roof membrane and insulation, for tests performed by a qualified testing agency, indicating compliance with specified requirements.
- D. Evaluation Reports: For components of roofing system, from ICC-ES.
- E. Field Test Reports:
 - 1. Concrete internal relative humidity test reports.

2. Fastener-pullout test results and manufacturer's revised requirements for fastener patterns.

- F. Sample Warranties: For manufacturer's special warranties.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For roofing system to include in maintenance manuals.

1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that is listed in FM Approvals' RoofNav for roofing system identical to that used for this Project.
- B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.

1.9 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.

1.10 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period.

1. Special warranty includes roof membrane, base flashings, roof insulation, fasteners, cover boards, vapor/~~air~~ retarder, substrate board, and other components of roofing system.
 2. Warranty Period: 20 years from date of Substantial Completion. No Dollar Limit.
- B. Special Project Warranty: Submit roofing Installer's warranty, on warranty form at end of this Section, signed by Installer, covering the Work of this Section, including all components of roofing system such as roof membrane, base flashing, roof insulation, fasteners, cover boards, substrate boards, and, for the following warranty period:
1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
1. Carlisle SynTec Incorporated.
 2. Johns Manville; a Berkshire Hathaway Company. (Basis of Design).
 3. Sika Sarnafil.
 4. Or equal.

2.2 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed roofing system and flashings shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Roof system and flashings shall remain watertight.
1. Accelerated Weathering: Roof membrane shall withstand 2000 hours of exposure when tested according to ASTM G 152, ASTM G 154, or ASTM G 155.
- B. Material Compatibility: Roofing materials shall be compatible with one another and adjacent materials under conditions of service and application required, as demonstrated by roof membrane manufacturer based on testing and field experience.
- C. Wind Uplift Performance: Roofing system shall be identical to systems that have been successfully tested by a qualified testing and inspecting agency to resist wind uplift pressure calculated in accordance with ASCE-7. Meeting the manufacturers uplift requirements for issuance of the specified NDL Guarantee.

- E. FM Approvals' RoofNav Listing: Roof membrane, base flashings, and component materials shall comply with requirements in FM Approvals 4450 or FM Approvals 4470 as part of a roofing system, and shall be listed in FM Approvals' RoofNav for Class 1 or noncombustible construction, as applicable. Identify materials with FM Approvals Certification markings.
 - 1. Fire/Windstorm Classification: Class 1A-60.
 - 2. Hail-Resistance Rating: MH.
- F. Energy Performance: Roofing products shall be compliant with 2016 California Energy Code, Title 24, Part 6 and 2016 California Green Building Standards Code, Title 24, Part 8; "Cool Roof", tested and labeled by the Cool Roof Rating Council (CRRC).
 - 1. Low-sloped roof Climate zone 1-16: Minimum 3-yr. aged Solar Reflectance: 0.63 Minimum Thermal Emittance: 0.75 or minimum SRI value of 75.
 - 2. Steep-sloped roof Climate zone 1-16: Minimum 3-yr. aged Solar Reflectance: 0.20 Minimum Thermal Emittance: 0.75 or minimum SRI value of 16.
- G. Exterior Fire-Test Exposure: ASTM E 108 or UL 790, Class A; for application and roof slopes indicated; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

2.3 THERMOPLASTIC POLYOLEFIN (TPO) ROOFING

- A. TPO Sheet: ASTM D 6878/D 6878M, internally fabric- or scrim-reinforced, fabric-backed TPO sheet.
 - 1. Carlisle Syntec Incorporated
 - 2. GAF
 - 3. Firestone Building Products
 - 4. Johns Manville; a Berkshire Hathaway Company.
 - 5. Tremco
 - 6. Or equal
 - 7. Thickness: 60 mils (1.5 mm), nominal.
 - 8. Exposed Face Color: [Gray] [Tan] [White] <Insert color.

2.4 AUXILIARY ROOFING MATERIALS

- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with other roofing components.

1. Adhesive and Sealants: Comply with VOC limits of authorities having jurisdiction.
- B. Sheet Flashing: Manufacturer's standard unreinforced TPO sheet flashing, 55 mils (1.4 mm) thick, minimum, of same color as TPO sheet.
- C. Prefabricated Pipe Flashings: As recommended by roof membrane manufacturer.
- D. Roof Vents: As recommended by roof membrane manufacturer.
 1. Size: Not less than 4-inch (100-mm) diameter.
- E. Bonding Adhesive: Manufacturer's standard, water based.
- F. Slip Sheet: Manufacturer's standard, of thickness required for application.
- G. Metal Termination Bars: Manufacturer's standard, predrilled stainless steel or aluminum bars, approximately 1 by 1/8 inch (25 by 3 mm) thick; with anchors.
- H. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening roofing components to substrate, and acceptable to roofing system manufacturer.
- I. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, lap sealants, termination reglets, and other accessories.

2.5 SUBSTRATE BOARDS

- A. Substrate Board: ASTM C 1396/C 1396M, Type X gypsum board.
 1. Thickness: 5/8 inch (16 mm).
- B. Substrate Board: ASTM C 1177/C 1177M, glass-mat, water-resistant gypsum board or ASTM C 1278/C 1278M, fiber-reinforced gypsum board.
 1. Thickness: 1/2 inch (13 mm) thick.
 2. Surface Finish: Factory primed.
- C. Substrate Board: ASTM C 728, perlite board, seal coated.
 1. Thickness: 3/4 inch (19 mm).
- D. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening substrate board to roof deck.

2.6 VAPOR/AIR RETARDER

- A. Polyethylene Film: ASTM D 4397, 10 mils (0.25 mm) thick, minimum, with maximum permeance rating of 0.13 perm (0.084 metric perm).
 - 1. Adhesive: Manufacturer's standard lap adhesive, listed by FM Approvals for vapor/air retarder application.

2.7 ROOF INSULATION

- A. General: Preformed roof insulation boards manufactured or approved by TPO roof membrane manufacturer, approved for use in FM Approvals' RoofNav-listed roof assemblies.
- B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade **3**, felt or glass-fiber mat facer on both major surfaces.
 - 1. Provide rigid insulation with minimum LTTR R-value of 5.6 per inch ASTM C 1289-2014.
 - 2. Compressive Strength: 25 psi (172 kPa).
 - 3. Size: 48 by 96 inches (1219 by 2438 mm).
 - 4. Thickness:
 - a. Base Layer: 1-1/2 inches (38 mm).
 - b. Upper Layer: <Insert thickness>.
- C. Tapered Insulation: Provide factory-tapered insulation boards.
 - 1. Material: Match roof insulation.
 - 2. Minimum Thickness: 1/4 inch (6.35 mm).
 - 3. Slope:
 - a. Roof Field: 1/4 inch per foot (1:48) unless otherwise indicated on Drawings.
 - b. Saddles and Crickets: 1/2 inch per foot (1:24) unless otherwise indicated on Drawings.

2.8 INSULATION ACCESSORIES

- A. General: Roof insulation accessories recommended by insulation manufacturer for intended use and compatibility with other roofing system components.

- B. Fasteners: Factory-coated steel fasteners with metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening roof insulation and cover boards to substrate, and acceptable to roofing system manufacturer.
- C. Insulation Adhesive: Insulation manufacturer's recommended adhesive formulated to attach roof insulation to substrate or to another insulation layer as follows:
 - 1. Modified asphaltic, asbestos-free, cold-applied adhesive.
 - 2. Bead-applied, low-rise, one-component or multicomponent urethane adhesive.
 - 3. Full-spread, spray-applied, low-rise, two-component urethane adhesive.
- D. Cover Board: ASTM C 1177/C 1177M, glass-mat, water-resistant gypsum board or ASTM C 1278/C 1278M fiber-reinforced gypsum board.
 - 1. Manufacturers: Subject to compliance with requirements, provide listed products by one of the following:
 - a. Certainteed; GlasRoc.
 - b. Georgia-Pacific Building Products; DensDeck.
 - c. JM Invinisa Roof Board.
 - d. National Gypsum Company; DEXcell FA.
 - e. USG Corporation; Securock Glass Mat Roof Board.
 - f. Or equal.
 - 2. Thickness: 1/4 inch (6 mm) .
 - 3. Surface Finish: Factory primed.

2.9 WALKWAYS

- A. Flexible Walkways: Factory-formed, nonporous, heavy-duty, slip-resisting, surface-textured walkway pads or rolls, approximately 3/16 inch (5 mm) thick and acceptable to roofing system manufacturer.
 - 1. Size: Approximately 36 by 60 inches (914 by 1524 mm).
 - 2. Color: Contrasting with roof membrane.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.
 - 1. Verify that roof openings and penetrations are in place, curbs are set and braced, and roof-drain bodies are securely clamped in place.
 - 2. Verify that wood blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
 - 3. Verify that surface plane flatness and fastening of steel roof deck complies with requirements in Section 053100 "Steel Decking."
 - 4. Verify that minimum concrete drying period recommended by roofing system manufacturer has passed.
 - 5. Verify that concrete substrate is visibly dry and free of moisture, and that minimum concrete internal relative humidity is not more than 75 percent, or as recommended by roofing system manufacturer, when tested according to ASTM F 2170.
 - a. Test Frequency: One test probe per each 1000 sq. ft. (93 sq. m), or portion thereof, of roof deck, with not less than three tests probes.
 - b. Submit test reports within 24 hours after performing tests.
 - 6. Verify that concrete-curing compounds that will impair adhesion of roofing components to roof deck have been removed.
 - 7. Verify that minimum curing period recommended by roofing system manufacturer for lightweight insulating concrete roof decks has passed.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing system installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.
- C. Perform fastener-pullout tests according to roof system manufacturer's written instructions.

1. Submit test result within 24 hours after performing tests.
 - a. Include manufacturer's requirements for any revision to previously submitted fastener patterns required to achieve specified wind uplift requirements.
- D. Confirm all HVAC units and other equipment supported by curbs conform with the following:
 1. Curbs are required to provide a minimum 8" base flashing height measured from the surface of the new membrane to the top of the flashing membrane.
 2. Nail top of flashing and install new metal counterflashing prior to installation of unit.
 3. Perimeter nailers must be elevated to match elevation of roof insulation.

3.3 ROOFING INSTALLATION, GENERAL

- A. Install roofing system according to roofing system manufacturer's written instructions, FM Approvals' RoofNav assembly requirements, and FM Global Property Loss Prevention Data Sheet 1-29.
- B. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system at end of workday or when rain is forecast. Remove and discard temporary seals before beginning Work on adjoining roofing.
- C. Install roof membrane and auxiliary materials to tie in to existing roofing to maintain weathertightness of transition and to not void warranty for existing roofing system.

3.4 SUBSTRATE BOARD INSTALLATION

- A. Install substrate board with long joints in continuous straight lines, with end joints staggered not less than 24 inches (610 mm) in adjacent rows.
 1. At steel roof decks, install substrate board at right angle to flutes of deck.
 - a. Locate end joints over crests of steel roof deck.
 2. Tightly butt substrate boards together.
 3. Cut substrate board to fit tight around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 4. Fasten substrate board to top flanges of steel deck according to recommendations in FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification.
 5. Fasten substrate board to top flanges of steel deck to resist uplift pressure at corners, perimeter, and field of roof according to roofing system manufacturers' written instructions.

3.5 VAPOR/AIR RETARDER INSTALLATION

- A. Provide vapor/air barrier where air leakage from interior can occur through roof substrate; such as wood, wood panel or metal deck. Do not install where vapor/air barrier is not a part of listed roof assembly, or where roofing manufacturer's installation instructions do not require vapor/air barrier.
- B. Polyethylene Film: Loosely lay polyethylene-film vapor retarder in a single layer over area to receive vapor retarder, side and end lapping each sheet a minimum of 2 and 6 inches (50 and 150 mm), respectively.
 - 1. Extend vertically up parapet walls and projections to a minimum height equal to height of insulation and cover board.
 - 2. Continuously seal side and end laps with adhesive.
- C. Completely seal vapor/air retarder at terminations, obstructions, and penetrations to prevent air movement into roofing system.

3.6 INSULATION INSTALLATION

- A. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at end of workday.
- B. Comply with roofing system and roof insulation manufacturer's written instructions for installing roof insulation.
- C. Installation Over Metal Decking:
 - 1. Install base layer of insulation with end joints staggered not less than 12 inches (305 mm) in adjacent rows and with long joints continuous at right angle to flutes of decking.
 - a. Locate end joints over crests of decking.
 - b. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.

- f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay base layer of insulation units over substrate.
 - i. Mechanically attach base layer of insulation and substrate board using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to metal decks.
 - 1) Fasten insulation according to requirements in FM Approvals' RoofNav for specified Windstorm Resistance Classification.
 - 2) Fasten insulation to resist specified uplift pressure at corners, perimeter, and field of roof.
2. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 12 inches (305 mm) from previous layer of insulation.
- a. Staggered end joints within each layer not less than 24 inches (610 mm) in adjacent rows.
 - b. Install with long joints continuous and with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay each layer of insulation units over substrate.
 - i. Adhere each layer of insulation to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.

- 2) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

D. Installation Over Wood Panel Decking:

1. Mechanically fasten slip sheet to roof deck using mechanical fasteners specifically designed and sized for fastening slip sheet to wood panel decks.
 - a. Fasten slip sheet according to requirements in FM Approvals' RoofNav for specified Windstorm Resistance Classification.
 - b. Fasten slip sheet to resist specified uplift pressure at corners, perimeter, and field of roof.
2. Install base layer of insulation with [joints staggered not less than 24 inches (610 mm) in adjacent rows] [end joints staggered not less than 12 inches (305 mm) in adjacent rows].
 - a. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
 - b. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - c. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - d. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - e. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - f. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - g. Loosely lay base layer of insulation units over substrate.
3. Mechanically attach base layer of insulation and substrate board using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to wood panel decks.
 - a. Fasten insulation according to requirements in FM Approvals' RoofNav for specified Windstorm Resistance Classification.
 - b. Fasten insulation to resist specified uplift pressure at corners, perimeter, and field of roof.

4. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 12 inches (305 mm) from previous layer of insulation.
 - a. Staggered end joints within each layer not less than 24 inches (610 mm) in adjacent rows.
 - b. Install with long joints continuous and with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay each layer of insulation units over substrate.
 - i. Adhere each layer of insulation to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Set each layer of insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - 2) Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 3) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

E. Installation Over Concrete Decks:

1. Install base layer of insulation with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - a. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
 - b. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.

- c. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - d. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - e. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - f. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - g. Loosely lay base layer of insulation units over substrate.
 - h. Adhere base layer of insulation to concrete roof deck according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Prime surface of concrete deck with asphalt primer at rate of 3/4 gal./100 sq. ft. (0.3 L/sq. m), and allow primer to dry.
 - 2) Set insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - 3) Set insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 4) Set insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
2. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 12 inches (305 mm) from previous layer of insulation.
- a. Staggered end joints within each layer not less than 24 inches (305 mm) in adjacent rows.
 - b. Install with long joints continuous and with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.

- g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay each layer of insulation units over substrate.
 - i. Adhere each layer of insulation to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Set each layer of insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - 2) Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 3) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
- F. Installation Over Lightweight Insulating Concrete Decks:
- 1. Mechanically fasten vented base sheet to lightweight insulating concrete, with vented side down, using mechanical fasteners specifically designed and sized for fastening to lightweight insulating concrete decks.
 - a. Fasten vented base sheet according to requirements in FM Approvals' RoofNav for specified Windstorm Resistance Classification.
 - b. Fasten vented base sheet to resist specified uplift pressure at corners, perimeter, and field of roof.
 - 2. Install base layer of insulation with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - a. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
 - b. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - c. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - d. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - e. Fill gaps exceeding 1/4 inch (6 mm) with insulation.

- f. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - g. Loosely lay base layer of insulation units over substrate.
 - h. Adhere base layer of insulation to vented base sheet according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - 1) Set insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
 - 2) Set insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - 3) Set insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.
3. Install upper layers of insulation [and tapered insulation] with joints of each layer offset not less than 12 inches (305 mm) from previous layer of insulation.
- a. Staggered end joints within each layer not less than 24 inches (610 mm) in adjacent rows.
 - b. Install with long joints continuous and with end joints staggered not less than 12 inches (305 mm) in adjacent rows.
 - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - d. Make joints between adjacent insulation boards not more than 1/4 inch (6 mm) in width.
 - e. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches (610 mm).
 - 1) Trim insulation so that water flow is unrestricted.
 - f. Fill gaps exceeding 1/4 inch (6 mm) with insulation.
 - g. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.
 - h. Loosely lay each layer of insulation units over substrate.
 - i. Adhere each layer of insulation to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:

- 1) Set each layer of insulation in a solid mopping of hot roofing asphalt, applied within plus or minus 25 deg F (14 deg C) of equiviscous temperature.
- 2) Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
- 3) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

3.7 INSTALLATION OF COVER BOARDS

- A. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered between rows. Offset joints of insulation below a minimum of 6 inches (150 mm) in each direction.
 1. Trim cover board neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 2. At internal roof drains, conform to slope of drain sump.
 - a. Trim cover board so that water flow is unrestricted.
 3. Cut and fit cover board tight to nailers, projections, and penetrations.
 4. Loosely lay cover board over substrate.
 5. Adhere cover board to substrate using adhesive according to FM Approvals' RoofNav assembly requirements and FM Global Property Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance Classification, as follows:
 - a. Set cover board in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.
 - b. Set cover board in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

3.8 ADHERED ROOFING INSTALLATION

- A. Adhere roof membrane over area to receive roofing according to roofing system manufacturer's written instructions.
- B. Unroll roof membrane and allow to relax before installing.
- C. Start installation of roofing in presence of roofing system manufacturer's technical personnel and Owner's testing and inspection agency.
- D. Accurately align roof membrane, and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.

- E. Bonding Adhesive: Apply to substrate and underside of roof membrane at rate required by manufacturer, and allow to partially dry before installing roof membrane. Do not apply to splice area of roof membrane.
- F. Fabric-Backed Roof Membrane Adhesive: Apply to substrate at rate required by manufacturer, and install fabric-backed roof membrane.
- G. In addition to adhering, mechanically fasten roof membrane securely at terminations, penetrations, and perimeter of roofing.
- H. Apply roof membrane with side laps shingled with slope of roof deck where possible.
- I. Seams: Clean seam areas, overlap roof membrane, and hot-air weld side and end laps of roof membrane and sheet flashings, to ensure a watertight seam installation.
 - 1. Test lap edges with probe to verify seam weld continuity. Apply lap sealant to seal cut edges of roof membrane and sheet flashings.
 - 2. Verify field strength of seams a minimum of twice daily, and repair seam sample areas.
 - 3. Repair tears, voids, and lapped seams in roof membrane that do not comply with requirements.
- J. Spread sealant bed over deck-drain flange at roof drains, and securely seal roof membrane in place with clamping ring.

3.9 BASE FLASHING INSTALLATION

- A. Install sheet flashings and preformed flashing accessories, and adhere to substrates according to roofing system manufacturer's written instructions.
- B. Apply bonding adhesive to substrate and underside of sheet flashing at required rate, and allow to partially dry. Do not apply to seam area of flashing.
- C. Flash penetrations and field-formed inside and outside corners with cured or uncured sheet flashing.
- D. Clean seam areas, overlap, and firmly roll sheet flashings into the adhesive. Hot-air weld side and end laps to ensure a watertight seam installation.
- E. Terminate and seal top of sheet flashings and mechanically anchor to substrate through termination bars.

3.10 WALKWAY INSTALLATION

- A. Flexible Walkways: Install walkway products in locations indicated. Heat weld to substrate or adhere walkway products to substrate with compatible adhesive according to roofing system manufacturer's written instructions.

3.11 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to perform tests and to inspect substrate conditions, surface preparation, roof membrane application, sheet flashings, protection, and drainage components, and to furnish reports to Architect.
- B. Owner will engage a qualified testing agency to perform the following tests:
 - 1. Flood Testing: Flood test each roof area for leaks, according to recommendations in ASTM D 5957, after completing roofing and flashing but before overlying construction is placed. Install temporary containment assemblies, plug or dam drains, and flood with potable water.
 - a. Perform tests before overlying construction is placed.
 - b. Flood to an average depth of 2-1/2 inches (65 mm) with a minimum depth of 1 inch (25 mm) and not exceeding a depth of 4 inches (100 mm). Maintain 2 inches (50 mm) of clearance from top of base flashing.
 - c. Flood each area for 24 hours.
 - d. After flood testing, repair leaks, repeat flood tests, and make further repairs until roofing and flashing installations are watertight.
 - 1) Cost of retesting is Contractor's responsibility.
 - e. Testing agency shall prepare survey report indicating locations of initial leaks, if any, and final survey report.
 - 2. Electric Field Vector Mapping (EFVM): Testing agency shall survey entire roof area for potential leaks using electric field vector mapping (EFVM).
 - a. Perform tests before overlying construction is placed.
 - b. After testing, repair areas of discontinuities, repeat tests, and make further repairs until roofing and flashing installations are contiguous.
 - 1) Cost of retesting is Contractor's responsibility.
 - c. Testing agency shall prepare survey report indicating locations of initial discontinuities, if any.
- C. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion, in presence of Architect, and to prepare inspection report.
- D. Repair or remove and replace components of roofing system where inspections indicate that they do not comply with specified requirements.
- E. Additional testing and inspecting, at Contractor's expense, will be performed to determine if replaced or additional work complies with specified requirements.

3.12 PROTECTING AND CLEANING

- A. Protect roofing system from damage and wear during remainder of construction period. When remaining construction does not affect or endanger roofing system, inspect roofing system for deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.
- B. Correct deficiencies in or remove roofing system that does not comply with requirements, repair substrates, and repair or reinstall roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

3.13 ROOFING INSTALLER'S WARRANTY

- A. WHEREAS _____ of _____, herein called the "Roofing Installer," has performed roofing and associated work ("work") on the following project:
 - 1. Owner: <Insert name of Owner>.
 - 2. Address: <Insert address>.
 - 3. Building Name/Type: <Insert information>.
 - 4. Address: <Insert address>.
 - 5. Area of Work: <Insert information>.
 - 6. Acceptance Date: _____.
 - 7. Warranty Period: <Insert time>.
 - 8. Expiration Date: _____.
- B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant said work against leaks and faulty or defective materials and workmanship for designated Warranty Period,
- C. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period Roofing Installer will, at Roofing Installer's own cost and expense, make or cause to be made such repairs to or replacements of said work as are necessary to correct faulty and defective work and as are necessary to maintain said work in a watertight condition.
- D. This Warranty is made subject to the following terms and conditions:
 - 1. Specifically excluded from this Warranty are damages to work and other parts of the building, and to building contents, caused by:

- a. lightning;
 - b. peak gust wind speed exceeding <Insert mph (m/sec)>;
 - c. fire;
 - d. failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
 - e. faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
 - f. vapor condensation on bottom of roofing; and
 - g. activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.
2. When work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.
3. Roofing Installer is responsible for damage to work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of work.
4. During Warranty Period, if Owner allows alteration of work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this Warranty shall become null and void on date of said alterations, but only to the extent said alterations affect work covered by this Warranty. If Owner engages Roofing Installer to perform said alterations, Warranty shall not become null and void unless Roofing Installer, before starting said work, shall have notified Owner in writing, showing reasonable cause for claim, that said alterations would likely damage or deteriorate work, thereby reasonably justifying a limitation or termination of this Warranty.
5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a promenade, work deck, spray-cooled surface, flooded basin, or other use or service more severe than originally specified, this Warranty shall become null and void on date of said change, but only to the extent said change affects work covered by this Warranty.
6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect work and to examine evidence of such leaks, defects, or deterioration.
7. This Warranty is recognized to be the only warranty of Roofing Installer on said work and shall not operate to restrict or cut off Owner from other remedies and resources

lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of original work according to requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.

E. IN WITNESS THEREOF, this instrument has been duly executed this _____ day of _____, _____.

1. Authorized Signature: _____.

2. Name: _____.

3. Title: _____.

END OF SECTION

07 60 00 – FLASHING AND SHEET METAL

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES:

- A. Flashing and sheet metal components for building construction:
 - 1. Roof and sill flashings.
 - 2. Flashings at aluminum-framed storefronts.
- B. Sheet metal covers and counterflashings at roof mounted mechanical equipment and vent stacks.
- C. Counterflashings for plumbing, mechanical, electrical and other roof penetrations.
- D. Lead flashing at drains and pipes.

PART 2 - PRODUCTS

2.1 SHEET METAL FLASHING AND TRIM MATERIALS

- A. Sheet Metal Materials, General: Meet or exceed minimum requirements and recommendations of reference standards.
- B. Zinc-Coated (Galvanized) Steel: Commercial quality sheet steel with 0.20 percent copper, ASTM A526 except ASTM A527 for lock-forming; Coating Designation G60 hot-dip galvanized typically and G90 for parapet caps and concealed gutters, mill phosphatized where indicated for painting; 24 gauge minimum except as otherwise indicated or recommended by SMACNA Architectural Sheet Metal Manual or as follows:
 - 1. Gutters: 20 gauge.
 - 2. Parapet caps: 22 gauge.
- C. Lead: ASTM B749, Type L51121, copper-bearing sheet lead, minimum 4 lb/sq ft (0.0625-inch thick) except not less than 6 lb/sq ft (0.0937-inch thick) for burning (welding) unless otherwise indicated.
- D. Zinc Sheet and Strip: ASTM B69, Type I, minimum 0.024-inch thick.

2.2 ACCESSORY MATERIALS

- A. Accessory Materials: Provide accessory materials and other items essential to complete the sheet metal installation. Metal accessories shall be made of the same materials as the items to which they are applied.
- B. Underlayment: Asphalt saturated roofing felt (commonly referred to as #15 and #30 felt).

- C. Paper Slip Sheet: 5-lb. rosin-sized building paper.
- D. Polyethylene Underlayment: Reinforced polyethylene sheet, minimum 6 mils thick, resistant to decay when tested in accordance with ASTM E154.
- E. Fasteners, General: Use roofing nails typically.
 - 1. Sheet steel fasteners: Galvanized steel or stainless steel.
 - 2. Fasteners to wood substrate: Refer to Section 06 11 11 - Wood Backing, Blocking and Curbing for requirements. See details on Drawings. Use full-threaded screws unless otherwise indicated.
 - 3. Fasteners to concrete, masonry and metal substrates: Refer to Section 05 05 23 - Metal Fastenings for requirements. See details on Drawings.
 - a. Use threaded concrete and masonry anchors typically at concrete and solid masonry substrates.
 - b. Use self-drilling, self-threading fasteners typically at metal substrates.
 - c. Use sheet metal screws at wood substrates.
- F. Solder:
 - 1. For use with steel, 50 - 50 tin/lead solder (ASTM B32), with rosin flux.
 - 2. For use with stainless steel, provide 60 - 40 tin/lead solder (ASTM B32), with acid-chloride type flux, except use rosin flux over tinned surfaces.
- G. Flux: FS O-F-506.
- H. Shop Primer Paint:
 - 1. Shop primer for ferrous metal at exposed exterior locations: Tnemec 90E-92, ethyl silicate zinc-rich primer, or equal.
 - 2. Shop primer for ferrous metal at concealed exterior locations and for interior locations: Tnemec Series 10, modified alkyd rust-inhibitive primer, or manufacturer's or fabricator's standard, fast-curing, lead-free, universal modified alkyd primer, complying with performance requirements of FS TT-P-645.
 - 3. Shop primer for galvanized steel, for exposed exterior locations: Tnemec S-22 Galv-Gard, oil-cementitious coating.
- I. Field Primer and Finish Coatings: As specified in Section 09 90 00 - Painting and Coating.
- J. Bituminous Coating: Tnemec 46-450 Heavy Tnemecol, high-build mineral-filled coal tar pitch coating, or a cold-applied asphalt mastic complying with SSPC-Paint 12, except containing no asbestos fibers.
- K. Mastic Sealant: Polyisobutylene; non-hardening, non-skinning, non-drying, non-migrating sealant, as specified in Section 07 90 00 - Joint Protection.
- L. Elastomeric Sealant: Generic type recommended by manufacturer of metal and fabricator of components being sealed and complying with requirements for joint sealants as specified in Section 07 90 00 - Joint Protection.
- M. Epoxy Seam Sealer: 2-part non-corrosive metal seam cementing compound, recommended by metal manufacturer for exterior/interior non-moving joints including riveted joints.

- N. Adhesives: Type recommended by flashing sheet manufacturer for waterproof/weather-resistant seaming and adhesive application of flashing sheet.
- O. Elastic Flashing Filler: Closed-cell polyethylene or other soft closed-cell material recommended by elastic flashing manufacturer as filler under flashing loops to ensure movement with minimum stress on flashing sheet.
- P. Roofing Cement: Asphaltic cement, asbestos-free, complying with ASTM D4586, Type 1.
- Q. Lead Flashing: ASTM B749, minimum 4# lead with 6 to 7 percent antimony content.
- R. Miscellaneous Metal Accessories: Provide sheet metal clips, straps, anchoring devices, and similar accessory units as required for installation of the Work, matching or compatible with material being installed, non-corrosive, size and gauge required for performance.

PART 3 - EXECUTION

3.1 FABRICATION

- A. Shop Fabrication, General: Shop-fabricate sheet metal to greatest extent possible. Comply with details shown on Drawings and with applicable requirements of referenced standards and other recognized industry practices to accommodate local climatic considerations.
 - 1. Fabricate sheet metal for waterproof and weather-resistant performance, with expansion provisions for running work, sufficient to permanently prevent leakage, damage, or deterioration of the Work.
 - 2. Fabricate sheet metal items of the materials specified below. Form sheet metal Work to fit substrates.
 - 3. Form exposed sheet metal work without excessive oil-canning, buckling, and tool marks, true to line and levels indicated, with exposed edges folded back to form hems.
 - 4. Form pieces and sections in longest practical lengths, true to shape, accurate in size, square, and free from distortion or defects.
 - 5. Typically, provide sheet metal items in 8- to 10-foot lengths. Single pieces less than 8 feet long may be used to connect to factory-fabricated inside and outside corners, and at ends of runs.
 - 6. Fabricate vertical faces with bottom edge formed outward 1/4-inch and hemmed to form drip.
- B. Edges: Hem exposed edges on underside 1/2-inch. Miter and seam corners.
- C. Corners: Fabricated from one piece with minimum 18-inch long legs; lock seam and solder for rigidity.
- D. Seams: Typically fabricate non-moving seams in sheet metal with flat lock seams.
 - 1. Typical Seams: Overlapped and sealed seams.
 - 2. Coping Seams: Lock seams, flattened.
 - 3. Seams, Horizontal to Vertical Transitions: Solder joints.
 - 4. Soldered seams: Tin edges to be seamed, form seams, and solder.

- E. Configurations: As indicated on Drawings and as referenced to SMACNA Architectural Sheet Metal Manual.
- F. Expansion Provisions: Where lapped or bayonet-type expansion provisions in sheet metal Work cannot be used or would not be sufficiently waterproof and weatherproof, form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with mastic sealant (concealed within joints).
- G. Sealant Joints: Where movable, non-expansion type joints are indicated or required for proper performance of sheet metal Work, form metal to provide for proper installation of elastomeric sealant, in compliance with referenced SMACNA standards.
- H. Cleats and Starter Strips: Fabricated of same material as sheet metal fabrication, minimum 4 inches wide, except at continuous strips, interlockable with sheet metal fabrication. Typically use continuous strips.
- I. Exposed Sheet Metal Items: Galvanized sheet steel.
- J. Metal Separations: Provide for separation of metal from non-compatible metal or corrosive substrates by coating concealed surfaces at locations of contact, with bituminous coating or other permanent separation as recommended by manufacturer/fabricator.
- K. Pitch Pans: SMACNA Plates 65, 66, 67 and 68.

3.2 SHEET METAL FINISHES

- A. Sheet Metal Finish: Unless otherwise indicated, all exposed exterior sheet metal is intended to receive paint finish.
 - 1. Sheet metal at exterior walls and other locations exposed to public view: Finish as indicated on the Drawings.
 - a. Metallic paint finish shall be shop-applied and shall match metallic paint finish specified in Section 07 41 13 - Metal Roof Panels.
 - b. Solid color paint finish shall be field-applied coating as specified in Section 09 90 00 – Painting and Coating.
 - 2. Sheet metal exposed at metal roofing: Factory-applied paint finish as specified in Section 07 41 13 - Metal Roof Panels. Sheet metal shall be integral components of metal roofing system.
 - 3. Sheet metal at other locations not exposed to public view: Field coated as specified in Section 09 90 00 – Painting and Coating.
- B. Preparation: Shop prepare metal surfaces for field painting by bonderizing or priming. Pretreat galvanized metal as recommended by primer paint manufacturer.
- C. Priming: All exposed sheet metal, except stainless steel and shop finished metal, is intended for field finish painting. Shop prime all sheet metal to receive field finish coating. Exposed surfaces shall be ready for field finish coating as specified in Section 09 90 00 – Painting and Coating.
- D. Backpriming: Backpaint concealed metal surfaces with bituminous coating, to a minimum dry film thickness of 15 mils.
- E. Fasteners: Exposed fasteners shall match finish of surrounding material.

END OF SECTION

07 62 00 – SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Manufactured reglets with counterflashing.
2. Formed roof-drainage sheet metal fabrications.
3. Formed low-slope roof sheet metal fabrications.
4. Formed equipment support flashing.

B. Related Requirements:

1. [Section 061000 "Rough Carpentry"] [Section 061053 "Miscellaneous Rough Carpentry"] for wood nailers, curbs, and blocking.
2. Section 077200 "Roof Accessories" for set-on-type curbs, equipment supports, roof hatches, vents, and other manufactured roof accessory units.

1.2 COORDINATION

- A. Coordinate sheet metal flashing and trim layout and seams with sizes and locations of penetrations to be flashed, and joints and seams in adjacent materials.
- B. Coordinate sheet metal flashing and trim installation with adjoining roofing and wall materials, joints, and seams to provide leakproof, secure, and noncorrosive installation.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1. Review construction schedule. Verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
2. Review special roof details, roof drainage, roof-penetration flashing, equipment curbs, and condition of other construction that affect sheet metal flashing and trim.
3. Review requirements for insurance and certificates if applicable.
4. Review sheet metal flashing observation and repair procedures after flashing installation.

5. Obtain roofing manufacturer's review and acceptance of sheet metal roof flashings specified in this Section.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each manufactured product and accessory.
- B. Shop Drawings: For sheet metal flashing and trim.
 1. Include plans, elevations, sections, and attachment details.
 2. Detail fabrication and installation layouts, expansion-joint locations, and keyed details. Distinguish between shop- and field-assembled work.
 3. Include identification of material, thickness, weight, and finish for each item and location in Project.
 4. Include details for forming, including profiles, shapes, seams, and dimensions.
 5. Include details for joining, supporting, and securing, including layout and spacing of fasteners, cleats, clips, and other attachments. Include pattern of seams.
 6. Include details of termination points and assemblies.
 7. Include details of expansion joints and expansion-joint covers, including showing direction of expansion and contraction from fixed points.
 8. Include details of roof-penetration flashing.
 9. Include details of edge conditions, including eaves, ridges, valleys, rakes, crickets, and counterflashings as applicable.
 10. Include details of special conditions.
 11. Include details of connections to adjoining work.

1.5 QUALITY ASSURANCE

- A. Fabricator Qualifications: Employs skilled workers who custom fabricate sheet metal flashing and trim similar to that required for this Project and whose products have a record of successful in-service performance.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Do not store sheet metal flashing and trim materials in contact with other materials that might cause staining, denting, or other surface damage. Store sheet metal flashing and trim materials away from uncured concrete and masonry.
- B. Protect strippable protective covering on sheet metal flashing and trim from exposure to sunlight and high humidity, except to extent necessary for period of sheet metal flashing and trim installation.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. General: Sheet metal flashing and trim assemblies shall withstand wind loads, structural movement, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Completed sheet metal flashing and trim shall not rattle, leak, or loosen, and shall remain watertight.
- B. Sheet Metal Standard for Flashing and Trim: Comply with NRCA's "The NRCA Roofing Manual" and SMACNA's "Architectural Sheet Metal Manual" requirements for dimensions and profiles shown unless more stringent requirements are indicated.

2.2 SHEET METALS

- A. General: Protect mechanical and other finishes on exposed surfaces from damage by applying strippable, temporary protective film before shipping.
- B. Aluminum Sheet: ASTM B 209 (ASTM B 209M), alloy as standard with manufacturer for finish required, with temper as required to suit forming operations and performance required; with smooth, flat surface.
 - 1. Concealed Finish: Pretreat with manufacturer's standard white or light-colored acrylic or polyester backer finish, consisting of prime coat and wash coat with minimum total dry film thickness of 0.5 mil (0.013 mm).
- C. Metallic-Coated Steel Sheet: Provide zinc-coated (galvanized) steel sheet according to ASTM A 653/A 653M, G90 (Z275) coating designation or aluminum-zinc alloy-coated steel sheet according to ASTM A 792/A 792M, Class AZ50 (Class AZM150) coating designation, Grade 40 (Grade 275).
 - 1. Surface: Smooth, flat and mill phosphatized for field painting .

2.3 UNDERLAYMENT MATERIALS

- A. Self-Adhering, High-Temperature Sheet: Minimum 30 mils (0.76 mm) thick, consisting of a slip-resistant polyethylene- or polypropylene-film top surface laminated to a layer of butyl-

or SBS-modified asphalt adhesive, with release-paper backing; specifically designed to withstand high metal temperatures beneath metal roofing. Provide primer according to written recommendations of underlayment manufacturer.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Carlisle Coatings & Waterproofing Inc.; WIP 300 HT.
 - b. GCP Applied Technologies Inc. (formerly Grace Construction Products).; Ultra.
 - c. Henry Company.; Blueskin PE 200 HT.
 - d. Protecto Wrap Company.; Jiffy Seal Ice & Water Guard HT.
 - e. Or equal.
2. Thermal Stability: ASTM D 1970; stable after testing at 240 deg F (116 deg C) or higher.
3. Low-Temperature Flexibility: ASTM D 1970; passes after testing at minus 20 deg F (29 deg C) or lower.

B. Slip Sheet: Rosin-sized building paper, 3 lb/100 sq. ft. (0.16 kg/sq. m) minimum.

2.4 MISCELLANEOUS MATERIALS

- A. General: Provide materials and types of fasteners, solder, protective coatings, sealants, and other miscellaneous items as required for complete sheet metal flashing and trim installation and as recommended by manufacturer of primary sheet metal or manufactured item unless otherwise indicated.
- B. Fasteners: Self-tapping screws, self-locking rivets and bolts, and other suitable fasteners designed to withstand design loads and recommended by manufacturer of primary sheet metal or manufactured item.
 1. General: Blind fasteners or self-drilling screws, gasketed, with hex-washer head.
 - a. Exposed Fasteners: Heads matching color of sheet metal using plastic caps or factory-applied coating. Provide metal-backed EPDM or PVC sealing washers under heads of exposed fasteners bearing on weather side of metal.
 - b. Blind Fasteners: High-strength aluminum or stainless-steel rivets suitable for metal being fastened.
 - c. Spikes and Ferrules: Same material as gutter; with spike with ferrule matching internal gutter width.
 2. Fasteners for Aluminum Sheet: Aluminum or Series 300 stainless steel.

3. Fasteners for Zinc-Coated (Galvanized) Aluminum-Zinc Alloy-Coated Steel Sheet: Series 300 stainless steel or hot-dip galvanized steel according to ASTM A 153/A 153M or ASTM F 2329.

C. Solder:

1. For Zinc-Coated (Galvanized) Steel: ASTM B 32, Grade Sn50, 50 percent tin and 50 percent lead or Grade Sn60, 60 percent tin and 40 percent lead with maximum lead content of 0.2 percent.

D. Sealant Tape: Pressure-sensitive, 100 percent solids, polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1/2 inch (13 mm) wide and 1/8 inch (3 mm) thick.

E. Elastomeric Sealant: ASTM C 920, elastomeric polyurethane polymer sealant; of type, grade, class, and use classifications required to seal joints in sheet metal flashing and trim and remain watertight.

F. Butyl Sealant: ASTM C 1311, single-component, solvent-release butyl rubber sealant; polyisobutylene plasticized; heavy bodied for hooked-type expansion joints with limited movement.

G. Epoxy Seam Sealer: Two-part, noncorrosive, aluminum seam-cementing compound, recommended by aluminum manufacturer for exterior nonmoving joints, including riveted joints.

H. Bituminous Coating: Cold-applied asphalt emulsion according to ASTM D 1187.

2.5 FABRICATION, GENERAL

A. General: Custom fabricate sheet metal flashing and trim to comply with details shown and recommendations in cited sheet metal standard that apply to design, dimensions, geometry, metal thickness, and other characteristics of item required. Fabricate sheet metal flashing and trim in shop to greatest extent possible.

1. Fabricate sheet metal flashing and trim in thickness or weight needed to comply with performance requirements, but not less than that specified for each application and metal.
2. Obtain field measurements for accurate fit before shop fabrication.
3. Form sheet metal flashing and trim to fit substrates without excessive oil canning, buckling, and tool marks; true to line, levels, and slopes; and with exposed edges folded back to form hems.
4. Conceal fasteners and expansion provisions where possible. Do not use exposed fasteners on faces exposed to view.

B. Fabrication Tolerances: Fabricate sheet metal flashing and trim that is capable of installation to a tolerance of 1/4 inch in 20 feet (6 mm in 6 m) on slope and location lines

indicated on Drawings and within 1/8-inch (3-mm) offset of adjoining faces and of alignment of matching profiles.

- C. Fabrication Tolerances: Fabricate sheet metal flashing and trim that is capable of installation to tolerances specified in MCA's "Guide Specification for Residential Metal Roofing."
- D. Expansion Provisions: Form metal for thermal expansion of exposed flashing and trim.
 - 1. Form expansion joints of intermeshing hooked flanges, not less than 1 inch (25 mm) deep, filled with butyl sealant concealed within joints.
 - 2. Use lapped expansion joints only where indicated on Drawings.
- E. Sealant Joints: Where movable, nonexpansion-type joints are required, form metal to provide for proper installation of elastomeric sealant according to cited sheet metal standard.
- F. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal.
- G. Fabricate cleats and attachment devices of sizes as recommended by cited sheet metal standard for application, but not less than thickness of metal being secured.
- H. Seams: Fabricate nonmoving seams with flat-lock seams. Tin edges to be seamed, form seams, and solder.
- I. Seams: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with elastomeric sealant unless otherwise recommended by sealant manufacturer for intended use. Rivet joints where necessary for strength.
- J. Seams for Aluminum: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with epoxy seam sealer. Rivet joints where necessary for strength.
- K. Do not use graphite pencils to mark metal surfaces.

2.6 ROOF-DRAINAGE SHEET METAL FABRICATIONS

- A. Downspouts: Fabricate round downspouts to dimensions indicated, complete with mitered elbows. Furnish with metal hangers from same material as downspouts and anchors. Shop fabricate elbows.
 - 1. Manufactured Hanger Style: As indicated. If not indicated, then use Fig 1-34A according to SMACNA's "Architectural Sheet Metal Manual."
 - 2. Fabricate from the following materials:
 - a. Galvanized Steel: 0.034 inch (0.86 mm) thick.

- B. Parapet Scuppers: Fabricate scuppers to dimensions required, with closure flange trim to exterior, 4-inch- (100-mm-) wide wall flanges to interior, and base extending 4 inches (100 mm) beyond cant or tapered strip into field of roof. Fabricate from the following materials:

1. Galvanized Steel: 0.028 inch (0.71 mm) thick.

- C. Conductor Heads: Fabricate conductor heads with flanged back and stiffened top edge and of dimensions and shape required, complete with outlet tubes, exterior flange trim, and built-in overflows. Fabricate from the following materials:

1. Galvanized Steel: 0.028 inch (0.71 mm) thick.

- D. Splash Pans: Fabricate to dimensions and shape required and from the following materials:

1. Stainless Steel: 0.025 inch thick.

2.7 LOW-SLOPE ROOF SHEET METAL FABRICATIONS

- A. Copings: Fabricate in minimum 96-inch- (2400-mm-) long, but not exceeding 12-foot- (3.6-m-) long, sections. Fabricate joint plates of same thickness as copings. Furnish with continuous cleats to support edge of external leg and drill elongated holes for fasteners on interior leg. Miter corners, fasten and seal solder or weld watertight. Shop fabricate interior and exterior corners.

1. Coping Profile: as indicated and matching standard details/figures for shop fabricated coping according to SMACNA's "Architectural Sheet Metal Manual."

2. Joint Style: Butted with expansion space and 6-inch- (150-mm-) wide, concealed backup plate.

3. Fabricate from the Following Materials:

a. Aluminum: 0.050 inch (1.27 mm) thick.

- B. Roof and Roof-to-Wall Transition Expansion-Joint Cover: Fabricate from the following materials: Shop fabricate interior and exterior corners.

1. Stainless Steel: 0.025 inch (0.64 mm) thick.

- C. Base Flashing: Shop fabricate interior and exterior corners. Fabricate from the following materials:

1. Galvanized Steel: 0.028 inch (0.71 mm) thick.

- D. Counterflashing: Shop fabricate interior and exterior corners. Fabricate from the following materials:

1. Stainless Steel: 0.019 inch (0.48 mm) thick.

E. Flashing Receivers: Fabricate from the following materials:

1. Stainless Steel: 0.016 inch (0.40 mm) thick.

F. Roof-Penetration Flashing: Fabricate from the following materials:

1. Stainless Steel: 0.019 inch (0.48 mm) Insert dimension thick.

G. Roof-Drain Flashing: Fabricate from the following materials:

1. Stainless Steel: 0.025 inch thick.

2.8 MISCELLANEOUS SHEET METAL FABRICATIONS

A. Equipment Support Flashing: Fabricate from the following materials:

1. Galvanized Steel: 0.028 inch (0.71 mm) thick.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, substrate, and other conditions affecting performance of the Work.

1. Verify compliance with requirements for installation tolerances of substrates.
2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and securely anchored.
3. Verify that air- or water-resistant barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 UNDERLAYMENT INSTALLATION

A. Felt Underlayment: Install felt underlayment, wrinkle free, using adhesive to minimize use of mechanical fasteners under sheet metal flashing and trim. Apply in shingle fashion to shed water, with lapped joints of not less than 2 inches (50 mm).

B. Synthetic Underlayment: Install synthetic underlayment, wrinkle free, according to manufacturers' written instructions, and using adhesive where possible to minimize use of mechanical fasteners under sheet metal.

- C. Self-Adhering Sheet Underlayment: Install self-adhering sheet underlayment, wrinkle free. Prime substrate if recommended by underlayment manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation; use primer for installing underlayment at low temperatures. Apply in shingle fashion to shed water, with end laps of not less than 6 inches (150 mm) staggered 24 inches (600 mm) between courses. Overlap side edges not less than 3-1/2 inches (90 mm). Roll laps and edges with roller. Cover underlayment within 14 days.
- D. Apply slip sheet, wrinkle free, over underlayment before installing sheet metal flashing and trim.

3.3 INSTALLATION, GENERAL

- A. General: Anchor sheet metal flashing and trim and other components of the Work securely in place, with provisions for thermal and structural movement. Use fasteners, solder, protective coatings, separators, sealants, and other miscellaneous items as required to complete sheet metal flashing and trim system.
 - 1. Install sheet metal flashing and trim true to line, levels, and slopes. Provide uniform, neat seams with minimum exposure of solder, welds, and sealant.
 - 2. Install sheet metal flashing and trim to fit substrates and to result in watertight performance. Verify shapes and dimensions of surfaces to be covered before fabricating sheet metal.
 - 3. Space cleats not more than 12 inches (300 mm) apart. Attach each cleat with at least two fasteners. Bend tabs over fasteners.
 - 4. Install exposed sheet metal flashing and trim with limited oil canning, and free of buckling and tool marks.
 - 5. Torch cutting of sheet metal flashing and trim is not permitted.
 - 6. Do not use graphite pencils to mark metal surfaces.
- B. Metal Protection: Where dissimilar metals contact each other, or where metal contacts pressure-treated wood or other corrosive substrates, protect against galvanic action or corrosion by painting contact surfaces with bituminous coating or by other permanent separation as recommended by sheet metal manufacturer or cited sheet metal standard.
 - 1. Coat concealed side of uncoated-aluminum and stainless-steel sheet metal flashing and trim with bituminous coating where flashing and trim contact wood, ferrous metal, or cementitious construction.
 - 2. Underlayment: Where installing sheet metal flashing and trim directly on cementitious or wood substrates, install underlayment and cover with slip sheet.
- C. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at maximum of 10 feet (3 m) with no joints within 24 inches (600 mm) of corner or intersection.

1. Form expansion joints of intermeshing hooked flanges, not less than 1 inch (25 mm) deep, filled with sealant concealed within joints.
2. Use lapped expansion joints only where indicated on Drawings.
- D. Fasteners: Use fastener sizes that penetrate substrate not less than recommended by fastener manufacturer to achieve maximum pull-out resistance.
- E. Conceal fasteners and expansion provisions where possible in exposed work and locate to minimize possibility of leakage. Cover and seal fasteners and anchors as required for a tight installation.
- F. Seal joints as required for watertight construction.
 1. Use sealant-filled joints unless otherwise indicated. Embed hooked flanges of joint members not less than 1 inch (25 mm) into sealant. Form joints to completely conceal sealant. When ambient temperature at time of installation is between 40 and 70 deg F (4 and 21 deg C), set joint members for 50 percent movement each way. Adjust setting proportionately for installation at higher ambient temperatures. Do not install sealant-type joints at temperatures below 40 deg F (4 deg C).
 2. Prepare joints and apply sealants to comply with requirements in Section 079200 "Joint Sealants."
- G. Soldered Joints: Clean surfaces to be soldered, removing oils and foreign matter. Pre-tin edges of sheets with solder to width of 1-1/2 inches (38 mm); however, reduce pre-tinning where pre-tinned surface would show in completed Work.
 1. Do not solder metallic-coated steel and aluminum sheet.
 2. Do not use torches for soldering.
 3. Heat surfaces to receive solder, and flow solder into joint. Fill joint completely. Completely remove flux and spatter from exposed surfaces.
 4. Stainless-Steel Soldering: Tin edges of uncoated sheets, using solder for stainless steel and acid flux. Promptly remove acid flux residue from metal after tinning and soldering. Comply with solder manufacturer's recommended methods for cleaning and neutralization.

3.4 ROOF-DRAINAGE SYSTEM INSTALLATION

- A. General: Install sheet metal roof-drainage items to produce complete roof-drainage system according to cited sheet metal standard unless otherwise indicated. Coordinate installation of roof perimeter flashing with installation of roof-drainage system.
- B. Built-in Gutters: Join sections with riveted and soldered joints or joints sealed with sealant. Provide for thermal expansion. Slope to downspouts. Provide end closures and seal watertight with sealant.

1. Install underlayment layer in built-in gutter trough and extend to drip edge at eaves and under underlayment on roof sheathing. Lap sides minimum of 2 inches (50 mm) over underlying course. Lap ends minimum of 4 inches (100 mm). Stagger end laps between succeeding courses at least 72 inches (1830 mm). Fasten with roofing nails. Install slip sheet over underlayment.
 2. Anchor back of gutter that extends onto roof deck with cleats spaced not more than 18 inches (460 mm) apart.
 3. Install gutter with expansion joints at locations indicated, but not exceeding, 50 feet (15.24 m) apart. Install expansion-joint caps.
- C. Downspouts: Join sections with 1-1/2-inch (38-mm) telescoping joints.
1. Provide hangers with fasteners designed to hold downspouts securely to walls. Locate hangers at top and bottom and at approximately 60 inches (1500 mm) o.c.
 2. Provide elbows at base of downspout to direct water away from building.
 3. Connect downspouts to underground drainage system.
- D. Splash Pans or plant precast splash blocks: Install where downspouts discharge on low-slope roofs and grade level. Place on walkpad surface at roof. Place on grade at downspout discharge.
- E. Parapet Scuppers: Continuously support scupper, set to correct elevation, and seal flanges to interior wall face, over cants or tapered edge strips, and under roofing membrane.
1. Anchor scupper closure trim flange to exterior wall and solder or seal with elastomeric sealant to scupper.
 2. Loosely lock front edge of scupper with conductor head.
 3. Solder exterior wall scupper flanges into back of conductor head.
- F. Conductor Heads: Anchor securely to wall, with elevation of conductor head rim at minimum of 1 inch (25 mm) below scupper or gutter discharge.
- G. Expansion-Joint Covers: Install expansion-joint covers at locations and of configuration indicated. Lap joints minimum of 4 inches (100 mm) in direction of water flow.

3.5 ROOF FLASHING INSTALLATION

- A. General: Install sheet metal flashing and trim to comply with performance requirements, sheet metal manufacturer's written installation instructions, and cited sheet metal standard. Provide concealed fasteners where possible, and set units true to line, levels, and slopes. Install work with laps, joints, and seams that are permanently watertight and weather resistant.

- B. Roof Edge Flashing: Anchor to resist uplift and outward forces according to recommendations in cited sheet metal standard unless otherwise indicated. Interlock bottom edge of roof edge flashing with continuous cleat anchored to substrate at staggered 3-inch (75-mm) centers.
- C. Copings: Anchor to resist uplift and outward forces according to recommendations in cited sheet metal standard unless otherwise indicated.
 - 1. Interlock exterior bottom edge of coping with continuous cleat anchored to substrate at 16-inch (400-mm) centers.
 - 2. Anchor interior leg of coping with washers and screw fasteners through slotted holes at 16-inch (400-mm) 24-inch (600-mm) centers.
- D. Pipe or Post Counterflashing: Install counterflashing umbrella with close-fitting collar with top edge flared for elastomeric sealant, extending minimum of 4 inches (100 mm) over base flashing. Install stainless-steel draw band and tighten.
- E. Counterflashing: Coordinate installation of counterflashing with installation of base flashing. Insert counterflashing in reglets or receivers and fit tightly to base flashing. Extend counterflashing 4 inches (100 mm) over base flashing. Lap counterflashing joints minimum of 4 inches (100 mm). Secure in waterproof manner by means of interlocking folded seam or blind rivets and sealant unless otherwise indicated.
- F. Roof-Penetration Flashing: Coordinate installation of roof-penetration flashing with installation of roofing and other items penetrating roof. Seal with elastomeric sealant and clamp flashing to pipes that penetrate roof.

3.6 MISCELLANEOUS FLASHING INSTALLATION

- A. Equipment Support Flashing: Coordinate installation of equipment support flashing with installation of roofing and equipment. Weld or seal flashing with elastomeric sealant to equipment support member.

3.7 ERECTION TOLERANCES

- A. Installation Tolerances: Shim and align sheet metal flashing and trim within installed tolerance of 1/4 inch in 20 feet (6 mm in 6 m) on slope and location lines indicated on Drawings and within 1/8-inch (3-mm) offset of adjoining faces and of alignment of matching profiles.
- B. Installation Tolerances: Shim and align sheet metal flashing and trim within installed tolerances specified in MCA's "Guide Specification for Residential Metal Roofing."

3.8 CLEANING AND PROTECTION

- A. Clean exposed metal surfaces of substances that interfere with uniform oxidation and weathering.

- B. Clean and neutralize flux materials. Clean off excess solder.
- C. Clean off excess sealants.
- D. Remove temporary protective coverings and strippable films as sheet metal flashing and trim are installed unless otherwise indicated in manufacturer's written installation instructions. On completion of sheet metal flashing and trim installation, remove unused materials and clean finished surfaces as recommended by sheet metal flashing and trim manufacturer. Maintain sheet metal flashing and trim in clean condition during construction.
- E. Replace sheet metal flashing and trim that have been damaged or that have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION

07 71 00 – ROOF SPECIALTIES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES:

- A. Factory-manufactured reglets and counterflashing.
- B. Factory-manufactured, formed aluminum parapet copings.

PART 2 - PRODUCTS

2.1 REGLETS

- A. Specified Manufacturer: Fry Reglet Corporation, Alhambra, CA (626/289-4744 or 800/237-9773).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. O'Keefes, Inc., Aluminum Building Products, San Francisco, CA (415/822-4222 or 800/227-3305).
 - 2. MM Systems Corporation, Tucker, GA (404/938-7570 or 800/241-3460).

2.2 FORMED ALUMINUM PARAPET COPINGS

- A. Specified Manufacturer: MM Systems Corporation, Tucker, GA (404/938-7570 or 800/241-3460; local representative, Specialty Building Components, Whittier, CA, 310/945-8951).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. W.P. Hickman Co., Asheville, NC (704/274-4000)

PART 3 - EXECUTION

3.1 REGLETS

- A. Reglets and Flashing, General: Springlok Flashing, as manufactured by Fry Reglet Corporation, formed metal reglet with snap-in metal counter-flashing, factory-fabricated, with a minimum opening of 1/4-inch and a depth of 1-1/4 inches.
 - 1. Reglet material: Galvanized steel.

2. Flashing material: 0.020-inch Type 302 stainless steel.
 3. End laps: Factory-formed, 1 inch at reglets and 3-inch at flashings.
 4. Corners: Provide built-up mitered corner pieces for internal and external angles.
 5. Wind clips: Provide Fry Windlok Clip, sheet metal clips to be secured to wall prior to installing flashing in reglet, and to be bent up over bottom edge of flashing.
- B. Surface-Applied Reglets, on Concrete Walls: Fry Springlok Flashing System Type SM.
- C. Recessed Reglets, in Exterior Wall Finish: Fry Springlok Flashing System Type ST.
- D. Mounting Provisions: Provide slotted mounting holes spaced 16 inches on center for fastening reglet to wall.
- E. Accessories:
1. Corners: Factory-manufactured, mitered inside and outside corners.
 2. Splices: Factory-manufactured, integral component of reglet and flashing system.
- 3.2 FORMED ALUMINUM PARAPET COPINGS
- A. Formed Aluminum Parapet Coping: MM Systems Snap-Lok Coping System, multi-part coping system, style to suit size indicated on Drawings and existing wall conditions.
1. Coping shall be formed from 0.063-inch aluminum sheet to profile and of thickness indicated.
 2. Anchor plate shall be minimum nominal 0.0276-inch (0.7-mm) thick, zinc-coated steel anchor plate or cleat located at coping joint.
 3. Provide formed aluminum gutter chair or gutter/splice plate or compression pad/gutter.
 4. Inside and outside corners shall be prefabricated, with miters welded before finishing.
 5. Coping system shall require no exposed fasteners.
- 3.3 ACCESSORY MATERIALS
- A. Accessory Materials: Manufacturer's standard anchors, fasteners, set screws, spacers, seals and filler materials, adhesive, and other accessories compatible with material in contact, as indicated or required for complete installations.
- B. Anchors and Fasteners: Comply with general requirements specified in Section 05 05 23 – Metal Fastenings. Unless otherwise indicated, provide fasteners of type, grade and class required for intended use and sized and spaced as required for loads and substrate.
1. For fastening galvanized steel to concrete substrate: Zinc-coated (galvanized) or stainless steel. Steel with cadmium-plating or other rust-inhibitive coating, except at aluminum materials provide
 2. For fastening aluminum: Stainless steel only.
- C. Screw Heads, Typical: Unless otherwise noted, exposed screws shall be Phillips oval or flat head, countersunk.

- D. Bituminous Coating: Tnemec 46-450 Heavy Tnemecol, high-build mineral-filled coal tar pitch coating, or a cold-applied asphalt mastic complying with SSPC-Paint 12, except containing no asbestos fibers.

3.4 FABRICATION AND FINISHING

- A. Formed Aluminum Parapet Coping Fabrication:
 - 1. Furnish units in longest practicable lengths to minimize number of end joints. Minimize site splicing.
 - 2. Provide hairline mitered corners where coping changes directions or abuts other materials.
 - 3. Provide factory splices, guttering and other components of manufactured coping system. Installed coping shall present continuous faces and edges, with no apparent joints from ground level.
 - 4. Back paint components in contact with cementitious materials to prevent electrolysis.
- B. Metal Finishes, General: Comply with NAAMM - Metal Finishes Manual, for finish designations and application recommendations, except as otherwise indicated. Apply finishes in factory after products are fabricated. Protect finishes on exposed surfaces with protective covering before shipment.
- C. Aluminum Finishes:
 - 1. Concealed aluminum components: AA-M10 (unspecified mill finish).
 - 2. Exposed aluminum components: Thermoplastic organic coating system containing minimum 70 percent Kynar 500/Hylar 5000 polyvinylidene fluoride (PVDF) resin, factory-applied, complying with American Architectural Manufacturers Association (AAMA) standard AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels and Architectural Spray Coaters Association (ASCA) standard ASCA 96 - Voluntary Specification for Superior Performance of Organic Coatings. Provide custom color to match color used for field painted exterior metal products.
- D. Concealed Steel Components: Hot-dipped galvanized or stainless steel.

END OF SECTION

07 72 00 – ROOF ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Roof access hatches.

1.3 SUBMITTALS

- A. Submit product data for all accessories.

PART 2 - PRODUCTS

2.1 ROOF HATCHES

- A. Specified Manufacturer: The Bilco Company, New Haven, CT (208/934-6363; local representative, Specialty Building Components, Whittier, CA, 310/945-8951).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Dur-Red Products, Cudahy, CA (213/771-9000).
 - 2. Milcor, Lima, OH (419/227-6899).
 - 3. Wasco Products, Inc., Sanford, ME (207/324-8060 or 800/388-1181).
 - 4. Acralight International Skylights, Santa Ana, CA (800/325-4355).
- C. Vertical Ladder Roof Access Hatches (Scuttles): Bilco Type E, steel roof scuttle for installation at vertical roof access ladder. Scuttle shall have clear inside curb dimensions of 2 feet 6 inches by 3 feet 0 inches.
- D. Curb: 12 inches high, fabricated from 14 gauge steel and formed with 3-1/2-inch flanges with drilled holes for attachment to roof deck. Provide curb with integral cap flashing formed from 14 gauge galvanized steel.
- E. Cover: 14 gauge galvanized steel sheet with 3-inch beaded flange, neatly welded.
 - 1. Cover hardware: Heavy pintel hinges, compression spring operators enclosed in telescopic tubes, positive snap latch with turn handles and padlock hasps inside and outside, and thermoplastic rubber gasket.
 - 2. Cover operator: Automatic hold-open arm complete with red vinyl grip handle to permit easy release and one-hand control of cover to closed and latched position.

- F. Access Ladder Safety Rail: Acralight, Acragrab rail or equal.
- G. Access Hatch Finish: Factory primer finish, ready for field finish painting as specified in Section 09 90 00 – Painting and Coating.

PART 3 - EXECUTION - NOT USED

END OF SECTION

07 84 00 – FIRESTOPPING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 Section includes:

- A. Penetration seals through fire and smoke barriers, including:
 - 1. Voids around:
 - a. Pipes.
 - b. Ducts.
 - c. Conduit.
 - d. Cables and wires not in conduit.
 - e. Structural framing.
 - 2. Joints between smoke barriers and other construction.
 - 3. Other joints and openings, as required by authorities having jurisdiction and as necessary to maintain fire-resistive integrity of wall, ceiling and floor construction.
- B. Firesafing as draftstop to subdivide concealed construction to prevent passage of smoke, fumes and flame during fire.

PART 2 - PRODUCTS

- A. Acceptable Manufacturers: Products of the manufacturers listed below will be acceptable, subject to approval of Division of the State Architect (DSA). Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Bio Fireshield, Inc., Concord, MA (508/369-7700 or 800/221-8408).
 - 2. The Carborundum Company, Niagara Falls, NY (716/278-2000).
 - 3. GE Silicones, Waterford, NY (800/255-8886).
 - 4. Nelson Firestop Products, Tulsa, OK (918/627-5530 or 800/331-7325).
 - 5. Semco Division/Products Research and Chemical Corporation, Glendale, CA (818/247-7140 or 800/423-2411).
 - 6. Fire Protection Products Group, 3M Ceramic Materials Department, St. Paul, MN (612/733-1110).
 - 7. Hilti, Inc., Tulsa, OK (800/333-1150).

PART 3 - EXECUTION

3.1 FIRESTOPPING AND SMOKE SEALS MATERIALS

A. Firestopping and Smoke Seals Materials, General:

1. Materials shall be asbestos-free.
2. All firestopping and smokestopping materials, assemblies and installation details shall comply with the requirements of authorities having jurisdiction, including the Building Official and the Fire Marshal having jurisdiction over the facility.
3. It shall be the Contractor's responsibility to determine the types of penetrations and gaps to be sealed and to select appropriate firestopping and smokestopping system designs.
4. All firestopping and smokestopping products shall be from a single manufacturer throughout the project, regardless of system or trade responsible for the penetrating components through the fire or smoke barrier.
5. Provide products which:
 - a. Allow normal expansion and contraction movement of the penetrating or adjoining elements without failure of the penetration or gap seal.
 - b. Emit no hazardous, combustible, or irritating by-products during installation or curing period.
 - c. Do not require special tools for installation or maintenance, including removal and reinstallation of firestopping or smokestopping products to accommodate addition or deletion of penetrating components.
6. Where gunnable or pourable sealant is used, provide only fully-curing types of sealant where penetration accessible in the finished Work.

B. Through-Penetration Firestopping at Fire-Rated Construction: Provide firestopping materials and assemblies to seal all penetrations at all fire barriers. Firestopping assemblies shall be listed in the UL Fire Resistance Directory under categories XHCR and XHEZ, providing that such assemblies conform to the construction type, penetration type, annular space requirements and fire rating requirement for each distinct condition, and that the system shall be symmetrical for wall applications.

1. Fire-resistance ratings of each firestopping assembly shall be determined by testing in the configurations necessary for Project conditions and fire-resistance ratings shall be at least as high as that of the fire barrier in which the firestopping assembly is installed.
2. If a tested assembly is not available for a particular penetration configuration, modify the penetration configuration to suit available assemblies, as acceptable to authorities having jurisdiction. Do not modify assembly configuration except as specifically stated in the test report or as approved by authorities having jurisdiction.

C. Construction Gap Firestopping at Fire-Rated Construction: Provide firestopping materials and assemblies to seal all gaps between building elements at all fire barriers. Firestopping assemblies shall be listed in the UL Fire Resistance Directory and shall conform to the construction type, type of gap and fire rating requirement for each distinct condition.

- D. Smokestopping at Smoke Partitions: Provide firestopping assemblies to seal all penetrations at all smoke barriers. Sealing materials shall be any firestopping assembly using the same materials as used for firestopping in fire-rated construction, specified above, provided that such assembly includes rating as a smoke seal and is acceptable to authorities having jurisdiction. Fire resistance time may be disregarded.
- E. Warning Labels: Self-adhesive or wired-on labels, providing warning that penetration or gap has been sealed with firestopping or smokestopping and providing pertinent information about such firestopping or smokestopping.
 - 1. Label shall be as acceptable by authorities having jurisdiction, including size of label, size of lettering and color of lettering.
 - 2. At a minimum, label shall include:
 - a. Product used for sealing penetration or gap.
 - b. "WARNING" and "DO NOT REMOVE".
 - c. Installer's firm name.
 - d. UL classification number.
 - e. Hour rating, if fire barrier.
 - f. Date.

END OF SECTION

07 90 00 – JOINT PROTECTION

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Exterior joints sealers in vertical surfaces and nontraffic horizontal surfaces.
- B. Exterior joints in horizontal traffic surfaces.
- C. Interior joints in vertical surfaces and horizontal nontraffic surfaces.
- D. Interior joints in horizontal traffic surfaces.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

- A. Compatibility: Provide joint sealers, joint fillers and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
- B. Colors: Standard or custom colors as selected by Architect to match or suit surrounding finish materials.

2.2 ELASTOMERIC JOINT SEALANTS

- A. Elastomeric Sealant Standard: Provide manufacturer's standard chemically curing, elastomeric sealant of base polymer indicated which complies with ASTM C920 requirements, including those referenced for Type, Grade, Class, and Uses.
- B. One-Part Neutral-Curing Silicone Sealant (Sealant Types A1 and A2): Type S, Grade NS, Class 25; suitable for Uses T, NT, M, G, A, and, as applicable to joint substrates indicated, O.
 - 1. Sealant Type 1A: Dow Corning 790 Silicone Building Sealant. No substitutions will be considered.
 - 2. Sealant Type 1B: Dow Corning 795 Silicone Building Sealant, by Dow Corning Corp., GE Silpruf by General Electric Company, or Pecora 895 by Pecora Corporation.
- C. One-Part Mildew-Resistant Silicone Sealant (Sealant Type 2): Type S, Grade NS, Class 25; suitable for Uses NT, G, A, and, as applicable to non-porous joint substrates indicated, O; formulated with fungicide; intended for sealing interior joints with non-porous substrates and subject to in-service exposure to conditions of high humidity and temperature extremes; Dow Corning 786 Mildew Resistant Silicone Sealant, by Dow Corning Corp. or GE

Silicones 1700 Sanitary Sealant, by General Electric Company or 898 Silicone, by Pecora Corporation.

- D. One-Part Moisture-Cured Polyurethane (Sealant Type 3): Type M, Grade NS, Class 25; Sikaflex -2c NS/SL by Sika Corporation or Sonneborn SL-2 by Sonneborn Building Products.

2.3 LATEX JOINT SEALANTS

- A. Acrylic-Emulsion Sealant (Sealant Type 4): Manufacturer's standard, one part, non-sag, mildew-resistant, acrylic-emulsion sealant complying with ASTM C834, formulated to be paintable and recommended for exposed applications on interior and on protected exterior locations involving joint movement of not more than plus or minus 5 percent; one of the following:
 - 1. Chem-Calk 600, by Bostik Construction Products Div.
 - 2. AC-20, by Pecora Corp.
 - 3. Sonolac, by Sonneborn Building Products Div.; Rexnord Chemical Products, Inc.
 - 4. Tremco Acrylic Latex 834, by Tremco Inc.

2.4 JOINT SEALANTS FOR PAVING

- A. Specified Manufacturer: L.M. Scofield Company, Los Angeles, CA, (213/720-3000 or 800/800-9900).
- B. Acceptable Manufacturers: None identified. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
- C. Three-Component Paving Joint Sealant (Sealant Type 5): Lithoseal Trafficalk-3G by L.M. Scofield Company, three-component urethane formulation with proprietary hybrid polymer,, which cures to a firm, flexible, tear-resistant rubber, complying with ASTM C920 Type M, Grade NS, Class 25, suitable for Use T.
 - 1. Consistency: Gun-grade.
 - 2. Shore hardness: 40 +/-5.
 - 3. Joint movement capability: +/-25 percent.
 - 4. Ultimate elongation: 500 percent plus.
 - 5. Service temperature range: -40 to 158 degrees F.
 - 6. Paving Joint Sealant Color: As selected by Architect from manufacturer's full 72 color selection.

2.5 JOINT SEALANT BACKING

- A. Joint Sealant Backing, General: Provide sealant backings of material and type which are non-staining; are compatible with joint substrates, sealants, primers and other joint fillers; and are approved for applications indicated by sealant manufacturer based on field experience and laboratory testing.
- B. Plastic Foam Joint Fillers: Preformed, compressible, resilient, non-waxing, non-extruding strips of flexible, non-gassing plastic foam of material indicated below; non-absorbent to

water and gas; and of size, shape and density to control sealant depth and otherwise contribute to producing optimum sealant performance.

1. Specified Manufacturer and Product: Applied Technologies, Inc., Sof Rod, proprietary, reticulated, closed-cell polymeric foam, non-outgassing, with a density of 2.5 pcf and tensile strength of 35 psi per ASTM D1623, and with water absorption less than 0.02 gms/cc in accordance with ASTM C1083.
 2. Acceptable Manufacturer and Product: None identified. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
- C. Elastomeric Tubing Joint Fillers: Neoprene, butyl, EPDM, or silicone tubing complying with ASTM D1056, non-absorbent to water and gas, capable of remaining resilient at temperatures down to -26 degrees F. Provide products with low compression set and of size and shape to provide a secondary seal, to control sealant depth, and otherwise contribute to optimum sealant performance.
- D. Bond-Breaker Tape: Polyethylene tape or other plastic tape as recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint filler materials or joint surfaces at back of joint where such adhesion would result in sealant failure. Provide self-adhesive tape where applicable.
- 2.6 JOINT FILLERS FOR PAVING
- A. Joint Fillers for Paving, General: Provide joint fillers of thickness and widths indicated.
- B. Bituminous Fiber Joint Filler: Preformed strips of composition below, complying with ASTM D1751, asphalt saturated fiberboard.
- 2.7 MISCELLANEOUS MATERIALS
- A. Primer: Provide type recommended by joint sealer manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint sealer-substrate tests and field tests.
- B. Cleaners for Non-porous Surfaces: Provide non-staining, chemical cleaners of type which are acceptable to manufacturers of sealants and sealant backing materials, which are not harmful to substrates and adjacent non-porous materials, and which do not leave oily residues or otherwise have a detrimental effect on sealant adhesion or in-service performance.
- C. Masking Tape: Provide non-staining, non-absorbent type compatible with joint sealants and to surfaces adjacent to joints.

PART 3 - EXECUTION - NOT USED

END OF SECTION

DIVISION 08 – OPENINGS

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements.

08 11 00 – METAL DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Flush hollow steel doors, fire-rated and non-rated.
- B. Rolled steel door, sidelight and fixed window frames, welded construction ("hollow metal" frames).
- C. Vision lights and louvers in doors.

PART 2 - PRODUCTS

2.1 METAL DOOR AND FRAME MATERIALS

- A. Sheet Steel for Doors and Frames: Prime quality cold rolled, annealed, stretcher leveled steel, conforming to Commercial Standard CS 242 or CS 211, with bonderized finish.
- B. Hot-Rolled Steel Sheets and Strip: ASTM A 569/A 569M, Commercial Steel (CS), Type B; free of scale, pitting, or surface defects; pickled and oiled.
- C. Cold-Rolled Steel Sheets: ASTM A 366, Commercial Steel (CS), or ASTM A 620/A 620M, Drawing Steel (DS), Type B; stretcher-leveled standard of flatness.
- D. Metallic-Coated Steel Sheets: ASTM A 653/, Commercial Steel (CS), Type B, with an zinc-iron-alloy (galvannealed) coating; stretcher-leveled standard of flatness.
- E. Electrolytic Zinc-Coated Steel Sheet: ASTM A 591, Commercial Steel (CS), Class B coating; mill phosphatized; suitable for unexposed applications; stretcher-leveled standard of flatness where used for face sheets.
- F. Supports and Anchors: Galvanized sheet steel, minimum 18- gauge sheet.
- G. Inserts, Bolts, and Fasteners: Manufacturer's standard units. Where items are built into exterior walls, hot-dip galvanize in compliance with ASTM A153, Class C or D as applicable.
- H. Shop Applied Paint: Apply after fabrication, rust-inhibitive enamel or paint, either air-drying or thermosetting, suitable as a base for specified finish paints, complying with ANSI A224.1 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames.

2.2 DOOR LOUVERS AND VISION LIGHTS

- A. Specified Manufacturer: Anemostat Door Products, Division of Dynamics Corporation of America, Carson, CA (562/775-7441 or 800/982-9000).

- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
1. Air Louvers, Inc., Pico Rivera, CA (562/948-3495): Louvers and vision lights.
 2. Construction Specialties, Inc. (C/S), San Marcos, CA (619/744-0300; local representative, Integrated Marketing Concepts, Inc., Laverne, CA 909/392-5500): Aluminum louvers.
 3. K.N. Crowder Mfg., Inc. (KNC), Lewiston, NY (716/754-8247):
 4. Leslie- Locke, Inc., Atlanta, GA (404/953-6366 or 800/321-3415): Louvers and vision lights.
 5. The Airolite Company, Marietta, OH (614/373-7676): Door louvers.

PART 3 - EXECUTION

3.1 FLUSH STEEL DOORS

- A. Flush Steel Doors: Full flush panel steel doors, complying with requirements indicated below by reference to ANSI 250.8 for level and model and ANSI A250.4 for physical-endurance level.
1. Interior steel doors: Level 2 and Physical Performance Level B (Heavy Duty), Model 1 Full Flush, 16 gauge steel.
 2. Exterior steel doors: Level 2 and Physical Performance Level B (Heavy Duty), Model 1 Full Flush, 14 gauge steel. Provide flush top and bottom, not open channel, to prevent water intrusion at exterior steel doors.
- B. Facing Material:
1. Interior steel doors: Plain steel sheet or electrolytic zinc-coated steel sheet.
 2. Exterior and damp location steel doors: Metallic-coated steel sheets.
- C. Internal Construction: Manufacturer's standard core materials according to ANSI 250.8, as follows:
1. Interior doors:
 - a. Resin-impregnated paper honeycomb, at non-fire rated doors.
 - b. Rigid mineral fiber with internal sound deadener on inside of face sheets, at fire-rated doors.
 2. Exterior doors: One of the following:
 - a. Rigid polyurethane conforming to ASTM C 591.
 - b. Rigid polystyrene conforming to ASTM C 578.
- D. Supports and Anchors: Fabricate of not less than 18- gauge sheet steel; galvanized where used with galvanized frames or at exterior, damp or wet locations.
- E. Inserts, Bolts, and Fasteners: Manufacturer's standard units. Where items are to be built into exterior walls, hot-dip galvanize in compliance with ASTM A153, Class C or D as applicable.

- F. Clearances:
 - 1. Head and jambs: Not more than 1/8-inch, except not more than 1/4-inch between non-fire-rated pairs of doors.
 - 2. Bottom: Not more than 3/8-inch from finish surface.
 - 3. Fire Doors: Provide clearances according to ANSI/NFPA 80.
 - G. Shop-Applied Paint: After fabrication apply rust-inhibitive enamel or paint, either air-drying or baking, suitable as a base for specified finish paints, complying with ANSI A224.1 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames.
 - H. Shop Painting:
 - 1. Clean, treat, and paint exposed surfaces of steel door and frame units, including galvanized surfaces.
 - 2. Clean steel surfaces of mill scale, rust, oil, grease, dirt, and other foreign materials before application of paint.
 - 3. Apply shop coat of prime paint of even consistency to provide a uniformly finished surface ready to receive finish paint.
 - 4. Apply finish coat to doors indicated as prefinished by electrostatically spraying and baking, to produce a paint thickness of 1.25 mils.
- 3.2 WELDED STEEL FRAMES
- A. Welded Steel Frames: Full-formed sheet steel frames for doors, transoms, sidelights, borrowed lights, fixed windows and other openings, of types and styles as shown on Drawings and schedules, with concealed fastenings, welded construction, complying with ANSI A250.
 - 1. Exterior Frames: 14 gauge minimum gauge steel, galvanized steel, shop primer finish.
 - 2. Interior Frames: 16 gauge minimum steel, primer painted steel finish.
 - B. Shapes: As indicated on the Drawings.
 - C. Fabrication: Mitered and welded corners.
 - D. Reinforcements, General: Provide in accordance with SDI 107.
 - 1. Hinge Reinforcements: 9 gauge, full mortise.
 - 2. Closer Reinforcements: 9 gauge.
 - 3. Strike Reinforcement: 11 gauge.
 - E. Wide Openings: Reinforce frames wider than 48 inches with roll formed steel channels, minimum 12 gauge, fitted tightly into frame head, or provide frames of minimum 14 gauge steel.
 - F. Preparations for Door Hardware: Comply with ANSI A115. Provide factory-prepared cutouts from hardware instructions and templates. Refer to Section 08 70 00 - Hardware. Prepare cutouts with fully drilled and tapped fittings.
 - G. Plaster Guards: 24 gauge, at strike and head cutouts, welded to back of hardware openings at locations where grouted frame only turn out to be rusted frames, due to the moisture

against the metal, plaster or other materials might interfere with hardware installation and operation. Provide plaster guards at cement plaster (stucco} and mortar-set tile conditions, typically.

- H. Anchors, General: Provide in accordance with SDI 105. Anchors at fire rated frames shall also conform to UL Standard 10B.
- I. Anchors at Stud Partitions: Provide at least 3 wall anchors per jamb at hinge and strike levels.
- J. Anchors at Door Frames in Concrete or Masonry: Frames erected after concrete or masonry.
 - 1. Floor anchors: 12 gauge angle welded to frame, full width of frame section, one each jamb.
 - 2. Jamb anchors: 12 gauge channel or Z welded to frame full width of frame section less wall finish thickness with tube sleeve welded to anchor and to frame stop, drilled and deep dimpled for anchor and flat head screw for completely concealed fastening.
 - 3. Head Anchors: Provide anchors same as for wall, located at center of head, for pairs of doors only.
- K. Anchors at Door Frames in Concrete or Masonry: Frames erected before concrete or masonry.
 - 1. Jamb anchors: 12 gauge T-anchor, loose in frame, full width of frame engaging frame returns, T-leg equal to wall thickness less 2 inches or frame width whichever is less. T-leg shall be 6 inches long with 1/2-inch diameter hole for reinforcement bar dowel, 3 per jamb.
 - 2. Head anchors: Provide T-anchor same as wall anchors, located at center of head, at pairs of doors only.
- L. Frames For Interior Borrowed Lights and Windows: Full formed, 16 gauge cold rolled steel with concealed fastenings, welded corners, fabricated as for door frames, shapes as detailed and scheduled on Drawings.
 - 1. Jamb anchors: Same as for door frames for respective wall condition, except jamb anchors located within 6 inches of head and sill plus spaced not more than 24 inches on center.
 - 2. Head and sill anchors: Same as for door frames for respective wall condition, except located within 6 inches of jambs plus spaced not more than 24 inches on center.
- M. Glazing Stops: Channel glazing stops, miter at corners, drill and countersink for oval head screws, completely fit ready for removal and glazing at site.
- N. Built-up Transom and Sill Bars: Fabricate from same material as for frames as detailed. Fabricate concealed portions from tube stock, double channels, roll formed sections or break shape; maintain structural adequacy. Fabricate exposed portions, break shape to profile detail.
- O. Double Mullions: Fabricate same as frame, back to back with welded and filled seam.
- P. Door Silencers: Drill stops at frames to receive button-type silencers specified in Section 08 70 00 - Hardware.
 - 1. Provide three silencers on strike jamb stop for single leaf doors and two at head stop for pairs of doors.

2. Omit silencers where head and jamb where door seals (weatherstripping and smoke or sound seals) are specified.
3. Omit silencers where in violation of fire rating.

3.3 DOOR LOUVERS AND VISION LIGHTS

- A. Louvers, Exterior Flush Steel Doors: Anemostat Model PLSL, inverted split-Y blade design, 12 gauge steel frame with 18 gauge steel louver blades, galvanized sheet steel with factory prime finish, through-bolt security screw fasteners and 18-14 bronze mesh screen mounted on interior face.
- B. Louvers, Interior Flush Steel Doors: Anemostat Model AFDL, inverted-Y blade, 14 gauge steel frame with 16 gauge steel louver blades, with manufacturer's standard gray primer finish.
- C. Louvers, Interior Wood Doors: At Contractor's option, provide one of the following:
 1. Anemostat Model AFDL, inverted-Y blade, extruded aluminum frame and blades, clear anodized finish, for doors with stained and varnished wood veneer finish.
 2. Anemostat Model AFDL, inverted-Y blade, 18 gauge steel frame with 20 gauge steel louver blades, with manufacturer's standard gray primer finish for doors with opaque painted finish, for field finish painting to match door face at painted doors as specified in Section 09 90 00 – Painting and Coating.
- D. Vision Lights:
 1. Fire Rated: Anemostat Model BFL-123 for 1/4-inch thick glass and Anemostat Model FGS-IS for thicker glass, with UL or Warnock-Hersey classification to suit fire rating of door. Confirm glass type and thickness with notes at Door Schedule in the Drawings.
 2. Non-Rated: Anemostat Model BFL-123, for 1/4-inch thick glass.
 3. Finish: At Contractor's option, provide either plated finish to match door hardware (satin chrome), brushed stainless steel or manufacturer's standard gray primer finish with field-applied finish paint to match door face, as specified in Section 09 90 00 – Painting and Coating.

END OF SECTION

08 14 00 – WOOD DOORS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Solid core flush doors with hardwood faces for stain and varnish finish.
- B. Solid core flush doors with hardwood or hardboard faces, for paint finish.
- C. Pre-fitting and pre-machining.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Graham Wood Doors, Mason City, IA (641/423-2444). See Part 4 – PRODUCT DATA
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable. Products of other manufacturers will be acceptable in accordance with the "or equal" provision of the Contract.
 - 1. Marshfield DoorSystems, Inc., Marshfield, WI (800/869-3667).
 - 2. Algoma Hardwoods, Inc., Algoma, WI (414/487-5221 or 800/558-8032).
 - 3. Eggers Industries, Architectural Door Division, Two Rivers, WI (414/793-1351).
 - 4. T.M. Cobb Co., Riverside, CA (909/248-2440).
 - 5. Haley Bros., Inc., Buena Park, CA (714/670-2112).
 - 6. Vancouver Door, Inc., Puyallup, WA (206/845-9581).

2.2 WOOD DOORS, GENERAL

- A. Door Materials: Conform to Woodwork Institute of California (WIC) Manual of Millwork, Section 12 - Wood Doors for door type and grade specified.

2.3 FLUSH PANEL, ENGINEERED COMPOSITE LUMBER CORE DOORS

- A. Flush Panel, Engineered Composite Lumber Core Doors, Grand Premium Grade: Formed Structural composite lumber bond to 1" minimum birch vertical styles, full & square, complying with WDMA/AWS.
- B. Engineered Composite Lumber Core Doors, Non-Rated: For typical interior doors, 1-3/4-inch thick, unless otherwise indicated, 5-ply Engineered Composite Lumber Core, Graham GPD-EC WDMA/AWS – Extra Heavy Duty, WDMA – Premium Grade

- C. Engineered Composite Lumber Core Doors, Fire-Rated: 1-3/4-inch thick, 5-ply construction, Graham
 - D. GPD-EC WDMA/AWS – Extra Heavy Duty, WDMA – Premium Grade or UL 20-minute fire rating.
- 2.4 FLUSH PANEL, MINERAL CORE DOORS
- A. Mineral Core Doors, Fire-Rated: Non-combustible mineral core, birch wood veneer doors, 5-ply construction, Graham GPD-FD 90 or UL fire rating for 3/4-Hour to 1-1/2 Hours, as indicated on the Drawings.

PART 3 - EXECUTION

3.1 DOOR FABRICATION

- A. Fabrication, General: Fabricate wood doors factory-prefit and premachined to fit frame opening sizes indicated, with uniform clearances and bevels to suit door operation.
 - 1. Fitting clearances for fire-rated doors: Comply with NFPA 80.
 - 2. Non-rated door edges: Bevel lock and hinge edges 1/8-inch in 2 inches.
 - 3. Fire-rated door edges: Bevel lock edge 1/8-inch in 2 inches; trim stiles and rails only to extent permitted by labeling agency.
- B. Facings:
 - 1. Facing for transparent finish: WIC Custom Grade, hardwood species as indicated on the Drawings or, if not indicated, white oak, plain sliced and bookmatched.
 - 2. Facing for opaque (painted) finish: Rotary sliced natural birch or tempered hardboard.
- C. Finishes: Field primed and painted as specified in Section 09 90 00 – Painting and Coating.
- D. Edge Finish: Hardwood, as allowed by Grade.
- E. Metal Astragals: Pre-machine astragals and formed steel edges for hardware where required for pairs of fire-rated doors.
- F. Openings: Cut and trim openings through doors to comply with applicable requirements of referenced standards for kind(s) of doors required.
- G. Fire Labeling: Provide permanent steel labels of rating authority on each rated door. Place label in inconspicuous location.

3.2 PRE-FITTING AND PRE-MACHINING

- A. Pre-Fitting and Pre-Machining: Provide all wood doors prefit and pre-machined.
 - 1. Refer to Section 08 70 00 – Hardware and Door Schedule on the Drawings for door hardware requirements.
 - 2. For fire-rated wood door assemblies, all cutting and fitting for door sizing and hardware preparation shall be done by door manufacturer in accordance with fire labeling requirements.

- B. Fitting: Fit doors to frames for uniform clearance at each edge, as required by reference standards and as specified herein. Doors shall be exact net sizes, including undercuts, for specified installation clearances.
 - 1. Fitting clearances for fire-rated doors: Comply with NFPA 80.
 - 2. Non-rated doors: Bevel lock and hinge edges 1/8-inch in 2 inches.
 - 3. Fire-rated doors: Bevel lock edge 1/8-inch in 2 inches; trim stiles and rails only to extent permitted by labeling agency.
 - 4. Metal astragals: Pre-machine astragals and formed steel edges for hardware where required for pairs of fire-rated doors.
- C. Openings: Cut and trim openings through doors to comply with applicable requirements of referenced standards for kind(s) of doors required.
- D. Pre-Machining at Fire-Rated Wood Door Assemblies: All cutting and fitting for door sizing and hardware preparation shall be done by door manufacturer in accordance with fire labeling requirements.

PART 4 - PRODUCT DATA

- 4.1 The following cut sheets are for the specified manufacturer in section 2.1.

8

Architectural 5-Ply Specification

Technical Manual

June, 2011

Graham
wood doors

ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

GPD-PC

5-Ply Particleboard Core
WDMA/AWS Extra Heavy Duty
PC-5

Construction

Horizontal Edges:

- Top and bottom rails - structural composite lumber
- Bonded to core
- 1" minimum after factory trim
- No additional blocking required for thru bolted closers
- Optional closer and lock blocks available

Vertical Edges:

- Matching vertical edges
- Bonded to core
- Structural composite lumber (SCL) laminated to a matching hardwood face (standard for Oak, Birch, and Maple)
- Structural composite lumber (SCL) laminated with a matching veneer edge band on veneers other than listed above as standard with optional hardwood stiles face available

Core:

- Conforms to ANSI A208.1
- Standard LD1 Particleboard Core - 28 lbs/ft³
- Optional LD2 available - 32 lbs/ft³
- Meets requirements of LEED MR4
- Optional to UL 10c (positive pressure) Category 'A'

Fire Rating:

- 20 minute fire rating available
- Meets UL 10b (neutral pressure) and UL 10c (positive pressure) Category "B" requirements
- Option to UL 10c (positive pressure) Category "A"

Acoustical Rating:

- Sound Transmission Class (STC) 30 operable with required seals

Adhesive:

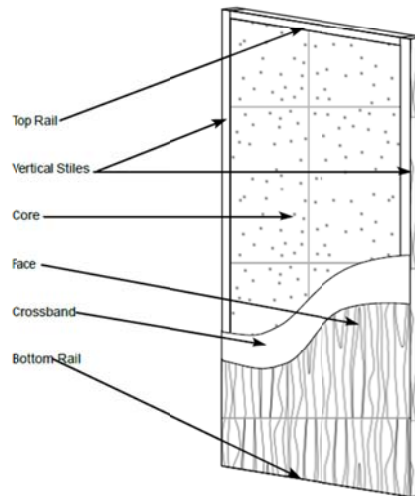
- Doors constructed using Type I adhesives which contain no added Urea-formaldehyde

Construction Grade:

- Performance: WDMA/AWS -Extra Heavy Duty*
- Aesthetic: WDMA - Premium Grade

Face Veneer:

- Available in a wide variety of vertical & horizontal grain wood species. Sketch Face, Medium Density Overlay (MDO), and Primed Hardboard
- WDMA/AWS "A" Grade, Book and Running Match, standard
- Slip, Balance, and Center Balance Match available upon request
- WDMA/AWS "AA" Grade available upon request



Crossband:

- 1/16" (1.6 mm) minimum high density engineered wood composite
- Optional with no added Urea-formaldehyde

Finish:

- UV cured factory finish meets or exceeds WDMA TR-6 and Architectural Woodwork Standards (AWS) First Edition - System #9
- Available in 28 standard colors and custom color match
- Available with MicroShield® Antimicrobial finish

Certifications and Sustainability:

- Optional LEED 3.0 credits available
- MR 4 - Recycled Content (standard)
- MR 6 - Regional Materials
- MR 7 - FSC Certified Wood
- IEQ 4.4 - Low-emitting Materials
- IEQ 5 - Enhanced Acoustical Performance (LEED for schools) STC 35 operable (flush door)
- California Air Resources Board (CARB)
- GreenGuard - Indoor Air Quality & Children in Schools
- Collaborative for High Performance Schools (CHPS)

Lifetime Warranty

*Optional blocking required to meet Extra heavy Duty face screw holding standards.





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Architectural 5-Ply Specification

Technical Manual

June, 2011

GPD-EC

5-Ply Engineered Composite Lumber Core
WDMA/AWS Extra Heavy Duty
SCLC-5

Construction

Horizontal Edges:

- Top and bottom rails - structural composite lumber
- Bonded to core
- 1" minimum after factory trim
- No additional blocking required for thru bolted closers

Vertical Edges:

- Matching vertical edges
- Bonded to core
- Structural composite lumber (SCL) laminated to a matching hardwood face (standard for Oak, Birch, and Maple)
- Structural composite lumber (SCL) laminated with a matching veneer edge band on veneers other than listed above as standard with optional hardwood stiles face available

Core:

- Structural Composite Lumber
- Meets requirements of LEED MR4
- Contains no added Urea-formaldehyde

Fire Rating:

- 20 minute fire rating available
- Meets UL 10b (neutral pressure) and UL 10c (positive pressure) Category "B" requirements
- Option to UL 10c (positive pressure) Category "A"

Acoustical Rating:

- Sound Transmission Class (STC) 31 operable with required seals

Adhesive:

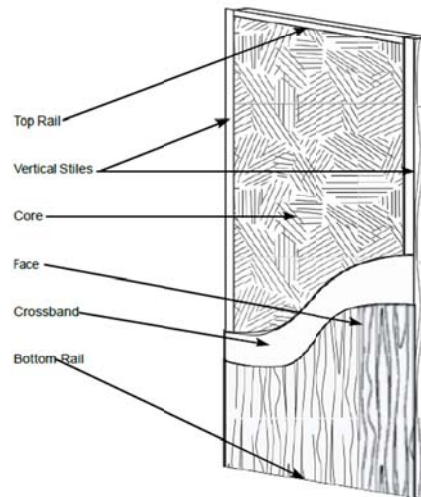
- Doors constructed using Type I adhesives which contain no added Urea-formaldehyde

Construction Grade:

- Performance: WDMA/AWS - Extra Heavy Duty
- Aesthetic: WDMA - Premium Grade

Face Veneer:

- Available in a wide variety of vertical & horizontal grain wood species, Sketch Face, Medium Density Overlay (MDO), and Primed Hardboard
- WDMA/AWS "A" Grade, Book and Running Match, standard
- Slip, Balance, and Center Balance Match available upon request
- WDMA/AWS "AA" Grade available upon request



Crossband:

- 1/16" (1.6 mm) minimum high density engineered wood composite
- Optional with no added Urea-formaldehyde

Finish:

- UV cured factory finish meets or exceeds WDMA TR-6 and Architectural Woodwork Standards (AWS) First Edition - System #9
- Available in 28 standard colors and custom color match
- Available with MicroShield® Antimicrobial finish

Certifications and Sustainability:

- Optional LEED 3.0 credits available
 - MR 4 - Recycled Content (standard)
 - MR 5 - Regional Materials
 - MR 7 - FSC Certified Wood
 - IEQ 4.4 - Low-emitting Materials
 - IEQ 9 - Enhanced Acoustical Performance (LEED for schools) STC 35 operable (flush door)
- California Air Resources Board (CARB)
- GreenGuard - Indoor Air Quality & Children in Schools
- Collaborative for High Performance Schools (CHPS)

Lifetime Warranty



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Architectural 5-Ply Specification

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GPD-SL

5-Ply Stave Lumber Core
WDMA/AWS Extra Heavy Duty
SCLC-5

Construction

Horizontal Edges:

- Top and bottom rails - structural composite lumber
- Bonded to core
- 1" minimum after factory trim
- No additional blocking required for thru bolted closers

Vertical Edges:

- Matching vertical edges
- Bonded to core
- Structural composite lumber (SCL) laminated to a matching hardwood face (standard for Oak, Birch, and Maple)
- Structural composite lumber (SCL) laminated with a matching veneer edge band on veneers other than listed above as standard with optional hardwood stiles face available

Core:

- Stave Lumber
- Meets requirements of LEED MR4
- Contains no added Urea-formaldehyde

Fire Rating:

- 20 minute fire rating available
- Meets UL 10b (neutral pressure) and UL 10c (positive pressure) Category "B" requirements
- Option to UL 10c (positive pressure) Category "A"

Acoustical Rating:

- Sound Transmission Class (STC) 31 operable with required seals

Adhesive:

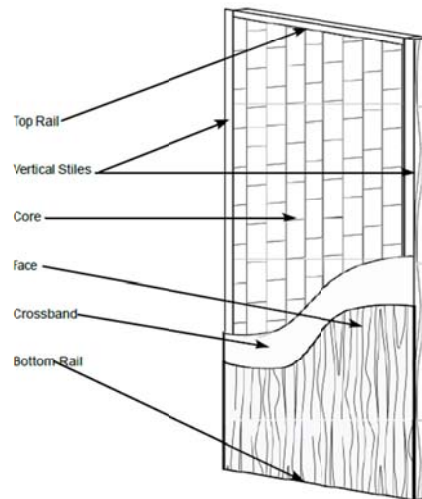
- Doors constructed using Type I adhesives which contain no added Urea-formaldehyde

Construction Grade:

- Performance: WDMA/AWS - Extra Heavy Duty
- Aesthetic: WDMA - Premium Grade

Face Veneer:

- Available in a wide variety of vertical & horizontal grain wood species: Sketch Face, Medium Density Overlay (MDO), and Primed Hardboard
- WDMA/AWS "A" Grade, Book and Running Match, standard
- Slip, Balance, and Center Balance Match available upon request
- WDMA/AWS "AA" Grade available upon request



Crossband:

- 1/16" (1.6 mm) minimum high density engineered wood composite
- Optional with no added Urea-formaldehyde

Finish:

- UV cured factory finish meets or exceeds WDMA TR-6 and Architectural Woodwork Standards (AWS) First Edition - System #9
- Available in 28 standard colors and custom color match
- Available with MicroShield® Antimicrobial finish

Certifications and Sustainability:

- Optional LEED 3.0 credits available
 - MR 4 - Recycled Content (standard)
 - MR 5 - Regional Materials
 - MR 7 - FSC Certified Wood
- IEQ 4.4 - Low-emitting Materials
- California Air Resources Board (CARB)
- GreenGuard - Indoor Air Quality & Children in Schools
- Collaborative for High Performance Schools (CHPS)

Lifetime Warranty





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Architectural 5-Ply Specification

Technical Manual

June, 2011

GPD-AF

5-Ply Agrifiber Core
WDMA/AWS Extra Heavy Duty
AF-5

Construction

Horizontal Edges:

- Top and bottom rails - structural composite lumber
- Bonded to core
- 1" minimum after factory trim
- No additional blocking required for thru bolted closers

Vertical Edges:

- Matching vertical edges
- Bonded to core
- Structural composite lumber (SCL) laminated to a matching hardwood face (standard for Oak, Birch, and Maple)
- Structural composite lumber (SCL) laminated with a matching veneer edge band on veneers other than listed above as standard with optional hardwood stiles face available

Core:

- Agrifiber
- Conforms to ANSI A208.1
- Contains no added Urea-formaldehyde

Fire Rating:

- 20 minute fire rating available
- Meets UL 10b (neutral pressure) and UL 10c (positive pressure) Category "B" requirements
- Option to UL 10c (positive pressure) Category "A"

Acoustical Rating:

- Sound Transmission Class (STC) 29 operable with required seals

Adhesive:

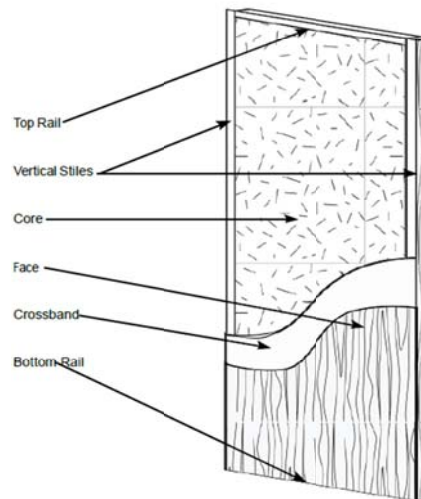
- Doors constructed using Type I adhesives which contain no added Urea-formaldehyde

Construction Grade:

- Performance: WDMA/AWS - Extra Heavy Duty*
- Aesthetic: WDMA - Premium Grade

Face Veneer:

- Available in a wide variety of vertical & horizontal grain wood species, Sketch Face, Medium Density Overlay (MDO), and Primed Hardboard
- WDMA/AWS "A" Grade, Book and Running Match, standard
- Slip, Balance, and Center Balance Match available upon request
- WDMA/AWS "AA" Grade available upon request



Crossband:

- 1/16" (1.6 mm) minimum high density engineered wood composite
- Optional with no added Urea-formaldehyde

Finish:

- UV cured factory finish meets or exceeds WDMA TR-6 and Architectural Woodwork Standards (AWS) First Edition - System #9
- Available in 28 standard colors and custom color match
- Available with MicroShield® Antimicrobial finish

Certifications and Sustainability:

- Optional LEED 3.0 credits available
 - MR 4 - Recycled Content: (standard)
 - MR 6 - Rapidly renewable Materials
 - MR 7 - FSC Certified Wood
 - IEQ 4.4 - Low-emitting Materials
- California Air Resources Board (CARB)
- GreenGuard - Indoor Air Quality & Children in Schools
- Collaborative for High Performance Schools (CHPS)

Lifetime Warranty

*Optional blocking required to meet Extra heavy Duty face screw holding standards.



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Architectural 5-Ply Specification

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GPD-FD 45

5-Ply Fire Core
WDMA/AWS Extra Heavy Duty
FD-5

Construction

Horizontal Edges:

- Top and bottom rails - wood or composite material, specific configuration to Graham Label Service Listing
- Bonded to core
- No additional blocking required for thru bolted closers
- Optional closer & lock block available

Vertical Edges:

- Matching vertical edges - wood or composite material, specific configuration to Graham Label Service Listing
- Bonded to core

Core:

- Fire Resistant Composite Core per Graham Label Service Listing
- Contains no added Urea-formaldehyde

Fire Rating:

- 45 minute fire rating
- 250 degree temperature rise
- Meets UL 10b (neutral pressure) and UL 10c (positive pressure) Category "B" requirements
- Option to UL 10c (positive pressure) Category "A"

Adhesive:

- Doors constructed using Type I adhesives which contain no added Urea-formaldehyde

Construction Grade:

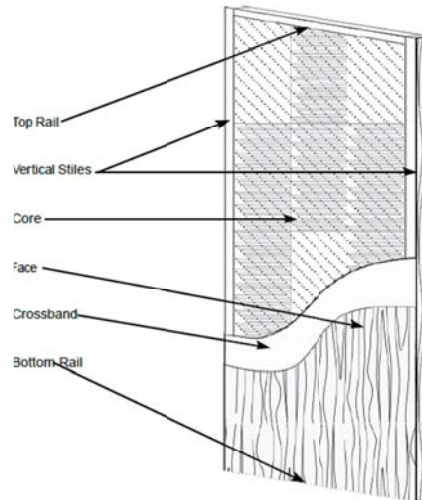
- Performance: WDMA/AWS - Extra Heavy Duty*
- Aesthetic: WDMA - Premium Grade

Face Veneer:

- Available in a wide variety of vertical & horizontal grain wood species, Sketch Face, Medium Density Overlay (MDO), and Primed Hardboard
- WDMA/AWS "A" Grade, Book and Running Match, standard
- Slip, Balance, and Center Balance Match available upon request
- WDMA/AWS "AA" Grade available upon request

Crossband:

- 1/16" (1.6 mm) minimum high density engineered wood composite
- Optional with no added Urea-formaldehyde



Finish:

- UV cured factory finish meets or exceeds WDMA TR-6 and Architectural Woodwork Standards (AWS) First Edition - System #9
- Available in 28 standard colors and custom color match
- Available with MicroShield® Antimicrobial finish

Certifications and Sustainability:

- Optional LEED 3.0 credits available**
 - MR 7 - FSC Certified Wood
 - IEQ 4.4 - Low-emitting Materials
- California Air Resources Board (CARB)
- GreenGuard - Indoor Air Quality & Children in Schools
- Collaborative for High Performance Schools (CHPS)

Lifetime Warranty

*Optional blocking required to meet Extra heavy Duty face screw holding standards.

**See graham LEED Documentation





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Architectural 5-Ply Specification

Technical Manual

June, 2011

GPD-FD 60

5-Ply Fire Core
WDMA/AWS Extra Heavy Duty
FD-5

Construction

Horizontal Edges:

- Top and bottom rails - wood or composite material, specific configuration to Graham Label Service Listing
- Bonded to core
- No additional blocking required for thru bolted closers
- Optional closer & lock block available

Vertical Edges:

- Matching vertical edges - wood or composite material, specific configuration to Graham Label Service Listing
- Bonded to core

Core:

- Fire Resistant Composite Core per Graham Label Service Listing
- Contains no added Urea-formaldehyde

Fire Rating:

- 60 minute fire rating
- 250 degree temperature rise
- Meets UL 10b (neutral pressure) and UL 10c (positive pressure) Category "B" requirements
- Option to UL 10c (positive pressure) Category "A"

Adhesive:

- Doors constructed using Type I adhesives which contain no added Urea-formaldehyde

Construction Grade:

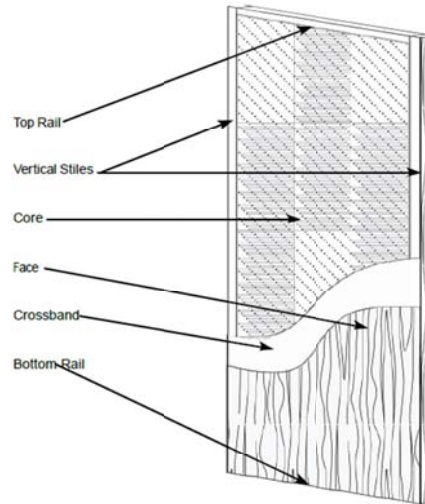
- Performance: WDMA/AWS - Extra Heavy Duty*
- Aesthetic: WDMA - Premium Grade

Face Veneer:

- Available in a wide variety of vertical & horizontal grain wood species, Sketch Face, Medium Density Overlay (MDO), and Primed Hardboard
- WDMA/AWS "A" Grade, Book and Running Match, standard
- Slip, Balance, and Center Balance Match available upon request
- WDMA/AWS "AA" Grade available upon request

Crossband:

- 1/16" (1.6 mm) minimum high density engineered wood composite
- Optional with no added Urea-formaldehyde



Finish:

- UV cured factory finish meets or exceeds WDMA TR-6 and Architectural Woodwork Standards (AWS) First Edition - System #9
- Available in 28 standard colors and custom color match
- Available with MicroShield® Antimicrobial finish

Certifications and Sustainability:

- Optional LEED 3.0 credits available**
- MR 7 - FSC Certified Wood
- IEQ 4.4 - Low-emitting Materials
- California Air Resources Board (CARB)
- GreenGuard - Indoor Air Quality & Children in Schools
- Collaborative for High Performance Schools (CHPS)

Lifetime Warranty

*Optional blocking required to meet Extra heavy Duty face screw holding standards.

**See graham LEED Documentation



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Architectural 5-Ply Specification

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Graham®
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GPD-FD 90

5-Ply Fire Core
WDMA/AWS Extra Heavy Duty
FD-5

Construction

Horizontal Edges:

- Top and bottom rails - wood or composite material, specific configuration to Graham Label Service Listing
- Bonded to core
- No additional blocking required for thru bolted closers
- Optional closer & lock block available

Vertical Edges:

- Matching vertical edges - wood or composite material, specific configuration to Graham Label Service Listing
- Bonded to core

Core:

- Fire Resistant Composite Core per Graham Label Service Listing
- Contains no added Urea-formaldehyde

Fire Rating:

- 90 minute fire rating
- 250 degree temperature rise
- Meets UL 10b (neutral pressure) and UL 10c (positive pressure) Category "B" requirements
- Option to UL 10c (positive pressure) Category "A"

Adhesive:

- Doors constructed using Type I adhesives which contain no added Urea-formaldehyde

Construction Grade:

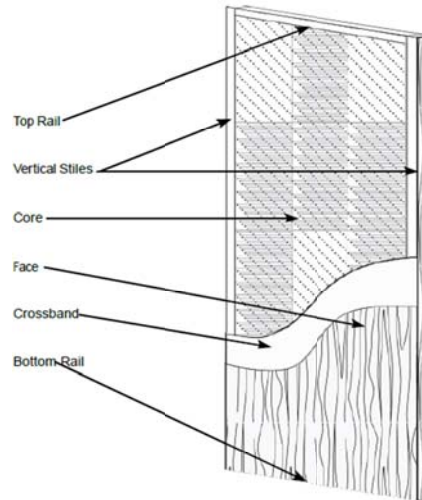
- Performance: WDMA/AWS - Extra Heavy Duty*
- Aesthetic: WDMA - Premium Grade

Face Veneer:

- Available in a wide variety of vertical & horizontal grain wood species, Sketch Face, Medium Density Overlay (MDO), and Primed Hardboard
- WDMA/AWS "A" Grade, Book and Running Match, standard
- Slip, Balance, and Center Balance Match available upon request
- WDMA/AWS "AA" Grade available upon request

Crossband:

- 1/16" (1.6 mm) minimum high density engineered wood composite
- Optional with no added Urea-formaldehyde



Finish:

- UV cured factory finish meets or exceeds WDMA TR-6 and Architectural Woodwork Standards (AWS) First Edition - System #9
- Available in 28 standard colors and custom color match
- Available with MicroShield® Antimicrobial finish

Certifications and Sustainability:

- Optional LEED 3.0 credits available**
- MR 7 - FSC Certified Wood
- IEQ 4.4 - Low-emitting Materials
- California Air Resources Board (CARB)
- GreenGuard - Indoor Air Quality & Children in Schools
- Collaborative for High Performance Schools (CHPS)

Lifetime Warranty

*Optional blocking required to meet Extra heavy Duty face screw holding standards.

**See graham LEED Documentation





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Architectural 5-Ply Specification

Technical Manual

June, 2011

GPD-HC

5-Ply Hollow Core
HC-5

Construction

Horizontal Edges:

- Top and bottom rails - structural composite lumber
- 1" minimum after factory trim
- No additional blocking required for thru bolted closers

Vertical Edges:

- Matching vertical edges
- Bonded to core
- Structural composite lumber (SCL) laminated to a matching hardwood face (standard for Oak, Birch, and Maple)
- Structural composite lumber (SCL) laminated with a matching veneer edge band on veneers other than listed above as standard with optional hardwood stiles face available

Core:

- Conforms to ASTM C578, Type 1
- Solid Polystyrene Core

Fire Rating:

- Not available

Adhesive:

- Doors constructed using Type I adhesives which contain no added Urea-formaldehyde

Face Veneer:

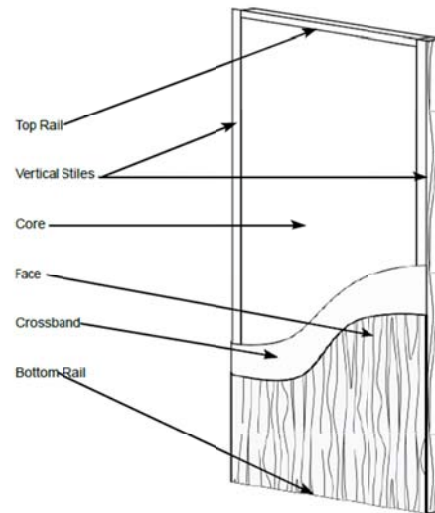
- Available in a wide variety of vertical & horizontal grain wood species, Sketch Face, Medium Density Overlay (MDO), and Primed Hardboard
- WDMA/AWS "A" Grade, Book and Running Match, standard
- Slip, Balance, and Center Balance Match available upon request
- WDMA/AWS "AA" Grade available upon request

Crossband:

- 1/16" (1.6 mm) minimum high density engineered wood composite
- Optional with no added Urea-formaldehyde

Finish:

- UV cured factory finish meets or exceeds WDMA TR-6 and Architectural Woodwork Standards (AWS) First Edition - System #9
- Available in 28 standard colors and custom color match
- Available with MicroShield® Antimicrobial finish



5 Year Warranty

END OF SECTION

08 15 00 – PLASTIC DOORS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Fiberglass reinforced polyester (FRP) flush doors with aluminum frames.
- B. If shown on the drawings:
 - 1. Architectural panels
 - 2. Insert framing systems
 - 3. Vision Lites
 - 4. Security Grates
 - 5. Louvers

1.3 RELATED SECTIONS

- A. Section 08 70 00 - Hardware.

1.4 REFERENCES

- A. AAMA 1503.1 - Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections.
- B. ASTM B 209 - Aluminum and Aluminum-Alloy Sheet and Plate.
- C. ASTM B 221 - Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- D. ASTM D 256 - Determining the Pendulum Impact Resistance of Notched Specimens of Plastics.
- E. ASTM D 543 - Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents.
- F. ASTM D 570 - Water Absorption of Plastics.
- G. ASTM D 638 - Tensile Properties of Plastics.
- H. ASTM D 790 - Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
- I. ASTM D 1308 - Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
- J. ASTM D 2583 - Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor.
- K. ASTM E 84 - Surface Burning Characteristics of Building Materials.

- L. ASTM E 283 – Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.
- M. ASTM E 330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
- N. ASTM E 331 – Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.
- O. SFBC P.A. 203 - Criteria for Testing Products Subject to Cyclic Wind Pressure Loading.
- P. SFBC 3603.2 (b) (5) - Forced Entry Resistance Test.

1.5 PERFORMANCE REQUIREMENTS

- A. General: Provide door assemblies that have been designed and fabricated to comply with specified performance requirements, as demonstrated by testing manufacturer's corresponding standard systems.
- B. Air Infiltration: For a single door 3'-0" x 7'-0", test specimen shall be tested in accordance with ASTM E 283 at pressure differential of 6.24 psf. Door shall not exceed 0.90 cfm per linear foot of perimeter crack.
- C. Water Resistance: For a single door 3'-0" x 7'-0", test specimen shall be tested in accordance with ASTM E 331 at pressure differential of 7.50 psf. Door shall not have water leakage.
- D. Single Door with Single Point Latching:
 - 1. Uniform Static Load, ASTM E 330: Plus or minus 75 pounds per square foot.
 - 2. Forced Entry Test, 300 Pound Load Applied, SFBC 3603.2 (b)(5): Passed.
 - 3. Cyclic Load Test, SFBC P.A. 203: Plus or minus 53 pounds per square foot.
 - 4. Large Missile Impact Test, PA 201: Passed.
- E. Thermal Transmission, Exterior Doors, U-Value, AAMA 1503.1: Maximum of 0.09 BTU/hr x sf x degrees F.
- F. Surface Burning Characteristics, FRP Doors and Panels, ASTM E 84:
 - 1. Flame Spread: Maximum of 200, Class C.
 - 2. Smoke Developed: Maximum of 450, Class C.
- G. Surface Burning Characteristics, Class A Option On Interior Faces of FRP Exterior Panels and Both Faces of FRP Interior Panels, ASTM E 84:
 - 1. Flame Spread: Maximum of 25.
 - 2. Smoke Developed: Maximum of 450.
- H. Impact Strength, FRP Doors and Panels, Nominal Value, ASTM D 256: 15.0 foot-pounds per inch of notch.
- I. Tensile Strength, FRP Doors and Panels, Nominal Value, ASTM D 638: 14,000 psi.
- J. Flexural Strength, FRP Doors and Panels, Nominal Value, ASTM D 790: 21,000 psi.
- K. Water Absorption, FRP Doors and Panels, Nominal Value, ASTM D 570: 0.20 percent after 24 hours.

- L. Indentation Hardness, FRP Doors and Panels, Nominal Value, ASTM D 2583: 55.
 - M. Abrasion Resistance, Face Sheet, Taber Abrasion Test, 25 Cycles at 1,000 Gram Weight With CS-17 Wheel: Maximum of 0.029 average weight loss percentage.
 - N. Stain Resistance, ASTM D 1308: Face sheet unaffected after exposure to red cabbage, tea, and tomato acid. Stain removed easily with mild abrasive or FRP cleaner when exposed to Sharpie ink pen and white spray paint.
 - O. Chemical Resistance: ASTM D 543. Excellent rating
 - 1. Acetic acid, 5 percent solution.
 - 2. Chlorine bleach, 10 percent solution.
 - 3. Sodium hypochlorite, 4 to 6 percent solution.
 - 4. Citric acid, 10 percent solution.
 - 5. Sodium Carbonate, 20 percent solution.
 - 6. Turpentine.
- 1.6 SUBMITTALS
- A. Product Data: Submit manufacturer's product data, including description of materials, components, fabrication, finishes, and installation.
 - B. Shop Drawings: Submit manufacturer's shop drawings, including elevations, sections, and details, indicating dimensions, tolerances, materials, fabrication, doors, panels, framing, hardware schedule, finish, options, and accessories.
 - C. Samples:
 - 1. Door: Submit manufacturer's sample of door showing face sheets, core, framing, finish, and accessories.
 - 2. Color: Submit manufacturer's samples of standard colors of doors and frames.
 - D. Test Reports: Submit certified test reports from qualified independent testing agency indicating doors comply with specified performance requirements.
 - E. Manufacturer's Project References: Submit list of successfully completed projects including project name and location, name of architect, and type and quantity of doors manufactured.
 - F. Maintenance Manual: Submit manufacturer's maintenance and cleaning instructions for doors, including maintenance and operating instructions for hardware.
 - G. Warranty: Submit manufacturer's standard warranty.
- 1.7 QUALITY ASSURANCE
- A. Manufacturer's Qualifications: Continuously engaged in manufacturing of doors of similar type to that specified, with a minimum of 25 years successful experience.
- 1.8 DELIVERY, STORAGE, AND HANDLING
- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying opening door mark and manufacturer.

- B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions.
 - C. Handling: Protect materials and finish from damage during handling and installation.
- 1.9 WARRANTY
- A. Warrant doors, frames, and factory hardware against failure in materials and workmanship, including excessive deflection, faulty operation, defects in hardware installation, and deterioration of finish or construction in excess of normal weathering.
 - B. Warranty Period: Ten years from the notice of completion or occupancy whichever occurs first.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Special-Lite, Inc., PO Box 6, Decatur, Michigan 49045. Toll Free (800) 821-6531. Phone (616) 423-7068. Fax (800) 423-7610. Web Site www.special-lite.com. E-Mail info@special-lite.com.
- B. Alternate manufacturers: Products of other manufacturers will be acceptable in accordance with the "or equal" provision of the Contract.

2.2 FRP FLUSH DOORS

- A. Model: SL-17 Flush Doors with SpecLite3 fiberglass reinforced polyester (FRP) face sheets.
- B. Construction:
 - 1. Door Thickness: 1-3/4 inches.
 - 2. Stiles and Rails: Aluminum Alloy 6063-T5, minimum of 2-5/16-inch depth.
 - 3. Corners: Mitered.
 - 4. Provide joinery of 3/8-inch diameter full-width tie rods through extruded splines top and bottom as standard tubular shaped stiles and rails reinforced to accept hardware as specified.
 - 5. Securing Internal Door Extrusions: 3/16-inch angle blocks and hex-type nuts for joinery. Welds, glue, or other methods are not acceptable.
 - 6. Furnish extruded stiles and rails with integral reglets to accept face sheet and lock it into place to permit flush appearance.
 - 7. Rail caps or other face sheet capture methods are not acceptable.
 - 8. Extrude top and bottom rail legs for interlocking continuous weather bar.
 - 9. Meeting Stiles: Nylon brush weatherstripping. Extrude meeting stile to include integral pocket to accept nylon brush.
 - 10. Bottom of Door: Install bottom weather bar, with nylon brush weatherstripping, into extruded interlocking edge of bottom rail.

- C. Face Sheet:
 - 1. Material: SpecLite3 FRP, 0.120-inch thickness, finish color throughout. Abuse-resistant engineered surface.
 - 2. Texture: Pebble.
 - D. Color: From manufacturer's standard colors as specified on the drawings.
 - E. Core:
 - 1. Material: Poured-in-place polyurethane foam.
 - 2. Density: Minimum of 5 pounds per cubic foot.
 - 3. R-value: Minimum of 11.
 - F. Cutouts:
 - 1. Manufacture doors with cutouts for required vision lites, louvers, and panels.
 - 2. Factory install vision lites, louvers, and panels.
 - G. Hardware:
 - 1. Premachine doors in accordance with templates from specified hardware manufacturers and hardware schedule.
 - 2. Factory install hardware.
- 2.3 MATERIALS
- A. Aluminum Members:
 - 1. Extrusions: ASTM B 221.
 - 2. Sheet and Plate: ASTM B 209.
 - 3. Alloy and Temper: As required by manufacturer for strength, corrosion resistance, application of required finish, and control of color.
 - B. Components: Door and frame components from same manufacturer.
 - C. Fasteners:
 - 1. Material: Aluminum, 18-8 stainless steel, or other noncorrosive metal.
 - 2. Compatibility: Compatible with items to be fastened.
 - 3. Exposed Fasteners: Screws with finish matching items to be fastened.
- 2.4 FABRICATION
- A. Sizes and Profiles: Required sizes for door and frame units, and profile requirements shall be as indicated on the drawings.
 - B. Coordination of Fabrication: Field measure before fabrication and show recorded measurements on shop drawings.
 - C. Assembly:
 - 1. Complete cutting, fitting, forming, drilling, and grinding of metal before assembly.
 - 2. Remove burrs from cut edges.

- D. Welding: Welding of doors or frames is not acceptable.
 - E. Fit:
 - 1. Maintain continuity of line and accurate relation of planes and angles.
 - 2. Secure attachments and support at mechanical joints with hairline fit at contacting members.
- 2.5 ARCHITECTURAL PANELS
- A. FRP Panels:
 - 1. Model: SL-37 Architectural Panels with SpecLite3 FRP face sheets.
 - 2. Size: As indicated on the drawings.
 - 3. As indicated on the drawings
 - B. Face Sheets:
 - 1. Material: SpecLite3 FRP, 0.120-inch thickness, finish color throughout. Abuse-resistant engineered surface.
 - 2. Texture: Pebble.
 - C. Color: From manufacturer's standard colors as specified on the drawings.
 - D. Insulated SpecLite3 FRP Panels (if applicable):
 - 1. Insulated Panels: Two 0.120-inch minimum thickness sheets.
 - 2. Core: Foamed polyurethane core of a minimum of 5 pounds per cubic foot density.
 - 3. Form components to function as single unit.
 - 4. U-Value: Minimum of 0.18 for 1 inch panels.
 - E. Class A Flame Spread and Smoke Developed Rating (if applicable):
 - 1. Class A flame spread and smoke developed rating on interior faces of exterior panels and both faces of interior panels.
 - 2. Flame Spread, ASTM E 84: Maximum of 25.
 - 3. Smoke Developed, ASTM E 84: Maximum of 450.
- 2.6 ALUMINUM DOOR FRAMING SYSTEMS
- A. Tubular Framing:
 - 1. Size and Type: As indicated on the drawings.
 - 2. Materials: Aluminum Alloy 6063-T5, 1/8-inch minimum wall thickness.
 - 3. Applied Door Stops: 0.625-inch high, with screws and weatherstripping. Door stop shall incorporate pressure gasketing for weathering seal. Counterpunch fastener holes in door stop to preserve full metal thickness under fastener head.
 - 4. Frame Members: Box type with 4 enclosed sides. Open back framing is not acceptable.
 - 5. Caulking: Caulk joints before assembling frame members.

6. Joints:
 - a. Secure joints with fasteners.
 - b. Provide hairline butt joint appearance.
 7. Field Fabrication: Field fabrication of framing using stick material is not acceptable.
 8. Applied Stops: For side, transom, and borrowed lites and panels. Applied stops shall incorporate pressure gasketing for weathering seal. Reinforce with solid bar stock fill for frame hardware attachments.
 9. Hardware:
 - a. Premachine and reinforce frame members for hardware in accordance with manufacturer's standards and hardware schedule.
 - b. Factory install hardware.
 10. Anchors:
 - a. Anchors appropriate for wall conditions to anchor framing to wall materials.
 - b. Door Jamb and Header Mounting Holes: Maximum of 24-inch centers.
 - c. Secure head and sill members of transom, side lites, and similar conditions.
 11. Side Lites:
 - a. Factory preassemble side lites to greatest extent possible.
 - b. Mark frame assemblies according to location.
- B. Insert Framing System:
1. Model: SL-1030 Series - SL-1031, SL-1032, or SL-1034 as specified on the drawings.
 2. Insert frame as indicated on the drawings, using integral stop fitted with weatherstripping.
 3. Corner joints of miter design, secure with furnished aluminum clips, and screw into place.
 4. Hardware:
 - a. Premachine and reinforce insert frame members for hardware in accordance with manufacturer's standards and hardware schedule.
 - b. Factory install hardware
 5. Anchors:
 - a. Anchors of suitable type to fasten insert framing to existing frame materials.
 - b. Minimum of 5 anchors on jambs up to 7'-4" height, 3 anchors on headers, and 1 additional anchor for each additional foot of frame.
- C. Frame Capping:
1. Model: SL-70.
 2. Capping: With insert frame as indicated on the drawings.
 3. Finish: Match framing.

2.7 HARDWARE

- A. Premachine doors in accordance with templates from specified hardware manufacturers and hardware schedule.
- B. Factory install hardware.
- C. Hardware Schedule: As specified in Section 08 70 00.
- D. Finish: As specified in Section 08 07 00.

2.8 VISION LITES

- A. Factory Glazing: 1/4-inch glass or 1 inch glass insulating units as specified on the drawings.
- B. Lites in Exterior Doors: Allow for thermal expansion.
- C. Rectangular Lites:
 - 1. Size: As indicated on the drawings.
 - 2. Factory glazed with screw-applied aluminum stops anodized to match perimeter door rails.
- D. Security Grate: SL-SG349.
 - 1. Frame Perimeter: 1 inch by 1 inch by 1/8-inch steel angle.
 - 2. Expanded Metal: 1/4-inch diameter, round hole perforated, 14 gauge steel sheet.
 - 3. Finish: Factory painted to match door finish.

2.9 LOUVERS

- A. Type: Aluminum, inverted Y-type, fixed blade, 12 inches minimum from bottom of door.
- B. Size: As indicated on the drawings.
- C. Installation: Factory installed into standard vision lite kit. Exterior side of louver shall be free of fasteners.
- D. Insect screen.

2.10 ALUMINUM FINISHES

- A. Anodized finishes to be Class I finish, 0.7 mils thick.
- B. Anodized colors as shown on the drawings from the following:
 - 1. Clear 215 R1, AA-M10C12C22A41, Class I, 0.7 mils thick.
 - 2. Champagne, AA-M10C12C22A44, Class I, 0.7 mils thick.
 - 3. Light Bronze, AA-M10C12C22A44, Class I, 0.7 mils thick.
 - 4. Medium Bronze, AA-M10C12C22A44, Class I, 0.7 mils thick.
 - 5. Dark Bronze, AA-M10C12C22A44, Class I, 0.7 mils thick.
 - 6. Black, AA-M10C12C22A44, Class I, 0.7 mils thick.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive doors. Notify Architect of conditions that would adversely affect installation or subsequent use. Do not proceed with installation until unsatisfactory conditions are corrected.

3.2 PREPARATION

- A. Ensure openings to receive frames are plumb, level, square, and in tolerance.

3.3 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions.
- B. Install doors plumb, level, square, true to line, and without warp or rack.
- C. Anchor frames securely in place.
- D. Separate aluminum from other metal surfaces with bituminous coatings or other means approved by Architect.
- E. Set thresholds in bed of mastic and backseal.
- F. Install exterior doors to be weathertight in closed position.
- G. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.
- H. Remove and replace damaged components that cannot be successfully repaired as determined by Architect.

3.4 FIELD QUALITY CONTROL

- A. Manufacturer's Field Services: Manufacturer's representative shall provide technical assistance and guidance for installation of doors.

3.5 ADJUSTING

- A. Adjust doors, hinges, and locksets for smooth operation without binding.

3.6 CLEANING

- A. Clean doors promptly after installation in accordance with manufacturer's instructions.
- B. Do not use harsh cleaning materials or methods that would damage finish.

3.7 PROTECTION

- A. Protect installed doors to ensure that, except for normal weathering, doors will be without damage or deterioration at time of substantial completion.

END OF SECTION

08 34 53 – SECURITY DOORS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Theft-resistant, flat sill, fire-resistance rated, insulated steel door and frame assemblies, complete with hardware and factory finish.
- B. If shown on the drawings: Day Gate.

PART 2 - PRODUCTS

A. MANUFACTURERS

- 1. Acceptable Manufacturers: As listed below. Products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
- 2. Diebold, Inc.
- 3. LeFebure Div./Kidde, Inc.
- 4. Meilink Safe Co. Div./Meilink Ind.
- 5. Mosler/American-Standard Co.
- 6. Schwab Safe Co.

B. INSULATING SECURITY DOOR AND FRAME ASSEMBLY

- 1. Construction: Manufacturer's standard all-welded construction with interlocking door and frame to provide fire-resistance rating and lock protection indicated and as herein specified.
- 2. Door: Hollow steel construction with minimum 1/8-inch thick face plate.
- 3. Frame: Exterior facing, minimum 1/8-inch thick, sides and top. Jambs, not less than 18-gauge steel. Sill, 1/4-inch thick flat plate.
- 4. Sizes: Provide units of sizes as shown or scheduled.
- 5. Fire-Resistive Insulation: Manufacturer's standard to comply with UL label requirements for fire-resistance rating indicated.
- 6. Finish: Door manufacturer's standard baked-on gray finish or textured vinyl, unless otherwise indicated.

C. INSULATING SECURITY DOOR HARDWARE AND ACCESSORIES

- 1. Insulating Security Door Hardware and Accessories, General: Provide hardware units as required for specified UL labeling.

2. Hinges: Not less than three offset roller or ball bearing hinges, of design, size, and weight necessary for smooth operation of security door and to allow full, clear door opening.
3. Bolts: Permanently lubricated, rust and corrosion resistive bolts. Provide not less than ten 3/4" nominal diameter bolts, installed in door to extend only when door is in closed position.
4. Lock: See specification section 08 70 00 - Hardware
5. Re-Locking Device: Provide UL labeled re-locking device or devices which function automatically when door is subjected to mechanical, explosive, or torch attack.
6. Emergency Escape Device: Provide instant unlocking device for emergency escape from locked vault, activated only from vault side of door.
7. Bolt-Throw Handle: Provide manufacturer's standard vault door bolt-throw handle.
8. Trim: Stainless steel, chromium-plated, or other trim standard with door manufacturer.
9. Day Gate: Provide manufacturer's standard grille gate on inside jamb opening with self-closing gravity hinges. Equip gate with key operated lock. Provide stainless steel floor stop and rubber bumper.

PART 3 - EXECUTION - NOT USED

END OF SECTION

08 31 00 – ACCESS DOORS AND PANELS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Access doors and panels in walls and partitions.
- B. Access doors and panels in ceilings.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Karp Associates, Inc., Maspeth, NY (718/784-2105 or 800/888-4212).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. Milcor Limited Partnership, Lima, OH (419/228-1411).
 - 2. Samson Products (Affiliate of JL Industries), Pico Rivera, CA (310/801-6226).
 - 3. Larsen's Manufacturing Co., Minneapolis, MN (612/571-1181).
 - 4. Cesco Products, Minneapolis, MN (612/424-4919).

PART 3 - EXECUTION

3.1 WALL ACCESS DOORS AND PANELS

- A. Interior Gypsum Board Walls, (Non-Fire Rated) Access Door, Flush Face, for Service and Utility Spaces: Karp DSC-214M, or approved equal, primer paint finished flush steel door, size as indicated on Drawings. Unless otherwise indicated, door is intended to be field finish painted to match surrounding wall finish.
- B. Interior Gypsum Board Walls, (Non-Fire Rated) Access Door, Flush Face, for Toilet, Sanitary and Damp Spaces: Karp DSC-214M, or approved equal, stainless steel finish flush steel door, size as indicated on Drawings.
- C. Interior Gypsum Board Walls, (Fire-Rated) Access Door: Karp KRP-150FR, or approved equal, surface-mounted, primer paint finish, UL-listed B-Label assembly for walls, 20 gauge steel door in 16 gauge steel frame, filled with 2-inch thick fire-rated insulation, with automatic closer, self-latching bolt-type latch operated by flush key device, size as indicated

on Drawings. Unless otherwise indicated, door is intended to be field finish painted to match surrounding wall finish.

- D. Interior Ceramic Tile Wall, (Fire-Rated) Access Doors: Karp KRP-150FR, or approved equal, surface-mounted, stainless steel finish, UL-listed B-Label assembly for walls, 20 gauge steel door in 16 gauge steel frame, filled with 2-inch thick fire-rated insulation, with automatic closer, self-latching bolt-type latch operated by flush key device, size as indicated on Drawings.
- E. Interior Ceramic Tile Wall, (Non-Fire Rated) Access Doors Karp DSB-214SM, or approved equal, flush-mounted with face of tile, stainless steel finish, size as indicated on Drawings.
- F. Lock, Non-Rated Access Doors: Manufacturer's standard cam-action latch with keyed lock cylinder.
- G. Lock, Fire-Rated Access Doors: Manufacturer's standard flush key device.

3.2 CEILING ACCESS DOORS AND PANELS

- A. Interior Gypsum Board Ceiling, (Non-Fire Rated) Access Door, Dry Locations: Karp KDW Flush Drywall Access Door, or approved equal, primer paint finished flush steel door, size as indicated on Drawings. Unless otherwise indicated, door is intended to be field finish painted to match surrounding ceiling finish.
- B. Interior Gypsum Board Ceiling, (Non-Fire Rated) Access Door, Toilet Room, Sanitary and Damp Locations: Karp DSC-214M, or approved equal, flush stainless steel door face, size as indicated on Drawings.
- C. Lock, Non-Rated Access Doors: Manufacturer's standard cam-action latch with keyed lock cylinder.
- D. Lock, Fire-Rated Access Doors: Manufacturer's standard flush key device.

END OF SECTION

08 34 57 – FIRE-RATED SECURITY DOORS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Fire-rated security doors for vaults.
- B. Fire-rated security doors for file rooms.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturers: Listed below are specified manufacturers, whose products are the basis of the design, and acceptable manufacturers, whose equivalent products the Contractor may use in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Diebold, Incorporated.
 - 2. Mosler, Inc.
 - 3. Schwab Corporation.

2.2 MATERIALS

- A. Steel Plate, Shapes, and Bars: ASTM A 36/A 36M.
- B. Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B.
- C. Stainless-Steel Sheet: ASTM A 666, Type 304.
- D. Aluminum Extruded Bar and Tube: ASTM B 221 (ASTM B 221M).
- E. Aluminum Plate and Sheet: ASTM B 209 (ASTM B 209M).

2.3 DOOR AND FRAME ASSEMBLY

- A. Door and Frame Assembly, General: UL 155, Class 350, rating as shown on drawings.
 - 1. Insurance Rating: Mercantile, Class B.
- B. Door: Fabricated from all-welded, insulated steel sheet construction; overall thickness not less than 3-1/2 inches thick; with jambs and head shaped to interlock with frame.
 - 1. Cladding: Manufacturer's standard stainless-steel sheet.
 - 2. Clear Opening Size: As indicated on Drawings.

- C. Frame: Beveled entrance frame, tapered no more than 10 degrees, fabricated from steel sheet of thickness required by UL listing, and designed for nongrout installation; with removable rear architrave and adjustable wall flange to accommodate wall thicknesses indicated, fabricated from steel sheet and finished to match frame.
- D. Finish: Manufacturer's standard factory-applied paint finish, applied to door, frame, and wall flanges.
 - 1. Color: As selected by Architect from manufacturer's full range.

2.4 HARDWARE AND ACCESSORIES

- A. Hardware and Accessories, General: Provide hardware components as required for specified UL listing.
- B. Hinges: Not less than three roller-thrust-bearing hinges of design, size, and weight required for smooth operation of door and to allow full, clear door opening.
 - 1. Hinge Cover: Stainless steel, extending full height of door and covering hinges on door.
- C. Door Bolts: Permanently lubricated, 11/16 or 3/4-inch diameter, and nickel plated. Provide five door bolts on each vertical side of door that engage frame when extended. Bolts shall automatically retract when handle is operated and automatically extend when door closes.
- D. Handle: Manufacturer's standard stainless-steel lever handle with satin finish.
- E. Combination Lock: UL 768, Group [2, 3-tumbler, key change, mechanical] [1, electronic] type, capable of not less than one million possible combinations; equipped with UL 140 relocking device that automatically locks bolt when lock is subjected to mechanical attack.
 - 1. Provide drill-resistant metal plate for protection of lock case and locking mechanism.
- F. Relocking Device: UL 140 listed, designed to automatically lock door bolts when door is subjected to mechanical or torch attack.
- G. Escape Mechanism: Provide emergency operation of lock from vault side of door by means of inside door release fabricated from stainless-steel rod.
- H. Sill: Reinforced formed steel or flat-steel plate.
- I. Trim: Stainless steel, chromium plated, or other trim standard with door manufacturer.

2.5 FABRICATION

- A. Fabricate fire-rated security doors and frames rigid, neat in appearance, and free of defects, warp, or buckle. Accurately form metal to required sizes and profiles, with minimum radius for thickness of metal. Weld exposed joints continuously; grind, fill, dress, and make smooth, flush, and invisible. Where practical, fit and assemble units in manufacturer's plant. To ensure proper assembly at Project site, clearly identify work that cannot be permanently factory assembled before shipment.
- B. Factory prepare fire-rated security doors and frames to receive hardware and accessories, including cutouts, reinforcements, mortising, drilling, and tapping.

2.6 FINISHES, GENERAL

- A. Finishes, General: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and so surfaces are free of oil and other contaminants.

PART 3 - EXECUTION – NOT USED

END OF SECTION

08 51 13 – ALUMINUM WINDOWS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Commercial-grade, fixed and operable aluminum windows.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Specified Manufacturer: Kawneer Company, Inc., Norcross, GA (770/449-5555).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below (or others) will be acceptable in accordance with the "or equal" provision specified in the Divisions 0 and 1.
 - 1. EFCO Corporation, Monett, MO (417/235-3193 or 800/221-4169; local representative, Yorba Linda, CA, 714/985-9141).
 - 2. TRACO, Warrendale, PA (412/776-7000).

2.2 ALUMINUM WINDOWS

- A. Fixed Aluminum Windows: Kawneer Sealair Series 5200, AAMA Specification HC 65/AW65 minimum, deflection limited to L/175 at 20 pounds per square foot wind load, stacked combinations and configurations as indicated on the Drawings.
 - 1. Fixed aluminum windows: AAMA Specification F HC60 minimum.
 - 2. Project-out aluminum windows: AAMA Specification P C40 minimum.
- B. Aluminum Window Framing: Extruded aluminum extrusions, alloys and tempers as determined by manufacturer to provide strength, extrudability, corrosion resistance and suitability for specified finishes.
- C. Hinges: Concealed four-bar friction hinges (2 per ventilator) located on each jamb near the top rail, complying with AAMA 904.
- D. Locks:
 - 1. Operable sash, windows less than 72 inches above finish floor: Combination lever handle and cam-action lock with concealed pawl.
 - 2. Operable sash, windows 72 inches and more above finish floor: Pole-operated, face-mounted transom latch.

- E. Limit Devices: Provide limit devices designed to restrict sash or ventilator opening.
 - 1. Safety Devices: Limit clear opening to 6 inches for ventilation; with custodial key release.
 - F. Pole Operators: Provide one pole operator and pole hanger for every room that has operable windows more than 72 inches above the floor. Fabricate pole of tubular anodized aluminum with a rubber cap at the lower end and standard push-pull hook to match the hardware design at the top end. Provide sufficient length for window operation without reaching more than 60 inches above the floor.
 - G. Shop Sealants: Provide non-hardening sealants as standard with the manufacturer, equivalent to or exceeding minimum qualities of those specified in Section 07 90 00 Joint Protection, conforming to AAMA Specification 803.2 and as required to achieve AAMA performance ratings.
 - H. Anchors, Clips, Shims and Fasteners:
 - 1. Fasteners to surrounding construction: Concealed stainless steel or galvanized steel protected from direct contact with aluminum, or high-strength aluminum protected from contact with other metals and cementitious materials.
 - 2. Internal fasteners: Concealed, stainless steel or other corrosion-resistant metal, compatible with aluminum.
 - 3. Size and spacing of anchors, clips, and fasteners: Suitable for each aluminum window to withstand wind load equal to Performance Class number.
 - I. Flashing: For head and sill.
 - 1. Provide galvanized sheet metal flashing as indicated on Drawings and as specified in Section 07 60 00 - Flashing and Sheet Metal.
 - 2. Provide flexible flashing as indicated on the Drawings and as specified in Section 07 60 00 - Flashing and Sheet Metal.
- 2.3 GLASS AND GLAZING MATERIALS
- A. Glass: Provide glass as specified in Section 08 80 00 - Glazing and as indicated on Drawings.
 - B. Safety Glass: Provide safety glass as required by California Building Code (CBC) and as indicated on Drawings. Safety glazing may be tempered glass or laminated safety glazing as indicated and as permitted by Building Code. See Section 08 80 00 - Glazing.
 - C. Glazing Materials:
 - 1. Glazing materials shall be compatible with aluminum and those joint sealers and sealing materials used in composite structure which have direct contact with the gasket.
 - 2. Standard exterior and interior glazing gaskets shall be dry glazed elastomer complying with ASTM C509.
 - 3. Interior air sealants shall be silicone and shall comply with AAMA 802.5 (Type II).
 - 4. Glazing bead shall be extruded aluminum and shall be minimum 0.050-inch thick.
 - 5. Provide glazing colors approximate to that of aluminum window framing.

PART 3 - EXECUTION

3.1 FABRICATION

- A. Fabrication, General: Fabricate aluminum windows to produce weathertight, rigid, factory glazed or field glazed units in which the glass can be replaced without dismantling the ventilator.
- B. Fabrication for Performance Requirements: In addition to the performance requirements for each aluminum window Type, Grade, and Performance Class in AAMA 101, fabricate units to drain intruding water to the exterior and to fill openings fully.
- C. Expansion and Contraction Provisions: Make provisions for assemblies to expand and contract within a temperature range of 20 degrees F to 165 degrees F.

3.2 ALUMINUM FINISH

- A. Anodized Finish: Identified as "Anodized Finish" on Drawings, Architectural Class I, black color coating conforming to AA standard AA-M10 C22 A42/A44 (Mechanical Finish: as fabricated, nonspecular; Chemical Finish: etched, medium matte; Anodic Coating: Class I Architectural, film thicker than 0.7 mil with integral color or electrolytically deposited color) complying with AAMA 606.1 or AAMA 608.1.

END OF SECTION

08 70 00 – HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES:

- A. Door hardware for hollow steel and wood doors.
- B. Thresholds.
- C. Weather, smoke and sound seals.
- D. Hardware for miscellaneous applications, such as padlocks for roof hatch and gates.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Acceptable Manufacturers: Listed below are specified manufacturers, whose products are the basis of the design, and acceptable manufacturers, whose equivalent products the Contractor may use in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.

Product	Specified Manufacturer	Acceptable Manufacturer
Butt Hinges 5 Knuckle Bearing Hinges	Hager Hinge Company	Stanley Hardware Division/The Stanley Works
Anchor Hinges		McKinney Products Ccompany
Mortise Latchsets and Locksets	Sargent Manufacturing Co.	No substitutions allowed
Lock Cylinders	Sargent Manufacturing Co.	No substitutions allowed
Exit Devices	Sargent Manufacturing Co.	No substitutions allowed
Trilogy Lock	Alarm Lock	No substitutions allowed
Automatic Flush Bolts	H.B. Ives Co.	Door Controls

		International
Coordinators	H.B. Ives Co.	Door Controls International
Surface Overhead Door Closers	Sargent Manufacturing Co.	No substitutions allowed
Surface Pulls	H.B. Ives Co.	Trimco
Vandal-Resistant Pulls	Trimco	H.B. Ives Co.
Push/Pull Plates	H.B. Ives Co.	Trimco
Kick Plates	H.B. Ives Co.	Trimco
Stops and Holders	Trimco	H.B. Ives Co.
Overhead Stops	Glynn-Johnson	Rixson or H.B. Ives Co.
Thresholds	Pemko	Reese Enterprises, Inc. or Zero International
Weather Seals and Smoke Seals	Pemko	Reese Enterprises, Inc. or Zero International
Silencers	H.B. Ives Co.	Trimco

PART 3 - EXECUTION

3.1 DEMOLITION

- A. REMOVE ALL Continuous hinges. We have found that continuous hinges are mainte- NOT USEDnce headache

3.2 DOOR HARDWARE, GENERAL

- A. Door Hardware, General:
 - 1. Provide all door hardware necessary to complete the Work.
 - 2. Provide door hardware complying with accessibility requirements of California Building Code (CBC), including Sections 1133B.2.1, 1133B.2.5.1 and 1003.3.1.8.
 - 3. Provide door hardware as scheduled in DOOR HARDWARE SCHEDULE located at the end of PART 3 of this Section.
- B. Manufacturers: Obtain all items of each type from the same manufacturer.
 - 1. Manufacturer's Name Plates: Do not use products which have manufacturer's name or trade name displayed in a visible location.
 - 2. Exception: Required fire labels.
 - 3. Exception: As directed by or acceptable to the Architect.
 - 4. Exception: Manufacturer's identification on rim of lock cylinders.

- C. Manufacturer's Catalog Numbers: Catalog numbers are indicated in the DOOR HARDWARE SCHEDULE to establish operation, function, quality, weight, size, pattern, design, material, and finish required.
- D. Standards Conformance: Provide hardware manufactured to conform to published templates.
- E. Templates: All hardware applied to metal doors or jambs shall be made to template and secured by machine screws. Furnish templates to the metal door and frame manufacturer for application at the factory, unless otherwise requested.
- F. Scope: Provide all hardware necessary to complete Work. Products not specifically identified but necessary shall be provided of type and quality generally recognized in door hardware industry for service duty of Project type, location and usage, as selected by Contractor and subject to acceptance by Owner and Architect.
- G. Adaptation: Should specified hardware conflict with configuration of doors, frames and surrounding construction, provide comparable alternative hardware which maintains intended function of door, as selected by Contractor and subject to review and acceptance by Owner and Architect.

3.3 FASTENERS

- A. Fasteners, General: Furnish type, quality, size and quantity for long-life installation under hard usage. Conform to manufacturer's instructions and recommendations for fasteners and installation and the following minimum requirements. Provide fasteners which are suitable for the substrate.
- B. Expansion Shields, Hex Bolts and Other Anchors: Provide anchors and fasteners as recommended by hardware manufacturer, subject to review by Architect, and in conformance to fastener requirements specified in Section 05 05 23 - Metal Fastenings. Do not use toggle anchors or powder-actuated fasteners.
- C. Concrete and Masonry Substrates: Furnish hardware with machine screws and expansion anchors.
- D. Fastener Finishes: Match hardware item, typically. Provide stainless steel fasteners at aluminum and stainless steel hardware. Provide corrosion-resistant (zinc-plated steel or stainless steel) at exterior exposure, unheated spaces and damp atmospheres such as rooms with food service cooking and cleaning equipment.
- E. Fasteners at Fire Doors: Conform to labeling requirements of door, frame and hardware. At wood doors, provide sex-nut through-bolts for operating hardware typically unless permitted otherwise by hardware listing.

3.4 HARDWARE FINISHES

- A. Hardware Finishes, General: Provide finishes matching ANSI/BHMA A156.18 designations indicated in DOOR HARDWARE SCHEDULE.
 - 1. Metal finishes: At Contractor's option, stainless steel may be provided instead of satin chrome plating. Where stainless steel is indicated, substitution of satin chrome plating will not be acceptable.
 - 2. Plastic and painted finishes: Color shall be selected by Architect from manufacturer's full selection, if not otherwise indicated.

- B. Chrome, Satin Finish: Scheduled as 626.
 - 1. Plated on steel: BHMA 652 (US26D).
 - 2. Plated on brass or bronze: BHMA 626 (US26D).
- C. Stainless Steel: Scheduled as 630. Provide as scheduled and as alternative to Satin Finish Chrome finish at Contractor's option.
 - 1. Polished: BHMA 629 (US32).
 - 2. Brushed: BHMA 630 (US32D).
- D. Aluminum:
 - 1. Manufacturer's standard finish: Indicated as AL or ALUM, either satin anodized or clear coated as standard with product manufacturer.
 - 2. Satin anodized, natural metal color: BHMA 628.
 - 3. Clear coated: BHMA 673.
 - 4. Manufacturer's standard finish: Indicated as ALUM, either satin anodized or clear coated as standard with product manufacturer.
 - 5. Powder coated: Proprietary powdered stainless steel (PemKote).
- E. Primer Coat:
 - 1. Primer on steel: BHMA 600 (PC).
 - 2. Primer on brass or bronze: BHMA 163 (PC).
- F. Mill Finish: For brass and aluminum, as noted, MILL.
- G. Colored Finishes:
 - 1. Factory Colored Coatings: Color code as indicated, corresponding to specified manufacturer's coating type and color.
 - 2. Surface Door Closers: Factory powder coated on exposed metal components, to match door hardware finish color, unless otherwise noted.

3.5 FIRE-RATED HARDWARE

- A. Fire-Rated Hardware: Provide UL-listed and approved hardware for fire-labeled assemblies in compliance with NFPA 80.
 - 1. Confirm that hardware provided conforms to fire tested assembly (coordinate with doors provided).
 - 2. Where exit devices are provided on fire-rated doors, provide door with UL fire door label indicating, "Fire Door to be Equipped with Fire Exit Hardware", and provide door hardware with UL exit device label indicating "Fire Exit Hardware".
- B. Hinges at Fire-Rated Assemblies: Steel base material only.
- C. Closers: Bolted (not screwed) to door reinforcement or through-bolted with sex-nut fasteners.
- D. Latchbolts and Deadbolts: 1/2-inch minimum throw or as required for fire rated assembly label.

3.6 EXIT DOOR HARDWARE

- A. Exit Door Hardware: Provide UL listed and approved hardware for exit (panic) door operation.
- B. Exit Door Hardware Operation: Exit doors shall be openable at all times from the inside without use of key or special knowledge or effort.
- C. Door Closers at Exit Doors: Closers shall comply with California Building Code (CBC), wheelchair accessibility regulations and door pull forces at accessible doors, including CBC Sections 1133B.2.1, 1133B.2.5 and 1133B.2.5.1. Pressure required at doors with closers shall not exceed:
 - 1. Fire-rated doors: 15 pounds.
 - 2. All other exterior doors: 8.5 pounds.
 - 3. All other interior doors: 5 pounds.

3.7 BUTT HINGES

- A. Butt Hinges, General: Full-mortise, 5-knuckle design, templated. See DOOR HARDWARE SCHEDULE for specific products. Provide shims and shimming instructions for proper door adjustment.
 - 1. Typical interior butt hinges: Standard weight, steel base metal, steel pin, plated.
 - 2. Typical exterior butt hinges: Stainless steel, with stainless steel pin.
- B. Non-Removable Pins (NRP) at Butt Hinges:
 - 1. Exterior doors: Provide non-removable pins at all outswing exterior doors.
 - 2. Interior doors: Provide non-removable pins at all interior doors with locksets where hinges are exposed on key side of door.
- C. Low-Friction Hinges: Provide ball bearing hinges at all doors with closers.
- D. Butt Hinge Height and Weight: As scheduled. If not scheduled or otherwise indicated, provide height and weight of butt hinges as follows:

Door Thickness	Door Width	Hinge Height	Hinge Weight
1-3/4 inches	to 36 inches	4-1/2 inches	Standard
1-3/4 inches	37 inches to 42 inches	5 inches	Heavy
1-3/4 inches	over 42 inches	5 inches	Extra heavy

- E. Butt Hinge Width: Unless otherwise specified, the width of butt hinges shall be sufficient to clear frame and trim projection when door swings 180 degrees.
- F. Butt Hinge Quantity: As scheduled. If not scheduled or otherwise indicated, provide three hinges per leaf to 7'-6" height. Add one for each additional 30 inches in height or fraction thereof.
- G. Hinge Tips: Standard flat tips.

- H. Fire Rated Wood Doors: Use half surface half mortise hinges sex bolted through the door.
- 3.8 LATCHSETS AND LOCKSETS
- A. Latchsets and Locksets, General: Exit doors shall be openable from the inside without the use of a key or any special knowledge or effort, in compliance with California Building Code (CBC) Section 1003.3.1.8.
 - B. Mortise Latchsets/Locksets: Sargent Series and lever handle design to match existing campus standard latchsets and locksets. See DOOR HARDWARE SCHEDULE for latchset/lockset catalog numbers and functions.
 - C. Latchbolts: Throw shall conform to fire label requirements.
- 3.9 LOCK CYLINDERS, KEYING AND KEYS
- A. Lock Cylinders: Match existing school campus lock cylinder type, keyway and keying.
 - 1. District uses a restricted keyway.
 - 2. Obtain letter of authorization from District for Contractor (hardware supplier) to purchase locks with restricted keyway and keys.
 - B. Keying:
 - 1. Consult with Owner (District Locksmith) for keying and ordering instructions.
 - 2. Comply with Owner's instructions for key and lock control.
 - 3. Provide building masterkeying as directed by Owner, to suit keying of existing school campus.
 - 4. Final keying shall be by District Lock Shop.
 - C. Keys: Standard bow. Identify keys as directed by district lockshop.
 - D. Key Quantities:
 - 1. Construction keys: Twenty.
 - 2. Extractor keys: Two.
 - 3. Keying by district lockshop.
 - E. Temporary Construction Keying:
 - 1. Internal construction keying function: Provide temporary construction lock cylinder feature on door locks as necessary for security during construction.
 - 2. Removal of internal construction keying: Prior to Substantial Completion review or Owner occupancy, whichever is earliest, extract construction key blank and establish permanent lock keying.

3.10 EXIT DEVICES

- A. Exit Devices (Panic Hardware): Manufacturer and series as scheduled, lever handle to match building locksets, quiet return, deadlocking latchbolt, stainless steel touchpads, non-handed. See DOOR HARDWARE SCHEDULE for products.
 - 1. Unlatching force for exit devices shall not exceed 15 pounds applied in the direction of travel, in compliance with UBC Standard 10-4.
 - 2. Exit devices shall comply with CBC Section 1003.3.1.9.

3.11 ACCESS CONTROL LOCKS

- A. Access Control Locks to be Networx series as manufactured by Alarm Lock Systems
- B. Locks shall conform to ANSI A.156 Grade 1
- C. Provide configuration of lock as required by hardware group
 - 1. Cylindrical lock type
 - a. Proximity/keypad – Model Series PDL6100
 - 2. Mortise lock type
 - a. Proximity/keypad – Model Series PDL6500
 - 3. Exit device trim type
 - a. Proximity/keypad – Model Series ETPDLN
 - 4. Keypad switch type
 - a. Digital keypad only – Model Series NETPDK
- D. Programming
 - 1. All programming, including user credentials, scheduling and audit trail retrieval, shall be performed using Alarm Lock DL-Windows software version 4.1.8x or higher.
 - 2. Communication of all programming from computer containing software to locks shall be through Alarm Lock Gateway model appropriate for building's network system.
- E. Gateway
 - 1. Ethernet connected gateway – Model Series AL-IME
 - 2. Power over Ethernet connected gateway, plenum rated – Model Series AL-IMEPOEP
- F. Lock Features
 - 1. Locks, except keypad switch type, to be battery powered by 4 each "C" size batteries providing 5 year life under normal operating conditions.
 - 2. Locks to support up to 5000 users with 3-6 digit numeric PIN code, or HID format proximity credential, or both for dual credential requirement.
 - 3. Locks to support up to 500 event schedules.
 - 4. Locks to support in non-volatile memory 35,000 event audit trail.
 - 5. Locks to be weatherproof for indoor or outdoor use in operating temperature range of -31 to +151 degrees Fahrenheit.

6. Locks shall continue to operate as last instructed including maintaining schedules and audit trail, independent of building network system failure.
7. Locks shall be capable of providing a system-wide global emergency lockdown/unlock within 10 seconds when initiated by authorized user from any lock, or from the DL-Windows software.
8. Locks shall adjust schedules automatically to correspond with daylight savings time.
9. Locks shall have remote release capability through hard-wired connection.
10. Locks shall have a single pole, double throw relay output to provide external functions through hard-wired connection.

G. Gateway Features

1. Each gateway shall support up to 63 locks.
2. Each gateway to communicate to software through the building's network system.
3. Ethernet connected gateway
 - a. Interface: Ethernet 10Base-T or 100Base-TX
 - b. Protocols: TCP/IP, UDP/IP, DHCP
4. Security: IEEE 802.11 – PSK with 128-bit AES Rijndael Encryption
5. Each gateway to communicate to locks through 900 MHz GFSK proprietary 128-bit encryption.
 - a. 50 channels
 - b. 10mW power output
6. Environment
 - a. Indoor installation
 - b. Operating temperature: -4 to +140 degrees Fahrenheit

H. Software

1. Software to be Alarm Lock DL-Windows supporting 2000 locks per system account with a maximum of 50 gateways per system account.
2. Contractor shall provide end user software training by an Alarm Lock Networx Certified dealer or instructor.

I. Provide consulting services by Alarm Lock Networx Certified dealer or instructor to end user IT Department for installation of DL-Windows software and connection of Gateway(s) to building network system.

3.12 FLUSH BOLTS

- A. Automatic-Latching Flush Bolts: ANSI A115.4, UL listed. See DOOR HARDWARE SCHEDULE for products.
- B. Flush Bolt Strikes:
 1. Head Strikes: Manufacturer's standard.
 2. Sill Strikes: Dustproof.

3.13 COORDINATORS

- A. Coordinators, General: Automatic coordinating device for sequential closing of paired doors; prevent active leaf from closing ahead of inactive leaf. See DOOR HARDWARE SCHEDULE for products.
- B. Coordinators at Typical Locations: Provide at pairs of labeled fire doors, selection suitable for flush bolts and exit devices installed on doors. See DOOR HARDWARE SCHEDULE for products.
- C. Accessories: Provide carry-bar and strike at exit doors, as appropriate. Provide additional hardware for stop (soffit) applied coordinator for complete and proper installation in accordance with UL labeling requirements.

3.14 SURFACE OVERHEAD DOOR CLOSERS

- A. Surface Overhead Door Closers: Rack and pinion type with removable non-ferrous case and cast iron body. See DOOR HARDWARE SCHEDULE for products.
 - 1. Provide closers non-handed, non-sized and adjustable.
 - 2. Locate closers inside building and rooms.
 - 3. Exterior door closers shall have been successfully tested to 100 hours of ASTM B117 salt spray test.
 - 4. Exterior doors shall not require seasonal adjustments in temperatures from 120 degrees F to -30 degrees F.
 - 5. Provide through-bolts at wood doors unless doors are furnished with blocking for closers.
 - 6. Provide flush transom offset brackets where parallel arm closers are listed for doors with fixed panels over.
 - 7. Provide drop brackets at narrow head rails.
 - 8. Provide screw spacers as necessary for parallel-arm brackets.
- B. Wheelchair and Persons with Disabilities Accessibility Provisions: Reduced operating force design, complying with California Building Code (CBC) for wheelchair accessibility and dependent persons use. See DOOR HARDWARE SCHEDULE for products.
 - 1. Maximum effort to operate doors shall not exceed 8-1/2 pounds for exterior doors and 5 pounds for interior doors, such pull or push effort being applied at right angles to hinged doors and at the center plane of sliding or folding doors.
 - 2. Compensating devices or automatic door operators may be utilized to meet the above standards.
 - 3. When fire doors are required, the maximum effort to operate the door may be increased not to exceed 15 pounds.
- C. Door Closer Finishes: Provide metal covers and exposed arms painted to approximate plated finish.

3.15 PUSH/PULL PLATES

- A. Stainless Steel Push/Pull Plates: 0.050-inch, fully rounded top and bottom. See DOOR HARDWARE SCHEDULE for products and sizes.
- B. Plated Brass Push/Pull Plates: Cold-forged, 0.050-inch. See DOOR HARDWARE SCHEDULE for products and sizes.

3.16 KICKPLATES

- A. Kickplates: 0.50-inch thick stainless steel, with four beveled edges. Provide machine or wood screws of stainless steel. See DOOR HARDWARE SCHEDULE for products.
- B. Kickplate Sizes:
 - 1. Single doors: Door width less 2 inches.
 - 2. Double doors: Door width less 1 inch.
 - 3. Height: As scheduled, 10 inches typically.

3.17 DOOR BUMPERS AND DOOR STOPS

- A. Door Bumpers and Door Stops: See DOOR HARDWARE SCHEDULE for products.
 - 1. Unless otherwise noted in the DOOR HARDWARE SCHEDULE, provide floor type with appropriate fasteners.
 - 2. Where floor type cannot be used, provide wall type.
 - 3. If neither wall nor floor type can be used, provide overhead type.
- B. Fasteners:
 - 1. Anchors to concrete and masonry substrates: Provide expansion anchors. Refer to Section 05 05 23 – Metal Fastenings.
 - 2. Anchors to steel framing: Provide sheet metal screws into framing or into sheet metal backing. Provide expansion anchor.
 - 3. Anchors to wood framing: Provide wood screws or sheet metal screws into framing or into solid wood backing.
 - 4. Do not use toggle or molly-type anchors. Do not use powder-actuated driven fasteners.

3.18 THRESHOLDS

- A. Thresholds, General: Wheelchair-accessible design, complying with California Building Code (CBC) Section 1133B.2.4.1. See DOOR HARDWARE SCHEDULE for products. Provide closed end returns where threshold extends beyond face of door frame.
- B. Threshold Finish: Non-slip grit surfacing.
- C. Fasteners:
 - 1. Non-ferrous, 1/4-inch fasteners, Red-Head #SFS-1420 (or approved equivalent) Flat Head Sleeve Anchors (FHSL).
 - 2. Provide countersunk, corrosion-resistant fasteners.

3. At concrete slab on grade, provide expansion anchors.
4. Fasteners shall comply with general requirements for anchors and fasteners specified in Section 05 05 23 – Metal Fastenings.

3.19 WEATHER, SOUND AND SMOKE SEALS

- A. Weather Seals: Provide at all exterior doors. See DOOR HARDWARE SCHEDULE for products.
- B. Sound Seals: Provide at interior doors as scheduled. See DOOR HARDWARE SCHEDULE for products.
- C. Smoke Seals: See DOOR HARDWARE SCHEDULE for products. Provide UL-listed and UL-labelled smoke seals at all fire-rated door assemblies.
 1. Contractor shall provide intumescent seals complying with test requirements of door frame and door.
 2. Intumescent seals shall be concealed when door is closed and not rely upon exposed fasteners.

3.20 SILENCERS

- A. Silencers, General: Provide silencers (mutes) typically at all doors which do not have weather, sound or smoke seals. See DOOR HARDWARE SCHEDULE for products. Provide three silencers for single doors and two silencers at pairs of doors. Omit silencers at fire-rated door assemblies.
- B. Wired Glass Sealant: Fire-resistant compound which passes ASTM E152 or E163 when tested with wired glass in metal fire rated door vision lites or fire rated windows.

END OF SECTION

08 80 00 – GLAZING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES:

- A. Vision glass: Clear, low-E coated and clear wired.
- B. Safety glass: Tempered glass.
- C. Sealed insulating glass ("double-glazed") units.
- D. Glazing materials.
- E. Field installation of glazing for doors and windows provided open for field glazing. Commercial-grade, fixed and operable aluminum windows.

PART 2 - PRODUCTS

2.1 GLASS, GENERAL

- A. Primary Glass Standard: Provide primary glass which complies with ASTM C1036 requirements, including those indicated by reference to type, class, quality, and, if applicable, form, finish, mesh and pattern.
- B. Heat-Treated Glass Standard: Provide heat-treated glass which complies with ASTM C1048 requirements, including those indicated by reference to kind, condition, type, quality, class, and, if applicable, form, finish, and pattern.
- C. Tempered Glass: Provide tempered glass where required by California Building Code (CBC), Section 2406 - Safety Glazing, and US Consumer Product Safety Commission Standard 16CFR1201 CI and CII, including all openings of non-rated doors, all glazed openings within 4 feet of the side of a door and all glazed openings within 18 inches of the floor or walkway adjacent and wherever safety glazing or tempered glass is indicated or specified.

2.2 VISION GLASS

- A. Vision Glass, General: Vision glass shall conform to ASTM C1036 or ASTM C1048, as applicable. Thicknesses, where shown, are minimum. Determine thickness in conformance to applicable California Building Code (CBC) requirements and standards. Provide clear glass typically.
- B. Clear Float Glass: Q3 (Glazing Select) quality, annealed, heat-strengthened or tempered as indicated. Provide double-strength (DS) glass, minimum 3/16-inch thick, with actual thickness according to manufacturer's span tables.

- C. Clear Low-E Float Glass: Viracon Solarscreen 2000 Low-E VE 1-2M, low-emissivity clear glass, 70 percent light transmittance, Q3 (Glazing Select) quality, annealed, heat-strengthened or tempered as indicated. Provide 1/4-inch thick low-E glass typically.
- D. Tempered Glass: ASTM C1048, Kind FT, Condition A, Type I, Class 1 or 2, Quality q3, 1/4-inch thick unless otherwise noted.
 - 1. Provide tempered glass where required by Code, including in all openings of non-rated doors, all glazed openings within 4 feet of the side of a door and all glazed openings within 18 inches of the floor or walkway adjacent and wherever safety glazing or tempered glass is indicated or specified.
 - 2. Temper glass by horizontal (roller hearth, "tongless") process, to be free of tong marks.
 - 3. Label all tempered glass by permanent method, indicating glass type, manufacturer and compliance with applicable standard.
- E. Wired Glass: ASTM C1036, Type II, Class 1, Form 1, Quality q8, Mesh m2, rolled, polished glass with completely embedded layer of square mesh bright steel wires that will retard fire and be retained in frame upon fracture, Polished Misco by Hordis, or approved equivalent.
 - 1. Thickness: 1/4-inch nominal.
 - 2. Fire resistance: Certified by producer as capable of passing ASTM E152 or ASTM E163 fire resistance test, including hose stream test.
 - 3. Label all wired glass used in fire-rated assembly, by permanent method, indicating glass type, manufacturer and compliance with applicable standard.

2.3 SEALED INSULATING GLASS UNITS

- A. Sealed Insulating Glass Units: Preassembled units consisting of organically sealed lites of glass separated by dehydrated air spaces complying with Sealed Insulating Glass Manufacturers Association (SIGMA) standards for construction and insulating value. Insulating glass unit design shall have passed class CBA test in accordance with ASTM E774. Label each insulating glass unit.
 - 1. Provide double-glazed sealed insulating glass units as standard with glass fabricator. Units shall be 1 inch net thickness.
 - 2. Units shall consist of outboard lite of clear glass and inboard lite of specified low-E (low-emissivity) clear glass, with low-E coating at inside (no. 3) face.
 - 3. Provide units fabricated with tempered safety glass where required.
- B. Sealing System: Dual seal, with primary and secondary sealants as standard with manufacturer.
- C. Spacer Specifications: Manufacturer's standard spacer material and construction, using aluminum with black color-anodized finish.
 - 1. Desiccant: Molecular sieve or silica gel, or blend of both.
 - 2. Corner construction: Manufacturer's standard corner construction.

2.4 GLAZING MATERIALS

- A. Glass Setting Blocks, Edge Blocks, Spacers and Gaskets: Chloroprene (neoprene), EPDM or silicone.
 - 1. Applicable standard: ASTM C864.
 - 2. Hardness of setting blocks: Sufficient to compress no more than 20% under weight of glass.
- B. Shims and Spacers for Leveling and Securing Framing Members: Aluminum, compatible stainless steel, or other plated or corrosion resistant non-resilient material. Do not use wood for shims.
- C. Compressible Filler Rod: Closed-cell or waterproof-jacketed foam of polyethylene, butyl rubber, neoprene, polyurethane or vinyl, tested for compatibility with specified glazing sealants, of 5 to 10 psi compression strength (25 percent deflection), recommended by sealant manufacturer for use in glazing channel to prevent sealant exudation from the channel.
- D. Cleaners and Solvents: As recommended by glazing material producer for each type of glass, glazing material and substrate.

2.5 GLAZING ACCESSORIES

- A. Glazing Accessories, General: Provide accessories as required for a complete installation. Accessories shall include glazing points, clips, shims, angles, beads, and spacer strips.
- B. Metal Accessories: Provide noncorroding metal accessories.
- C. Primer-Sealers and Cleaners: As recommended by the glass and sealant manufacturers.

2.6 COMPRESSION GASKET AND PREFORMED GASKET DRY GLAZING

- A. Compression Gasket and Preformed Gasket Dry Glazing: Chloroprene (neoprene), EPDM, or silicone compression gaskets in a soft and a dense formulation for the two sides of the glass. Select soft gasket to compress 25 to 40 percent when glass and dense gasket are in place.
 - 1. Where small lites (as in doors) can be glazed with a continuous preformed elastomeric glazing extrusion, use a gasket of the dense formulation, compressed to watertightness outside and inside, with either a bent joint or a tightly compressed cut joint at corners.
- B. Applicable Standards:
 - 1. Soft gaskets: ASTM C509.
 - 2. Dense gaskets: ASTM C864.

2.7 WIRED GLASS SEALANT

- A. Wired Glass Sealant: Fire-resistant compound which passes ASTM E152 or E163 when tested with wired glass in metal fire rated door vision lites or fire rated windows.

PART 3 - EXECUTION - NOT USED

END OF SECTION

08 91 00 – LOUVERS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Fixed metal louvers in exterior walls.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Galvanized Steel Sheet: ASTM A526 or ASTM A527, G90 coating designation, unless otherwise indicated, mill phosphatized.
- B. Fasteners: Of same basic metal and alloy as fastened metal, unless otherwise indicated. Do not use metals which are corrosive or incompatible with materials joined.
 - 1. Use types, gauges, and lengths to suit unit installation conditions.
 - 2. Use Phillips flat-head machine screws for exposed fasteners, unless otherwise indicated.
- C. Anchors and Inserts: Of type, size, and material required for type of loading and installation indicated.
 - 1. Use nonferrous metal or hot-dip galvanized anchors and inserts for exterior installations and elsewhere as required for corrosion resistance.
 - 2. Use toothed steel or expansion bolt devices for drilled-in-place anchors.

2.2 MANUFACTURERS

- A. Specified Manufacturer: Industrial Louvers, Inc., Delano, MN (612/972-2981).
- B. Acceptable Manufacturers: As listed below. Products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Slight manufacturing variances will be accepted if general appearance, materials, finishes, weathering and air flow characteristics are equivalent to those specified.
 - 1. Airolite Company, Marietta, GA (614/373-7676).
 - 2. Penn Ventilator Company, Inc., Philadelphia, PA (215/464-8900).
 - 3. Construction Specialties, Inc. (C/S), Cranford, NJ (800/447-1983).

2.3 FIXED WALL LOUVERS

- A. Fixed Louvers for Wood-Framed (Cement Plaster) Walls: Industrial Louvers Model 406.
 - 1. Louver frame: Formed 16 gauge galvanized sheet steel, nominal 4 inches deep, channel-type "C" frame configuration, with integral nailing fin and plaster stop.
 - 2. Louver blades: Weather-resistant Z-blade design, 16 gauge galvanized sheet steel, 30-degree blade angle.
- B. Louver Sizes: As indicated on the Drawings.
- C. Mullions: If required due to width of louver, provide invisible type, spaced not to exceed manufacturers maximum recommendation.
- D. Screening: 18x16 insect mesh with formed metal frame.
 - 1. Provide removable screening at all exterior wall louvers, except where connected to exhaust ductwork.
 - 2. Mount screen at interior face of louver typically and at exterior face at air intake louvers connected to ductwork.
- E. Fasteners: Provide high-strength aluminum or stainless steel fasteners, clips and anchors to suit installation conditions. Fasteners shall be concealed or tamper-resistant.
- F. Flashing:
 - 1. Paper flashing: Pure copper laminated to heavy kraft paper, reinforced with glass fiber, 2 ounces per square foot weight, Fortifiber Corporation, Copper Armored Sisalkraft, to integrate with building paper specified in Section 09 24 00 - Portland Cement Plastering to properly flash and seal wall louvers.
 - 2. Metal flashing: Provide head flashing, of galvanized sheet metal, as specified in Section 07 60 00 - Flashing and Sheet Metal.
- G. Sealants: Refer to Section 07 90 00 - Joint Protection.

PART 3 - EXECUTION - NOT USED

END OF SECTION

DIVISION 09 – FINISHES

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements.

09 22 16 – NON-STRUCTURAL METAL FRAMING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Light gauge metal stud framing for gypsum board attachment at interior walls and partitions.
- B. Related backing and bridging.
- C. Furring at structural steel framing, masonry and concrete construction for gypsum board attachment.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturers: Products of the manufacturers listed below will be acceptable. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. California Expanded Metal Products Co. (CEMCO), City of Industry, CA (818/369-3564).
 - 2. National Gypsum Co. (Gold Bond), Charlotte, NC (704/365-7315 or 800/628-4662; local sales office, Long Beach, CA 310/435-4465).
 - 3. Western Metal Lath Co., La Mirada, CA (310/944-6117 or 714/523-2160).
 - 4. Delta-Star, Inc., Belmont, CA (800/892-8673).

PART 3 - EXECUTION

3.1 LIGHT GAUGE METAL FRAMING, 20 GAUGE AND LIGHTER

- A. Framing Members (Studs/Joists): ASTM C645, minimum yield strength 33 ksi, types, and sizes as indicated on Drawings, gauge as indicated on Drawings and as required to meet span and deflection limitations, punched web unless otherwise indicated, with screw-type flanges.
- B. Tracks, Sills and Headers: Unpunched channels sized for stud flanges, gauge the same as studs unless otherwise noted. Under structural framing members and decking, provide deflection track at head of partition, as indicated on the Drawings.

- C. Flexible Track:
 - 1. Specified Manufacturer: Superior Metal Trim by Delta-Star, Inc., Belmont, CA (800/892-8673).
 - 2. Acceptable Manufacturers: None identified. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 3. Flexible Head Track: Superior SFT Series, gauge to match studs, width to suit stud framing.
 - D. Finish: Aluminum-zinc corrosion resistant coating, ASTM A792 or hot dipped galvanized ASTM A525 G60.
 - E. Screws: As recommended or required by manufacturer, self-drilling, self-tapping in accordance with manufacturer's recommendations and ML/SFA specifications.
- 3.2 LIGHT GAUGE METAL FRAMING, 18 GAUGE AND HEAVIER
- A. Studs: ASTM C645, minimum yield strength 33 ksi, types, sizes and gauges as indicated on Drawings, punched web unless otherwise indicated, with screw-type flanges.
 - B. Finish: Hot dipped galvanized, ASTM A525, coating weight G60.
 - C. Standard Structural Steel Shapes and Plates: As specified in Section 05 50 00 - Metal Fabrications.
 - D. Fabricated Steel Items: As specified in Section 05 50 00 - Metal Fabrications, ASTM A283, grade optional.
 - E. Flat-Rolled Carbon Steel Sheets: ASTM A611.
 - F. Cold-Rolled Carbon Steel Sheets: ASTM A366.
 - G. Other Fasteners: Provide all bolts, nuts, screws, clips, washers and any other fastenings necessary for proper erection of items specified herein. See S Section 05 05 23 – Metal Fastenings for additional requirements.
- 3.3 ACCESSORIES
- A. Backing Plates: 16 gauge galvanized sheet metal covering full width of stud spacing by 4 inches wide minimum, for attachment and support of products to be attached to framing.

END OF SECTION

09 22 26 – SUSPENSION SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Grid suspension system for direct attachment of gypsum board at suspended interior soffits and ceilings.
- B. Suspended cold-rolled steel channels and screwable furring for furring at exterior plaster soffits.
- C. Related backing and bridging.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Grid Suspension System for Interior Ceilings: Subject to compliance with requirements, provide one of the following:
 - 1. Armstrong World Industries, Inc.; Furring Systems/Drywall.
 - 2. Chicago Metallic Corporation; Drywall Furring 640 or Drywall Furring 660 System, as appropriate to duty rating; Fire Front 630, Fire Front 650 or Fire Front 670 System as appropriate to duty rating and fire rating.
 - 3. USG Interiors, Inc.; Drywall Suspension System.
- B. Metal Furring
 - 1. Specified Manufacturer: United States Gypsum Company (USG), Chicago, IL (312/606-4000; local representative, Glendale, CA 818/956-1882 or 800/964-4874).
 - 2. Acceptable Manufacturers: Products of the manufacturers listed below will be acceptable.
 - a. Angeles Metal Systems, Los Angeles, CA (213/268-1777).
 - b. California Expanded Metal Products Co. (CEMCO), City of Industry, CA (818/369-3564).
 - c. National Gypsum Co. (Gold Bond), Charlotte, NC (704/365-7315 or 800/628-4662; local sales office, Long Beach, CA 310/435-4465).
 - d. Western Metal Lath Co., La Mirada, CA (310/944-6117 or 714/523-2160).

PART 3 - EXECUTION

3.1 GRID SUSPENSION SYSTEM OF INTERIOR CEILINGS

- A. Provide direct-hung system composed of main beams and cross-furring members that interlock complying with ASTM C645.

3.2 METAL FURRING

- A. Channels: 1-1/2-inch cold rolled steel channel, hot dipped galvanized.
- B. Hat Section Furring Channels: 1-5/8-inch steel stud or 7/8-inch deep special furring shape, cold rolled light gauge steel, minimum 25 gauge, galvanized, with matching track as required.
- C. Z-Shape Furring Channels: Cold rolled light gauge steel, minimum 25 gauge, galvanized, with matching track, depth to suit insulation thickness or as indicated.
- D. Furring Channel Clip: United States Gypsum Company (USG) Metal Furring Channel Clip, or equal.
- E. Wall Furring Bracket: United States Gypsum Company (USG) product, or equal.

3.3 BRACES AND SUPPORTS:

- A. Galvanized steel, size and type to suit application, to rigidly support and secure acoustic ceiling system including support of integral mechanical and electrical components with maximum deflection of 1/360 and to seismically brace ceiling in accordance with applicable Code requirements.
- B. Hanger Rods: Mild steel, zinc coated, or protected with rust- inhibitive paint.
- C. Flat Hangers: Mild steel, zinc coated, or protected with rust inhibitive paint.
- D. Angle Hangers: Angles with legs not less than 7/8-inch wide, formed with 0.0365-inch-thick galvanized steel sheet complying with ASTM A446, Coating Designation G90, with bolted connections and 5/16-inch-diameter bolts.
- E. Hangers Wires: ASTM A 641, soft temper, pre-stretched, Class 1 coating, sized so that stress at 3-times hanger design load (ASTM C 635, Table 1, Direct Hung), will be less than yield stress of wire, but provide not less than 12 gauge (0.1055-inch diameter).
- F. Tie Wire: 18 gauge annealed low carbon steel, galvanized.
- G. Screws: ITW/Buildex, USG or equal, self-drilling, self-tapping, low profile head where covered by gypsum board, length in accordance with manufacturer's recommendations and ML/SFA specifications.
- H. Nails: Annular ring drywall nail, length in accordance with framing manufacturer's recommendations and ML/SFA specifications.

3.4 ACCESSORIES

- A. Backing Plates: 16 gauge galvanized sheet metal covering full width of stud spacing by 4 inches wide minimum, for attachment and support of products to be attached to framing.

END OF SECTION

09 23 00 – GYPSUM PLASTERING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Gypsum plasterwork on expanded-metal lath, to repair existing gypsum plaster.
- B. Patching of existing gypsum plaster.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Expanded-Metal Lath, General (ASTM C 847). Acceptable Manufacturers: Provide lath produced by one of the following or equivalent product in compliance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. Alabama Metal Industries Corporation (AMICO).
 - 2. California Expanded Metal Products Company (CEMCO).
 - 3. Unimast, Inc.
 - 4. Western Metal Lath & Steel Framing Systems.
- B. Zinc and Zinc-Coated (Galvanized) Accessories: Provide lath produced by one of the following or equivalent product in compliance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. Alabama Metal Industries Corporation (AMICO).
 - 2. California Expanded Metal Products Company (CEMCO).
 - 3. Unimast, Inc.
 - 4. Western Metal Lath & Steel Framing Systems.
- C. Paper Backing: Reinforced kraft-type paper with asphalt-treated core, complying with UBC Standard 14-1, or equivalent product in compliance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. Super Jumbo-Tex, Fortifiber Corporation, Incline Village, NV (775/833-6161 or 800/443-4079)

- D. Gypsum Ready-Mixed Plaster. Acceptable manufacturers and products: Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. National Gypsum Company; Gold Bond Gypsolite.
 - 2. United States Gypsum Co.; Structo-Lite.
- E. Gypsum Neat Plaster: For use with job-mixed aggregates. Acceptable manufacturers and products: Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. National Gypsum Company; Gold Bond Two-Way Hardwall Plaster.
 - 2. United States Gypsum Co.; Red Top Two-Purpose Plaster.
- F. High-Strength Gypsum Neat Plaster: With a minimum, average, dry compressive strength of 2800 psi (19 MPa) per ASTM C 472 for a mix of 100 lb of plaster and 2 cu. ft. of sand. Acceptable manufacturer and product: Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. United States Gypsum Co.; Structo-Base.
- G. Gypsum Gauging Plaster: ASTM C 28/C 28M. Acceptable manufacturers and products: Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. National Gypsum Company; Gauging Plaster (Super-White).
 - 2. United States Gypsum Co.; Champion Gauging, Red Top Gauging Gypsum or Star Gauging Plaster, as recommended by manufacturer for application conditions.
- H. Gypsum Ready-Mixed Finish Plaster: Manufacturer's standard, mill-mixed, gauged, interior finish. Acceptable manufacturers and products: Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. National Gypsum Company; Gold Bond Kal-Kote Smooth, Kal-Kote Texture, Uni-Kal or X-KALibur, as recommended by manufacturer for application conditions.
 - 2. United States Gypsum Co.; Imperial Finish Plaster, Diamond Brand Interior Finish Plaster or Red Top Finish, as recommended by manufacturer for application conditions.
- I. High-Strength Gypsum Gauging Plaster: ASTM C 28/C 28M, with a minimum, average, dry compressive strength of 5000 psi (34 MPa) per ASTM C 472 for a neat mix.
- J. Acceptable manufacturer and product: Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. United States Gypsum Co.; Structo-Gauge.
- K. Lime: ASTM C 206, hydrated finishing type.
 - 1. Type S: Autoclaved, double-hydrate lime. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - a. United States Gypsum Co.; Ivory or Snowdrift Finish Lime, as recommended by manufacturer for application conditions.

2. Type N: Normal, single-hydrate lime. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - a. United States Gypsum Co.; Grand Prize Finish Lime.

PART 3 - EXECUTION

3.1 GENERAL

- A. Profice lath and accessories where indicated on the drawings.
- B. Finish: ASTM A 653/A 653M, G60 (Z180), hot-dip galvanized zinc coating.

3.2 LATH

- A. Diamond-Mesh Lath: Self-furring, weighing 3.4 lb/sq. yd.
- B. Flat Rib Lath: Rib depth of not more than 1/8-inch weighing 3.4 lb/sq. yd.

3.3 ACCESSORIES

- A. Accessories, General: Comply with ASTM C 841 and coordinate depth of trim and accessories with thicknesses and number of plaster coats required.
- B. Zinc and Zinc-Coated (Galvanized) Accessories:
 1. Cornerite: Fabricated from expanded-metal lath with ASTM A 653/A 653M, G60 (Z180), hot-dip galvanized zinc coating.
 2. Striplath: Fabricated from expanded-metal lath with ASTM A 653/A 653M, G60 (Z180), hot-dip galvanized zinc coating.
 3. Cornerbeads: Fabricated from zinc-coated (galvanized) steel.
 - a. Provide small nose cornerbead with expanded flanges, unless otherwise indicated.
 - b. Provide small nose cornerbead with perforated flanges on curved corners.
 - c. Provide small nose cornerbead with expanded flanges reinforced by perforated stiffening rib at on columns and for finishing unit masonry corners.
 - d. Provide bull nose cornerbead, radius 3/4-inch minimum, with expanded flanges at locations indicated on Drawings.
 4. Casing Beads: Fabricated from zinc-coated (galvanized) steel, square-edged style, with expanded flanges.
 5. Control Joints: Fabricated from zinc or zinc-coated (galvanized) steel, one-piece-type, folded pair of unperforated screeds in M-shaped configuration, with perforated flanges and removable protective tape on plaster face of control joint.
 6. Expansion Joints: Fabricated from zinc or zinc-coated (galvanized) steel, folded pair of unperforated screeds in M-shaped configuration, with expanded flanges.

3.4 MISCELLANEOUS MATERIALS

- A. Water for Mixing and Finishing Plaster: Potable and free of substances capable of affecting plaster set or of damaging plaster, lath, or accessories.
 - B. Bonding Compound: ASTM C 631.
 - C. Steel Drill Screws: For metal-to-metal fastening, ASTM C 1002 or ASTM C 954, as required by thickness of metal being fastened, with pan head that is suitable for application, in lengths required to achieve penetration through joined materials of not fewer than three exposed threads.
 - D. Fasteners for Attaching Metal Lath to Substrates: Complying with ASTM C 841.
 - E. Paper backing: Provide paper backing to reduce plaster "push-through" or "blow-through" waste.
- 3.5 BASE-COAT PLASTER MATERIALS
- A. Base-Coat Plasters, General: ASTM C 28/C 28M.
 - B. Gypsum Ready-Mixed Plaster: With mill-mixed perlite aggregate.
 - C. Gypsum Neat Plaster: For use with job-mixed aggregates.
 - D. High-Strength Gypsum Neat Plaster: With a minimum, average, dry compressive strength of 2800 psi (19 MPa) per ASTM C 472 for a mix of 100 lb of plaster and 2 cu. ft. of sand.
 - E. Aggregates for Base-Coat Plasters: ASTM C 35.
- 3.6 FINISH-COAT PLASTER MATERIALS
- A. Gypsum Gauging Plaster: ASTM C 28/C 28M.
 - B. Gypsum Ready-Mixed Finish Plaster: Manufacturer's standard, mill-mixed, gauged, interior finish.
 - C. High-Strength Gypsum Gauging Plaster: ASTM C 28/C 28M, with a minimum, average, dry compressive strength of 5000 psi (34 MPa) per ASTM C 472 for a neat mix.
 - D. Lime: ASTM C 206, hydrated finishing type. Type S or Type N as specified.
 - E. Aggregates for Float Finishes: ASTM C 35; graded per ASTM C 842.
- 3.7 PLASTER MIXES
- A. Plaster Mixes, General: Comply with ASTM C 842 and manufacturer's written instructions for applications indicated.
 - B. Base-Coat Mixes over Expanded-Metal Lath: High-strength gypsum plaster with job-mixed sand for scratch and brown coats of three-coat plasterwork.
 - C. Base-Coat Mix over Unit Masonry: Gypsum neat plaster with job-mixed sand or ready-mixed plaster, for single base coats of two-coat plasterwork.
 - D. Finish-Coat Mix for Smooth-Troweled Finishes: Gypsum ready-mixed finish plaster or 1 part high-strength gypsum gauging plaster to 1 part lime.
 - E. Finish-Coat Mix for Float Finishes: 1 part gypsum gauging plaster, 2 parts lime, and 6 parts sand.
 - F. Finish-Coat Mix for Sprayed Finishes: Gypsum ready-mixed finish plaster.

- G. Finish-Coat Mix for Textured Finishes: Gypsum ready-mixed finish plaster.

3.8 PATCHING AND REPAIRING OF EXISTING GYPSUM PLASTER

- A. Patching and Repairing of Existing Gypsum Plaster: Refer to general requirements specified in Section 01 73 29 - Cutting and Patching and Section 02 41 00 - Demolition.
 - 1. Cut, patch, replace, and repair plaster as necessary to accommodate other Work and to restore cracks, dents, and imperfections.
 - 2. Repair or replace plaster to eliminate blisters, buckles, crazing and check cracking, dry outs, efflorescence, sweat outs, and similar defects and where bond to substrate has failed.
 - 3. Remove all loose plaster.
 - 4. Install new paper backing and separate metal lath.

END OF SECTION

09 24 00 – PORTLAND CEMENT PLASTERING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES:

- A. Metal lath and accessories.
- B. Stucco finishes.
- C. Soffit suspension system

1.3 SUBMITTALS

- A. Product Data for each product specified.
- B. Samples for initial selection in the form of manufacturer's color charts consisting of actual units or sections of units at least 12 inches square showing the full range of colors, textures, and patterns available for each type of finish indicated.
- C. Samples for verification in units at least 12 inches square of each type of finish; in sets for each color, texture, and pattern specified, showing the full range of variations expected in these characteristics.
- D. Material Certificates: Submit certificate signed by manufacturer for each kind of plaster aggregate certifying that materials comply with requirements.

1.4 QUALITY ASSURANCE

- A. Fire-Test-Response Characteristics: Where fire-resistance-rated portland cement plaster assemblies are used, provide materials and construction identical to those of assemblies tested for fire resistance per ASTM E 119 by an independent testing and inspecting agency acceptable to authorities having jurisdiction.

1.5 REGULATORY REQUIREMENTS

- A. Comply with requirements of CBC Chapter 25.

1.6 PROJECT CONDITIONS

- A. Environmental Requirements, General: Comply with requirements of referenced plaster application standards and recommendations of plaster manufacturer for environmental conditions before, during, and after plaster application.
- B. Cold-Weather Requirements: Provide heat and protection, temporary or permanent, as required to protect each coat of plaster from freezing for at least 24 hours after application. Distribute heat uniformly to prevent concentration of heat on plaster near heat sources; provide deflection or protective screens.

- C. Warm-Weather Requirements: Protect plaster against uneven and excessive evaporation and from strong flows of dry air, both natural and artificial. Apply and cure plaster as required by climatic and job conditions to prevent dry out during cure period. Provide suitable coverings, moist curing, barriers to deflect sunlight and wind, or combinations of these, as required.
- D. Exterior Plaster Work: Do not apply plaster when ambient temperature is below 40 deg F.
- E. Protect contiguous work from soiling and moisture deterioration caused by plastering. Provide temporary covering and other provisions necessary to minimize harmful spattering of plaster on other work.

PART 2 - PRODUCTS

2.1 LATH

- A. Expanded-Metal Lath: Comply with ASTM C 847 for material, type, configuration, and other characteristics indicated below.
 - 1. Diamond-Mesh Lath: Comply with the following requirements:
 - a. Configuration: Flat.
 - 1) Weight: 3.4 lb/sq. yd.
 - b. Configuration: Self-furring.
 - 1) Weight: 3.4 lb/sq. yd.
- B. Woven-Wire Lath: ASTM C 1032, fabricated into 1-1/2-inch hexagonal-shaped mesh with minimum 0.0510-inch- diameter, galvanized steel wire.
- C. Paper Backing: Where paper-backed lath is indicated, provide the following material factory bonded to back of lath. Comply with FS UU-B-790, Type I, grade and style as indicated below:
 - 1. Vapor-Retardant Paper: Grade B, Style 1 with flame-spread rating of 25 per ASTM E 84.

2.2 ACCESSORIES

- A. General: Comply with material provisions of ASTM C 1063 and the requirements indicated below; coordinate depth of accessories with thicknesses and number of plaster coats required.
 - 1. Aluminum Components: Alloy, temper, and finish recommended by manufacturer with not less than the strength and durability properties of aluminum extrusions complying with ASTM B 221 for alloy and temper 6063-T5.
 - 2. Galvanized Steel Components: Fabricated from zinc-coated (galvanized) steel sheet complying with ASTM A 653, G40 minimum coating designation.
 - 3. Zinc-Alloy Components: ASTM B 69, 99 percent pure zinc.
- B. Metal Corner Reinforcement: Expanded, large-mesh, diamond-metal lath fabricated from zinc-alloy or welded-wire mesh fabricated from 0.0475-inch- diameter, zinc-coated

(galvanized) wire and specially formed to reinforce external corners of portland cement plaster on exterior exposures while allowing full plaster encasement.

- C. Cornerbeads: Small nose cornerbeads fabricated from the following metal, with expanded flanges of large-mesh diamond-metal lath allowing full plaster encasement.
 - 1. Zinc Alloy: Minimum 0.0207-inch thick.
 - 2. Galvanized Steel: Minimum 0.0172-inch thick.
 - 3. Material: Any material above.
- D. Casing Beads: Square-edged style, with expanded flanges of the following material:
 - 1. Zinc Alloy: Minimum 0.0207-inch thick.
 - 2. Galvanized Steel: Minimum 0.0172-inch thick.
 - 3. Material: Any material above.
- E. Control Joints: Prefabricated, of material and type indicated below:
 - 1. Zinc Alloy: Minimum 0.0207-inch thick.
 - 2. Galvanized Steel: Minimum 0.0172-inch thick.
 - 3. Material: Any material above.
 - 4. One-Piece Type: Folded pair of nonperforated screeds in M-shaped configuration, with expanded or perforated flanges.
 - a. Provide removable protective tape on plaster face of control joints.
- F. Foundation Sill (Weep) Screed: Manufacturer's standard profile designed for use at sill plate line to form plaster stop and prevent plaster from contacting damp earth, fabricated from zinc-coated (galvanized) steel sheet.
- G. Lath Attachment Devices: Material and type required by ASTM C 1063 for installations indicated.

2.3 PLASTER MATERIALS

- A. Base-Coat Cements: Type as indicated below:
 - 1. Portland cement, ASTM C 150, Type I.
- B. Stucco Finish Coat: Manufacturer's standard factory-packaged stucco, including portland cement, aggregate, coloring agent, and other proprietary ingredients.
- C. Sand Aggregate for Base Coats: ASTM C 897.

2.4 MISCELLANEOUS MATERIALS

- A. Fiber for Base Coat: Alkaline-resistant glass or polypropylene fibers, 1/2-inch long, free of contaminants, manufactured for use in portland cement plaster.
- B. Water for Mixing and Finishing Plaster: Potable.
- C. Bonding Agent: ASTM C 932.
- D. Steel drill screws complying with ASTM C 1002 for fastening metal lath to wood.

2.5 PLASTER MIXES AND COMPOSITIONS

- A. General: Comply with ASTM C 926 for base- and finish-coat mixes as applicable to plaster bases, materials, and other requirements indicated.
- B. Base-Coat Mixes and Compositions: Proportion materials for respective base coats in parts by volume per sum of cementitious materials for aggregates to comply with the following requirements for each method of application and plaster base indicated. Adjust mix proportions below within limits specified to attain workability.
- C. Fiber Content: Add fiber to mixes after ingredients have mixed at least 2 minutes. Comply with fiber manufacturer's written instructions but do not exceed 1 lb/cu. ft. of cementitious materials. Reduce aggregate quantities accordingly to maintain workability.
- D. Three-Coat Work over Metal Lath: Base-coat proportions as indicated below:
 - 1. Scratch Coat: 1 part portland cement, 0 to 3/4 parts lime, 2-1/2 to 4 parts aggregate.
 - 2. Brown Coat: 1 part portland cement, 0 to 3/4 parts lime, 3 to 5 parts aggregate.
- E. Two-Coat Work over Concrete Unit Masonry: Base-coat proportions as indicated below:
 - 1. Base Coat: 1 part portland cement, 3/4 to 1-1/2 parts lime, 3 to 4 parts aggregate.
- F. Stucco Finish Coat: Add water only; comply with stucco manufacturer's written instructions.

2.6 MIXING

- A. Mechanically mix cementitious and aggregate materials for plasters to comply with applicable referenced application standard and with recommendations of plaster manufacturer.

PART 3 - EXECUTION - NOT USED

END OF SECTION

09 29 00 – GYPSUM BOARD

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES:

- A. Gypsum board applied by nailing or screwing to framing and furring.
- B. Drywall trim, fasteners and accessories.
- C. Taping and finishing.
- D. Drywall acoustical sealants.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Gypsum Board
 - 1. Specified Manufacturer: United States Gypsum Company (USG), Chicago, IL (312/606-4000; local representative, Glendale, CA 818/956-1882 or 800/964-4874).
 - 2. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
- B. Acoustical Sealants
 - 1. Specified Manufacturers:
 - a. United States Gypsum Company (USG), Chicago, IL (312/606-4000; local representative, Glendale, CA 818/956-1882 or 800/964-4874).
 - b. Inmont Corp.
 - c. Harry A. Lowry & Associates, Inc., Sun Valley, CA (818/768-4661, 213/875-0223 or 800/225/8231)
 - 2. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.

PART 3 - EXECUTION

3.1 GYPSUM BOARD

- A. Gypsum Board Materials, General: Gypsum board, joint treatment and finishing materials shall be manufactured from asbestos-free materials.

- B. Typical Gypsum Board: ASTM C36, Type X (special fire-resistant), typically 48 inches wide and 5/8-inch thick, square cut ends, tapered sides.

3.2 ACCESSORIES

- A. Accessories, General: Provide accessories as recommended in reference standards and manufacturer's product data. Provide accessories as required for a complete installation and in conformance to fire resistance ratings, where indicated.
- B. Joint Treatment Materials, General: ASTM C475.
- C. Taping and Embedding Compounds: Specifically formulated and manufactured for use in embedded tape at gypsum board joints and completely compatible with tape and substrate.
- D. Finishing or Topping Compound: Specifically formulated and manufactured for use as a finishing compound.
- E. All Purpose Compound: Specifically formulated and manufactured to serve as both a taping and a finishing compound and compatible with tape and substrate.
- F. Joint Tape, Gypsum Board: Perforated cross laminated, tapered edge, reinforced paper, or special tape recommended by the manufacturer.
- G. Gypsum Board Primer/Sealer: USG Sheetrock First Coat, flat vinyl latex paint, to equalize surface absorption and texture variations, non-asbestos.
- H. Nails: ASTM C514, annular ring drywall nail, length in accordance with framing manufacturer's recommendations, ML/SFA specifications and as required for fire-resistive construction.
- I. Screws: ASTM C646, USG Durock Flat Wafer Headscrews, Type W, steel self-drilling screws for wood substrate, low profile head, length in accordance with manufacturer's recommendations and ML/SFA specifications.
- J. Adhesive: Adhesives containing benzene, carbon tetrachloride and trichloroethylene shall not be used. Provide adhesive for laminating multi-layer installations of type as recommended by the gypsum board manufacturer and approved for fire rated construction.
- K. Hat Section Furring Channels: 1-5/8-inch steel stud or 7/8-inch deep special furring shape, cold rolled light gauge steel, minimum 25 gauge, galvanized, with matching track as required.
- L. Furring Channel Clip: USG Metal Furring Channel Clip,
- M. Cornerbead: USG No. 800 or equal.
- N. Edge Trim: USG No. 200-B or equal.
- O. Casing Bead: USG No. 66, square edge, or equal
- P. Control Joint: USG No. 093 or equal.
- Q. Water: Clean, fresh, potable.
- R. Acoustical Sealants:
 - 1. For gypsum board to gypsum board and gypsum board to structure joints: USG Acoustical Sealant or equal, non-hardening sealant specifically for gypsum board joints.

2. For non-electrical penetrations of gypsum board at non-fire rated construction: Inmont Corp., PressTite No. 579.64.
3. For electrical power and signal penetrations of gypsum board at non-fire rated construction: Lowry Outlet Box Pads, polybutene-butyl sheet caulking for application to exterior back, top and sides of recessed panelboards and outlet boxes for electrical power, CATV, telephone, fire alarm and other signal systems, manufactured by Harry A. Lowry & Associates, Inc.
4. For penetrations at fire-rated construction, provide firestopping as specified in Section 07 84 00 - Firestopping.

END OF SECTION

09 28 13 – CEMENTITIOUS BACKING BOARDS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Tile backing board applied by screwing to framing and furring, to serve as substrate for thinset ceramic tile finish.
- B. Trim, fasteners and accessories.
- C. Taping and finishing.

PART 2 - PRODUCTS

2.1 PORTLAND CEMENT TILE BACKING BOARD

- A. Specified Manufacturer: United States Gypsum Co., Inc., Chicago, IL (800/874-4968).
- B. Acceptable Manufacturers: Equivalent products by National Gypsum Co., Charlotte, NC (704/365-7300 or 800/628-4662) will be acceptable in accordance with the "or equal" provision specified in Section 01 61 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 61 00 - Product Requirements.
- C. Portland Cement Tile Backing Board: DUROCK Cement Board by United States Gypsum Co. (USG), cementitious backing units complying with ANSI A118.9, 5/8-inch thick, with width and length to suit Work conditions and to minimize joints.
- D. Joint Tape for Cementitious Backer Units: Polymer-coated, open glass-fiber mesh.
- E. Joint Compound for Cementitious Backer Unit: Material recommended by cementitious backer unit manufacturer.
- F. Reinforcing Fabric: Balanced, alkali-resistant, open-weave glass fiber fabric, made from continuous multi-end strands, and complying with ASTM D578.
 - 1. Tensile strength: Not less than 120 lbs in warp and 140 lbs in fill directions, when tested according to ASTM D1682.
 - 2. Weight: Minimum 4.3 oz per square yard.
- G. Joint Tape: 2 inches wide, glass fiber mesh, Durock Interior Tape or equivalent.

2.2 GYPSUM-BASED TILE BACKING BOARD

- A. Specified Manufacturer: G-P Gypsum Corporation, Subsidiary of Georgia-Pacific Corporation (Eastern USA 800/947-4497 or Western USA 800/824-7503).

- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
- C. Gypsum-Based Tile Backing Board: G-P Dens-Shield® Tile Backer, for use as tile backer board where ceramic tile finish is indicated, composed of silicone-treated gypsum core conforming to ASTM C1178, with glass mat water-resistant coating and embedded glass mats, both sides.
 - 1. Face finish: Face side shall be surfaced with heat-cured copolymer water- and vapor-retardant coating.
 - 2. Non-rated conditions: Provide 1/2-inch thick G-P Dens-Shield□.
 - 3. Fire-rated conditions: Provide 5/8-inch thick G-P Dens-Shield□ Fireguard□, Type X, complying with ASTM E119.
 - 4. Board size: Provide maximum feasible widths and lengths to minimize joints, with ends cut square and tapered edges.

2.3 ACCESSORIES

- A. Accessories, General: Provide accessories as recommended in reference standards and manufacturer's product data. Provide accessories as required for a complete installation and in conformance to fire resistance ratings, where indicated.
- B. Trim: As recommended by backing board manufacturer and as indicated on the Drawings, formed sheet steel, zinc coated (galvanized) by hot dip process.
 - 1. Cornerbead: USG No. 800 or equal.
 - 2. Edge Trim: USG No. 200-B or equal.
 - 3. Casing Bead: USG No. 66, square edge, or equal
- C. Nails: 11 ga nails with 7/16-inch head, hot dip galvanized.
- D. Screws: ASTM C646, Type W for wood substrate and Type S for steel substrate, self-drilling Hi-Lo bugle head, length in accordance with manufacturer's recommendations.
- E. Joint Tape: 2 inches wide, 10 by 10 glass fiber mesh, G-P Dens-Shield or equivalent.
- F. Reinforcing Fabric: Balanced, alkali-resistant, open-weave glass fiber fabric, made from continuous multi-end strands, and complying with ASTM D578.
 - 1. Tensile strength: Not less than 120 lbs in warp and 140 lbs in fill directions, when tested according to ASTM D1682.
 - 2. Weight: Minimum 4.3 oz per square yard.
- G. Taping and Embedding Compound for Tile Backing Board: Proprietary, factory-packaged material specifically formulated for spray application, chemical-hardening compound, USG Sheetrock Lightweight Setting-Type (Easy Sand), or equal.
- H. Setting-Type Joint Compound: For un-tiled and un-wet locations, G-P Speed Set®.
- I. Tile Setting Materials: As specified in Section 09 30 00 – Tiling.
- J. Adhesive: For laminating multi-layer installations, type as recommended by tile backing board manufacturer and approved for fire rated construction. Adhesives containing benzene, carbon tetrachloride and trichloroethylene shall not be used.

- K. Waterproof Membrane Under Tile Backer Board: For installations at shower.
 - 1. Specified manufacturer: Permalon Division, Reef Industries, Inc., Houston, TX (800/231-2417).
 - 2. Acceptable manufacturers: None identified. Equivalent products of other manufacturers will be considered under the "or equal" provisions specified in Section 01610 - Basic Product Requirements.
 - 3. Reinforced polyethylene sheet membrane: Black high-density polyethylene, cross-laminated, approximately 6.4 mils thick, Permalon X-100. Unreinforced polyethylene will not be accepted.
- L. Water: Clean, fresh, potable.
- M. Acoustical Sealants: As specified in Section 09 29 00 - Gypsum Board.

PART 3 - EXECUTION - NOT USED

END OF SECTION

09 30 00 – TILING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Unglazed ceramic mosaic tile for installation on interior floors.
- B. Porcelain tile for installation on floors and walls.
- C. Glazed ceramic tile, for walls.
- D. Marble thresholds.
- E. Anti-fracture and waterproof membranes under thinset floor tile.
- F. Setting mortar and grout.

PART 2 - PRODUCTS

2.1 UNGLAZED CERAMIC MOSAIC TILE

- A. Specified Manufacturer: As indicated in the FINISH SCHEDULE on the Drawings.
- B. Acceptable Manufacturers: Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
- C. Unglazed Ceramic Mosaic Floor Tile: TCA 137.1, cushion edge, products as indicated in the FINISH SCHEDULE on the Drawings.
 - 1. Slip-resistant surface: Provide embedded abrasive grain at floor tile, for minimum static coefficients of friction of 0.6, when tested according to ASTM C 1028.
 - 2. Size(s): As indicated on the Drawings.
 - 3. Color(s) and pattern(s): As indicated on the Drawings. If not indicated, color(s) and pattern(s) shall be as selected by Architect. Allow for Group B colors and patterns.
- D. Mosaic Tile Trim: Provide manufacturer's standard trim shapes.
 - 1. Provide base with outside and inside corner pieces and other shapes as indicated and required for a complete installation.
 - 2. Except as may be shown otherwise on Drawings, provide color and finish matching field tile.
 - 3. All outside corners shall have cover pieces.
 - 4. Provide bullnose edge on all wainscot tile.

2.2 UNGLAZED PORCELAIN TILE

- A. Specified Manufacturer: As indicated on FINISH SCHEDULE on Drawings.
- B. Acceptable Manufacturers: Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
- C. Unglazed Porcelain Tile: Manufacturer, series, size and color(s) as indicated on the Drawings, conforming to ANSI A137.1. Coefficient of friction for floor tiles shall be 0.6 minimum when tested according to ASTM C 1028.
- D. Trim and Shapes: Provide manufacturer's standard trim shapes, matching field tile.
 - 1. Provide matching porcelain tile base units, 8 inches high.

2.3 GLAZED CERAMIC TILE

- A. Specified Manufacturer: As indicated on FINISH SCHEDULE in the Drawings.
- B. Acceptable Manufacturers: Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
- C. Glazed Wall Tile: TCA 137.1, cushion edge, self-aligning, smooth surface.
 - 1. Size: As indicated unless otherwise indicated.
 - 2. Colors: As indicated or, if not indicated, as selected by Architect.
 - 3. Finish: Bright or matte glaze, as indicated or, if not indicated, as selected by Architect.
 - 4. Trim: Provide matching bullnose base and edges as needed for complete and unified installation.
 - 5. Trim Sizes: As directed.
 - 6. Base: Bullnose top at other than ceramic tile wall finishes, and straight top at ceramic tile walls.
 - 7. Wainscot Trim: Bullnose top and edges.

2.4 ACCESSORY MATERIALS

- A. Cementitious Underlayment: As specified in Section 03 54 13 - Gypsum Cement Underlayment.
- B. Dividing Strips and Trim: Schluter Systems, Inc., Plattsburgh, NY (800/361-4086) or equivalent product of another manufacturer in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Provide materials, types, sizes and finishes as indicated on Drawings, or if not indicated, as recommended by manufacturer for edges, corners and transitions.
- C. Marble Thresholds: Georgia Marble Company, Vermont Marble Company, or equal, ASTM C503, Group A, tight-grained, sound white marble with little or no veining, beveled edges, fine sand rubbed finish, size and shape as indicated on Drawings. If not indicated, then 2 inches by width of door jamb by 3/4-inch thick, length to suit door opening.
- D. Water: Clear, fresh, potable and free of mineral or organic matter which can affect underlayment, priming and patching products.

2.5 CRACK ISOLATION AND WATERPROOF MEMBRANES

- A. Specified Manufacturer: TEC Specialty Products, Inc., an H.B. Fuller company, Palatine, IL (847/358-9500 or 800/323-7407).
- B. Acceptable Manufacturers: Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
- C. Crack Isolation Membrane: TEC Crack Isolation Membrane (TA-329), two-component, acrylic modified cementitious system designed to bridge substrate cracks up to 1/8-inch prior to installation of ceramic tile.
- D. Waterproofing Membrane: TEC Triple Flex Waterproofing, Crack Isolation & Flexible Bonding Mortar (TA-324), elastomeric membrane for complete waterproofing and crack isolation and for tile setting.
- E. Floor Slab Priming and Patching Products: As recommended by manufacturer and compatible with crack isolation membrane.

2.6 TILE SETTING MORTAR

- A. Specified Manufacturer: TEC Specialty Products, Inc., an H.B. Fuller company, Palatine, IL (847/358-9500 or 800/323-7407).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Custom Building Products, Seal Beach, CA (310/598-8808; 800/282-8786).
 - 2. Bostik Construction Products, Middleton, MA, (800/726-7845).
 - 3. Laticrete International, Inc., Bethany, CT (800/243-4788).
- C. Tile Setting Mortars:
 - 1. Wall tile setting mortar: TEC Full Flex Thin Set Mortar (TA-390) latex-modified portland cement mortar plus TEC Xtraflex (TA-872) acrylic mortar additive.
 - 2. Ceramic mosaic floor tile setting mortar at crack isolation membrane: TEC Full Flex Thin Set Mortar (TA-390) plus TEC Xtraflex (TA-872) acrylic mortar additive.
 - 3. Ceramic mosaic floor tile setting mortar at waterproof membrane: TEC Full Flex Thin Set Mortar (TA-390) plus TEC Xtraflex (TA-872) acrylic mortar additive.
 - 4. Porcelain Tile Setting Mortar: TEC Medium Bed Mortar plus TEC Full Bond acrylic latex additive for additional bond and resilience, suitable for medium bed installations as thin as 1/8-inch and as thick as 3/4-inch.

2.7 TILE GROUT

- A. Specified Manufacturer: TEC Specialty Products, Inc., an H.B. Fuller company, Palatine, IL (847/358-9500 or 800/323-7407).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 -

Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.

1. Custom Building Products, Seal Beach, CA (310/598-8808; 800/282-8786).
2. Bostik Construction Products, Middleton, MA, (800/726-7845).
3. Laticrete International, Inc., Bethany, CT (800/243-4788).

- C. Wall Tile Grout: TEC AccuColor (TA-620) unsanded, polymer-enhanced grout, complying with ANSI/TCA A118.4, commercially prepared mixture, integral color as indicated on the Drawings or, if not indicated, as selected by Architect. Allow for custom color.
- D. Floor Tile Grout: TEC AccuColor (TA-650) sanded, polymer-enhanced grout, complying with ANSI/TCA A118.6, commercially prepared mixture, integral color as indicated on the Drawings or, if not indicated, as selected by Architect. Allow for custom color.

2.8 JOINT SEALERS

- A. Wall and Fixture Joint Sealant: Mildew-resistant silicone sealant, white or clear as selected by Architect, as specified in Section 07 90 00 - Joint Protection.
- B. Floor Expansion Joint Sealant, Non-Traffic Areas: Single-component, non-sag, as specified in Section 07 90 00 - Joint Protection.
- C. Floor Expansion Joint Sealant, Traffic Areas: Two-component, Shore A hardness greater than 35, as specified in Section 07 90 00 - Joint Protection.

PART 3 - EXECUTION - NOT USED

END OF SECTION

09 51 00 – ACOUSTICAL CEILINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Suspended exposed t-bar metal ceiling grid systems.
- B. Mineral fiber acoustical lay-in panels.

PART 2 - PRODUCTS

2.1 SUSPENSION SYSTEM

- A. Specified Manufacturer: Chicago Metallic Corporation, Chicago, IL (708/563-4600 or 800/323-7164).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. USG Interiors, Ceiling Suspension Division (Donn), Chicago, IL (800/950-3839); DX Series with DX26 main tees and DX416 cross tees.
 - 2. Armstrong World Industries, Inc. (local distributor, Acoustical Material Services, Anaheim, CA, 714/937-8980); Prelude ML System, with 7301 main tees and 7333 and 7343 cross tees.
- C. Suspension System: Chicago Metallic Snap Grid System, with 200 main tees and 204 cross tees, exposed T-bar, electro-galvanized steel, 15/16-inch face, double web, non-rated, direct hung, heavy duty classification, suitable for specified acoustical panels.
- D. Finish, Exposed Surfaces: Factory-finished, standard low gloss white.
- E. Runners: 15/16-inch exposed bottom flange, 1-1/2-inch high web, metal thickness to suit duty classification of system.
- F. Wall Channel: 3/4-inch flange, hemmed edge, 0.020-inch metal.
- G. Braces and Supports: Galvanized steel, size and type to suit application, to rigidly support and secure acoustic ceiling system including support of integral mechanical and electrical components with maximum deflection of 1/360 and to seismically brace ceiling in accordance with applicable Code requirements.
 - 1. Hanger Rods: Mild steel, zinc coated, or protected with rust-inhibitive paint.
 - 2. Flat Hangers: Mild steel, zinc coated, or protected with rust-inhibitive paint.

3. Angle Hangers: Angles with legs not less than 7/8-inch wide, formed with 0.0365-inch-thick galvanized steel sheet complying with ASTM A446, Coating Designation G90, with bolted connections and 5/16-inch-diameter bolts.

- H. Hangers Wires: ASTM A641, soft temper, pre-stretched, Class 1 coating, sized so that stress at 3-times hanger design load (ASTM C635, Table 1, Direct Hung), will be less than yield stress of wire, but provide not less than 12 gauge (0.1055-inch diameter).

2.2 WET-FORMED MINERAL FIBER ACOUSTICAL CEILING PANELS

- A. Specified Manufacturer: Armstrong World Industries, Inc. (717/397-0611 or 800/448-1405).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable. Equivalent products of other manufacturers will be acceptable in accordance with the "or equal" provision of the Contract.
 1. Celotex Building Products, Tampa, FL (813/873-1700).
 2. USG Interiors, Inc., Chicago, IL (800/950-3839).
- C. Acoustical Ceiling Panels, General: Lay-in, mineral fiber panels for exposed-T suspension system, Fed Spec SS-S118B, Type III, Class A.
- D. Wet-Formed Mineral Fiber Acoustical Ceiling Panels:
 1. Product: Armstrong Fine Fissured Second Look II, catalog no. 1729A.
 2. Material: Wet-formed mineral fiber, painted face.
 3. Nominal Sizes: 24 x 48 inches, 3/4-inch thick.
 4. Face Pattern: Fine non-directional fissured texture with single score to simulate 24 x 24-inch panels.
 5. Edges: Angled Tegular, for 15/16-inch exposed grid tee.
 6. NRC: 0.55.
 7. CAC: 35, minimum.
 8. Surface Burning Characteristics: ASTM E1264, Class A and Flame Spread 25 or under, UL listed and labeled.
 9. Finish: Manufacturer's standard White, factory-applied paint.

2.3 POLYESTER FILM-FACED CEILING PANELS

- A. Specified Manufacturer: Armstrong World Industries, Inc., Lancaster, PA (717/397-0611 or 800/448-1405).
- B. Acceptable Manufacturers: Equivalent products by USG Interiors, Inc., Chicago, IL (800/950-3839) will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.

- C. Polyester Film-Faced Ceiling Panels: Non-perforated mineral fiber board with factory-applied vinyl film, Armstrong VL Fire Guard, size as indicated on the Drawings.
1. Product: Armstrong VL Fire Guard.
 2. Material: Wet-formed mineral fiber panel with factory-applied vinyl film.
 3. Nominal Size: As indicated on the Drawings.
 4. Face Pattern: Non-perforated stipple finish vinyl film. Provide field (edge adhered film) and border (fully adhered film) units to suit Project conditions.
 5. Edges: Square-cut.
 6. NRC: 0.10.
 7. Color: Manufacturer's standard white.
 8. Sanitary Rating: USDA accepted for use in food service areas and complying with public health regulations of authorities having jurisdiction for restaurant use.
 9. Surface Burning Characteristics: ASTM E1264, Class A and Flame Spread 25 or under, UL listed and labeled.

PART 3 - EXECUTION - NOT USED

END OF SECTION

09 64 53 - RESILIENT WOOD FLOORING ASSEMBLIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.
- B. Section 07 26 33 Vapor Emission Reduction System

1.2 SECTION INCLUDES

- A. Hardwood strip flooring system for Dance Practice Rooms, consisting of hardwood flooring secured to resilient sleeper/subfloor assembly.
- B. Hardwood strip flooring system for Gymnasiums, consisting of hardwood flooring secured to double plywood panel subfloor mounted on resilient cushions.
- C. Tempered hardboard flooring system for Stages, consisting of tempered hardboard panels secured to double plywood panel subfloor secured to wood sleepers on resilient cushions.
- D. Vapor retarder and installation accessories.
- E. Field finishing with colored court markings, school, district and athletic division logos.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Show installation details including location and layout of each type of wood, athletic-flooring assembly and accessory. Include the following:
 - 1. Expansion provisions and trim details
 - 2. Layout, colors, widths and dimensions of game lines, markers and logos.
 - 3. Locations of athletic equipment floor anchors.
- C. Samples:
 - 1. Manufacturers color charts showing colors and glosses available for floor finish, lines, markers and logos.

1.4 QUALITY ASSURANCE:

- A. Installer Qualifications: At least 5 years of documented experience for completed wood athletic flooring similar in material, design and extent to that indicated for this Project. Completed projects must have a record of successful in-service performance.
- B. Installer's responsibilities: Installation of flooring assembly, including but not limited to the following:
 - 1. Vapor retarder.
 - 2. Sleepers.

3. Wood Finish Flooring.
4. Game lines and markers.
5. Logos.
6. Finish.
7. Accessories.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver wood flooring materials in unopened cartons or bundles.
- B. Protect wood flooring from exposure to moisture. Do not deliver wood flooring until after concrete, masonry, plaster, ceramic tile, and similar wet work is complete and dry.
- C. Store wood flooring materials in a dry, warm, well-ventilated, weathertight location.
- D. Move wood flooring into spaces where it will be installed at least seven days before installation.

1.6 PROJECT CONDITIONS

- A. Conditioning: Maintain relative humidity conditions planned for building occupants, but not greater or less than the relative humidity range recommended by MFMA, and an ambient temperature between 55 and 75 degrees F in spaces to receive wood flooring for at least seven days before installation, during installation, and for at least seven days after installation. After post-installation period, maintain relative humidity conditions and ambient temperature planned for building occupants.
 1. Open sealed packages to allow wood flooring to acclimatize.
 2. Do not install flooring until it adjusts to the relative humidity of and is at the same temperature as the space where it is to be installed.
 3. Close spaces to traffic during flooring installation and for the time period after installation recommended in writing by flooring and finish manufacturer, but not less than 10 days.

1.7 MAPLE FLOORING

- A. Shall comply with the Maple Flooring Manufacturers Association, Inc. (MFMA) recommendations.

PART 2 - PRODUCTS

2.1 HARDWOOD STRIP FLOORING SYSTEMS

- A. Specified Manufacturer: Robbins Sports Surfaces, Cincinnati, OH (513/871-8988 or 800/543-1913)
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in

accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.

1. Action Floor Systems, Inc., LLC, Mercer, WI (715/476-3512 or 800/746-3512).
 2. Junckers Hardwood, Inc., Anaheim, CA (714/777-6430).
- C. Hardwood Strip Flooring System for Dance Practice Room Floor: Robbins Air Channel Star XL, sleeper/subfloor system, resiliency complying with DIN 18032 Part 2.
1. Vapor retarder: As specified below.
 2. Sleepers: Factory fabricated plywood strips, including stop blocks.
 3. Resilient pads: As manufactured by flooring manufacturer to achieve floor resiliency suitable for aerobics and dance use, according to DIN 18032, Part 2.
 4. Sheathing: 15/32" load-distribution plywood produced by flooring manufacturer.
 5. Flooring: Robbins 25/32" x 2-1/4": Traditional grade Continuous Strip XL Maple.
 6. Perimeter Base: 3" x 4" vented black or brown rubber, as selected by Architect.
- D. Hardwood Strip Flooring System for Gymnasium Floor: Robbins Air-Channel® Classic wood strip flooring secured to plywood panel subfloor mounted on resilient cushions.
1. Vapor retarder: As specified below.
 2. Resilient pads: 3/8-inch thick, as manufactured by flooring manufacturer with resiliency suitable for basketball use.
 3. Sheathing: 15/16" APA rated plywood sheathing, Exposure I.
 4. Flooring: 25/32" x 2-1/4" Second and Better grade, T&G and EM, KD Northern hard maple flooring, graded according to HFMA standards.
 - a. Provide random lengths not less than 48" and not more than 72".
 - b. Third grade may be used under bleachers.
 - c. Flooring shall be factory treated with wood preservative.
 5. Perimeter base: 3" x 4" vented black or brown rubber, as selected by Architect.
 6. Thresholds: 8" wide ribbed aluminum, for transition from other flooring to wood.
 7. Perimeter base: 3" x 4" vented black or brown rubber, as selected by Architect.
- E. Wood Transitions and Miscellaneous Trim: Hardwood, fabricated in accordance with requirements specified in Section 06 20 00 - Finish Carpentry, with profiles as indicated on the Drawings and features as recommended by flooring manufacturer.
- F. Outlet Box Covers: Stainless steel hinged covers with finger/cable holes to provide smooth surface over outlet boxes.
- G. Fasteners: Type and size as recommended by flooring manufacturer, but not less than those recommended by MFMA for application indicated.
- H. Field-Applied Finishes:
1. Epoxy: Clear, epoxy based coating suitable for heavy-use (gymnasium floor) application. Coating shall be high-build, non-yellowing floor finish with high solids content and viscosity that can produce a high gloss with multiple coats and is capable of withstanding street shoe traffic without marring.

2. Specified Manufacturer: Icon by Hillyard, St. Joseph, MO (800-365-1555).
3. Acceptable Manufacturers: Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
4. Markings paint: High-gloss enamel compatible with finish and recommended by finish and paint manufacturers for this purpose.

2.2 HARDBOARD PANEL FLOORING SYSTEMS

- A. Hardboard Panel Flooring System for Stage: Custom assembly of wood sleepers mounted on resilient cushions, double plywood panel subfloor and tempered hardboard wearing surface.
 1. Vapor retarder: As specified below.
 2. Sleepers: As specified above for Dance Practice Room floor, factory fabricated plywood strips, including stop blocks.
 3. Resilient pads: As specified above for Dance Practice Room floor, manufactured to achieve floor resiliency suitable for aerobics and dance use, according to DIN 18032, Part 2.
 4. Sheathing: Two layers 3/4" APA rated plywood sheathing, Exposure I.
 5. Tempered hardboard wearing surface: ANSI/AHA 135.4, interfelted lignocellulosic fibers consolidated under heat and pressure, tempered, smooth two sides, recommended by manufacturer for table and counter top use, nominal 1/4-inch thick (0.205-inch), Duron® Hardboard manufactured by Masonite Corporation.
 - a. Specified manufacturer: Masonite Corporation, Building and Industrial Products, Chicago, IL (312/750-0900 or 800/257-7885).
 - b. Acceptable manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1) ABTCO, Troy, MI (810/649-3300).
 - 2) Evanite Hardboard Corp., Corvallis, OR (503/753-1211).
 - 3) Louisiana Pacific Corp., Lake Oswego, OR (503/624-9004).
- B. Plywood Fasteners: As recommended by flooring system manufacturer.
- C. Hardboard Panel Fasteners: Flathead, countersunk wood screws.
- D. Applied Finish: Black color, acrylic floor coating as specified in Section 09 90 00 – Painting and Coating. Prime floor panels on both sides and all edges prior to installation to minimize possible moisture damage.

2.3 ACCESSORY MATERIALS

- A. Vapor Retarder: Black or white high-density polyethylene, cross-laminated, approximately 6.4 mils thick, Permalon X-100 by Permalon Division, Reef Industries, Inc., Houston, TX (800/231-2417), or equal. Unreinforced polyethylene will not be accepted. Equivalent

products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.

- B. Adhesive Tape for Vapor Retarder Sheet Joint Sealing: Griffolyn Fab Tape, black double-sided asphalt based pressure-sensitive tape, produced by Reef Industries, Inc., Houston, TX (800/231-6074). Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
- C. Adhesive Mastic: Spray-applied contact adhesive, compatible with sheet barrier and substrate materials, with excellent water-resistive qualities, Miracle Adhesives Corporation, Bellmore, NY (800/647-2253), Miracle 1330 Spray Adhesive, or equal. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
- D. Temporary Protective Covering: Non-staining reinforced kraft paper (polyethylene sheeting shall not be used), overlaid with plywood or particle board sheets at traffic areas.

PART 3 - EXECUTION -

3.1 EXAMINATION

- A. With installer present, examine substrates, areas and conditions for compliance with requirements, installation tolerances, and other conditions which may affect the performance of the wood flooring assembly. Proceed with installation only after unsatisfactory conditions have been corrected.
- B. Concrete Slabs: Verify that concrete slabs comply with the requirements specified in Section 03 30 00 Cast-in-Place Concrete.
 - 1. Grind high spots and fill low spots to provide a maximum 1/8-inch deviation in any direction when checked with a 10-foot straightedge.
 - 2. Determine dryness characteristics by performing moisture tests as required by Section 07 26 33 Vapor Emission Reduction System. Do not proceed with installation if moisture emission rate exceeds 3 lbs/1000 sq. ft. in a 24-hour period, or the floor manufacturer's recommendation which ever is less. Refer to Section 07 26 33 Vapor Emission Reduction System for slabs that exceed the moisture emission rate.

3.2 INSTALLATION

- A. General: Comply with the flooring assembly manufacturer's written instructions, but not less than the recommendations of MFMA applicable to the flooring type indicated.
- B. Pattern: Lay flooring parallel with the long dimension of the space to be floored, unless otherwise indicated.
- C. Expansion Spaces: Provide as indicated, but not less than that required by the manufacturer's written instructions and MFMA's written recommendations at walls and other obstructions, and at interruptions and terminations of flooring.
 - 1. Cover expansion spaces with base molding, trim, and/or saddles.
- D. Vapor Retarder: Install with joints lapped a minimum of 6 inches and sealed.
- E. Installation Tolerances: 1/8-inch in 10 feet variance from level.

3.3 FLOATING, WOOD SLEEPER SYSTEM

- A. Attach resilient pads to wood sleepers according to manufacturer's written instructions. Install sleepers perpendicular to direction of flooring without anchoring to substrate. Stagger end joints a minimum of 24 inches.
 - 1. Space sleepers 9 inches on center.
- B. Mechanically fasten wood, strip flooring perpendicular to sleepers.

3.4 SANDING AND FINISHING

- A. Allow installed flooring to acclimate to ambient conditions for at least 10 days before sanding.
- B. Machine sand with coarse, medium and fine grades of sandpaper to achieve a level, smooth uniform surface without ridges or cups. Remove sanding dust by tack or vacuum.
- C. Finish: Apply seal and finish coats of finish system according to manufacturer's written instructions. Provide not less than four coats total and not less than two finish coats.
 - 1. Lines and Markers: Apply game-line, marker paint and logos between final seal coat and first finish coat according to paint manufacturer's written instructions. Mask flooring to provide sharp edges. Where game lines cross, break minor game line at intersection; do not overlap lines. Provide contrasting white lines or markers if game lines occur on solid painted perimeter areas.

3.5 PROTECTION

- A. Protect wood flooring during remainder of construction period to allow finish to cure and ensure that flooring and finish are without damage or deterioration at time of Substantial Completion.

END OF SECTION

09 65 00 – RESILIENT FLOORING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Vinyl composition tile flooring.
- B. Inlaid sheet flooring.
- C. Resilient base and accessories for use at resilient flooring and other locations as indicated on Drawings.

PART 2 - PRODUCTS

2.1 VINYL COMPOSITION TILE (VCT):

- A. Specified Manufacturer: Armstrong World Industries, Inc., Lancaster, PA (717/397-0611) or 800/292-6308); Excelon, Supreme.
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements. Equivalent products shall be subject to evaluation based on appearance and consistency with overall color scheme of the Project.
 - 1. Mannington Mills, Inc., Salem, NJ (800/241-2262); Essentials, Designer Essentials and Inspirations series.
 - 2. Mondo S.p.A.: Artigo S.p.A., 17014 Cario Montenotte (SV), Loc. Carpeneto-Italy; "New" Harmoni (3mm)
- C. Vinyl Composition Tile (VCT), General: Homogeneous through thickness, ASTM F 1066, Class 2, Through Pattern, containing no asbestos with coefficient of friction of at least 0.6 when tested according to ASTM C 1028.
- D. Size: 12 inches square, 1/8-inch nominal thick.
- E. Colors and Patterns, General:
 - 1. Color and pattern of tile shall be uniformly distributed throughout the thickness of tile.
 - 2. Variations in shades and off-pattern matches between containers will not be acceptable.
- F. Color and Pattern: As indicated on the Drawings.

- G. Fire Performance: Comply with California Building Code (CBC) Section 802 and Table 8-A for Class II, Flame Spread Index 26-75 (ASTM E 648 - Critical Radiant Flux, 0.45 or more watts/cm²).
 - H. Adhesive for Vinyl-Composition Tile: Water-resistant type recommended by manufacturer to suit resilient products, their application to substrate indicated and intended use of room.
- 2.2 INLAID SHEET VINYL:
- A. Specified Manufacturer: Mannington Mills, Inc., Salem, NJ (800/241-2262); Magna series.
 - B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements. Equivalent products shall be subject to evaluation based on appearance and consistency with overall color scheme of the Project.
 - 1. Armstrong World Industries, Inc., Lancaster, PA (717/397-0611 or 800/292-6308); Connection CORLON series
 - C. Construction
 - 1. Inlaid Sheet Flooring Width 6'
 - 2. Wearlayer Thickness 0.055
 - 3. Overall Thickness 0.080
 - 4. Average Weight 5.9 lbs / yd²
 - 5. Roll (Min. – Max.) 30 - 68 sq. yds.
 - 6. Pattern Repeat Random Repeat, Reverse Sheet for Seaming Static Load Limit 500 psi.
 - D. Color and Pattern: As indicated on the Drawings.
 - E. Fire Performance: Comply with California Building Code (CBC) Section 802 and Table 8-A for Class II, Flame Spread Index 26-75 (ASTM E 648 - Critical Radiant Flux, 0.45 or more watts/cm²).
 - F. Adhesive: Water-resistant type specified by manufacturer to suit resilient products, their application to substrate indicated and intended use of room.
 - G. Installation Adhesive V-81 / Full Spread* Chemical Seam Sealer MCS-42 with VST-96 Applicator.
 - H. Kit Heat Weld Seaming Mannington Commercial Solid Color Weld Rod.
 - I. All inlaid sheet vinyl installed must self-coved.
- 2.3 RUBBER WALL BASE
- A. Specified Manufacturer: Roppe Rubber Corp., Fostoria, OH (800/537-9527).

- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Johnsonite, Division of Duramax, Inc., Middlefield, OH (800/637-4995).
 - 2. Burke Flooring Products, Div. of Burke Industries, San Jose, CA (408/297-3500; local office, Los Angeles, CA, 213/724-0330).
 - C. Rubber Wall Base: Fed Spec SS-W-40A, Type I, surface applied, smooth finish, solid colors, with molded inside and outside corners and end stops.
 - D. Size: Height as indicated on Drawings, typically 4 inches.
 - E. Cove Toe Rubber Base: For use at resilient flooring and hard surfaces throughout.
 - F. Square Toe Rubber Base: For use at carpet.
 - G. Flame Spread: California Building Code (CBC), Maximum Flame Spread Class II, ASTM E84, 26-75 Flame Spread Index.
 - H. Colors: As indicated on the Drawings or, if not indicated, as selected by Architect.
- 2.4 RESILIENT FLOORING ACCESSORIES
- A. Specified Manufacturer: Johnsonite, Division of Duramax, Inc., Chagrin Falls, OH (800/637-4995).
 - B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Roppe Rubber Corp., Fostoria, OH (800/537-9527).
 - C. Resilient Flooring Reducer: For resilient flooring to concrete transition, Johnsonite SSR-XX-B, solid vinyl, 1-5/8-inch wide.
 - D. Resilient Flooring/Carpet Transition: For carpet to resilient flooring transition, Johnsonite CTA-XX Series, type to suit carpet thickness.
 - E. Accessories Colors: As selected by Architect from manufacturer's full selection, to complement flooring.
- 2.5 ACCESSORY PRODUCTS
- A. Leveling and Patching Compounds: Latex type as recommended by flooring manufacturer.
 - B. Primer for Concrete Floor Surfaces: As recommended by flooring manufacturer.
 - C. Crack Filler for Floors: As recommended by flooring manufacturer.
 - D. Flooring Finish Products: Products identified below are by Butcher's (800/225-9475) and are identified for bidding purposes. Verify floor finish products with Owner, to coordinate with Owner's floor maintenance program.
 - 1. Stripper: Butcher's Time Buster, no-rinse stripper.

2. Sealer: Butcher's Iron Stone, acrylic copolymer resin based, 17 percent solids.
 3. Polish: Butcher's Above, 1 percent solids, low-maintenance, slip-resistant gloss finish. Polish shall result in acceptable slip-resistant finish when tested according to ASTM D2047 (James Machine) with minimum test value of 0.6.
- E. Additional Accessories: Provide standard products of the flooring manufacturer, as required for a complete installation coordinated with adjacent flooring products.

PART 3 - EXECUTION

3.1 CLEANING AND PROTECTION

- A. Installation Clean-Up: Upon completion of installation in a room or area, clean flooring and adjacent surfaces with a neutral type cleaner to remove surplus adhesive and marks, in accordance with flooring or accessory manufacturer's instructions and recommendations.
- B. Initial Cleaning: No sooner than 5 days after installation, wash all flooring with cleaning solution in accordance with manufacturer's instructions and recommendations. Rinse thoroughly with clear, cool water (do not flood floor).
- C. Preparation for Owner's Flooring Maintenance Program: Comply with Owner's instructions.
 1. Remove factory finish from resilient flooring, using no-rinse stripper.
 2. Apply two coats of sealer.
 3. Apply three coats of finish.
- D. Protection: Lay reinforced kraft paper runners and provide barricades and signs as necessary to prevent construction traffic on completed installations. Remove and replace defects which develop such as damaged or loose sheet flooring and base. See Drawings for additional protection information.
- E. Final Cleaning: Thoroughly clean floors and accessories as part of final cleaning.

END OF SECTION

09 65 66 – RESILIENT ATHLETIC FLOORING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Resilient Athletic Flooring

1.3 SUBMITTALS:

- A. General: Submit product data and samples.
- B. Shop Drawings: Submit manufacture and installation details for review.
- C. Closeout: Submit copy of the material and installation warranties as specified.

1.4 QUALITY ASSURANCE:

- A. Qualifications: Installer specializing in the work of this Section with minimum five years documented experience.
- B. The indoor resilient multipurpose surfacing supplier shall be an established firm experienced in the field and appointed as a distributor by the manufacturer of the indoor resilient multipurpose surfacing.

1.5 CERTIFICATION:

- A. Installer to submit the indoor resilient athletic surfacing manufacturers or distributors certification attesting that they are an approved installer of the indoor resilient multipurpose surfacing

1.6 QUALITY ASSURANCE

- A. Tests shall be relative for multi-purpose use with certificates from independent testing resources to be made available upon request. Test results shall be no more than 5 years old and performed according to ASTM and/or EN standard testing procedures.

PART 2 - PRODUCTS

- 2.1 Specified Manufacturer: Mondo Sport Impact rubber athletic flooring, manufactured by Mondo America Inc. S.p.A.: Artigo S.p.A., 17014 Cario Montenotte (SV), Loc. Carpeneto-Italy; Product: Sport Impact 10mm

- 2.2 Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements. Equivalent products shall be subject to evaluation based on appearance and consistency with overall color scheme of the Project.
- A. Tarkett Sports 2, rue de l'Égalité 92 Nanterre (France) Tel. : +33 (0) 1 41 20 40 40; Product: Dropdeck 10mm
- 2.3 MATERIALS
- A. Type: Sheet; thickness as shown; color selected by the Architect.
- B. Patching and Leveling Compounds: As recommended by manufacturer.
- C. Adhesive: Manufacturer's standard.

PART 3 - EXECUTION

- 3.1 EXAMINATION:
- A. Examination: Examine conditions of work in place before beginning work; report defects.
- B. Measurements: Take field measurements; report variance between plan and field dimensions.
- 3.2 PREPARATION OF SURFACES
- A. Sand the entire surface of the concrete slab.
- B. Sweep the concrete slab so as to remove all dirt and dust. If a sweeping compound is to be used it must be a sweeping compound that does not contain oil or other items that may inhibit the adhesive bond.
- C. Slab must be dust free. In the event that dust impairs adhesive bond, priming the slab prior to application of adhesive may be necessary. Follow installation guidelines.
- 3.3 MOISTURE MITIGATION
- A. For project exceeding moisture tolerances, seek professional certified moisture mitigation specialists to determine the best course of action for the remediation of the concrete slab. Silicate type systems shall not be used.
- 3.4 INSTALLATION
- A. Install in conformance with referenced standards, manufacturer's written directions.
- B. Lay parallel to long dimension of room per manufacturer's directions.
- C. Cutouts: Provide holes and necessary reinforcement for anchorage of standards and inserts as shown.

END OF SECTION

09 67 26 – QUARTZ FLOORING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Multi-color, seamless quartz aggregate polyester floor finish.

1.3 SUBMITTALS

- A. Submit Manufacturer's Application Instructions, standard color selections, test reports and samples for approval by the Architect or Owner's Representative.
- B. Colors: As selected by the Architect or Owner's Representative. After color selection, submit samples of the material specified for each color selected. Mark each sample clearly to indicate manufacturer's name and product identification

1.4 PRODUCT HANDLING

- A. Delivery and storage of materials: Deliver all materials in their original packages with seals unbroken, with manufacturer's name and product identification clearly legible on each package. Store to preclude entry of moisture or damage from any source.

1.5 ENVIRONMENTAL CONDITIONS

- A. Field Conditions: Verify actual field conditions. Inspect related work and adjacent surfaces. Report all conditions which prevent proper execution of this work to the Architect or Owner's Representative.
- B. Do not apply coatings in damp or rainy weather. Do not apply coating at temperatures below 40 degrees Fahrenheit or above 110 degrees Fahrenheit.
- C. Test on and below grade concrete slabs for moisture vapor transmission using the standard Calcium Chloride Test Procedure. Do not apply coating when moisture migration measures more the 3.0 lbs over a 1000 square foot area during a 24 hour time period.

1.6 WARRANTY

- A. Provide a two year written warranty against defects in materials and workmanship.
- B. Warrantee shall begin on date of completion of the project or occupancy, whichever occurs first.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Specified Manufacturer: Vitrocem Division of Bithell, Inc., Covina, CA (626/331-2292).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Arizona Polymer Flooring, Inc.
 - 2. Crossfield Products Corp.
 - 3. General Polymers Corp.
 - 4. Master Builders, Inc.
 - 5. Stonhard, Inc.
 - 6. TEC, Inc., an H.B. Fuller Co.

2.2 MATERIALS

- A. Seamless Quartz Aggregate Polyester Floor Coating System: Vitrocem Multi Colorquartz Polyester Floor Coating System as manufactured by Bithell, Inc., decorative-type floor surfacing system consisting of primer; topping including catalyst and ceramic color-coated quartz aggregate; and finish coat or coats; with coefficient of friction of at least 0.6 when tested according to ASTM C 1028. Provide only factory-packaged materials including aggregate for all components of floor surfacing system, including:
 - 1. Polyester floor coat.
 - 2. Quartzite granules.
 - 3. Preformed cove radius.
 - 4. Polyester top coat.
- B. Accessory Products: Trim, bonding and reinforcement materials as necessary and as recommended by flooring system manufacturer.
- C. Colors: As indicated on the Drawings, or if not otherwise indicated, as selected by Architect or Owner's Representative from manufacturer's standard colors.

2.3 SUPPLEMENTAL MATERIALS

- A. Joint Sealant: Type recommended or produced by manufacturer of polyester floor finish for type of service and joint condition indicated. Refer to Section 07 90 00 - Joint Protection for general requirements for products and installation.

PART 3 - EXECUTION

3.1 SURFACE PREPARATION

- A. Concrete preparation shall include one or both of the following methods:
 - 1. Mechanical: Use a scabblers, scarifier or shot blast machine for surface removal and etching.
 - 2. Chemical: Thoroughly scrub using manufacturer's special purpose detergent and acid etching to remove any laitance and open concrete pores.

3.2 MATERIAL PREPARATION

- A. Add catalyst just prior to use as recommended by the manufacturer. Atmospheric conditions affect the curing. Follow manufacturer's printed directions regarding catalyst concentrations at varying temperatures.

3.3 APPLICATION

- A. Apply coatings to surfaces in accordance with manufacturer's instructions.
- B. Apply cove base at joint between wall and floor.
- C. Apply the first coat of Vitrocem Polyester Primer by roller at an approximate rate of 100 square feet per gallon.
- D. While the first coat is still wet, broadcast decorative Color Quartz Aggregate in selected color to full coverage over the entire floor.
- E. After a proper cure time, sweep and vacuum excess aggregate from floor.
- F. Apply a base using a contrasting color 6" up the wall from the finish floor line.
- G. Apply a top coat of clear or pigmented Vitrocem Polyester floor coat.
- H. Allow a minimum 48-hour cure time before putting the floor in service for light use. Allow seven days for complete cure.

3.4 CLEANING

- A. As the work proceeds, and upon completion, promptly remove coating material where spilled, splashed or splattered.
- B. During progress of work, keep premises free from any unnecessary accumulation of tools, equipment, surplus materials and debris.
- C. Upon completion of work, leave premises neat and clean to the satisfaction of Architect/Engineer.

END OF SECTION

09 68 00 – CARPETING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Sheet (roll) carpet.
- B. Adhesives and accessories required for carpet installation.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Specified Manufacturer: Tandus.
- B. Acceptable Manufacturers: Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.

2.2 CARPET

- A. Sheet Carpet: Crayon C & A.
 - 1. Type: Powerbond
 - 2. Color: #01952 Blizzard Blue (district standard)
 - 3. Pile height: Maximum 1/2-inch, in compliance with CBC Section 1124B.3.
 - 4. Primary Backing: Non-woven synthetic fiber.
 - 5. Fiber system: Dynex Nylon.
 - 6. Construction Type: Level loop.
 - 7. Gauge: 1/13 Gauge
 - 8. Stitches per inch: 8.5
- B. Performance characteristics:
 - 1. Flammability: Passes Methenamine Pill Test (DOC-FF-1-70).
 - 2. Flame spread: Rated Class I on Flooring Radiant Panel Test (ASTM E 648, glue down method).
 - 3. Smoke developed: Rated less than 450 on NBS Smoke Density Test (ASTM E 662).
 - 4. Static coefficient of friction: Passes ADA requirements when tested according to ASTM C 1028.

5. Tuft bind: 20 lbs average tuft bind, wet or dry, when tested according to ASTM D 1335.

2.3 CARPET INSTALLATION MATERIALS

- A. Adhesive: Water-resistant, mildew-resistant, non-staining type to suit products and subfloor conditions indicated and to comply with flammability requirements for installed carpet and cushion, as furnished or recommended by the carpet or cushion manufacturer, as applicable.
- B. Seam Adhesive: Use waterproof, nonflammable, and non-staining, thermosetting seam adhesive tape, as furnished or recommended by the carpet manufacturer.
- C. Resilient Edge Guards: As specified in Section 09 65 00 - Resilient Flooring. Edge guard design shall comply with CBC Section 1124B.2.
- D. Sub-Floor Filler: White premix latex cement; type recommended by carpet manufacturer.

PART 3 - EXECUTION

3.1 INSTALLATION

1. Direct glue-down in compliance with CBC Section 1124B.3.

END OF SECTION

09 81 00 – ACOUSTIC INSULATION

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Acoustical batt insulation in interior wall and ceiling construction.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Specified Manufacturer: Owens Corning Fiberglas Corporation (OCF), Toledo, OH (800/438-7465).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision of the Contract Documents.
 - 1. CertainTeed Corp., Valley Forge, PA.
 - 2. Manville Building Insulation, Division of Johns Manville Corp., Denver, CO (303/978-2000 or 800/654-3103).

2.2 ACOUSTICAL BATT INSULATION, GLASS-FIBER

- A. Unfaced Glass Fiber Blanket/Batt Insulation: Insulation produced by combining glass fibers with thermosetting resins to comply with ASTM C 665, Type I (blankets without membrane facing) and ASTM C 136.
 - 1. Batt insulation in wall cavities: OCF Sound Attenuation Batt Insulation (SAB), suitable for friction-fit installation.
 - 2. Blanket insulation on top of acoustical ceilings: OCF Sonobatts Insulation, suitable for exposed insulation on top of t-bar grid and lay-in acoustical ceiling panels.
- B. Surface Burning Characteristics: Tested according to ASTM E 84.
 - 1. Maximum flame spread: 10.
 - 2. Smoke developed: 10.
- C. Insulation Thickness and Width:
 - 1. Walls: Nominal 3-1/2 inches thick by framing cavity width.
 - 2. Ceilings: Nominal 3-1/2 inches thick, unless otherwise indicated. Insulation width shall be optional with Contractor.

PART 3 - EXECUTION - NOT USED

END OF SECTION

09 90 00 – PAINTING AND COATING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.
- B. Section includes:
 - 1. Surface preparation for painting.
 - 2. Priming and finish painting.

1.2 WORK TO BE PAINTED

- A. Work to be Painted, General:
 - 1. Unless specifically noted, prime and finish paint all exposed surfaces of new construction whether or not colors are indicated. Specific exceptions are noted below in Article titled, WORK NOT TO BE PAINTED.
 - 2. Unless specifically noted, prepare and repaint all existing painted surfaces whether or not colors are indicated. Specific exceptions are noted below in Article titled, WORK NOT TO BE PAINTED.
 - 3. Where products or surfaces are not specifically indicated for a specified finish, paint these the same as adjacent similar products and surfaces.
- B. Exterior Work to be Painted: Work to be painted includes the following new and existing surfaces:
 - 1. Rooftop elements, including roof hatches, pipes and vents, exposed conduit, ductwork and HVAC equipment exposed to view.
 - 2. Fascias, wood soffits, wood siding and wood trim (as applicable to Project).
 - 3. Steel door frames and steel doors.
 - 4. Wood door frames and wood doors (if applicable to Project).
 - 5. Plaster walls and soffits.
- C. Interior Work to be Painted: Work to be painted includes the following new and existing surfaces:
 - 1. Interior gypsum board [and plaster] walls, soffits and ceilings (exposed in finished construction).
 - 2. Interior concrete and masonry walls, if previously painted or specifically indicated on the Drawings to be painted.
 - 3. Wood doors, wood door frames and wood trim (as applicable to the Project), if previously painted or specifically indicated on the Drawings to be painted.

4. Wood doors, wood door frames and wood trim (as applicable to the Project), if previously stained and varnished or specifically indicated on the Drawings to be stained and varnished.

5. Existing acoustical tile, acoustical ceiling panels and acoustical ceiling grid.

D. Interior Work to be Stripped, Sanded and Varnished:

1. Existing hardwood flooring, stair treads, stair risers, stair skirts and related trim.
2. Wood doors, wood door frames and wood trim (as applicable to the Project), if previously stained and varnished or specifically indicated on the Drawings to be stained and varnished.
3. Wood casework, paneling and standing and running trim (as applicable to the Project), if previously stained and varnished or if specifically indicated on the Drawings to be stained and varnished, and not shop finished.

1.3 WORK NOT TO BE PAINTED

A. Work Not to be Painted: Painting is not required on the following:

1. New exterior galvanized steel products.
2. Concealed structural steel and steel decking, except if noted on the Drawings.
3. Prefinished items.
4. Plated metal surfaces and stainless steel.
5. Concealed surfaces.
6. Operating parts.
7. Labels.

B. Pre-Finished Items: Unless otherwise specified or noted, do not paint factory-finished components, including the following.

1. Casework and trim: Plastic-laminate covered casework and countertops; shop-finished wood casework.
2. Solid surfacing fabrications.
3. Toilet partitions.
4. Acoustic materials: Suspended acoustical t-bar grid and acoustical panels and applied acoustical tile.
5. Finished mechanical and electrical equipment.
6. Light fixtures, unless specifically noted.
7. Switchgear.
8. Distribution cabinets.

C. Concealed Surfaces: Do not paint concealed surfaces, including wall or ceiling surfaces in the following generally inaccessible areas.

1. Furred areas.
2. Utility chases and pipe spaces.

3. Duct, piping and conduit shafts.
- D. Finished Metal Surfaces: Do not paint natural metal, plated metal and factory-finished metal surfaces (except where specifically indicated), including the following:
 1. Anodized aluminum.
 2. Stainless steel.
 3. Chromium plate.
- E. Operating Parts: Do not paint operating parts, including moving parts of operating equipment such as the following.
 1. Valve and damper operators.
 2. Linkages.
 3. Sensing devices.
 4. Motor and fan shafts.
 5. Fire suppression system components (i.e. sprinklers, sensors, strobes, horns, etc.) Strictly prohibited by local, state and federal fire code.
- F. Labels: Do not paint over Underwriter's Laboratories, Inc. (UL), Factory Mutual Research Organization (FM) and other code-required labels and over equipment names, identifications, performance ratings, and nomenclature plates.

PART 2 - PRODUCTS

2.1 PAINT MATERIALS

- A. Specified Manufacturer: Sherwin-Williams, Cleveland, Ohio
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below (or others) will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 1. Dunn-Edwards Corporation, Los Angeles, CA (323/771-3330 or 800/372-6470).
 2. Vista Paint Corporation, Fullerton, California (714/680-3800).
 3. ICI Dulux Paints, Los Angeles, CA (213/888-8888 or 800/339-6910).
- C. Paints, Stains and Special Coatings: See PAINT SCHEDULE at end of PART 3, below, for specific primers and finish paints, stains and special coatings. All primers, paints, stains and finishes shall comply with applicable State and regional VOC regulations. Should products not comply, provide substitute products in compliance with "or equal" provision specified in Section 01 60 00 - Product Requirements.
- D. Primers and Undercoats: Primers and other undercoat paints shall be components of published system of paint manufacturer for intended use.
- E. Gloss:
 1. Flat refers to a lusterless or matte finish with a gloss range below 15 when measured at an 85-degree meter.

2. Eggshell refers to low-sheen finish with a gloss range between 20 and 35 when measured at a 60-degree meter.
3. Semi-gloss refers to medium-sheen finish with a gloss range between 35 and 70 when measured at a 60-degree meter.
4. Full gloss refers to high-sheen finish with a gloss range more than 70 when measured at a 60-degree meter.

2.2 MISCELLANEOUS MATERIALS

- A. Thinners, General: Use only thinners approved by paint manufacturer, and use only within recommended limits.
- B. Acrylic-based Product Thinner: Clear, potable water, free from materials detrimental to paint performance.
- C. Putty: Acrylic, fast-drying, low shrinkage.
- D. Painter's Calk: Joint filler, acrylic-based, as specified in Section 07 90 00 - Joint Protection.

2.3 COLORS

- A. Use only approved colors following existing school site color palette. If introducing new or modifying colors, it must be approved by Maintenance Department.

PART 3 - EXECUTION

3.1 PREPARATION, GENERAL

- A. Examination: Examine substrate for conditions which may adversely affect finish application durability and appearance.
 1. Do not proceed with surface preparation or paint application until defects are corrected. Proceeding will be interpreted to mean that substrate conditions were acceptable.
 2. Surfaces which cannot be prepared or painted as specified shall be immediately reported in writing to Architect and Project Inspector.
- B. Trim Removal: Remove electrical plates, hardware, light fixture trim, and fittings prior to preparing surfaces or finishing.
- C. Preparation of Previously-Painted Surfaces: [Existing paint may contain lead].
 1. Comply with Owner's instructions regarding existing paint containing lead. If existing paint contains lead, Owner will cause paint to be removed under separate hazardous material abatement contract.
 2. After removal of existing paint containing lead, further clean surfaces and prepare surfaces according to paint manufacturer's instructions and recommendations.
 3. Surfaces which cannot be prepared or painted as specified shall be immediately reported in writing to Owner's Representative, Architect and Project Inspector.
- D. Removals: Before start of preparation, remove hardware and hardware accessories, plates, machined surfaces, lighting fixtures, and similar items already installed that are not to be

painted. If removal is impractical or impossible because of size or weight of the item, provide surface-applied protection before surface preparation and painting.

1. After completing painting operations in each space or area, reinstall items removed using workers skilled in the trades involved.

- E. Masking and Covering: Exercise care not to deface adjoining Work. Use suitable clean cover cloths or other approved protection materials to cover adjoining Work. Mask small items and edges to prevent and control paint coverage.

3.2 CLEANING

A. Cleaning, General:

1. Before applying paint or other surface treatments, clean substrates of substances that could impair bond of the various coatings.
2. Remove oil and grease before cleaning.
3. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

- B. Cleaning, Impervious Surfaces: Wash surfaces with mild detergent solution. Remove mildew by scrubbing with solution of tri-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

- C. Cleaning, Aluminum Surfaces Scheduled for Paint Finish: Remove surface contamination by steam or high pressure water. Remove oxidation with acid etch and solvent washing. Apply etching primer immediately following cleaning.

- D. Cleaning, Galvanized Surfaces: Remove surface contamination and oils by wash with solvent.

3.3 SURFACE PREPARATION, GENERAL

- A. Surface Preparation, General: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified.

1. Clean all interior wall surfaces of loose, peeling, and scaly paint, dirt, dust, rust, chalk and other foreign matter as required to provide a clean sound surface for the new coatings and paints.
2. Clean all exterior walls and surfaces of loose, peeling, and scaly paint, dirt, dust, rust, chalk and other foreign matter by power washing as required to provide a clean sound surface for the new coatings and paints.
3. Deteriorated or dry rotted wood shall be replaced prior to paint application. Comply with finish carpentry and woodwork specifications in Division 6 – Wood, Plastics and Composites.
4. Provide barrier coats over incompatible primers or remove and reprime.

- B. Concrete, Masonry and Plaster Surface Preparation:

1. Prepare concrete, concrete unit masonry and cement plaster surfaces to be painted.
2. Remove soiling, efflorescence, salts, alkali powder, chalk, dust, dirt, grease, oils, release agents and other foreign matter by brushing and power washing.

3. Remove oil and grease with solution of trisodium phosphate.
 4. Remove rust stains with solution of sodium metasilicate after thoroughly wetting surface with water.
 5. Flush surfaces to remove cleansing agents and allow to thoroughly dry.
 6. Roughen as necessary to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods of surface preparation. Use abrasive blast-cleaning methods if recommended by paint manufacturer.
 7. Determine alkalinity and moisture content of surfaces by performing appropriate tests. If surfaces are sufficiently alkaline to cause the finish paint to blister and burn, correct this condition before application. Do not paint surfaces if moisture content exceeds that permitted in manufacturer's written instructions.
- C. Wood Surfaces Preparation: Clean wood surfaces of dirt, oil, and other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Sand surfaces exposed to view smooth and dust off.
1. Scrape and clean small, dry, seasoned knots, and apply a thin coat of white shellac or other recommended knot sealer before applying primer. After priming, fill holes and imperfections in finish surfaces with putty or plastic wood filler. Sand smooth when dried.
 2. Prime, stain, or seal wood to be painted immediately on delivery. Prime edges, ends, faces, undersides, and back sides of wood, including cabinets, counters, cases, and paneling.
 3. If transparent finish is required, back prime with spar varnish.
 4. Back prime paneling on interior partitions where masonry, plaster, or other wet wall construction occurs on back side.
- D. Existing Hardwood Veneer Preparation: Clean surface, fill and repair damaged areas and level sand existing hardwood veneer casework, doors and related trim with transparent finish. Also comply with recommendations of manufacturer of sealer and finish coating to be applied to prepared hardwood surfaces.
- E. Ferrous Metals Preparation:
1. Unprimed ferrous metals: Clean ungalvanized ferrous-metal surfaces that have not been shop coated; remove oil, grease, dirt, loose mill scale, and other foreign substances. Use solvent or mechanical cleaning methods that comply with SSPC's recommendations.
 - a. Blast steel surfaces clean as recommended by paint system manufacturer and according to SSPC-SP 6/NACE No. 3.
 - b. Treat bare and sandblasted or pickled clean metal with a metal treatment wash coat before priming.
 - c. Touch up bare areas and shop-applied prime coats that have been damaged. Wire-brush, clean with solvents recommended by paint manufacturer, and touch up with same primer as the shop coat.
 2. Galvanized Surfaces: Clean galvanized surfaces with non-petroleum-based solvents so surface is free of oil and surface contaminants. Remove pretreatment from galvanized sheet metal fabricated from coil stock by mechanical methods.

3. Previously Primed and Bare Steel Surfaces: Comply with SSPC requirements.
 - a. Sand and scrape to remove loose primer and rust.
 - b. Feather edges to make touch-up patches inconspicuous.
 - c. Clean surfaces with solvent to remove oil and grease.
 - d. Treat surfaces with phosphoric acid solution, ensuring cleaning of weld joints, bolts and nuts.
 - e. Sand each coat except not on final finish coat.
 - f. Clean surface of dust with tackrags.

3.4 SURFACE PREPARATION, SPECIFIC CONDITIONS

A. Existing Wood Floors Preparation:

1. Clean surface, sand off existing finish, fill and repair damaged areas and level sand existing hardwood flooring, stair treads, stair risers, stair skirts and related trim.
2. Comply with "Industry Recommendations for Sanding, Sealing, Court Lining, Finishing and Resurfacing of Maple Gym Floors," current edition, published by Maple Floor Manufacturers Association (MFMA), Northbrook, IL (847/480-9138) www.maplefloor.org. Also comply with recommendations of manufacturer of sealer and finish coating to be applied to prepared hardwood flooring.

B. Doors Preparation:

1. Wood doors: Seal top and bottom edges after fitting and cleaning, using additional coat of specified varnish finish at stained finish and using additional coat of primer at painted finish.
2. Steel doors: Apply additional coat of field primer at tops and bottoms of doors.

C. Gypsum Board Surfaces Preparation: Latex fill minor defects. Spot prime defects after repair.

D. Plaster Preparation: Fill hairline cracks, small holes and imperfections with latex patching plaster. Make surface level and blend texture to match surrounding finish. Wash and neutralize high alkali surfaces.

E. Patching and Sanding, General: Correct minor surface defects. Major defects shall be repaired by replacement.

1. Repair, patch and fill all surfaces as necessary to match existing surface texture and to present uniform surface appearance matching surrounding surfaces. Repair all cracks and voids greater than 1/32-inch as follows:
2. Voids, cracks and joints up to 1/16-inch wide: Repaired using a brushable grade sealant with 2-inch wide minimum seam. Seam patch shall be feathered to zero at the edges to prevent the repair from telegraphing through top coats.
3. Voids, cracks and joints exceeding 1/16-inch wide: Patched or filled using a knife grade sealant.
 - a. All exterior openings should be sealed as specified in Section 07 90 00 - Joint Protection. Deteriorated sealant shall be removed and new backing material and sealant shall be installed prior to painting.

- b. Determine compatibility between paints and joint sealers. Notify Owner's Representative of incompatibilities and other conditions which are detrimental to proper joint sealing and paint adhesion.
- 4. Cracks larger than 1/8-inch wide: Scraped and widened in a V-groove pattern to promote good penetration and adhesion of the patching material. Fill groove (crack) with suitable patching material compatible with substrate material and matching surface finish.
- 5. Putty voids and nail heads.
- F. Moisture Content: Measure moisture at surfaces using an electronic moisture meter. Do not apply finishes unless moisture is below the following maximums:
 - 1. Concrete: 15 percent.
 - 2. Interior Gypsum Wallboard: 12 percent.
 - 3. Exterior Plaster: 15 percent.

3.5 PRIMING

- A. Compatibility: Verify compatibility of primers with surfaces on which to be applied. If primer or finish coating is incompatible, follow manufacturer's recommendations.
- B. Steel: Prime all bare steel surfaces. Oil base preferred. No DTM .
- C. Galvanized Steel Substrate: If unprimed, pretreat before priming by applying coat of etching primer. Oil based preferred. No DTM.
- D. Wood: Prime all wood scheduled to receive opaque finish. Backprime all finished wood items before installation. See Section 06 20 00 - Finish Carpentry.
- E. Preprimed Surfaces: Touch up with matching primer. Reprime steel items which have been exposed to weather more than 7 days.

3.6 FINISH PAINT APPLICATION, GENERAL

- A. Material Preparation: Mix and prepare paint materials according to manufacturer's written instructions.
 - 1. Maintain containers used in mixing and applying paint in a clean condition, free of foreign materials and residue.
 - 2. Stir material before application to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into material. If necessary, remove surface film and strain material before using.
 - 3. Use only thinners approved by paint manufacturer and only within recommended limits.
- B. Scheduling Painting: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.
 - 1. The number of coats and film thickness required are the same regardless of application method. Do not apply succeeding coats until previous coat has cured as recommended by manufacturer. If sanding is required to produce a smooth, even surface according to manufacturer's written instructions, sand between applications.

2. At metal surfaces that have been shop primed and touch-up painted, omit primer if primer is suitable for finish coats.
3. If undercoats, stains, or other conditions show through final coat of paint, apply additional coats until paint film is of uniform finish, color, and appearance. Give special attention to ensure that edges, corners, crevices, welds, and exposed fasteners receive a dry film thickness equivalent to that of flat surfaces.
4. Allow sufficient time between successive coats to permit proper drying. Do not recoat surfaces until paint has dried to where it feels firm, and does not deform or feel sticky under moderate thumb pressure, and until application of another coat of paint does not cause undercoat to lift or lose adhesion.

C. Paint Application, General:

1. Apply primers, intermediate coats and finish coats of paint as scheduled below and in compliance with paint manufacturer's instructions and recommendations.
2. Apply paint materials no thinner than manufacturer's recommended spreading rate to achieve dry film thickness indicated.
3. Provide total dry film thickness of the entire system as recommended by manufacturer.

D. Prime Coat Application:

1. Before applying finish coats, apply a prime coat, as recommended by manufacturer, to material that is required to be painted or finished and that has not been shop primed or shop painted.
2. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to ensure a finish coat with no burn-through or other defects due to insufficient sealing.

E. Pigmented (Opaque) Finishes: Completely cover surfaces as necessary to provide a smooth, opaque surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.

1. Carry finish coats to natural breaks and transitions.
2. Apply each coat to uniform film thickness, not less than and not exceeding amount to achieve recommended dry film thickness of paint manufacturer. Adjust applied thickness to suit substrate and ambient temperatures to minimize brush and roller marks.
3. Allow each coat to cure before recoating, adjusting manufacturer's minimum time between coats to accommodate Project conditions.

F. Transparent (Clear) Finishes: Use multiple coats to produce a glass-smooth surface film of even luster. Provide a finish free of laps, runs, cloudiness, color irregularity, brush marks, orange peel, nail holes, or other surface imperfections.

G. Stipple Enamel Finish: Roll and redistribute paint to an even and fine texture. Leave no evidence of rolling, such as laps, irregularity in texture, skid marks, or other surface imperfections.

H. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or repaint work not complying with requirements.

- I. Holidays and Thin Spots: Recoat and blend in. If blending is unsuccessful, sand and recoat entire surface.
 - J. Dust, Runs, Drips, Sags, Color Separation: Remove surface defects, sand and recoat entire surface.
 - K. Metal Surfaces: If brush application cannot produce a smooth surface without laps or brush marks, use spray application under dust free conditions.
 - L. Final Finish: Even, smooth color and finish with no apparent brush or roller marks.
- 3.7 FINISH PAINT APPLICATION, SPECIFIC CONDITIONS
- A. Doors: Coat tops, bottoms and edges with all coats as scheduled for faces. Coat cutouts for hinges, edges of lockset holes and strikes same as for first coat.
 - B. Access Doors, Panels, Registers and Grilles: Generally paint same color as surrounding walls and ceiling. Paint interiors of ducts showing through registers and grilles flat black.
 - C. Door Trim and Primer Coated Hinges: Paint trim to match door and paint hinges to match frame, unless hinges have plated finish.
 - D. Rooftop HVAC and Airhandler Units: Field paint color as directed, if exposed to view.
 - E. Speaker Grilles: Paint to match surrounding surfaces.
 - F. Lighting Fixture (Luminaire) Trim: Paint to match surrounding surfaces, unless otherwise directed. At acoustical panels finished in factory white color, do not paint lighting fixture trim.
- 3.8 CLEANING, TOUCH-UP AND PROTECTION
- A. Cleaning: As Work proceeds, promptly remove paint where spilled, splashed, or spattered. Remove all paint spots, oils or stains from adjacent surfaces, leaving the Work and Work area clean and ready for Substantial Completion review.
 - B. Debris and Waste: During progress of Work maintain premises free of unnecessary accumulation of tools, equipment, surplus materials, and debris. Collect cotton waste, cloths, and material which may constitute a fire hazard, place in closed metal containers and remove daily from site. Remove empty paint containers from site.
 - C. Touch-Up: At completion of Work specified in other Sections, touch-up painted and finished surfaces and restore to original condition finishes damaged or defaced.
 - D. Protection: Provide "Wet Paint" signs to protect newly painted finishes. After completing painting operations, remove temporary protective wrappings used to protect adjacent surfaces and products.
- 3.9 PAINT SCHEDULE
- A. Paint Schedule: Provide paint systems (PS) as follows and as recommended by paint manufacturer.
 - 1. Manufacturer's dry film thickness (DFT) rating and scheduled number of coats shall be minimums only. Number of finish coats listed is the minimum number of coats required. Provide additional finish coats as necessary to achieve full and complete coverage. Alter tint of each coat to facilitate evaluation of coverage.

2. The first (primer) coat of multi-coat system may be omitted on products shop or factory primed and on existing surfaces to be repainted. Spot prime and sand existing painted surfaces as recommended by paint manufacturer for repainting and as specified above.
3. Unless otherwise noted, products listed are by Dunn Edwards Paints.

PS-1 - EXTERIOR FERROUS METALS - SEMI-GLOSS FINISH (50-60% on 60 degree meter)

Primer: B66W00310 - Pro Industrial Pro-Cryl® Universal Acrylic Primer Off White
Coat 1: B54W00151 - Pro Industrial Urethane Alkyd Enamel Extra White
Coat 2: B54W00151 - Pro Industrial Urethane Alkyd Enamel Extra White

(For exteriors steel doors, steel door and window framing and other primed and unprimed ferrous metals. Provide additional coats at deep tone finish color as necessary for full and even coverage)

PS-2 - EXTERIOR GALVANIZED METAL, FLAT(1-2% on 60 degree meter)

Primer: B71Y00001 - DTM Wash Primer Yellow-Green
Coat 1: A80W00116 - SuperPaint® Exterior Latex Flat Super White
Coat 2: A80W00116 - SuperPaint® Exterior Latex Flat Super White

(For exterior rooftop ductwork. Provide additional coats at deep tone finish color as necessary for full and even coverage)

PS-3 - EXTERIOR GALVANIZED METAL - SEMI-GLOSS FINISH (50-60% on 60 degree meter)

Primer: B71Y00001 - DTM Wash Primer Yellow-Green Yellow-Green
Coat 1: A84W00116 - SuperPaint® Latex Gloss House & Trim Paint Super White
Coat 2: A84W00116 - SuperPaint® Latex Gloss House & Trim Paint Super White
(For exterior galvanized steel products, except rooftop ductwork. Provide additional coats at deep tone finish color as necessary for full and even coverage)]

PS-4 - EXTERIOR CONCRETE - FLAT FINISH (1-2% on 60 degree meter)

Primer: A24W08300 - Loxon® Concrete & Masonry Primer, Interior/Exterior Latex White
Coat 1: A80W00116 - SuperPaint® Exterior Latex Flat Super White
Coat 2: A80W00116 - SuperPaint® Exterior Latex Flat Super White

PS-5 - EXTERIOR PORTLAND CEMENT PLASTER - FLAT FINISH (1-2% on 60 degree meter)

Primer: A24W08300 - Loxon® Concrete & Masonry Primer, Interior/Exterior Latex White
Coat 1: A80W00116 - SuperPaint® Exterior Latex Flat Super White
Coat 2: A80W00116 - SuperPaint® Exterior Latex Flat Super White

PS-6 - EXTERIOR WOOD - SEMI-GLOSS FINISH (50-60% on 60 degree meter)

Primer: B42W08041 - Exterior Latex Wood Primer White
Coat 1: K34W00200 - Duration® Gloss Exterior Latex Coating Super White
Coat 2: K34W00200 - Duration® Gloss Exterior Latex Coating Super White

PS-7 - INTERIOR CONCRETE UNIT MASONRY - EGGSHELL FINISH (27-35% on 60 degree meter)

Primer: B51W00620 - PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer White
Coat 1: B20W02651 - ProMar® 200 Zero VOC Interior Latex Eg-Shel Extra White
Coat 2: B20W02651 - ProMar® 200 Zero VOC Interior Latex Eg-Shel Extra White

PS-8 - INTERIOR CONCRETE UNIT MASONRY - SEMI-GLOSS FINISH (50-60% on 60 degree meter)

Primer: B51W00620 - PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer White
Coat 1: B31W02651 - ProMar® 200 Zero VOC Interior Latex Semi-Gloss Extra White
Coat 2: B31W02651 - ProMar® 200 Zero VOC Interior Latex Semi-Gloss Extra White

PS-9 - INTERIOR CONCRETE - FLAT FINISH (2-3% on 60 degree meter)

Primer: A24W08300 - Loxon® Concrete & Masonry Primer, Interior/Exterior Latex White
Coat 1: B30W02651 - ProMar® 200 Zero VOC Interior Latex Flat Extra White
Coat 2: B30W02651 - ProMar® 200 Zero VOC Interior Latex Flat Extra White

PS-10 - INTERIOR CONCRETE - SEMI-GLOSS FINISH (50-60% on 60 degree meter)

Primer: A24W08300 - Loxon® Concrete & Masonry Primer, Interior/Exterior Latex White
Coat 1: B31W02651 - ProMar® 200 Zero VOC Interior Latex Semi-Gloss Extra White
Coat 2: B31W02651 - ProMar® 200 Zero VOC Interior Latex Semi-Gloss Extra White

PS-11 - INTERIOR GYPSUM BOARD - EGGSHELL LOW SHEEN FINISH (15-25% on 60 degree meter)

Primer: B51W00620 - PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer White
Coat 1: B24W02651 - ProMar® 200 Zero VOC Interior Latex Low Sheen Extra White
Coat 2: B24W02651 - ProMar® 200 Zero VOC Interior Latex Low Sheen Extra White

PS-12 - INTERIOR GYPSUM BOARD - SEMI-GLOSS FINISH (50-60% on 60 degree meter)

Primer: B51W00620 - PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer White
Coat 1: B31W02651 - ProMar® 200 Zero VOC Interior Latex Semi-Gloss Extra White
Coat 2: B31W02651 - ProMar® 200 Zero VOC Interior Latex Semi-Gloss Extra White
* Note: After application, create stipple finish with roller.

PS13 - INTERIOR WOOD - OPAQUE SEMI-GLOSS FINISH (50-60% on 60 degree meter)

Primer: B51W00620 - PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer White
Coat 1: A88W01150 - SuperPaint® Interior Latex Semi-Gloss High Reflective White
Coat 2: A88W01150 - SuperPaint® Interior Latex Semi-Gloss High Reflective White

PS-14 - INTERIOR WOOD - TRANSPARENT FINISH (gloss or semi-gloss only - 45% or higher on 60 degree meter)

Coat 1: 013333000 - Minwax® Polycrylic® Water-Based Protective Finish Satin Clear
Coat 2: 013333000 - Minwax® Polycrylic® Water-Based Protective Finish Satin Clear

PS-15 - INTERIOR FERROUS METALS - LOW SHEEN FINISH (25-35% on 60 degree meter)

Primer: B66W00310 - Pro Industrial Pro-Cryl® Universal Acrylic Primer Off White
Coat 1: A87W01151 - SuperPaint® Interior Latex Satin Extra White
Coat 2: A87W01151 - SuperPaint® Interior Latex Satin Extra White

PS-16 - INTERIOR FERROUS METALS - SEMI-GLOSS (50-60% on 60 degree meter)

Primer: B66W00310 - Pro Industrial Pro-Cryl® Universal Acrylic Primer Off White
Coat 1: A88W01151 - SuperPaint® Interior Latex Semi-Gloss Extra White
Coat 2: A88W01151 - SuperPaint® Interior Latex Semi-Gloss Extra White

PS-17 - INTERIOR GALVANIZED METAL - LOW SHEEN FINISH (25-35% on 60 degree meter)

Primer: B66W00310 - Pro Industrial Pro-Cryl® Universal Acrylic Primer Off White
Coat 1: A87W01151 - SuperPaint® Interior Latex Satin Extra White
Coat 2: A87W01151 - SuperPaint® Interior Latex Satin Extra White

PS-18 - INTERIOR GALVANIZED METAL - SEMI-GLOSS FINISH (50-60% on 60 degree meter)

Primer: B66W00310 - Pro Industrial Pro-Cryl® Universal Acrylic Primer Off White
Coat 1: A88W01151 - SuperPaint® Interior Latex Semi-Gloss Extra White
Coat 2: A88W01151 - SuperPaint® Interior Latex Semi-Gloss Extra White

PS-19 - INTERIOR ALUMINUM - SEMI-GLOSS FINISH (50-60% on 60 degree meter)

Primer: B66W00310 - Pro Industrial Pro-Cryl® Universal Acrylic Primer Off White
Coat 1: A88W01151 - SuperPaint® Interior Latex Semi-Gloss Extra White
Coat 2: A88W01151 - SuperPaint® Interior Latex Semi-Gloss Extra White

END OF SECTION

09 96 23 – GRAFFITI-RESISTANT COATINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Anti-graffiti coatings. Anti-graffiti coatings are to be used only on exposed natural color concrete (except walking surfaces), integrally colored precision masonry units, color masonry units, brick masonry, stones and painted murals. Anti-graffiti coatings should not be used for stucco; these surfaces should be painted per specification section 09 90 00 Painting and Coating.

1.3 SUBMITTALS

- A. Product Data: Submit anti-graffiti coating manufacturer's technical data and installation instructions, recommended coverage rates for types of surfaces to be treated, and evidence that coatings conform to all requirements specified. Submit evidence of code approvals.
- B. Furnish Samples on the same materials to which coating will be applied on. Indicate gloss or flat finish. Coat one-half of each Sample, with the other half non-coated.
- C. Certificate and Summary Statement: Before Substantial Completion, submit a certificate stating that coatings applied conform to reviewed submittals and all specified requirements. Provide a summary statement setting forth the following:
 - 1. Number of square feet of each surface treated with coating, classified as to the kind of material treated, open pore or closed pore type, and whether vertical or horizontal.
 - 2. The number of gallons of each type, class, or grade of coating required to treat all involved surfaces, based on the number of square feet of each type and orientation of the material the coating was installed on.
 - 3. Total gallons of each coating type, class, or grade installed.
- D. Maintenance Instructions: Furnish manufacturer's recommended graffiti removal instructions, and recommendations for recoating. Furnish names and addresses of cleaning firms and of suppliers of maintenance materials.
- E. Maintenance Material: Furnish five -gallons of each product specified.

1.4 QUALITY ASSURANCE

- A. Manufacturer's Observation: Start coating application under the observation of the coating manufacturer's technical representative. Notify the district and coating manufacturer at least 72 hours before starting installation.
- B. Preliminary Tests: Perform tests on each kind of surface to be treated to establish the actual application rates required to provide the surfaces resistant to defacing and meet warranty requirements. Tests shall demonstrate the coating does not yellow, darken, mottle, or

discolor any treated surface and those surfaces to be treated are dry. Established application rates shall not be less than those recommended in the coating manufacturer's technical data for the kind and surface orientation of the material.

- C. Compliance with Regulations: Materials shall comply with the current rules and regulations of the local air quality management district, with the rules regarding volatile organic compounds, and with FDA rules and regulations for dangerous materials in coatings.
 - D. Qualifications: Manufacturer: Anti-graffiti coating shall be product of a manufacturer who has been regularly engaged in manufacturing anti-graffiti coatings for at least 10 years. Manufacturer shall supply references of at least 5 satisfactory installations in which anti-graffiti coating has been in service for at least 5 years.
- 1.5 DELIVERY, STORAGE AND HANDLING
- A. Deliver all coating materials to the Project site in containers bearing name and batch number of manufacturer, with seals intact.
- 1.6 PROJECT CONDITIONS
- A. Protection: Install temporary coverings and protection, and do not allow any coating to contact plastic, planting soil, plants, asphaltic paving, roofing membranes, or other materials that are likely to be damaged by coating.
 - B. Weather Conditions: Do not install coating during windy, wet, or excessively hot or dry weather conditions.
- 1.7 WARRANTY
- A. Manufacturer shall provide a 10 year material warranty.
 - B. Installer shall provide a 3 year labor warranty.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Monopole Inc, Glendale, California
- B. Acceptable Manufacturer: Equivalent products of the manufacturers listed below (or others) will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.

2.2 ACCEPTABLE PRODUCTS

- A. Use one of the following products as shown on the drawings.
 - 1. Permashield Premium 5600(matte) over Permashield Base 6100, Permanent Graffiti Control, Manufactured by Monopole Inc, Glendale, California or approved equal.
 - 2. Permashield Premium 5650(gloss) over Permashield Base 6100, Permanent Graffiti Control, Manufactured by Monopole Inc, Glendale, California or approved equal.

2.3 PROPERTIES

- A. Coatings shall not darken or discolor the treated surfaces and shall be non-toxic, compatible with all standard polymer type caulking and sealing materials, conforming to AQMD 1113, and certified by manufacturer as suitable over paint finish.
- B. Colors of opaque materials shall match adjoining colors as required, or shall be as selected from manufacturer's standard and custom colors.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Do not start installation of coating if conditions are present that prevent or interfere with the correct preparation of surfaces or installation of coating system.

3.2 PREPARATION

- A. Remove dust, dirt, oil, grease, other deleterious substances and stain, and efflorescence and laitance from surfaces. Repair cracks and holes over 1/16-inch size. Spot prime cracks and holes 1/16-inch size and smaller and prime all horizontal surfaces other than soffits with a heavy duty coating supplied by same coating manufacturer. Mask and protect adjoining surfaces and glass, unless coating is harmless and easily removed.

3.3 APPLICATION

- A. Install the anti-graffiti coating to surfaces as indicated on drawings.
- B. Application Rates: Apply a minimum of 3 coats or more as recommended by manufacturer published application instructions, in the quantity of coating and coverage rates per coat established by preliminary tests, except total quantity shall be not less than the rate recommended for the involved surface in manufacturer's technical data.
- C. Spray Application: Install each coat by airless spray with nominal 20 psi nozzle pressure. Obtain complete coverage of each coat. Indicate areas that are coated when application is stopped for lunch or at the end of the day.

3.4 CLEANING

- A. Remove rubbish, debris, and waste materials and legally dispose of off the Project site.

3.5 PROTECTION

- A. Protect the Work of this section until Substantial Completion.

END OF SECTION

DIVISION 10 – SPECIALTIES

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements

10 11 16 – MARKER BOARDS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Fixed and sliding porcelain enamel markerboards.
- B. Tackboards with map rails.
- C. Accessories
 - 1. Map rails
 - 2. Flag holders

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Platinum Visual Systems, Corona CA. 800 498-2990.
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Claridge Products and Equipment, Inc., Harrison, AR (Western Division, San Leandro, CA, 510/351-8183).
 - 2. ADP/Lemco, Inc., West Jordan, UT (801/280-4000).

2.2 MARKERBOARDS

- A. Fixed Porcelain Enamel Marker Boards: Platinum Visual DTS Series, wall mounted, aluminum-framed porcelain enamel markerboards, with punched and wrapped safety corners and concealed fasteners. Cut and clipped corners will not be acceptable. Sizes shall be as indicated on the Drawings.
- B. Horizontal Sliding Porcelain Enamel Marker Boards for casework: Platinum Visual THS Series, horizontal sliding porcelain enamel markerboard and tackboard assemblies, sliding panels in heavy-duty aluminum-frame with 2-inch high map rail with cork insert and two flag holders, top supported with ball bearing wheeled carriers, nylon bottom guides and continuous aluminum bottom tracks with integral tray, sizes as indicated on the Drawings, for mounting to wall with concealed fasteners, with mounted in casework as indicated on the Drawings. Provide finger pulls on sliding panels.

- C. Horizontal Sliding Porcelain Enamel Marker Boards with wall mounted aluminum housing: Platinum Visual WHS Series , horizontal sliding porcelain enamel markerboard and tackboard assemblies, sliding panels in heavy-duty aluminum-frame with 2-inch high map rail with cork insert and two flag holders, top supported with ball bearing wheeled carriers, nylon bottom guides and continuous integral aluminum bottom tracks, sizes as indicated on the Drawings, for mounting to wall with concealed fasteners. Provide finger pulls on sliding panels.
 - D. Aluminum Extrusions: Manufacturer's standard extruded aluminum sections with not less than the strength and durability properties specified in ASTM B221 for 6063-T5 alloy.
 - E. Marker Board Panels: Platinum Visual Writanium Porcelain Marker Surface, balanced, high-pressure-laminated porcelain enamel chalkboards of 3-ply construction consisting of face sheet, core material, and backing, suitable for use as projection and writing surface.
 - 1. Face Sheet: Enameling grade steel especially processed for temperatures used in coating porcelain on steel.
 - a. Fabricate fixed markerboards with 28 gauge sheet steel face sheet.
 - b. Fabricate horizontal sliding markerboards with 28 gauge sheet steel face sheet.
 - c. Exposed face and exposed edges shall be coated with a 3-coat process consisting of primer, ground coat, and color cover coat, and the concealed face with a 2-coat process consisting of primer and ground coat.
 - d. Cover and ground coats shall be fused to steel at the manufacturer's standard firing temperatures, but not less than 1200 deg F (649 deg C).
 - e. Color cover coat shall be White.
 - 2. Panel core:
 - a. Fixed markerboards: 1/2-inch thick particleboard complying with the requirements of ANSI A208.1, Grade 1-M-1 with .005 aluminum backer sheet.
 - b. Horizontal sliding markerboards: Honeycomb core with .015 aluminum backer sheet.
 - 3. Marker Board Surface: Surface shall be capable of the following:
 - a. Receiving and holding magnets and acting as a projection screen.
 - b. Being marked on with projection ink and water soluble crayons.
 - c. Being marked by semi-permanent markers for drawing graphs and other diagrams and symbols which are to remain semi-permanently.
 - d. Not require solvents for erasing.
- 2.3 TACKBOARDS
- A. Vinyl-Fabric-Faced Tackboard Panels: For installation in sliding markerboard assemblies, provide mildew-resistant, washable, vinyl fabric complying with FS CCC-W-408, Type II, weighing not less than 18 ounces per square yard, laminated to 1/4-inch-thick cork sheet.
 - 1. Fire performance: Provide fabric that has a flame spread rating of 25 or less when tested in accordance with ASTM E84.

2. Backing: Make panels rigid by factory laminating cork face sheet under pressure to 1/4-inch-thick hardboard backing.
3. Color and texture: As indicated on Drawings or, if not indicated, as selected by Architect.

2.4 ACCESSORIES

- A. Map Rail: Furnish map rail at top of each wall-mounted unit, complete with the following accessories:
 1. Display Rail: Provide continuous cork display rail approximately 1 or 2 inches wide, as indicated, integral with map rail.
 2. End Stops: Provide one end stop at each end of map rail.
 3. Map Hooks: Provide 2 map hooks with flexible metal clips for every 48 inches of map rail or fraction thereof.
- B. Flag Holder: Provide two flag holders for each room.
- C. Framing and Trim Finish: Clear anodized aluminum, AA-M12C22A31.

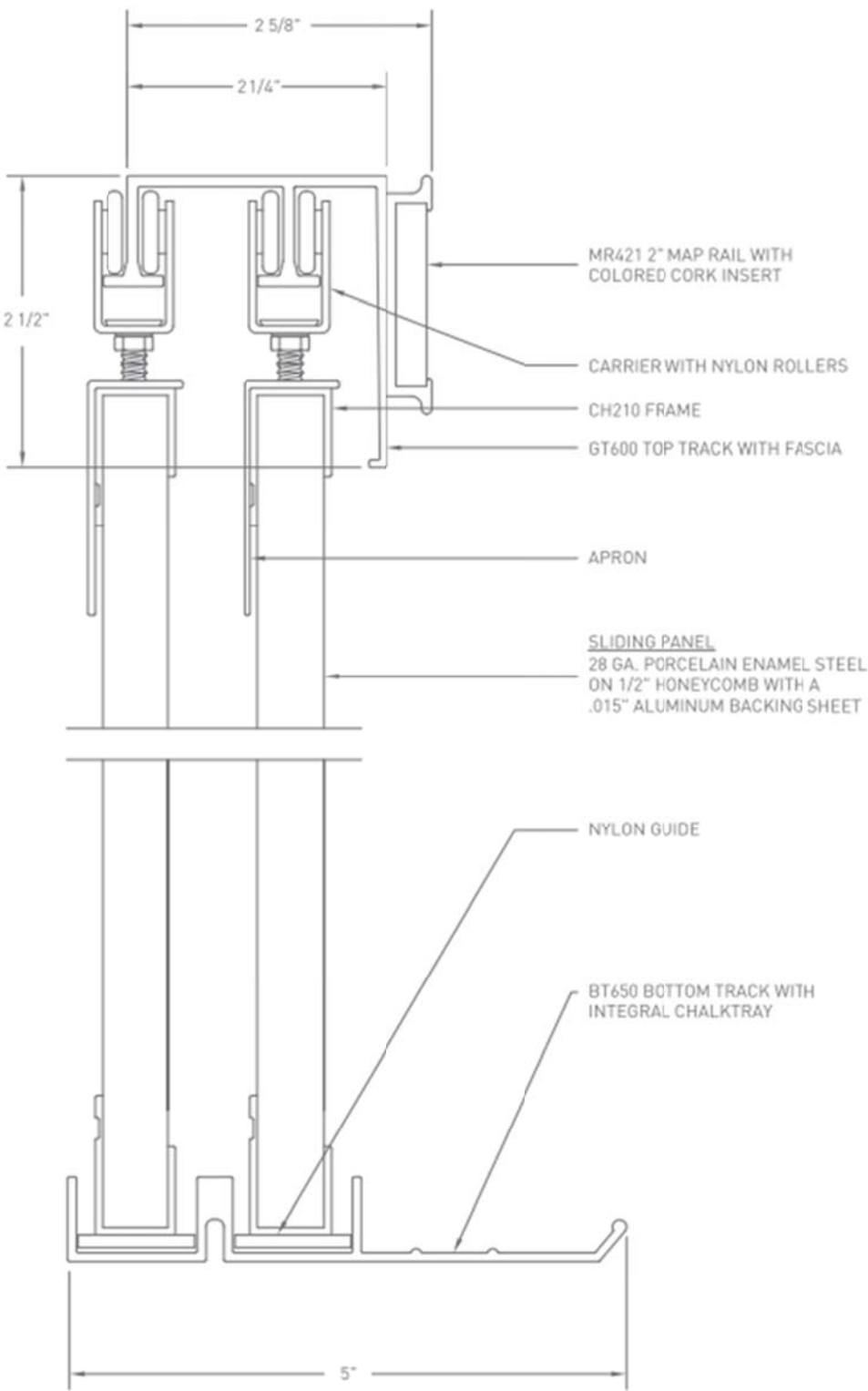
PART 3 - EXECUTION - NOT USED

PART 4 - DRAWINGS

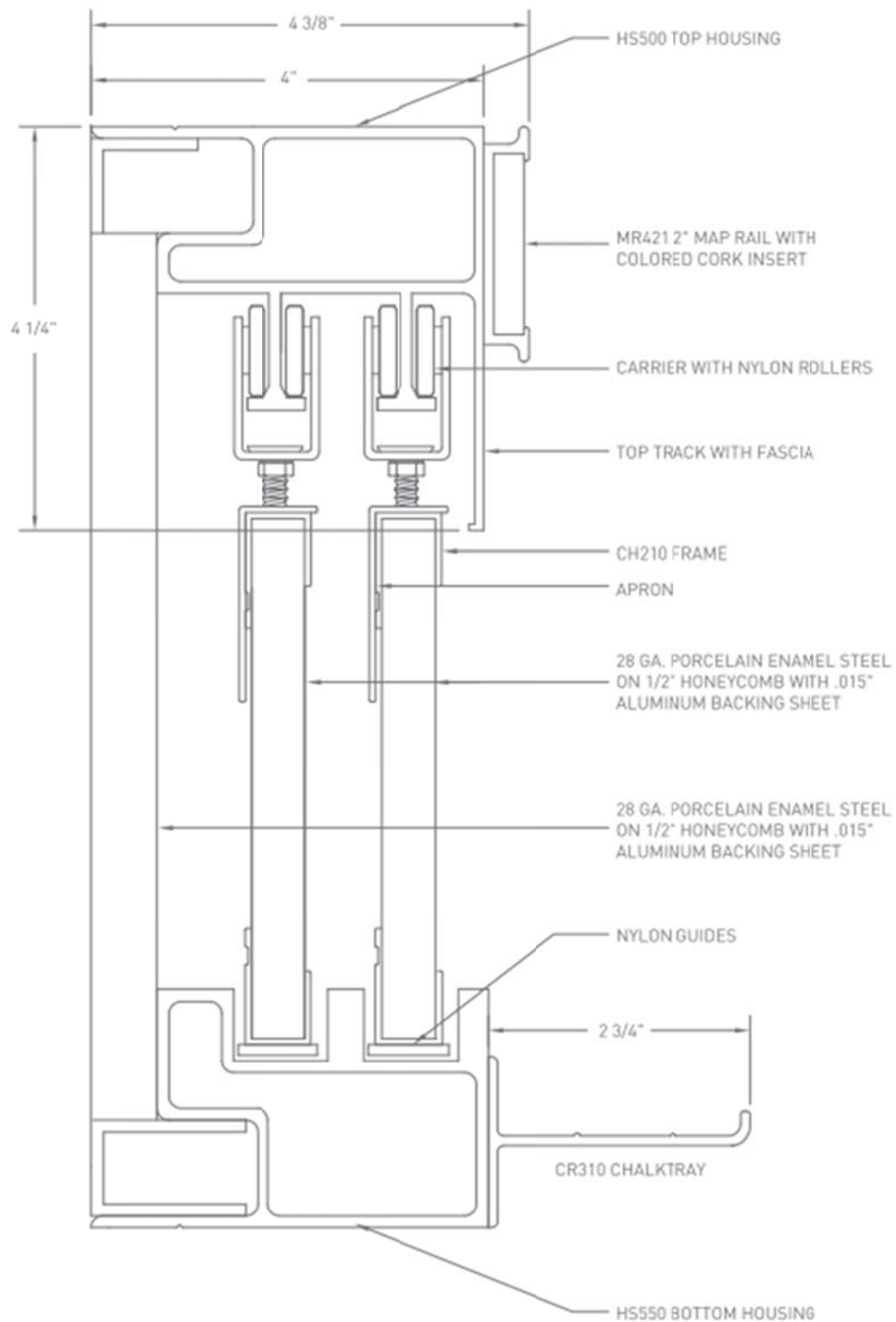
4.1 SAMPLE DRAWINGS

- A. On the following pages are sample drawings and sections for construction.

THS: Specifications

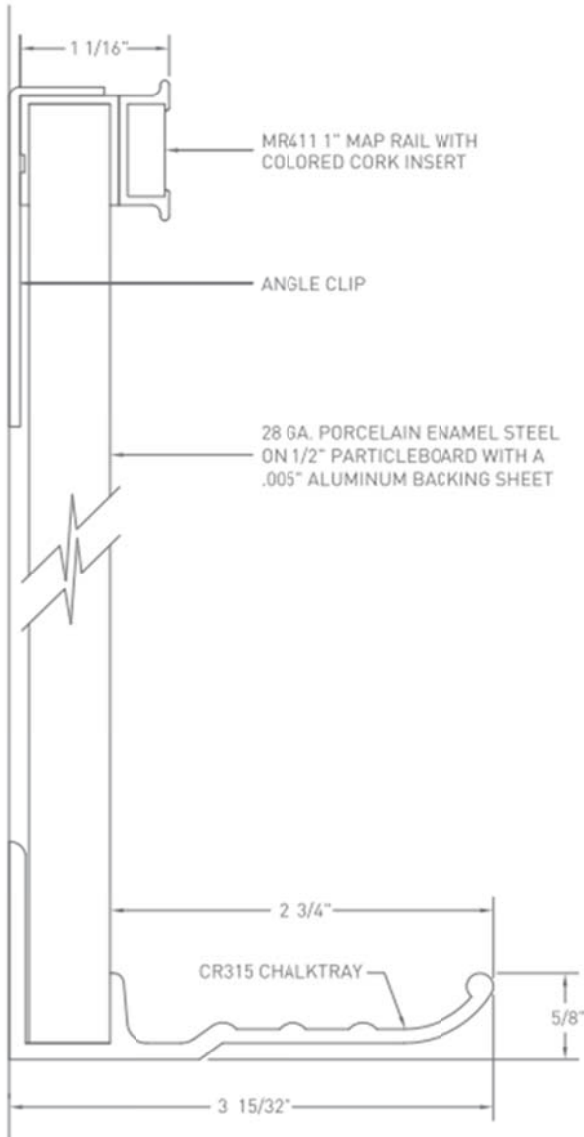


WHS: Specifications

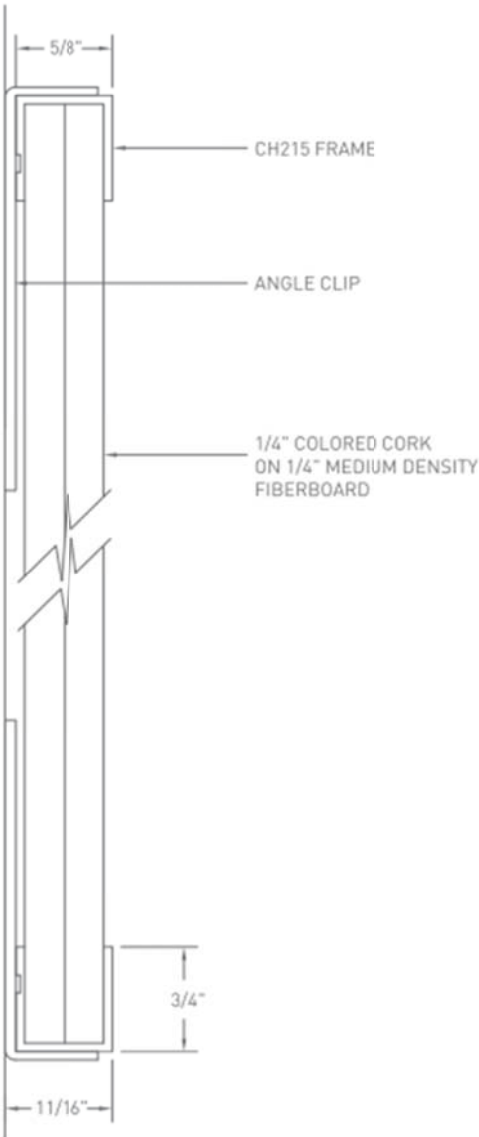


DTS: Specifications

MARKERBOARD/CHALKBOARD



TACKBOARD



END OF SECTION

10 11 23 – TACKBOARDS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Tackable wall panels.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Chatfield-Clarke Company, Inc., Fontana, CA (909/823-4297).
- B. Acceptable Manufacturers: Equivalent products by Lamvin, Inc., San Diego, CA (800/446-6329) will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.

2.2 VINYL-FACED TACKBOARD PANELS

- A. Vinyl-Faced Tackboard Panels: Vinyl fabric-wrapped wood fiberboard panels manufactured for tackable wall surfacing.
 - 1. Fiberboard: Industrial wood fiber insulation board, manufactured specifically for use as substrate for vinyl-covered tackboard panels, asphalt-free, with ironed-on coating.
 - 2. Fiberboard thickness: 1/2-inch.
 - 3. Fiberboard density: 16 pcf.
 - 4. Panel width: 48 inches.
 - 5. Panel height: As indicated on the Drawings.
 - 6. Panel edges: Square.
 - 7. Fire resistance: ASTM E84, Class B; NFPA 253, Class II.
- B. Vinyl-Fabric Facing, General: Koroseal Harborweave, 18 oz. per linear yard, complying with FS CCC-W-408 and CFFA-W-101 and the following:
 - 1. Flame spread: 15 maximum.
 - 2. Smoked developed: 20 maximum.
- C. Fabric Colors: As indicated on the Drawings or, if not indicated, as selected by Architect.

- D. Trim: Extruded aluminum, clear anodized finish, produced by panel manufacturer and conforming to profiles and dimensions indicated on the Drawings.
- E. Installation Materials: As standard with panel manufacturer for adhered installation to gypsum board substrate. Adhesives shall be low-VOC and moisture-resistant.
- F. Tackable Panel Fabrication: Factory laminate vinyl fabric to wood fiberboard with water-resistant adhesive, with fabric wrapped 1-1/2 inches around edges and adhered to panel back.
 - 1. Wrap vinyl fabric around edges and adhere to panel back where panel trim is not provided or where edge is not covered by wall base or other finishes.
 - 2. Panels shall be fabricated so that vinyl fabric texture shall have same orientation and color shall match between panels.

PART 3 - EXECUTION - NOT USED

END OF SECTION

10 14 00 – SIGNAGE

PART 4 - GENERAL

4.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

4.2 SECTION INCLUDES

- A. Interior plastic plaque signage, for Room ID and Library Stack identification.
- B. Non-illuminated dimensional letters, numbers and graphics.
- C. Die-cut vinyl characters (letters and numerals) and graphics, including Code-required decals on or adjacent to wheelchair-accessible doors.
- D. Cast bronze plaques.

PART 5 - PRODUCTS

5.1 MATERIALS

- A. Cast Acrylic Sheet: Provide cast (not extruded or continuous cast) methyl methacrylate monomer plastic sheet, in sizes and thicknesses indicated, with minimum flexural strength of 16,000 psi when tested in accordance with ASTM D790, minimum allowable continuous service temperature of 175 degrees F and of the following general types:
 - 1. Transparent Sheet: Where sheet material is indicated as "clear," provide colorless sheet in non-glare matte finish, with light transmittance of 92 percent, when tested in accordance with requirements of ASTM D1003.
 - 2. White Translucent Sheet: Where sheet material is indicated as "white," provide white translucent sheet of density required to produce uniform brightness and minimum halation effects.
 - 3. Opaque Sheet: Where sheet material is indicated as "opaque," provide colored opaque acrylic sheet in colors and finishes as noted in the Drawings, or selected by Architect from manufacturer's standards.
- B. Plastic Laminate: Provide high-pressure plastic laminate engraving stock with face and core plies in contrasting colors, in finishes and color combinations indicated or, if not indicated, as selected from manufacturer's standards.
- C. Aluminum Sheet: Provide aluminum sheet of alloy and temper recommended by aluminum producer or finisher for type of use and finish indicated, and with not less than the strength and durability properties specified in ASTM B209 for 5005-H15.
- D. Aluminum Extrusions: Provide aluminum extrusions of alloy and temper recommended by the aluminum producer or finisher for type of use and finish indicated, and with not less than strength and durability properties specified in ASTM B221 for 6063-T5.

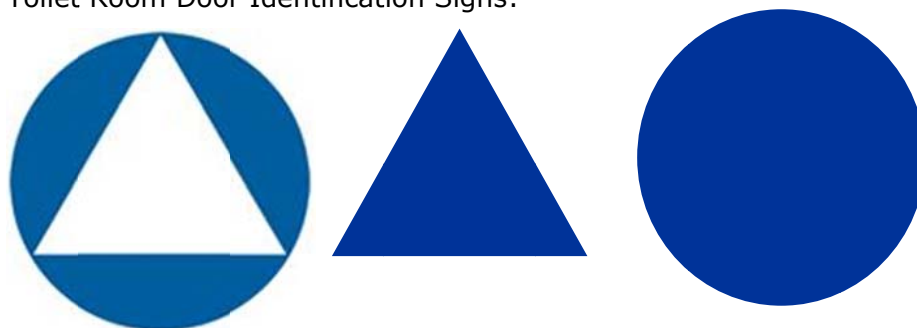
- E. Aluminum Castings: Provide aluminum castings of alloy and temper recommended by aluminum producer and finisher for casting process used and for use and finish indicated.
 - F. Vinyl Film: Opaque non-reflective vinyl film, 0.0035-inch minimum thickness, with pressure-sensitive adhesive backing, suitable for exterior as well as interior applications.
 - G. Fasteners: Concealed, fabricated from metals that are not corrosive to sign material and mounting surface.
 - H. Anchors and Inserts: Non-ferrous metal or hot-dipped galvanized anchors and inserts for exterior installations and elsewhere as required for corrosion resistance. Use toothed steel or lead expansion bolt devices for drilled-in-place anchors. Furnish inserts, as required, to be set into concrete or masonry work.
 - I. Colored Coatings for Acrylic Plastic Sheet: As recommended by acrylic manufacturers, including inks and paints for copy and background colors, for optimum adherence to acrylic surface and that are non-fading for application intended.
- 5.2 PLASTIC PLAQUE SIGNAGE
- A. Specified Manufacturer: ASI Sign Systems, Inc., Dallas, TX (214/352-9140; local representative, Culver City, CA, 310/645-1400, ex. 21).
 - B. Acceptable Manufacturers: Equivalent products by manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Karman Ltd., Canoga Park, CA (818/888-3818).
 - 2. Mohawk Sign Systems, Schenectady, NY (518/370-3433).
 - 3. Vomar Products, Inc., Sepulveda, CA (818/894-7174).
 - C. Interior Plastic Plaque Signage:
 - 1. Door, room identification and informational signs: ASI EmBoss Series, one-piece signs with embossed sign faces with subsurface graphics, for mounting to doors and walls for room identification and for information.
 - 2. Library stack signs: ASI Interior 20 Series, one-piece signs with text and graphics that can be repositioned to accommodate alphanumeric order on particular sign, for mounting to doors and walls and stack ends for room identification and directional information.
 - D. Fastening and Attachment Materials: As recommended by manufacturer to suit installation conditions, with consideration for potential of high abuse and for concealing fastenings.
 - E. Finishes: Custom colors and finishes as selected by the Architect.
 - F. Character (Letter and Number) Style: Characters as indicated on the Drawings or, if not indicated, as selected by Architect. If not indicated, assume Helvetica Medium font for bidding. Lettering shall be raised minimum 1/32-inch above sign surface.
 - G. Braille Indicators: On surface of all signs, provide Braille symbols corresponding to sign text, in compliance with CBC Section 11B-703.3. Braille symbols shall be Contracted Grade 2, with dots 1/10-inch on centers within each cell with 2/10-inch space between cells. Dots shall be raised a minimum of 1/40-inch above background.

H. Fabrication: Shop fabricate plaques, in sizes and with copy as indicated on the Drawings or, if not indicated, as directed by Architect.

1. Sizes: As indicated on Drawings.
2. Text and graphics: As indicated on Drawings. If not indicated, text and graphics will be provided by Architect.
3. Toilet Room Identification Signs:
 - a. Multiple-occupant toilet room identification signs: Plaque signs, 7 inches high, with text BOYS, GIRLS, MEN or WOMEN
 - b. Single-occupant toilet room identification signs: Plaque signs, 7 inches high, with text RESTROOM.
 - c. Accessible toilet room identification signs: International Symbol of Accessibility on the room identification sign (BOYS, GIRLS, etc.) or a separate 7" x 7" sign mounted adjacent to the room identification sign.
4. Toilet Room Door Identification Signs:
 - a. At BOYS and MEN, provide 12-inch equilateral triangle.
 - b. At GIRLS and WOMEN, provide 12-inch circle.
 - c. At RESTROOM, provide 12-inch circle, with contrasting color triangle inside.
5. Figures:
 - a. Toilet Room Identification Signs:



- b. Toilet Room Door Identification Signs:



5.3 DIMENSIONAL LETTERS AND NUMBERS

- A. Specified Manufacturer: ASI Sign Systems, Inc., Dallas, TX (214/352-9140; local representative, Culver City, CA (310/645-1400 ex. 21).

- B. Acceptable Manufacturers: As listed below. Additional manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. Andco Industries Corp., Greensboro, NC (910/299-4511 or 800/476-8900).
 - 2. Vomar Products, Inc., Sepulveda, CA (818/894-7174).
 - 3. Mohawk Sign Systems, Schenectady, NY (518/370-3433).
 - 4. Karman Ltd., Canoga Park, CA (818/888-3818).
 - C. Cast Letters and Numbers: ASI LF Series, aluminum, with smooth, flat faces, sharp corners, and precisely formed lines and profiles, free from pits, scale, sand holes, or other defects. Cast lugs into back of characters and tap to receive threaded mounting studs. Comply with requirements indicated for finish, style, and size.
 - 1. Letter height: As indicated on the Drawings.
 - 2. Letter style: As indicated on the Drawings.
 - 3. Letter thickness: As recommended by manufacturer for size and style of letter; minimum of 1/2-inch.
 - 4. Mounting provision: 1 inch studs, for mounting characters flush to surface.
 - D. Finishes:
 - 1. Faces: Clear anodized aluminum.
 - 2. Returns: Painted, gloss; color as indicated on the Drawings.
- 5.4 APPLIED VINYL CHARACTERS AND SYMBOLS
- A. Specified Manufacturer: Specialized Builders Hardware (SBH), Inc., Placentia, CA (714/630-4751).
 - B. Acceptable Manufacturers: Equivalent products of Trimco Builders Hardware/Triangle Brass Mfg. Co., Inc., Los Angeles, CA (213/262-4191) will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - C. Code-Required Decals On or Adjacent to Doors: Stock, preprinted decal, complying with California Building Code (CBC) Chapter 11B requirements, with international wheelchair accessibility symbol, SBH #150, 5 inches by 5 inches, two-sided, for mounting on inside of glass and visible on both sides.
- 5.5 CAST METAL PLAQUES
- A. Cast Metal Plaques: Project commemoration plaque, as scheduled in herein at the end of PART 3 and as indicated on the Drawings. If not indicated, allow for plaque approximately 24 inches wide by 36 inches high, cast bronze with dark bronze textured background and light bronze raised edges, text and symbols.
 - 1. Castings shall be free from pits, scale, sand holes, or other defects.
 - 2. Hand-tool and buff borders and raised copy to produce the manufacturer's standard satin polished finish.

- B. Plaque Face: To be furnished by Architect during construction as camera-ready copy.
 - 1. It is intended that plaque face will feature school district logo, dedicating inscription, dedication date, and the names of persons and firms responsible for the facility.
 - 2. Lettering style and size will be provided on camera-ready copy.
- C. Mounting Provisions: Cast lugs into the back of plaque and tap to receive mounting studs for concealed mounting method.

PART 6 - EXECUTION – NOT USED

END OF SECTION

10 14 53 – PARKING AND TRAFFIC SIGNAGE

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES:

- A. Traffic and parking control, plaque signage.
- B. Sign supports and foundations.

1.3 SUBMITTAL

- A. Submit shop drawings of all signs.

PART 2 - PRODUCTS

2.1 TRAFFIC AND PARKING CONTROL SIGNAGE

- A. Specified Manufacturer: Safeway Sign Company, Gardena, CA (310/321-4608). Or equal
- B. Acceptable Manufacturers: As listed below. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. Western Highway Products, Inc., Stanton, CA (714/761-4811).
 - 2. Hawkins-Hawkins Co., Inc. / Hawkins Traffic Safety Supply, Berkeley, CA (510/525-4040 or CA 800/772-3995).
- C. Plaque Signs: Provide manufacturer's standard silk-screened signs, baked-on enamel applied over reflectorized backing on aluminum or galvanized steel sheet.
- D. Accessories: Provide welded galvanized steel fittings and galvanized or cadmium-plated steel bolts, nuts and washers.
- E. Fasteners: Provide tamper-proof galvanized steel fasteners, Tufnut System (714/962-5838), Allegheny Bolt (Tampruf brand; 516/568-1052) or equal.
- F. Sign Text, Traffic and Regular Parking Control: Comply with requirements of State of California, Department of Transportation (CALTRANS) and regulations of local authorities having jurisdiction.
- G. Sign Text, Accessible Parking Control: Comply with requirements of California Building Code (CBC) Section 1129B.5, in addition to requirements of State of California, Department of Transportation (CALTRANS) and regulations of local authorities having jurisdiction.

2.2 SIGN SUPPORTS AND FOUNDATION

- A. Support Posts: Galvanized tube steel, sizes and configuration as indicated on the Drawings, fabricated as specified in Section 05 50 00 - Metal Fabrications, with caps.
- B. Foundation Concrete: 2500 psi minimum concrete as specified in Section 03 30 00 – Cast-in-Place Concrete.
- C. Provide other materials as necessary for complete installation, as recommended by manufacturer and selected by Contractor, subject to review of Architect.

2.3 FABRICATION

- A. Provide signs and supports factory-prefabricated and pre-finished, ready for assembly and installation.

PART 3 - EXECUTION – NOT USED

END OF SECTION

10 21 13 – TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Solid plastic (HDPE polymer) toilet compartments and urinal screens.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Comtec Industries, Inc., Moosic, PA (570/348-0997). Legacy Polymer Products, (805) 375 6599.
- B. Acceptable Manufacturers: Equivalent products will be acceptable in accordance with the "or equal" provision of the General Conditions. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.

2.2 SOLID PLASTIC TOILET COMPARTMENTS AND SCREENS

- A. Plastic Toilet Compartments: Floor-to-ceiling design, with pilasters anchored to floor and ceiling, and side panels and doors standard 55 inches high. Color: Black only. As indicated on the Drawings, for designated compartments, provide self-closing, out-swing doors with clear opening conforming to CBC Section 11B for wheelchair accessibility and dependent persons use requirements.
- B. Urinal Screens: Floor-to-ceiling end pilaster design, with 42-inch high by 24-inch deep panel.
- C. Privacy Screens: Floor-to-ceiling end pilaster design, with 55-inch high panel.
- D. Plastic Panels: SOLID High-density polyethylene (HDPE) with homogenous color throughout, containing minimum of 10 percent recycled materials; waterproof, non-absorbent. Panels shall be minimum 1 inch thick, with all edges machined to 1/4-inch radius and all surfaces smooth and free of saw marks and sharp corners. Foam Plastic Not Acceptable.
 - 1. Pilasters: 82" high.
 - 2. Doors: 55 inches high, installed 14 inches clear above finish floor.
 - a. Typical compartment: Unless otherwise indicated, provide minimum 24-inch wide in-swinging doors for typical toilet compartments.
 - b. Accessible compartment: Minimum door width at wheelchair-accessible compartments shall be 36 inches with minimum of 32 inches unobstructed

opening at front-entry compartments and 34 inches unobstructed opening at side-entry compartments when door is open 90 degrees.

3. Dividing Panels: 55 inches high, to be installed 14 inches clear above finished floor.
4. Heat-Sink Strip: Manufacturer's standard continuous, extruded-aluminum strip fastened to exposed bottom edges of solid-polymer components to prevent burning.
5. Fire characteristics, based on products of specified manufacturer, shall be as follows:

Property	Allowable Test Method	Required Value	Value
Self-ignition	ASTM D1929	650 degrees F	700 degrees F
Rate of burn	ASTM 635	2.0 cm/min	1.29 cm/min
Smoke density	ASTM D2843	<75	13.9
Interior Wall Finish	ASTM E-84		
Flame	>200	>200	
Smoke	>450	>450	

- E. Pattern/Color: Comtec Santana Black Paisley, Night Sky.
- F. Hardware: Hinges shall be 54" spring loaded continuous 16 gauge stainless steel, 6 ea hospital tips springs per hinge, rounded corners bolted to doors and pilasters with stainless steel torx head #14 3/4" screws.
 1. Accessible Compartment Provisions: Locate operating hardware and accessories in conformance with wheelchair accessibility and dependent persons use requirements. Mount door hardware at between +30 inches and +44 inches above finished floor.
 2. Pilaster anchors: Provide one-piece stainless steel or injection molded polymer shoe, with star-head security pin and stainless steel barrel bolts.
 3. Headrail: Provide Anti-Grip Aluminum Headrail with minimum 2" High profile sides. Attach to pilasters with Anti -Theft Through bolts.
 4. Panel anchors: Continuous extruded aluminum U-channel for full height of panel, anchored to wall with concealed stainless steel fasteners. Panels shall anchor to bracket with stainless steel sex-nut through bolts, with tamper-proof heads.
 5. Urinal screen anchors:
 - a. To wall: One full length double ear bracket, fastened with 8 wall fasteners.
 - b. To pilasters: Continuous U-channel.
 - c. To floor: Same as toilet compartment pilasters. Conceal floor anchors with shoe matching toilet compartment pilasters.
 6. Door hardware: Manufacturer's heavy-duty hardware suitable for institutional projects. Hardware at wheelchair-accessible and dependent persons use compartments shall comply with California Building Code (CBC) Chapter 11B, Section 1115B.7 Toilet Facilities.
 - a. Provide manufacturer's 54" spring loaded continuous 16 gauge stainless steel, 6 ea. hospital tips springs per hinge, rounded corners bolted to doors and pilasters with stainless steel torx head #14 3/4" screws.

- b. Provide manufacturer's heavy duty door strike, keeper and latch of extruded aluminum construction. At wheelchair-accessible and dependent persons-use compartments, provide slide-bolt type latch with U-shaped handle and provide U-shaped door pull at each side of door, located below latch. Mount latch at between +30 inches and +44 inches above finished floor.
- c. At typical compartments, provide each door with one door bumper, without coat hook.
- d. At wheelchair-accessible and dependent persons-use compartments, provide door with one door bumper and provide separate coat hook mounted +48 inches above finished floor.

G. Fasteners for Partitions Assembly:

- 1. Fasteners, general: Provide stainless steel, tamper-proof fasteners throughout. Molly-type fasteners, toggle bolts and other hollow wall anchors will not be accepted. See general requirements for fasteners specified in Section 05 05 23 – Metal Fastenings.
- 2. Concealed fasteners: Stainless steel.
- 3. Exposed fasteners: Stainless steel.

PART 3 - EXECUTION - NOT USED

END OF SECTION

10 21 23 – CUBICLE CURTAINS AND TRACK

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Cubicle Tracks.
- B. Cubicle and Shower Curtains.

PART 2 - PRODUCTS

2.1 CUBICLE TRACKS

- A. Specified Manufacturer: O.B. Masco Kirsh (800/528-1407).
- B. Acceptable Manufacturers: Equivalent products by manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. ADC Hospital Equipment, Division of Automatic Devices Company,
 - 2. Creative Healthcare Products Inc.,
 - 3. General Cubicle Company Inc.,
- C. Extruded-Aluminum Track: Ceiling mounted, Model No. 7900 series, extruded 6063-T5 aluminum, 1-3/8 inches by 3/4-inch with 0.050-inch minimum wall thickness.
 - 1. Track units: Provide track in continuous lengths except at points where straight track intersects with curved track. Scribe track at joints shall to fit.
 - 2. Curved track: Factory fabricated radius bends, minimum 14-inch radius, without deformation of track section or impeding movement of carriers.
 - 3. Finish: Satin anodized aluminum.
- D. Track Accessories: Fabricate splices, end caps, connectors, end stops, coupling and joining sleeves, wall flanges, brackets, ceiling clips, and other accessories from same material and with same finish as track.
 - 1. Track ends: Positive stop to fit track extrusion.
 - 2. End Stop: Non-removable.
 - 3. Safety loading unit: Detachable hinge and lock unit, factory assembled on 60-inch section of manufacturer's extruded-aluminum track.

- 4. Locking switch unit: Spring action shuttle and coupling device for rerouting and securing cubicle curtain, with pull chain for switching track.
 - E. Curtain Carriers: Model No. 7918/061, four carriers per lineal foot of track.
 - 1. Carrier assemblies: Delrin body, self-lubricating noiseless nylon wheels with aluminum hook.
 - 2. Drop chain: 20 inches long, on each carrier.
 - F. Exposed Fasteners: Stainless steel.
 - G. Concealed Fasteners: Stainless steel.
- 2.2 CUBICLE CURTAINS AND SHOWER CURTAINS
- A. Specified Manufacturer: Carnegie, Rockville Centre, NY (800/727-6770).
 - B. Acceptable Manufacturers: Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - C. Curtains and Shower Curtains, General: Fabricated from fabrics as indicated on the Drawings. Refer to Interior Design Drawings ID-0 through ID-0.2.
 - 1. Grommets: Stainless steel or chrome plated brass, spaced no more than 6 inches apart, machined to top hem of mesh top.
 - 2. Curtain tie back: Nickel-plated brass chain, one at each end of curtain.
 - D. Cubicle Curtains: Equal to floor-to-ceiling height, with 18-inch mesh top, and minus 16 inches above finished floor at bottom
 - 1. Mesh top: Mesh design complying with Office of Statewide Health Planning and Design (OSHPD) requirements, top hem 1-1/2 inches wide, triple thickness, reinforced with integral web, and double lock stitched. Double lock stitch bottom of mesh directly to triple thickness top hem of curtain fabric.
 - 2. Top hem: 1-1/2 inches wide, triple thickness, reinforced with integral web and double lock stitched.
 - 3. Bottom hem: 1-1/2 inches wide, double thickness and double lock stitched.
 - 4. Vertical seams: 1/2-inch wide, double turned and double stitched.
 - 5. Horizontal seams: Not acceptable.
 - E. Shower Curtains: Equal to floor to ceiling height, minus 6 inches above finished floor at bottom.
 - 1. Top hem: Not less than 1 inch and not more than 1-1/2 inches wide, triple thickness, reinforced with integral web, and double lock stitched.
 - 2. Bottom hem: Not less than 1 inch and not more than 1-1/2 inches wide, double thickness and double lock stitched.
 - 3. Vertical seams: Not acceptable.
 - 4. Horizontal seams: Not acceptable.
 - F. Shower Curtain Liners: At all shower curtains, provide separate clear PVC liner.

G. Shower Curtain Rods: As specified in Section 10 28 13 - Toilet Accessories.

PART 3 - EXECUTION - NOT USED

END OF SECTION

10 22 39 – FOLDING PANEL PARTITIONS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Manually-operated flat panel partition systems (operable walls), with panels, tracks, supports, gasket accessories, hardware, and similar related items.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Hufcor-Airwall, Inc., Paramount, CA (310/634-3116).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Advanced Equipment Corporation, Fullerton, CA (714/635-5350).
 - 2. Modernfold, Inc., New Castle, IN (765/529-1450 or 800/869-9685).

2.2 OPERABLE PARTITIONS

- A. Operable Partition: Hufcor Model 6903M, top-supported, manually-operated, continuous-hinged panels, on continuous aluminum track, with retractable top and floor seals, anodized finish on exposed framing and trim, custom fabric facing on panels. No floor track shall be necessary.
- B. Panel Construction: Hufcor 6000 Series, one-piece welded construction with no vertical trim when partition is in extended position.
 - 1. Panel thickness: Approximately 3 inches.
 - 2. Panel weight: Approximately 8.5 psf.
 - 3. Acoustical rating: STC 51.
 - 4. Partition Size: As indicated on the Drawings.
 - 5. Faces and frame: Minimum 16 gauge steel faces fusion welded to 16 gauge steel channel perimeter frame and 14 gauge top rail, with 16 gauge internal steel stiffeners.
 - a. Acoustical insulation: Glass fiber.

- b. Panel perimeter: Approximately 0.125-inch thick aluminum, incorporating protective edge and forming tongue-and-groove meeting joint between panels.
 - c. Top and side seals: Multi-finger, fixed-variable top seals and panel intersection seals, formed from flexible PVC.
 - d. Bottom seals: Retractable, spring-loaded, internally guided, with travel range of approximately 2 inches and capable of acting as locking mechanism to fix panel in any desired location. Bottom seal system shall be self-contained in each panel with no visible mechanism or fastener on panel face. Bottom seals shall operate by a waist-high lever pivoted lever handle on trailing edge of panel.
- C. Panel Support System and Track: Hufcor Type 36 aluminum alloy track with running surfaces and panel guides, with ceiling trim and accessories as indicated on the Drawings.
 - 1. Track brackets shall interlock top flange and attach to structural support with pairs of 1/2-inch diameter threaded rods.
 - 2. Brackets shall be spaced for maximum track deflection of 0.09-inch due to applied trolley loads, with brackets at stacking area not to exceed 12 inches on center.
 - 3. Track shall utilize minimum 12-inch radius turns at all changes in track direction, for ease of operation and to prevent impacts at turns.
 - 4. Exposed track and trim shall be clear satin anodized aluminum.
 - 5. Each panel shall have two wheeled trolley assemblies running on overhead track.
 - 6. Each panel shall be attached to trolley assembly with minimum 5/8-inch diameter adjustable pendant bolt. Pendant bolt shall attach to panel through steel plate mounted internally with panel frame. Individual trolley capacity shall be not less than 800 pounds.
 - 7. Each trolley assembly shall have two horizontal counter-rotating wheels with ball bearings and thrust-type roller bearings, shielded and prelubricated. Wheels shall be independently replaceable.
 - 8. Pocket closure doors: Doors shall close opening, including pocket, when extracted or extended. Finish closure doors to match operable partition.
- D. Acoustical Performance: Tested by independent acoustical laboratory in accordance with ASTM E90, minimum Sound Transmission Class (STC) rating of 51 (laboratory test), minimum Noise Reduction Coefficient (NRC) of 0.65 and minimum NIC rating of 42.

PART 3 - EXECUTION – NOT USED

END OF SECTION

10 28 00 – TOILET ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Toilet and shower room accessories: Dispensers, grab bars, mirrors, shelves and other accessories not indicated on the Drawings as Owner-Furnished/Contractor-Installed (OFCI).
- B. Custodial room accessories not indicated on the Drawings as OFCI.
- C. Installation of toilet and custodial room accessories indicated on the Drawings as OFCI.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Bobrick Washroom Equipment, Inc., North Hollywood, CA (818/764-1000; local representative, Renco Sales, Inc., Corona, CA 92882-6929, 909/371-8848).
- B. Acceptable Manufacturer: None identified. Equivalent products will be acceptable in accordance with the "or equal" provision of the General Conditions. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
- C. NOTE: ASI PRODUCTS ARE NOT ACCEPTABLE DUE TO HIGH FAILURE RATE.

2.2 TOILET ROOM AND SHOWER ACCESSORIES

- A. Toilet Room and Shower Accessories, General: Bobrick stainless steel accessories as scheduled and noted on the Drawings.
 - 1. Accessibility compliance: Limit projection of a surface- or semi-surface mounted accessory from encroaching more than three inches from the face of the wall or partition, and no closer than one and one-half inches to the tangent point of the grab bar.
 - 2. Manufacturer and product identification: Embossed, stamped nomenclature or labels on exposed faces of units will not be accepted.
- B. Finish: Bright polished stainless steel and chrome plating, unless otherwise noted.
- C. Locks: Keyed (tumbler lock) accessories shall be keyed alike with the exception of coin receiving boxes on vending equipment.

- D. Grab Bars: Bobrick Series as scheduled and noted on the Drawings, 1-1/2 inches o.d., 18 gauge Type 304 stainless steel tubing, 1-1/2 inches clear between grab bar and mounting surface, concealed mounting with 3-inch diameter flange secured with 4 set screws.
 - 1. Provide peened, non-slip gripping surface.
 - 2. Provide grab bars in configurations indicated on the Drawings.
- 2.3 CUSTODIAL ROOM ACCESSORIES
 - A. Custodial Room Accessories: Bobrick stainless steel accessories as scheduled and noted on the Drawings.
 - B. Finish: Brushed stainless steel and satin chrome plating, unless otherwise indicated.
- 2.4 METAL-FRAMED MIRRORS
 - A. Metal Framed Mirrors: Bobrick framed mirror and framed mirror/shelf combination, series as scheduled and noted on Drawings, heavy stainless steel framed, factory-assembled mirrors, with galvanized steel wall hanger assembly.
 - B. Sizes: As scheduled and indicated on Drawings.
 - C. Metal Finish: Bright polished stainless steel, unless otherwise indicated.
 - D. Mirror Glass: ASTM C1036, Type I, Class 1 mirror glass, 1/4-inch thick, with electrolytically deposited copper plating for corrosion protection.
- 2.5 WARM AIR DRYERS
 - A. Specified Manufacture: World Dryer Corp. 5700 McDermott Drive, Berkeley, IL 60163, 800.323.0701
 - B. Acceptable Manufacturer: None identified. Equivalent products will be acceptable in accordance with the "or equal" provision of the General Conditions. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - C. Warm Air Dryers:
 - 1. Recessed Push button World Dryer Model: RA
 - 2. Recessed Touch Free World Dryer Model: XRA – ADA compliant
 - 3. Flush Mount Touch Free SLIMdri Model: L-974 – ADA Compliant

PART 3 - EXECUTION – NOT USED

END OF SECTION

10 44 00 – FIRE PROTECTION SPECIALTIES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Bracket-mounted fire extinguishers.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Samson Products, Inc., Pico Rivera, CA, (affiliated with JL Industries; 310/801-6226).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Larsen's Manufacturing Co., Minneapolis, MN (612/571-1181).
 - 2. Potter-Roemer Tri-Star, Inc., Santa Ana, CA (714/430-5300).

2.2 FIRE EXTINGUISHERS

- A. Fire Extinguishers, General: Provide one extinguisher at each cabinet location and at other locations indicated on the Drawings, of type specified following, fully serviced and tagged. Fire extinguishers shall comply with requirements of California State Fire Marshal and of fire authority (local Fire Marshal) having jurisdiction.
- B. Dry Chemical Extinguishers: JL Cosmic 10E, multi-purpose dry chemical, nominal 10 pounds capacity, UL Rating 4A-60BC, fully serviced and tagged.
- C. Carbon Dioxide Fire Extinguishers: For installation on brackets, in electrical rooms and other locations where indicated, JL Sentinel 10, liquid carbon dioxide under pressure, nominal capacity 10 pounds, UL Rating 10BC.
- D. Brackets: Provide bracket by fire extinguisher manufacturer to suit fire extinguisher model.
 - 1. For dry chemical fire extinguishers: JL Mark Bracket MB 808.
 - 2. For carbon dioxide fire extinguishers: JL MB 864.

PART 3 - EXECUTION – NOT USED

END OF SECTION

10 51 13 – METAL LOCKERS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Metal wardrobe lockers.
- B. Locker room benches.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Sheet Steel: Mild cold-rolled and leveled furniture steel, free from buckle, scale, and surface imperfections.
- B. Fasteners: Cadmium, zinc, or nickel-plated steel; exposed bolt heads, slotless type; self-locking nuts or lock washers for nuts on moving parts.
- C. Equipment: Hooks and hang rods of cadmium-plated or zinc-plated steel.

2.2 MANUFACTURER

- A. Specified Manufacturer: Republic Storage Systems Co., Inc., Canton, OH (800/477-1255).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Lyon Metal Products, Inc., Aurora, IL (708/892-8941 or 800/323-0096).
 - 2. DeBourgh-Worley Mfg Co 27505 Otero Ave, PO Box 981, La Junta, CO 81050 (800) 328-8829
 - 3. Republic Storage Systems, 1038 Belden Ave. Canton, OH 44705 800.477.1255

2.3 PHYSICAL EDUCATION DRESSING LOCKERS

- A. Physical Education Dressing Lockers: For Boys and Girls P.E. Dressing Rooms, Standard Lockers as manufactured by Republic Storage Systems, Co., Inc.
 - 1. Box lockers: 12 inches wide by 15 inches deep by 12 inches high.
 - 2. Wardrobe lockers: 12 inches wide by 15 inches deep by 36 inches high.

3. Configuration: In banks as indicated on the Drawings, with alternating rows of five-high box lockers and rows of one wardrobe locker over two box lockers.
- B. Locker Construction: Built on unit principle, each locker shall have individual door and frame, individual top, bottom and back, with common intermediate uprights separating units. Double-face lockers shall have common backs.
 1. Form body panels, doors, shelves, and accessories from one-piece steel sheet, unless otherwise indicated.
 2. Provide fasteners, filler plates, supports, clips, and closures as required for a complete installation.
 3. Assembly fasteners shall be zinc plated, low round head, slotless, fin neck machine screws with hex nuts.
 4. Bolt and rivet heads shall not be exposed on faces of doors and frames.
- C. Locker Body: upright sheets, backs, tops, bottoms, doors, and shelves are to be 16 gauge, assembled by riveting or bolting body components together.
 1. Tops, bottoms and shelves: Flanged on all four sides.
 2. Backs: Flanged on two sides.
 3. Uprights: Offset at front and flanged at rear to provide double lapped rear corner.
 4. Fasteners: All bolts and nuts shall be zinc plated.
- D. Locker Base: None. Lockers shall be set on concrete base as indicated on the Drawings.
- E. Door Frames: 16 gauge steel formed into 1 inch wide face channel shapes with continuous vertical door strike integral with frame on both sides of door opening.
- F. Doors: Formed from 16 gauge sheet steel.
 1. Wardrobe locker doors: Formed with full channel shape on lock side to fully conceal lock bar, channel formation on hinge side and right angle formation across top and bottom, with ventilation louvers top and bottom, quantity as standard with manufacturer, for door height.
 2. Box locker doors: Formed with right angle flanges on all four sides, with ventilation louvers in each door face, quantity as standard with manufacturer.
- G. Frame Hooks and Door Silencers: Frame hooks accepting latching shall be of heavy gauge steel, set close in and welded to door frame. Continuous vertical door strike shall protect frame hooks from door slam damage. Impact caused by door closing shall be absorbed by soft rubber silencer which is securely installed on each frame hook.
- H. Door Hinges: 2 inches high, 5-knuckle design, full-loop, tight-pin style, securely welded to frame and riveted to inside of door flange.
 1. Hinges shall be attached to door with two rivets.
 2. Each door shall have two hinges.
- I. Latching, Typical Lockers:
 1. Latching for box lockers: Doors shall be equipped with padlock hasp and stainless steel strike plate with integral handle pull. Padlocks are not included in Contract.

2. Latching for wardrobe lockers: Doors shall be equipped with one-piece, pre-lubricated spring steel latch, completely contained within lock bar under tension to provide rattle-free operation.
 - a. Lock bar shall be of pre-painted, double-channel steel construction held laterally in door channel by means of non-removable self-formed retainers pierced from door.
 - b. Latch shall provide two latching points and shall have provision for padlock. Padlocks are not included in Contract.
 - J. Accessible Lockers: For use by persons with disabilities (dependent persons), complying with requirements for accessibility and use in California Building Code (CBC) Chapter 11B, designated wardrobe lockers located on bottom tier as indicated on the Drawings or, if not indicated, as directed.
 1. Provide locker manufacturer's recessed lever handle assembly with two-point locking. Handle/latch mechanism shall not require twisting, pinching or grasping to operate.
 2. Provide designated wardrobe lockers with steel shelf located 9 inches above bottom of locker.
 3. Provide accessibility symbol on outside of door of designated lockers.
 - K. Wardrobe Locker Accessories: Each wardrobe locker shall have one double-prong back hook two single-prong wall hooks. Hooks shall be steel, formed with ball points, zinc-plated and attached with two bolts or rivets.
 - L. Accessories:
 1. Locker Tops: Continuous sloping tops, fabricated from 16 gauge sheet steel, approximately 20-degree pitch, with exposed ends hipped.
 2. Finished End Panels: To cover unused penetrations and fasteners, except for perimeter fasteners, fabricated from sheet steel, gauge as standard with manufacturer.
 3. Filler Panels: Fabricated from 16 gauge steel sheet.
 4. Fasteners: Conform to requirements for anchors and fasteners to building substrates as specified in Section 05 05 23 - Metal Fastenings.
 - M. Number Plates: Polished aluminum with black numerals not less than 1/2-inch high, attached to door face with two rivets. Provide numbering as directed by Owner.
 - N. Metal Finish: Match existing lockers.
- 2.4 TEAM LOCKERS
- A. Team Lockers: For Boys and Girls Team Rooms, Heavy Duty Ventilated Lockers as manufactured by Republic Storage Systems, Co., Inc.
 1. Double tier lockers: 18 inches wide by 15 inches deep by 36 inches high.
 2. Single tier lockers: 18 inches wide by 15 inches deep by 72 inches high.
 3. Configuration: In banks of tiers as indicated on the Drawings.
 - B. Locker Construction: Built on unit principle, each locker shall have individual door and frame, individual top, bottom, back and shelves, with common intermediate uprights separating units. Double face units shall have common backs.

1. Form body panels, doors, shelves, and accessories from one-piece steel sheet, unless otherwise indicated.
 2. Provide fasteners, filler plates, supports, clips, and closures as required for a complete installation.
 3. Assembly shall be by riveting or slotless zinc-plated bolts, with washer backup, to provide shake-proof permanent fastening while still permitting fastener removal by drilling to allow future rearrangement of lockers or replacement of damaged parts.
 4. Bolt and rivet heads shall not be exposed on faces of doors and frames.
- C. Locker Body: Cold-rolled sheet steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.
1. Side uprights: Formed 16 gauge steel, perforated with diamond-shaped openings 3/4-inch wide by 1-1/2 inches high for maximum ventilation.
 2. Backs: Formed from 18 gauge steel sheet with right angle flanges on each vertical side for stiffness, ease of assembly, and to provide corner rigidity.
 3. Tops, bottoms, shelves and compartment dividers: 16 gauge steel, fully-flanged on all sides for added stiffness. Shelves shall have an additional return flange on the front edge creating a channel shape to rigidize the impact surface.
- D. Locker Base: None. Lockers shall be set on concrete base as indicated on the Drawings.
- E. Door Frames: 16 gauge steel formed into 1 inch wide face channel shapes with continuous vertical door strike integral with frame on both sides of door opening. Cross frame members shall be 16 gauge channel shapes, including intermediate cross frame on double tier lockers, securely welded to vertical framing members to ensure rigidity.
- F. Doors: Formed from 14 gauge sheet steel on all four sides with face perforated for free air flow with small diamond perforations 7/16-inch wide by 15/16-inch high.
- G. Frame Hooks and Door Silencers: Frame hooks accepting latching shall be of heavy gauge steel, set close in and welded to door frame. Continuous vertical door strike shall protect frame hooks from door slam damage. Impact caused by door closing shall be absorbed by soft rubber silencer which is securely installed on each frame hook. Provide Latch Guard steel plate welded on each frame hook of tiered lockers.
- H. Door Hinges: 2 inches high, 5-knuckle design, full-loop, tight-pin style, securely welded to frame and riveted to inside of door flange.
1. Hinges shall be attached to door with two rivets.
 2. Doors 42 inches and less shall have two hinges.
 3. Doors over 42 inches shall have three hinges.
- I. Latching, Typical Lockers: Quiet latch design, one-piece, pre-lubricated spring steel latch, completely contained within lock bar under tension to provide rattle-free operation.
1. Lock bar shall be of pre-painted, double-channel steel construction held laterally in door channel by means of non-removable self-formed retainers pierced from door.
 2. Lock bar shall be securely contained in door channel by self-lubricating polyethylene guides that isolate lock bar from metal-to-metal contact with door.
 3. Lock bar travel shall be limited by resilient high-quality elastomeric cushioning devices concealed inside lock bar.

4. Latch for doors up to 42 inches high shall provide two latching points and shall have provision for padlock. Padlocks are not included in Contract.
 5. Latch for doors up to 42 inches high shall provide three latching points and shall have provision for padlock. Padlocks are not included in Contract.
 - J. Recessed Handle, Typical Lockers: Non-protruding 14 gauge steel lifting trigger and slide plate shall transfer lifting force for actuating lock bar when opening door.
 1. Exposed portion of lifting trigger shall be encased in molded ABS thermoplastic cover that provides isolation from metal-to-metal contact and shall be contained in formed 20 gauge stainless steel pocket.
 2. Stainless steel pocket shall also contain recessed area to contain padlock.
 - K. Accessible Lockers: For use by persons with disabilities (dependent persons), complying with requirements for accessibility and use in California Building Code (CBC) Chapter 11B, designated wardrobe lockers located on bottom tier as indicated on the Drawings or, if not indicated, as directed.
 1. Provide locker manufacturer's recessed lever handle assembly with two-point locking,. Handle/latch mechanism shall not require twisting, pinching or grasping to operate.
 2. Provide designated wardrobe lockers with steel shelf located 9 inches above bottom of locker.
 3. Provide designated wardrobe lockers with shelf and pole at 48 inches maximum above finish floor, where applicable.
 4. Provide accessibility symbol on outside of door of designated lockers.
 - L. Accessories:
 1. Locker Tops: Continuous sloping tops, fabricated from 16 gauge sheet steel, approximately 20-degree pitch, with exposed ends hipped.
 2. Finished End Panels: To cover unused penetrations and fasteners, except for perimeter fasteners, fabricated from sheet steel, gauge as standard with manufacturer.
 3. Filler Panels: Fabricated from 16 gauge steel sheet.
 - M. Number Plates: Polished aluminum with black numerals not less than 1/2-inch high, attached to door face with two rivets. Provide numbering as directed by Owner.
 - N. Finishing: Chemically pretreat metal with degreasing and phosphatizing process. Electrostatically apply thermosetting enamel finish to all exposed and concealed surfaces except number plates, latches and nonferrous metal. Match colors of existing lockers.
 - O. Accessories: Lockers shall be anchored to base (floor) and walls. Coordinate backing requirements with framing and backing specified in Section 06 11 11 - Wood Backing, Blocking and Curbing and Section 09 22 16 - Non-Structural Metal Framing.
- 2.5 LOCKER ROOM BENCHES
- A. Bench Tops: Manufacturer's standard 1-piece units, with rounded corners and edges, extruded aluminum with clear anodic finish, 1-1/4 inches thick.
 1. Typical benches: Minimum 9-1/2 inches wide by length indicated on the Drawings.

- 2. Benches at accessible lockers: Minimum 24 inches wide by minimum 48 inches long. See Drawings for length.
- B. Bench Pedestals: Manufacturer's standard heavy-duty pedestal with top flange and post, for grouted floor anchorage. Apply manufacturer's standard baked-enamel finish to pedestals, to match lockers.
- C. Grout: Non-shrink, non-metallic anchoring grout as specified in Section 05 05 23 – Metal Fastenings.

PART 3 - EXECUTION – NOT USED

END OF SECTION

10 51 14 – METAL LOCKER REFURBISHMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Preparation and repainting of existing steel lockers.
- B. Preparation and repainting of locker room bench supports.
- C. New locker room wood benches with metal supports.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified manufacturer: International Protective Coatings Corp., Hatfield, PA (215/362-9020 or 800/334-8796; distributed by Dunn-Edwards Corp., Los Angeles, CA, 213/771-3330 or 800/372-6470).
- B. Acceptable manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Ameron Protective Coatings, Brea, CA (714/529-1951 or 800/344-0025).
 - 2. Carboline Company, St. Louis, MO (800/848-4645).
 - 3. Tnemec Company, Inc., Kansas City, MO (local representative, TPC Consultants, Inc., Manhattan Beach, CA, 310/643-5191).

2.2 PAINT PRODUCTS

- A. Paints and Coatings, General: Comply with applicable regulations of South Coast Air Quality Management District (AQMD) for volatile organic compounds (VOCs).
- B. Primer Paint: Intergard 270 Water Borne Epoxy, two-component, fast drying, water borne, anti-corrosive epoxy primer, pigmented with zinc phosphate.
- C. Finish Paint: Intergard 735 Water Borne Epoxy, two-component, low VOC, water borne epoxy high-gloss finish.
 - 1. Colors: As indicated on the Drawings or, if not indicated, as directed by Architect. Allow for custom colors and distinct colors in each room or space.
 - 2. Color combinations: Single color per room or space.

- D. Metal Filler: Automotive type body filler, with primer/filler as necessary to achieve smooth, blemish-free surface.
 - E. Locker Components: Provide replacement locker components, including hinges, latch assemblies and hooks to match existing.
 - 1. Fabricate and install new metal shelf at each locker designated as "accessible." See Drawings for locations. Shelf shall be located in bottom tier locker, 9 inches above bottom of locker.
 - 2. Provide new locker door at each accessible locker, with new recessed lever handle assembly with two-point locking, complying with CBC Chapter 11B. Handle/latch mechanism will not require twisting, pinching or grasping to operate. Door face shall match adjacent lockers.
 - 3. Provide new decal of accessibility symbol on outside of door after painting.
- 2.3 LOCKER ROOM BENCHES
- A. New Locker Room Benches: As specified in Section 10 51 13 - Metal Lockers.
 - B. New Bench Pedestals: As specified in Section 10 51 13 - Metal Lockers.
 - C. Existing Bench Pedestals: Intended to remain in place and be refinished. Prepare surfaces and prime and finish paint existing bench pedestals to match refinished lockers.

PART 3 - EXECUTION

3.1 LOCKER PREPARATION

- A. Component Replacement:
 - 1. Remove all latch assemblies, inspect and clean. Repair existing latch assemblies to like-new function. Clean and polish exposed surfaces to like-new condition. Provide new, matching latch assemblies where existing latch assemblies cannot be restore to like-new function and appearance.
 - 2. Where doors and panels cannot be repaired, provide new doors and panels, including patch panels in locker bottoms and sides.
 - 3. Remove existing number plates and either refinish to like-new condition or provide new, matching number plates. Color on number plates shall be as directed by Architect.
 - 4. Replace all loose, missing and damaged fasteners with new fasteners of galvanized steel or stainless steel. Exposed fasteners shall be tamper-resistant. Use pop-rivets where feasible.
 - 5. Metal Preparation: Prepare exterior and interior of existing lockers, including side, top and end closures, panels and trim.
 - 6. Clean all surfaces of soiling and other contaminants. Degrease surfaces according to SSPC-SP 1.
 - 7. Clean all metal surfaces, removing all rust, staining and scale. Comply with SSPC-SP 2 or SSPC-SP 3 typically and SSPC-SP 11 where bare metal is exposed.

8. Repair all dented and warped panels and doors. Hammer out dents and fill remaining depressions and all pitting with body filler putty not more than 1/32-inch deep.
9. Where doors and panels cannot be repaired, provide new doors and patch panels.
10. Spot fill, sand and prime surfaces where existing paint is removed, feathering to existing remaining paint.
11. Sand all surfaces, using progressively finer sandpaper to achieve surface suitable for specified primer.
12. Immediately spot prime all bare metal.

3.2 PAINTING

- A. Painting Preparation: Mask and cover all adjacent surfaces. Seal all air ductwork and cover all light fixtures. Provide slip-resistant floor coverings. Seal door and window openings to prevent spread of odors and overspray.
 - B. Primer and Paint Application, General:
 1. Comply with paint manufacturer's instructions and recommendations for mixing, handling and application.
 2. Mechanically mix all paint. Comply with manufacturer's mixing and waiting times. Do not exceed pot life of paint before application, at multi-component coatings.
 3. Spray apply primer and paint, using low-pressure cup gun. High-pressure spray equipment shall not be used.
 - C. Surface Cleaning: Wipe down all surfaces with suitable solvent and clean rags, to dust-free condition prior to primer and finish paint applications.
 - D. Primer Application: Apply to prepared surfaces in compliance with manufacturer's instructions and recommendations, for not less than dry-film thickness (DFT) of 3.0 mils (75 microns).
- 3.3 Finish Paint Application: After curing of primer coat, apply two finish coats to prepared surfaces in compliance with manufacturer's instructions and recommendations, for not less dry-film thickness (DFT) of 2.0 to 3.0 mils (50 to 75 microns) per coat.

3.4 COMPONENT REPLACEMENT

- A. Component Replacements, General Provide new components where existing components are missing or damaged beyond repair to like-new condition. Replaced components shall be entirely compatible with existing locker units and shall match existing metal gauges, finishes, fastenings and action.
- B. Latch Assemblies: Reinstall refurbished existing latch assemblies and install new latch assemblies where necessary.
- C. Number Plates: Reinstall refurbished existing number plates and install new number plates where necessary.

3.5 LOCKER ROOM BENCHES INSTALLATION

- A. New Locker Room Benches Installation: As specified in Section 10 51 13 - Metal Lockers.

B. Existing Locker Room Benches Refinishing:

1. Strip, fill and sand existing wood benches as specified in Section 09 90 00 – Painting and Coating, using clear urethane finish as specified for wood flooring.
2. Reinstall existing benches using new fasteners. Fasteners shall be galvanized steel or stainless steel and shall be tamper-resistant.
3. Install new bench tops on existing pedestals, as specified in Section 10 51 13 - Metal Lockers. Provide new pedestals where existing pedestals are beyond satisfactory repair. Remove existing pedestals.

3.6 CLEANING AND PROTECTION

- A. Initial Cleaning: Remove all labels and protective coverings from completed installation. Clean surfaces of adhesives and soiling.
- B. Adjustments: Upon completion of installation, inspect lockers and adjust as necessary for proper door and locking mechanism operation. Touch up scratches and abrasions to match original finish. If touch-ups that are determined to be unsatisfactory by Architect, replace components with matching new components.
- C. Protection: Provide protective covers over completed installation until cleaning for Substantial Completion review, to prevent soiling and marring.
- D. Final Cleaning: Clean lockers, inside and out to dust free condition at time of Substantial Completion review.

END OF SECTION

10 56 13 – METAL STORAGE SHELVING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Fixed, metal storage shelving for storerooms.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Penco Products, Inc., Oaks, PA (800/562-1000).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Lyon Metal Products, LLC, Aurora, IL (630/892-2232 or 800/323-0096).
 - 2. Republic Storage Systems Co., Canton, OH (30/438-5800 or 800/477-1255).
 - 3. Richards-Wilcox, Aurora, IL (630/897-6951 or 800/253-5668).

2.2 METAL STORAGE SHELVING

- A. Modular Steel Storage Shelving: Provide medium-duty rated, open shelving units consisting of four upright corner pilasters, slotted to receive clips clipped together with shelves as indicated. Provide cross-braces laterally and at ends as required for stability with intended load. Shelves adjustable 1-1/2 inches on center.
 - 1. Shelving unit size: Provide 36 inches wide by 84 inches high units, with 5 shelves, unless otherwise indicated on Drawings.
 - 2. Standard Upright Assembly: Provide complete unit equipped with four uprights; shelves and top designed to stand independently.
 - 3. Starter/Adder Assembly: Provide first unit of each bank with four uprights; shelves and top to stand independently. Provide each succeeding unit with two uprights; shelves and top to allow attachment to preceding unit. Provide one upright assembly at the end of each bank.
- B. Finish Color: As indicated on the Drawings or, if not indicated, as selected by Architect from manufacturer's standard production colors.

PART 3 - EXECUTION- NOT USED

END OF SECTION

10 75 00 – FLAGPOLES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Metal groundset flagpoles.
- B. Flagpole fittings and accessories.
- C. Setting sleeves.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: American Flagpole, a Division of Kearney-National, Inc., Abington, VA (276/628-4188 or 800/368-7171).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Baartol Company, Inc., Kenton, OH (419/673-0753 or 800/537-4143).
 - 2. Concord Industries, Inc., Addison, TX (214/380-8186).
 - 3. EMC Flagpoles, Division of Eder Manufacturing Corporation, Milwaukee, WI (414/355-2010 or 800/558-9620).
 - 4. Morgan-Francis Flagpoles, Division of Original Tractor Cab Co., Inc., Arlington, IN.
- C. Aluminum Flagpole: American Flagpole Catalog No. ESR30D61-AB, one piece groundset design, with shaft of conical tapered aluminum, for 30 feet exposed height and single external revolving halyard.
 - 1. Flagpole height: 30 feet nominal maximum. If there is a conflict between the drawings and specifications the contractor must verify the required height with the Architect or District Representative. Written approval from the Maintenance Department is required for flagpoles that exceed 30 feet in height.
 - 2. Fabricate pole from seamless, extruded aluminum tubing complying with ASTM B 221, alloy 6063-T6, having tensile strength not less than 30,000 psi with yield point of 25,000 psi.
 - 3. Heat-treat and age-harden pole after fabrication, in compliance with ASTM B 597, temper T6.

4. Provide cone-tapered flagpoles, per manufacturer's standard rate of taper.
 5. Provide 6-inch minimum butt diameter and 0.1875-inch minimum base wall thickness.
 - D. Pole (Shaft) Finish: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes. Provide Aluminum Association color anodized finish AA M32-C22-A42, Light Bronze (#311).
 - E. Finial Ball: Manufacturer's standard flush seam ball, sized as indicated or, if not indicated, to match pole butt diameter, 0.063-inch (1.6-mm) spun aluminum with gold anodized finish.
 - F. Halyard: External type, ball-bearing, nonfouling, revolving truck assembly of cast metal with continuous 5/16-inch (8-mm) diameter, braided polypropylene halyard and 9-inch (228-mm) cast-metal cleats with fasteners.
 1. Provide one halyard and one 9-inch cast metal cleat at each flagpole.
 2. Provide cast-metal cleat covers, finished to match flagpole, secured with cylinder locks.
 3. Finish exposed metal surfaces to match flagpole.
 - G. Halyard Flag Snaps: Provide two bronze swivel snap hooks per halyard. Include neoprene or vinyl covers on snaps.
 - H. Flagpole Mounting: Manufacturer's standard base system for the type of flagpole installation required.
 1. Provide Fiberglass foundation sleeve, made to fit flagpole, for casting into concrete foundation.
 2. Provide grounding protection for flagpole.
 3. Provide flashing collar of same material and finish as flagpole.
- 2.2 CONCRETE MATERIALS
- A. Pole Base Reinforcement: As indicated on the Drawings and as specified in Section 03 20 00 – Concrete Reinforcing.
 - B. Concrete for Pole Foundations: As specified in Section 03 30 00 – Cast-in-Place Concrete, with minimum 3000 psi compressive strength at 28 days.
 - C. Curing Materials: Use products and procedures as specified in Section 03 30 00 – Cast-in-Place Concrete
- 2.3 FLAGS
- A. Flags for Flagpole: Nylon, provide one each, size 5' by 8', of United States and State of California.
- 2.4 FABRICATION
- A. Fabrication, General: Provide each flagpole as a complete unit fabricated by a single manufacturer, including base, anchorage devices, fittings, and accessories as necessary for proper installation.
 1. Fabricate flagpole and ship to site in one piece if possible.

2. If more than one piece is required, provide self-aligning internal sleeve composed of metal compatible with shaft metal.
 3. Fabricate sleeve and shaft to provide snug-fitting, weathertight, hairline field joint.
- B. Flagpole Diameter and Wall Thickness: Wall thickness of shaft and ratio of top diameter to butt diameter shall be appropriate for metal or alloy used and for length of flagpole.
- C. Flagpole Length: Provide flagpole of sufficient overall length to allow setting depth which is not less than 10 percent of exposed length.
- D. Joints and Seams: Form joints and seams which are inconspicuous. Grind exposed welds smooth. Finish welds to match flagpole shaft.

PART 3 - EXECUTION- NOT USED

END OF SECTION

DIVISION 11 – EQUIPMENT

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements

11 30 13 – RESIDENTIAL APPLIANCES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Residential-grade kitchen appliances.

PART 2 - A PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturers:
 - 1. General Electric Company (GE), Louisville, KY (800/626-2000).
 - 2. Broan-Nutone LLC, Hartford, WI (800/558-1711).
 - 3. ASKO, Inc., Richardson, TX (972/644-8595).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Amana Refrigeration, Inc., Amana, IA (319/622-5511 or 800/843-0304).
 - 2. Whirlpool Corp., Benton Harbor, MI (616/926-5000).
 - 3. Sears Contract Sales (Kenmore brand), Hoffman Estates, IL (708/286-2994).

2.2 RESIDENTIAL KITCHEN EQUIPMENT

- A. Side-by-Side Refrigerator/Freezer: GE Profile Arctica, model no. PSS29NHMWW, 28.7 cubic feet capacity, white-on-white finish.
- B. Freestanding Gas Range: GE Spectra, model no. JGBP35WEAWW, 30 inches wide, white-on-white finish.
- C. Slide-In Gas Range: GE Profile, model no. JGSP44WEYWW, 30 inches wide, white-on-white finish.
- D. Freestanding Electric Range with Convection Oven: GE Profile Spectra, model no. JBP95TFWW, 30 inches wide, white finish.
- E. Slide-In Electric Range: GE Profile, model no. JSP57WFWW, 30 inches wide, white-on-white finish.

- F. Under-Cabinet Rangehood: Broan model no. QT230WW, nominal 30 inches wide, 200 cfm vertical discharge fan, low noise design, variable speed control, ducted design, removable filters, two 40-watt lamps, white finish. Provide ducted roof penetration and hood, in compliance with requirements specified in Division 23 - Mechanical for complete, weathertight installation.
- G. Island Rangehood: Broan model no. 637004, 39-3/8 inches wide, 900 cfm centrifugal blower, free-hanging design, stainless steel construction, seamless corners, concealed three-speed control, four 20 watt halogen lamps, telescoping flue to suit ceiling condition, removable stainless steel grease filters and flue with extension cover to suit installation conditions. Provide ducted roof penetration and hood, in compliance with requirements specified in Division 23 - Mechanical for complete, weathertight installation.
- H. Accessible Undercounter Dishwasher: ASKO Model D1716, suitable for installation under accessible countertop height, quiet design, seven wash programs, six-way wash system, two wash water temperatures, white with trim package to allow plastic laminate insert to match adjacent millwork.
- I. Garbage Disposer: 3/4 hp.

PART 3 - EXECUTION – NOT USED

END OF SECTION

11 40 00 – FOOD SERVICE EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Food storage, preparation, serving and reprocessing equipment, as scheduled and indicated on Drawings.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Stainless Steel: AISI Type 304, No. 4 polished finish at exposed surfaces. Provide non-magnetic sheets, free of buckles, waves, and surface imperfections.
- B. Galvanized Sheet Steel: ASTM A526, except ASTM A527 for extensive forming; ASTM A525, G90 zinc coating, chemical treatment.
- C. Sheet Steel: ASTM A569 hot-rolled carbon steel.
- D. Stainless Steel Tube: ASTM A554, Type 304 with No. 4 polished finish.
- E. Aluminum: ASTM B209 sheet and plate, ASTM B221 extrusions, 0.40-mil clear anodized finish where exposed, unless otherwise indicated.
- F. White Metal: Corrosion-resistant metal containing not less than 21 percent nickel. Make castings free from pit marks, runs, checks, burrs, and other imperfections; rough grind, polish, and buff to bright luster.
 - 1. In lieu of white metal castings, 18-8 stainless steel die-cast or stamped may be used.
- G. Plastic Laminate: NEMA LD3, general-purpose high-pressure type, 0.05-inch thick except 0.042-inch thick for flatwork and post-forming, smooth texture, and color white unless otherwise indicated.
- H. Plastic Materials and Components: Except for plastic laminate, provide plastic materials and components that comply with NSF 51.
- I. Hardwood Work Surfaces: Laminated edge-grained hard maple (*Acer saccharum*), NHLA First Grade with knots, holes, and other blemishes culled out, kiln dried at 8 percent or less moisture, waterproof glue, machined, sanded, and finished with NSF-approved oil sealer.
- J. Sound Deadening: Heavy-bodied resinous coating, filled with granulated cork or other resilient material, compounded for permanent, non-flaking adhesion to metal in 1/8-inch-thick coating. Provide coating of sound deadening material at underside of tops, drainboards, dishtables, and sinks.

- K. Sealants: ASTM C920; Type S, Grade NS, Class 25, Use NT. Provide sealant that when fully cured and washed meets requirements of Food and Drug Administration Regulation 21 CFR 177.2600 for use in areas where sealant comes in contact with food.
 - 1. Color: Clear.
 - 2. Backer Rod: Closed-cell polyethylene rod stock, larger than joint width.
 - L. Gaskets: Solid or hollow (not cellular) neoprene or PVC; light gray, minimum 40 Shore A hardness, self-adhesive or prepared for either adhesive application or mechanical anchorage.
- 2.2 FOOD SERVICE EQUIPMENT
- A. Food Service Equipment:
 - 1. Provide food service equipment and other products as indicated on the Drawings. .
 - 2. Refer to Section 01 60 00 - Product Requirements for conditions for acceptance of products by other manufacturers and for substitutions. Unless specifically noted, no substitutions will be considered.
 - B. Connection Terminals: Provide equipment complete with connection terminals as standardized by equipment manufacturers for connections to plumbing, fuel gas, steam, ventilation, electrical, and refrigeration services as specified in Division 15- Mechanical, Division 16 - Electrical, as applicable. Provide quick-disconnect connections for equipment as specified.
- 2.3 ELECTRICAL PROVISIONS
- A. Electrical Requirements: Confirm available electrical services with requirements of food service equipment, such as actual voltages available, number of phases and number of wires in the system, before submitting product data and placing orders.
 - 1. Should requirements indicated on Drawings or in Specifications be of larger sizes or higher standards than are required by manufacturer or governing authorities having jurisdiction regulations, such as conductor sizes, comply with requirements indicated on Drawings and in Specifications shall govern.
 - 2. Should requirements indicated on Drawings and in Specifications be less than as required or recommended by manufacturer or required by governing authorities having jurisdiction, comply with requirements or recommendations of manufacturer and requirements of governing authorities having jurisdiction.
 - 3. All costs for compliance with requirements of manufacturer and governing authorities having jurisdiction shall be included in Contract Sum. Rulings and interpretations of Code enforcing agencies shall be included in such requirements.
 - B. Starters, Switches and Controls: Provide starters, motor controls, switches, remote controls, and transformers as necessary.
 - 1. All switches shall be located out of the heat zone. If ambient temperature will be above 100 degrees F, provide for adequate ventilation.
 - 2. Provide electrical controls, switches or other components being furnished loose by manufacturer. Each motor driven appliance or electrical heating unit shall have a heavy duty control switch, magnetic contractor or starter.

3. Provide starters for across-the-line start, with thermal overload protection and manual overload reset. Push button stations shall be mounted in starter covers, except where necessary for starters to be mounted in a remote location.
- C. Convenience and Power Outlets: Where indicated, provide cut-outs with appropriate outlet box and device built into fabricated food service equipment, with necessary conduit extended to junction box or pull box of building electrical system specified in Division 16 - Electrical. Provide outlets devices, cover plate, and service fittings as necessary.
 1. Outlets having different voltage for single purpose applications shall be of such design that plugs on various appliances cannot be plugged into incorrect outlets.
 2. Verify matching appliance plugs with outlets as indicated on Electrical Drawings and specified in Division 16 - Electrical, including replacement of cords and plugs if necessary.
 3. Electrical outlet devices shall be NEMA Specification Grade and manufactured by Hubbell, Square D, Bryant, General Electric, Pass and Seymour, Arrowhart or equal.
- D. Cords and Plugs: Provide UL-listed cords and plugs for stock manufactured and fabricated equipment.
 1. Cords: Rubber-covered, three-wire cord of appropriate current capacity and appropriate length to suit use.
 2. Plugs: Three-prong, ground type for appropriate NEMA configuration for electrical characteristics of equipment and serving outlet.
- E. Light Fixtures: Where light fixtures are indicated as integral with equipment, provide sockets, lamps and ballasts as appropriate. For fluorescent fixtures, provide DeLuxe Warm White lamps, unless otherwise indicated.
- F. Wiring:
 1. Exposed electrical conduit in wet area applications: Except for flexible connections, provide rigid galvanized steel conduit. Thin wall conduit (EMT) shall not be used for wet areas. Exposed outlet boxes shall be cadmium-plated, cast steel with threaded hubs.
 2. Exposed flexible steel conduit on kitchen equipment: Neoprene-jacket, Seal-Tite Flex conduit, Anaconda Type UA or equal, complete with approved liquid-tight contactors on each end, designed to provide electrical grounding continuity.
 3. Wiring for built-in strip heaters and immersion type elements: In heat zone, UL-listed insulation, not less than 300 volt rated, with listed nickel wire. Extend connection wiring in raceway or conduit to junction or pull box, with not less than 600-volt rated insulated wire.
 4. Wiring for fabricated refrigerator and freezer cabinets: Provide in conduit as necessary to run from exterior junction box to internal components, and as follows.
 - a. Internal wiring shall be UL-listed, rubber-covered 600-volt rated conductor, except for door heaters which shall be chrome wire with silicone braided jacket having resistance of 10.4 watts per lineal foot.
 - b. For freezer applications, provide wiring in rigid or flexible Seal-Tite Flex or approved equal EMT.

5. Outlets: Mount all convenience outlets, lighting receptacles (rubber or porcelain) and door switches approved boxes. Convenience outlets for evaporators shall be twist lock type. Solid connections for freezer evaporators shall be vapor tight.
6. Door switches: Hinge door type switches shall be Arrowhart No. 4039 or equal. For sliding doors, provide UL-listed toggle switches.
7. Heating element controls: For fabricated equipment, such as custom fabricated plate warmers, provide heating controls as follows.
 - a. Uninsulated cabinets with or without doors: 3-level switch.
 - b. Open front cabinets with or without insulation: Variable controller.
 - c. Insulated cabinets with doors: Thermostat.

G. Circuits and Rough-In:

1. Coordinate connections to building electrical service for each appliance or device built into fabricated equipment.
2. Permanent connections to building electrical service shall be made in accordance with requirements specified in Division 16 - Electrical and comply with California Electrical Code (CEC) (NFPA 70 - National Electric Code (NEC) with State of California Amendments).
3. Make connections only at junction box, by conductors in metallic conduit. Minimum size of junction boxes (unless otherwise indicated) shall be 4-11/16-inch square and 1-1/2 inches deep, with 1/2-inch and 3/4-inch knock outs.
4. Utility chase areas accommodating junction and pull boxes shall be a minimum of 18 inches square.
5. Coordinate exact locations, types and quantities of conductors and sealing of fittings with electrical Work specified in Division 16 - Electrical.
6. In cases where equipment is directly connected, provide a length of flexible metallic neoprene jacketed Seal-Tite conduit, Anaconda Type UA or equal, from the junction box. Make input connection as short as possible, not exceeding 36 inches, and complete with approved liquid-tight connectors.
7. Provide proper and complete grounding of all metallic food service equipment.
8. Final connections of equipment to junction box and all electric Work from panel board shall be as specified in Division 16 - Electrical.

H. Internal Wiring of Fixtures and Equipment: If the design of a specific fixture calls for internal wiring of components, comply with the following.

1. Obtain and pay for all permits and fees for inspection and approval of electrical Work built into fabricated fixtures and equipment, for which a permit is required. Proof of inspection shall be attached to, and visible on, fixture.
2. Provide all internal wiring built into or forming an integral part of unit of food service fixtures and equipment completely wired to junction built into equipment, ready for final connection to building electrical system as specified above.
3. All internal wiring of fixtures and equipment shall be performed by licensed electricians.

2.4 HEATING EQUIPMENT PROVISIONS

- A. Gas Heating Appliances: All gas-operated and -heated equipment shall conform to applicable American Gas Association (AGA) standards and all requirements of governing authorities having jurisdiction.
- B. Heating Equipment Controls: Wherever gas, electric, or steam heating equipment, or thermostatic controls for equipment are indicated or necessary, provide controls complete and of materials, size, or rating as required.
- C. Cleaning Provisions: Provide heating equipment readily removable for cleaning.

2.5 MANUFACTURED PRODUCTS

- A. Manufactured Products, General: Comply with the following unless otherwise indicated.
 - 1. Unless otherwise indicated, provide manufacturer's standard materials and equipment as scheduled or otherwise identified, complete with all necessary and recommended fittings, fixtures and accessories for intended use.
 - 2. Comply with all applicable rules and regulations pertaining to adequate protection and guarding of moving parts of otherwise hazardous equipment.
 - 3. Manufactured items shall conform to applicable standards published by the National Sanitation Foundation (NSF), Ann Arbor, Michigan and all applicable local and State health regulations.
 - 4. Electric-operated and -heated equipment shall conform to standards of the National Electric Manufacturers Association (NEMA) and be listed and labeled by Underwriters Laboratories, Inc. (UL).
 - 5. Gas-burning appliances shall be manufactured in compliance with applicable standards of the American Gas Association (AGA) and bear the AGA label. Burners for gas-heated equipment shall be equipped with automatic lighters. Oven burners and other concealed burners shall have automatic safety pilots.
 - 6. Provide pressure regulators for all gas equipment as recommended by manufacturer and to suit service pressures.
- B. Refrigerator Hardware: Heavy-duty die-cast zinc, chrome-plated and polished.
 - 1. Hinges: Edge mounted, self-closing type.
 - 2. Latches: Edge mounted, arranged for locking devices.
- C. Handles and Pulls: Provide stainless steel handles with No. 4 finish, or die-cast zinc with polished chrome-plated finish. Provide die-stamped stainless steel pulls, recessed rectangular type, with beveled edge frame.
- D. Hinges: Provide stainless steel hinges, continuous type or butt type as indicated.
- E. Locks: Manufacturer's standard brass 5-pin cabinet-type lock. Provide two keys for each lock, keyed separately.
- F. Lever Drains: Provide 2-inch, heavy cast-bronze body, removable flat stainless steel strainer, twist handle waste outlet, and one-piece connected chrome-plated brass overflow.
- G. Casters: Unless otherwise indicated, heavy-duty rated casters, NSF-approved, sealed wheel and swivel ball-bearings, solid or disc wheel, with greaseproof rubber, neoprene or polyurethane tire, and bright chrome plated finish on steel.

1. Wheel diameter: 5-inch, minimum.
2. Tread width: 1-3/16-inch, minimum.
3. Capacity per caster: 250 pounds, minimum.
4. Include stainless steel rotating wheel guard.

2.6 FABRICATED FIXTURES AND EQUIPMENT

- A. Fabricated Food Service Fixtures and Equipment: Fabricate products in conformance to all applicable standards of the National Sanitation Foundation (NSF) and local and State health regulations. All fabrications shall bear NSF label.
- B. Fasteners: No exposed screw or bolt heads will be acceptable. Rivets, if specified, shall be countersunk and ground flush, and of the same material as the pieces joined together. Butt joints made by riveting straps under seams and then filled with solder will not be accepted.
- C. Rolled Edges: Approximately 1-1/2-inch diameter, with corners bullnosed, ground and polished.
- D. Corners: All dishtables, drain tables, splashbacks and turned-up edges shall have radius bends in all horizontal and vertical corners, coved at intersections. Rounded and coved corners or radius bends shall be 1/2-inch radius or larger.
- E. Metal Tops: Fabricated of 14-gauge stainless steel, with exposed edges rolled and with corners bullnosed.
 1. Where tops are adjacent to walls or adjoining equipment, turn up 6 inches and back 1 inch on 45-degree angle, unless otherwise indicated.
 2. Provide backsplashes with cove horizontal and vertical corners.
 3. Fabricate metal tops of one-piece welded construction, reinforced on underside with galvanized steel channels welded in place so tops can support heavy weights without deflection. Provide cross braces at not more than 30 inches on center.
 4. Make field joints in stainless steel tops sanitary, tight and without open seams, by means of welding or by properly designed draw fastening, trim strip, or commercial joint material to suit the purpose required.
- F. Dishtables and Drainboards: Fabricate of 14-gauge stainless steel, with exposed edges formed into 1-1/2-inch by 190-degree rolled rim approximately 3 inches high.
 1. Provide built-in pitch of 1/2-inch minimum.
 2. Provide 10-inch-high backsplashes with 2-inch return on 45-degree angle or 1-1/2-inch diameter rolled rim, as indicated.
 3. Construct front rim and backsplash on drainboards with continuous level plane with sink it adjoins.
 4. Support drainboards up to 36 inches in length by 1 inch-diameter stainless steel tube welded to underside of drainboard and leg gusset.
 5. Support drainboards 36 inches and longer with legs.
 6. Cove horizontal and vertical corners with not less than 3/4-inch radius.

- G. Framing: Mount tops on 1-1/2-inch by 1-1/2-inch by 1/8-inch galvanized angle iron, or 4-inch wide by 12-gauge galvanized channels. Mount dishtables and drainboards on 4-inch wide by 14-gauge stainless steel channels.
1. Run framework around entire perimeter of unit, and cross brace on 30-inch centers.
 2. For dishtables and drainboards, run framing from front to back at each leg location, and run additional channel lengthwise, located at center of table width and welded to leg channels.
 3. Fasten framing to underside of top surfaces with 1/4-inch studs welded at approximately 12-inch centers.
 4. Provide each stud with suitable chrome-plated lockwashers and capnuts, and make stud lengths such that cap nuts can be made up tight bringing top down snugly to framing.
- H. Legs and Cross Rails: 1-5/8-inch OD, 16 gauge stainless steel tubing unless otherwise noted.
1. Construct legs with fully-enclosed stainless steel bullet shaped adjustable foot of Type 302 or Type 304 stainless steel exterior, not less than 1-1/2 inches in diameter, threaded for adjustment of 1 inch up or down without any threads showing.
 2. Make all welds at cross rails continuous and ground smooth. Tack welds will not be acceptable.
 3. Fasten legs to 4-inch high stainless steel gusset with top completely sealed by means of stainless steel plate.
 4. Fasten legs to sinks by means of enclosed gussets welded in place, sanitary type, stainless steel, reinforced with bushings and have set screws for securing legs.
 5. Fasten legs to metal tops and dishtables with enclosed gussets, as above, welded to stainless steel channels 14 gauge or heavier.
 6. Weld gussets continuously to bottom of unit framing.
- I. Casters: Unless otherwise indicated, heavy-duty rated casters, NSF-approved, sealed wheel and swivel ball-bearings, solid or disc wheel, with greaseproof rubber, neoprene or polyurethane tire, and bright chrome plated finish on steel.
1. Wheel diameter: 5-inch, minimum.
 2. Tread width: 1-3/16-inch, minimum.
 3. Capacity per caster: 250 pounds, minimum.
 4. Include stainless steel rotating wheel guard.
- J. Cabinet Bodies: Fabricate of 18-gauge stainless steel, with end panels formed with round corners for free-standing units, and square corners for fixtures that adjoin walls or other fixtures.
1. Provide 90-degree retentions on end panels at front and rear, turned in toward body of cabinet and welded for reinforcement.
 2. For cabinets with open shelving, provide double-wall inner panels.
 3. Weld ends to horizontal angle or channel members to form integral cabinet base.

4. Provide backs of same material as ends, with vertical edges turned in to match edges of ends.
 5. Weld making flush joint.
- K. Drawers: Lift-out type drawer body, one-piece construction, die stamped of 18-gauge stainless steel, with inside radiused corners.
1. Construct front of 16-gauge die-stamped stainless steel.
 2. Size: 20 inches by 20 inches by 5 inches deep.
 3. Provide lock for each drawer.
 4. Fasten drawer suspension guides to 18-gauge stainless steel housing suspended from angle framing under fixed top.
 5. Mount drawers on fabricated 14 gauge stainless steel interlocking channel supports with large-size, quiet ball bearing wheel suspension and stops to prevent drawers from being pulled out of fixture.
 6. Construct support slides so that drawers may be pulled out minimum of two-thirds of drawer length and support heavy loads without deflection. Drawers shall be easily removable without the use of tools.
- L. Doors, General:
1. Fabricate doors of double-cased stainless steel, unless otherwise indicated, with edges formed into channel extending around all sides, forming doors 7/8-inch 3/4-inch thick.
 2. Fabricate outer pans of 18-gauge 20-gauge stainless steel with corners welded, ground smooth, and polished.
 3. Include wood fiber sound deadening material in door.
 4. Fabricate inner pans of minimum 20-gauge stainless steel, fitted tightly into outer pan.
 5. Tack-weld pans together, and solder seams.
 6. Where single pan type doors are indicated, fabricate of 18-gauge stainless steel, reinforced and stiffened with closed hat sections to prevent flexing.
- M. Sliding Doors:
1. Mount doors on large ball-bearing, quiet rollers in 14 gauge stainless overhead tracks. Provide resilient stops.
 2. Sliding doors shall be mounted on and be removable without the use of tools.
 3. Construct sliding doors to be removable without use of tools, for cleaning purposes.
 4. Provide on each door, recessed stainless steel pulls.
 5. Where indicated, provide doors with locks.
- N. Hinged Doors:
1. Mount hinged doors on stainless steel, continuous-type hinges.
 2. Construct hinged doors so that face is flush with cabinet body.
 3. Provide each door with stainless steel surface door pull and magnetic catches.
 4. Where indicated, provide doors with locks.

- O. Shelves: Constructed of 16-gauge stainless steel.
1. **Bottom Shelves:** Extend forward and turn down at front so as to be flush with front facing of cabinet.
 2. **Fixed Intermediate Shelves:** Weld to front stiles and to 14-gauge stainless steel brackets so that shelf is 1 inch away from back and ends of cabinet.
 3. **Adjustable Shelves:** Channel on all 4 sides, weld corners, and mount on removable stainless steel standards.
 4. In fixtures with enclosed bases, provide shelves turned up at back and sides and feathered slightly to insure a tight fit to enclosure panels.
 5. In fixtures with open bases, provide shelves notched a full 90 degrees and welded tightly to legs, with tight joints at all intersections of shelf and leg.
- P. Open Base Shelving: Constructed of 14-gauge stainless steel with edges rolled down on open sides, and 2-inch turn-up with 3/4-inch radius on rear and ends where adjacent to walls and other equipment.
1. Neatly notch corners and weld to legs.
 2. Reinforce shelving longitudinally with 14-gauge formed channel welded to underside.
 3. Construct removable shelves as above, but fit over cross rails.
 4. Do not exceed shelving sections of 30 inches long; where one section abuts another, turn down edges 1 inch.
- Q. Wall Shelves: Constructed of 14-gauge stainless steel with 1-1/2-inch roll on front and exposed ends, and with 2-inch turn-up on back and ends where adjacent to walls or other fixtures.
1. Weld all corners.
 2. Construct wall brackets of 14-gauge stainless steel with 1-1/2-inch flange at wall and completely welded to underside of shelf.
 3. Fasten each bracket to wall with minimum of two 1/2-inch bolts anchored to wall.
 4. Fasten shelf to wall bracket by means of studs welded to shelf, and secure with lockwasher and chrome-plated cap nuts.
 5. Install so that shelf sets 1-1/2-inch away from wall.
- R. Overshelves: Set shelves mounted over equipment not adjacent to walls on 1 inch by 14-gauge stainless steel tubular standards fitted with stainless steel base flanges.
1. Completely weld top of tubular standards to 14-gauge stainless support channels, run channels full width of overshelf.
 2. Run 1/2-inch steel tension rods through counter-tops and reinforcing angle framing, secure with nuts and lockwashers to assure stable sway-free structure.
 3. Where shelves are mounted over drainboards or dishtables, mount on upturned rolled edges omitting flanges, and scribe lower end of tube to match contour of roll.
- S. Sinks: Fabricate from 14-gauge stainless steel, with interior corners rounded to 1 inch radius, both horizontally and vertically, forming cove in bottom.

1. Inset sink in stainless steel countertops, with butt-edge joints welded, ground smooth and polished so joint is imperceptible.
2. Finish sinks to match stainless steel top. Where sink bowls are exposed below countertop, finish sink exterior match top.
3. Divide multiple compartment sinks with double-wall, 14-gauge stainless steel partitions rounded to 1/2-inch radius on top and having corners rounded same as other corners in sinks. Provide multiple compartment sinks with continuous face at exposed front.
4. Provide back, bottom, and front of one continuous piece with no overlapping joints or open spaces between compartments.
5. Pitch bottom of each compartment, and crease to die-stamped recess to receive lever-type drain, without use of solder, rivets, or welding.
6. Finish front and exposed ends of sink countertop with 1-1/2-inch, 190-degree rolled edge.
7. Finish back and ends adjacent to walls or other fixtures with splashback.
8. Punch splashback to receive wall-mounted faucets.
9. For sinks in worktops, construct as above but omit roll edges and splashbacks. Fabricate bowl to be flush with work surface.

T. Drains, Wastes and Faucets:

1. Provide 3-1/2-inch crumb cup waste outlets in all die-drawn inset type sinks.
2. Provide all other custom fabricated sinks with rotary type waste outlets, without connected overflows, as manufactured by Atlantic Brass Works, Inc., or Fisher Brass Foundry., or equal. Valves shall be 2-inch size with 1-1/2-inch threaded adapter, unless otherwise indicated.
3. Faucets: As scheduled, as manufactured by Fisher, T & S, or Chicago, or equal.
4. Dipperwells: Fisher Model 3041, or equal.

U. Formed stainless steel, at all fixtures, splashbacks and shelves, to close and finish entire rear or ends flush to walls or adjoining fixtures.

2.7 FABRICATED EXHAUST HOODS

1. Fabricated Exhaust Hoods: Comply with NFPA 96, including Appendix A.
2. Grease Removal: Provide removable grease filters, with drip-channel gutters, drains, and collection basins.
3. Light Fixtures: Provide incandescent fixtures, with vapor-tight sealed lens, and stainless steel conduit where exposed for wiring.
4. Exhaust Duct: Stainless steel with finish to match hood finish where exposed; galvanized steel where concealed.

PART 3 - EXECUTION- NOT USED

END OF SECTION

11 51 00 – LIBRARY EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Book detection system, complete with detection strips.
- B. Express self-service check-out station system.
- C. Under cabinetry depressible book truck.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: 3M Library Systems (1-800-328-0067).
- B. Acceptable Manufacturers: None identified. Equivalent products of other manufacturers will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.

2.2 LIBRARY MATERIALS FLOW MANAGEMENT SYSTEM

- A. Library Materials Flow Management System: 3M Library Security System, consisting of detection system, staff workstation, resensitizing and desensitizing accessories, selfcheck system, print staff workstation, resensitizing and desensitizing accessories, selfcheck system, print media security strips, CD strips with overlays and magnetic media strips with cover-up labels.
 - 1. Detection unit: Model 3501 detection unit, 36-inch single-corridor, buried-cable installation. Provide 2 units.
 - 2. Staff workstation: Model 995 staff workstation, in-counter installation. Provide 2 units.
 - 3. Resensitizer:
 - a. Model 764 print media resensitizer. Provide 2 units.
 - b. Model 2011 magnetic media resensitizer. Provide 2 units.
 - 4. Desensitizers:
 - a. Model 930 print media desensitizer. Provide 4 units.
 - b. Model 763 magnetic media desensitizer. Provide 4 units.
 - 5. Security strips: Multi-media security strips with overlays and cover-up labels, as needed. Provide County with 82,000 strips as follows, unless informed otherwise.

- a. B2 print media detection strips: Provide 70,000 each.
 - b. DCD-2 strips with overlays for CD's and CDROM's: Provide 4,000 each.
 - c. DVM-1 strips with cover-up labels for videocassettes: Provide 3,000 each.
 - d. DAC-1 strips with cover-up labels for audiocassettes: Provide 5,000 each.
6. Self-service, check-out station: Model 6210 selfcheck system with integrated print media, CD and video checkout; two languages, with option for a third and fourth language; state-of-the-art laser scanner with visible scan line to help patrons orient items correctly; intuitive graphical user interface; LCD color monitor; integrated receipt thermal printer; TCP/IP or serial connection; audible signals; multiple-book and item-substitution detection and 3M internal software.

2.3 PROGRAMMABLE DETECTION STRIPS

A. Programmable Detection Strips: Detection Strips shall meet the following criteria:

1. Length shall not be less than 6-1/2 inches. Thickness of the strip with adhesive shall not exceed .014-inch. To facilitate easy insertion, width shall not exceed 0.17-inch nor be less than 0.12-inch.
2. The detection strips shall be one-piece, flexible, thin non-rusting nickel cobalt polynoid metallic alloy coated with an adhesive film. The film shall not discolor or lose its adhesive or cohesive strength with age. The strips shall require no moisture, heat, or additional glue or adhesive for affixing to the spine or between pages of a book or periodical. They must be capable of protecting books, periodicals or pamphlets.
3. The strip shall be completely concealable when placed in printed materials in the library collection. It shall not be obvious by its presence or absence in a book or periodical. Its concealability in library materials shall not be dependent upon use of "add-on" or "cover-" items such as book pockets, end papers, dust cover flaps or tip-in process. The system shall not require the use of aluminum foil or de-tuner inserts to shield the strip signal of properly charged out library materials.
4. The strip shall not lose its sensitivity or a portion of its sensitivity due to normal environmental surroundings in the library. Strip status reliability shall be such that it is unaltered by equipment other than the book check unit. The strip shall not be vulnerable to compromise by electrical tools, coils, etc. Status of the strip shall not be affected by a magnetic field or up to 80 oersteds either AC or DC. Strip shall not be sensitized or desensitized by its proximity to a detection system lattice.
5. Programmable strips shall utilize keepers of a non-rusting alloy which make the strip dual status. Strips shall not rust, bleed or discolor library materials.

2.4 SENSING UNIT - DETECTION MONITORS

- A. System Description: The System shall use a magnetic detection principle to control the passage of sensitized library materials through the inspection area, or detection device. Existing patrons shall activate the detection system by interrupting the photo cell light beam. Exiting patrons cannot defeat the system simply by avoiding interrogation.
- B. Alarm: When sensitized library materials are detected, an audible alarm shall sound.

2.5 SENSITIZER/DESENSITIZER (FOR FULL CIRCULATION SYSTEM)

- A. Sensitizer/Desensitizer Units: Units shall provide magnetic fields with sufficient strength and wave shape to be able to fully magnetize and completely demagnetize keeper elements on the strips. The coercive field of these keeper elements shall be 180 - 230 oersteds.
- B. Equipment and Material Control: All equipment and materials used to properly circulate library books to patrons/students must be maintained within the library proper and in control of the library staff at all times.
- C. Criteria: Sensitizer/Desensitizer shall meet either or both of the following specifications:
 - 1. Provide resensitizer unit:
 - a. Resensitizer unit shall be portable for use at circulation desk, at book return area or on portable truck for use anywhere in Library.
 - b. Each resensitizer unit shall resensitize strips in spine or between pages of library materials regardless of thickness, length or size of library materials.
 - 2. Provide desensitizer unit:
 - a. Desensitizer unit shall be portable for use at circulation desk, at book return area or on portable truck for use anywhere in Library.
 - b. Each unit shall desensitize strips in spine or between pages of library materials regardless of thickness, length or size of library materials.

2.6 WALL-MOUNTED BOOK RETURN FACEPLATE

- A. Wall-Mounted Book Return Faceplate: Provide one wall-mounted book return faceplate and chute as manufactured by Kinsley Companies (800/376-7209), Model #0019, or approved equal. Color and finish shall be as indicated on the Drawings.

2.7 BOOK CARTS

- A. Depressible Book Cart (Exterior Book Returns): Provide four depression book carts as manufactured by Kingsley Companies (800/376-7209), Model #0240, or approved equal. Cart shall have capacity of 150 to 200 books, with heavy duty casters and foot brakes. Color and finish shall be as indicated on the Drawings.
- B. Depressible Book Cart (Interior Book Return): Provide two depressible book carts as Continuum - 6E Series catalog # 60-915, depressible book trucks manufactured by Kingsley Companies (800/376-7209), Model #0230, or approved equal.

PART 3 - EXECUTION – NOT USED

END OF SECTION

11 51 23 – LIBRARY STACK SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Library shelving systems.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Sheet Steel: ASTM A 366 (ASTM A 366M), cold-rolled carbon steel sheet, commercial quality, stretcher leveled, Class 1, matte finish. Provide in minimum gauges as specified below by component.
- B. Plastic Laminate: NEMA LD-3, high-pressure, decorative laminate, Grade GP-50 0.050-inch thick.
 - 1. Horizontal surfaces: NEMA General Purpose Type, nominal 0.050-inch thick.
 - 2. Vertical surfaces: NEMA Vertical Surface Type, nominal 0.028-inch thick.
- C. Fasteners: Cadmium-plated or zinc plated steel, size and grade as determined by manufacturer to suit loads and Project conditions.

2.2 LIBRARY SHELVING SYSTEMS

- A. Acceptable Manufacturers: Products of the manufacturers listed below, which comply with specified requirements, will be acceptable. Equivalent products of other manufacturers will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. Montel Aetnastak, Inc., Melbourne, FL (407/726-9777 or 800/772-7562).
 - 2. Burroughs Manufacturing Company.
 - 3. M.J. Industries.
- B. Library Shelving Systems: Single-unit welded frame type where adjustable shelves of varying types are cantilevered from central upright columns. Units shall not require starter or adder units or case-type shelving.
 - 1. Provide metal library bookshelf systems which use unitized construction, such that an individual bookshelf unit or shelf can be removed from range without disturbing or altering stability of adjacent units.
 - 2. Provide shelving and base units in sizes as indicated on the Drawings or, if not indicated, provide units of standard 36-inch nominal width, for nominal 12-inch deep

shelves in nominal 13-1/2-inch deep base. Provide shelving unit height as indicated on the Drawings.

3. Shelf heights adjustable in 1 inch increments; components, joints, and shelves designed to withstand most severe possible book loading condition with normal factor of safety.
4. Shelf Quantities: Except where other shelf arrangements are shown or scheduled, provide the following number of adjustable bracketed shelves for each face of each unit.
 - a. Ceiling high units: 7 shelves (plus base).
 - b. 90-inch high units: 6 shelves (plus base).
 - c. 66-inch high units: 4 shelves (plus base).
 - d. 42-inch high units: 2 shelves (plus base).
- C. Upright Posts: Tubular or back-to-back channel design; size, gauge, and reinforcement as required for loading, but not less than 16 gauge. Perforate each post full height on both faces with a row of slots spaced as specified for shelving adjustments. Provide two upright posts for each shelving section of a range, to provide modular shelving.
- D. Bottom Spreader: 16 gauge, minimum, channel shape, minimum 1 inch by 1-3/4 inches, welded to upright post.
- E. Top Spreader: 16 gauge, minimum, tubular fanned shape with minimum 1 inch by 2-inch cross-section.
- F. Base Brackets: 16 gauge, minimum, with 90-degree flange formed at bottom. Provide adjustable leveling device at each corner of unit with resilient pad or metal glide for carpeted areas. Profile of shelf bracket shall be similar to shelf end bracket with all edges flanged 1/4-inch at 90-degrees.
- G. Closed Base Shelves: Formed of not less than 19 gauge steel into one-piece construction. Front height shall not exceed 3 inches; open ends shall have stiffening flanges. Shelf shall be notched to fit around upright columns and base brackets without fasteners.
- H. Shelf End Brackets: Designed with 15-degree sloped front edge and shall be formed of not less than 16 gauge steel with top, front and bottom edges flanged out 1/4-inch on a 90-degree bend with two hooks and positioning tab. Brackets shall be designed for easy shelf relocation without disturbing adjacent shelves.
- I. Adjustable Shelves: Formed of not less than 19 gauge steel, with front and rear edges formed 3/4-inch high and box formed with minimum 90-degree bends with provisions to receive wire book supports and label holders.
 1. Adjustable integral back shelves shall be formed with front face formed 3/4-inch high and box formed with no less than four 90-degree bends (down 3/4-inch, return 1/2-inch, return 3/4-inch, and return 1/4-inch). Rear of shelf shall be formed up 1-3/8-inch high with a 5/16-inch return forming a rail that will receive a sliding book support.
 2. Shelving shall present a smooth, closed appearance on both faces, inside as well as outside, with all sharp edges eliminated, yet so arranged as to receive book supports and label holders.
 3. Adjustable book shelves shall be designed for book loads of 50 pounds per square foot, with deflection not exceeding 3/16-inch.

- J. Backstops: Formed of 20 gauge steel, 3 inches high with return stiffening flanges and hooks for engaging upright post slots. Backstop shall be independent of shelves and brackets.
- K. End Panels: 1-3/16-inch thick wood particleboard, with high pressure plastic laminate on front, back and all edges. Panels shall extend full height and width of shelving units and shall cover all metal parts when viewed from outside face of end panel.
 - 1. End panels shall be sized to suit various shelving depths indicated, with minimum width 1/2-inch greater than largest dimension of shelf or base width, whichever is greater.
 - 2. Provide single end panels for full width of shelving unit.
- L. Top Canopies: Formed of not less than 18 gauge steel, with minimum 1-1/2-inch front edge. Canopies shall extend full width and depth of the unit base and shall be supported by 12 gauge brackets fastened to or engaged with the frame uprights. Provide top canopies at all bookshelves unless otherwise indicated.
- M. Accessories:
 - 1. Wire Book Supports: 0.235-inch diameter, zinc plated tempered steel mounted in formed ABS clips, black color, nominal 1-3/4-inch long by nominal 1-1/4-inch high, with molded rectangular clip which engages into rear of adjustable integral back shelf. Wire shall be and shall extend 7-1/2 inches over the shelf to support books. Provide two per shelf.
 - 2. Filler assemblies: Painted steel, to match bookshelf units, forme to completely fill spaces between shelving assemblies and walls. Provide corner fillers at all corners with shelves at 90 degrees to each other.
 - 3. Label holders: Extruded clear plastic, relocatable, to clip under lip of face of shelf, sized to hold 5/8-inch by 5-inch card. Provide one label holder per 36-inch shelving unit.
- N. Plastic Laminate Finish: Satin, color as indicated on the Drawings or, if not indicated, as selected by Architect from full range of available solid colors by one of the following manufacturers:
 - 1. Formica: Formica Corporation, Cincinnati, OH (513/786-3400 or 800/367-6422).
 - 2. Laminart: Laminart, Elk Grove Village, IL (708/860-4300 or 800/323-7624).
 - 3. Micarta: Westinghouse Specialty Materials, Hampton, SC (803/943-2311 or 800/845-4793).
 - 4. Nevamar: Nevamar Corp., Odenton, MD (410/551-5000).
 - 5. Pionite: Pioneer Plastics Corp., Auburn, ME (207/784-9111 or 800/777-9113).
 - 6. WilsonArt: WilsonArt International, Temple, TX (817/778-2711 or 800/433-3222; local distributor, Santa Fe Springs, CA, 213/771-8141, 310/921-7426 or 714/523-1200).
- O. Metal Finish: Manufacturer's standard electrostatically-applied, thermosetting enamel finish, minimum of 14 mils dry film thickness. Color shall be black.

PART 3 - EXECUTION– NOT USED

END OF SECTION

11 52 13 – PROJECTION SCREENS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Wall-mounted, manual roll-down front projection screen.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Da-Lite Screen Company, Inc., Warsaw, IN (219/267-8101 or 800/622-3737; local representative, Anaheim, CA, 714/520-9599 or 800/622-3737).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Draper Shade and Screen Company, Inc., Spiceland, IN (317/987-7999).
 - 2. Bretford Manufacturing, Inc., Franklin Park, IL (847/678-2545 or 800/343-1779).

2.2 PROJECTION SCREENS

- A. Manual Roll-Down Projection Screens: Da-Lite Model C Roller-Type Screen, with CSR (Controlled Screen Return) feature.
- B. Screen Size: Standard format, 70 inches high by 70 inches wide.
- C. Viewing Surface: Glass bead coated, optical-quality flexible fabric, with standard black masking borders, with black extra drop fabric, fire retardant and mildew resistant.
- D. Roller: 3-inch diameter rigid steel spring roller.
- E. Case: 22 gauge steel enclosure.
- F. Brackets: Da-Lite Model No. 11 Extension Bracket, 10-inch by 14-inch legs for 10- or 14-inch installation of screen from wall.
- G. Fire Rating: Screens shall be UL listed as fire retardant in accordance with all applicable Codes, ordinances and standards, and shall be listed by the State Fire Marshal for use in schools.

PART 3 - EXECUTION – NOT USED

END OF SECTION

11 53 13– LABORATORY FUME HOODS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Laboratory chemical fume hoods.
- B. Piping and wiring within fume hoods for service fittings, light fixtures, blower switches, and other electrical devices.

1.3 SOURCE QUALITY CONTROL

- A. Source Quality Control: Demonstrate fume hood performance before shipment by testing one fume hood for each type required, according to ASHRAE 110. Provide testing facility, instruments, equipment, and materials needed for tests.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Kewaunee Scientific Corp., Statesville, NC (704/873-7202).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Collegedale Casework, LLC, Collegedale, TN (423/238-4131).
 - 2. Fisher Hamilton L.L.C., Two Rivers, WI (920/793-1121).

2.2 MATERIALS

- A. Steel Sheet: Cold-rolled commercial steel sheet, complying with ASTM A 1008/A 1008M; matte finish; suitable for exposed applications.
- B. Stainless-Steel Sheet: ASTM A 666, Type 304; stretcher-leveled standard of flatness.
- C. Glass-Fiber-Reinforced Polyester: Polyester laminate complying with ASTM D 4357, with a chemical-resistant gel coat on the exposed face, and having a flame-spread index of 25 or less per ASTM E 84.
- D. Glass-Fiber Cement Board: ASTM C 1186.
- E. Tempered Glass: ASTM C 1048, Kind FT, Condition A, Type I, Class 1, Quality q3.

- F. Laminated Safety Glass: ASTM C 1172, Kind LT, Condition A, Type I, Class I, Quality q3 with clear, polyvinyl butyral interlayer.
- G. Fasteners: Provide stainless-steel fasteners where exposed to fumes.

2.3 RESTRICTED BYPASS FUME HOODS

- A. Restricted Bypass Fume Hoods: A-Airflow Supreme-Kemliner manufactured by Kewaunee Scientific Corp.
 - 1. Provide fume hoods with partial compensating bypass above sash, which opens after sash is closed to less than 40 percent open.
 - 2. Design partial bypass to maintain sufficient exhaust air volume through hood to adequately dilute hazardous fumes regardless of sash position.
- B. Variable-Air-Volume Control: Equip fume hoods with electronic control unit with a sensing device that monitors face velocity, and a motorized damper on the exhaust connection that maintains a constant face velocity by controlling air volume in response to control unit. Equip units with manual override switch that opens motorized damper to provide maximum exhaust capacity regardless of sash position.
 - 1. Provide electronic control unit that also monitors sash position and anticipates changes in face velocity caused by abrupt changes in sash position.
 - 2. Provide output transmitter on electronic control unit that produces 0- to 10-V dc signal proportional to fume hood exhaust volume for interface with building's HVAC control system.

2.4 FABRICATION

- A. Fabrication, General: Preassemble fume hoods in factory to greatest extent possible. Disassemble fume hoods only as necessary for shipping and handling limitations. Fume hoods shall be capable of being partly disassembled as necessary to permit movement through a 35-by-79-inch (889-by-2007-mm) door opening.
- B. Steel Exterior: Fabricate from steel sheet, not less than 0.0478-inch thick, with component parts screwed together to allow removal of end panels, front fascia, and airfoil and to allow access to plumbing lines and service fittings. Apply chemical-resistant finish to interior and exterior surfaces of component parts before assembly.
- C. Ends: Fabricate with double-wall end panels without projecting corner posts or other obstructions to interfere with smooth, even airflow. Close area between double walls at front of fume hood and as needed to house sash counterbalance weights, utility lines, and remote-control valves.
- D. Tops and Sides: Splay top and sides of face opening to provide an aerodynamic shape to ensure smooth, even flow of air into fume hood.
- E. Interior Lining: Provide steel sheet, not less than 0.0428-inch thick, with white epoxy coating.
- F. Lining Assembly: Unless otherwise indicated, assemble with stainless-steel fasteners or epoxy adhesive, concealed where possible. Seal joints by filling with chemical-resistant sealant during assembly.

1. Fasten lining components to a rigid frame assembly fabricated from stainless steel and to which exterior panels are attached.
 2. Punch fume hood lining side panels to receive service fittings and remote controls. Provide removable plug buttons for holes not used for indicated fittings.
- G. Rear Baffle: Provide baffle, of same material as fume hood lining, at rear of hood with openings at top and bottom for airflow through hood. Secure baffle to cleats at rear of hood with stainless-steel screws. Fabricate baffle for easy removal for cleaning behind baffle.
1. Provide preset baffles, unless otherwise indicated.
- H. Exhaust Plenum: Full width of fume hood and with adequate volume to provide uniform airflow from hood, of same material as hood lining, and with duct stub for exhaust connection.
1. Duct-Stub Material: Epoxy-coated steel, or stainless steel, unless otherwise indicated.
 2. Duct-Stub Material for Radioisotope Hoods: Stainless steel.
- I. Bypass Grilles: Provide grilles at bypass openings of bypass and restricted bypass fume hoods.
- J. Sashes: Provide operable sashes of type indicated.
1. Fabricate from 0.0478-inch minimum thickness steel sheet, with chemical-resistant finish. Form into four-sided frame with bottom corners welded and finished smooth. Make top member removable for glazing replacement. Set glazing in chemical-resistant, U-shaped gaskets.
 2. Glaze with laminated safety glass, with 3-mm-thick plies.
 3. Counterbalance vertical sliding sash with sash weight and stainless-steel cable system. Provide ball-bearing sheaves, plastic glides in stainless-steel guides, and stainless-steel lift handles. Provide rubber bumpers at top and bottom of each sash unit.
 4. Provide sash opening height of 27 to 30 inches, unless otherwise indicated.
- K. Airfoil: Provide airfoil at bottom of sash opening to direct airflow across countertop from 1 inch space between airfoil and countertop.
1. Fabricate airfoil from stainless steel coated with PTFE or PVDF.
- L. Light Fixtures: Provide vaporproof, two-tube, rapid-start, fluorescent light fixtures, of longest practicable length; complete with tubes at each fume hood. Shield tubes from hood interior with 1/4-inch-thick laminated glass, sealed into hood with chemical-resistant rubber gaskets. Provide units with fluorescent tubes easily replaceable from outside of fume hood.
1. Provide fluorescent tubes with color temperature of 3500 K and minimum color-rendering index of 85.
 2. Provide vaporproof, acid-resistant, incandescent light fixtures complete with 100-W, Type A, long life bulbs instead of fluorescent fixtures at radioisotope fume hoods. Provide 2 fixtures for hoods up to 60 inches long and 1 fixture for each 24 inches of length for longer hoods.
- M. Base Cabinets: As specified in Section 12 35 53 Laboratory Casework.
- N. Countertops: Epoxy composition countertops as specified in Section 12 36 53 - Laboratory Countertops.

- O. Filler Strips: Provide as needed to close spaces between fume hoods and adjacent casework and building construction. Fabricate from same material and with same finish as fume hoods.
- P. Piping and Prewiring: Comply with requirements in Divisions 22, 23 and 26 Sections for installing water and laboratory gas service fittings, piping, electrical devices, and wiring. Install according to reviewed shop drawings. Securely anchor fittings, piping, and conduit to fume hoods, unless otherwise indicated.

2.5 CHEMICAL-RESISTANT FINISH

- A. Preparation: Clean steel surfaces, other than stainless steel, of mill scale, rust, oil, and other contaminants. After cleaning, apply a conversion coating suited to the organic coating to be applied over it.
- B. Chemical-Resistant Finish: Immediately after cleaning and pretreating, apply fume hood manufacturer's standard two-coat, chemical-resistant, baked-on finish consisting of prime coat and thermosetting topcoat. Comply with coating manufacturer's written instructions for applying and baking to achieve a minimum dry film thickness of 2 mils.
 - 1. Chemical and Physical Resistance of Finish System: Finish complies with acceptance levels of cabinet surface finish tests in SEFA 8. Acceptance level for chemical spot test shall be no more than four Level 3 conditions.
 - 2. Fume Hood Finish: as indicated on the Drawings.

2.6 ACCESSORIES

- A. Service Fittings: Comply with requirements as specified in Section 12 36 53 - Laboratory Countertops. Provide service fittings with exposed surfaces, including fittings, escutcheons, and trim, finished with acid- and solvent-resistant, baked-on plastic coating in manufacturer's standard color as approved by Architect.
- B. Airflow Indicator: Provide fume hoods with thermal anemometer that measures fume hood face velocity and displays data as digital readout.
- C. Airflow Alarm: Provide fume hoods with audible and visual alarm that activates when airflow sensor reading is outside of preset range.
 - 1. Provide with thermal-anemometer airflow sensor.
 - 2. Provide with test switch.
 - 3. Provide with switch that silences audible alarm and automatically resets when airflow returns to within preset range.
- D. Sash Alarm: Provide fume hoods with audible and visual alarm that activates when sash is opened beyond preset position.
 - 1. Provide with silence and test switches.
- E. Sash Stops: Provide fume hoods with sash stops to limit hood opening to 50 percent of sash height. Sash stops can be manually released to open sash fully for cleaning fume hood and for placing large apparatus within fume hood.
- F. Bypass Grille Blank-off Panel: Provide fume hoods with blank-off panel on bypass grille designed for use with sash stops to reduce exhaust air volume and provide design face velocity with sash at 50 percent open position.

PART 3 - EXECUTION – NOT USED

END OF SECTION

11 66 23 – GYMNASIUM EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Gymnasium basketball backstops.
- B. Gymnasium divider curtains.
- C. Volleyball nets and accessories.
- D. Gymnasium wall pads.
- E. Electronic scoreboards and shot timers.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturers:
 - 1. Backstops, divider curtains, volleyball net systems and wall pads: Porter Athletic Equipment Company, Broadview, IL (708/338-2000 or 800/947-6783).
 - 2. Scoreboards and shot timers: Trans-Lux Fair-Play, Inc., Des Moines, IA (515/265-5305 or 800/247-0265).
- B. Acceptable Manufacturers: As listed below. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
 - 1. Backstops, divider curtains, volleyball net systems and wall pads:
 - a. ADP Lemco, Inc., West Jordan, UT (801/280-4000 or 800/575-3626).
 - b. Draper, Inc., Spiceland, IN (765/987-7999 or 800/238-7999).
 - c. Performance Sports Systems, Inc., Pendleton, IN (765/778-3110 or 800/848-8034).
 - 2. Scoreboards and shot timers:
 - a. Nevco Scoreboard Company, Greenville, IL (618/664-0360).
 - b. Daktronics, Inc., Brookings, SD (605/697-4000 or 800/843-9878).

2.2 GYMNASIUM BASKETBALL BACKSTOPS, MAIN COURTS

- A. Gymnasium Basketball Backstops, Main Courts: Porter No. 950, front-braced/forward-fold structure, overhead supported backstop with fully-welded vertical front frame assembly.

1. Frame assembly shall consist of main center mast of 6-5/8-inch O.D. heavy wall structural steel tube with diagonal side sway braces of 2-1/2-inch by 1-1/2-inch structural tube.
 2. Top horizontal mast hinge spreader shall be constructed of heavy 4-inch structural channel to form rigid back-to-back triangle design.
 3. Backstop shall be supported from 3-1/2-inch O.D. pipe anchored to overhead framing members by means of heavy formed steel support fittings. Superstructure pipes shall be reinforced with bridging or bracing when truss centers exceed spans of 14'-0". All pipe ends when exposed shall be capped.
 4. Goal shall mount directly through backboard and into a heavy structural steel weldment ("Center-Strut").
 5. Center-Strut shall be clamped to the vertical 6-5/8-inch O.D. center support to eliminate strain on backboard. This direct-mount feature shall conform to the NCAA unit design recommendation minimizing stress on backboard.
 6. Assembly shall be factory primed and field finish painted as specified in Section 09 90 00 – Painting and Coating. Finish color shall be as indicated on the Drawings.
- B. Frame Assembly: Main frame assembly shall be suspended by adjustable hangers (with 2 inches of vertical adjustment) to provide for precise plumbing of frame during installation.
1. Support hangers shall be offset 2 inches from center line of main center mast to properly weight lock unit in playing position.
 2. Frame assembly shall be factory primed and field finish painted as specified in Section 09 90 00 – Painting and Coating. Finish color shall be as indicated on the Drawings.
- C. Backboard: Porter No. 00208-000 rectangular shape, 72 inches wide by 42 inches high, 1/2-inch thick clear tempered glass cushioned in unitized steel tubing frame with glare free aluminum perimeter.
1. Provide standard white borders and target area, fired permanently into glass.
 2. Provide manufacturer's Limited Lifetime Warranty against breakage.
 3. Backstop shall operate with 1-7/8-inch O.D. front brace assembly with folding knee joint. Knee joint shall lock backboard into playing position, by means of a torsion spring within the hinge assembly. Hoist cable shall disengage knee joint allowing front brace to fold easily.
- D. Basketball Goals: Porter No. 00245-500 Ultra-Flex Goal, incorporating positive-lock, pressure-release mechanism to automatically release and pivot goal downward when static force of 230 pounds is placed on top of goal ring at point most distant from backboard, in compliance with latest NBA, NCAA, NFSHSA, and FIBA specifications for movable goals. Breakaway goals with plastic pivot bearings will not be acceptable.
1. Goal shall be spring-loaded to automatically and instantaneously return to playing position.
 2. Pressure release mechanism shall be preset at factory with capability for field adjustment to comply with NCAA recommendation to test goals for rebound elasticity.
 3. Pressure release adjustment shall be accomplished without removing mechanism cover.

4. Rim shall be rigidly braced by means of 3/16-inch thick steel formed and die cut steel brace welded in position on underside of rim for maximum support.
5. Rim shall attach directly to "Center-Strut" of backstop.
6. Rim shall be provided with unique "tube-tie" net attachment system to eliminate conventional wire-formed type net locks.
7. Goal shall be easily mounted to backboard with special slotted direct mounting system without removing housing cover.
8. Goal shall be finished in durable official orange powder coat.
9. Provide one nylon anti-whip net with each goal.
- E. Backboard Padding: Porter No. 326 Pro Pad Bolt-On Backboard Padding, along bottom of backboard and up 15 inches on each side meeting NCAA/NFSHSA rules.
 1. Pads shall be 2 inches thick molded form 9 lb. density polyurethane foam with integral skin.
 2. Provide color as selected by Architect from manufacturer's standard colors.
 3. Provide manufacturer's 8 year warranty.
- F. Operator: Remote-controlled, heavy-duty electric winch, designed to hold units at any position when raising or lowering.
 1. Units shall be individually operated by 1/2 hp (9 amp) capacitor type, 60 Hz, 115 VAC single phase electric motor with automatic thermal overload protection manufactured to NEMA specifications.
 2. Winch shall include fully-enclosed gear set. Gear set shall be set in oil bath and sealed at factory to eliminate need for lubrication. The gear shaft shall connect directly to drum hoist without use of chain.
 3. Electric winch shall incorporate a special rotary limit switch.
 4. Provide hoist cable of sufficient length and 1/4-inch diameter, galvanized aircraft type (minimum of 7,000 pounds, ultimate).
- G. Safety Lock: Porter No. 10797-100 Saf-Strap lock, for protection against possibility of folding backstop accidentally falling during raising or lowering cycle or in storage.
 1. Unit shall not be affected by impact of basketballs and other objects.
 2. Lock shall be inertia-sensitive to automatically lock basketball backstop in position at any time in storage or during raising or lowering cycle due to sudden surge of speed created by possible malfunction of hoisting apparatus.
 3. Unit shall incorporate fully-automatic reset requiring no poles, ropes, levers or buttons.
- H. Retractor Reel: Porter No. 798, for retract both hoist cable and safety lock strap from play area when backstop is in down position.
- I. Backstop Operating Control: All backstops shall operate from Gymnasium Control Center, specified below.

2.3 GYMNASIUM BASKETBALL BACKSTOPS, OUTSIDE PRACTICE COURTS

- A. Gymnasium Basketball Backstops, Outside Practice Courts: Porter No. 923 Series Backward Fold overhead supported backstop.
 - 1. Frame assembly shall be fully-welded vertical front frame assembly, consisting of main center mast of 6-5/8-inch O.D. heavy-wall structural steel tube with diagonal side sway braces of 2-1/2-inch by 1-1/2-inch structural tube.
 - 2. Top horizontal mast hinge spreader shall be fabricated of heavy 4-inch structural steel channel to form rigid back-to-back triangle design.
 - 3. Backstop shall be supported from 3-1/2-inch O.D. pipe anchored to overhead framing members by means of heavy formed steel support fittings.
 - 4. Superstructure pipes shall be reinforced with bridging or bracing when truss centers exceed spans of 14'-0". All pipe ends when exposed shall be capped.
 - 5. Goal shall mount directly through backboard into heavy structural steel weldment ("Center-Strut"). Center-Strut shall be clamped to vertical 6-5/8-inch O.D. center support to eliminate strain on backboard, in conformance to NCAA unit design recommendation, minimizing stress on backboard.
 - 6. Assembly shall be factory primed and field finish painted as specified in Section 09 90 00 – Painting and Coating. Finish color shall be as indicated on the Drawings.
- B. Frame Assembly: Main frame assembly shall be suspended by adjustable hangers (with 2 inches of vertical adjustment) to provide for precise plumbing of frame during installation.
 - 1. Support hangers shall be offset 2 inches from center line of main center mast to properly weight lock unit in playing position.
 - 2. Frame assembly shall be factory primed and field finish painted as specified in Section 09 90 00 – Painting and Coating. Finish color shall be as indicated on the Drawings.
- C. Backstop: Porter No. 228-300 Dura-Lam rectangular wood backboard, 72 inches by 42 inches by 1-9/16 inches thick, high-density wood composite core with 1/32-inch thick, smooth, satin-finished white polyethylene faces laminated to front and backside, with regulation perimeter striping and target markings in official orange as an integral part of the laminate on playing face of backboard.
 - 1. Wood core shall be 1-1/2 inches thick, 55 lb./cf density particle board.
 - 2. Provide threaded inserts (3/8" - 16) on backside for mounting.
- D. Basketball Goals: Porter No. 00225-000 Super Goal, fabricated from 5/8-inch diameter high strength cold drawn alloy steel.
 - 1. Rim shall be rigidly braced by means of a 5/8-inch diameter cold-drawn alloy steel, round formed and welded in position for maximum support.
 - 2. Goal assembly shall be capable of supporting up to 800 pound load on outer edge of rim and under extreme dynamic loading shall flex downward up to 2-3/4 inches without permanent set or deformation.
 - 3. Goal shall be finished in durable official orange powder coat finish.
 - 4. Provide plated mounting hardware.
 - 5. Provide one high-quality braided white cotton net with each goal.

- E. Backboard Padding: Porter No. 326 Pro Pad Bolt-On Backboard Padding, along bottom of backboard and up 15 inches on each side meeting NCAA/NFSHSA rules.
 - 1. Pads shall be 2 inches thick molded form 9 lb. density polyurethane foam with integral skin.
 - 2. Provide color as indicated on the Drawings from manufacturer's full selection of colors.
 - 3. Provide manufacturer's 8 year warranty.
- F. Operator: Remote-controlled, heavy-duty electric winch, designed to hold units at any position when raising or lowering.
 - 1. Units shall be individually operated by 1/2 hp (9 amp) capacitor type, 60 Hz, 115 VAC single phase electric motor with automatic thermal overload protection manufactured to NEMA specifications.
 - 2. Winch shall include fully-enclosed gear set. Gear set shall be set in oil bath and sealed at factory to eliminate need for lubrication. The gear shaft shall connect directly to drum hoist without use of chain.
 - 3. Electric winch shall incorporate a special rotary limit switch.
 - 4. Provide hoist cable of sufficient length and 1/4-inch diameter, galvanized aircraft type (minimum of 7,000 pounds, ultimate).
- G. Height Adjusters: Provide at each practice backstops height adjustment unit for adjusting goal height to any position between 8 feet and 10 feet above floor. All backboards mounted on height adjustment unit shall be provided with limited lifetime warranty against breakage.
 - 1. Height adjustment unit shall include Center-Strut direct goal attachment to eliminate strain on backboard.
 - 2. Height adjustment shall be provided with height scale located on side of unit to visually determine height settings.
 - 3. Unit shall be fabricated with dual 2-3/16" square heavy wall, zinc plated heavy duty slide tubes. Tubes shall be welded to upper and lower clamps that attach securely to 6-5/8-inch diameter backstop mast. Tubes shall support heavy formed steel center channel which shall support the backboard and be drilled for direct goal attachment.
 - 4. Provide height adjustment with compact 115 volt, 60 Hz, electric gear motor type linear actuator providing 600 pound thrust capacity to raise and lower unit. Provide integral limit switches to automatically shut off when goal height reaches 8'-0" and 10'-0".
- H. Backstop Operating Control: All backstops shall operate from Gymnasium Control Center, specified below, including height adjusters.
- I. Safety Lock: Porter No. 10797-100 Saf-Strap lock, for protection against possibility of folding backstop accidentally falling during raising or lowering cycle or in storage.
 - 1. Unit shall not be affected by impact of basketballs and other objects.
 - 2. Lock shall be inertia-sensitive to automatically lock basketball backstop in position at any time in storage or during raising or lowering cycle due to sudden surge of speed created by possible malfunction of hoisting apparatus.
 - 3. Unit shall incorporate fully-automatic reset requiring no poles, ropes, levers or buttons.

- J. Retractor Reel: Porter No. 798, for retract both hoist cable and safety lock strap from play area when backstop is in down position.
 - K. Backstop Operating Control: All backstops shall operate from Gymnasium Control Center, specified below.
- 2.4 GYMNASIUM BASKETBALL BACKSTOPS, INSIDE PRACTICE COURTS
- A. Gymnasium Basketball Backstops, Inside Practice Courts: Porter No. 955, overhead-supported backstop vertical frame assembly.
 - 1. Frame assembly shall consist of main vertical support of 6-5/8-inch O.D. heavy wall structural tube with rear diagonal brace of 1-7/8-inch O.D. structural pipe.
 - 2. Top horizontal mast hinge spreader to be of heavy-wall 3-1/2-inch O.D. tubing, to form rigid triangular design.
 - 3. Backstop shall be supported from 3-1/2" O.D. pipe anchored to overhead framing members by means of heavy formed steel support fittings. Superstructure pipes shall be reinforced with bridging or bracing when truss centers exceed spans of 14'-0". All pipe ends when exposed shall be capped.
 - 4. Vertical frame assembly shall be suspended by adjustable hangers (with 2-inch adjustment) to provide for precise plumbing of frame during installation.
 - 5. Goal shall mount directly through backboard and into heavy structural steel weldment which shall be clamped to vertical 6-5/8" O.D. center support to eliminate strain should player hang on front-mounted goal. This direct mount feature shall conform to the NCAA recommendation which states that design of unit shall transfer load on goal directly to backboard support ("Center-Strut") so as to minimize stress to backboard.
 - 6. Backstop shall operate with 1-7/8" O.D. side brace assembly for proper adjustment during installation.
 - 7. Knee joint shall lock backboard in playing position by means of torsion spring within hinge assembly and shall be easily disengaged by upward force of hoist cable.
 - 8. Mounting frame assembly shall be factory primed and field finish painted as specified in Section 09 90 00 – Painting and Coating. Finish color shall be as indicated on the Drawings.
 - B. Backstop: Porter No. 208-300 Dura-Lam rectangular wood backboard, 72 inches by 42 inches by 1-9/16 inches thick, high-density wood composite core with 1/32-inch thick, smooth, satin-finished white polyethylene faces laminated to front and backside, with regulation perimeter striping and target markings in official orange as an integral part of the laminate on playing face of backboard.
 - 1. Wood core shall be 1-1/2 inches thick, 55 lb./cf density particle board.
 - 2. Provide threaded inserts (3/8" - 16) on backside for mounting.
 - C. Basketball Goals: Porter No. 00225-000 Super Goal, fabricated from 5/8-inch diameter high strength cold drawn alloy steel.
 - 1. Rim shall be rigidly braced by means of a 5/8-inch diameter cold-drawn alloy steel, round formed and welded in position for maximum support.

2. Goal assembly shall be capable of supporting up to 800 pound load on outer edge of rim and under extreme dynamic loading shall flex downward up to 2-3/4 inches without permanent set or deformation.
 3. Goal shall be finished in durable official orange powder coat finish.
 4. Provide plated mounting hardware.
 5. Provide one high-quality braided white cotton net with each goal.
- D. Backboard Padding: Porter No. 326 Pro Pad□ Bolt-On Backboard Padding, along bottom of backboard and up 15 inches on each side meeting NCAA/NFSHSA rules.
1. Pads shall be 2 inches thick molded form 9 lb. density polyurethane foam with integral skin.
 2. Provide color as selected by Architect from manufacturer's standard colors.
 3. Provide manufacturer's 8 year warranty.
- E. Operator: Remote-controlled, heavy-duty electric winch, designed to hold units at any position when raising or lowering.
1. Units shall be individually operated by 1/2 H.P. (9 AMP) capacitor type, 60 Hz, 115 VAC single phase electric motor with automatic thermal overload protection manufactured to NEMA specifications.
 2. Winch shall include fully-enclosed gear set. Gear set shall be set in oil bath and sealed at factory to eliminate need for lubrication. The gear shaft shall connect directly to drum hoist without use of chain.
 3. Electric winch shall incorporate a special rotary limit switch.
 4. Provide hoist cable of sufficient length and 1/4-inch diameter, galvanized aircraft type (minimum of 7,000 pounds, ultimate).
- F. Height Adjusters: Provide at each practice backstops height adjustment unit for adjusting goal height to any position between 8 feet and 10 feet above floor. All backboards mounted on height adjustment unit shall be provided with limited lifetime warranty against breakage.
1. Height adjustment unit shall include Center-Strut direct goal attachment to eliminate strain on backboard.
 2. Height adjustment shall be provided with height scale located on side of unit to visually determine height settings.
 3. Unit shall be fabricated with dual 2-3/16" square heavy wall, zinc plated heavy duty slide tubes. Tubes shall be welded to upper and lower clamps that attach securely to 6-5/8-inch diameter backstop mast. Tubes shall support heavy formed steel center channel which shall support the backboard and be drilled for direct goal attachment.
 4. Provide height adjustment with compact 115 volt, 60 Hz, electric gear motor type linear actuator providing 600 pound thrust capacity to raise and lower unit. Provide integral limit switches to automatically shut off when goal height reaches 8'-0" and 10'-0".
- G. Backstop Operating Control: All backstops shall operate from Gymnasium Control Center, specified below, including height adjusters.
- H. Safety Lock: Porter No. 10797-100 Saf-Strap lock, for protection against possibility of folding backstop accidentally falling during raising or lowering cycle or in storage.

1. Unit shall not be affected by impact of basketballs and other objects.
 2. Lock shall be inertia-sensitive to automatically lock basketball backstop in position at any time in storage or during raising or lowering cycle due to sudden surge of speed created by possible malfunction of hoisting apparatus.
 3. Unit shall incorporate fully-automatic reset requiring no poles, ropes, levers or buttons.
- I. Retractor Reel: Porter No. 798, for retract both hoist cable and safety lock strap from play area when backstop is in down position.

2.5 GYMNASIUM DIVIDER CURTAIN

- A. Gymnasium Center Divider Curtain: Porter Model 92082-100, Center-Roll□ Divider Curtain, width and height to suit installation condition indicated on the Drawings.
1. Divider curtain shall compactly store to dimension not to exceed 14 inches (35.56 cm) below structural attachment support without using cables or straps.
 2. Storage of nested curtain shall fit within 12-inch wide slot where necessary.
 3. Products having straps, wires or rollers touching the material as it unwinds will be unacceptable.
 4. Divider curtain shall roll neatly and compactly on grooved anodized aluminum batten tube, 3-inch diameter, specifically fabricated for this purpose.
 - a. Roll tube shall be located at exactly one-half total height of curtain material.
 - b. As roll tube rotates, it shall climb up to upper portion of curtain, rolling up top and bottom sections simultaneously.
- B. Curtain:
1. One-half of curtain shall be Porter Flexivide, heavy vinyl coated polyester material with weight of 19 oz. per square yard.
 - a. Material shall be flame-retardant, complying with standards of State of California Fire Marshall, UL214 and NFPA 701.
 - b. Color shall be as selected by Architect from manufacturer's full color selection.
 2. Other half of curtain shall be Porter Flexinet, durable, polyvinyl chloride coated, 7 x 5, 1000 denier polyester base fabric.
 - a. Mesh material shall be 80 to 85 percent open to provide air transfer in gymnasium.
 - b. Mesh color shall be as selected by Architect from manufacturer's full color selection.
 3. Upper and lower curtain sections shall roll flat and compact to overhead storage position by means of dual tubular-type motors (110 volt, 10 amp, single phase), gear reducer, break mechanism concealed inside horizontal batten tube.
 - a. Motors shall be equipped with UP and DOWN, push-button type limit switches complete with automatic reset and thermal overload protection.
 - b. Electrical power to each motor shall be accomplished by means of self-retracting cable reel system.

- c. Torque reaction of motors shall be contained in special, cantilevered-type tension strap mechanism that automatically retracts as curtain is raised to storage position.
- 4. Bottom of curtain shall have padded bottom support tube.
- 5. Curtain shall be equipped with safety strap units.
 - a. Safety straps units shall be inertia-sensitive to automatically lock curtain in position at stored position and at intermediate position during raising or lowering cycle due to sudden surge of speed created by possible malfunction of hoisting apparatus.
 - b. Safety strap units shall incorporate fully-automatic reset requiring no poles, ropes, levers or buttons.
- C. Divider Curtain Operating Controls: Curtain shall operate from Gymnasium Operating Control Center, specified below.
- D. Finish on Divider Curtain Metal Components: Factory primed for field finish painting as specified in Section 09 90 00 – Painting and Coating. Color shall be as indicated on the Drawings.

2.6 GYMNASIUM OPERATING CONTROL CENTER

- A. Gymnasium Operating Control Center: Porter No. 02500-000 Powr-Touch□ Control System, flush-mounted 3-position key pad assembly to operate all basketball backstops, gymnasium divider curtain and lighting.
 - 1. Control center shall include relay panels, each of which shall be capable of operating eight momentary controlled-type (up and down) equipment and two maintained relays for operation of lighting and other components.
 - 2. Powr-Touch keypads shall be designed to require constant pressure on pad button to control gymnasium operating components. Control of auxiliary equipment shall be accomplished by single touch of appropriate button.
 - 3. Coordinate control system with lighting controls specified in Division 26 - Electrical.
 - 4. Control system shall feature 4-digit programmable security code that allows use only be authorized individuals only.
 - a. Keypad security code may be easily reprogrammed at any time as desired to prevent unauthorized usage.
 - b. Keypad will automatically revert back to the secure mode if any button is not used within ten-second period.
 - 5. Provide conduits, outlet and junction boxes and conductors for fully-functioning remote control operation of electrically-operated gymnasium equipment.
- B. Control Center Mounting: Flush-mounted in standard two-gang electrical box with 12-volt control circuit to relay panels strategically located on walls or roof framing structure to minimize power conduit runs and electrical wiring.
 - 1. Size of each relay panel enclosure shall be 4 inches by 12 inches by 15 inches.
 - 2. Units shall be linked together and have minimum of 2 keypads for independent control of motors and lighting on each side of divider curtain.

3. Locate control center where indicated on the Drawings or, if not indicated, as directed.

2.7 VOLLEYBALL NETS AND ACCESSORIES

- A. Volleyball Nets and Accessories, General: Provide complete systems for multiple and single court arrangements, as indicated on the Drawings.
- B. Floor Sleeve and Cover Assemblies: Porter No. 873-200 sleeve-cover assembly, designed for use in movable/floating type wood flooring system, consisting of flush-type mounting frame with integral cover plate which is secured flush in playing floor by means of special adjustable-type, snap-in latch mechanism, to be anchored into concrete slab substrate and pass through wood flooring without imposing any load on wood flooring.
 1. Sleeve shall be 3-3/4 -inch OD heavy wall steel tubing, with bottom of sleeve capped with 4-inch diameter steel disk, extending 9 inches into grouted footing.
 2. Over assembly shall be special die-cast zinc material with durable, sealed brass-plated finish.
 3. Equip cover with heavy-duty, swivel-type retainer and special swivel retainer pin in collar to prevent theft. Provide special cover removal keys.
 4. Provide four neoprene pads between cover plate and mounting frame to eliminate vibration and undue sound from ball impact.
 5. Floor sleeve system shall be designed for installation after finished flooring is in place.
- C. Volleyball System: Porter No. 01991-000 "Powr-Line" competition volleyball system, consisting of winch post, end post, tensioning winch, markings and net. At multiple court arrangement, include center standard. Systems shall comply with USAV, NCAA, NFSHSA and NAGWS requirements.
 1. Standards: Telescoping type that does not extend above net or impede official's vision. Weight of each standard shall not exceed 41 pounds for the reel post and 37 pounds for the end standard.
 - a. Standards shall be constructed of 3-1/2-inch diameter 6063T6 type aluminum extrusion and finished with plastic molded foot to protect against gym floor damage.
 - b. Upper portion of telescoping standard shall have special rectangular configuration to eliminate rotation and shall be extruded from same aluminum alloy as bottom portion of standard.
 - c. Upper end of standard shall be equipped with integral 2-1/3-inch diameter steel pulley to reduce cable drag and unnecessary tension.
 - d. Upper telescoping portion of standard shall be micro-adjustable for net heights from 6'-1" to 7'-11-5/8" by means of special pressure locking T-handle mechanism.
 - e. Telescoping standard shall be internally counterbalanced to reduce possibility of standard accidentally falling or causing finger injuries while making height adjustments.
 - f. Bottom of standard and telescoping portion of standard shall be finished with durable clear anodized finish.
 - g. Standards shall include height-marking labels for ease in set-up.

2. Tensioning winch: Standards shall be equipped with Porter Powr Winch□ tensioning winch, self-locking ratchet mechanism with compression, disc-brake type release mechanism to eliminate danger of suddenly released cable tension when removing net.
 - a. Tensioning winch shall be furnished with 1-3/4-inch wide high-tensile nylon strap and durable snap hook.
 - b. Tensioning winch shall be furnished complete with removable handle to prevent unauthorized use.
- D. Volleyball Nets: Porter No. 02295-420 volleyball net, 32 feet by 39 inches with integral top cable.
 1. End hems shall be 6 inches wide to allow for durability and strength.
 2. Each end hem shall be equipped with three 1 inch wide polypropylene tensioning straps and 1/2-inch fiberglass dowels.
- E. Net Antenna: Porter No. 02296-100 net antenna with clamp, one pair per net assembly, with accompanying Porter No. 02297-000 Volleyball Net Boundary Markers.
 1. Net antenna shall incorporate antenna clamps as one complete unit. Clamps shall snap easily and securely into place.
 2. Net antenna shall be 3/8-inch by 6 feet long fiberglass dowels, alternately marked red and white.
 3. Net boundary markers shall be 2 inches (5.1 cm) wide durable white polyester-reinforced vinyl material with white Velcro attachment strip sewn in place, securing to volleyball net.
- F. Protective Padding: Porter No. 00839-000 Official Standard Pads. Padding shall extend to a height of 6 feet, 0 inches and shall comply with all current competition requirements as prescribed by the USAV, NFSHSA and NAGWS for player protection and safety
 1. Padding shall be constructed of firm, 1-1/4-inch thick closed cell (Ethafom) filler and covered in durable vinyl reinforced fabric.
 2. Courtside portion of each pad shall be furnished with 2-inch by 29-inch opening at top inside for attaching pad after net has been installed and properly height-adjusted and tensioned.
 3. Each pad shall be tailored with four vertical, miter-type hinge arrangements to fold around upright.
 4. When installed on uprights, pads shall provide a narrow profile of 7-1/2 inches by 11-1/4 inches to provide for maximum visibility for judges and spectators.
 5. Padding color shall be as indicated on the Drawings from manufacturer's full selection of colors.
- G. Net Storage System: Porter No. 00823-100 Triple Sidewinder□ Net Storage System.
 1. Description: System shall be designed to wrap and store three volleyball net on a free standing transportable rack to keep net clean and to minimize tangles while in storage.
 - a. Rack assembly shall rotate on support system to grasp headband of net and store net in compact cylindrical shape.
 - b. Rack shall pivot on steel shaft with a nylon thrust washer for ease of operation.

- c. Rack shall be rotated for compact net storage by means of a removable, socket-type handle.
 - 2. Construction: Heavy steel construction, finished with blue powder coat.
 - a. Rack assembly shall be supported by an off set type support assembly of 1 inch diameter heavy wall square steel tubing.
 - b. Base of unit shall be of heavy wall, 1 inch diameter square steel tubing with four non-marking 4-inch diameter swivel casters for ease of movement to and from storage areas.
 - H. Volleyball Storage/Transport System: Porter No. 00956-100 Volleyball Storage/Transport system.
 - 1. Heavy-duty steel transport frame shall be designed to store and transport six sleeve-type volleyball standards, one judge's stand with pads, three nets including antennae and three sets of upright pads.
 - 2. Construct frame constructed of heavy wall 2-1/2-inch by 1-1/2-inch rectangular steel tubing.
 - 3. Provide heavy formed steel hooks on side diagonal frame members for storage of standards. Hooks shall be covered in vinyl material to protect finish on upright posts.
 - 4. Provide large vinyl net storage pouch, with tunnel loops and Velcro flaps for attaching to transport volleyball storage/transport system.
 - 5. Equip bottom of transport with 20-inch by 48-inch vinyl-covered storage shelf for upright pads.
 - 6. Entire unit shall roll on four 3-1/2-inch diameter heavy-duty swivel casters.
 - 7. Overall size of unit shall be 4'- 0-3/8" in length, 3'- 2-1/4" in height and 2'- 6-1/4" in width, to allow transporter to pass through typical 3' wide doorway.
- 2.8 GYMNASIUM WALL PADS
- A. Gymnasium Wall Padding: Porter FR-SAFPAD No. 00345, certified fire-retardant wall padding wainscot panels.
 - 1. Backing: 7/16-inch thick oriented strand wood board.
 - 2. Foam padding: 2-inch thick open cell neoprene foam filler with density of 5.5 lb./ft and Indentation Force Deflection (IFD) of 25-45 lbs, factory bonded with approved adhesive to backing board.
 - 3. Facing fabric: Heavy (14-oz.) fire-retardant vinyl laminated, high tensile, polyester base fabric material with leather-like embossed finish.
 - 4. Adhesive: Type as recommended by manufacturer, with high flexibility factor, water-resistant, heat- and cold-resistant and with high bonding factor to products adhered.
 - B. Fire Characteristics: Entire pad, vinyl covering, foam padding and backing board, shall be certified by independent laboratory testing acceptable to authorities having jurisdiction including California State Fire Marshal, to comply with requirements for Class A flame spread and smoke density. Each panel shall have certification label attached to backside.
 - 1. Flame spread index: 25 or less, when tested according to ASTM E 84.

2. Smoke developed index: 300 or less, when tested according to ASTM E 84.

- C. Attachment: Porter No. 00345-100 wall attachment clip and Porter No. 00345-200 Z-clip channel mounting systems. Mounting systems shall permit individual panels to be removed for repair or replacement. Provide cutouts for switches, outlets, controls and other penetrating items.
- D. Wall Padding Fabrication: Factory-fabricated, 2'-0" wide by 6'-0" high, with 1 inch nailing margin top and bottom for securing panels to the wall. Entire face of panel, including 1 inch nailing margins, shall be covered with facing fabric. Provide cutouts in panels as necessary for outlets and switches and to suit Project conditions.

2.9 ELECTRONIC SCOREBOARDS

- A. Electronic Scoreboard: Fair-Play Model BB1610-4, indoor rated, all-purpose scoreboard, adaptable to basketball, volleyball and wrestling, with LED digit displays, UL-listed and -labeled, complete with mounting brackets.
 - 1. Size: 9 feet wide by 5 feet high by 8 inches deep.
 - 2. Approximate weight: 101 pounds.
 - 3. Electronics: Packaged in low-voltage, plug-in processor.
 - 4. Displays: Time (minutes, seconds and tenths of seconds), team scores, period, bonus, jump ball, "next possession", and changeable captions for basketball, volleyball and wrestling.
 - 5. Display digits: Made up of seven bar-type segments evenly illuminated by epoxy encapsulated LEDs. Digits shall be colored amber for game clock; red and green for other information and protected by an acrylic faceplate. Digit colors shall be determined exclusively by LED light to maximize color saturation. Non-illuminated areas on faceplate shall be screened with black, non-reflective paint to provide maximum contrast.
 - 6. Digit height: 12 inches for game clock and team scores and 10 inches for other display information.
 - a. Game clock: Display capacity up to "99:59".
 - b. Team scores: To "199".
 - c. Period: To "9".
 - d. Team fouls: To "99".
 - e. Personal fouls: To "9".
 - f. Player number (or Time Advantage Clock): "99".
 - g. Bonus or Double Bonus: Indicated by two arrows for each team.
 - 7. Captions: Adhesive-backed white vinyl permanently attached to cabinet as follows:
 - a. Home and Visitor: 6 inches high.
 - b. Bonus, Period, Fouls and Player: 4 inches high.
 - c. Possession: 3 inches high.

- d. Changeable captions: For volleyball and wrestling, same vinyl on aluminum plaques and shall be 4 inches high.
- 8. Accessories for scoreboard:
 - a. Fair-Play #350 electronic horn rated at 100dB at 10'-0".
 - b. One set Fair-Play ST-1410-4 Shot Timers.
- 9. Color: As selected by Architect from manufacturer's full selection, with appropriate trim colors.
- B. Remote Control Cable: Provide one length of two wire-shielded cable to connect from the control receptacle junction box to the top center of the scoreboard cabinet.
- C. Shot Clocks: Fair-Play Model ST-1400-2, for mounting on main court basketball backstop supports, with LED digit display.
 - 1. Cabinet size: 20 inches wide by 17 inches high by 6-1/2 inches deep.
 - 2. Mounting: Include hangers for mounting on basketball backstops.
 - 3. Cabinet color: Black.
 - 4. Weight: Approximately 35 lbs. each.
 - 5. Digit displays: Made up of seven bar-type segments evenly illuminated by epoxy encapsulated LEDs.
 - a. Digits shall be red in color and protected by acrylic faceplate.
 - b. Digit colors shall be determined exclusively by LED light to maximize color saturation.
 - 6. Faceplate: Non-illuminated areas shall be screened with black, non-reflective paint to provide maximum contrast.
 - a. Digit height: 12 inches.
 - b. Display capacity: To "99".
 - 7. Electronics: Packaged in low-voltage, plug-in processors accessible from the front of each cabinet.
 - 8. Power: 30 watts maximum, 120 VAC, 60 Hz for two displays.
 - 9. Controls: Fair-Play ST-70 Control exclusively for shot clock operation.
 - 10. Remote control cable: One length of two-wire shielded cable to connect from control receptacle junction box to each shot clock cabinet.
- D. Control Center: Manufacturer's standard microprocessor-based, 100 percent solid state wireless operator's control, to control all functions of scoreboard and with keyboard for input to alpha-numeric dot matrix LED displays.
 - 1. Provide one additional HC-70 or HH-70 Clock Handswitch for second operator.
 - 2. Provide one duplicate MP-70 Control allowing independent operation of two scoreboard system and providing a backup unit.
- E. Power and Signal Wiring: Provide floor jacks with engraved, polished brass faceplates to coordinate with power and audio equipment located in floor as necessary and in compliance

with applicable Code requirements. Refer to Division 26 - Electrical for basic electrical materials and methods requirements.

- F. Warranty: Manufacturer's 5 year warranty.

PART 3 - EXECUTION – NOT USED

END OF SECTION

DIVISION 12 – FURNISHINGS

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements

12 35 53 – LABORATORY CASEWORK

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Stock laboratory casework units with hardwood veneer finish.
- B. Accessories.

1.3 RELATED SECTIONS

- A. Section 12 36 53 Laboratory Countertops.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturers:
 - 1. Fisher Hamilton, Inc., Two Rivers, WI (920/793-1121, distributed by ISEC, Inc., Los Alamitos, CA 714/761-4010).
 - 2. Sheldon Laboratory Systems: Crystal Springs, MS (601/892-2731).
 - 3. Collegedale Casework, LLC, Collegedale, TN (423/238-4131)>
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Kewaunee Scientific Corp., Statesville, NC (704/873-7202).
 - 2. CampbellRhea, Paris, TN (901/642-4251) as distributed by SLI Laboratory Equipment, Inc., Brea, CA (714/671-0958).

2.2 HARDWOOD VENEER LABORATORY CASEWORK

- A. Specified Manufacturers: Fisher Hamilton, Inc., Two Rivers, WI (920/793-1121, distributed by ISEC, Inc., Los Alamitos, CA 714/761-4010).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.

1. Kewaunee Scientific Corp., Statesville, NC (704/873-7202).
 2. CampbellRhea, Paris, TN (901/642-4251) as distributed by SLI Laboratory Equipment, Inc., Brea, CA (714/671-0958).
- C. Hardwood Veneer Laboratory Casework, General:
1. Maximum Moisture Content for Lumber: 7 percent for hardwood and 12 percent for softwood.
 2. Hardwood Plywood: HPVA HP-1, either veneer core or particle core, unless otherwise indicated.
 3. Plastic Laminate: High-pressure decorative laminate complying with NEMA LD 3.
 4. Edgebanding for Wood-Veneered Construction: Minimum 1/8-inch- thick, solid wood of same species as face veneer.
- D. Exposed Materials: Provide materials that are selected and arranged for compatible grain and color. Do not use materials adjacent to one another that are noticeably dissimilar in color, grain, figure, or natural character markings.
1. Wood Species and Veneer Cut: White oak, rift cut.
 2. Stain Colors and Finishes: As selected by Architect from manufacturer's full range.
 3. Solid Wood: Clear hardwood lumber.
 4. Plywood: Hardwood plywood; Grade A exposed faces at least 1/50-inch thick, Grade J crossbands, and backs of same species as faces.
- E. Semi-Exposed Materials:
1. Solid Wood: Sound hardwood lumber, selected to eliminate appearance defects, of same species as exposed solid wood.
 2. Plywood: Hardwood plywood of same species as exposed plywood. Grade B faces, Grade J crossbands, and backs of same species as faces. Semiexposed backs of plywood with exposed faces shall be same species as faces.
 3. Metal for Steel Drawer Pans: Cold-rolled, carbon-steel sheet complying with ASTM A 1008/A 1008M; matte finish; suitable for exposed applications.
- F. Concealed Materials:
1. Solid Wood: Any hardwood or softwood species, with no defects affecting strength or utility.
 2. Plywood: Hardwood plywood. Concealed backs of plywood with exposed or semiexposed faces shall be same species as faces.
 3. Particleboard: Not permitted.
 4. Medium-Density Fiberboard: ANSI A208.2, Grade MD.
 5. Hardboard: AHA A135.4, Class 1 tempered.
- G. Glass for Glazed Doors: Clear tempered glass complying with ASTM C 1048, Kind FT, Condition A, Type I, Class 1, Quality q3; not less than 5.5 mm thick.

2.3 LABORATORY CASEWORK FABRICATION

- A. Construction: Provide wood-faced laboratory casework conforming to or exceeding minimum requirements of Woodwork Institute of California (WIC) Laboratory Grade.
 - 1. Style: Flush overlay with radiused edges.
 - 2. Veneer grain direction: Vertical on both doors and drawer fronts.
 - 3. Bottoms and Ends of Cabinets, Shelves, and Tops of Wall Cabinets and Tall Cabinets: 3/4-inch thick plywood.
 - 4. Base Cabinet Top Frames: 3/4-by-2-inch solid wood with mortise and tenon or doweled connections, glued and pinned or screwed.
 - 5. Base Cabinet Stretchers: 3/4-by-4-1/2-inch panel product strips or solid wood boards at front and back of cabinet, glued and pinned or screwed.
 - 6. Base Cabinet Subtops: 3/4-inch thick panel product glued and pinned or screwed.
 - 7. Backs of Cabinets: 3/4-inch thick plywood where exposed, 1/2-inch-thick plywood dadoed into sides, bottoms, and tops where not exposed.
 - 8. Drawer Fronts: 3/4-inch thick plywood or solid hardwood.
 - 9. Drawer Bodies: Steel drawer pans formed from 0.0359-inch-thick metal, metallic phosphate treated, and finished with manufacturer's standard 2-coat, baked-enamel finish consisting of prime coat and thermosetting topcoat with a minimum dry film thickness of 1 mil for topcoat and 2 mils for system.
 - 10. Doors 48 inches or Less in Height: 3/4-inch thick, with medium-density fiberboard cores and hardwood face veneers and crossbands.
 - 11. Doors More Than 48 inches in Height: 1-1/8 inches thick, with medium-density fiberboard cores and hardwood face veneers and crossbands.
 - 12. Stiles and Rails of Glazed Doors: 3/4-inch-thick solid hardwood.
- B. Leg Shoes: Vinyl or rubber, black, open-bottom type.
- C. Utility-Space Framing (If Applicable): Laboratory casework manufacturer's standard steel framing units consisting of 2 steel slotted channels complying with MFMA-2, not less than 1-5/8 inches square by 0.0966-inch thick, and connected together at top and bottom by U-shaped brackets made from 1-1/4-by-1/4-inch steel flat bars. Framing units may be made by welding specified channel material into rectangular frames instead of using U-shaped brackets.
- D. Base Molding: ASTM F 1861, Type TS (rubber, vulcanized thermoset) black, 4 inches in height. Provide on fronts and exposed sides of floor-mounted laboratory casework.
 - 1. Style: B, cove with top-set toe.
- E. Filler Strips and Utility-Space Closure Panels: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinet fronts.

2.4 HARDWOOD FINISH

- A. Preparation: Sand lumber and plywood for laboratory casework construction before assembling. Sand edges of doors, drawer fronts, and molded shapes with profile-edge

sander. Sand casework after assembling for uniform smoothness at least equivalent to that produced by 220 grit sanding and without machine marks, cross sanding, or other surface blemishes.

- B. Staining: Remove fibers and dust and apply stain to exposed and semiexposed surfaces as necessary to match approved Samples. Apply stain in a manner that will produce a consistent appearance. Apply wash-coat sealer before applying stain to closed-grain wood species.
- C. Chemical-Resistant Finish: Apply laboratory casework manufacturer's standard three-coat, chemical-resistant, transparent finish consisting of sealer and catalyzed topcoat(s). Sand and wipe clean between coats. Topcoat(s) may be omitted on concealed surfaces.
 - 1. Chemical and Physical Resistance of Finish System: Finish complies with acceptance levels of cabinet surface finish tests in SEFA 8. Acceptance level for chemical spot test shall be no more than four Level 3 conditions.

2.5 CASEWORK HARDWARE

- A. Casework Hardware, General: Provide laboratory casework manufacturer's standard satin-finish, commercial-quality, heavy-duty hardware complying with requirements indicated for each type.
- B. Hinges: Stainless-steel, 5-knuckle hinges complying with BHMA A156.9, Grade 1, with antifriction bearings and rounded tips. Provide 2 for doors 48 inches or less in height; 3 for doors more than 48 inches in height.
- C. Pulls: Stainless steel, U-shaped rod, 4 inches center-to-center, or chrome-plated brass; fastened from back with two screws. For sliding doors, provide stainless-steel or chrome-plated recessed flush pulls. Provide 2 pulls for drawers more than 24 inches in width. Pulls shall comply with California Building Code (CBC), Chapter 11B accessibility requirements.
- D. Door Catches: Nylon-roller spring catch or dual, self-aligning, permanent magnet catch. Provide 2 catches on doors more than 48 inches in height.
- E. Drawer Slides: Powder-coated, full-extension, self-closing, heavy-duty drawer slides; designed to prevent rebound when drawers are closed; with nylon-tired, ball-bearing rollers; and complying with BHMA A156.9, Type B05091, and rated for minimum 100 lbf (440 N) for drawers 4 inches and less depth and 120 lbf (530 N) for drawers over 4 inches in depth.
- F. Label Holders: Stainless steel, aluminum, or chrome plated; sized to receive standard label cards approximately 1 by 2 inches attached with screws or rivets. Provide on all drawers.
- G. Locks: R-1 Key way only (5 or 6 pin) to district Standard Master Key 4T23495 using .095 diameter brass pins. Master Keyed by site Keyed Alike by room in US26D as manufactured by either: Olympus Lock Co 500DR(door), 600DW(drawer), 400SD(sliding door), or Corbin Cabinet Lock 0737(door), 0738(drawer), 02292(sliding door)
- H. Provide minimum of three keys per keyed alike lock and three master keys.
- I. Sliding-Door Hardware Sets: Laboratory casework manufacturer's standard, to suit type and size of sliding-door units.
- J. Adjustable Shelf Supports: Mortise-type, powder-coated steel standards and shelf rests complying with BHMA A156.9, Types B04071 and B04091.

2.6 ACCESSORIES

A. Safety Glasses/Goggles Monitor:

1. Specified Manufacturer: CampbellRhea, Paris, TN (901/642-4251) as distributed by SLI Laboratory Equipment, Inc., Brea, CA (714/671-0958).
2. Acceptable Manufacturer: None identified. Equivalent products will be acceptable in accordance with the "or equal" provision of the General Conditions. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
3. Description: Model #6784 as manufactured by Campbell/Rhea, wall mounted, 24-1/2 inches wide by 32 inches high by 9-1/2 inches deep, steel cabinet with white enamel finish, locking double doors, built-in germicidal lamp with timer.

PART 3 - EXECUTION – NOT USED

END OF SECTION

12 36 53 – LABORATORY COUNTERTOPS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Molded, chemical-resistant laboratory countertops.
- B. Sinks, Troughs, Reagent Racks and Accessories.
- C. Mechanical service fittings.
- D. Electrical service fittings.

1.3 RELATED SECTIONS

- A. Section 12 35 53 Laboratory Casework.

PART 2 - PRODUCTS

2.1 LABORATORY COUNTERTOPS

- A. Tops, Box Curbs, Splash Rim: Provide smooth, clean exposed tops and edges in uniform plane free of defects. Make exposed edges and corners uniformly rounded.
- B. Top Thickness: 1 inch thickness, with tolerance not exceeding plus or minus 1/32-inch. Provide front and end overhang of 1 inch over base cabinets, formed with continuous drip groove on under surface 1/2-inch from edge.
- C. Cast Epoxy Resin Laboratory Countertops: Factory-molded tops of modified epoxy resin formulation, uniform mixture throughout full thickness. Provide in smooth, nonspecular finish of color indicated.
 - 1. Color: Black.
 - 2. Physical Properties: Comply with the following minimum requirements:
 - a. Flexural strength: 15,000 psi.
 - b. Compressive strength: 35,000 psi.
 - c. Hardness (Rockwell M): 100.
 - d. Water absorption (24 hrs): 0.02 percent (maximum).
 - e. Heat distortion point: 350 degrees F.
 - f. Thermal shock resistance: Highly resistant.

3. Chemical Resistance: Spot test with the following reagents in standard laboratory concentrations, in contact with finished top for 24 hours; top shall be entirely unaffected or show only slight dulling of finish:
 - a. Glacial acetic acid, nitric acid, sulfuric acid, ammonium hydroxide, sodium hydroxide, amyl acetate, benzene, ethyl acetate, ethyl ether, hydrogen peroxide, methyl ethyl ketone, phenol, trichloroethylene, zinc chloride, hydrochloric acid, phosphoric acid, chromic acid, calcium hypochlorite, acetone, aqua regia, butyl alcohol, ethyl alcohol, formaldehyde, methyl alcohol, kerosene, silver nitrate, xylene.
4. Workmanship: Cast surfaces very smooth, with factory cutouts for sinks and drip grooves. Fabricate plain butt-type joints assembled with epoxy adhesive and prefitted, concealed metal spline.

2.2 SINKS, TROUGHS, REAGENT RACKS AND ACCESSORIES

- A. Integral Sinks in Laboratory Countertops: Provide cast epoxy resin sinks, color to match countertops, molded in one piece with surfaces smooth, corners coved and bottom sloped to outlet.
 1. Sinks shall have minimum physical properties and chemical resistance as specified for cast epoxy resin tops.
 2. Provide 1/2-inch minimum thickness.
 3. Provide sizes as indicated or manufacturer's closest stock size of equal or greater volume, as acceptable to Architect.
- B. Outlets: 1-1/2-inch diameter, 6-inch minimum length, fabricated of silicon iron, cast epoxy resin, stainless steel, glass, or lead; of same material as sink wherever possible, or as otherwise acceptable to Architect/Engineer.
- C. Overflows: For each sink, except cup sinks, provide overflow of standard beehive or open top design and with separate strainer. Height 2 inches less than sink depth. Provide in same material as sink.
- D. Troughs: Cast epoxy resin, soapstone, or stainless steel, as indicated. Conform to requirements for materials and construction as specified for tops or sinks, or provide units as recommended by manufacturer and as acceptable to Architect/Engineer. Pitch to drains not less than 1/8-inch per foot.
- E. Reagent Racks: Single-faced or double-faced units as required, fabricated of manufacturer's standard design to suit type and composition of top units.
- F. Upright Rod Assembly and Metal Crossbar: Aluminum or stainless steel. Two vertical rods and one horizontal cross bar, 3/4-inch diameter and 36 inches long, unless otherwise shown; two flush-socket receptacles and two crossbar clamps. Taper ends of vertical rods to fit flush plates; all other rod ends rounded.
- G. Burette Rods: Aluminum or stainless steel rods, 1/2-inch diameter and 18 inches long, threaded on one end to suit tapered plug.
- H. Greenlaw Arm Assembly: Aluminum or stainless steel vertical rod, tapered on one end to suit flush socket receptacle. Adjustable crossbar of hardwood with black, acid-resistant finish, secured to upright with adjustable clamp.

2.3 MECHANICAL SERVICE FITTINGS

- A. Service Fittings: Provide units complete with washers, locknuts, unions, nipples and other accessories for positive mounting to supporting laboratory units. Include wall and deck flanges, escutcheons, handle extension rods, remote valves, and similar items required. Fabricate units to withstand test pressure of 100 psig.
- B. Material and Finish: Fabricate service fittings from cast or forged red brass containing a minimum of 85 percent copper. Provide exposed surfaces, including fittings, escutcheons, and trim, with a polished chrome-plated finish.
- C. Service Outlets Identification: Provide colored plastic index discs with embossed identification letters at each service fitting handle or knob. Secure discs to fitting handles to be virtually tamperproof. Color code discs as follows:

	<u>Service</u>	<u>Color</u>	<u>Code</u>	<u>Letter Color</u>
1.	Air	Orange	Air	Black
2.	Gas	Dark blue	Gas	White
3.	Vacuum	Yellow	Vac	Black
4.	Hot water	Red	HW	White
5.	Cold water	Dark green	CW	White
6.	Oxygen	Light green	Oxy	Black
7.	Hydrogen	Pink	Hyd	Black
8.	Nitrogen	Brown	Nit	White
9.	Special gases	Light blue	(as required)	Black

- D. Ground-Key-Type Hose Cocks: Tapered core and handle of one-piece forged brass, ground and lapped, held in place under constant spring pressure.
- E. Handles: Provide 3-arm or 4-arm forged brass handles for valves, stops, faucets, remote controls, and cocks, except for ground-key cocks, steam valves, and micro-adjustable needle cocks.
- F. Needle Valves: Provide units with renewable self-centering floating cones and renewable seats of stainless steel or monel metal.
- G. Water Valves and Faucets: Provide units with renewable barrel locked in valve body. Barrel shall contain all wearing parts, with renewable discs.
- H. Remote Control Valves: Although straight-through type are indicated, use angle valves wherever required.
- I. Hand of Fittings: Furnish right-hand fittings except where "L" is indicated on drawing symbol identification.
- J. Self-Closing Cocks: Wherever drawing symbols are followed by "SC," provide self-closing valves.
- K. Vacuum Breakers: Provide vacuum breakers on all water fittings (hot and cold).

2.4 ELECTRICAL SERVICE FITTINGS

- A. Service Fittings: Provide units complete with metal housing or box; necessary receptacles, terminals, switches, pilot lights, and device plates; and fittings and gaskets required for mounting on casework. All fittings UL labeled. Provide ground-fault circuit interrupters (GFCI) for fittings where indicated and when located in units containing water supplies or sinks.
- B. Pedestal Type Fittings: Cast aluminum housing complete with cover plates, neoprene gasket under base, and with receptacles or other devices as indicated. Fabricate units with sloped single face or double face, as indicated, and concealed mounting holes in base for attaching to casework. Provide holes tapped for conduits.
- C. Line-Type Fittings: Cast metal box with threaded holes for mounting on rigid steel conduit, complete with cover plates and with receptacles or other devices indicated.
- D. Recessed-Type Fittings: Galvanized steel outlet box, size as required, complete with cover plate and receptacles or other devices as indicated.
- E. Cover Plates: Provide stainless steel cover plates for AC outlets and devices, and laminated plastic plates for DC or combination AC/DC outlets and devices.
 - 1. Stainless steel, Type 302, satin finish, with formed beveled edges.
 - 2. Laminated plastic, 0.050-inch thick, with white core and black outer laminations.
- F. Cover Plate Identification: Identify cover plates at receptacles, switches, terminal posts and other locations as indicated. Provide 1/4-inch-high letters unless otherwise indicated.
 - 1. In addition, identify the following devices whether indicated on Drawings or not.
 - a. AC receptacles, other than standard 125 volt duplex, grounding type. Indicate voltage and phase.
 - b. Switches and thermal overload switches. Indicate equipment being controlled (e.g., "FUME HOOD FAN").
 - c. Pilot lights when located remotely from associated equipment or switch, where function is not obvious. Indicate equipment or circuit being energized.
 - 2. On laminated plastic, etch letters through outer lamination to white core.
 - 3. On stainless steel, either etch directly on plate or apply laminated plastic nameplates. Fill etched letters on cover plates with black enamel. Etch laminated plastic strips to provide white lettering on black background and securely fasten to cover plate with noncorrosive fasteners or epoxy adhesive.
- G. Finishes for Service Fitting Components: Furnish housings or boxes for pedestal-type and line-type fittings with manufacturer's standard finish.
 - 1. For painted surfaces, provide baked-on, chemical-resistant enamel in color as selected by Architect from manufacturer's standard.
 - 2. Provide galvanized finish on ferrous fittings.
 - 3. Provide ivory or brown colored receptacle and switch cores as selected by Architect.
- H. DC Receptacles and Terminal and Other Special Outlets: Provide as indicated on Drawings.
- I. Switches: As indicated on Drawings and specified in Division 26 - Electrical. Provide color to match receptacles.

PART 3 - EXECUTION – NOT USED

END OF SECTION

12 53 83 – PERFORMING ARTS CASEWORK

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Factory-manufactured musical instrument cabinet system.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Wenger Corporation, Owatonna, MN (507/455-4100).
- B. Acceptable Manufacturers: None identified. Equivalent products of other manufacturers will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.

2.2 MATERIALS

- A. Cabinet Wall Panels: 3/4-inch thick industrial (cabinet) grade medium density wood fiberboard, minimum 48 pcf with thermoset polyester cabinet liner (melamine not acceptable) laminated on both sides for totally finished construction. No backer sheets or unfinished surfaces may be used on unexposed sides. Color: Oyster.
- B. Cabinet Shelving:
 - 1. Cabinets up to 27 inches wide: One-piece high molecular blow-molded polyethylene with 1-3/8-inch radius front edge (Patented). Mount to cabinet walls with one-piece molded rigid ST nylon clip. Shelf is replaceable without damage to adjacent surfaces. Doweled shelves will not be permitted.
 - 2. Cabinets over 27 inches wide: One-piece high molecular formed polyethylene with radius front edge and 3/16-inch wall thickness. Ribbed for structural integrity. Supported by four structural tubular members 1-1/2 inches by 1 inch x 16 gauge wall thickness with 14 gauge welded end plates.
- C. Door Options:
 - 1. Wood doors: Same construction as cabinet wall panels except finish shall be as selected by Architect. Hinges shall be 5-knuckle institutional type hinge, supplied by ISO 9002 vendor.
 - a. Hinge will support 315 lbs. dynamic vertical load.
 - b. Hinge pin shall be 2-3/4-inch long.

- c. Fastened to cabinet and door with through-bolt construction; attachment by wood screws not acceptable.
 - d. Finish: Oyster powder-coated paint.
 - e. Provide two hinges on compartment doors and four on full height doors.
- 2. Grille doors: Welded steel grille construction with powder-coat finish, Oyster color. Welds at T-joints shall be 360 degrees. Hinges shall be 5-knuckle institutional type hinge, supplied by ISO 9002 vendor.
 - a. Hinge shall support 315 lbs. dynamic vertical load.
 - b. Hinge pin shall be 2-3/4 inches long.
 - c. Hinge shall be welded to door frame in five places.
 - d. Hinge shall be fastened to cabinet with through-bolt construction. Attachment by wood screws will not be acceptable.
 - e. Finish: Oyster powder-coated paint.
 - f. Provide two hinges on compartment doors and four on full height doors.
- 3. Locking slide-bolt: All doors shall be factory provided with locking slide-bolt designed for padlocks, with formed steel strike plate through-bolt connected to cabinet end panel; 12 gauge steel. Provide clear plastic label holder for identification card insert. Finish shall be powder-coated paint coating, Oyster color.
- D. Edging: Heat bonded 3mm beveled PVC edge-banding, machine applied using hot-melt adhesives, edges and corners machine profiled for safety, integral Oyster color.
- E. Finish Hardware:
 - 1. Joinery Hardware: 2-inch, 1/4-20 panel connectors with 15 mm head diameter, and steel thread inserts shall be utilized to join desired cabinets side-to-side; use factory jigged and drilled joinery holes. Finish shall be powder-coated paint, Oyster color.
 - 2. Cabinet levelers: Structural levelers each cabinet, accessible from within the unit when desired, concealed in complete installation; glides with minimum 3/8-inch diameter threaded rod mounted in steel corner brackets. Provide minimum four glides per cabinet, six glides for cabinets with divider panels.
- F. Cabinet Back Panel: Standard cabinet back to be 1/4-inch thick prefinished hardboard, Oyster color to match interior of side and top panels.

2.3 CLOSURE OPTIONS

- A. Vertical Closure Kit: Provide visual closure between wall and cabinet, constructed of 3/4-inch thick thermoset polyester composite wood to match cabinet side panels, Oyster color. Closure shall fit 3/4-inch to 30 inches wide openings.
- B. Horizontal Closure Kit: Provide visual closure between top of cabinet and soffit, constructed of 3/4-inch thick thermoset polyester composite wood to match cabinet side panels, Oyster color. Closure shall fit 3/4-inch to 30 inches high openings.
- C. Top Back Filler Kit: Provide visual closure between back wall and top panel of cabinet, constructed of 3/4-inch thick thermoset polyester composite wood to match cabinet top panels, Oyster color. Filler shall fit 10-inch and 20-inch deep openings.

- D. Finished Back Panel: Provide panel to attach to exposed cabinet backs, constructed of 1/2-inch thick thermoset polyester composite wood to match cabinet, Oyster color.

2.4 FABRICATION

- A. FFabricate and package all components in the factory and ship fully assembled or ready to assemble

PART 3 - EXECUTION – NOT USED

END OF SECTION

DIVISION 13 – SPECIAL CONSTRUCTION

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements

13 31 00 – FABRIC STRUCTURES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Fabric structures.
- B. Anchors, Fasteners and Accessory Materials.
- C. Steel Structure Fabrication.
- D. Fabric Fabrication.

PART 2 - PRODUCTS

2.1 FABRIC STRUCTURES

- A. Specified Manufacturer: Sun Ports International, Inc., Dallas TX (800/966-5005).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. Shade Structures, Inc., Irvine, CA (949/250-9551 or 800/507-4233).
 - 2. Shade Sails, LLC, Huntington Beach, CA (714/969-374-8925).
- C. Cast in Place Concrete: Minimum 3000 psi 28 day compressive strength and complying with requirements specified in Section 03 10 00 - Concrete Forming and Accessories, Section 03 20 00 - Concrete Reinforcing and Section 03 30 00 - Cast-in-Place Concrete.
- D. Structural Design: By fabric structure manufacturer.
 - 1. Conform to requirements of California Building Code (CBC), Chapter 22A, including special inspection provisions.
 - 2. Design and detailing of structural steel shall comply with American Institute of Steel Construction (AISC) - Specification for the Design, Fabrication and Erection of Structural Steel for Buildings (Including Commentary and Supplements) and AISC - Code of Standard Practice for Steel Buildings and Bridges.
- E. Structural Steel:
 - 1. Steel shapes, bars and plates: ASTM A 36.
 - 2. Structural steel pipe: ASTM A53, Grade B, Type E or S.

3. Slip fittings: Manufactured using drawn-over-mandrel steel with a minimum yield strength of 70 ksi and a minimum tensile strength of 80 ksi.
 4. Steel telescoped sleeves shall not have more than 1/16-inch tolerance, with no less than 4-inch overlap at all sleeves.
 5. Internal fittings: Welded on one side.
- F. Anchor Bolts: Conform to ASTM A 307, Grade C. Provide non-headed type, bent, with ASTM A 563 Grade A hexagonal nuts, unless indicated on the Contract Drawings.
- G. Standard Threaded Fasteners:
1. Standard bolts: ASTM A 307, Grade A.
 2. Plain washers: ASTM F 844 plain (flat) unhardened steel washers.
 3. Nuts: ASTM A 563, Heavy Hex, Grade B, plain (non-zinc coated).
- H. High-Strength Threaded Fasteners:
1. Heavy hex structural bolts: ASTM A 325, Type 1, Supplementary Requirements S.1, with threads included in shear plane and marked "A 325 T," unless otherwise noted on Contract Drawings.
 - a. Conform to the provisions of California Building Code (CBC), Chapter 22A, Division IV.
 - b. Manufacture with identifying mark placed on top of the head.
 2. Washers:
 - a. Hardened Type: ASTM F 436, Type 1, style as required.
 - b. Direct Tension Load Indicating Type: ASTM F 959 Type 325 or Type 490.
 3. Nuts: ASTM A 563, Heavy Hex, Grade C, plain (non-zinc coated).
- I. Welding Materials: AWS D1.1, type as required for materials being welded. Provide electrodes as indicated on reviewed shop drawings.
- J. Wire Rope: Nominal 1/4-inch diameter, stainless steel, 7 strand, 19 wires per strand (minimum), with minimum nominal tensile strength of 9,000 pounds.
- K. Hardware: Cable fittings, connectors and attachments as standard with manufacturer, marine grade stainless steel, according to reviewed shop drawings.
- L. Fabric: Woven high-density polyethylene shade cloth with UV stabilizers, monofilament and tape construction for stable material, Raschel-knitted to ensure material will not unravel if cut, with coatings of DuPont Teflon polytetrafluoroethylene (PTFE).
1. Thickness: As determined by fabric structure manufacturer for design loads and warranty criteria.
 2. Color: As indicated on the Drawings or, if not indicated, as selected by Architect.
 3. Fire characteristics: Rated flame-resistant, approved by California State Fire Marshal for intended use, with independent certification according to NFPA 701 - Fire Tests for Flame-Resistant Textiles and Fabrics.
- M. Thread: High-strength, low-shrinkage PTFE (Teflon) treated thread, as standard with fabric structure manufacturer, suitable for wide temperature range, flex- and abrasion-resistant

and immune to UV radiation. Thread shall be unaffected by cleaning agents, acid rain, mildew, rot, chlorine, saltwater and industrial pollutants.

1. Lockstitch thread: 1200 Denier.
2. Chainstitch thread: 2400 Denier.

- N. Grout: Non-shrink type, 7000 psi minimum compressive strength, as specified in Section 05 05 23 - Metal Fastenings.

2.2 ANCHORS, FASTENERS AND ACCESSORY MATERIALS

- A. Anchors and Fasteners, General: Provide tamper-proof fasteners. Fasteners shall be galvanized steel or stainless steel. Comply with general requirements for anchors and fasteners specified in Section 05 05 23 – Metal Fastenings.
- B. Type, Size and Spacing: Unless otherwise indicated, provide fasteners of type, grade and class required for intended use and sized and spaced as required for loads and substrate.
- C. Concrete Anchors: Expansion-type, as specified in Section 05 05 23 – Metal Fastenings, size as recommended by manufacturer for Project conditions.
1. Provide stainless steel fasteners typically.
 2. Provide expansion type anchors into concrete. Powder-actuated driven fasteners will not be acceptable.
- D. Grout: Non-shrink, non-metallic type, as specified in Section 05 05 23 – Metal Fastenings.

2.3 STEEL STRUCTURE FABRICATION

- A. Structural Steel Fabrication and Assembly: Fabricate structural steel in accordance with the AISC Specification and California Building Code (CBC) Chapter 22A, Division IX, Section 2251, Chapter M. Special inspection of structural steel fabrication is required unless approved fabricator, as described in California Building Code (CBC) Chapter 17A, Section 1701A.7, is employed and determined to be acceptable by Division of the State Architect (DSA), Structural Safety Section.
- B. Holes: Provide holes in structural steel as necessary for securing fabric structure components other Work to be secured to or pass through structural steel framing.
1. Cut, drill, or punch holes perpendicular to metal surfaces.
 2. Do not flame-cut holes or enlarge holes by burning.
- C. Shop Connections: Make shop connections by welding unless specifically noted on Structural Contract Drawings. Assemble and weld built-up sections by methods that will maintain true alignment of axes without warp.
1. General connections: Make welded connections by shielded-arc method in accordance with AWS D1.1.
 - a. Welding shall be done in the shop unless otherwise shown or specified.
 - b. Prior to welding, preheat members in accordance with AISC Section J2.7.
 - c. Welds exposed in the finished work shall be ground and dressed smooth to preserve the shape and profile of the welded item.

- d. All welds not otherwise identified shall be continuous fillet welds, with size based on AISC standards for thicker part being joined.
 - 2. Welding of structural steel: Verify that weld sizes, fabrication sequence, and equipment used for architecturally exposed structural steel will limit distortions to allowable tolerances. Prevent surface bleeding of back-side welding on exposed steel surfaces. Grind smooth exposed fillet welds 1/2-inch and larger. Grind flush butt welds. Dress exposed welds. All steel shall be welded shut at terminations to prevent internal leakage.
 - 3. Inspection: All shop welding shall be continuously inspected by AWS Certified Welding Inspector (CWI) employed by testing and inspection agency.
 - D. Field Connections: Provide bolted connections, except where welded connections are indicated on Structural Contract Drawings.
 - E. Weld Finishing: Grind and dress smooth all welds exposed in finished Work to preserve shape and profile of structural framing member.
- 2.4 FABRIC FABRICATION
- A. Cut shade fabric to suit configuration of fabric structure, allowing for stretch and shrinkage, for fabric panels with wrinkling and other deformities.
 - B. Fabricate fabric panels with stainless steel cable double lock-stitched into perimeter.
 - C. Strengthen all corners strengthened with 16 oz. non-tear vinyl material.
 - D. Sew protective webbing into all areas where steel cable enters/ exits cloth pockets.

PART 3 - EXECUTION – NOT USED

END OF SECTION

DIVISION 14 – CONVEYING EQUIPMENT

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements

14 42 00 – WHEELCHAIR LIFTS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Electric-powered, interior platform (wheelchair) lift.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Concord Elevator, Inc., Brampton, Ontario, Canada (905/791-5555 or 800/661-5112).
- B. Acceptable Manufacturers: Equivalent products of the manufacturers listed below will be acceptable in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.
 - 1. American Stair-Glide Division, Access Industries, Inc., Grandview, MO (816/763-3100 or 800/825-1220).
 - 2. National Wheel-O-Vator Co., Inc., Roanoke, IL (800/551-9095).

2.2 WHEELCHAIR LIFTS

- A. Platform (Wheelchair) Lift: Concord P.A.L-S, complying with all applicable provisions of ANSI A17.1, State of California Division of Industrial Safety regulations and wheelchair accessibility and dependent persons use requirements of California Building Code (CBC).
- B. Lift Capacity: 750 pounds, minimum.
- C. Rated Travel Speed: 15 feet per minute minimum.
- D. Lifting Height: As indicated on the Drawings.
- E. Landings: Provide 60-inch by 60-inch clear landings at each level in compliance with California Building Code (CBC) Section 1116B.2.4.1.
- F. Platform: Exit/entry configuration as indicated on the Drawings, with non-skid surface.
 - 1. Straight-through access: Provide minimum clear platform dimensions of 36 inches wide by 48 inches deep.
 - 2. Side access: Minimum clear platform dimensions of 42 inches wide by 60 inches deep.

- 3. Ramp: Design shall not require ramp. Provide depressed floor area (pit) at wheelchair lift so platform stops flush with adjoining finish floor surface at bottom landing.
- G. Enclosure Panels: 42 inches high, smooth and solid sheet metal, with configuration to suit conditions indicated on the Drawings.
- H. Motor: As standard with manufacturer for specified capacity and travel speed. Provide electrical power characteristics to suit available power. See electrical Drawings for additional information.
- I. Drive: 1:2 cable hydraulic drive system.
- J. Components: Provide the following:
 - 1. Re-leveling device.
 - 2. Automatic, spring-activated, electrically-released brake, mounted to ball screw shaft.
 - 3. Grounded electrical system with upper, lower and final limit switches and 24-volt AC operating controls.
 - 4. Obstruction sensor mounted on platform underpanel.
 - 5. 42-inch high self-closing doors, on platform and at top landing.
 - a. Provide 36-inch wide doors at straight-access lift.
 - b. Provide 44-inch wide doors at side-access lift.
 - c. Provide lever handles at doors and gates.
- K. Safety Devices: Provide the following:
 - 1. Electro-mechanical interlocks which allow platform movement only when doors and gates are closed and locked.
 - 2. Emergency stop and alarm devices to preventing uncontrolled downward movement and to stop downward travel if an obstruction is encountered.
 - 3. Emergency stop switch which shuts off power to lift.
 - 4. Safety pan cover and shut-off.
 - 5. Battery back-up for lowering platform in event of power or component failure, in compliance with the California Building Code (CBC).
- L. Controls: Comply with DSA Policy 95-05.
 - 1. Platform controls: Paddle switch, capable of being operated by hand, arm or elbow. Imprint paddle-switches UP and DOWN. Provide controls accessible from both sides of platform.
 - 2. Terminal controls: Manufacturer's standard call switches at upper and lower terminals.
- M. Finish: Factory paint finish, custom off-white or gray color, to match sample furnished by Architect.
- N. Signage: Comply with California Elevator Safety Construction Code, Article 7-15, Section 7-3094.2(i), including indications of the following:
 - 1. International symbol for accessibility.
 - 2. Lift shall not be used to transport materials or equipment.

3. Lift capacity.
4. Telephone number to call in case of emergency.

PART 3 - EXECUTION – NOT USED

END OF SECTION

DIVISION 22 – PLUMBING

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements.

22 00 00 – PLUMBING

PART 4 - GENERAL

4.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

4.2 SECTION INCLUDES:

- A. Furnish, install, test, and guarantee a completely operable and approved Plumbing system, which is in full compliance with all Contract Documents, as indicated on the drawings, described herein, and as otherwise required.
- B. This section describes interior and exterior plumbing systems.
- C. Provide Plumbing Submittals and Shop drawings.
- D. A complete system of sanitary sewer piping and venting.
- E. Roof drains, overflow drains and rainwater piping systems.
- F. A complete domestic hot and cold water piping distribution system, including provisions for all plumbing fixtures and equipment. Provide connections to fixtures and equipment. Provide disinfection.
- G. Condensate system for HVAC equipment.
- H. Natural gas piping systems.
- I. A complete system of acid waste including neutralization tanks and monitors.
- J. Pipe hangers and other necessary support items.
- K. Plumbing equipment such as water booster pumps, circulating pumps, water heaters and sump pumps.
- L. Excavating and backfilling.
- M. All Testing required and provide certificates.
- N. Record Drawings.

PART 5 - PRODUCTS

5.1 SYSTEMS

- A. Sanitary Sewer and Vent Systems
 - 1. Above Grade - Concealed and Within Building - Hubless service weight cast iron pipe and fittings, coated inside and outside per ASTM A-74. Joints shall be made with Mission Bands Model #C220hw, #C-564 neoprene rubber, #A240A band (80 lb.) or Husky heavy weight bands. Heavy weight bands shall be sleeve type assemblies of neoprene inner gaskets and 304 stainless steel multiple clamps and outer shield 304 stainless

steel. Above ground vents can have 301 stainless steel bands. All pipe and fittings to comply with California Plumbing Code 1998.

2. Below Grade - Under Building and to Site System - Hub and spigot service weight cast iron pipe and fittings per ASTM A-74, coated inside and outside, and joints made with "Ty-Seal" neoprene compression type gasket or Hubless service weight cast iron pipe and fittings with cast iron pipe couplings equal to MG Piping Products Co.

B. Rainwater Drainage Systems

1. Above Grade - Concealed and Within Building - Hubless service weight cast iron pipe and fittings, coated inside and outside per ASTM A-74. Joints shall be made with Mission Bands Model #C220hw, #C-564 neoprene rubber, #A240A band (80 lb.) or Husky heavy weight bands. Heavy weight bands shall be sleeve type assemblies of neoprene inner gaskets and 304 stainless steel multiple clamps and outer shield 304 stainless steel. Above ground vents can have 301 stainless steel bands. All pipe and fittings to comply with California Plumbing Code 1998.
2. Above Grade - Exposed or on the Outside of the Building - Galvanized iron pipe and fittings, coated inside and outside per ASTM A-74. Joints shall be made with threaded joints. All pipe and fittings to comply with California Plumbing Code. All exterior pipe shall be primed with primer paint. A second coat of enamel paint shall be applied over the primer. The color of the second coat of paint shall match the color of the exterior wall.
3. Below Grade - Under Building and to Site System - Hub and spigot service weight cast iron pipe and fittings per ASTM A-74, coated inside and outside, and joints made with "Ty-Seal" neoprene compression type gasket or Hubless service weight cast iron pipe and fittings with cast iron pipe couplings equal to MG Piping Products Co.

C. Domestic Water System

1. Above Grade Piping System - Type "L" hard temper seamless copper tubing per ASTM B-88, and wrought solder joint: fittings per ANSI B16.22, or cast bronze solder joint fittings per ANSI B16.18. Use 95-5 tin-antimony solder. All exterior water pipe shall be primed with primer paint. A second coat of enamel paint shall be applied over the primer. The color of the second coat of paint shall match the color of the exterior wall.
2. Below Grade Piping System - From Building to Site System: Type "K" hard temper seamless copper tubing per ASTM B-88. Fittings shall be wrought solder joint per ANSI B16.22, or cast bronze solder joint per ANSI B16.18. Use 1000oF silver solder.
3. Above Grade Valves - 3/4" pipe size and smaller - water shut off valves shall be Nibco T-595-y-66 or equal. Above ground 1" pipe size and greater - water shut off valves shall be Nibco 585 or Hammond 567 valves.
4. Below Grade Valves 2" size and smaller shall be Ford Ball Valve type with F.I.P. threads on both sides. Ford Ball Valve shall be heavy cast bronze with 300 PSI working pressure. Underground water service valves 2 1/2" size shall be Jones Tee head type with F.I.P. threads on both sides. Underground water service valves 3" size and larger shall be Mueller keyed head resilient wedge gate valves Model #2360 or Clow 6100 water keyed valve. Both Mueller and Clow valve shall be certified to NSF61 and both shall meet AWWA Standard C509. Gate valves shall not be installed in water services below 2 1/2".

D. Natural Gas System

1. Above Grade Piping System - Within Building - Schedule 40 black steel with 150-PSI malleable iron screwed or flanged fittings.
2. Above Grade Piping System - Outside of Building - Galvanized Schedule 40 steel with 150-PSI malleable iron screwed or flanged fittings. All exterior pipe shall be primed with primer paint. A second coat of enamel paint shall be applied over the primer. The color of the second coat of paint shall match the color of the exterior wall.
3. Below Grade Site Piping System - Site system shall extend from gas meter's transition riser to pressure regulator's transition riser. Piping and fittings - Polyethylene (PE) pipe shall comply with PE 2406 from the Plastics Pipe Institute Material Designation and shall comply with ASTM D2513 and ASTM D3261. PE pipe shall be rated for internal pressure of 76 PSI (3" and below) at 73 degrees F. Acceptable manufacture shall be Driscopipe 6500 from Phillips 66 and Poly Pipe PE2406. Provide only butt heat fusion joining of pipe and fittings. Sidewall fusion or tapping tees are not acceptable.
4. Transition Riser - Below Grade to Above Grade - Provide one-piece natural gas transition riser from PE pipe to steel pipe. The schedule 80 steel section of the riser shall be epoxy coated. The transition riser shall meet NFPA-58-1992 and ASTM-D2513. Transition Riser (from Polyethylene pipe to galvanized steel) - Special one-piece transition riser from polyethylene pipe to epoxy coated galvanized steel pipe shall be used where the gas piping extends from below grade to above grade. Epoxy coated pipe riser shall extend to a minimum of 8" above grade.
5. All underground plastic pipe shall have a 14 gauge insulated tracer wire wrapped around pipe and fittings and extend to ends of pipe run. The tracer wire shall extend 6 inches above grade at the ends of the piping systems. Provide warning tape a12" above pipe.
6. Pressure Regulators - Gas pressure regulators from 5 lbs. to 7 inches of water shall be American 1813 C.
7. Gas shut off valves for 5 lbs. and greater shall be Nordstrom B142. Gas shut off valves below 5 lbs. shall be McDonald valves with pressure rating of 5lbs.

E. Condensate System

1. Above Grade - Type "M" hard temper seamless copper tubing. Wrought solder Type "M" fittings. Use 95-5 tin-antimony solder. Maintain a minimum slope of an 1/8" per foot.

F. Acid - Waste System

1. Above and Below Grade Piping - Through and in Non-Rated Walls
 - a. Polypropylene Piping System Manufacturer: Orion
 - b. Product type: Blueline Polypropylene Schedule 40 "Proxylene".
 - c. Piping systems including piping, sink arms, traps, fittings, etc. shall be fire retardant, thermoplastic material with resistance to most common organic and mineral acids, their salts, strong and weak alkalies and most organic chemicals. Proxylene qualifies for UL certification of V-2 when tested under UL Subject 94 in thickness of .150 and over. Based on parameters under ASTM D635, Proxylene also meets established industry criteria for self-extinguishing. Proxylene qualifies under ASTM D2843 smoke chamber test with a maximum value less than 50.

2. Above Grade Piping - Through and in Rated Walls
 - a. Polyvinylidene Fluoride Piping System Manufacturer: Orion
 - b. Product type: Kynar brand Polyvinylidene Fluoride (PVDF).
 - c. Piping systems including piping, sink arms, traps, fittings, etc. shall be certified to meet ASTM E-84 and UL 723 Standards for flame spread and smoke generation. PVDF shall be resistant to most common organic and mineral acids, their salts, strong and weak alkalies and most organic chemicals.
3. Above Grade Fittings - Non-rated walls
 - a. Polypropylene Piping System Manufacturer: Orion
 - b. Product type: Blueline Polypropylene Schedule 40 "Proxylene".
 - c. Joints shall be mechanical type.
4. Above Grade Fittings - Rated walls
 - a. Polyvinylidene Fluoride Piping System Manufacturer: Orion
 - b. Product type: Kynar brand Polyvinylidene Fluoride (PVDF).
 - c. Joints shall be mechanical type.
5. Below Grade Fittings
 - a. Polyvinylidene Fluoride Piping System Manufacturer: Orion
 - b. Product type: Kynar brand Polyvinylidene Fluoride (PVDF).
 - c. Joints shall be electric fuse type, "Rionfuse".
6. Acid Waste Monitoring System
 - a. Provide an Orion pH Monitor II with associated accessories. Provide conduit and cable from neutralization tank to Orion pH Monitor II. Orion pH Monitor II shall have a pH analyzer, low and high pH alarm light, audible alarm and silence button, NEMA 4X recessed enclosure. Provide pH probe with 35 feet of shield cable.

G. Yard Boxes

1. Provide yard boxes for all below grade valves and regulators.
2. Yard boxes shall be manufactured by Associated Concrete Products, Inc. (ACP). Yard boxes shall be "Quikset" type and be constructed of "Type 2" cement. Provide adjustment rings as necessary to keep cover level with grade. Provide top ring and "TE-1000" traffic cover. Traffic cover shall be galvanized. The top of the cover shall be labeled with the type of system it is being used for.

5.2 PIPE SUPPORTS

- A. Hangers shall be Clevis type equal to B-Line B3100 Standard Clevis Hanger.
- B. Pipe Clamp shall be Bolt and Clamp type equal to B-Line B3140 Bolt Pipe Clamp.
- C. Complete hanger system shall comply with be B-Line Seismic Restraints or equal.

- D. Roof pipe supports shall be Pipe Pier, flexible resilient closed-cell polyethylene foam (ETHAFOAM brand - trade mark of the Dow Chemical Company), with strut system built into foam block.

5.3 PLUMBING FIXTURES AND COMPONENTS

A. General

- 1. All water closets, urinals, lavatories and service sinks shall be of the same manufacturer. All stainless steel sinks shall be of the same manufacturer. All floor sinks and floor drains shall be of the same manufacturer. All flush valves shall be of the same manufacturer. All faucets shall be of the same manufacturer. All accessible plumbing fixtures shall comply with all of the requirements of CBC Section 1115B. Heights and location of all fixtures shall be according to CBC Table 1115B-1. Fixture controls shall comply with CBC Section 1118B.
- 2. No motion actuated fixtures/sensors flush valves, faucets, wash sinks, showers, solenoids

B. Water Closets

- 1. Vitreous China - Comparable fixtures manufactured by Kohler, American Standard, and Eljer are acceptable. Fixtures shall be white, unless otherwise specified. Water closet seats manufactured by Beneke and Olsonite are acceptable. Flush valves manufactured by Zurn are acceptable.
- 2. Vitreous china siphon jet elongated bowl, top spud flush valve. White heavy duty, solid plastic, open front seat with stainless steel hinge posts and concealed check.
- 3. Provide appropriate carriers, coordinated with pipe chase and fitting type requirements.

C. Urinals

- 1. Vitreous China - Comparable fixtures manufactured by Kohler, American Standard, and Eljer are acceptable. Fixtures shall be white, unless otherwise specified. Flush valves manufactured by Zurn are acceptable.
- 2. Urinals shall have brass nipples for dirty arms. No equals.
- 3. Vitreous china urinal with top spud flush valve, and strainer with china grate.
- 4. Provide appropriate carriers, coordinated with pipe chase and fitting type requirements.

D. Lavatories

- 1. Vitreous China - Comparable fixtures manufactured by Kohler, American Standard, and Eljer are acceptable. Fixtures shall be white, unless otherwise specified. Faucets manufactured by Chicago are acceptable.
- 2. Countertop - Vitreous china, self-rimming oval lavatory with faucet.
- 3. Wall Hung - Vitreous china lavatory with faucet and wall carriers.
- 4. Modified Acrylic / Polymer Solid Surface - Comparable fixtures manufactured by Willoughby Industries or Bradley. Faucets shall be integral with the lavatory.

- E. Stainless Steel Sinks - Comparable fixtures manufactured by Elkay or Just. All stainless steel sinks are to minimum of 18-gauge. Faucets for stainless steel sinks shall be manufactured Chicago, Elkay or Just.
 - 1. Countertop - self-rimming stainless steel sink with faucet.
- F. Showers
 - 1. Standard and ADA compliant with tile enclosure. Provide stainless steel showerhead with 2.2 GPM spray, chrome plated shower arm and chrome plated escutcheon. Provide pressure balance mixing valve and floor drain with chrome-plated strainer. For ADA showers provide showerhead on flex hose and slide bar. Manufactures shall be Chicago or Elkay.
 - 2. Emergency Shower and eye wash. Showerhead and eye wash shall be made of ABS colored plastic. Rigid stainless steel pull rod. Galvanized metal support pipe and floor flange. Manufactures shall be Bradley or Haws.
- G. Emergency Eye Wash
 - 1. Emergency eyewash shall be made of ABS colored plastic. Countertop swing-away type. Manufactures shall be Bradley or Haws.
- H. Drinking Fountains - Wall mounted drinking fountains shall be stainless steel type. Exterior pedestal mounted drinking fountains shall be exposed aggregate reinforced concrete type. Comparable fixtures shall be manufactured by Haws or Elkay.
- I. Roof and Overflow Drains - Comparable items manufactured by J.R. Smith and Zurn are acceptable.
 - 1. Roof Drains - Cast iron drains with flashing collar and cast iron dome. Furnish extension for insulated roofs. Under-deck clamp for all but poured-in-place installations. Outlet connection type shall be compatible with piping system. Provide lead flashing for all roof drains.
 - 2. Overflow Roof Drains - Cast iron drains with flashing collar and cast iron dome. Provide 2" high water dam. Installation of the drain assembly, the top of the dam shall be a minimum of 2" above the adjacent finished roof surface. Furnish extension for insulated roofs. Under-deck clamp for all but poured-in-place installations. Outlet connection type shall be compatible with piping system. Provide lead flashing for all roof drains.
- J. Floor Drains - Comparable items manufactured by J.R. Smith and Zurn are acceptable.
 - 1. Duco cast iron drain body with adjustable nickel bronze strainer. Provide trap primer connection as required per drawings. Provide no-hub outlet connection.
- K. Floor Sinks - Comparable items manufactured by J.R. Smith and Zurn are acceptable.
 - 1. Cast iron flanged receptor, acid resistant coated interior, aluminum dome bottom strainer; 1/2 grate nickel bronze top when specified on drawings.
- L. Trap Primers - Comparable items manufactured by J.R. Smith or PPP are acceptable.
 - 1. Trap primers shall be cast bronze. Provide ball shut off valve and union before trap primer connection. Provide 14" X 14" access panels for removal.

- M. Cleanouts - Comparable items manufactured by J.R. Smith and Zurn are acceptable.
1. Floor Clean Outs "FCO" (Concrete and Tile Floors) - Duco cast iron cleanout with round adjustable scoriated secured nickel bronze top. Secure plate with countersunk head. Bronze plug. Spigot outlet. FCO shall be equal to JR Smith 4023S.
 2. Wall Cleanouts "WCO" - Cast iron branch cleanout tee, with threaded bronze plug, and polished stainless steel cover plate with center, counter-sunk head securing screw. WCO shall be equal to JR Smith 4532S.
 3. Grade Clean Outs "GCO"
 - a. Finished Concrete Areas - Duco cast iron cleanout with round adjustable scoriated secured nickel bronze top. Secure plate with countersunk head. Bronze plug. Spigot outlet. GCO shall be equal to JR Smith 4023S.
 - b. ii) Dirt, Grass, Asphalt and other exterior areas - Duco cast iron cleanout. Bronze plug. Spigot outlet. GCO shall be equal to JR Smith 4023S. Provide precast concrete vault box with heavy-duty cast iron cover. Cover shall state "SEWER". Concrete vault shall be larger enough to get tools into box and remove bronze plug.
- N. Hose Bibb - Comparable items manufactured by J.R. Smith and Acorn are acceptable.
1. Provide vacuum breaker.
 2. Mount at 24" A.F.F. unless otherwise noted.
- O. Water Pressure Reducing Valve - Comparable items manufactured by Watts or Wilkens are acceptable.
1. Provide separate stainless steel strainer for each water pressure-reducing valve. Connections shall be threaded. Set pressure to maximum of 80 P.S.I. Provide pre-cast concrete yard box for water pressure reducing valves below grade.
- P. Water Hammer Arresters - Comparable items manufactured by J.R. Smith and Zurn are acceptable.
1. Stainless steel completely sealed water hammer arresters. Installed on cold waterlines in an upright position at all quick closing valves, solenoids, and plumbing fixtures. Locate and size in accordance with Plumbing and Drainage Institute Standard No. WH201. Provide 14" X 14" access panels for removal. WHA shall be equal to JR Smith 5005 for fixture units 1-11, JR Smith 5010 for fixture units 12-32, JR Smith 5020 for fixture units 33-60, JR Smith 5030 for fixture units 61-113 and JR Smith 5040 for fixture units 114-154.
- Q. Plumbing Fixture Components
1. Traps above floor, exposed or in cabinets, shall be a minimum of 17 gauge chrome plated brass, adjustable with cleanout plug, installed with escutcheon with set screw; all chrome plated. Provide chrome plated slip nuts. No die cast metal allowed.
 2. Exposed angle stops shall be loose key (requires 1/8" Allen Key) Aquaflo V-609-AB angle brass. Inlet = 1/2" F.I.P. Outlet = Hose Thread 1/2".
 3. Supply tubes shall be Brasscraft stainless speedi-plum.
 4. All water line nipples above and below grade shall be brass type. No galvanized or black steel type will be allowed.

5.4 PLUMBING EQUIPMENT

- A. Domestic Hot Water Circulating Pump - Comparable items manufactured by Armstrong or Bell and Gosset are acceptable.
 - 1. Provide all bronze or stainless steel in-line circulating pump of size and capacity as scheduled on the drawings. Pump to have integral thermal overload protection and "Aquastat" (pipe line heat sensitive thermostat) for on/off operation.
- B. Domestic Water Heaters - Comparable items manufactured by A.O.Smith or Lockenvar are acceptable. Make and model number of water heater to be on the State of California approved list for energy efficiencies.

PART 6 - EXECUTION

6.1 PIPE INSTALLATION

- A. Cast Iron Soil Pipe Institute Pamphlet #100 and the I.A.P.M.O. IS 6 75.
- B. Cast iron pipe shall be installed per California Plumbing Code.
- C. Joints in copper tubing shall be made by first thoroughly reaming, removing all burrs, and cleaning the surface of the pipe and fittings; applying flux and sweating with lead free solder.
- D. All piping shall be isolated from other piping, any part of the building, framing conduit, etc., with 2-inch wide strips of hair felt with sticky back.
- E. Flush out all water mains and sanitary drains with water so as to obtain free flow.
- F. Unions shall be installed after each screw type valve, connections for all equipment, appliances and as required for erection and maintenance. No unions shall be installed in concealed location.
- G. Sleeves for piping through masonry walls or floors shall extend completely through the walls or floors. Sleeves shall finish flush on both sides. Provide risers clamps at all floor penetrations.
- H. Unions shall be installed after each screw type valve, connections for all equipment, appliances and as required for erection and maintenance. No unions shall be installed in concealed location.
- I. All condensate drains to have clean-outs at each horizontal run. Clean-outs shall be F.I.P. thread brass plugs.
- J. All sanitary sewers and waste lines shall be graded at a minimum of 1/4" per foot unless otherwise noted on the drawings. The sections of the pipe shall be laid and fitted so when completed the sewer will have smooth and uniform invert.
- K. Site natural gas piping shall have a minimum of 30" of cover or be 30" below finished floor.

6.2 VALVE INSTALLATION

- A. Provide adequate access around valve and valve handle for maintenance.
- B. Underground valves shall be installed with SA 316 stainless steel bolts, nuts and washers.

- C. Underground water service valves shall have Bit-50 applied to the valve, bolts, nuts and washers. All underground water service valves shall be wrapped with 8-mil clear plastic. The 8 mil clear plastic shall be attached to the valve with 2 wraps of 10-mil tape or one wrap of 20-mil tape.
- D. Underground water service valves shall have the shut off within 18" of finish grade. Steel valve stem extensions shall be provided with valve. Valve stem extensions to be used shall be from Pipeline Products - Model #SX900 with galvanized shafts and fixed center ring.

6.3 PRESSURE REGULATORS

- A. Domestic Water: A reduced pressure regulator device with a strainer shall be installed per local code requirements as indicated on the drawings. There shall be a Nibco T-595-Y-66 shut valve before the pressure regulator. Provide 150 lb. cast brass companion flanges each side of the regulator with stainless steel bolts. As noted on drawings provide all items in a pre-cast concrete yard box with a reinforced steel lid. The lid shall have the word "WATER" on it.
- B. Natural Gas: Provide "medium to low" pressure natural gas regulators at all buildings being served by natural gas. Gas vent for regulator shall be installed with the vent pointing down. Provide a natural gas shut off valve before each pressure regulator. Provide two galvanized unions, one on each side of the pressure regulator. All pressure regulators shall be outside of buildings and mounted to the wall. Size natural gas regulator based on natural gas quantities listed on the drawings.

6.4 CLEANOUTS

- A. Cleanouts shall be installed where shown on plans and where required by code. Cleanouts shall be accessible in all cases and shall be brought to surface on "Y" branches. All cleanouts shall be provided with removable floor or wall plate as specified.

6.5 PIPE HANGERS and roof SUPPORTS

- A. Piping shall be firmly held in place by galvanized hangers, supports and pipe rests, located adjacent fittings at each offset or change of direction, at the ends of branches over 5' long, at riser pipes and along piping where necessary to prevent sags, bends, or vibration. All hangers and supports shall be designed to support the weight of pipe, fluid and insulation.
- B. Lateral bracing shall be provided at every fourth hanger where hanger rods are more than 18 inches in length.
- C. Hanger Spacing
 - 1. Domestic Water, Condensate and other copper piping:
 - a. 1/2" to 2" pipe every 6' 0" or less.
 - b. 2" and larger pipe every 8' 0" or less.
 - 2. Soil, Waste, Vent, Rain Water Leaders and other cast iron horizontal installations shall be provided with a hanger for at least every joint except that when the developed length between hangers is less than 4 feet they shall be provided at every other joint. Hangers shall also be provided at each horizontal branch connection.
 - 3. Refer to B-Line Seismic Restraints manual approved by California Office of Statewide Health Planning and Development for other spacing and support conditions.

- D. Pipe Supports on Roof:
 - 1. Roof pipe supports shall be Pipe Pier, flexible resilient closed-cell polyethylene foam (ETHAFOAM brand - trademark of the Dow Chemical Company), with strut system built into foam block.
 - 2. Foam block size:
 - a. 4" high X 4" wide for 1/2" to 2" pipe diameter pipe
 - b. 4" high X 6" wide for 2" and larger pipe diameter
 - E. Pipe Support Spacing on Roof
 - 1. Copper pipe: 1/2" to 2" pipe every 6' 0" or less.
 - 2. Copper pipe: 2" and larger pipe every 8' 0" or less.
- 6.6 FIXTURE INSTALLATION
- A. All fixture piping shall be flushed-out in the presence of the School District's Representative prior to connecting any fixtures.
 - B. Water piping and drain connections shall not be smaller than the sizes allowed by the plumbing code.
 - C. Furnish all fixtures complete with supplies, individual stops, traps, escutcheons, trim and all other accessories to provide a complete fixture. Fixtures shall be set in place and secured to walls. Provide trap and piping wrap at lavatories and sinks per ADA requirements.
 - D. All plumbing fixtures shall be bedded and caulked along joint at walls, countertops, and other intersecting surfaces with DAP Kwik-Seal Tub and Tile adhesive caulk. DAP package code number shall be 18001 white caulk.
 - E. Caulk around the bases of vitreous china toilets, urinals and sinks.
 - F. All faucets to be installed using "Plumber Putty" under the base of the faucet for a watertight seal.
 - G. Plumbing fixture trim and exposed supplies and waste shall be brass with polished chrome plated finish. Polished chrome plated piping, fittings, and valves shall not bear tool marks.
 - H. Provide backing for each plumbing fixture requiring same, at the time roughing in is done.
 - I. After the fixture installation is complete, cover and protect the rims, front, and all exposed parts until the completion of the construction phase. The plumbing contractor shall be responsible for all damage to fixtures, and shall assume all related costs.
- 6.7 CLEANING EQUIPMENT AND PREMISES
- A. Thoroughly clean all parts of piping, fixtures and equipment.
- 6.8 STERILIZATION OF DOMESTIC WATER SYSTEMS
- A. All domestic water piping systems shall be cleaned, flushed and sterilized with chorine in accordance with the standards of the county health department or other governing codes. During the flushing period, all valves and faucets shall be opened and closed several times. Provide chlorination certificate to Architect.

6.9 TESTS AND ADJUSTMENTS

- A. No piping work, fixtures, or equipment shall be concealed or covered until they have been inspected and approved by the School District's Representative who shall be notified when the work is ready for inspection. All work shall be completely installed, tested as required by this section and the State Ordinances and State Safety Orders, and shall be leak tight before inspections requested. All tests shall be repeated upon request to the satisfaction of those making the inspection.
- B. Before testing, remove or otherwise protect from damage components that are not designated to withstand the test pressures.
- C. Provide all necessary water, electric power, and other service and instruments required to perform tests.
- D. Plumbing fixture fittings and valves shall be operated to assure acceptable performance without leaks. All systems and equipment: shall be adjusted to eliminate excessive noise and vibration.
- E. Make necessary adjustments, repairs and alterations to satisfy specified testing requirements, correct defects disclosed by tests or inspections, and replace defective parts. Completely remake defective pipe joints.
- F. Repeat tests on defective portions of the work until compliance with testing requirements has been proven.
- G. Bear the cost of repairs and restoration of work of other Contractors, which were damaged by the testing procedures.
- H. Provide tests on all equipment and fixtures. Comply with all manufacturers' instructions for start-up, operating and maintaining of all equipment and fixtures.
- I. Perform oiling, lubrication, greasing etc. as required.
- J. Piping tests shall be made with the medium and under pressure listed below.
 - 1. Soil, Waste, Vent, Rainwater Leaders, and Condensate:
 - a. Gauge Pressure and test medium - Minimum of 10-foot head of each joint for duration of check with water.
 - 2. Domestic Water:
 - a. Gauge Pressure and test medium - 125 PSI with water
 - 3. Natural Gas:
 - a. Gauge Pressure and test medium - 50 PSI with Air
 - 4. Test period length four (4) hours each system.

END OF SECTION

22 07 00 – PLUMBING INSULATION

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES:

- A. Provide labor, equipment and materials, and perform all operations necessary for the installation of insulation as indicated. This section includes thermal insulation for piping and equipment.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Acceptable manufacturers for insulation are Manville Corporation, Owens-Corning and Knauf.
- B. Acceptable manufacturers in addition to insulation manufacturers for adhesives, sealants and coatings are Foster and Childers Product Co.
- C. Duct tape is not an approved sealer tape and shall not be used on this project.

2.2 PIPING SYSTEM INSULATION

- A. Glass Fiber: Manville Micro-Lok meeting ASTM C547 or equal; rigid molded, noncombustible, Class 1 not to exceed 25 flame spread and 50 smoke developed.
 - 1. 'K' ('KSI') Value: 0.23 at 75 degrees F.
 - 2. Maximum Service Temperature: 850 degrees F.
 - 3. Vapor Retarder Jacket: AP-T PLUS White kraft paper reinforced with glass fiber yarn and bonded to aluminum foil, secure with self sealing longitudinal laps and butt strips or AP Jacket with outward clinch expanding staples or vapor barrier mastic as needed. All insulation and jacket material shall be plenum rated.
 - 4. Provide 18 gauge galvanized metal insulation shields at pipe hangers. Insulation shields shall provide an expanded surface area to carrier the weight of the piping without distorting or damage to insulation.
- B. Elastomeric Foam: Rubatex R-180-FS/R-1800-FS meeting ASTM C534 or equal; flexible, cellular elastomeric, molded or sheet, Class 1 not to exceed 25 flame spread and 50 smoke developed:
 - 1. 'K' ('KSI') Value: 0.28 at 75 degrees F.
 - 2. Maximum Service Temperature of 220 degrees F.

3. Connection: Waterproof vapor retarder adhesive, as needed; RUBATEX R-373 Adhesive.
4. UV-Protection: Outdoor protective coating; Rubatex 374 Coating.
5. Provide 18 gauge galvanized metal insulation shields at pipe hangers. Insulation shields shall provide an expanded surface area to carrier the weight of the piping without distorting or damage to insulation.

2.3 FIRE STOPPING INSULATION

- A. Fire stop insulation shall be ceramic fiber blanket equal to Schuller "Cerablanket" or USG Therma-fiber 6 lb. density. Class 1 not to exceed 25-flame spread and 50 smoke developed.

PART 3 - EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. Verify that ductwork has been pressure tested for leakage in accordance with SMACNA standards before applying insulation materials.
- B. Verify that all surfaces are clean, dry and free of foreign material. Apply insulation on clean, dry surfaces free of any foreign matter and only after tests and approvals required by the specifications have been completed.

3.2 GENERAL INSTALLATION

- A. Install materials in accordance with manufacturer's recommendations, building codes and industry standards.
- B. Continue insulation vapor barrier through penetrations except where prohibited by code.
- C. Insulation shall be installed by workmen regularly en gauged in this kind of work in accordance with the manufacturer's recommendations.
- D. All exposed raw edges shall be finished with finishing cement.
- E. If staples are used, all must be coated with adhesive to maintain vapor barrier integrity. Thickness per ASHRAE Standards Table.

3.3 PIPING SYSTEM INSULATION INSTALLATION AND SCHEDULE

- A. Pipe insulation shall be continuous through walls and floor openings except where walls and floors are required to be fire stopped or required to have a fire resistance rating. Where this occurs, the open space remaining between the sleeve and pipe shall be filled with fire stop insulation.
- B. Insulation on piping indicated must be applied with a continuous, unbroken vapor seal. Supports, anchors, etc., that are secured directly to cold surfaces must be adequately insulated and vapor sealed to prevent condensation.
- C. Insulated pipes shall be insulated continuously through hangers. Rigid insulation inserts and metal shields are to be provided at all pipe hangers and supports. Pipe insulation shall abut the rigid insulation insert. Apply a wet coat of vapor barrier lap cement on all butt joints and seal the joints with 3" wide vapor barrier tape or band.

- D. Butt all joints firmly together and smoothly, secure all jacket laps and joint strips with lap adhesive.
- E. Factory premolded one-piece insulated fitting covers are to be used; the proper factory precut insulation shall be applied to the fitting. The ends of the insulation shall be tucked snugly into the throat of the fitting and the edges adjacent to the pipe covering, tufted and tucked in, fully insulating the pipefitting. Covers shall overlap the adjoining pipe insulation and jackets and on cold pipes shall be sealed at all seam edges with vapor barrier adhesive. The circumferential edges of all covers shall be sealed with pressure sensitive vinyl tape. The tape shall overlap the jacket and the cover at least one inch.
- F. Valves may be insulated with sections of Fiberglass pipe insulation complete with service jacket. Raw ends shall be coated with vinyl acrylic mastic CP-11 for hot piping or shall be coated with vapor barrier mastic (CP-30 or Fosters 30-35) for cold piping.
- G. Locate insulation and cover seams in least visible locations.
- H. Neatly finish insulation at supports, protrusions, and interruptions.
- I. Provide insulated pipes conveying fluids below ambient temperature with vapor retardant jackets with self-sealing laps. Insulate complete system.
- J. For insulated pipes conveying fluids above ambient temperature, secure jackets with self-sealing lap or outward clinched, expanded staples. Bevel and seal ends of insulation at equipment, flanges, and unions.
- K. Provide shield between isolation inserts and hanger supports. Shields shall be minimum of 20-gauge galvanized metal. Fabricate of Manville Thermo-12 or other heavy density insulating material suitable for temperature. Insulation inserts shall not be less than the following lengths;
 - 1. 1/2" to 2 1/2" pipe size 10" long
 - 2. 3" to 6" pipe size 12" long
 - 3. 8" to 10" pipe size 16" long
 - 4. 12" and over 22" long
- L. For pipe exposed in equipment rooms or unfinished spaces provide field applied aluminum jacket.
- M. For exterior piping applications (refrigeration suction piping), provide field applied protection jacket or coating. Insulated pipe, fittings, joints, and valves shall be covered with field applied aluminum jacket. Jacket seams shall located on bottom side of horizontal piping.
- N. For return air plenum areas provide non-combustible jacket.
- O. Fittings and valves shall be covered with premolded one-piece insulated covers.
- P. Piping Insulation Schedule
 - 1. Fiber Glass Insulation
 - a. Domestic Hot Water (supply and return piping):
 - 1) pipe: up to 2" 1 inch thick
 - 2) pipe: 2 1/2" to 4" 1-1/2-inch thick

- b. Condensate piping system
 - 1) pipe: up to 2" 3/4-inch thick
- 2. Elastomeric Foam
 - a. Refrigerant Suction
 - 1) all sizes 1 inch thick
 - b. Refrigerant Hot Gas
 - 1) all sizes 3/4-inch thick

Q. The above listed insulation thickness and finish are required. If however, the thickness, density and finish are more restrictive in the current edition of the California Mechanical Code Section 1005 Table No. 10-D and Table 2-53D of the Building Energy Efficiency Standards these values shall be used.

END OF SECTION

DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements.

23 00 00 – COMMISSIONING OF HVAC

PART 1 - GENERAL

- 1.1 This section covers testing and balancing of environmental systems including air distribution systems, and the equipment and apparatus connected thereto. The testing and balancing of all environmental systems shall be the responsibility of one Testing, Balancing and Adjusting (TBA) firm. The minimal standards to be met are those set forth in Chapter 40 in the latest edition of the ASHRAE Systems Handbook.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION

- 3.1 The balancing, testing and adjustments of the complete mechanical systems shall be the direct responsibility of the Contractor and he shall engage the services of an independent firm specializing in this work. The definition of independent shall mean the firm is not associated with any contracting or manufacturing firm and derives its income solely from testing, adjusting and balancing mechanical systems. Acceptable testing, adjusting and balancing firms are those that are AABC certified. NEBB firms must also be AABC certified.
- 3.2 The balancing work shall be performed by the same firm having total professional responsibility for the final testing, adjusting, and balancing of the entire system.
- 3.3 Testing and balancing work shall be directly supervised and the results confirmed by a Registered Professional Mechanical Engineer who shall represent the TBA firm in progress meetings as requested, and shall be available for interpreting all material found in the balance report.
- 3.4 The balancing firm shall provide all tools, equipment and instruments required and shall take all readings, and make all necessary adjustments.
- 3.5 After all adjustments are made, prepare a detailed written report and submit for review. Report shall bear the Registered Professional Mechanical Engineer's Stamp of the person supervising the work. Final acceptance of this project will not be made until a satisfactory report is received.
- 3.6 Verify the following conditions before proceeding with work:
- A. Conduct site observations during construction to determine the location of required balancing devices and confirm that they are properly located and installed. Submit a written report of these observations to the Architect.
 - B. Installation of the designated system is complete and in full operation.

- C. Outside temperature conditions, occupant loads, lighting loads, special equipment requiring extra sensible or ventilation requirements, and solar conditions are within a reasonable range relative to design conditions or provide for acceptable simulation of loads and conditions that will result in a properly balanced system.
- 3.7 All thermal overload protection shall be observed and noted on the data sheets. If the starter equipment is furnished and installed by the Contractor and thermal overload protection is incorrect, such information shall be tabulated, including required size thermal overloads, and included in the report. If thermal overload protection is incorrect, it shall be the responsibility of the Contractor to see that proper overload protection is installed.
- 3.8 Measure and set any special conditions such as minimum outside air quantities; check and adjust outside and return air intakes so that the system will deliver substantially the same volume on either; make tests and record data as required in the "Balancing Report" section. All balancing devices such as dampers and valves shall be clearly marked as to the final balanced position. Plug all test holes, replace access doors and belt guards.
- 3.9 Provide temperature recorders for spaces as necessary to verify acceptable space temperature conditions.
- 3.10 Upon request of the Mechanical Engineer or School District's Representative, a representative of the balancing firm performing the work shall demonstrate fluid flow quantities shown in the report by re-measuring outlets or terminals selected at random by the Mechanical Engineer or School District's Representative to verify accuracy of settings.
- 3.11 Requirements for balancing air systems are as follows:
 - A. Before any adjustments are made; the major items of equipment shall have been checked to assure all bearings have proper lubrication; all belt drives shall have been adjusted for proper alignment and tension; and the systems shall have been checked for such items as dirty filters, duct leakage, filter leakage, damper leakage, equipment vibrations, correct damper operations, etc.
 - B. Adjust fan systems, major duct sections, registers, diffusers, etc., to deliver design air quantities within plus or minus 5%. Individual air outlets, when more than one serves a space, may have a tolerance of 10% from the average. Design CFM is based on filters being approximately 50% loaded. Pressure drop across filters during balancing shall be simulated to that condition. After balancing is completed, verify that motor is not overloaded with the filters clean.
 - C. Check and adjust CFM settings.
 - D. Adjust distribution systems to obtain uniform space temperatures free from objectionable drafts and noise within the capabilities of the system.
 - E. Exchange and pay for sheaves and/or belts as required to adjust the rpm of fans to handle specified air quantity.
- 3.12 Provide four copies of a "Balancing Report" to the Architect. The Mechanical Engineer and School District's Owner' Representative shall review this report. This report shall contain a general information sheet listing instruments used, method of balancing, altitude correction

calculations, manufacturer's grille, register, and diffuser data. Report shall contain the following additional data.

- A. Equipment data sheets listing make, size, serial number, rating, operating data, etc., of all mechanical equipment including fans, motors, starters, and drives. Operating data shall include rotational speed, inlet and outlet pressures, pressure drop across filters, coils and other system components, and measured motor current and voltage.
 - B. Balancing data sheets listing the required and actual CFM of all supply, return, and exhaust outlets or inlets, and totals summarized by systems.
 - C. A reduced set of contract drawings with outlets marked thereon for easy identification of the designation used in the data sheets.
 - D. Listing of any abnormal or notable conditions not covered in the above.
- 3.13 Even though it is the responsibility of the balancing firm to check the physical operation of each operating piece of equipment, the control contractor must assure the balancing firm that all controls are accurately calibrated and must cooperate with him during the balancing work period.
- 3.14 The agency performing the system balance and performance test, shall personally verify that all system control functions and interlocking do in fact provide the desired results as stated. The agency shall provide a written statement within the air balance report verifying this fact.

END OF SECTION

23 07 00 – HVAC INSULATION

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES:

- A. Provide labor, equipment and materials, and perform all operations necessary for the installation of insulation as indicated. This section includes thermal and acoustic insulation applied to ductwork and air handling devices.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Acceptable manufacturers for insulation are Manville Corporation, Owens-Corning and Knauf.
- B. Acceptable manufacturers in addition to insulation manufacturers for adhesives, sealants and coatings are Foster and Childers Product Co.
- C. Duct tape is not an approved sealer tape and shall not be used on this project.

2.2 DUCT WORK INSULATION

- A. Flexible Fiberglass Blanket: Manville Microlite Type 75 meeting ASTM C553 or equal, Type 1, Class B-2; flexible blanket not to exceed 25 flame spread and 50 smoke developed.
 - 1. 'K' ('KSI') Value: 0.27 at 75 degrees F installed.
 - 2. Density: .75 LB/CU FT.
 - 3. Vapor Barrier Jacket: FSK, Aluminum foil reinforced with fiberglass yarn and laminated to fire-resistant kraft, secured with UL listed pressure sensitive tape and/or outward clinched expanded staples and vapor barrier mastic as needed. All insulation and jacket material shall be plenum rated.
- B. Duct Liner: Manville Linacoustic Mat Faced or Permacote meeting ASTM C1071 or equal; flexible blanket.
 - 1. 'K' ('KSI') Value: ASTM C518, 0.25 at 75 degrees F.
 - 2. Noise Reduction Coefficient: .65 or higher based on "Type A mounting". Comply with ASTM C423A Absorption Coefficients, ASTM 84, UL 723 and NFPA 228.
 - 3. Maximum Velocity on Mat or Coated Air Side: 4,000 ft/min.
 - 4. Adhesive: UL listed waterproof type.
 - 5. Fasteners: Duct liner galvanized steel pins, welded or mechanically fastened.

- 6. Absolute roughness of exposed surface not to exceed 0.0013 coated.
- C. Round Duct Liner: Manville Spiracoustic, meeting ASTM C427 or equal; rigid.
 - 1. 'K' ('KSI') Value: ASTM C518, 0.23 at 75 degrees F.
 - 2. Noise Reduction Coefficient of .70 as per ASTM C427 (Type A mounting).
 - 3. Maximum Velocity: 4000 ft/min.
- D. Duct Liner shall comply with the requirements of NFPA 90A and the "duct liner materials standard" of the Thermal Insulation Manufacturers Association. Duct liner shall be glass fiber insulation with exposed surface coated to prevent fiber erosion at air velocities up to 4000 fpm. Duct sizes for lined duct show the clear dimension inside the lining.
- E. All external insulation shall have foil back jacket.

PART 3 - EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. Verify that ductwork has been pressure tested for leakage in accordance with SMACNA standards before applying insulation materials.
- B. Verify that all surfaces are clean, dry and free of foreign material. Apply insulation on clean, dry surfaces free of any foreign matter and only after tests and approvals required by the specifications have been completed.

3.2 GENERAL INSTALLATION

- A. Install materials in accordance with manufacturer's recommendations, building codes and industry standards.
- B. Continue insulation vapor barrier through penetrations except where prohibited by code.
- C. Insulation shall be installed by workmen regularly engaged in this kind of work in accordance with the manufacturer's recommendations.
- D. All exposed raw edges shall be finished with finishing cement.
- E. If staples are used, all must be coated with adhesive to maintain vapor barrier integrity. Thickness per ASHRAE Standards Table.

3.3 EXTERNAL DUCT WORK INSULATION INSTALLATION AND SCHEDULE

- A. All insulation shall be applied with edges tightly butted with facing overlapping all joints at least 2". All external insulation shall have foil backed vapor seal. Joints shall be sealed with fire retardant adhesive. The insulation shall be secure to the duct with approximately 4" wide strips at 8" O.C. of fire retardant adhesive. Where the duct width exceeds 30", the underside insulation shall be additionally held in place with mechanical fasteners on about 18" maximum centers.
- B. All breaks and punctures shall be sealed with vapor barrier tape and fire retardant adhesive.
- C. Provide all insulated ductwork conveying air with foil-backed jacket. Seal all jacket seams and penetrations with UL listed tapes or vapor retardant adhesive. Where service access is required, bevel and seal ends of insulation.

- D. Continue insulation through walls, sleeves, hangers, and other duct penetrations except where prohibited by code.
 - E. The underside of duct work 24" or greater shall be secured with mechanical fasteners and speed clips spaced approximately 18" on center. The protruding ends of the fasteners should be cut off flush after the speed clips are installed, and then, when required, sealed with the same tape as specified above.
 - F. For ductwork exposed to physical abuse in mechanical equipment rooms or in finished spaces, finish with Manville Zeston 2000 PVC jacket or aluminum jacket.
 - G. External Insulation Schedule
 - 1. Flexible Fiber Glass
 - a. Supply and Return Ducts @ HVAC units:

1)	1 inch thick	Foil Back
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 - H. The above listed insulation thickness and finish are required. If however, the thickness, density and finish are more restrictive in the current edition of the California Mechanical Code Section 1005 Table No. 10-D and Table 2-53D of the Building Energy Efficiency Standards these values shall be used.
- 3.4 DUCT LINER INSULATION INSTALLATION AND SCHEDULE
- A. Duct liner shall be used in all weather-exposed locations or outside of building. Duct liner shall be installed in all supply and return plenums for sound reduction and thermal insulation. Supply and return plenums occur at each air-moving piece of equipment. Duct liner shall also be installed where indicated on the drawings.
 - B. Duct linings shall be interrupted at fire dampers and fire doors so as not to interfere with their operation. Duct coverings and linings shall also be interrupted at the immediate area of operation of heat sources in a duct system involving electric resistance or fuel burning heaters.
 - C. All portions of duct designed to receive duct liner shall be completely lined on the interior with acoustical lining as specified herein. Transverse joints shall be neatly butted and there shall be no interruptions or gaps.
 - D. The coated surface of the lining shall face the airstream.
 - E. The lining shall be adhered to the sheet metal with 100% coverage of adhesive, and all exposed leading edges and all transverse joints coated with adhesive.
 - F. The lining shall be additionally secured with mechanical fasteners that shall compress the duct liner sufficiently to hold it firmly in place.
 - G. The lining shall be cut to assure overlapped and compressed longitudinal corner joints.
 - H. Duct dimensions indicated are net inside dimensions required for airflow. Increase duct size to allow for insulation thickness.
 - I. Sizes noted on drawings are clear cross-section area (inside the lining).
 - J. For velocities up to 2,000 fpm, duct liner shall be applied with 100% coverage of fire retardant adhesive. Duct liner shall be cut to assure snug corner joints. The coated or most dense surface of the liner shall face the air stream. The liner shall be additionally secured with mechanical fasteners that shall compress the duct liner sufficiently to hold it firmly in

place. They shall start within 3" of the leading edge of each duct section (and any line transverse joints within the duct section) and shall be spaced no more than 12" O.C. around the perimeter of the duct, except that they need to be no closer than 9" to a corner break. Elsewhere, they shall be a maximum of 18" O.C., except that they shall be placed not more than 6" from a cut edge nor 12" from a corner break. All exposed edges and the leading edge of all cross-joints of the liner shall be coated with the same adhesive used to secure the duct liner to the metal surface. For velocities between 2,000 and 4,000 fpm, installation shall be same except that mechanical fasteners shall be spaced no more than 6" O.C. around the perimeter of the duct, except that they need be no closer than 6" to a corner break. Elsewhere, they shall be a maximum of 10" O.C., except that they shall be placed not more than 6" from a cut edge nor 12" from a corner break.

- K. Adhesive shall conform to Adhesive and Sealant Council Standards for Adhesives for Duct Liner; ASC-A700K-1972.
- L. Mechanical fasteners shall conform to Mechanical Fastener Standard MF-1-1971, available from SMACNA.
- M. Adhere insulation to sheet metal with full coverage of a UL listed adhesive.
- N. Secure insulation with mechanical liner fasteners as indicated by SMACNA or manufacturer. Pin length should be as recommended by the liner manufacturer.
- O. All exposed edges of the liner must be factory or field coated. For systems operating at 4000 fpm or higher a metal nosing must be installed in all liner leading edges.
- P. Repair liner surface penetrations with UL listed adhesive.
- Q. Duct Liner Insulation Schedule - Rigid Fiber Glass
 - 1. Supply and Return Ducts as noted on drawings
 - a. 1 inch thick LINACOUSTIC PERMACOTE or equal
 - 2. Supply and Return Plenums @ HVAC units:
 - a. 1-1/2-inch thick LINACOUSTIC PERMACOTE or equal
- R. The above listed insulation thickness and finish are required. If however, the thickness, density and finish are more restrictive in the current edition of the California Mechanical Code Section 1005 Table No. 10-D and Table 2-53D of the Building Energy Efficiency Standards these values shall be used.

END OF SECTION

23 09 23 – DIRECT-DIGITAL CONTROL SYSTEMS FOR HVAC

PART 1 - GENERAL

1.1 SUMMARY

- A. Furnish all labor, materials, equipment, and service necessary for a complete and operating Temperature Control System (TCS), utilizing Direct Digital Controls as shown on the drawings and as described herein. Drawings are diagrammatic only.
- B. All labor, material, equipment and software not specifically referred to herein or on the plans, that is required to meet the functional intent of this specification, shall be provided without additional cost to the Owner.
- C. The Owner shall be the named license holder of all software associated with any and all incremental work on the project(s).

1.2 SYSTEM DESCRIPTION

- A. The entire Temperature Control System (TCS) shall be comprised of a network of interoperable, stand-alone digital controllers communicating via LonMark/LonTalk communication protocols to a Network Area Controller (NAC). Temperature Control System products shall be manufactured by Honeywell. (Sweetwater UHSD Board Approved proprietary system) LonWorks products must be approved in writing by the consulting Engineer and be submitted for approval ten (10) days prior to the date of the bid submittal.
- B. The Temperature Control System (TCS) as provided in this Division shall be based on the Honeywell WEBs System incorporating the Niagara Framework™. Systems not developed on the Niagara Framework platform are unacceptable.

1.3 SUBMITTAL

- A. Eight copies of shop drawings of the components and devices for the entire control system shall be submitted and shall consist of a complete list of equipment and materials, including manufacturers catalog data sheets and installation instructions for all controllers, valves, dampers, sensors, routers, etc. Shop drawings shall also contain complete wiring and schematic diagrams, software descriptions, calculations, and any other details required to demonstrate that the system has been coordinated and will properly function as a system. Terminal identification for all control wiring shall be shown on the shop drawings. A complete written Sequence of Operation shall also be included with the submittal package.
- B. Submittal shall also include a trunk cable schematic diagram depicting operator workstations, control panel locations and a description of the communication type, media and protocol.
- C. Submittal shall also include a complete point list of all points to be connected to the TCS. Temperature Controls Contractor shall provide necessary point lists, protocol documentation, and factory support information for systems provided.
- D. Submittal shall also include a copy of each of the graphics developed for the Graphic User Interface including a flowchart (site map) indicating how the graphics are to be linked to

one another for system navigation. The graphics are intended to be 80% - 90% complete at this stage with the only remaining changes to be based on review comments from the A/E design team and/or Owner.

- E. Include the following display graphics for each of the sites:
 - 1. Site plan view of entire campus identifying each building – include the display of outside air temperature & humidity.
 - 2. Individual buildings, including room layout with display of all space temperatures and occupied mode, outside air temperature & humidity.
 - 3. Mechanical equipment display for each AC unit to include space temperature, heating and cooling setpoints, supply air temperature, fan status, occupied mode, outside temperature & humidity.
 - 4. Boiler and hot water pumps showing all related points.
 - 5. Page showing all room temperatures, room temperature setpoints, occupied mode, AC unit fan status and AC unit mode (heating or cooling).
 - 6. Page showing all other miscellaneous points.
- F. Upon completion of the work, provide a complete set of 'as-built' drawings and application software on compact disk. Drawings shall be provided as AutoCAD™ or Visio™ compatible files. Eight copies of the 'as-built' drawings shall be provided in addition to the documents on compact disk. Temperature Controls Contractor shall provide as-builts for their portions of work.

1.4 SPECIFICATION NOMENCLATURE

- A. Acronyms used in this specification are as follows:
 - 1. TCS Temperature Control System
 - 2. NAC Network Area Controller
 - 3. IDC Interoperable Digital Controller
 - 4. IBC Interoperable BACnet Controller
 - 5. GUI Graphical User Interface
 - 6. WBI Web Browser Interface
 - 7. POT Portable Operator's Terminal
 - 8. PMI Power Measurement Interface
 - 9. DDC Direct Digital Controls
 - 10. LAN Local Area Network
 - 11. WAN Wide Area Network
 - 12. OOT Object Oriented Technology
 - 13. PICS Product Interoperability Compliance Statement

1.5 AGENCY AND CODE APPROVALS

- A. All products of the TCS shall be provided with the following agency approvals. Verification that the approvals exist for all submitted products shall be provided with the submittal package. Systems or products not currently offering the following approvals are not acceptable.
 - 1. UL-916; Energy Management Systems
 - 2. C-UL listed to Canadian Standards Association C22.2 No. 205-M1983 "signal Equipment"
 - 3. CE
 - 4. FCC, Part 15, Subpart J, Class A Computing Devices

1.6 SOFTWARE LICENSE AGREEMENT

- A. The Owner shall agree to the manufacturer's standard software and firmware licensing agreement as a condition of this contract. Such license shall grant use of all programs and application software to Owner as defined by the manufacturer's license agreement, but shall protect manufacturer's rights to disclosure of trade secrets contained within such software.
- B. The Owner shall be the named license holder of all software associated with any and all incremental work on the project(s). In addition, the Owner shall receive ownership of all job specific configuration documentation, data files, and application-level software developed for the project. This shall include all custom, job specific software code and documentation for all configuration and programming that is generated for a given project and/or configured for use with the Server(s), and any related LAN / WAN / Intranet and Internet connected routers and devices. Any and all required IDs and passwords for access to any component or software program shall be provided to the owner. The owner shall determine which organizations to be named in the SI organization ID ("orgid") of all software licenses. Owner shall be free to direct the modification of the "orgid" in any software license, regardless of supplier.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Provide factory-shipping cartons for each piece of equipment and control device. Maintain cartons through shipping, storage, and handling as required to prevent equipment damage. Store equipment and materials inside and protected from weather.

1.8 JOB CONDITIONS

- A. Cooperation with Other Trades: Coordinate the Work of this section with that of other sections to ensure that the Work will be carried out in an orderly fashion. It shall be this Contractor's responsibility to check the Contract Documents for possible conflicts between his Work and that of other crafts in equipment location, pipe, duct and conduit runs, electrical outlets and fixtures, air diffusers, and structural and architectural features.

PART 2 - PRODUCTS

2.1 ACCEPTABLE CONTROL MANUFACTURER/CONTRACTOR

- A. Honeywell "Authorized Controls Integrator" –
R & R Controls Inc.
4564 B Alvarado Canyon Road
San Diego, CA 92120
Ph: 619-516-1880
Fax: 619 516-1881

2.2 GENERAL

- A. The Temperature Control System (TCS) shall be comprised of a network of interoperable, stand-alone digital controllers, a computer system, graphical user interface software, printers, network devices, valves, dampers, sensors, and other devices as specified herein. All systems and software within TCS shall be Year 2000 compliant and shall be supported by compliance documentation from the manufacturer.
- B. The installed system shall provide secure password access to all features, functions and data contained in the overall TCS.

2.3 OPEN, INTEROPERABLE, INTEGRATED ARCHITECTURES

- A. The intent of this specification is to provide a peer-to-peer networked, stand-alone, distributed control system with the capability to integrate ANSI/ASHRAE Standard 135-2001 BACnet, LonWorks technology, MODBUS, OPC, and other open and proprietary communication protocols in one open, interoperable system.
- B. The supplied computer software shall employ object-oriented technology (OOT) for representation of all data and control devices within the system. In addition, adherence to industry standards including ANSI / ASHRAE™ Standard 135-2001, BACnet and LonMark to assure interoperability between all system components is required. For each LonWorks device that does not have LonMark certification, the device supplier must provide an XIF file and a resource file for the device. For each BACnet device, the device supplier must provide a PICS document showing the installed device's compliance level. Minimum compliance is Level 3; with the ability to support data read and write functionality. Physical connection of BACnet devices shall be via Ethernet (BACnet Ethernet/IP,) and/or RS-485 (BACnet MSTP) as specified.
- C. All components and controllers supplied under this Division shall be true "peer-to-peer" communicating devices. Components or controllers requiring "polling" by a host to pass data shall not be acceptable.
- D. The supplied system must incorporate the ability to access all data using standard Web browsers without requiring proprietary operator interface and configuration programs. An Open Database Connectivity (ODBC) or Structured Query Language (SQL) compliant server database is required for all system database parameter storage. This data shall reside on a supplier-installed server for all database access. Systems requiring proprietary database and user interface programs shall not be acceptable.
- E. A hierarchical topology is required to assure reasonable system response times and to manage the flow and sharing of data without unduly burdening the customer's internal

Intranet network. Systems employing a “flat” single tiered architecture shall not be acceptable.

1. Maximum acceptable response time from any alarm occurrence (at the point of origin) to the point of annunciation shall not exceed 5 seconds for network connected user interfaces.
2. Maximum acceptable response time from any alarm occurrence (at the point of origin) to the point of annunciation shall not exceed 60 seconds for remote or dial-up connected user interfaces.

2.4 NETWORKS

- A. The Local Area Network (LAN) shall be a 100 Megabits/sec Ethernet network supporting BACnet, Java, XML, HTTP, and SOAP for maximum flexibility for integration of building data with enterprise information systems and providing support for multiple Network Area Controllers (NACs), user workstations and, if specified, a local server.
- B. Local area network minimum physical and media access requirements:
 1. Ethernet; IEEE standard 802.3
 2. Cable; 100 Base-T, UTP-8 wire, category 5
 3. Minimum throughput; 100 Mbps.

2.5 NETWORK ACCESS

- A. Remote Access. For Local Area Network installations, provide access to the LAN from a remote location, via the Internet. The Owner shall provide a connection to the Internet to enable this access via high-speed cable modem, asynchronous digital subscriber line (ADSL) modem, ISDN line, T1 Line or via the customer’s Intranet to a corporate server providing access to an Internet Service Provider (ISP). Customer agrees to pay monthly access charges for connection and ISP.

2.6 NETWORK AREA CONTROLLER (NAC)

- A. The Network Area Controller (NAC) shall provide the interface between the LAN or WAN and the field control devices, and provide global supervisory control functions over the control devices connected to the NAC. It shall be capable of executing application control programs to provide:
 1. Calendar functions
 2. Scheduling
 3. Trending
 4. Alarm monitoring and routing
 5. Time synchronization
 6. Integration of LonWorks controller data and BACnet controller data
 7. Network Management functions for all LonWorks based devices
- B. The Network Area Controller must provide the following hardware features as a minimum:
 1. One Ethernet Port – 10/100 Mbps

2. One RS-232 port
 3. One LonWorks Interface Port – 78KB FTT-10A
 4. One RS-485 ports
 5. Battery Backup
 6. Flash memory for long term data backup (If battery backup or flash memory is not supplied, the controller must contain a hard disk with at least 1 gigabyte storage capacity)
 7. The NAC must be capable of operation over a temperature range of 32 to 122°F
 8. The NAC must be capable of withstanding storage temperatures of between 0 and 158°F
 9. The NAC must be capable of operation over a humidity range of 5 to 95% RH, non-condensing
- C. The NAC shall provide multiple user access to the system and support for ODBC or SQL. A database resident on the NAC shall be an ODBC-compliant database or must provide an ODBC data access mechanism to read and write data stored within it.
- D. The NAC shall support standard Web browser access via the Intranet/Internet. It shall support a minimum of 32 simultaneous users.
- E. Event Alarm Notification and actions
1. The NAC shall provide alarm recognition, storage; routing, management, and analysis to supplement distributed capabilities of equipment or application specific controllers.
 2. The NAC shall be able to route any alarm condition to any defined user location whether connected to a local network or remote via dial-up telephone connection, or wide-area network.
 3. Alarm generation shall be selectable for annunciation type and acknowledgement requirements including but limited to:
 - a. To alarm
 - b. Return to normal
 - c. To fault
 - d. Provide for the creation of a minimum of eight of alarm classes for the purpose of routing types and or classes of alarms, i.e.: Security, HVAC, Fire, etc.
 4. Provide timed (schedule) routing of alarms by class, object, group, or node.
 5. Provide alarm generation from binary object “runtime” and /or event counts for equipment maintenance. The user shall be able to reset runtime or event count values with appropriate password control.
- F. Control equipment and network failures shall be treated as alarms and annunciated.
- G. Alarms shall be annunciated in any of the following manners as defined by the user:
1. Screen message text

2. Email of the complete alarm message to multiple recipients. Provide the ability to route and email alarms based on:
 - a. Day of week
 - b. Time of day
 - c. Recipient
3. Pagers via paging services that initiate a page on receipt of email message
4. Graphic with flashing alarm object(s)
5. Printed message, routed directly to a dedicated alarm printer
- H. The following shall be recorded by the NAC for each alarm (at a minimum):
 1. Time and date
 2. Location (building, floor, zone, office number, etc.)
 3. Equipment (air handler #, access way, etc.)
 4. Acknowledge time, date, and user who issued acknowledgement.
 5. Number of occurrences since last acknowledgement.
- I. Alarm actions may be initiated by user defined programmable objects created for that purpose.
- J. Defined users shall be given proper access to acknowledge any alarm, or specific types or classes of alarms defined by the user.
- K. A log of all alarms shall be maintained by the NAC and/or a server (if configured in the system) and shall be available for review by the user.
- L. Provide a "query" feature to allow review of specific alarms by user-defined parameters.
- M. A separate log for system alerts (controller failures, network failures, etc.) shall be provided and available for review by the user.
- N. An Error Log to record invalid property changes or commands shall be provided and available for review by the user.
- O. Data Collection and Storage
 1. The NAC shall have the ability to collect data for any property of any object and store this data for future use.
 2. The data collection shall be performed by log objects, resident in the NAC that shall have, at a minimum, the following configurable properties:
 - a. Designating the log as interval or deviation.
 - b. For interval logs, the object shall be configured for time of day, day of week and the sample collection interval.
 - c. For deviation logs, the object shall be configured for the deviation of a variable to a fixed value. This value, when reached, will initiate logging of the object.
 - d. For all logs, provide the ability to set the maximum number of data stores for the log and to set whether the log will stop collecting when full, or rollover the data on a first-in, first- out basis.

- e. Each log shall have the ability to have its data cleared on a time-based event or by a user-defined event or action.
- 3. All log data shall be stored in a relational database in the NAC and the data shall be accessed from a server (if the system is so configured) or a standard Web browser.
- 4. All log data, when accessed from a server, shall be capable of being manipulated using standard SQL statements.
- 5. All log data shall be available to the user in the following data formats:
 - a. HTML
 - b. XML
 - c. Plain Text
 - d. Comma or tab separated values
- 6. Systems that do not provide log data in HTML and XML formats at a minimum shall not be acceptable.
- 7. The NAC shall have the ability to archive its log data either locally (to itself), or remotely to a server or other NAC on the network. Provide the ability to configure the following archiving properties, at a minimum:
 - a. Archive on time of day
 - b. Archive on user-defined number of data stores in the log (buffer size)
 - c. Archive when log has reached its user-defined capacity of data stores
 - d. Provide ability to clear logs once archived

2.7 AUDIT LOG

- A. Provide and maintain an Audit Log that tracks all activities performed on the NAC. Provide the ability to specify a buffer size for the log and the ability to archive log based on time or when the log has reached its user-defined buffer size. Provide the ability to archive the log locally (to the NAC), to another NAC on the network, or to a server. For each log entry, provide the following data:
 - 1. Time and date
 - 2. User ID
 - 3. Change or activity: i.e., Change setpoint, add or delete objects, commands, etc.

2.8 DATABASE BACKUP AND STORAGE

- A. The NAC shall have the ability to automatically backup its database. The database shall be backed up based on a user-defined time interval.
- B. Copies of the current database and, at the most recently saved database shall be stored in the NAC. The age of the most recently saved database is dependent on the user-defined database save interval.
- C. The NAC database shall be stored, at a minimum, in XML format to allow for user viewing and editing, if desired. Other formats are acceptable as well, as long as XML format is supported.

2.9 INTEROPERABLE DIGITAL CONTROLLER (IDC)

- A. Controls shall be Honeywell Excel 10 microprocessor based Interoperable LonWorks Controllers (IDC) or approved equal. Where possible, all Interoperable Digital Controllers shall bear the applicable LonMark interoperability logo on each product delivered.
- B. HVAC control shall be accomplished using LonMark™ based devices where the application has a LonMark profile defined. Where LonMark devices are not available for a particular application, devices based on LonWorks shall be acceptable. For each LonWorks device that does not have LonMark certification, the device supplier must provide an XIF file for the device. Publicly available specifications for the Applications Programming Interface (API) must be provided for each LonWorks / LonMark controller defining the programming or setup of each device. The Temperature Controls Contractor shall provide all programming, documentation and programming tools necessary to set up and configure the supplied devices per the specified sequences of operation.
- C. The Temperature Controls Contractor shall run the LonWorks network trunk to the nearest Network Area Controller (NAC). Coordinate locations of the NAC to ensure that maximum network wiring distances, as specified by the LonWorks wiring guidelines, are not exceeded. A maximum of 126 devices may occupy any one LonWorks trunk and must be installed using the appropriate trunk termination device. All LonWorks and LonMark devices must be supplied using FTT-10A LonWorks communications transceivers.
- D. The Network Area Controller (NAC) will provide all scheduling, alarming, trending, and network management for the LonMark / LonWorks based devices.
- E. The IDCs shall communicate with the NAC at a baud rate of not less than 78.8K baud. The IDC shall provide LED indication of communication and controller performance to the technician, without cover removal.
- F. All IDCs shall be fully application programmable and shall at all times maintain their LONMARK certification, if so certified. Controllers offering application selection only (non-programmable), require a 10% spare point capacity to be provided for all applications. All control sequences within or programmed into the IDC shall be stored in non-volatile memory, which is not dependent upon the presence of a battery, to be retained.
- G. The Temperature Controls Contractor supplying the IDC's shall provide documentation for each device, with the following information at a minimum:
 - 1. Network Variable Inputs (nvi's); name and type
 - 2. Network Variable Outputs (nvo's); name and type
 - 3. Network configuration parameters (nci, nco); name and type
- H. It is the responsibility of the Division 15 contractor to ensure that the proper Network Variable Inputs and Outputs (nvi and nvo) are provided in each IDC, as required by the point charts.
- I. The supplier of any programmable IDC shall provide one copy of the manufacturer's programming tool, with documentation, to the owner.

2.10 GRAPHICAL USER INTERFACE (GUI) SOFTWARE

- A. Operating System: WEBSTATION-AX™
 - 1. The GUI shall run on Microsoft Windows XP Professional.

- B. The GUI shall employ browser-like functionality for ease of navigation. It shall include a tree view (similar to Windows Explorer) for quick viewing of, and access to, the hierarchical structure of the database. In addition, menu-pull downs, and toolbars shall employ buttons, commands and navigation to permit the operator to perform tasks with a minimum knowledge of the HVAC Control System and basic computing skills. These shall include, but are not limited to, forward/backward buttons, home button, and a context sensitive locator line (similar to a URL line), that displays the location and the selected object identification.
- C. Real-Time Displays. The GUI, shall at a minimum, support the following graphical features and functions:
 - 1. Graphic screens shall be developed using any drawing package capable of generating a GIF, BMP, or JPG file format. Use of proprietary graphic file formats shall not be acceptable. In addition to, or in lieu of a graphic background, the GUI shall support the use of scanned pictures.
 - 2. Graphic screens shall have the capability to contain objects for text, real-time values, animation, color spectrum objects, logs, graphs, HTML or XML document links, schedule objects, hyperlinks to other URL's, and links to other graphic screens.
 - 3. Graphics shall support layering and each graphic object shall be configurable for assignment to a layer. A minimum of six layers shall be supported.
 - 4. Modifying common application objects, such as schedules, calendars, and set points shall be accomplished in a graphical manner.
 - a. Schedule times will be adjusted using a graphical slider, without requiring any keyboard entry from the operator.
 - b. Holidays shall be set by using a graphical calendar without requiring any keyboard entry from the operator.
 - 5. Commands to start and stop binary objects shall be done by right-clicking the selected object and selecting the appropriate command from the pop-up menu. No entry of text shall be required.
 - 6. Adjustments to analog objects, such as set points, shall be done by right-clicking the selected object and using a graphical slider to adjust the value. No entry of text shall be required.
- D. System Configuration. At a minimum, the GUI shall permit the operator to perform the following tasks, with proper password access:
 - 1. Create, delete or modify control strategies.
 - 2. Add/delete objects to the system.
 - 3. Tune control loops through the adjustment of control loop parameters.
 - 4. Enable or disable control strategies.
 - 5. Generate hard copy records or control strategies on a printer.
 - 6. Select points to be alarmable and define the alarm state.
 - 7. Select points to be trended over a period of time and initiate the recording of values automatically.
- E. On-Line Help. Provide a context sensitive, on-line help system to assist the operator in operation and editing of the system. On-line help shall be available for all applications and

shall provide the relevant data for that particular screen. Additional help information shall be available through the use of hypertext. All system documentation and help files shall be in HTML format.

- F. Security. Each operator shall be required to log on to that system with a user name and password in order to view, edit, add, or delete data. System security shall be selectable for each operator. The system administrator shall have the ability to set passwords and security levels for all other operators. Each operator password shall be able to restrict the operators' access for viewing and/or changing each system application, full screen editor, and object. Each operator shall automatically be logged off of the system if no keyboard or mouse activity is detected. This auto log-off time shall be set per operator password. All system security data shall be stored in an encrypted format.
- G. System Diagnostics. The system shall automatically monitor the operation of all workstations, printers, modems, network connections, building management panels, and controllers. The failure of any device shall be annunciated to the operator.
- H. Alarm Console
 - 1. The system will be provided with a dedicated alarm window or console. This window will notify the operator of an alarm condition, and allow the operator to view details of the alarm and acknowledge the alarm. The use of the Alarm Console can be enabled or disabled by the system administrator.
 - 2. When the Alarm Console is enabled, a separate alarm notification window will supersede all other windows on the desktop and shall not be capable of being minimized or closed by the operator. This window will notify the operator of new alarms and un-acknowledged alarms. Alarm notification windows or banners that can be minimized or closed by the operator shall not be acceptable.

2.11 WEB BROWSER CLIENTS

- A. The system shall be capable of supporting an unlimited number of clients using a standard Web browser such as Internet Explorer™ or Netscape Navigator™. Systems requiring additional software (to enable a standard Web browser) to be resident on the client machine, or manufacture-specific browsers shall not be acceptable.
- B. The Web browser software shall run on any operating system and system configuration that is supported by the Web browser. Systems that require specific machine requirements in terms of processor speed, memory, etc., in order to allow the Web browser to function with the FMCS, shall not be acceptable.
- C. The Web browser shall provide the same view of the system, in terms of graphics, schedules, calendars, logs, etc., and provide the same interface methodology as is provided by the Graphical User Interface. Systems that require different views or that require different means of interacting with objects such as schedules, or logs, shall not be permitted.
- D. The Web browser client shall support at a minimum, the following functions:
 - 1. User log-on identification and password shall be required. If an unauthorized user attempts access, a blank web page shall be displayed. Security using Java authentication and encryption techniques to prevent unauthorized access shall be implemented.

2. Graphical screens developed for the GUI shall be the same screens used for the Web browser client. Any animated graphical objects supported by the GUI shall be supported by the Web browser interface.
3. HTML programming shall not be required to display system graphics or data on a Web page. HTML editing of the Web page shall be allowed if the user desires a specific look or format.
4. Storage of the graphical screens shall be in the Network Area Controller (NAC), without requiring any graphics to be stored on the client machine. Systems that require graphics storage on each client are not acceptable.
5. Real-time values displayed on a Web page shall update automatically without requiring a manual "refresh" of the Web page.
6. Users shall have administrator-defined access privileges. Depending on the access privileges assigned, the user shall be able to perform the following:
 - a. Modify common application objects, such as schedules, calendars, and set points in a graphical manner.
 - b. Schedule times will be adjusted using a graphical slider, without requiring any keyboard entry from the operator.
 - c. Holidays shall be set by using a graphical calendar, without requiring any keyboard entry from the operator.
 - d. Commands to start and stop binary objects shall be done by right-clicking the selected object and selecting the appropriate command from the pop-up menu. No entry of text shall be required.
 - e. View logs and charts
 - f. View and acknowledge alarms
 - g. Setup and execute SQL queries on log and archive information
7. The system shall provide the capability to specify a user's (as determined by the log-on user identification) home page. Provide the ability to limit a specific user to just their defined home page. From the home page, links to other views, or pages in the system shall be possible, if allowed by the system administrator.
8. Graphic screens on the Web Browser client shall support hypertext links to other locations on the Internet or on Intranet sites, by specifying the Uniform Resource Locator (URL) for the desired link.

2.12 SERVER FUNCTIONS AND HARDWARE

- A. A central server, located at the District's Maintenance Office, shall be provided. The server shall support all Network Area Controllers (NAC) connected to the customer's network whether local or remote.
- B. Local connections shall be via an Ethernet LAN. Remote connections can be via ISDN, ADSL, T1 or dial-up connection.
- C. It shall be possible to provide access to all Network Area Controllers via a single connection to the server. In this configuration, each Network Area Controller can be accessed from a remote Graphical User Interface (GUI) or from a standard Web browser (WBI) by connecting to the server.

- D. The server shall provide the following functions, at a minimum:
1. Global Data Access: The server shall provide complete access to distributed data defined anywhere in the system.
 2. Distributed Control: The server shall provide the ability to execute global control strategies based on control and data objects in any NAC in the network, local or remote.
 3. The server shall include a master clock service for its subsystems and provide time synchronization for all Network Area Controllers (NAC).
 4. The server shall accept time synchronization messages from trusted precision Atomic Clock Internet sites and update its master clock based on this data.
 5. The server shall provide scheduling for all Network Area Controllers and their underlying field control devices.
 6. The server shall provide demand limiting that operates across all Network Area Controllers. The server must be capable of multiple demand programs for sites with multiple meters and or multiple sources of energy. Each demand program shall be capable of supporting separate demand shed lists for effective demand control.
 7. The server shall implement the BACnet Command Prioritization scheme (16 levels) for safe and effective contention resolution of all commands issued to Network Area Controllers. Systems not employing this prioritization shall not be accepted.
 8. Each Network Area Controller supported by the server shall have the ability to archive its log data, alarm data and database to the server, automatically. Archiving options shall be user-defined including archive time and archive frequency.
 9. The server shall provide central alarm management for all Network Area Controllers supported by the server. Alarm management shall include:
 - a. Routing of alarms to display, printer, email and pagers
 - b. View and acknowledge alarms
 - c. Query alarm logs based on user-defined parameters
 10. The server shall provide central management of log data for all Network Area Controllers supported by the server. Log data shall include process logs, runtime and event counter logs, audit logs and error logs. Log data management shall include:
 - a. Viewing and printing log data
 - b. Exporting log data to other software applications
 - c. Query log data based on user-defined parameters
 11. Server Hardware Requirements: The server hardware platform shall have the following requirements:
 - a. The computer shall be an Intel Pentium IV based computer (minimum processing speed of 3.0 GHz with 2 GB RAM and a 100-gigabyte minimum hard drive). It shall include a DVD-ROM/CD-RW Combination Drive, 2-parallel ports, 2-asynchronous serial ports and 2-USB ports. A minimum 19" flat panel color monitor, 1280 x 1024 optimal preset resolution, 25 ms response time shall also be included.

- b. The server operating system shall be Microsoft Windows XP Professional. Include Microsoft Internet Explorer 6.0 or later.
- c. Connection to the TCS network shall be via an Ethernet network interface card, 100 Mbps.
- d. A system printer shall be provided. Printer shall be laser type with a minimum 600 x 600-dpi resolution and rated for 60-PPM print speed minimum.
- e. For dedicated alarm printing, provide a dot matrix printer, either 80 or 132 column width. The printer shall have a parallel port interface.

2.13 SYSTEM PROGRAMMING

- A. The Graphical User Interface software (GUI) shall provide the ability to perform system programming and graphic display engineering as part of a complete software package. Access to the programming functions and features of the GUI shall be through password access as assigned by the system administrator.
- B. A library of control, application, and graphic objects shall be provided to enable the creation of all applications and user interface screens. Applications are to be created by selecting the desired control objects from the library, dragging or pasting them on the screen, and linking them together using a built in graphical connection tool. Completed applications may be stored in the library for future use. Graphical User Interface screens shall be created in the same fashion. Data for the user displays is obtained by graphically linking the user display objects to the application objects to provide "real-time" data updates. Any real-time data value or object property may be connected to display its current value on a user display. Systems requiring separate software tools or processes to create applications and user interface displays shall not be acceptable.
- C. Programming Methods
 - 1. Provide the capability to copy objects from the supplied libraries, or from a user-defined library to the user's application. Objects shall be linked by a graphical linking scheme by dragging a link from one object to another. Object links will support one-to-one, many-to-one, or one-to-many relationships. Linked objects shall maintain their connections to other objects regardless of where they are positioned on the page and shall show link identification for links to objects on other pages for easy identification. Links will vary in color depending on the type of link; i.e., internal, external, hardware, etc.
 - 2. Configuration of each object will be done through the object's property sheet using fill-in the blank fields, list boxes, and selection buttons. Use of custom programming, scripting language, or a manufacturer-specific procedural language for configuration will not be accepted.
 - 3. The software shall provide the ability to view the logic in a monitor mode. When on-line, the monitor mode shall provide the ability to view the logic in real time for easy diagnosis of the logic execution. When off-line (debug), the monitor mode shall allow the user to set values to inputs and monitor the logic for diagnosing execution before it is applied to the system.
 - 4. All programming shall be done in real-time. Systems requiring the uploading, editing, and downloading of database objects shall not be allowed.

5. The system shall support object duplication within a customer's database. An application, once configured, can be copied and pasted for easy re-use and duplication. All links, other than to the hardware, shall be maintained during duplication.

2.14 LONWORKS NETWORK MANAGEMENT

- A. The Graphical User Interface software (GUI) shall provide a complete set of integrated LonWorks network management tools for working with LonWorks networks. These tools shall manage a database for all LonWorks devices by type and revision, and shall provide a software mechanism for identifying each device on the network. These tools shall also be capable of defining network data connections between LonWorks devices, known as "binding". Systems requiring the use of third party LonWorks network management tools shall not be accepted.
- B. Network management shall include the following services: device identification, device installation, device configuration, device diagnostics, device maintenance and network variable binding.
- C. The network configuration tool shall also provide diagnostics to identify devices on the network, to reset devices, and to view health and status counters within devices.
- D. These tools shall provide the ability to "learn" an existing LonWorks network, regardless of what network management tool(s) were used to install the existing network, so that existing LonWorks devices and newly added devices are part of a single network management database.
- E. The network management database shall be resident in the Network Area Controller (NAC), ensuring that anyone with proper authorization has access to the network management database at all times. Systems employing network management databases that are not resident, at all times, within the control system, shall not be accepted.

2.15 OBJECT LIBRARIES

- A. A standard library of objects shall be included for development and setup of application logic, user interface displays, system services, and communication networks.
- B. The objects in this library shall be capable of being copied and pasted into the user's database and shall be organized according to their function. In addition, the user shall have the capability to group objects created in their application and store the new instances of these objects in a user-defined library.
- C. In addition to the standard libraries specified here, the supplier of the system shall maintain an on-line accessible (over the Internet) library, available to all registered users to provide new or updated objects and applications as they are developed.
- D. All control objects shall conform to the control objects specified in the BACnet specification.
- E. The library shall include applications or objects for the following functions, at a minimum:
 1. Scheduling Object. The schedule must conform to the schedule object as defined in the BACnet specification, providing 7-day plus holiday & temporary scheduling features and a minimum of 10 on/off events per day. Data entry to be by graphical sliders to speed creation and selection of on-off events.
 2. Calendar Object. . The calendar must conform to the calendar object as defined in the BACnet specification, providing 12-month calendar features to allow for holiday or

special event data entry. Data entry to be by graphical "point-and-click" selection. This object must be "linkable" to any or all scheduling objects for effective event control.

3. Duty Cycling Object. Provide a universal duty cycle object to allow repetitive on/off time control of equipment as an energy conserving measure. Any number of these objects may be created to control equipment at varying intervals.
 4. Temperature Override Object. Provide a temperature override object that is capable of overriding equipment turned off by other energy saving programs (scheduling, duty cycling etc.) to maintain occupant comfort or for equipment freeze protection.
 5. Start-Stop Time Optimization Object. Provide a start-stop time optimization object to provide the capability of starting equipment just early enough to bring space conditions to desired conditions by the scheduled occupancy time. Also, allow equipment to be stopped before the scheduled un-occupancy time just far enough ahead to take advantage of the building's "flywheel" effect for energy savings. Provide automatic tuning of all start / stop time object properties based on the previous day's performance.
 6. Demand Limiting Object. Provide a comprehensive demand-limiting object that is capable of controlling demand for any selected energy utility (electric, oil, and gas). The object shall provide the capability of monitoring a demand value and predicting (by use of a sliding window prediction algorithm) the demand at the end of the user defined interval period (1-60 minutes). This object shall also accommodate a utility meter time sync pulse for fixed interval demand control. Upon a prediction that will exceed the user defined demand limit (supply a minimum of 6 per day), the demand limiting object shall issue shed commands to either turn off user specified loads or modify equipment set points to effect the desired energy reduction. If the list of sheddable equipment is not enough to reduce the demand to below the set point, a message shall be displayed on the users screen (as an alarm) instructing the user to take manual actions to maintain the desired demand. The shed lists are specified by the user and shall be selectable to be shed in either a fixed or rotating order to control which equipment is shed the most often. Upon suitable reductions in demand, the demand-limiting object shall restore the equipment that was shed in the reverse order in which it was shed. Each sheddable object shall have a minimum and maximum shed time property to effect both equipment protection and occupant comfort.
- F. The library shall include control objects for the following functions. All control objects shall conform to the objects as specified in the BACnet specification.
1. Analog Input Object - Minimum requirement is to comply with the BACnet standard for data sharing. Allow high, low and failure limits to be assigned for alarming. Also, provide a time delay filter property to prevent nuisance alarms caused by temporary excursions above or below the user defined alarm limits.
 2. Analog Output Object - Minimum requirement is to comply with the BACnet standard for data sharing.
 3. Binary Input Object - Minimum requirement is to comply with the BACnet standard for data sharing. The user must be able to specify either input condition for alarming. This object must also include the capability to record equipment run-time by counting the amount of time the hardware input is in an "on" condition. The user must be able to specify either input condition as the "on" condition.
 4. Binary Output Object - Minimum requirement is to comply with the BACnet standard for data sharing. Properties to enable minimum on and off times for equipment

protection as well as interstart delay must be provided. The BACnet Command Prioritization priority scheme shall be incorporated to allow multiple control applications to execute commands on this object with the highest priority command being invoked. Provide sixteen levels of priority as a minimum. Systems not employing the BACnet method of contention resolution shall not be acceptable.

5. PID Control Loop Object - Minimum requirement is to comply with the BACnet standard for data sharing. Each individual property must be adjustable as well as to be disabled to allow proportional control only, or proportional with integral control, as well as proportional, integral and derivative control.
6. Comparison Object - Allow a minimum of two analog objects to be compared to select either the highest, lowest, or equality between the two linked inputs. Also, allow limits to be applied to the output value for alarm generation.
7. Math Object - Allow a minimum of four analog objects to be tested for the minimum or maximum, or the sum, difference, or average of linked objects. Also, allow limits to be applied to the output value for alarm generation.
8. Custom Programming Objects - Provide a blank object template for the creation of new custom objects to meet specific user application requirements. This object must provide a simple BASIC-like programming language that is used to define object behavior. Provide a library of functions including math and logic functions, string manipulation, and e-mail as a minimum. Also, provide a comprehensive on-line debug tool to allow complete testing of the new object. Allow new objects to be stored in the library for re- use.
9. Interlock Object - Provide an interlock object that provides a means of coordination of objects within a piece of equipment such as an Air Handler or other similar types of equipment. An example is to link the return fan to the supply fan such that when the supply fan is started, the return fan object is also started automatically without the user having to issue separate commands or to link each object to a schedule object. In addition, the control loops, damper objects, and alarm monitoring (such as return air, supply air, and mixed air temperature objects) will be inhibited from alarming during a user-defined period after startup to allow for stabilization. When the air handler is stopped, the interlocked return fan is also stopped, the outside air damper is closed, and other related objects within the air handler unit are inhibited from alarming thereby eliminating nuisance alarms during the off period.
10. Temperature Override Object - Provide an object whose purpose is to provide the capability of overriding a binary output to an "On" state in the event a user specified high or low limit value is exceeded. This object is to be linked to the desired binary output object as well as to an analog object for temperature monitoring, to cause the override to be enabled. This object will execute a Start command at the Temperature Override level of start/stop command priority unless changed by the user.
11. Composite Object - Provide a container object that allows a collection of objects representing an application to be encapsulated to protect the application from tampering, or to more easily represent large applications. This object must have the ability to allow the user to select the appropriate parameters of the "contained" application that are represented on the graphical shell of this container.

- G. The object library shall include objects to support the integration of devices connected to the Network Area Controller (NAC). At a minimum, provide the following as part of the standard library included with the programming software:
1. LonMark/LonWorks devices. These devices shall include, but not be limited to, devices for control of HVAC, lighting, access, and metering. Provide LonMark manufacturer-specific objects to facilitate simple integration of these devices. All network variables defined in the LonMark profile shall be supported. Information (type and function) regarding network variables not defined in the LonMark profile shall be provided by the device manufacturer.
 2. For devices not conforming to the LonMark standard, provide a dynamic object that can be assigned to the device based on network variable information provided by the device manufacturer. Device manufacturer shall provide an XIF file, resource file and documentation for the device to facilitate device integration.
 3. For BACnet devices, provide the following objects at a minimum:
 - a. Analog In
 - b. Analog Out
 - c. Analog Value
 - d. Binary
 - e. Binary In
 - f. Binary Out
 - g. Binary Value
 - h. Multi-State In
 - i. Multi-State Out
 - j. Multi-State Value
 - k. Schedule Export
 - l. Calendar Export
 - m. Trend Export
 - n. Device
 4. For each BACnet object, provide the ability to assign the object a BACnet device and object instance number.
 - a. For BACnet devices, provide the following support at a minimum
 - b. Segmentation
 - c. Segmented Request
 - d. Segmented Response
 - e. Application Services
 - f. Read Property
 - g. Read Property Multiple
 - h. Write Property

- i. Write Property Multiple
- j. Confirmed Event Notification
- k. Unconfirmed Event Notification
- l. Acknowledge Alarm
- m. Get Alarm Summary
- n. Who-has
- o. I-have
- p. Who-is
- q. I-am
- r. Subscribe COV
- s. Confirmed COV notification
- t. Unconfirmed COV notification
- u. Media Types
- v. Ethernet
- w. BACnet IP Annex J
- x. MSTP
- y. BACnet Broadcast Management Device (BBMD) function
- z. Routing

2.16 MODBUS SYSTEM INTEGRATION

- A. The Network Area Controller shall support the integration of device data from Modbus RTU, ASCII, or TCP control system devices. The connection to the Modbus system shall be via an RS-232, RS485, or Ethernet IP as required by the device.
- B. Provide the required objects in the library, included with the Graphical User Interface programming software, to support the integration of the Modbus system data into the FPMS. Objects provided shall include at a minimum:
 - 1. Read/Write Modbus AI Registers
 - 2. Read/Write Modbus AO Registers
 - 3. Read/Write Modbus BI Registers
 - 4. Read/Write Modbus BO Registers
- C. The Network Area Controller shall perform all scheduling, alarming, logging and global supervisory control functions, of the Modbus system devices.
- D. The Temperature Controls Contractor shall provide a Modbus system communications driver. The equipment system vendor that provided the equipment utilizing Modbus shall provide documentation of the system's Modbus interface and shall provide factory support at no charge during system commissioning

2.17 OTHER CONTROL SYSTEM HARDWARE

- A. Space Temperature Wall Module. Wall Module shall be Honeywell or equivalent.
 - 1. Wall module shall have a 20K Ohm NTC thermistor temperature sensor with operating range of 45 to 99 F under a locking cover/enclosure with UL 916 listing designed for mounting on a standard electrical switch box.
 - 2. Space temperature sensors shall be accurate to plus or minus one F degree.
 - 3. Where specified, space temperature sensors shall have a setpoint knob calibrated for warmer-cooler adjustments
 - 4. Where specified, wall module shall also have an after-hours override pushbutton and LED override indicator.
 - 5. Insulating foam shall be installed on the back of all space temperature wall modules to prevent air infiltration from wall opening.
- B. Duct Mount and Outside Air Temperature Sensors: Temperature sensors with an accuracy of +0.3° F. Temperature sensors shall be Honeywell or equivalent.
 - 1. Outside air sensors shall include an integral sun shield.
 - 2. Duct sensors shall have sensor approximately in center of the duct, and shall have selectable lengths of 6, 12, and 18 inches.
 - 3. Multipoint averaging element sensors shall be provided where specified and shall have a minimum of one foot of sensor length for each square foot of duct area (provide multiple sensors if necessary).
 - 4. Pipe mount sensors shall have copper, or stainless steel separable wells.
- C. Current Sensitive Switches: Solid state, split core current switch that operates when the current level (sensed by the internal current transformer) exceeds the adjustable trip point shall be provided where specified. Current switches shall include an integral LED for indication of trip condition and a current level below trip set point.
- D. Humidity Sensors. Humidity sensors shall be Honeywell or equivalent.
 - 1. Duct and room sensors shall have a sensing range of 5% to 95%.
 - 2. Duct sensors shall be provided with a sampling chamber.
 - 3. Outdoor air humidity sensors shall have a sensing range of 20% to 95% RH. They shall have a compensated ambient temperature range of -40°F to 170° F.
- E. Temperature Control Panels: Furnish temperature control panels of code gauge steel with locking doors for mounting all devices as shown. Control panels shall meet all requirements of Title 24, California Administrative Code. All external wiring shall be connected to terminal strips mounted within the panel. A complete set of 'as-built' control drawings (relating to the controls within that panel) shall be furnished within each control panel.

2.18 SEQUENCE OF OPERATION

- A. Constant Volume Air Handling Unit, 1-Stage Cooling, 1-Stage Heating, with Economizer Enabled from Outside Air Dry Bulb Temperature. Constant Volume HVAC Unit Controller Software. The constant volume unit controller shall be configurable for air handlers with staged or analog heating and cooling, minimum or modulating economizer outside or mixing

damper dampers, and enthalpy or dry bulb economizer changeover. Controller shall comply with LonMark HVAC profile #8030.

1. Fan Off. Anytime the fan is off, all system heating and cooling shall be off, and the mixing dampers shall be positioned closed to the outside air.
2. Fan and Mode Control. System fan and heating/cooling temperature setpoints shall normally be placed in the occupied, standby, or unoccupied mode of operation and control via a system scheduler unique seven-day schedule. Prior to scheduled occupied periods, the unoccupied temperature setpoint shall be ramped up to the occupied setpoint over a time period proportional to the temperature difference between the room temperature and the occupied temperature setpoint such that at occupancy time the occupied temperature is reached. During unoccupied and standby periods the outside air damper shall be closed and the fan shall remain off until heating or cooling is demanded to satisfy the unoccupied and standby temperature setpoints. The standby mode of operation is for periods of temporary vacancy such as the lunch hour, and shall use owner determined temperature setpoints a degree or two away from the occupied comfort settings. System shall automatically revert to the proper mode of operation after restoration of power after a power failure. Units shall restart at a random staggered time interval after power restoration.
3. Occupant Schedule Override Control. When any room HVAC system is operating in a mode other than OCCUPIED, each room temperature sensor wall module schedule override button shall provide the room occupant with ability to place the system in the occupied mode of operation for 60 (180 default, user programmable) minutes by pressing the module override button. Via the button, the occupant shall also have the ability to cancel the override command, or to place the system in the unoccupied mode when operating in the occupied mode. Via the module LED, the occupant shall have the ability to note the status of the system overrides as being in the override mode, override unoccupied mode, continuously occupied mode via a network command, or in the normal mode of operation (LED off).
4. Fan Fail Alarm. Any time the fan is commanded on and the fan differential pressure switch piped across the fan, or a fan current sensor, does not prove air flow or fan operation, a fan-failed alarm shall be presented to the operator station. This alarm check shall be delayed upon fan start for 10 seconds (adjustable) to give the system time to prove flow prior to creating a false alarm.
5. Temperature Control, Occupied Periods. Heating control shall operate with 6 cycles per hour, and cooling control shall operate with 4 cycles per hour unless the equipment manufacturer dictates other parameters. If the scheduler commands the fan to stop during periods of electric duct heating, the heater shall be de-energized and the fan shall continue to run for 60 seconds to dissipate the residual heater heat prior to stopping airflow. A staging PID algorithm with heating and cooling anticipation features shall be employed for all staging control. Upon a drop in space temperature below the heating setpoint, the lead duct heater shall be energized, the on time proportional to the heating load. After the lead heater stage becomes full on, a further increase in the heating load shall cause the lag heating stage to be cycled, the on time proportional to the increasing load. The reverse of this shall happen on a decrease in heating load. Upon a rise in space temperature above the cooling setpoint, the lead compressor/coil shall be energized, the on time proportional to the cooling load. After the lead cooling stage becomes full on, a further increase in the cooling load shall cause the lag compressor/coil stage to be cycled, the on time proportional to the increasing load. The reverse of this shall happen on a decrease in cooling load.

6. If the space temperature drops or rises to either the heating or cooling unoccupied temperature setpoint during unoccupied periods, the system shall start and operate in the heating or cooling mode until the unoccupied temperature setpoints have been satisfied. The same operation shall occur for the standby mode of operation where specified.
7. Discharge Low Limit. If at any time the discharge airdrops below the user defined discharge air temperature low limit, an alarm shall be issued and the mixing dampers shall be driven closed to the outside air. As the temperature rises, the dampers shall modulate open to the minimum ventilation position and the alarm shall clear.
8. Wall Sensor Module. Wall temperature sensor module shall be located where shown on the plans, and shall include the temperature sensor, the occupied/unoccupied override selection push button with override status LED (where specified), a warmer-cooler setpoint adjustment knob (where specified), and a jack for connecting to the LonTalk communication network. The system owner determines the normal heating and cooling room temperature setpoints for all wall module sensors (such as 73F & 77F). The warmer-cooler adjustment knob on the wall module shall give room occupants the ability to vary these values by an owner determined increment, such as two degrees, by rotating the setpoint knob. The setpoint knob shall not affect Setpoints in use when the room is unoccupied.
9. Master Override Button. Provide a Master Override Button for each of the school sites at the District's WEBSTATION-AX central server to lockout all of the classroom AC unit compressors when commanded.

2.19 POINT LISTS

- A. The points in the following table shall be accessible from the Graphical User Interface (GUI) and/or the Web browser interface (WBI). The supplier of the IDC and IBC devices shall ensure that the points listed in this table are accessible on their respective networks, by the Network Area Controller (NAC).
- B. The following abbreviations apply to the point table to indicate what level of functionality must be provided:

D = Display only

M = Modify value

A = Alarm

L = Log

S = Schedule

GC = Global supervisory control routine such as demand limiting

System Points						
Typical for all AC, HP & FC units	D	M	A	L	S	GC
AC Unit S/S		X			X	X
AC Unit Status	X		X	X		
AC Unit Supply Air Temperature	X		X	X		

Space Temperature	X		X	X		
Space Cooling Setpoint		X		X		X
Space Heating Setpoint		X		X		X
Cooling Stage	X			X		
Heating Stage	X			X		
Smoke Detector	X		X			
Door Switches <input type="checkbox"/> <input type="checkbox"/>	X		X			
Other misc. points						
Misc. Room Temperatures (see mech	X			X		
MDF Room Temperatures (1 per site)	X		X	X		
Walk-in Freezer Temperature (1 per site)	X		X	X		
Walk-in Freezer Hot Gas BP Status (1 per	X		X	X		
Walk-in Refrigerator Temperature (1 per	X		X	X		
Walk-in Refrige Hot Gas BP Status (1 per	X		X	X		
Hot Water Pump Start/Stop		X		X	X	X
Hot Water Pump Status	X		X	X		
Boiler Supply Water Temperature	X		X	X		
Boiler Return Water Temperature	X		X	X		
Outside air temperature (1 per site)	X		X	X		
Outside air humidity (1 per site)	X		X			
Power Meter (1 per site) <input type="checkbox"/> <input type="checkbox"/>	X		X	X		
*Door switches are to be provided under Alternate #1						
**Power Meter is to be provided under Alternate #2						

PART 3 - EXECUTION

3.1 INSTALLATION

- A. All work described in this section shall be performed by a Honeywell "Authorized Controls Integrator" that has a successful history in the design and installation of integrated control systems using Niagara Framework. The installing contractor shall have a local office located within 20 miles from Sweetwater Union High School District and a minimum of ten years of integration experience installing Honeywell DDC control systems and shall provide documentation in the submittal package verifying the company's experience.

- B. The Temperature Controls Contractor shall have employees at the local branch that are fully trained and certified for the Honeywell WEBs Systems incorporating Niagara Framework. Copies of the employees Niagara Training Certificates shall be included in the submittals.
- C. Install system and materials in accordance with manufacturer's instructions, and as detailed on the project drawing set.
- D. Drawings of the TCS network are diagrammatic only and any apparatus not shown, but required to make the system operative to the complete satisfaction of the Owner shall be furnished and installed without additional cost.
- E. Line and low voltage electrical connections to control equipment shown specified or shown on the control diagrams shall be furnished and installed by this contractor in accordance with these specifications.
- F. Temperature Controls Contractors shall have a C-10 License in good standing in the state of California.

3.2 WIRING

- A. All electrical control wiring and power wiring to the control panels, NAC, computers and network components shall be installed in conduit and be the responsibility of the Temperature Controls Contractor.
- B. All wiring shall be in accordance with the National Electrical Code and any applicable local codes. All TCS wiring shall be installed in the conduit types allowed by the National Electrical Code or applicable local codes. Where TCS plenum rated cable wiring is allowed it shall be run parallel to or at right angles to the structure, properly supported and installed in a neat and workmanlike manner.
- C. Echelon Compliant Direct Burial Cable shall be used for all underground communication bus wiring between buildings to prevent damage from moisture. The existing underground conduit systems are not watertight.

3.3 WARRANTY

- A. Equipment, materials and workmanship incorporated into the work shall be warranted for a period of two years from the time of system acceptance.
- B. Within this period, upon notice by the Owner, any defects in the work provided under this section due to faulty materials, methods of installation or workmanship shall be promptly (within 48 hours after receipt of notice) repaired or replaced by this contractor at no expense to the Owner.

3.4 WARRANTY ACCESS

- A. The Owner shall grant to this contractor, reasonable access to the TCS during the warranty period.
- B. The owner shall allow the contractor to access the TCS from a remote location for the purpose of diagnostics and troubleshooting, via the Internet, during the warranty period.

3.5 SOFTWARE LICENSE

- A. The Owner shall be the named license holder of all software associated with any and all incremental work on the project(s). The owner, or his appointed agent, shall determine which organizations to be named in the "orgid" of all Niagara Framework software licenses.
- B. The owner, or his appointed agent, shall be free to direct the modification of the "orgid" in any Niagara Framework software license, regardless of supplier.
- C. The owner, or his appointed agent, shall receive ownership of all job specific software configuration documentation, data files, and application-level software developed for the project. This shall include all custom, job specific software code and documentation for all configuration and programming that is generated for a given project and /or configured for use within Niagara Framework (Niagara) based controllers and/or servers and any related LAN / WAN / Intranet and Internet connected routers and devices. Any and all required Ids and passwords for access to any component or software program shall be provided to the owner.

3.6 ACCEPTANCE TESTING

- A. Upon completion of the installation, this contractor shall load all system software and start-up the system. This contractor shall perform all necessary calibration, testing and debugging and perform all required operational checks to insure that the system is functioning in full accordance with these specifications.
- B. This contractor shall perform tests to verify proper performance of components, routines, and points. Repeat tests until proper performance results. This testing shall include a point-by-point log to validate 100% of the input and output points of the DDC system operation.
- C. Upon completion of the performance tests described above, repeat these tests, point by point as described in the validation log above in presence of Owner's Representative, as required. Properly schedule these tests so testing is complete at a time directed by the Owner's Representative. Do not delay tests so as to prevent delay of occupancy permits or building occupancy.
- D. System Acceptance: Satisfactory completion is when this contractor have performed successfully all the required testing to show performance compliance with the requirements of the Contract Documents to the satisfaction of the Owner's Representative. System acceptance shall be contingent upon completion and review of all corrected deficiencies.

3.7 OPERATOR INSTRUCTION, TRAINING

- A. During system commissioning and at such time acceptable performance of the TCS hardware and software has been established this contractor shall provide both off-site and on-site operator instruction to the owner's operating personnel. Operator instruction shall be done during normal working hours and shall be performed by factory-trained personal that are familiar with the system hardware, software and accessories.
- B. This contractor shall provide 40 hours of instruction to the owner's designated personnel on the operation of the TCS and describe its intended use with respect to the programmed functions specified. Operator orientation of the systems shall include, but not be limited to; the overall operation program, equipment functions (both individually and as part of the total integrated system), commands, systems generation, advisories, and appropriate operator intervention required in responding to the System's operation. Contractor to provide local training facility that will accommodate up to 12 school district employees.

- C. The training shall be in three 8-Hour sessions as follows:
1. First Training Session: 8 Hours of classroom training after system is started up and at least one week before first acceptance test. Manual shall have been submitted at least two weeks prior to training so that the owners' personnel can start to familiarize themselves with the system before classroom instruction begins.
 2. Second Training Session: 8 Hours of classroom training approximately two weeks after initial training, and before Formal Acceptance. These sessions will deal with more advanced topics and answer questions.
 3. Third Training Session: 8 Hours of classroom training to be scheduled at the request of the owner during the first six-month period. These sessions shall cover topics as requested by the owner such as: how to add additional points, create and gather data for trends, graphic screen generation or modification of control routines.

END OF SECTION

23 20 00 – HVAC PIPING

PART 1 - GENERAL

- 1.1 Section Includes
 - A. Refrigeration System Piping
 - B. Piping Supports

PART 2 - PRODUCTS

- 2.1 Piping: Type ACR L Hard Copper. Joints: Solder for copper using 95% tin - 5% antimony. Provide wrought copper fittings.
- 2.2 Fittings: Provide wrought copper fittings.
- 2.3 Refrigeration Specialties: Provide in line filter driers at all condensing units in suction piping. Provide shut off valves at each condensing unit. Provide suction line accumulators.
- 2.4 Hangers:
 - A. Copper pipe: horizontal - insulated and uninsulated: Adjustable steel clevis of sufficient size to fit outside of insulation.
 - B. Copper pipe: vertical - insulated and uninsulated: Tubing riser clamp carbon steel with copper finish; or figure with plastic coating on formed portion.
 - C. Hanger Spacing:
 - D. Copper pipe: 1/2" to 2" pipe every 6'- 0" or less.
 - E. Copper pipe: 2" and larger pipe every 8'- 0" or less.
 - F. Pipe Supports on Roof: Roof pipe supports shall be Dura-Block™ by Eaton's B-Line Business 509 West Monroe Street, Highland, IL 62249, in size and quantity to meet manufactures specifications for rated loads.
 - G. Provide seismic motion restraints as required by California Mechanical 1997 and California Building Codes 1998.

PART 3 - EXECUTION

- 3.1 Supports shall secure pipes in place, shall prevent pipe vibration and maintain required grading of proper adjustment, and shall provide for expansion and contraction.
- 3.2 Hangers and roof supports shall be located near or at changes in piping direction and at concentrated loads and shall provide vertical adjustment to maintain pitch required. All piping mechanically attached to metal studs or bracing shall be attached with approved

isolator devices. These isolation devices are for the avoidance of excessive noise or vibration in the building due to the operation of equipment, and/or due to interconnected piping, ductwork or conduit.

- 3.3 Hangers and roof supports shall be of strength and rigidity to suit loading and service and in a manner which will not unduly stress the building construction. Hangers and roof supports shall be of adequate size to fit outside the insulation.

3.4 REFRIGERATION PIPING INSTALLATION

- A. All piping shall be concealed in walls, furred spaces, pipe spaces, or above suspended ceilings. Piping shall be grouped wherever practical and shall be installed uniformly in straight parallel lines in either vertical or horizontal positions and at right angles with beams, walls, ceilings or other building lines. Install all exposed piping as close as practical to walls, columns or overhead construction to provide maximum headroom and minimum interference with usable building space. Where interference develops in the field, piping shall be offset or routed as required.
- B. Pipe shall be installed to eliminate sagging.
- C. All pipe, fittings and valves shall bear manufacturer's name and trademark, and valves shall have service and pressure rating cast in bodies.
- D. Copper piping passing through poured concrete floors shall be sleeved and wrapped with plastic foam or fire stop material as appropriate with 50% overlap.

3.5 PIPE TESTING

- A. All piping system shall be tested and proven tight prior to concealment.
- B. Insure that the test pressure which might damage equipment does not reach such units by valving them off or otherwise isolating them during the test.
- C. All air tests shall be held for a minimum of four hours without loss of pressure.

END OF SECTION

23 31 00 - HVAC DUCTS AND CASINGS

PART 1 - GENERAL

- 1.1 Section Includes
 - A. Metal Ducts
 - B. Nonmetal Ducts
 - C. HVAC Casings
- 1.2 Quality Assurance
 - A. Installation Standards
 - 1. NFPA 90A.
 - 2. NFPA 90B.
 - 3. SMACNA's "HVAC Duct Construction Standards - Metal and Flexible."
 - 4. California Mechanical Code.

PART 2 - PRODUCTS

- 2.1 SHEET METAL
 - A. Unless otherwise specified, sheet metal used for duct and plenum construction shall be G60 coated galvanized steel of lock forming grade conforming to ASTM standards A-525 and A-527. All duct work and supports shall be galvanized. All sheet metal round duct shall be round spiral lock-seam construction. "Knock down" (KD) duct is not acceptable.
 - B. The gauge of the duct and its construction shall be based on low pressure or medium pressure or low or medium velocity. The velocities can be obtained by the duct size and CFM values listed on the drawings. The static pressure for various systems is listed on the mechanical equipment schedule. Refer to the SMACNA standards for the correct duct construction based on the velocities and static pressures involved.
 - C. Sealing of Duct Work: All supply and return duct work from mechanical units, all exhaust duct work and all outside air duct work shall have a high pressure Class A seal per SMACNA.
 - D. Alumiflex type duct will not be permitted. All ducts are to be rigid galvanized sheet metal.
 - E. Exposed round ductwork shall be equal to United McGill Round Uni-Light spiral duct, manufactured from G 60 galvanized sheet steel meeting ASTM A-527-71 (lock forming quality). The duct and fittings shall be assembled with United Uni-Ramp joints, using sheet metal screws.
 - F. All ductwork exposed on roofs must be dog house design to prevent ponding.
 - G. Ductwork fittings, transitions, and hangers exposed to view shall be painted. Provide primer and final coat on all exposed to view ductwork. The color of the final coat of paint shall be selected by the Architect.

- H. All fittings shall be standard design fittings of the same manufacturer as the duct. Branch takeoffs shall be set at 45 degrees to the trunk duct in the direction of the air flow, with factory made fittings. All reductions in duct size shall be made in factory fabricated reducing fittings. Elbows with heel taps are not acceptable.
- I. All factory fabricated fittings and joints must be joined using sheet metal screws and duct sealing compound. Ducts made up with sealer shall have a minimum of 2" overlap and sealed with duct sealing compound applied to both parts for the full length of the overlap.
- J. Concealed and exposed to view fume exhaust ducts shall be 16-gauge 316 stainless steel duct and fittings. All seams and connections shall be welded. All exposed to view fume exhaust ductwork, fittings, transitions, and hangers shall be painted. Provide primer and final coat of paint on all ductwork, fittings, transitions, and hangers. The color of the final coat of paint shall be selected by the Architect or Owner's District's Representative.
- K. Clothes dryer exhaust ducts to be constructed of galvanized steel duct. Clothes dryer exhaust ducts shall not have fasteners or other projections into the air stream.

2.2 FLEXIBLE DUCT

- A. Flexible duct shall only be permitted in concealed tee bar ceilings and at the end of duct runouts to diffusers or grills. No flex duct shall be exposed to view. The maximum flex length shall be 7 feet.
- B. Provide flexible connections at inlet and discharge connections of fans and air handling equipment to prevent mechanical noises from being transmitted to connecting ductwork.
- C. Acceptable manufacturers are Vent fabrics, Inc and Duro Dyne MFG. UL listed, fire-retardant, Flexible Duct Connector, Metal - Fab® 3x3x3 Grip Loc MBX333 (#10159) or equal, to NFPA 90A and crimped into metal edging strip.
 - 1. Ventglas shall be used for flexible duct connections when not exposed to the weather.
 - 2. Ventlon shall be used for flexible duct connections exposed to the weather.
- D. Flexible ducts shall be installed in as straight a manner as possible. Avoid bends with inside radius of less than one duct diameter. Cut ducts to length required, rather than using bends to take up slack.
- E. Flexible duct shall comply with the Class I requirements of the NFPA Bulletin No. 90-A with a flame spread rating 25 or less and smoke developed rating not higher than 50.
- F. All flexible ducts shall be insulated unless otherwise specified. Insulation shall be 1" thick (min.) fiberglass with "R" value at 75 degrees F.
- G. Acoustical Flexible Ductwork - Flexible duct in sound sensitive spaces shall be UL 181 Class 1 acoustical flexible duct or equal of Casco Silentflex II or AP (R or F) by JP Lamborn Co. Duct shall be factory made and consist of an interior liner that is sound transparent. Interior liner material to be spun nylon or similar spun-bonded, nonwoven fabric. Interior liner shall not be air or watertight. Acoustic insertion loss shall not be less than 3 dB per foot of straight duct at 500 hertz based on 6-inch duct at 2,500 feet per minute.

2.3 ROUND DUCT TAKE-OFF FITTINGS

- A. Take-off fittings for all rigid round ducts shall be at 45-degree angles to the main duct or use bellmouth fitting. Provide quadrant damper at duct take-off fitting unless otherwise specified.

2.4 DUCT SEALANT

- A. Acceptable manufacturer is Chicago Mastic Corp. and Sealing System by Hardcast, Inc.
- B. Duct sealer shall be a mineral impregnated fiberglass or metal-to-metal air pressure sealant that is flexible and self-curing.
- C. Sealant shall be fire resistive when dry.

PART 3 - EXECUTION

3.1 GENERAL

- A. Ductwork construction and installation including sheet metal gauges, reinforcement, joint sealing, air leakage and details not specifically shown on the drawings shall be in accordance with SMACNA Publication "HVAC Duct Construction Standards - Metal and Flexible" Second Edition and SMACNA Publication "Seismic Restraint Manual: Guidelines for mechanical systems 2nd Edition, 1998".
- B. Use Ductmate Duct Connection System for all transverse joints in ducts.
- C. Seal seams, joints, duct connections, elbow gores with Hardcast high pressure Class A SMACNA sealant.
- D. Radius elbows shall have a centerline radius equal to 1-1/2 times the duct width. Square throats will not be permitted on radius elbows. Square elbows shall have double thick turning vanes. Job fabricated turning vanes will not be accepted without prior acceptance.
- E. Provide all necessary dampers as required for proper adjustment and control of air distribution. All dampers shall have rigid bearings and locking quadrants that allow no rattling. All damper rods shall be marked to indicate the relative position of the damper blade with respect to the rod. Install fire dampers in accordance with their UL listing and the manufacturers recommendations.
- F. All grilles, registers, and diffusers shall be set flush and true to the wall or ceilings to prevent air leakage around the edges. Provide plaster frames for all outlets in plaster or gypsum board.
- G. Provide 1" angle collars for all exposed ducts passing through roofs, ceilings, floors and walls. Anchor collars in position after installation is complete.
- H. At all places where inside of duct will be visible through return air grilles, louvers, etc., paint normally visible inside portion of duct with flat black paint.
- I. Install hinged doors on ductwork and housing to provide access to all parts of every automatic damper, fire damper and all other items requiring maintenance or inspection.
- J. Transitions in ductwork, in changing shapes and sizes, shall be made with angles not exceeding 15 degrees wherever possible. Maximum divergence upstream of equipment shall be 30 degrees and maximum convergence downstream shall be 45 degrees.
- K. Where horizontal ducts pass through walls and vertical ducts pass through roof or floors, supporting angles shall be rigidly attached to ducts and to the wall, roof or floor. Angles shall be galvanized and of approved sizes to properly support the ductwork. The supporting angles shall be placed on at least two sides of the duct.

- L. Where horizontal ducts pass through walls and vertical ducts pass through roof or floors, the openings shall be tightly sealed off so as to provide an air and sound tight seal between duct and opening.
 - M. Contractor shall not provide holes in the duct systems for the installation of hangers, conduits, etc. Coordinate work of all other trades so this will not be necessary.
 - N. Ensure that interior of ducting is kept clean during building construction. Install plastic film over exposed duct openings as soon as ducts are installed.
 - O. Locate duct with sufficient space around equipment to allow normal operating and maintenance activities.
 - P. All supply air, return air, outside air and exhaust air ductwork joints and seams to be sealed through their entirety with high pressure Class A SMACNA duct sealant.
 - Q. Complete metal ducts within themselves with no single partition between ducts. Where width of duct exceeds 18 inches, cross break for rigidity. Open corners are not acceptable.
 - R. Lap metal ducts in direction of air flow. Hammer down edges and slips to leave smooth duct interior.
 - S. Construct tees, bends and elbows with radius of not less than 1-1/2 times width of duct on centerline. Where not possible and where rectangular elbows are used, provide approved type airfoil turning vanes.
 - T. Clothes dryer exhaust ducts shall be fabricated with no screws or other penetrations into the air stream.
- 3.2 FLEXIBLE DUCTWORK
- A. Connect flexible ducts to metal ducts with metal draw bands plus sheet metal screws. Use crimp joints with bead for joining round duct sizes with crimp in direction of airflow.
- 3.3 FLEXIBLE CONNECTIONS
- A. Provide flexible connections at inlet and discharge connections of fans and air handling equipment to prevent mechanical noises from being transmitted to connecting ductwork. Align sheet metal duct with fan or fan casing opening in all three dimensions prior to installation of flexible connection, so that duct opening nearly coincides and are almost equally spaced from one another all around. Do not install flexible connection until above requirements are met. Fans or fan casings and ducts shall be able to move 1" in any direction relative to each other without short-circuiting metal to metal or stretching taut the flexible connection.

END OF SECTION

23 33 00 - AIR DUCT ACCESSORIES

PART 1 - GENERAL

1.1 Section Includes

- A. Backdraft and pressure relief dampers.
- B. Barometric relief dampers.
- C. Manual volume dampers.
- D. Control dampers.
- E. Fire dampers.
- F. Ceiling radiation dampers.
- G. Smoke dampers.
- H. Combination fire and smoke dampers.
- I. Flange connectors.
- J. Duct silencers.
- K. Turning vanes.
- L. Remote damper operators.
- M. Duct-mounted access doors.
- N. Flexible connectors.
- O. Flexible ducts.
- P. Duct accessory hardware.

1.2 Submittals

- A. Product Data: For each type of product indicated.
 - 1. For duct silencers, include pressure drop and dynamic insertion loss data. Include breakout noise calculations for high transmission loss casings.
- B. Shop Drawings.

1.3 Quality Assurance

- A. Installation Standards
 - 1. NFPA 90A.
 - 2. NFPA 90B.
 - 3. SMACNA's "HVAC Duct Construction Standards - Metal and Flexible."
 - 4. California Mechanical Code.

PART 2 - PRODUCTS

- 2.1 Provide airfoil blade dampers for applications over 1500 fpm.
- 2.2 Backdraft and Pressure Relief Dampers: Multiple blade, parallel action, gravity balanced with return springs.
- 2.3 Gravity backdraft dampers shall be fabricated multi blade, parallel action, gravity balanced backdraft dampers of galvanized steel or extruded aluminum, with center pivoted blades linked together; with sealed edges, steel ball bearings, and plated steel pivot pin.
- 2.4 Barometric Relief Dampers: Horizontal or vertical mounting; multiple blade, parallel action, gravity balanced with return springs.
- 2.5 Manual Volume Dampers: Multiple and single blade, parallel- and opposed-blade design, with linkage outside airstream.
 - A. Standard, steel, manual volume dampers.
 - B. Standard, aluminum, manual volume dampers.
 - C. Low-leak, steel, manual volume dampers.
 - D. Low-leak, aluminum, manual volume dampers.
 - E. Acceptable manufacturer are Penn Ventilator Co., Metal Form Manufacturing Co. and Durodyne MFG.
 - F. Provide tight close-off dampers at locations indicated on drawings or as needed for control of the air distribution system.
 - G. Dampers shall have air loss (leakage), when closed, less than 1% of the full flow rate (based on approach velocity of 2,000 fpm) with a pressure differential across damper 4" static pressure or less.
 - H. Construction shall be of No. 22 gauge galvanized blades.
- 2.6 All control rods for volume dampers shall be continuous throughout blade and duct work. Provide locking quadrants and bronze bushings.
- 2.7 Control Dampers: Parallel or Opposed-blade design; galvanized-steel, stainless-steel, or aluminum frame and blades.
- 2.8 Fire Dampers: Static and dynamic, replaceable electric heat-responsive device.
- 2.9 Ceiling Radiation Dampers: Replaceable heat-responsive device.
- 2.10 Smoke Dampers
 - A. Multiple-blade type Curtain type with blades outside airstream except when located behind grille, where blades may be inside airstream.

- B. Leakage: Class II.
- 2.11 Combination Fire and Smoke Dampers: Static and dynamic, replaceable electric heat-responsive device.
- A. Acceptable manufacturers are Pottorff, Ruskin, Air Balance Inc. or Greenheck.
 - B. Provide combination fire/smoke dampers where shown on the drawings.
 - C. WALL AND CONCRETE FLOOR INSTALLATIONS
 - 1. TYPE 1: SMOKE CLOSURE "MOTOR", FIRE CLOSURE "FUSIBLE LINK"
 - a. Combination fire/smoke dampers will be louver bladed type. Dampers must be tested and listed under both UL 555 and UL 555S. Units must be factory-supplied assemblies that consist of damper, sleeve and 1-cycle/year actuator. Dampers must have a minimum class II leakage and dynamic closure rating under UL 555S. Provide units as power-open unless otherwise noted. Actuators to have a min. operating temperature of 350° F. Seals should be metal-to-metal without the use of synthetic gasket. Fusible links shall be rated for 212° F, unless otherwise noted. Install in accordance with manufacture's installation instructions provided with units. Provide suitable access for inspection and servicing of each damper. Provide integrated CSFM listed duct smoke detector model 2151 or DH-100 AC/DC.
 - 1) Motor actuators must be by ISO 9000 recognized control manufacturer and certified by ETL laboratories for 1-year continuous power applications such as Invensys, Siemens and Honeywell. Inexpensive stall motors will not be accepted.
 - 2) Provide units with dual position indicator switches for remote annunciation. Pottorff model FSD 142, CSFM No. 3225-0368:110 & 3230-368: 111.
 - 2. TYPE 2: FIRE/SMOKE CLOSURE "MOTOR W/ BIMETAL LINKS"
 - a. Combination fire/smoke dampers will be louver bladed type. Dampers must be tested and listed under both UL 555 and UL 555S. Units must be factory-supplied assemblies that consist of damper, sleeve and 1 cycle/year actuator. Dampers must have a minimum class II leakage and dynamic closure rating under UL 555S. Provide units as power-open unless otherwise noted. Actuators to have a minimum operating temperature of 350° F. Seals should be metal to metal without the use of synthetic gasket. Dual temperature thermal switches (DRS-30) rated for 212° F & 350° F, unless otherwise noted. Install in accordance with manufacture's installation instructions provided with units. Provide suitable access for inspection and servicing of each damper. Provide integrated CSFM listed duct smoke detector model 2151 or DH-100 AC/DC.
 - b. Motor actuators must be by ISO 9000 recognized control manufacturer and certified by ETL laboratories for 1-year continuous power applications such as Invensys, Siemens and Honeywell. Inexpensive stall motors will not be accepted. Dual temperature thermal switches shall be equipped with auxiliary contacts for remote annunciation. Pottorff model FSD 142, CSFM No. 3225-0368:110 & 3230-368: 111.

D. FOR CORRIDOR CEILING APPLICATIONS

1. Dampers shall be of similar construction to those above except, in tunnel corridor construction where the ceiling construction is similar to that of the wall provide dampers that have been specifically tested and listed for horizontal mounting as corridor dampers under UL 555 and 555S. Pottorff model FSD 172, CSFM No. 3225-0368:110 & 3230-0368:111.
2. Dampers that are installed in corridor ceilings where the construction is (floor/ceiling or roof/ceiling assemblies) that require radiation protection will be radiation dampers that have been tested and listed under both UL 555 and UL 555S. The dampers will have a minimum class II leakage rating. The dampers will be activated by a bimetal, electric link that responds to a signal from a smoke detector, and shall require manual reset. Pottorff model 5680/5660FG, CSFM No. 3225-0368:006 & 3230-0368:106.
 - a. Each combination fire/smoke damper shall meet all requirements specified for fire dampers and additionally shall include an operating shaft which, when rotated 90 degrees, causes damper to operate between closed and open. Operating shaft and damper combination shall be suitable for linking to an operation by any standard low voltage electric damper operator having sufficient torque characteristics.
 - b. Install a duct smoke detector and provide control wiring and conduit for each combination fire/smoke damper per California Building Code requirements.

2.12 Duct Silencers: Factory fabricated and tested, round or rectangular.

- A. Acceptable Manufacturer: Vibro-Acoustics as Basis of Design or equal by Industrial Acoustics Co. (IAC).
- B. Materials and Construction
 1. Outer Casing Construction: Outer casings of rectangular duct silencers shall be made of 22 gauge galvanized steel in accordance with ASHRAE and SMACNA standards for the pressure and velocity classification specified for the air distribution system in which it is installed. The silencers shall not fail structurally when subjected to a differential air pressure of 8 inches water gauge. Casings shall be lock-formed and sealed to provide leakage-resistant construction. Airtight construction shall be achieved by use of a duct-sealing compound supplied and installed by the contractor at the job site.
 2. Interior Construction: Interior construction for rectangular duct silencers shall be made of not less than 26-gauge galvanized perforated steel. All perforated steel shall be adequately stiffened to insure flatness and form. All spot welds shall be painted.
 3. Sound Absorbing Fill Material: Fill material shall be of inorganic glass fiber of a density sufficient to obtain the specified acoustic performance. Glass fiber shall be packed with a minimum of 15% compression during silencer assembly. Media shall be bacteria and fungus resistant. It shall be resilient such that it will not crumble or break. It shall conform to irregular surfaces. Media shall not cause or accelerate corrosion of aluminum or steel.
 4. Combustion Rating: Filler shall not be less than the following when tested in accordance with ASTM-E-84, NFPA Standard 255 or UL No.723. Flamespread Classification - 15. Smoke Development Rating - 50.

- 2.13 Turning Vanes: Double-blade, galvanized sheet steel.
- A. Acceptable manufacturers are Tuttle & Bailey, Barber-Colman and Aero/Dyne.
 - B. Turning vanes shall be double-walled and formed to assure that any point on one blade is equidistant from the same point on an adjacent blade.
- 2.14 Duct-Mounted Access Doors: Double wall, rectangular, galvanized sheet steel with insulation.
- A. Acceptable manufacturers are Vent fabrics, Inc., C. E. Sparrow Co. and Elmdor MFG.
 - B. Access panels in sheet metal work shall consist of three one-piece stampings: the doorframe, the door itself and the pan. Space between door and pan shall be filled with 1" thick insulation. The door shall be hung with loose pin hinges.
 - C. Access panel sizes shall be as follows unless otherwise specified on drawings:

Size of Duct to be Accessed	Panel Size	Metal Gauges of:		
		Frame	Door	Pan
6" - 8"	6" x 8"	24	26	28
10" - 12"	10" x 12"	22	24	28
12" - 16"	12" x 16"	20	24	28
18" and over	16" x 24"	20	22	28

- D. Access doors shall be fabricated in accordance with the details in the SMACNA Duct Construction Standards. Latches and hinges shall be equal to Ventlok of appropriate type and size.

PART 3 - EXECUTION

- 3.1 Install duct accessories of materials suited to duct materials; use galvanized-steel accessories in galvanized-steel ducts, stainless-steel accessories in stainless-steel ducts, and aluminum accessories in aluminum ducts.
- 3.2 ACCESS DOORS
- A. Provide access doors as specified for inspection and cleaning before and after coils, at fire dampers, at smoke dampers, at volume dampers, and elsewhere as indicated or as required. Review locations prior to fabrication.
 - B. Locate access doors for easy access. Doors should be located above accessible ceilings, whenever possible. Where access is required above gypsum board ceilings, coordinate location of access panel with Contractor. Coordinate location of access doors with other trades such that conduit and pipe does not prevent or interfere with access to ductwork.

3.3 FIRE DAMPERS

- A. Provide fire dampers at locations shown, where ducts and outlets pass through fire rated components where ducts enter and leave all duct shafts serving more than one floor, and where required by authorities having jurisdiction.
- B. Fire dampers shall be complete with required perimeter mounting angles, sleeves, breakaway duct connections, corrosion resistant springs, bearings, bushings, and hinges.
- C. Install fire dampers in accordance with California Mechanical Code 1997 and California form Building Code 1998 requirements, manufacturer's recommendations and State Fire Marshal recommendations.

3.4 FIRE/SMOKE DAMPERS

- A. Install fire/smoke dampers in accordance with California Mechanical Code 1997 and California Building Code 1998 requirements, manufacturer's recommendations and State Fire Marshal recommendations.
- B. Provide a smoke detector up stream of the fire/smoke dampers that will upon detection of smoke close the fire/smoke damper.
- C. Provide control wiring and conduit from smoke detector to fire/smoke damper.

3.5 DUCT SILENCERS

- A. Install where shown on Drawings in accordance with the manufacturer's recommendations to obtain the published acoustical and air flow performance.
- B. Duct silencer acoustical and aerodynamic performance shall be determined in accordance with the latest edition of ASTM Standard E477 Standard Test Method for Measuring Acoustical and Airflow Performance of Duct Liner Materials and Prefabricated Silencers. All tests shall be conducted by a laboratory that is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP) to conduct the test. Where test data is obtained in the manufacturer's laboratory, the facility shall be available for inspection and witnessed testing by the architect, mechanical engineer and acoustical consultant in order to verify compliance with the latest revision of ASTM Standard E477. The architect or project acoustical consultant shall be the final arbiter in determining compliance.
- C. The manufacturer shall supply certified test data for each scheduled silencer. The data shall include dynamic insertion loss, generated noise and pressure drop for forward or reverse flow, matching the project's air distribution system requirement. All ratings shall be conducted in the same facility and shall utilize the same silencer.
- D. Test facilities and test reports shall be open to inspection upon request from the Engineer. Silencer performance must have been substantiated by laboratory testing according to ASTM E477-96 and so certified when submitted for approval. The aero-acoustic laboratory must be NVLAP accredited for the ASTM E477-96 test standard. A copy of the accreditation certificate must be included with the submittals. Data from non-NVLAP accredited test facilities will not be accepted.
- E. Acoustical and Aerodynamic Performance:
 - 1. All silencer ratings shall be determined in a duct-to-reverberant room test facility that provides for airflow in both directions through the test silencer in accordance with the ASTM E-477-96 test standard. The test set-up, procedure and facility shall eliminate all

effects due to flanking, directivity, end reflection, standing waves and reverberation room absorption.

2. Silencer pressure drops shall not exceed those listed in the silencer schedule. Silencer pressure drop measurements shall be made in accordance with the ASTM E-477-96 test standard. Tests shall be conducted and reported on the identical units for which acoustical data is presented.
- F. Sound trap baffles should be oriented so as to be parallel to the plane of the turn if the sound trap is located in a position less than 3 duct diameters in distance from the elbow. The duct diameter shall be based upon the maximum duct cross sectional dimension of the sound trap.
 - G. If the sound trap is located greater than 3 duct diameters away from an elbow, the orientation is not critical.
 - H. With the exception of elbow silencers, locate no rectangular sound attenuators within one duct diameter from elbows, fan suction or discharge openings, takeoffs, etc. unless indicated on the drawings.

END OF SECTION

23 37 00 - AIR OUTLETS AND INLETS

PART 1 - GENERAL

1.1 Section Includes

- A. Diffusers, registers and grilles.

PART 2 - PRODUCTS

2.1 Acceptable manufacturers are Krueger, Titus or Carnes.

2.2 All units must be factory finished. Provide white color finish. Unit ratings shall be approved by ADC.

2.3 Supply Air Distribution - Provide the sizes listed below unless otherwise noted on the drawings.

- A. Supply Diffuser - 24" X 24" Lay in Tee-Bar and Modular Core Type. Exposed blades with 4 modular cores that can be removed and repositioned to provide one-way to four-way blow pattern. Square neck type. Krueger Model Number 1240 Series with frame style 23. Cores shall be put in four-way blow pattern unless otherwise noted. Include square to round transition for duct connection. Standard white color.

CFM	FACE SIZE	NECK SIZE
0 - 100	24" X 24"	6" x 6"
101 - 175	24" X 24"	8" X 8"
176 - 250	24" X 24"	10" X 10"
251 - 400	24" X 24"	12" X 12"
401 - 500	24" X 24"	14" X 14"
501 - 700	24" X 24"	16" X 16"
701 - 850	24" X 24"	18" X 18"

- B. Supply Diffuser - 24" X 24" Surface Mounted and Modular Core Type. Exposed blades with 4 modular cores that can be removed and repositioned to provide one-way to four-way blow pattern. Square neck type. Krueger Model Number 1240 Series with frame style 22. Cores shall be put in four-way blow pattern unless otherwise noted. Include square to round transition for duct connection. Standard white color.

<u>CFM</u>	<u>FACE SIZE</u>	<u>NECK SIZE</u>
0 - 100	11" X 11"	6" x 6"
101 - 175	13" X 13"	8" X 8"
176 - 250	15" X 15"	10" X 10"
251 - 400	17" X 17"	12" X 12"
401 - 500	19" X 19"	14" X 14"
501 - 700	21" X 21"	16" X 16"
701 - 850	23" X 23"	18" X 18"

- C. Supply Grill - Surface Mounted Sidewall Type Diffuser, Krueger Model Number 5880H. Extruded aluminum with double deflection. Include transition from duct size to diffuser size. 2 way blow. Standard white color.

<u>CFM</u>	<u>FACE SIZE</u>	<u>NECK SIZE</u>
0 - 75	11 3/4" X 5 3/4"	10" X 4"
76 - 150	11 3/4" X 7 3/4"	10" X 6"
151 - 175	13 3/4" X 7 3/4"	12" X 6"
176 - 225	15 3/4" X 7 3/4"	14" X 6"
226 - 350	19 3/4" X 9 3/4"	18" X 8"
351 - 600	21 3/4" x 11 3/4"	20" X 10"

- 2.4 Return Air Distribution - Provide the sizes listed below unless otherwise noted on the drawings.

- A. Return Grill - 24" X 24" Perforated lay in Tee-Bar type, Krueger Model Number 6290 with frame style 23. Concealed hinges. Include square to round transition for duct connection. Standard white color.

<u>CFM</u>	<u>FACE SIZE</u>	<u>NECK SIZE</u>
0 - 100	24" X 24"	6" x 6"
101 - 175	24" X 24"	8" X 8"
176 - 250	24" X 24"	12" X 12"
401 - 500	24" X 24"	14" X 14"
501 - 700	24" X 24"	16" X 16"
701 - 850	24" X 24"	18" X 18"

- B. Return Grill - Surface mounted type, Krueger Model Number 6290 with frame style 22. Concealed hinges. Include square to round transition for duct connection. Standard white color.

<u>CFM</u>	<u>FACE SIZE</u>	<u>NECK SIZE</u>
0 - 100	13" X 13"	6 x 6"
101 - 180	15" X 15"	8" X 8"
181 - 225	16" X 16"	9" X 9"
226 - 280	17" X 17"	10" X 10"
281 - 400	19" X 19"	12" X 12"
401 - 600	22" X 22"	15" X 15"
601 - 800	25" X 25"	18" X 18"

- C. Return Grill - Surface Mounted Sidewall Type Return Grill, Krueger Model Number S580H. Extruded aluminum with 3/4" centers. Include transition from duct size to grill size. 35-degree angle blades. Standard white color.

<u>CFM</u>	<u>FACE SIZE</u>	<u>NECK SIZE</u>
0 - 100	11 3/4" X 7 3/4"	10" X 6"
101 - 150	13 3/4" X 7 3/4"	12" X 6"
151 - 200	19 3/4" X 7 3/4"	18" X 6"
201 - 350	19 3/4" X 11 3/4"	18" X 10"
351 - 450	19 3/4" X 13 3/4"	18" X 12"
451 - 600	25 3/4" X 13 3/4"	24" X 12"

- D. Exhaust Grills shall be the same model and size as return grills.

PART 3 - EXECUTION

- 3.1 Air flow tests and sound level measurement shall be made in accordance with applicable ADC equipment test codes and ASHRAE standards. Manufacturer shall certify catalogued performances and ensure correct application of air outlet types.
- 3.2 Positions indicated are approximate only. Check location of supply, return and exhaust grilles and make necessary adjustments in position to conform with architectural features, symmetry and lighting arrangement. See architectural reflected ceiling plans and interior elevations for additional information.

END OF SECTION

23 40 00 - HVAC AIR CLEANING DEVICES

PART 1 - GENERAL

- 1.1 Section Includes
 - A. Air Filters

PART 2 - PRODUCTS

- 2.1 Acceptable manufacturers are Farr Co. or American Air Filter.
- 2.2 Air filters for rooftop HVAC and HV units, fan coils or furnace units shall be equal to Farr 30/30 2" medium efficiency pleated, disposable type filters.
- 2.3 Each filter shall consist of a non-woven cotton fabric media support grid and enclosing frame. Provide Farr Holding Frames factory fabricated of 16 gauge galvanized steel and be equipped with gaskets and four heavy-duty positive sealing fasteners. Each fastener shall be capable of withstanding 25 lbs. pressure without deflection. They shall be capable of being attached or removed without the use of tools. Filters shall be capable of being installed or removed without any movement of equipment or duct work.
- 2.4 Filters shall have a composite fire hazard rating as tested by ASTM E-84, NFPA 255, or UL 723 not to exceed 25 flame spread and 50 smoke developed. Materials labeled accordingly.
- 2.5 Air Filters shall be a California State Fire Marshal approved and listed type. Preformed filters having combustible framing shall be tested as a complete assembly. Air filters in all occupancies shall be Class 2 or better (as shown in the State Fire Marshal Listing). Air filters shall be accessible for cleaning or replacement.
- 2.6 Filters shall conform to ASHRAE 90A-1980 and NFPA 90.

PART 3 - EXECUTION

- 3.1 Provide two sets of air filters for each HVAC, HV and fan coil unit.
 - A. The first set of air filters shall be installed during construction and used during the air balance portion of the project.
 - B. The second set of air filters shall be installed after the air balance portion of the project is finished and prior to the mechanical final punch list site visit.

END OF SECTION

23 80 00 - DECENTRALIZED HVAC EQUIPMENT

PART 1 - GENERAL

1.1 Section Includes

- A. Rooftop package units
- B. Fan coil units
- C. Condensing units
- D. Exhaust Fans

1.2 Related sections:

- A. All units that provide heat and/or air conditioning shall be equipped for and shall interface with DDC (Direct Digital Controls) controls systems. See 23 09 23 - DIRECT-DIGITAL CONTROL SYSTEMS FOR HVAC.

PART 2 - PRODUCTS

2.1 ROOFTOP PACKAGE UNITS

- A. Acceptable manufacturers for HVAC units are Carrier or Trane.
- B. Acceptable manufacturers for heat and ventilation units are Reznor or Sterling.
- C. Provide full perimeter spring vibration isolation rails or neoprene pads for rooftop package HVAC and Heat and Vent equipment as called for on the mechanical schedule (3-ton and smaller units do not need vibration isolation rails). Provide seismic motion restraints as required by California Mechanical and Building Codes.
- D. Provide a minimum of 16-gauge custom pitched roof curb for each rooftop unit. The roof curb shall be a single type pitched curb with the slope of the roof curb field measured. The roof curb shall be supported by roof structural support members. Align the roof curb with these support members. The roof curb shall provide a level surface for the installation of the rooftop unit.
- E. The casing shall be constructed of coated steel meeting SMACNA or ASHRAE Standards. Internal insulation shall meet the requirements of NFPA Bulletin 90-A and UL 181.

2.2 FAN COIL UNITS

- A. Acceptable manufacturers are Carrier or Trane.
- B. Provide factory assembled and tested fan coil unit of draw-through blow-through design with insulated casing, blower, motor, coils, drain pan and accessories indicated. Drain pan shall extend below valves and fittings at coil connections.
- C. Casing shall be 16-gauge galvanized steel with 1" insulation, supply and return collars, and access panels as indicated.

- D. Coils shall be copper tubing mechanically expanded in aluminum fins, manual air vent and insulated condensate drain pan under coil and headers. ARI rated capacities.
- E. Blower shall be belt drive.
- F. Motor shall be permanent split capacitor, resilient mounts, with oilers and internal thermal protection. Provide adjustable motor sheave on belt drive units to permit a minimum of 10% field adjustment or fan speed.
- G. Units shall be suspended and provided with neoprene rubber-in-shear vibration isolators and hanger units. Provide seismic motion restraints as required by California Mechanical and Building Codes. This isolation equipment is for the avoidance of excessive noise or vibration in the building due to the operation of equipment, and due to interconnected piping, ductwork and conduit.
- H. Hanger assembly shall accommodate 3/8" maximum diameter threaded hanger rod for units up to 450 lbs. operating weight and 1/2" diameter threaded hanger for the units 450 to 1000 lbs. The required hanger rods shall be furnished by the installer. Hanger brackets shall be mechanically secured to the fan coil unit. All hanger rods shall have double nuts.

2.3 CONDENSING UNITS

- A. Acceptable manufacturer is Carrier or Trane.
- B. Provide 1" thick neoprene pads for the isolation of mechanical equipment. This isolation equipment is for the avoidance of excessive noise or vibration in the building due to the operation of equipment.
- C. Provide seismic motion restraints as required by California Mechanical and Building Codes.

2.4 EXHAUST FANS

- A. Acceptable manufacturers are Greenheck, Cook or Penn. Exhaust fans shall meet AMCA standards.
- B. Provide a custom pitched roof curb for all roof mounted exhaust fans. The roof curb shall be a single type pitched curb with the slope of the roof curb field measured. The roof curb shall be supported by roof structural support members. Align the roof curb with these support members. The roof curb shall provide a level surface for the installation of the roof mounted exhaust fans. Roof mounted exhaust fans and motors shall be designed for outdoor duty.
- C. Provide neoprene rubber-in-shear vibration isolators for all ceiling hung and attic suspended units. Provide seismic motion restraints as required by California Mechanical and Building Codes. This isolation equipment is for the avoidance of excessive noise or vibration in the building due to the operation of equipment, and due to interconnected ductwork and conduit.
- D. Provide and flex connections on exhaust inlet and outlet for the isolation of exhaust fans. These flex connections are for the avoidance of excessive noise or vibration in the building due to the operation of equipment.
- E. The casing shall be constructed of coated steel meeting SMACNA and ASHRAE Standards.

PART 3 - EXECUTION

3.1 HVAC UNITS, HEAT AND VENT UNITS AND EXHAUST FANS

- A. Install equipment in accordance with manufacturer's recommendations, good industry standards and SMACNA Installation Standards for Heating, Air Conditioning and Solar systems.
- B. Provide high-pressure air seal around ducts and units.
- C. Coordinate with other work, including ductwork, floor construction, and electrical work as necessary to interface installation of air handling equipment with other work.
- D. Ensure equipment is wired properly, with rotation in direction indicated and intended for proper performance. If there is no rotation arrow supplied by the manufacturer, install a correct rotation arrow.
- E. Inlet and outlet connections to all equipment shall be made with neoprene coated glass fabric flexible connection not less than four inches full length with one-inch slack. Weather exposed connections shall be same as above except to be hypalon coated in lieu of neoprene.

3.2 ROOFTOP PACKAGE UNITS

- A. The unit manufacturer shall furnish, when requested, certified sound power levels for both discharge sound and casing radiated sound, tested in accordance with ASHRAE Standard 36-72.
- B. Arrangement and configuration as indicated on drawings and as described on the equipment schedule. Condensing section shall be designed for outdoor duty. Performance shall be certified in accordance with Air Conditioning and Refrigeration institute (ARI) Standard for rooftop HVAC units. Fans to be rated by AMCA.
- C. Provide and flex connections on supply and return duct plenums for the isolation of mechanical equipment. These flex connections are for the avoidance of excessive noise or vibration in the building due to the operation of equipment.

3.3 FAN COIL UNITS

- A. Provide and flex connections on supply and return duct plenums for the isolation of mechanical equipment. These flex connections are for the avoidance of excessive noise or vibration in the building due to the operation of equipment.

3.4 CONDENSING UNITS

- A. Arrangement and configuration as indicated on drawings and as described on the equipment schedule. Condensing units shall be weatherized for outdoor duty. Condensing unit performance shall be certified in accordance with Air Conditioning and Refrigeration institute (ARI) Standards.

3.5 EXHAUST FANS

- A. The exhaust fan's manufacturer shall furnish, when requested, certified sound power levels for both discharge sound and casing radiated sound, tested in accordance with ASHRAE Standard 36-72.
- B. Arrangement and configuration as indicated on drawings and as described on the equipment schedule. Performance shall be certified in accordance with Air Conditioning and Refrigeration Institute (ARI) Standard for rooftop HVAC units. Fans to be rated by AMCA.

END OF SECTION

DIVISION 26 – ELECTRICAL

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements

26 05 00 – GENERAL ELECTRICAL REQUIREMENTS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. This specification shall apply to all phases of Work hereinafter specified, shown on Drawings, or as required to provide a complete installation of electrical systems for this Project. Work required under this specification, is not limited to just the Electrical Drawings - refer to Architectural, Structural, Landscape, and Mechanical / Plumbing Drawings, as well as all other drawings applicable to this project, which designate the scope of work to be accomplished. The intent of the Drawings and Specifications is to provide a complete and operable electrical system that includes all documents that are a part of the Contract.
 - 1. Work Included. Furnish labor, material, services and skilled supervision necessary for the construction, erection, installation, connections, testing, and adjustment of all circuits and electrical equipment specified herein, or shown or noted on Drawings, and its delivery to the Owner complete in all respects ready for use.
 - 2. The electrical Work includes installation or connection of certain materials and equipment furnished by others. Verify installation details, installation and rough-in locations from the actual equipment or from the equipment shop drawings.
- B. Electrical Drawings. Electrical Drawings are diagrammatic, and are intended to convey the scope of work, indicating intended general arrangement of equipment, conduit and outlets. Follow Drawings in laying out Work and verify spaces for installation of materials and equipment based on actual dimensions of equipment furnished.

PART 2 - PRODUCTS

2.1 General

- A. Materials and Equipment: All electrical materials and equipment shall be new and shall be listed by Underwriter's Laboratories and bear their label, or listed and certified by a nationally recognized testing authority where UL does not have an approval. Custom made equipment must have complete test data submitted by the manufacturer attesting to its safety.

2.2 Switchboards / Distribution Boards:

- A. Provide switchboard with rating, components and features as indicated on the Drawings. All sections shall be constructed of code gauge sheet metal. See drawings for more information. Switchboard and switchboard components shall be as manufactured by Square D or approved equal Cutler Hammer or Siemens.
- B. Busbars shall be rectangular cross-section with silver-plated joints, full-height in each vertical section with horizontal cross busbars between sections. Bus bracing shall not be less than short-circuit indicated on the Drawings or utility requirements. Provide all lugs suitable for copper conductors. Neutral busbar shall be 100% rated unless otherwise noted on drawings and shall have terminals for all active, spare, or inactive circuits. Ground busbar shall be full length with provisions for future length extension.

2.3 Panelboards - Branch Circuit:

- A. Branch circuit panelboards shall be of the dead front safety type equipped with thermal-magnetic bolt-on type 40 deg C. circuit breakers. Panels shall be minimum 20" wide and 5-3/4" deep unless otherwise noted on plan. All branch circuit panelboards shall be 42 circuit bus provided with main circuit breaker and branch circuit breakers of the rating indicated on the panel schedule. See panel schedules and panel schedule notes on drawings for additional requirements.
- B. Trims shall have doors equipped with flush type combination lock and catch, two milled type keys supplied with each panel. All locks shall be keyed alike and each door shall have a plastic covered directory frame with a typed identification card of all circuit and panel numbers for branch circuit panelboards.
- C. Neutral and Ground bus bars shall be full size, and rectangular in cross section.

2.4 Transformers:

- A. See drawings for transformer schedule and additional specifications. Transformers shall be self-cooled type with Class H insulation and a temperature rise of 115°C in 40°C ambient under continuous full load conditions, kilovolt ampere ratings shall be as shown on the Drawings. Design, construction, and operational characteristics shall be in accordance with ASA, AIEE, and NEMA standards. All insulating materials shall be in accordance with NEMA ST20-1972 Standards for a 220°C, UL component recognized insulation system. Windings shall be of the fire-resistant type, designed for natural convection cooling through air circulation. Coils with exposed wire shall not be accepted. Core mounting frame and enclosures shall be of the welded and bolted construction, seismic rated, with sufficient mechanical rigidity and strengths to withstand shipping, erection and short circuit stresses. Enclosure shall be suitable for outdoor installation and shall have suitable ventilating openings with rodent-proof screens. Transformers shall be furnished complete with mounting channel and mounting bolts. Enclosures shall be provided with lifting lugs and jacking plates as required. Noise level shall be guaranteed by the manufacturer not to exceed 45 decibels for transformers up to and including 50 KVA, 50 decibels up to and including 112-1/2KVA, 55 decibels up to and including 300KVA as measured by NEMA Standards.
- B. Each Transformer Must Receive the Following Commercial Tests: Ratio, Polarity, Exciting Current, No-Load Loss, Resistance, Copper Loss, Impedance, Induced and Applied Potential Test. Approval shall be granted unless certified test reports covering commercial tests are made available for each unit with shop drawing submittal.
- C. Each transformer shall be furnished with a manufacturer's nameplate located on the front of the unit. The nameplate shall be anodized aluminum with the following information etched or stenciled on the face: Voltage, KVA Rating; Phase; dB Rating; tap adjustments and wiring diagrams.

2.5 Lighting Fixtures: See Section 26 51 00 Lighting Fixtures.

2.6 Wiring Devices:

- A. Provide wiring devices indicated per plan. Devices shall be specification grade. Acceptable manufactures are Leviton, Pass & Seymour and Hubbell. Provide all similar devices of same manufacturer, unless indicated otherwise. Final color selection subject to change by architect during submittal review process.

Wiring Devices (Decora)

- | | |
|-------------------------------|---------------------|
| 1. Convenience Receptacle | #16252- WHITE |
| 2. Dedicated Receptacle | #16352- WHITE |
| 3. Isolated Ground Receptacle | #16262-IG- WHITE |
| 4. G.F.C.I. Receptacle | #6599- WHITE |
| 5. Single Pole Switch | #5691-2- WHITE |
| 6. Double Pole Switch | #5692-2- WHITE |
| 7. Three Way Switch | #5623-2- WHITE |
| 8. Four Way Switch | #5624-2- WHITE |
| 9. Pilot Light Switch "On" | #5628-2- WHITE |
| 10. Pilot Light Switch "Off" | #5631-2- WHITE |
| 11. Projection Screen Switch | #5657-2- WHITE |
| 12. Keyed Switch | #1221-2KL-STAINLESS |

- B. Receptacles on generator and/or UPS power shall be red.
- C. I.G. receptacle bodies shall be of a basic color specified above with an orange triangle to symbolize isolated ground.
- D. Receptacles located in wood finished areas shall generally be black unless otherwise indicated by the architect. The contractor shall obtain written approval of the architect regarding final receptacle color selection prior to ordering receptacles.
- E. Plate colors shall match device.
- F. The following device plates shall be engraved: key operated switches, switches with Pilot Lights and Switches for the control of motors, heaters and ventilators.
- G. Weatherproof Outlet Covers/Assemblies. All Receptacles identified as weatherproof on the drawings shall be GFCI type and equipped as follows:
 - 1. Subscript WP-A: Recessed wall box, 6" x 6"x 3-1/2" deep, with a hinged, lockable, cast aluminum, self-closing, gasket-equipped door. C.W. Cole TL-310 Series with an interior metal plate suitable for a GFCI receptacle in one compartment separated from a second compartment with a metal separation barrier. The second compartment shall have a blank metal plate suitable for field installation of power, AV or communications devices. This compartment shall have a minimum 3/4" C.O. with pull string routed from the box to the facility telephone backboard unless otherwise note on the drawings. Provide 1 key minimum per device to the Owner's project manager upon completion of project.
 - 2. Subscript WP-B: Raintight while "in use", one gang GFCI receptacle, key and lockable cover. Taymac 20310 series. Unit shall comply with NEC/CEC article 410-57(b).
 - 3. Subscript WP-C: Weatherproof cover for use with portable tools or equipment, complying with CEC article 410-57(b). Leviton 6196-V or equal by Hubbell.
 - 4. Subscript WP- D: BK Lighting Square Star Style "path Star" with hinged weatherproof cover housing a G.F.C.I. receptacle. Color by Architect. Mount housing to BK Lighting "power pipe" underground junction box. See drawings for additional details.

2.7 Motor Controllers / Starters: See drawings for specifications.

2.8 Circuit Breakers:

- A. Provide molded plastic case, air circuit breakers conforming to UL 489. Provide breakers with thermal magnetic trip units, and a common trip bar for two- or three-pole breakers, connected internally to each pole so tripping of one pole will automatically trip all poles of each breaker. Provide breakers of trip-free and trip-indicating bolt-on type, with quick-make, quick-break contacts. Provide single two- or three-pole breaker interchangeability. Provide padlocking device for circuit breakers as shown on the Drawings.
- B. Ground Fault Interrupting Breakers. Provide where shown molded plastic case, air circuit breakers, similar to above with ground fault circuit interrupt capability, conforming to UL Class A, Group 1.
- C. Tandem or half-sized circuit breakers are not permitted.
- D. Series Rated Breakers. UL listed series rated combinations of breakers can be used to obtain panelboard interrupting ratings listed below or shown on Drawings. If series rated breakers are used, panelboards shall be appropriately labeled to indicate the use of series rated breakers. Shop drawing submittal shall include chart of U.L. listed devices which coordinate to provide series rating.
- E. Circuit breakers shall be standard interrupting construction. Panelboard shall accept standard circuit breakers up to 225 amperes. Provide HACR ratings for all circuit breakers serving motor loads.
- F. Circuit breaker handle accessories shall provide provisions for locking handle in the on or off position.
- G. Breakers 100 AMP through 400 AMP frame shall be thermal-magnetic trip with inverse time current characteristics and ground fault protection as indicated on the Drawings. Breakers 225 AMP through 400 AMP shall have continuously adjustable magnetic pick-ups of approximately 5 to 10 times trip rating.
- H. Breakers 400 AMP frame and above shall be 100% rated and have solid-state trip unit with minimum seven function complete with built-in current transformers. Breakers shall have easily changed trip rating plugs with trip ratings as indicated on the Drawings. Rating plugs shall be interlocked so they are not interchangeable between frames and interlocked such that breaker cannot be latched with rating plug removed. Breaker shall have built-in test points for testing long delay and instantaneous, and ground fault (where shown) functions of the breaker by means of a 120-volt operated test kit. Provide one test kit capable of testing all breakers 400 AMP and above. Solid-state trip shall be with long time rating, long and short time delay, independently adjustable long and short time pick-up, and adjustable instantaneous pick-up.
- I. Where indicated circuit breakers shall be current limiting and consist of a thermal magnetic circuit breaker and an independently operating limiter section within a molded case. Coordinate current limiting circuit breakers (CLCB) ratings as required to protect electrical system components on the load side of the CLCB to include, but not limited to, protecting automatic transfer switches, panel boards and lighting control panels.

2.9 Disconnect Switches:

- A. Non-fusible or fusible, externally operated horsepower-rated, 600V A.C. Provide NEMA 3R, lockable enclosures for all switches located on roof tops, in wet or damp areas and in any area exposed to the elements.
- B. Fusible switches shall be Class "R".
- C. Amperage, Horsepower, Voltage and number of pole per drawings. All of which shall be clearly marked on the switch nameplate.
- D. Provide the Owner's project manager with one spare set of fuses and two sets of fuse clips/fuse for every set of fuses on the project.

2.10 Fuses:

- A. Provide fuses at all locations shown on the Drawings and as required for supplemental protection.
 - 1. Fuses manufactured by Bussman Manufacturing Division, McGraw-Edison Company are specified herein to establish minimum general requirements.
 - 2. All fuses shall be the product of a single manufacturer.
- B. Main and Feeder Protection.
 - 1. Where rating of protective device is greater than 600A, provide Bussman Hi-Cap fuses, Class L, current limiting, having an interrupting rating of 200,000A RMS.
 - 2. Where rating of protective device is 600A or less, provide Bussman Class R fuses, Class RKI current limiting fuses, having an interrupting rating of 200,000A RMS.
- C. Motor Protection.
 - 1. Class RKI Dual-element, current limiting fuses having an interrupting rating of 200,000A RMS.
 - 2. Where rating of protective device is 600A or less, provide Bussman Fusetron Dual-Element fuses, Class RK5, having an interrupting rating of 200,000A RMS.
 - 3. Where fuses feeding motors are indicated but not sized, it shall be the responsibility of the Contractor to coordinate the fuse size with the motor to provide proper motor running protection.
 - 4. When rejection type fuses are specified (Class RK1 or RK5) the fuse holder of all switches (specified in other Sections) shall be suitable for the fuses provided.

2.11 Cable Tray: See drawings for specifications.

2.12 Power Distribution Units (PDU): See drawings for specifications.

2.13 Generator Systems: See drawings for specifications.

2.14 Transfer Switches: See drawings for specifications.

2.15 Lighting Control Systems: See drawings for specifications.

2.16 Dimming Systems: See drawings for specifications.

2.17 Fire Alarm System: See drawings for specifications.

2.18 Conduit:

- A. Galvanized Rigid Conduit (GRC) shall be full weight threaded type steel. Steel conduit shall be protected by overall zinc coating to inside and outside surfaces, applied by the hot dip, metallizing, or sherardizing process.
- B. Intermediate Metal Conduit (IMC), shall be hot-dipped galvanized in accordance with UL 1242 and meeting Federal Specification WWC-581 (latest revision).
- C. Electrical Metallic Tubing (EMT) shall be zinc-coated steel with baked enamel or plastic finish on inside surfaces. EMT shall be dipped in a chromic acid bath to chemically form a corrosion-resistant protective coating of zinc chromate over galvanized surface.
- D. Flexible metal conduit shall be constructed of aluminum or hot-dipped galvanized steel strips wound spirally with interlocking edges to provide greatest flexibility with maximum strength. Interior surfaces shall be smooth and offer minimum drag to pulling in conductors. Used only as directed by the Engineer.
- E. Liquid-tight conduit (Seal-Tite) shall be galvanized steel flexible conduit as above except with moisture and oil-proof jacket, pre-cut lengths and factory-installed fittings. For outdoor installations and motor connection.
- F. Metal Clad (MC) Cable shall be used.
- G. Nonmetallic Flexible Tubing (ENT) shall not be used.
- H. Non-Metallic Conduit:
 - 1. Polyvinyl chloride (PVC) rigid conduit, Schedule 40, Type II for underground installation only with solvent welded joints, conforming to Underwriters Laboratories, Inc. (U.L.) requirements, listed for exposed and direct burial application.
 - 2. Conduit and fittings shall be produced by the same manufacturer.

2.19 Fittings:

- A. Condulet type fittings shall be smooth inside and out, taper threaded with integral insulating bushing and of the shapes, sizes and types required to facilitate installation or removal of wires and cables from the conduit and tubing system. These fitting shall be of metal, smooth inside and out, thoroughly galvanized, and sherardized cadmium plated.
- B. Metallic condulet covers shall have the same finish as the fitting and shall be provided for the opening of each fitting where conductors do not pass through the cover.
- C. Connector, coupling, locknut, bushings and caps used with rigid conduit shall be steel, threaded and thoroughly galvanized. Bushings shall be insulated.
- D. EMT fittings, connectors and couplings, shall be steel, zinc or cadmium plated, raintight, threadless, compression or tap-on multiple point, steel locking ring type with insulated throat.
- E. Flexible steel conduit connectors shall be or malleable iron clamp or squeeze type or steel twist-in type with insulated throat. The finish shall be zinc or cadmium plating.

- F. Die cast, set screw or indenter type fittings are not acceptable.
 - G. Conduit unions shall be "Erickson" couplings, or approved equal. The use of running threads will not be permitted.
- 2.20 600 Volt Conductors - Wire and Cable:
- A. All conductors shall be copper.
 - B. Type THHN/THWN thermoplastic, 600 volt, UL approved, dry and wet locations, for conductor sizes up to and including #4 AWG.
 - C. Type XHHW cross-linked synthetic polymer, 600 volt, UL approved, for dry and wet locations, for conductor sizes #2 AWG and above.
 - D. Cross-linked synthetic polymer, XHHW, 600 volts, UL approved, for installation underground, in concrete or masonry.
 - E. Wire and cable shall be new, manufactured not more than six (6) months prior to installation, shall have size, type of insulation, voltage rating and manufacturer's name permanently marked on outer covering at regular intervals.
 - F. Wire and cable shall be factory color-coded by integral pigmentation with a separate color for each phase and neutral. Each system shall be color-coded and it shall be maintained throughout.
 - G. Systems Conductor Color Coding:
 - 1. Power 208/120V, 3PH, 4W:
 - a. Phase A = Black
 - b. Phase B = Red
 - c. Phase C = Blue
 - d. Neutral = White
 - 2. Power 480/277V, 3PH, 4W:
 - a. Phase A = Brown
 - b. Phase B = Orange
 - c. Phase C = Yellow
 - d. Neutral = White
 - 3. Grounding Conductors: Green
 - 4. Fire Alarm System: As recommended by the manufacturer.
 - H. All color-coding for #8 conductors and above shall be as identified above, utilizing phase tape at each termination.
 - I. No conductors carrying 120 volt or more shall be smaller than #12 AWG.
 - J. Aluminum conductor shall not be used.
 - K. Wire-pulling compounds used as lubricants in installing conductors in raceways shall only be "Polywater J". No oil, grease, graphite, or similar substances may be used. Pulling of No.

1/0 or larger conductors shall be done with an approved cable pull machine. Other methods; e.g. using vehicles, and block and tackle to install conductors are not acceptable.

2.21 Junction and Pullboxes:

- A. For interior dry locations, boxes shall be galvanized one-piece drawn steel, knockout type, with removable, machine screw secured covers.
- B. For outside, damp or surface locations, boxes shall be heavy cast aluminum or cast iron with removable, gasketed, non-ferrous machine screw secured covers.
- C. All boxes shall be sized for the number and sizes of conductors and conduits entering the box and equipped with plaster rings where required. Each conductor shall be terminated at an insulated, barriered terminal connector and completely identified with an engraved fiber identification marker, Electrovert or Underwriter's Safety Device Company.

2.22 Outlet Boxes:

- A. For fixtures, boxes shall be galvanized, one-piece drawn steel, knockout type equipped with 3/8" fixture studs and plaster rings where required.
- B. For convenience outlets, wall switches, or other devices, outlet boxes shall be galvanized one-piece drawn steel, knockout type 4" x 4"x 1-1/2" minimum size with plaster rings as required.
- C. For locations where standard boxes are not suitable due to number and size of conduit to be terminated, special boxes shall be designed to fit space or meet other requirements and submitted for approval.
- D. For exposure to weather, damp locations, or surface mounting, outlet boxes shall be heavy cast aluminum or cast iron with threaded hubs; covers shall be watertight with gaskets and non-ferrous screws.
- E. See drawings for floor box installation notes and specifications on drawings.

2.23 Plywood Backboards:

- A. Where indicated for telephone or communications system terminals or other equipment assemblies, provide backboards of size indicated. Use Douglas Fir Plywood, fire rated, exterior grade, finished one side and prime coat painted on all surfaces with finish coat of gray enamel leaving 1 fire-rating stamp/sheet exposed for inspection. Unless otherwise indicated, use 3/4" thick plywood.

2.24 Terminal Cabinets:

- A. Terminal cabinets shall be fabricated of hot dipped galvanized code gauge sheet metal for flush or surface mounting, complete with barriered sections, a door for each vertically barriered section and sizes as indicated on plan. Doors shall be hinged and lockable. Locks shall be keyed to match the branch circuit panelboards. Terminal cabinet trims shall match the branch circuit panels.
- B. Provide each terminal cabinet with a full size plywood backboard and terminal blocks (minimum 25% or 12 spare terminal blocks). All wires terminating on the terminal blocks shall be identified with an engraved fiber tag.

- C. Terminal cabinets shall be installed complete with full-length skirts of the same construction and finish as the terminal cabinet.
 - D. Where mounted outdoors, terminal cabinets shall be NEMA 3R, weatherproof complete with gaskets and required sealant to prevent moisture from entering the terminal cabinet.
- 2.25 Painting:
- A. Terminal cabinets, panels, junction boxes, pull boxes, etc., and conduit installed outdoors and in public view shall be painted with colors selected by the Architect to match the subject exterior surface. Refer to painting section of the specifications for additional requirements.
- 2.26 Seismic Design and Anchoring of Electrical Equipment:
- A. Seismic Protection Criteria: All Electrical and Mechanical machinery installations provided, as part of this contract located in any Seismic Risk Zone of the Uniform Building Code Seismic Risk Map shall be protected from earthquakes in accordance with the Uniform Building Code and, as applicable, the state and local building codes and regulations. Protection criteria for these zones shall be a Horizontal Force Factor as prescribed by the CBC multiplied by the machinery weight considered passing through the machinery center of gravity in any horizontal direction. Unless vibration isolation is required to protect machinery against unacceptable structure transmitted noise and/or vibration, machinery shall be protected from earthquakes by rigid structurally sound attachment to the load supporting structure. The force factor and anchorage shall be determined by calculations performed and submitted to the Architect by a registered California professional engineer (civil or structural) hired by the contractor. The Contractor shall be responsible for the design of seismic restraint systems for all pieces of equipment weighing over 100 pounds including but not limited to the following:
 - 1. Switchgear
 - 2. Conduits/Conduit support trapezes
 - 3. Transformers
 - 4. Panels
 - 5. Light Fixtures
 - 6. UPS, PDU and Generator Equipment
 - 7. Cable Tray and Bus Duct
 - B. Seismic protection, labor, materials and design shall be included in the Contract sum.
- 2.27 Trenching and Backfilling: Contractor shall be responsible for trenching and backfilling. Refer to Trenching and Backfilling section of the specifications for complete requirements.
- 2.28 Portable Assistive Listening System: A complete Williams PPA-VPE with 014 microphone shall be furnished to meet the ADA requirements for hard-of-hearing at Drama Classroom 252. Furnish R7 receivers in numbers equal to 4% of the seating or a minimum of four. The system shall be integrated into the any existing sound reinforcement system. The transmitter shall be portable with built-in antenna that can be adjusted as required for total coverage of seating area.

PART 3 - EXECUTION

3.1 Installation of Conduit and Outlet Boxes:

- A. All conduit except as hereinafter specified, installed in concrete or masonry, or damp or hazardous location, or subject to mechanical injury shall be heavy wall, threaded, galvanized rigid steel conduit (GRC).
- B. Exposed conduit not subject to abuse or damage and conduit installed in concrete and masonry shall be galvanized rigid steel conduit (GRC), or intermediate metal conduit (IMC).
- C. Rigid conduit or PVC conduit may be installed under floor slabs, under concrete sidewalls and as noted on the Drawings. Rigid conduit installed under slabs shall be 1" trade size minimum and shall be wrapped with 20 mil. polyvinyl chloride plastic tape. PVC conduit shall be minimum 1" diameter.
- D. Flexible steel conduit shall only be permitted to be used at light fixture outlets and connections to vibrating electrical equipment. All flexible steel conduit runs shall be less than 6'-0". All outdoor installation shall be made using liquid-tight flex with approved fittings. Include a separate insulated green ground conductor sized per NEC in each conduit. Other uses of flexible conduit shall be as approved by the Engineer.
- E. Flexible liquidtight conduit shall be installed in lieu of the flexible steel; where required by the, NEC, in damp and wet location, where exposed to weather, in refrigerated area (65°F or less), and/or between seismic joints. All rotating electrical equipment shall be supplied with flexible, liquid-tight conduit with appropriate slack and shall not exceed thirty-six (36) inches. Include a separate insulated green ground conductor sized per NEC in each conduit. Other uses of liquidtight flexible conduit shall be as approved by the Engineer.
- F. Intermediate metal conduit (IMC), is approved for use in all locations as approved for GRC or EMT and in accordance with Article 345 of NEC and UL Information card #DYBY.
- G. All conduit installed in the dry walls or ceilings of the building shall be steel tube (EMT), Galvanized Rigid Steel (GRC), or Intermediate Metal Conduit (IMC). Flexible conduit shall not be used in lieu of EMT, IMC or rigid conduit except as noted herein.
- H. Conduit shall be run so as not to interfere with other piping fixtures or equipment.
- I. The ends of all conduit shall be cut square, carefully reamed out to full size and shall be shouldered in fitting.
- J. No running threads will be permitted in locations exposed to the weather, in concrete or underground. Special union fittings shall be used in these locations.
- K. Underground conduit shall be, unless otherwise indicated, Schedule 40 PVC (polyvinyl chloride) complete with a minimum three (3")-inch, (2,000 LB) concrete envelope, (2")-inch minimum separation between conduits, installed at depth of not less than 24" below grade. Conduit separation shall be maintained using plastic spacers located at 10'-0" intervals. Where power and communication/signal conduits are run in a common trench a (12")-inch minimum separation shall be maintained between power and communication/signal conduits. Where underground conduit passes under a building slab, concrete encasement may not be required, contact the Engineer for direction. Include a separate insulated green ground conductor sized per NEC in each conduit.
- L. All underground or imbedded conduits shall be 3/4" minimum trade size for steel and for PVC.

- M. Where underground conduit runs stub-up, conduit shall transition to GRC underground. The contractor shall use GRC elbows and GRC risers wrapped in 20 mil. PVC tape for stub-ups.
- N. PVC conduit shall not be run in walls.
- O. Where underground conduit runs penetrate floor slab, conduit shall terminate flush with the floor slab using a flush coupling. Exception: communications conduits stubbed through the slab shall be terminated 4" above the finished floor and be equipped with a removable conduit plug and pull rope. Tie off pull rope to conduit plug. Plug by Jackmoon or Equal.
- P. Where conductors enter a raceway in a cabinet, pull box, junction box, or auxiliary gutter, the conductors shall be protected by a plastic bushing type fitting providing a smoothly rounded insulating surface.
- Q. Where conduit extends through roof to equipment on roof area, this Contractor shall provide 24 gauge galvanized sheet metal flashing cones with 4" flanges on roof surface. This flashing shall be delivered to the roofing contractor for installation. The actual location of all such roof penetrations and outlet shall be verified by the Contractor.
- R. All conduit underground, in masonry and concrete and where concealed under floor slabs shall have joints painted with thread compound prior to makeup.
- S. All conduit shall be supported at intervals not less than 6'-0" and within 12" from any outlet and at each side of bends and elbows. Conduit supports shall be galvanized, heavy stamped, two-hole conduit clamp properly secured.
- T. Where conduit racks are used the rack shall consist of two piece conduit clamps attached to galvanized steel slotted channels, properly secured via threaded rods attached directly to the building structure.
- U. Nail-in conduit supports will not be allowed. One-piece setscrew type conduit clamps or perforated iron for supporting conduit will not be permitted.
- V. Seismic Conduit Support:
 - 1. All conduit shall be supported in such a manner that it is securely attached to the structure of the building. Attachment is to be capable of supporting the tributary weight of conduit and contents in any direction. Maximum spacing of support and braces are to be as follows:

<u>CONDUIT SIZE</u>	<u>MAXIMUM SPACING</u>
1/2" to 3"	6'-0"
3-1/2" to 4"	8'-0"

- W. All conduit runs shall be installed parallel or perpendicular to walls, structural members, or intersection of vertical planes and ceilings. Field made bends and offset shall be avoided where possible. Crushed or deformed raceway shall not be installed.
- X. Open knockouts in outlet boxes only where required for inserting conduit.
- Y. Locate wall outlet of the same type at same level in all rooms, except where otherwise noted.
- Z. Outlet boxes on metal studs shall be attached to metal hangers, or bolted to studs; on wood studs attachment shall be with wood screws, nails not acceptable.

- AA. Recess boxes shall not be mounted back-to-back in any wall; minimum offset shall be 24 inches.
- BB. Junction Boxes that do not contain any device(s) shall be located in storage rooms, electrical closets, or above accessible ceilings, not in hard lid ceilings or other forms of inaccessible ceilings. Place boxes which must be exposed to public view in a location approved by the Owner's Project Manager. Provide covers or plates to match adjacent surfaces as approved by the Owner's Project manager.
- CC. Surface mounted panels secured to stud walls shall be secured to wall using 1/2" x 3" screws into steel backing plate as detailed by the Architect.
- DD. Sleeves shall be installed where conduit passes through masonry or concrete walls and shall be 24 gauge galvanized steel no more than 1/2" greater in diameter than the outside diameter of the conduit. When located in non-rated structures, caulk conduit sleeve with stone wool and waterproof below grade. When located in fire rated structures, provide U.L. listed fire stopping system as required.
- EE. All boxes shall be covered with outlet box protector, Appleton SB-CK. Keep dirt from entering box or panels. If dirt does get in, it shall be removed prior to pulling wires.
- FF. All boxes installed outdoors shall be suitable for outdoor installations, gasketed, screw cover and painted as directed by the Architect with weatherproof paint to match building.
- GG. All conduit entries to outdoor mounted panels, cabinets, boxes, etc., shall be made using Myers "SCRU-TITE" hubs Series ST.
- HH. All spare conduits shall have a 200 LB test polypropylene pull line left in place for future use in all runs tagged with a plastic tag at terminating end indicating the location of the opposite end of the conduit.
- II. Where conduit is underground, under slabs or grade, exposed to the weather, or in wet locations, make joints liquid tight and gas tight.
- JJ. All multiple conduit runs within suspended ceilings shall be suspended from building structure by means of unistrut hangers/racks, Conduit shall not be allowed to lay on ceiling or be supported from ceiling suspension wires or other suspension system. Support conduit to structure above suspended ceilings 8" minimum above ceiling to allow removal of ceiling tile. Maintain two-inch clearance above recessed light fixtures
- KK. All exposed conduits shall be painted to match the finish of the wall or ceiling to which it is supported.
- LL. Where conduits or wireways cross expansion joint, provide approved expansion or deflection fittings, or combinations of fittings, which allow deflection in all directions. For seismic joints provide liquidtight flex.
- MM. Seal all conduits where termination is subject to moisture or where conduit penetrates exterior wall, floor or roof, in refrigerated areas, classified (hazardous areas) and as indicated on the drawings.
- NN. Except as otherwise indicated on the Drawings, bends in conduit 2 inches or larger for underground conduit shall have a radius or curvature of the inner edge, equal to not less than ten (10) times the internal diameter of the conduit. For the serving utilities, make large radius bends to meet their requirements.

- OO. Provide nylon or a 1/8-inch O.D. polyethylene rope, rated at 250 pounds tensile strength, in all conduits more than 5 feet in length left empty for future use. Not less than 5 feet of rope shall be left at each end of the conduit.
 - PP. Tag all empty conduits at each accessible end with a permanent tag identifying the purpose of the conduit and the location of the other end. In wet, corrosive outdoor or underground locations, use brass, bronze, or copper 16 gauge tags or lead tags secured to conduit ends with #16 or larger galvanized wire. Inscribe on the tags, with steel punch dies, clear and complete identifying information.
 - QQ. Underground conduits, which terminate inside building(s) below grade, or which slope so that water might flow into building(s), shall be sealed at termination after installation of conductors. Install plugs or caps in spare (empty) conduits. Provide 4% slope to outside the building where possible to drain the water away from the building.
- 3.2 Installation of 600-Volt Conductors:
- A. All electrical wire, including signal circuits, shall be installed in conduit.
 - B. All circuits and feeder wires for all systems shall be continuous from switch to terminal or farthest outlet. No joints shall be made except in pull, junction or outlet boxes, or in panel or switchboard gutters.
 - 1. Utilize preinsulated connectors, 3M Company "Scotchlok," or Ideal Industries, Inc. "Super Nut," for splices and taps in conductors No. 10 AWG and smaller.
 - 2. Tape all splices and joints, exclusive of preinsulated connectors, with vinyl plastic tape manufactured by 3M Company, St. Paul, Minnesota. Use sufficient tape to secure insulation strength equal to that of conductors joined.
 - C. All underground splices must be encapsulated and resin filled and rated submessible.
 - D. Thoroughly clean all conduit and wire-ways and see that all parts are perfectly dry before pulling any wires. No joint shall be made except in pull, junction or outlet boxes, or in panel or switchboard gutters.
 - E. Install UL approved fixture wire from all lighting fixture lamp sockets into fixture outlet or junction box.
 - F. For 20 ampere branch circuit wiring, increase No. 12 conductors to No. 10 for 120 volt circuits longer than 100 feet and for 277 volt circuits longer than 150 feet.
 - G. Conductor Support. Provide conductor supports as required by codes and recommended by cable manufacturer. Where required, provide cable supports in vertical conduits and provide lower end of conduit with a ventilator.
- 3.3 Joints in 600-Volt Conductors:
- A. Joints in 600-volt conductors smaller than No. 4 AWG shall be made with Scotchlok spring type connectors. Wires No 4 AWG and larger shall be joined together with approved type of pressure connector and taped with #33 3M tape, three (3) layers minimum to provide insulation not less than that of conductor. Connections to switch or busbar shall be made with one-piece copper lugs. Splicing of all 600 volt or less in-line connections #2 AWG through 350 Kcmil shall be made with 3M brand PST connector.

3.4 Grounding:

- A. Provide grounding for entire electric installation as shown on plans, as listed herein and as required by applicable codes. Included as requiring grounding are:
 - 1. Conduit, Raceways and Cable Trays.
 - 2. Neutral or identified conductors of interior wiring system.
 - 3. Panelboards and Switchboards.
 - 4. Non-current carrying metal parts of fixed equipment.
 - 5. Telephone distribution equipment.
 - 6. UPS, PDU, ATS and Generator Systems
 - 7. Raised Flooring
 - 8. Antennas
- B. Furnish and install required number of 3/4" x 10' copper clad ground rods to meet specified resistance, all required grounding wires, conduit and clamps. The size of the grounding conductors shall be not less than that set forth in the latest edition of the California Code of Regulations, Title 24, State of California and NEC, unless otherwise indicated. Rods shall be installed such that at least 10 feet of length is in contact with the soil. Where rock bottom is encountered, the electrode shall be driven at an oblique angle not to exceed 45 degrees from vertical or shall be buried in a trench that is at least 2.5 feet deep. The upper end of the electrode shall be flush with or below ground level unless the aboveground end and the grounding electrode conductor attachments are protected against physical damage. Unless otherwise noted, connection to the grounding electrode conductor may be by compression type or exothermic process connector. Mechanical connectors shall not be used.
- C. Grounding System Connection:
 - 1. Compression connectors shall be unplated copper, manufactured by Burndy, or approved equal, designed specifically for the intended connection.
 - 2. Exothermic weld-type connectors shall be 'Cadweld' manufactured by Erico Products, or approved equal, designed specifically for the intended connection.
 - 3. Mechanical connectors shall not be used.
- D. Isolated Ground Receptacles shall have an insulated ground wire connected between the receptacle and the panelboard isolated ground bus. Unless otherwise noted, this ground wire shall not be grounded at any other point, and shall be distinguished from other ground wires by a continuous yellow stripe.
- E. Provide separate green equipment ground conductor in all electrical raceways, to effectively ground all fixtures, panels, controls, motors, disconnect switches, exterior lighting standards, and noncurrent carrying metallic enclosures. Use bonding jumpers, grounding bushings, lugs, busses, etc., for this purpose. Connect the equipment ground to the building system ground. Use the same size equipment ground conductors as phase conductors, up through No. 10 AWG. Use CEC Table 250-95 for conductor size with phase conductors No. 8 and larger, if not shown on the Drawings.
- F. Clean the contact surfaces of all ground connections prior to making connections.

- G. Ductwork. Provide a flexible ground strap, No. 6 AWG equivalent, at each flexible duct connection at each air handler, exhaust fan, and supply fan, and install to preclude vibration.
 - H. Motors. Connect the ground conductor to the conduit with an approved grounding bushing, and to the metal frame with a bolted solderless lug. Bolts, screws and washers shall be bronze or cadmium plated steel.
 - I. Building grounding system resistance to ground shall not exceed 25 ohm.
- 3.5 Power Supplies to all Mechanical Equipment Including Plumbing, Heating and Air Conditioning Units;
- A. An electric power supply, including conduit, any necessary junction and/or outlet boxes and conductors and connection shall be furnished and installed by this Contractor for each item or mechanical equipment.
 - B. Power supplies to individual items of equipment shall be terminated in a suitable outlet or junction box adjacent to the respective item of equipment, or a junction box provided by the manufacturer or the equipment and directed by the Mechanical Contractor. Allow sufficient lengths of conductor at each location to permit connection to the individual equipment without breaking the wire run.
 - C. The location of all conduit terminations to the equipment is approximate. The exact location of these conduit terminations shall be located and installed as directed by the Mechanical Contractor.
 - D. Provide power supplies to all mechanical equipment, including but not limited to, equipment furnished and installed by Owner or Contractor such as heating and air conditioning equipment. The installation shall produce a complete operable system.
 - E. Unless otherwise noted, this Contractor shall furnish and install all conduit, boxes, wires, etc., for line voltage wiring and low voltage wiring.
 - F. It is the Contractor's responsibility to verify with the Drawings of other trades regarding the extent of his responsibility for mechanical equipment. The bid must include a sum sufficient to cover the cost of the installation.
 - G. Power supplies shall be terminated in a suitable outlet or junction box adjacent to the respective item of equipment.
 - H. The location of all power supply connection and/or terminations to the mechanical equipment is approximate. The exact locations of these terminations shall be verified with other trades during construction.
- 3.6 Prefabricated Equipment: Installation of all prefabricated items and equipment shall conform to the requirements of the manufacturer's specifications and installation instruction pamphlets. Where code requirements affect installation of materials and equipment, the more stringent requirements, code or manufacturer's instructions and/or specifications, shall govern the work.

END OF SECTION

26 05 05 – SELECTIVE DEMOLITION FOR ELECTRICAL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Electrical Demolition: Selective removal and disposal of [interior] [and] [exterior] components of existing electrical systems not to remain for completed Project, as indicated on Drawings and specified herein.
 - 1. Demolition Work shall include complete demolition of components and shall include all buried and concealed items, their supports, coverings and adjoining finishes.
 - 2. Demolition shall include terminating and labeling of conductors and removal of circuit overload protection devices and relabeling of panel board circuit diagrams and other such informational aids.
 - 3. Extent of demolition is only indicated generally on Drawings and shall not be considered as the complete scope of demolition necessary. Conditions indicated are based on limited surveys of existing conditions. Deviations and conditions which could not be reasonably anticipated shall be governed by provisions in the Conditions of the Contract pertaining to unforeseen conditions.
- B. Electrical Components to be Demolished:
 - 1. Lighting fixtures: ceiling-mounted, as indicated on Drawings.
 - 2. Power outlets and related conductors, including devices, outlet boxes and as indicated on Drawings.
 - 3. Fire, signaling devices, and related conductors, as indicated on Drawings.
- C. Electrical Demolition due to Reconfiguration of Electrical Systems: Removal, disposal and reconfiguration of electrical components in order to keep existing systems operable, due to the following.
 - 1. Removal of partitions, walls, floors, ceilings and roofs.
 - 2. Penetrations through partitions, walls, floors, ceilings and roofs.
- D. Electrical Demolition to Eliminate Interferences: Removal disposal and reconfiguration of electrical components in order to eliminate conflicts of existing components to remain, due to the following.
 - 1. Interference with new electrical components provided under this Project.
 - 2. Interference with new, added partitions, walls, floors and ceilings.
 - 3. Interference with access for Work under this Contract, including structural, architectural, plumbing, HVAC and fire protection Work, whether or not indicated on Drawings, as necessary.

- 4. Interference with required clearances between and around components remaining and new components.
- E. Maintenance of Service: Maintain electrical power and signal services in full operation and protect systems against damage and disruption. Provide temporary services around Project area as necessary.
- F. Patching and Refinishing: Restore surfaces damaged due to electrical demolition, if not otherwise indicated or accomplished by Work described elsewhere in the Drawings and Specifications.

PART 2 - PRODUCTS

2.1 SALVAGEABLE MATERIALS

- A. Salvageable Item Removed by Owner: Prior to start of electrical demolition Work, Owner will make reasonable efforts to remove furnishings and equipment not fixed to the building or to utility services.
- B. Salvageable Items: Ownership of salvageable items shall remain with Owner, unless otherwise indicated.

2.2 NON-SALVAGEABLE MATERIALS

- A. Non-Salvageable Materials: All other materials, equipment, fixtures and debris become the property of the Contractor and shall be removed from the Site.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Review of Existing Systems: Review documents and verify against existing conditions immediately prior to starting electrical demolition Work.
 - 1. Confirm locations of disconnects, conductors and outlets. Mark locations of concealed elements on surfaces.
 - 2. Confirm whether circuits are active. Temporarily deactivate circuits as necessary.
- B. Utility Service Disconnection: Disconnect, remove, and cap designated utility services within demolition areas. Mark location of disconnected utilities. Identify and indicate capping locations on project record drawings.

3.2 PROTECTION

- A. Protection: Conduct demolition Work and removal of debris to ensure minimum interference with exit ways, roads, streets, walks, and facilities remaining operational.
- B. Temporary Barriers: Protect existing items which are not indicated to be altered. Erect and maintain weatherproof closures for exterior openings. Erect and maintain temporary partitions or barriers to prevent spread of dust, fumes, noise, and smoke to provide for continued occupancy of facility by Owner.

- C. Dust Control: Use water sprinkling, temporary enclosures, and other approved methods to minimize amount of dust and debris rising and scattering in the air. Comply with governing regulations pertaining to environmental protection. Do not use water when it may create hazardous or objectionable conditions such as [ice,] staining, flooding, pollution and electrical shock.
 - D. Disposal Methods: Use methods which minimize spread of dust and debris. See additional requirements specified in Section 01 73 29 - Cutting and Patching.
 - 1. Do not throw materials from windows. Use enclosed chutes which dump directly into disposal containers.
 - 2. Do not transport materials and debris through spaces to remain occupied, unless approved by Owner. When necessary to cross through occupied spaces, provide temporary covers and dust barriers. Provide plywood covers where necessary for wheeled traffic to cross existing flooring.
 - E. Protection of Existing Construction: In removal of materials, take care not to damage construction remaining in place, salvageable materials and equipment. Repair or replace existing construction, materials and equipment damaged during demolition, to Owner's satisfaction, at no change in Contract Time and Cost.
 - F. Remove all electrical materials completely and neatly, leaving surfaces smooth and ready for new Work. Sawcut where cutting is necessary. See additional requirements specified in Section 01 73 29 - Cutting and Patching.
- 3.3 DEMOLITION
- A. Demolition Equipment: Locate demolition equipment so as not to impose excessive loads to supporting walls, floors, roof or framing.
 - B. Demolition: Proceed with demolition in an orderly and careful manner. Protect existing foundation supporting structural members and finish material to remain. Coordinate activities with Work specified in other Sections.
 - C. Removal: Remove materials to be re-installed or retained in manner to prevent damage. Store and protect materials. Carefully remove, store, and protect for re-installation electrical materials and equipment identified on Drawings.
- 3.4 DISPOSAL AND CLEANING
- A. Disposal: Promptly remove from the Site all debris, rubbish, and other materials resulting from demolition operations. Dispose of debris legally. On-site burning or burying of debris will not be permitted.
 - B. Salvage: Items of salvageable value shall be delivered to Owner at location at Project site as directed.
 - C. Cleaning and Restoration: Clean adjacent finishes, equipment, improvements and other features of dust, dirt, and debris caused by demolition operations. Restore adjacent areas to condition existing prior to start of the Work, unless otherwise indicated.

END OF SECTION

26 51 00 – LIGHTING FIXTURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section 26 05 00 General Electrical Requirements.

1.2 SUMMARY

- A. Provide U.L. listed and labeled lighting fixtures complete with light engines at light outlets indicated on the drawings. Each fixture shall bear the U.L. Label, and shall comply with Code Requirements.
- B. Fixtures are listed and described in the Lighting Fixture Schedule and in the following paragraphs. Fixture catalog numbers are to be used as a guide only and shall be understood to be followed by the words "except as modified by the total fixture description". Provide all accessories, features and adaptations necessary to meet the requirements of the description.

1.3 DEFINITIONS

- A. CEC: Latest adopted version of California Electrical Code (CCR Title 24, Part 3) based on the National Electrical Code.

1.4 QUALITY ASSURANCE

- A. Products shall be UL listed and labeled.
- B. Comply with CEC.

1.5 SUBMITTALS

- A. Product Data
 - 1. Material List: A material list with names of manufacturers, model numbers, and technical information on all equipment proposed.
 - 2. Catalog cuts for each fixture including complete photometric data in IES format.
 - 3. Weight and dimensions.
 - 4. Product technical information sheets for each principal component in the proposed system. Identify by arrow, circle or similar means products being proposed. Submittals consisting of unmodified catalog pages with no markings will be rejected.
- B. Samples: when requested by Architect.

- C. Operation and Maintenance (O&M) Manuals: Furnish composite "Systems Operation and Maintenance" manuals in indexed three-ring binders, sized to hold the material below, plus 50% excess. Each manual shall contain, but not be limited to:
 - 1. Operational procedures for the overall lighting systems including the "Sequence of Operation".
 - 2. Test procedures and test results.
 - 3. Instruction for the proper operation and maintenance of the lighting system.
 - 4. Factory issued technical, installation, and maintenance manuals.
 - 5. A replacement parts list complete with part numbers and name, address, and phone number of suppliers used by the Contractor. A spare parts list recommended for purchase by the District shall be included.
 - 6. All portions of the material list and shop drawings which are not included in the foregoing.
- 1.6 LAMP REPLACEMENT
 - A. Replace lamps and light engines which burn out after Owner's use or acceptance of the project (or of an area in the case of beneficial occupancy).
 - B. Lamps and light engines which burn out within 120 days.
- 1.7 FIELD REPLACEMENT LIGHT ENGINE
 - A. Integrate LEDs, driver, power supply, thermal management components, and optical mixing components.

PART 2 - PRODUCTS

- 2.1 MANUFACTURERS
 - A. Products: Subject to compliance with requirements, provide one of the products indicated on Drawings.
- 2.2 GENERAL REQUIREMENTS FOR LIGHTING FIXTURES AND COMPONENTS
 - A. Recessed Fixtures: Comply with NEMA LE 4 for ceiling compatibility for recessed fixtures.
 - B. Metal Parts: Free of burrs and sharp corners and edges.
 - C. Sheet Metal Components: Steel unless otherwise indicated. Form and support to prevent warping and sagging.
- 2.3 EXIT SIGNS
 - A. General Requirements for Exit Signs: Comply with UL 924; for sign colors, visibility, luminance, and lettering size, comply with authorities having jurisdiction.
 - B. Internally Lighted Signs:
 - 1. Lamps for AC Operation: LEDs, 50,000 hours minimum rated lamp life.

2. Self-Powered Exit Signs (Battery Type): Integral automatic charger and a self-contained power pack.
3. Battery: Sealed, maintenance-free, nickel-cadmium type.
4. Charger: Fully automatic, solid-state type with sealed transfer relay.
5. Operation: Relay automatically energizes light engine from battery when circuit voltage drops to 80 percent of nominal voltage or below. When normal voltage is restored, relay disconnects light engine from battery, and battery is automatically recharged and floated on charger.
6. Test Push Button: Push-to-test type, in unit housing, simulates loss of normal power and demonstrates unit operability.
7. LED Indicator Light: Indicates normal power on. Normal glow indicates trickle charge; bright glow indicates charging at end of discharge cycle.
8. Integral Self-Test: Factory-installed electronic device automatically initiates code-required test of unit emergency operation at required intervals. Test failure is annunciated by an integral audible alarm and a flashing red LED.

2.4 LIGHTING FIXTURE SUPPORT COMPONENTS

- A. Single-Stem Hangers: 1/2-inch steel tubing with swivel ball fittings and ceiling canopy. Finish same as fixture.
- B. Twin-Stem Hangers: Two, 1/2-inch steel tubes each with single canopy designed to mount a single fixture. Finish same as fixture.
- C. Support Wires: ASTM A 641/A 641M, Class 3, soft temper, zinc-coated steel, 12 gauge.
- D. Rod Hangers: 3/16-inch minimum diameter, cadmium-plated, threaded steel rod.

PART 3 - EXECUTION

3.1 ACCEPTANCE TESTING

- A. Complete the testing and documentation requirements of Title 24 Energy Code Acceptance Testing procedures. Complete and sign the Acceptance Testing Forms and submit to District and DSA Inspector (IOR).

3.2 UTILITY DESIGN INCENTIVE PROGRAM

- A. Furnish the Utility Company representative with the itemized, paid proof of purchase/invoice for the purchase and installation of energy efficient equipment.
- B. Assist the Utility in the verification by Utility representative of both the purchase and installation of the energy efficient equipment, including providing the representative access to the Construction Project, at reasonable times, for verification of installation of the equipment.
- C. Provide the Utility with a written request for payment of the Incentives calculated, when the Construction Project is completed and occupied.

3.3 INSTALLATION

- A. Lighting fixtures:
 - 1. Set level, plumb, and square with ceilings and walls unless otherwise indicated.
 - 2. Install lamps in each luminaire.
- B. Temporary Lighting: If it is necessary, and approved by Architect, to use permanent luminaires for temporary lighting, install and energize the minimum number of luminaires necessary. When construction is sufficiently complete, remove the temporary luminaires, disassemble, clean thoroughly, and reinstall.
- C. Remote Mounting of Drivers: Distance between the driver and fixture shall not exceed that recommended by driver manufacturer. Verify, with driver manufacturers, maximum distance between driver and luminaire.
- D. Lay-in Ceiling Lighting Fixtures Supports: Do not use grid as a support element.
 - 1. Install ceiling support system rods or wires, independent of the ceiling suspension devices, for each fixture. Locate not more than 6 inches from lighting fixture corners.
 - 2. Support Clips: Fasten to lighting fixtures and to ceiling grid members at or near each fixture corner with clips that are UL listed for the application.
 - 3. Fixtures of Sizes Less Than Ceiling Grid: Install as indicated on reflected ceiling plans or center in acoustical panel, and support fixtures independently with at least two 3/4-inch (20-mm) metal channels spanning and secured to ceiling tees.
 - 4. Install at least one independent support rod or wire from structure to a tab on each lighting fixture. Wire or rod shall have breaking strength of the weight of fixture at a safety factor of 3.
- E. Suspended Lighting Fixture Support:
 - 1. Pendants and Rods: Where longer than 48 inches, brace to limit swinging.
 - 2. Stem-Mounted, Single-Unit Fixtures: Suspend with twin-stem hangers.
 - 3. Continuous Rows: Use tubing or stem for wiring at one point and tubing or rod for suspension for each unit length of fixture chassis, including one at each end.
 - 4. Do not use grid as support for pendant luminaires. Connect support wires or rods to building structure.

3.4 IDENTIFICATION

- A. Install labels with panel and circuit numbers on concealed junction and outlet boxes.

3.5 FIELD QUALITY CONTROL

- A. Test for Emergency Lighting: Interrupt power supply to demonstrate proper operation. Verify transfer from normal power to battery and retransfer to normal.
- B. Prepare a written report of tests, inspections, observations, and verifications indicating and interpreting results. If adjustments are made to lighting system, retest to demonstrate compliance with standards.

3.6 ADJUSTING

- A. Occupancy Adjustments: When requested within 12 months of date of Substantial Completion, provide on-site assistance in adjusting aimable luminaires to suit actual occupied conditions. Provide up to two visits to Project during other-than-normal occupancy hours for this purpose. Some of this work may be required after dark.
1. Adjust aimable luminaires in the presence of Architect.

END OF SECTION

26 55 61 – THEATRICAL LIGHTING AND STAGE DIMMING SYSTEM

PART 1 - GENERAL

1.1 Related Sections

- A. 26 05 00: General Electrical Requirements.

1.2 Warranty

- A. Note to Design Professional: Require manufacturer's warranties.

1.3 Commissioning

- A. Note to Design Professional: Coordinate and specify commissioning requirements that applies to the specific project if Construction Commissioning is determined as necessary by designated District Representative.

PART 2 - PRODUCTS

A. Manufactures

1. Electronic Theatre Control (ETC) <http://www.etcconnect.com>
2. Leviton <http://www.leviton.com>
3. Or Approved Equal

B. Dimmer Racks

1. Freestanding dead-front switchboards. Exterior surfaces shall be finished in black powder coat.
2. Racks shall be designed to allow for adjacent or back-to-back mounting. Rear sections of racks behind dimmer modules shall be utilized wireways. Removable conduit panels shall be provided on both top and bottom of racks.
3. Racks shall be designed to operate at 208/120 volts and either single-phase or 3-phase power. Removable panels shall be provided on the sides of the rack to allow simple rack- to-rack busing.
4. Racks shall be factory-tested and control modules shall be burned-in at elevated temperatures for a minimum of 24 hours. Racks shall be UL listed and shall have a minimum interrupting capacity of 10,000 amps.
5. Dimmers within racks shall allow for selectable panic operation through external dry contact closures.

C. Dimmers

1. Plug-in modules shall consist of die-cast aluminum chassis containing one or 2 circuit breakers, solid-state power devices, high-speed processors and 2 filter chokes.

2. Dimmer modules shall include toroidal filter chokes to limit objectionable harmonics, radiated radio frequencies, electromagnetic interference on conductors and acoustical noise in load lamp filament. Current rise time shall be measured at 90 degrees conductive angle from 10 percent to 90 percent of output waveform. Rise time of dimmer shall not vary by over 10 percent operating at 25 percent to 100 percent of rated load. Rise time of stage dimmers shall be no less than 350 microseconds. Rise time of house dimmers shall be not less than 800 microseconds.
3. Power efficiency of dimming channels shall be at least 95 percent, or 97 percent at full load, depending on rise time of modules.
4. Dual dimmer modules shall be Strand 2.4 KW, CD80SV, 72314.

D. Control modules

1. Control modules shall be plug-in assembly consisting of formed steel chassis, one glass epoxy printed circuit board, and 2 levers for easy tool-free insertion and removal. Control modules shall contain LEDs providing user feedback. Control modules shall be Strand CD 80 SV Series.
2. Provide 48-module racks requiring one control module per rack. Slots shall be provided in racks for fully redundant, on-line backup control modules.
3. Control modules shall accept 2 input control signals of either industry standard DMX512 or Strand AMX protocols. Network interfaces for dimmers and feedback data shall be provided. Control module front panels shall provide RS232 serial ports and hand-held terminal ports.

E. Control Consoles: Control consoles shall be microprocessor-based lighting control systems. Control consoles shall provide for control of up to 512 dimmers on a maximum of 125 control channels with at least 200 cues. Output shall be user-selectable between digital (CMX) and USITT standard (DMX512) and Strand (AMX).

F. Entrance Stations: Entrance stations shall be Strand No. 63021 having full on/off functions with LED to indicate on status. Stations shall be wired with 6-conductor, 20AWG, stranded, unshielded cables.

G. Border lights: Optical train shall consist of medium screw base PAR38 or R40 reflector lamps. Unit may also be provided with general service A-Lamps with Alzak reflectors. Compartments shall accommodate combination filter holders for color gels or 55/8-inch diameter glass roundels.

H. Plug-In Boxes:

1. Plug-in boxes shall be Strand 9600 Series.
2. Plug-in boxes shall be formed of 18 gauge painted steel with a removable cover plate.
3. Plug-in box shall contain TLG receptacles on 18-inch S-cable pigtails with strain relief fittings.

PART 3 - EXECUTION

- 3.1 Deliver the operating and servicing manual for stage lighting and dimmer system to the District.

3.2 Training

- A. Instruct the District in the correct operation of system.
- B. Manufacturer of dimming system shall provide an engineering representative on-site, after installation has been completed to instruct District's personnel in the operation and maintenance of system. Instruction time shall not be less than 2 days.

END OF SECTION

DIVISION 27 – COMMUNICATIONS

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements

27 41 36 – TELEVISION DISTRIBUTION SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. The work under this section includes all final design, all labor, material, equipment, supplies, labor, testing, and accessories required to furnish and install a complete Television Distribution System as indicated on the drawings and as specified herein.
- B. It is the intent of the Drawings and Specifications for the Contractor to design, provide and install a complete, fully operational, and tested system.
- C. All miscellaneous system components including, but not limited to, cables, termination equipment, punch blocks, patch panels, backboards, and any other related items shall be furnished and installed complete under this section, such that the system shall perform all functions listed herein in compliance with all of the specified requirements.

1.3 COORDINATION WITH OTHER SECTIONS

- A. It is a mandatory requirement that a single contractor perform the work described in this section and Section 27 51 23 – Intercommunications and Program Systems.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Blonder Tongue Laboratories, Inc., 1 Jake Brown Road, Old Bridge, NJ 08857. 800-523 6049. www.blondertongue.com
- B. Acceptable Manufacturer: None identified. Equivalent products will be acceptable in accordance with the "or equal" provision of the General Conditions. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.

2.2 EQUIPMENT

- A. Amplifier shall be #RMDA750-50 with filters and return amp modules as required.
- B. Provide return equipment for one (1) channel - DSV separator/ESHM/T8 to unused cable channels converter/ESHP-A T8/ (cable channel to be selected by the District). Furnish rack for portable equipment.
- C. Modulators shall be #AM-60-750.
- D. Room taps shall be #V-3889 with isolation as required.

- E. Provide each tap location with a Peerless #WSP414 backplate.
- F. Terminators shall be #BTFTP and splitters #SUV-2 or 4 as required.
- G. Trunk cable shall be Westpenn #821 for runs of 500' or less, and JA500 style cable for runs over 500'.
- H. Drop cable shall be Westpenn #842.
- I. Equipment racks shall be Middle Atlantic #WRK44 with doors front and back and all necessary side panels and blanks.

PART 3 - EXECUTION

3.1 GENERAL INSTALLATION REQUIREMENTS

- A. The wiring of the system shall be executed in accordance with the drawings and the equipment manufacturer's wiring diagrams. Should any variations in these requirements occur, the contractor shall notify the architect before making any changes. It shall be the responsibility of the factory-authorized distributor of the approved equipment to install the equipment and guarantee the system to operate as per plans and specifications.
- B. Furnish all conduit, junction boxes, conductors, equipment plugs, terminal strips, etc., and labor to install a complete and operable system.
- C. The cables within the rack or cabinets shall be carefully cabled and laced with no. 12 Cord waxed linen lacing twine or ty-raps. All cables shall be numbered for identification.
- D. Splices of conductors in underground pull boxes is not permitted.
- E. The labor employed by the contractor shall be regularly employed in the installation and repair of communication systems and shall be acceptable to the owner and architect to engage in the installation and service of this system.
- F. The contractor shall thoroughly clean all equipment and materials. All exposed parts of the equipment, cabinets, and other equipment shall be left in a clean condition, unblemished and free of all dirt, dust, smudges, spots, fingerprints, etc., The contractor shall remove all debris and rubbish occasioned by the electronic systems work from the site. The contractor shall thoroughly clean all buildings of any dirt, debris, rubbish, marks, etc., Caused by the performance of this work.
- G. The system must meet all local and other prevailing codes.
- H. All cabling installations shall be performed by qualified technicians.
- I. All cabling shall be splice free.
- J. In order to ensure the least amount of cable untwisting, it is required that all cables shall be stripped using a special tool.
- K. The use of lubricants (i.e. Yellow 77) to facilitate the installation of cables in conduits is highly discouraged. If such a lubricant must be used, the contractor shall verify the acceptability of the lubricant to be used with the cable manufacturer, prior to using such a lubricant.
- L. Under no circumstance are "channel locks" or other pliers to be used.

- M. Plenum rated cable may be run exposed above ceilings, provided the cabling is supported independent of other utilities such as conduits, pipes, and the ceiling support systems. The cables shall not be laid directly on the ceiling panels. The use of cable ties shall be done in accordance with the cable manufacturer's requirements. The cable jacket composition must meet local and all other prevailing fire and safety codes.
 - N. All firewalls penetrated by structured cabling shall be sealed by use a non-permanent fire blanket or other method in compliance with the current edition of National Fire Protection Association (NFPA) and the National Electric Code (NEC) or other prevailing code. The contractor must not use concrete or other non-removable substance for fire stopping on cable trays, wireways or conduits. Contractors who use this method will be required to replace all cables affected and provide the original specified access to each effected area.
 - O. All equipment racks shall be bolted to the floor by the contractor once the Owner determines the exact location for each rack. The earthquake mounting brackets that come with each relay rack kit shall be screwed to studs, not drywall. All equipment shall be serviceable in the racks final location – the need to unbolt racking equipment to access or service equipment is not acceptable.
- 3.2 PECIFIC SYSTEM INSTALLATION REQUIREMENTS
- A. The installer shall, upon completion of the system, orient all antennas, adjust all controls, etc., to provide a system operating at maximum capability.
 - B. Submit block diagram and shop drawing of equipment.
- 3.3 GENERAL TESTING REQUIREMENTS
- A. Provide all instruments for testing and demonstrating in the presence of the owner's inspector that the frequency response is as stated in the factory data sheets. Check all circuits and wiring to verify they are free of shorts and grounds.
- 3.4 SPECIFIC SYSTEM TESTING REQUIREMENTS
- A. Document that the system delivers a minimum of 6dbmV signal strength to each receiver on every TV channel in the system when every outlet is connected to a lead.
 - B. Document that each outlet in the system will accept, process and distribute a simultaneous sub-channel.
 - C. The installer shall prove that reception quality at an outlet designated by the Owner, or his authorized representative, is equal to or better than reception normally available in the area and that signal strength is as specified.
- 3.5 FINAL ACCEPTANCE
- A. The Owner or Owner's representative may visit the site during the installation of the system to ensure that correct installation practices are being followed.
 - B. The Owner or Owner's representative will conduct a final job review once the contractor has finished the job. This review will take place within one week after the contractor notifies the owner.
 - C. Two copies of all certification data and drawings for all identifications shall be provided to the Owner before the owner's review.
-

- D. The Owner or Owner's representative will review the installation and certification data prior to the system acceptance.
- E. The Owner or Owner's representative may test some of the systems features to ensure that the certification data is correct. If a substantial discrepancy is found, the Owner reserves the right to have an independent consultant perform a certification of the entire system. If such a procedure is undertaken, the cost of the testing will be billed back to the contractor.
- F. In the event that repairs or adjustments are necessary, the contractor shall make these repairs at his own expense. All repairs shall be completed within 10 days from the time they are discovered.
- G. The contractor shall provide not less than eight (8) hours for site instruction of personnel in the operation and maintenance of the installed systems. This instruction time shall be divided as directed by the Owner.
- H. The contractor shall hand to the owner a copy of any applicable installation specific software configurations in disk format.

END OF SECTION

27 51 23 – INTERCOMMUNICATIONS AND PROGRAM SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. The work under this section includes all final design, all labor, material, equipment, supplies, labor, testing, and accessories required to furnish and install a complete Integrated Communication System as indicated on the drawings and as specified herein.
- B. It is the intent of the Drawings and Specifications, for the Contractor to design, provide and install a complete, fully operational, and tested system.
- C. All miscellaneous system components including, but not limited to, cables, termination equipment, punch blocks, patch panels, backboards, and any other related items shall be furnished and installed complete under this section, such that the system shall perform all functions listed herein in compliance with all of the specified requirements.
- D. The Integrated Communication System shall include, but not limited to, the following subsystems / products:
 - 1. Intercommunication System
 - 2. Master Clock System.
 - 3. Emergency and Zone Paging System.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Bogen Communications, Inc., 1200 MacArthur Blvd. Suite 304, Mahwah, NJ 07430, 1-800-999-2809
- B. Acceptable Manufacturer: None identified. Equivalent products will be acceptable in accordance with the "or equal" provision of the General Conditions. Equivalent products of other manufacturers will be considered in accordance with the substitution provision specified in Section 01 60 00 - Product Requirements.

2.2 EQUIPMENT

- A. Console:
 - 1. Rack-mounted equipment shall be Bogen Model TCPER
 - a. Rack-TCPER42/TCPER61/TCPER70-42"/60"70" High

2. MCRMP
 - a. Rack-mounting panel. Includes the following components:
 - b. MC512-Power Supply (1 per system)
 - c. MC2626-Power Supply (1 for up to 120 stations, 2 for more than 120 stations)
 - d. MCAPI-Audio Program Module Interface Assembly (1 per system)
3. MCRMF
 - a. Rack mounting mainframe (1 per 120 stations). Includes built-in ventilation fans and the following circuit cards:
 - b. MCPCA2-Processor card (1 per system)
 - c. MCACB-Analog card (1 per 24 stations)
 - d. MCSC-Station card (1 per 24 stations)
 - e. MCJCA-Ribbon cable assembly (interconnects 2 MCRMF)
4. MCRM
 - a. Relay module (1 per 24 stations). Mounts to:
 - b. MCRRP-Stand-alone configuration
 - c. SBA225-Series 2223 configuration
 - d. SBA325-Series 2233 configuration
5. MCRCA
 - a. Ribbon cable assembly
6. CPT1B
 - a. AM/FM cassette unit
7. Power Amplifiers (as required)
 - a. BPA60-60 watt
 - b. HTA-125A-125 watt
 - c. HTA-250A-250 watt
8. Optional Equipment
 - a. MCTC-Telephone access card

2.3 PERIPHERAL DEVICES

A. Administrative Display Phone

1. One Administration display phone at the main office, for announcements, to ring bells or program system.

B. Enhanced Staff Stations

1. One enhanced Staff station at ASB or located where after school announcements are made.

- C. Speakers
 - 1. Classroom loudspeakers (or if not designated) - Interior flush mounted wall or ceiling shall be Rauland USO188 mounted in Rauland ACC1004 baffle and ACC1100 back box.
 - D. Wiring shall be done per manufacturer's recommendation, West Penn #357. All terminal connections to be on barrier strips. All cables to be labeled by room.
 - E. Exterior flush ceiling or wall loudspeaker shall be Quam C10PAOT10 weatherproof mounted on Rauland ACC1012 baffle and ACC1105 back box. Use vandal-proof hardware.
 - F. Supply U.P.S. unit for stand-by power during power failures.
- 2.4 TERMINAL BLOCKS
- A. All conductors in all terminal cabinets, equipment rack, etc., shall be terminated on Siemens 66M1-50 punch blocks or approved equal.
- 2.5 CONDUCTORS
- A. Classroom and staff room locations West Penn #WP56471 grey - home run.
 - B. Speaker West Penn #357.

PART 3 - EXECUTION

3.1 GENERAL INSTALLATION REQUIREMENTS

- A. The wiring of the system shall be executed in accordance with the drawings and the equipment manufacturer's wiring diagrams. Should any variations in these requirements occur, the contractor shall notify the architect before making any changes. It shall be the responsibility of the factory-authorized distributor of the approved equipment to install the equipment and guarantee the system to operate as per plans and specifications.
- B. Furnish all conduit, junction boxes, conductors, equipment plugs, terminal strips, etc., and labor to install a complete and operable system.
- C. The cables within the rack or cabinets shall be carefully cabled and laced with no. 12 Cord waxed linen lacing twine or ty-raps. All cables shall be numbered for identification.
- D. Splices of conductors in underground pull boxes is not permitted.
- E. The labor employed by the contractor shall be regularly employed in the installation and repair of communication systems and shall be acceptable to the owner and architect to engage in the installation and service of this system.
- F. The contractor shall thoroughly clean all equipment and materials. All exposed parts of the equipment, cabinets, and other equipment shall be left in a clean condition, unblemished and free of all dirt, dust, smudges, spots, fingerprints, etc., The contractor shall remove all debris and rubbish occasioned by the electronic systems work from the site. The contractor shall thoroughly clean all buildings of any dirt, debris, rubbish, marks, etc., Caused by the performance of this work.
- G. The system must meet all local and other prevailing codes.
- H. All cabling installations shall be performed by qualified technicians.

- I. All cabling shall be splice free.
 - J. In order to ensure the least amount of cable untwisting, it is required that all cables shall be stripped using a special tool.
 - K. The use of lubricants (e.g. Yellow 77) to facilitate the installation of cables in conduits is highly discouraged. If such a lubricant must be used, the contractor shall verify the acceptability of the lubricant to be used with the cable manufacturer, prior to using such a lubricant.
 - L. Under no circumstance are "channel locks" or other pliers to be used.
 - M. Plenum rated cable may be run exposed above ceilings, provided the cabling is supported independent of other utilities such as conduits, pipes, and the ceiling support systems. The cables shall not be laid directly on the ceiling panels. The use of cable ties shall be done in accordance with the cable manufacturer's requirements. The cable jacket composition must meet local and all other prevailing fire and safety codes.
 - N. All firewalls penetrated by structured cabling shall be sealed by use a non-permanent fire blanket or other method in compliance with the current edition of National Fire Protection Association (NFPA) and the National Electric Code (NEC) or other prevailing code. The contractor must not use concrete or other non-removable substance for fire stopping on cable trays, wireways or conduits. Contractors who use this method will be required to replace all cables affected and provide the original specified access to each effected area.
 - O. All equipment racks shall be bolted to the floor by the contractor once the Owner determines the exact location for each rack. The earthquake mounting brackets that come with each relay rack kit shall be screwed to studs, not drywall. All equipment shall be serviceable in the racks final location – the need to unbolt racking equipment to access or service equipment is not acceptable.
- 3.2 SPECIFIC SYSTEM INSTALLATION REQUIREMENTS
- A. The installer shall, upon completion of the system installation, adjust all controls, etc., to provide a system operating at maximum capability.
 - B. Submit block diagram and shop drawing of equipment.
- 3.3 GENERAL TESTING REQUIREMENTS
- A. Provide all instruments for testing and demonstrating in the presence of the owner's inspector that the frequency response is as stated in the factory data sheets. Check all circuits and wiring to verify they are free of shorts and grounds.
- 3.4 SPECIFIC SYSTEM TESTING REQUIREMENTS
- A. Perform all manufactured required testing.
- 3.5 FINAL ACCEPTANCE
- A. The Owner or Owner's representative may visit the site during the installation of the system to ensure that correct installation practices are being followed.

- B. The Owner or Owner's representative will conduct a final job review once the contractor has finished the job. This review will take place within one week after the contractor notifies the owner.
- C. Two copies of all certification data and drawings for all identifications shall be provided to the Owner before the owner's review.
- D. The Owner or Owner's representative will review the installation and certification data prior to the system acceptance.
- E. The Owner or Owner's representative may test some of the systems features to ensure that the certification data is correct. If a substantial discrepancy is found, the Owner reserves the right to have an independent consultant perform a certification of the entire system. If such a procedure is undertaken, the cost of the testing will be billed back to the contractor.
- F. In the event that repairs or adjustments are necessary, the contractor shall make these repairs at his own expense. All repairs shall be completed within 10 days from the time they are discovered.
- G. The contractor shall provide not less than eight (8) hours for site instruction of personnel in the operation and maintenance of the installed systems. This instruction time shall be divided as directed by the Owner.
- H. The contractor shall hand to the owner a copy of any applicable installation specific software configurations in disk format.

END OF SECTION

DIVISION 28 – LIFE SAFETY

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements

28 46 00 – FIRE DETECTION AND ALARM

PART 1 - GENERAL

1.1 General Conditions

- A. The Contractor shall furnish all equipment, devices, materials, tools, labor, drawings, permits and all associated documentation necessary for a complete distributed networked fire alarm system, ready for operational turn-over in accordance with the requirements of the NFPA-72, The National Fire Alarm Code, and the Authority Having Jurisdiction. The Contractor shall provide all devices and equipment required by the drawings and specifications. The Contractor may not delete any equipment or devices without submission and approval of a request for information detailing all deletions.

1.2 QUALITY

- A. To ensure reliability and complete compatibility, all items of the Fire Alarm System, including control panels, power supplies, as well as all initiating devices and notification appliances, shall be listed by Underwriters Laboratories inc. (UL) and shall bear the "UL" label. The fire alarm control panel equipment shall be U.L. Listed under the UL 864 Standard Control Units and Accessories for Fire Alarm Systems, 9th edition.

1.3 ACCEPTABLE MANUFACTURERS AND DISTRIBUTORS

- A. All references to manufacturer's model numbers and other pertinent information herein is intended to establish the District standard of FCI equipment, performance, function and quality. The system shall be installed by a Platinum Level Distributor. The contractor shall have been in business for a minimum of twenty years. The contractor shall have an office within 30 miles of the project site.
- B. The fire alarm contractor shall supply and install FCI equipment. The fire alarm contractor shall not outsource any equipment, and/or labor.
- C. The equipment, programming and installation shall be provided by an approved Platinum Level engineered systems distributor of FCI, located within San Diego County.
- D. The contractor shall provide a certificate from the manufacturer, for 3 year parts warrantee.
- E. The installing contractor shall provide a 24/7 service department and house spare products in their inventory, for all products used in this specification.
- F. The contractor shall be a UL Certified Installer, FCI factory trained technicians, and shall have a Nicet level 3 technician on site.

1.4 SCOPE

- A. A new intelligent reporting, networked, fully peer-to-peer, microprocessor controlled fire detection system shall be installed in accordance with the specifications and drawings. The existing FCI panel in the admin building shall be replaced with an E3 system including an ILI-MB-E3, an ILI-S-E3, a PM-9, a RPT-E3-UTP, a LCD-E3 and a DACT-E3 in a C size cabinet.

B. Basic Performance:

1. The Network Communications Circuit (NetSOLO) serving the network nodes shall be wired using a single twisted non-shielded two conductor cable or connected using an approved fiber optic cable between nodes in a Class B.
2. Signaling Line Circuits (SLC) serving the addressable devices shall be wired Class B.
3. Initiation Device Circuits (IDC) serving the non-addressable devices connected to addressable monitor modules shall be wired Class B.
4. Notification Appliance Circuits (NAC) serving strobes and speakers shall be wired Class B.
5. Transponders shall operate in a peer-to-peer fashion with other panels and transponders in the system.
6. All network node communications shall be communicated between panels and transponders on a single pair of copper wires or fiber optic cables.
7. All signaling line circuits (SLC) shall reside in the remote Transponders. The SLC modules shall operate in a peer-to-peer fashion with all other panels and transponders in the system. Systems that provide a "Degraded" mode of operation upon loss of the INCC Command Center or a short in the riser shall not be acceptable.

1.5 BASIC SYSTEM FUNCTIONAL OPERATION

- A. When a fire alarm condition is detected and reported by one of the system alarm initiating devices, the following functions shall immediately occur:
1. The System Alarm LED'S shall flash.
 2. A local piezo-electric signal in the control panel shall sound at a pulse rate.
 3. The 80-character LCD display shall indicate all information associated with the fire alarm condition, including the type of alarm point and its location within the protected premises.
 4. The historical log shall record the information associated with the fire alarm control panel condition, along with the time and date of occurrence.
 5. All system output programs assigned via control-by-event equations to be activated by the particular point in alarm shall be executed, and the associated system outputs (alarm notification appliances and/or relays) shall be activated.

1.6 STANDARDS

- A. The system shall conform to the latest editions of the following codes and standards:
1. NFPA 72 - National Fire Alarm Code 1999
 2. NFPA 70 - National Electrical Code
 3. Americans with Disabilities Act (ADA)
 4. NFPA 90A, Installation of Air Conditioning and Ventilating Systems
 5. NFPA 101 - Life Safety Code

1.7 WARRANTY

- A. The system shall be installed by a Platinum level distributor. The installing contractor shall warranty the entire installation for 1 year. The manufacturer shall guarantee all system equipment for a period of three (3) years from the date of final acceptance. This does not include existing field devices or wiring.

1.8 INTERFACING WITH RELATED SYSTEMS

- A. Coordinate with the appropriate contractors for interfacing to other building systems as required including but not limited to the sprinkler systems and the HVAC systems.

1.9 SUBMITTALS

A. General

- 1. Six copies of all submittals and shop drawings shall be submitted to the Architect/Engineer for review.

B. Equipment Submittals shall contain:

- 1. A bill of Material that indicates the quantity, model number and description of each of the components of the system.
- 2. Sufficient information, clearly presented, shall be included to determine compliance with drawings and specifications.

C. Shop Drawings:

- 1. A cover page indicating the project name and address, the engineered systems distributor's name and other contact information, the installing contractor's name and other contact information and the date of the equipment submittals. Any revised submittals shall reflect the original submittal's date and the revised submittal's date.
- 2. A separate floor plan for each floor must be provided. If a floor plan must be split using match lines in order to be able to fit on the page, match lines and match line references shall be provided that refer to the sheet number that shows the area on the opposite side of the match line.
- 3. A title block shall be provided on each sheet and shall include, at a minimum, the project name, the project address, the sheet name, the sheet number, the scale of the drawing, the date of the drawing and any revision dates if applicable.
- 4. Floor plans shall be prepared in AutoCAD.
- 5. The floor plans must be prepared to scale (1/8" = 1'0" unless otherwise required by the Architect, Engineer or AHJ). All equipment and device locations shall be shown on the floor plans. The floor plans shall show all wiring information in a point-to-point format. If required by the AHJ, all conduit routing shall be shown.
- 6. A sheet that details the exterior view and interior view of the annunciator panel(s) and that clearly shows the associated wiring information shall be provided.
- 7. Sufficient information, clearly presented, shall be included to determine compliance with drawings and specifications.

D. Operation and Maintenance Manuals and As-built Drawings:

1. Within 21 calendar days after the acceptance test, submit two copies of the complete Operating and Maintenance Manuals and As-built Drawings.
2. The Operating and Maintenance Manuals shall be similar to the Equipment Submittals but revised to reflect any changes made during the project. In addition, the Operating and Maintenance Manuals shall contain the factory's standard Installation and Operating Instructions.
3. The As-built Drawings shall be similar to the Shop Drawings but revised to reflect any changes made during the project.

E. Software Modifications

1. Provide the services of a Platinum Level FCI factory trained and authorized technician to perform all system software modifications, upgrades or changes.
2. Provide the use of all hardware, software, programming tools and documentation necessary to modify the fire alarm system software on site. Modification includes addition and deletion of devices, circuits, zones and changes to system operation and custom label changes for devices or zones. The system structure and software shall place no limit on the type or extent of software modifications on-site. Modification of software shall not require power-down of the system or loss of system fire protection while modifications are being made.

1.10 FIRE ALARM SYSTEM FUNCTIONALITY

- A. Provide a complete, electrically supervised distributed, networked analog/addressable fire alarm and control system, with analog initiating devices.
- B. Each ILI-MB-E3 node shall incorporate two (2) Signaling Line Circuits (SLC), with the capacity to support up to 99 analog addressable detectors and 98 addressable modules per SLC.
- C. All Voice, Data, and Fire Fighters phone Riser shall transmit over a single pair of wires or fiber optic cable.
- D. Each Network Node shall incorporate Boolean control-by event programming including as a minimum AND, OR, NOT, and Timer functions.
- E. The control panels shall have the capability to accept firmware upgrades via connection with a laptop computer, without the requirement of replacing microchips.
- F. The network shall be based on a peer to peer token ring technology operating at 625 K baud.
- G. The network shall include the capability of utilizing twisted pair wiring, a pair of fiber optic cable strands up to 200 microns, or both, to maximize flexibility in system configuration.
- H. Each network node shall have the capability of being programmed off-line using Windows based software supplied by FCI (Fire Control Instruments). Each node shall also have the capability of being downloaded by connecting the laptop computer into any other node in the system. Systems that require system software to be downloaded to each transponder at each transponder location shall not be acceptable.
- I. Each network node shall have the capability of being grouped with any number of additional nodes to produce a "Region", allowing that group of nodes to act as one, while retaining the

peer-to-peer functionality. Systems utilizing "Master/Slave" configurations shall not be acceptable.

- J. Each network node shall have the capability of annunciating all events within its "Region" or annunciating all events from the entire network, on both the front panel LCD without any additional equipment.
- K. Each SLC network node shall have the capability of having an integral DACT (digital alarm communicator transmitter) that can report events in either its region, or the entire network to a single central station monitoring account.
- L. Each ILI-MB-E3 panel shall have the capability of storing its entire program, and allow the installer to activate only the devices that are installed during construction, without further downloading of the system.
- M. Each system shall be provided with four (4) levels of password protection with up to sixteen (16) passwords.

PART 2 - PRODUCTS

2.1 Intelligent Network INCC Command Center HARWARE

- A. The Intelligent Network INCC Command Center (INCC) shall supply the user interface including an LCD or Touch screen 1/4 VGA display, and Intelligent Loop Interface Modules (ILI-MB-E3). The INCC shall consist of the following units, and components, each of which is described in detail in this section:
 - 1. System Cabinet (B, C or D Size Cabinet) with the associated inner door
 - 2. Power Supply Module (PM-9) with batteries
 - 3. 80 Character LCD Display (LCD-E3)
 - 4. Intelligent Loop Main Board Interface (ILI-MB-E3)
 - 5. Intelligent Loop Supplemental Interface (ILI-S-E3)
 - 6. DACT (DACT-E3)
 - 7. RS-485 Repeater (RPT-E3)
 - 8. (2) Auxiliary Switch Modules (ASM-16)
- B. System Cabinet
 - 1. The system cabinet shall be either surface or semi-flush mounted with a texture finish and shall consist of a back box, an inner door and a door. The Cabinet shall be available in at least three (3) sizes to best fit the project configuration. The system cabinet houses one or more PM-9 Power Supply Module, a INI-VG Intelligent Network Interface Voice Gateway, one or more ILI-MB-E3 assemblies, and other optional modules listed above. The cabinet shall be of dead-front steel construction with an inner door to conceal any internal circuitry and wiring. A minimum of a 1 inch wiring gutter space shall be provided behind the mounting plate. Wiring shall be terminated on removable terminal blocks to allow field servicing of all modules without disrupting system wiring.

C. Power Supply Module (PM-9)

1. The PM-9 power supply shall use the latest technologies to provide power to the INCC and shall incorporate the following features:
 - a. Power saving switching technology using no step-down transformers
 - b. 9 Amp continuous rated output to supply up to all power necessary under normal and emergency conditions for INCC Command Center Modules
 - c. Integral Battery Charger with capacity to charge up to 55 amp-hour batteries while under full load.

D. Batteries

1. Batteries shall be of sufficient capacity to provide power for the entire system upon loss of normal AC power for a period of twenty-four (24) hours with fifteen (15) minutes of alarm signaling at the end of this twenty four hour period as required by NFPA 72, Local Systems.

E. LCD Display Module (LCD-E3)

1. The LCD display shall be an 80 character RS-485 based textual annunciator with the capability of being mounted locally or remotely. It provides audible and visual annunciation of all alarms and trouble signals. Dedicated LED's shall be provided for:
 - a. AC Power On (green)
 - b. Alarm (red)
 - c. Supervisory (yellow)
 - d. System Trouble (yellow)
 - e. Power Fault (yellow)
 - f. Ground Fault (yellow)
 - g. System Silenced (yellow)
2. The 80-character alphanumeric display shall provide status of all analog/addressable sensors, monitor and control modules. The display shall be of the liquid crystal type (LCD), clearly visible in the dark and under all light conditions.
3. The panel shall contain four (4) functional keys:
 - a. Alarm Acknowledge
 - b. Trouble Acknowledge
 - c. Signal Silence
 - d. System Reset/Lamp Test
4. The panel shall contain three (3) configuration buttons:
 - a. Menu/Back
 - b. Back Space/Edit
 - c. OK/Enter
5. It shall also have a 12-key telephone style keypad which shall permit selection of functions.

F. Intelligent Loop Interface (ILI-MB-E3)

1. The system shall be of multiprocessor design to allow maximum flexibility of capabilities and operation. The Intelligent Loop Interface shall be capable of mounting in a standalone enclosure or integrated with the Intelligent Network INCC Command Center (INCC) described above.
2. Field Programmable
 - a. The system shall be capable of being programmed by means of a Field Configuration Program (FCP) allowing programming to be downloaded via portable computer from any node on the network.
3. RS-232C Serial Output
 - a. A supervised RS-232C serial port shall be provided to operate remote printers and/or video terminals, accept a downloaded program from a portable computer, or provide 80 column readout of all alarms, troubles, location descriptions, time, date, etc. The communication shall be standard ASCII code operating from 1200 to 115,200 baud rate.
4. RS-485 Serial Output
 - a. Each ILI-MB-E3 shall incorporate an RS-485 bus via a ribbon harness for connection of modules inside the same cabinet, and via a four wire quick connector for connection of modules up to 3000 feet from the cabinet. This RS-485 bus shall support up to sixteen (16) ASM-16 auxiliary switch modules, six (6) LCD-E3 main Annunciators and five (5) LCD-7100 annunciators.
5. Peer-to-Peer panel configuration.
 - a. All Loop Interface Modules shall incorporate it's own programming, log functions, Central Processor Unit, and control by event (CBE) programming. In the event that any loop becomes disabled, each remaining loop driver shall continue to communicate with the remainder of the network and maintain normal operation. "Degrade" configurations under these conditions are not acceptable.
6. Control-by-Event (CBE) Program
 - a. The ILI-MB-E3 shall be capable of programming using Boolean logic including AND, OR, NOT, and TIMING functions to provide complete programming flexibility.
7. Alarm Verification
 - a. Smoke detector alarm verification shall be a standard option while allowing other devices (i.e.: manual stations, sprinkler flow, etc.) to create an immediate alarm. This feature shall be selectable for smoke sensors that are installed in environments prone to nuisance or unwanted alarms.
8. Alarm Signals
 - a. All alarm signals shall be automatically latched or "locked in" at the control panel until the operated device is returned to normal and the control panel is manually reset. When used for sprinkler flow, the "SIGNAL SILENCE" switch may be bypassed, if required by the AHJ.

9. Electrically Supervised

- a. Each SLC and NAC circuit shall be capable shall be electrically supervised for opens, shorts and ground faults. The occurrence of any fault shall activate the system trouble circuitry but shall not interfere with the proper operation of any other circuit.
- b. A yellow "SYSTEM TROUBLE" LED'S shall light and the system audible sounder shall steadily sound when any trouble is detected in the system. Failure of power, open or short circuits on the SLC or NAC circuits, disarrangement in system wiring, failure of the microprocessor or any identification module, or system ground faults shall activate this trouble circuit. A trouble signal may be acknowledged by operating the "TROUBLE ACKNOWLED'SGE" switch. This shall silence the sounder. If subsequent trouble conditions occur, the trouble circuitry will resound. During an alarm, all trouble signals shall be suppressed with the exception of lighting the yellow "SYSTEM TROUBLE" LED'S.

10. Drift Compensation - Analog Smoke Sensors

- a. System software shall automatically adjust each analog smoke sensor approximately once each week for changes in sensitivity due to the effects of component aging or environment (i.e.: dust). Each sensor shall maintain its actual sensitivity under adverse conditions to respond to alarm conditions while ignoring the factors which generally contribute to nuisance alarms. The system trouble circuitry shall activate, display "DIRTY DETECTOR" and "VERY DIRTY DETECTOR" indications and identify the individual unit that requires maintenance.

11. Analog Smoke Sensor Test

- a. System software shall automatically test each analog smoke sensor a minimum of three times daily. The test shall be a recognized functional test of each photocell (analog photoelectric sensors) and ionization chamber (analog ionization sensors) as required annually by NFPA 72. Failure of a sensor shall activate the system trouble circuitry, display a "Test Failed" indication, and identify the individual device that failed.

12. Central Station Option

- a. The fire alarm control panel shall provide an integral Digital Alarm Communicator Transmitter (DACT) for signaling to a Central Station. The DACT shall contain a "Dialer-Runaway" feature preventing unnecessary transmissions as the result of intermittent faults in the system and shall be Carrier Access Code (CAC) compliant, accepting up to 20-digit central station telephone numbers. The fire department shall be consulted as to the authorized central station companies serving the municipality. The fire alarm system shall transmit both alarm and trouble signals with the alarm having priority over the trouble signal. The contractor shall be responsible for all installation charges, while the customer shall be responsible for the line lease charges.

13. Network Annunciator Option

- a. Each ILI-MB-E3 and associated display shall provide the option of being configured as a network annunciator. The options for annunciation shall default as a regional annunciator with the capability of selecting global annunciation to provide system wide protection as well as Acknowledge, Silence, and Reset capabilities.

14. Redundant History Log
 - a. Each ILI-MB-E3 shall contain a full 4100 event history log supporting local and network functions. In the event that a main processor or network node is lost the entire log shall be accessible at any other Loop Interface board. This shall be demonstrated by removing power from the INCC Command Center followed by the extraction of the history log from any loop driver location including the INCC Command Center or Transponder.
15. LED'S Indicator and Outputs
 - a. Each ILI-MB-E3 Loop Interface shall incorporate as a minimum the following Diagnostic LED'S indicators:
 - b. Power (green)
 - c. Alarm (red)
 - d. Supervisory (yellow)
 - e. General Trouble (yellow)
 - f. Ground Fault (yellow)
 - g. Transmit (green)
 - h. Receive (green)
16. Auxiliary Power Outputs
 - a. Each ILI-MB-E3 Loop Interface shall provide the following supply outputs as follows:
 - b. 24 VDC Non-resettable, 1 amp. max., power limited.
 - c. 24 VDC Resettable, 1 amp. max., power limited.
17. Microprocessor
 - a. The Loop interface shall incorporate a 32 bit RISC processor. An isolated "watchdog" circuit shall monitor the microprocessor and upon failure shall activate the system trouble circuits on the display. The microprocessor shall access the system program, for all control-by-event (CBE) functions. The system program shall not be lost upon failure of both primary and secondary power. Programming shall supporting Boolean logic including AND, OR, NOT, TIME DELAY functions for maximum flexibility.
18. Auto Programming
 - a. The system shall provide means for all SLC devices on any SLC loop to be pre-programmed into the system. Upon activation of auto programming, only the devices that are present will activate. This allows for a system to be commissioned in phases without the need of additional downloads.
19. Environmental Drift Compensation
 - a. The system shall provide means for setting Environmental Drift Compensation by device. When a detector accumulates dust in the chamber and reaches an unacceptable level but yet still below the allowed limit, the control panel shall indicate a maintenance alert warning. When the detector accumulates dust in the

chamber above the allowed limit, the control panel shall indicate a maintenance urgent warning.

20. NON-FIRE Alarm Module Reporting

- a. A non-reporting type ID shall be available for use for energy management or other non-fire situations. NON-FIRE point operation shall not affect control panel operation nor shall it display a message at the panel LDC. Activation of a NON-FIRE point shall activate control by event logic but shall not cause any indication on the control panel.

21. One-Man Walk Test

- a. The system shall provide both a basic and advanced walk test for testing the entire fire alarm system. The basic walk test shall allow a single operator to run audible tests on the panel. All logic equation automation shall be suspended during the test and while annunciators can be enabled for the test, all shall default to the disabled state. During an advanced walk test, field-supplied output point programming will react to input stimuli such as CBE and logic equations. When points are activated in advanced test mode, each initiating event shall latch the input. The advanced test shall be audible and shall be used for pull station verification, magnet activated tests on input devices, input and output device and wiring operation/verification.
- b. This test feature is simply intended to provide for certain random spot testing of the system and is not intended to comply with the requirements of testing fire alarm systems in accordance with NFPA 72, as it is impossible to test all of the functions and verify things such as annunciation with only one person.

22. Signaling Line Circuits

- a. Each ILI-MB-E3 module shall provide communication with all analog/addressable (initiation/control) devices via two (2) signaling line circuits. Each signaling line circuit shall be capable of being wired Class B, Style 4 or Class A, Style 6. The circuits shall be capable of operating in an NFPA Style 7 configuration when equipped with isolator modules between each module type device and isolator sensor bases. Each circuit shall communicate with a maximum of ninety-nine (99) analog sensors and ninety-eight (99) addressable monitor/control devices. A unique 40 character identifier shall be available for each device. The devices shall be of the Velocity series with the capability to poll 10 devices at a time with a maximum polling time of 2 seconds when both SLC's are fully loaded.

23. Notification Appliance Circuits

- a. Two (2) independent NAC circuits shall be provided on the ILI-MB, polarized and rated at 2 amperes DC per circuit, individually over current protected and supervised for opens, grounds, and short circuits. They shall be capable of being wired Class B, Style Y, or Class A, Style Z.

24. Alarm Dry Contacts

- a. Alarm dry contacts (Form C) shall be provided and shall be rated 2 amps @ 30 VDC (resistive) and shall transfer whenever a system alarm occurs.

25. Supervisory Dry Contacts

- a. Supervisory dry contacts (Form C) shall be provided and shall be rated 2 amps @ 30 VDC (resistive) and shall transfer whenever a system Supervisory condition occurs.

26. Trouble Dry Contacts

- a. Trouble dry contacts (Form C) shall be provided and shall be rated at 2 amps @ 30 VDC (resistive) and shall transfer whenever a system trouble occurs.

G. Auxiliary Switch Module (ASM-16)

1. Each ASM-16 has sixteen (16) programmable push-button switches.
2. Each push-button switch has three (3) associated status LED's (red, yellow, green), configurable to indicate any combination of functions.
3. Flexible switch configurations to allow flexible set-up of phone, speaker and auxiliary function circuits.
4. An insertable label to identify the function of each switch and LED'S combination.
5. Specialty modules that only perform one task such as Speaker, Phone, or Auxiliary are not acceptable.
6. RPT-E3
 - a. The RPT-E3 provides the capability to communicate with up to 16 ASM-16 modules locally up to 3000 feet from the INCC Command Center.

H. Network Repeater Module

1. The Intelligent Network Interface shall provide interconnection and protection of remote INCC Command Centers and Transponders. The repeater shall regenerate and condition the token passing, 625 k-baud signal between units. The Repeater shall be available in wire, fiber, or wire/fiber configurations as determined by field conditions.
2. Fiber configurations shall utilize "ST" type connectors and be able to operate with up to 200-micron multi-mode fiber, but optimize for 62.5/125. The interface shall have a jumper to allow selection of ground detection of wiring when used in the wire mode. The interface shall have integral LED's to display current status of the board.

I. Supplemental Notification Appliance Circuit (SNAC)

1. The SNAC shall be available in two models (SNAC-6 and SNAC-9) offering either up to 6.0 amps (4.0 amps continuous) or 9.0 amps (6.0 amps continuous) of regulated 24-volt power. It shall include an integral charger designed to charge 7.0 amp hour batteries and to support 60-hour standby.
2. The SNAC shall have two input triggers. The input trigger shall be a Notification Appliance Circuit (from the fire alarm control panel) or a relay.
3. The SNAC shall include an attractive surface mount back box.
4. The SNAC shall include the ability to delay the AC fail delay per 2002 NFPA requirements.
5. The SNAC include power limited circuitry, per UL standards.

2.2 SYSTEM PERIPHERALS

A. Addressable Devices - General

1. Addressable devices shall provide an address-setting means using rotary decimal switches.
2. Addressable devices shall use simple to install and maintain decade (numbered 0 to 9) type address switches by using a standard screwdriver to rotate two dials on the device to set the address. Devices which use a binary address set via dipswitch packages, a handheld device programmer or other special tools for setting the device address are not acceptable.
3. Detectors shall be analog and addressable, and shall connect to the fire alarm control panel's Signaling Line Circuits.
4. Addressable thermal and smoke detectors shall provide dual (2) status LED's. Both LED's shall flash under normal conditions, indicating that the detector is operational and in regular communication with the control panel, and both LED's shall be placed into steady illumination by the control panel, indicating that an alarm condition has been detected. If required, the flashing mode operation of the detector LED's can be programmed off via the fire control panel program.
5. The fire alarm control panel shall permit detector sensitivity adjustment through field programming of the system. Sensitivity can be automatically adjusted by the panel on a time-of-day basis.
6. Using software in the INCC Command Center, detectors shall automatically compensate for dust accumulation and other slow environmental changes that may affect their performance. The detectors shall be listed by UL as meeting the calibrated sensitivity test requirements of NFPA Standard 72, Chapter 2.
7. The detectors shall be ceiling-mount and shall include a separate twist-lock base which includes a tamper proof feature.
8. The following bases and auxiliary functions shall be available:
 - a. Standard base with remote LED output
 - b. Sounder base rated at 85 DBA minimum.
 - c. Form-C Relay base rated 30VDC, 2.0A
 - d. Isolator base
9. The detectors shall provide a test means whereby they will simulate an alarm condition and report that condition to the control panel. Such a test may be initiated at the detector itself (by activating a magnetic switch) or initiated remotely on command from the control panel.
10. Detectors shall also store an internal identifying type code that the control panel shall use to identify the type of device (ION, PHOTO, THERMAL).

B. Addressable Manual Station (MS-7AF)

1. Manual fire alarm stations shall be non-code, non-break glass type, equipped with key lock so that they may be tested without operating the handle.
2. An operated station shall be visually apparent, as operated, at a minimum distance of 100 feet (30.5 m) from the front or side.

3. Stations must be designed such that after an actual activation, they cannot be restored to normal except by key reset.
4. Manual stations shall be constructed of Lexan with clearly visible operating instructions provided on the cover. The word FIRE shall appear on the front of the stations in raised letters, 1.75 inches or larger.
5. Manual stations shall be constructed of high impact Lexan, with operating instructions provided on the cover. The word FIRE shall appear on the manual station in letters one half-inch in size or larger.
6. Addressable manual stations shall, on command from the control panel, send data to the panel representing the state of the manual switch and the addressable communication module status.

C. Intelligent Thermal Detectors

1. Thermal detectors shall be intelligent addressable devices rated at 135 degrees Fahrenheit and have a rate-of-rise element rated at 15 degrees F per minute. It shall connect via two wires to the fire alarm control panel signaling line circuit.

D. Intelligent Multi Criteria Acclimating Detector (ACS-ACCLIMATE) - NOT USED

E. Intelligent Duct Smoke Detector (ADPF)

1. The in-duct smoke detector housing shall utilize an on-board intelligent photoelectric detector, which provides continuous analog monitoring and alarm verification from the panel.
2. When sufficient smoke is sensed, an alarm signal is initiated, and appropriate action taken to shut down or change over air handling systems to help prevent the rapid distribution of toxic smoke and fire gases throughout the areas served by the duct system.
3. Duct smoke detectors which are mounted above a ceiling or otherwise obstructed from normal view shall be provided with a remote alarm indicator.
4. Each detector shall be installed in either the supply side or return side duct in accordance with the requirements of the Local applicable mechanical code. Duct detector shall be provided under this section, and installed by the mechanical contractor.

F. Addressable Dry Contact Monitor Module (AMM-2F)

1. Addressable monitor module shall be provided to connect one supervised IDC zone of conventional alarm initiating devices (any N.O. dry contact device) to one of the fire alarm control panel SLC's.
2. The monitor module shall mount in any standard deep electrical box.
3. The IDC zone shall be suitable for Style B operation.

G. Addressable Dry Contact Monitor Module (AMM-4F) - NOT USED

H. Addressable Dry Contact Monitor Module (AMM-2IF) - NOT USED

I. Addressable Dry Contact Monitor Module (MMI-10F) - NOT USED

J. Two Wire Detector Monitor Module (AMM-4SF) - NOT USED

K. Two Wire Detector Monitor Module (MMI-6SF) - NOT USED

- L. Addressable Control Module (AOM-2SF)
 - 1. Addressable control modules shall be provided to supervise and control the operation of one conventional NAC of compatible, 24 VDC powered, polarized audio/visual notification appliances or UL Listed polarized relays for fan shutdown and other auxiliary control functions.
 - 2. The control module shall mount in a standard 4-inch square 2-1/8-inch deep electrical box, or to a surface mounted back box.
 - 3. The control module NAC may be wired for Style Z or Style Y (Class A/B) with up to 1 amp of inductive signal or 2 amps of resistive signal operation. The relay coil shall be magnetically latched to reduce wiring connection requirements, and to insure that 100% of all auxiliary relay or NAC's may be energized at the same time on the same pair of wires.
- M. Addressable Control Module (MMO-6SF) - NOT USED
- N. Addressable Relay Module (AOM-2RF)
 - 1. Addressable Relay Modules shall be available for HVAC control and other building functions. The relay shall have two (2) form C sets of contacts that operate in tandem and are rated for a minimum of 2.0 Amps resistive or 1.0 Amps inductive. The relay coil shall be magnetically latched to reduce wiring connection requirements, and to insure that 100% of all auxiliary relay or NAC's may be energized at the same time on the same pair of wires.
 - 2. The relay module shall mount in a standard 4-inch square , 2-1/8-inch deep electrical box, or to a surface mounted back box.
- O. Addressable Relay Module (MMO-6RF) - NOT USED
- P. Isolator Module (M500X) - NOT USED
- Q. Sprinkler Waterflow Switches (provided and installed by the sprinkler contractor)
 - 1. Waterflow Switches shall be an integral, mechanical, non-coded, non-accumulative retard type.
 - 2. Waterflow Switches shall have an alarm transmission delay time which is conveniently adjustable from 0 to 60 seconds. Initial settings shall be 30-45 seconds.
 - 3. All waterflow switches shall come from a single manufacturer and series.
 - 4. Waterflow switches shall be provided and connected under this section but installed by the mechanical contractor.
 - 5. Where possible, locate waterflow switches a minimum of one (1) foot from a fitting which changes the direction of the flow and a minimum of three (3) feet from a valve.
- R. Sprinkler and Standpipe Valve Supervisory Switches (provided and installed by the sprinkler contractor):
 - 1. Each sprinkler system water supply control valve riser, zone control valve, and standpipe system riser control valve shall be equipped with a supervisory switch. Standpipe hose valves, and test and drain valves shall not be equipped with supervisory switches.
 - 2. PIV (post indicator valve) or main gate valves shall be equipped with a supervisory switch.

3. The switch shall be mounted so as not to interfere with the normal operation of the valve and adjusted to operate within two revolutions toward the closed position of the valve control, or when the stem has moved no more than one-fifth of the distance from its normal position.
4. The supervisory switch shall be contained in a weatherproof aluminum housing, which shall provide a 3/4-inch conduit entrance and incorporate the necessary facilities for attachment to the valves.
5. The switch housing shall be finished in red baked enamel.
6. The entire installed assembly shall be tamper proof and arranged to cause a switch operation if the housing cover is removed, or if the unit is removed from its mounting.
7. Valve supervisory switches shall be provided and connected under this section and installed by mechanical contractor.

S. Graphic or Matrix Annunciator (uses ANU-48 serial driver board) - NOT USED

T. LCD Display Annunciator Requirements

1. Furnish and install where shown on the plans a remote serial annunciator, model LCD-7100. The annunciator shall provide an 80-character display, which shall duplicate all information on the basic system display including any network nodes its host panel is annunciating, with the exception of menus. It shall also contain the following function keys: Alarm Acknowledge, Trouble Acknowledge, Signal Silence, System Reset/Lamp Test and System Drill Test.
2. The annunciator shall contain a key lock, which will enable the switches only when placed in the "ON" position, with the exception of the Trouble Acknowledge, which is used to silence the local trouble audible sounder. The annunciator shall also contain the following LED's: Alarm, Supervisory, System Trouble, Power Fault, System Silenced.
3. The annunciator shall mount on a standard three-gang surface or flush electrical box.
4. Each ILI-MB-E3 shall accommodate up to five (5) remote LCD-7100 annunciators which can be located up to 3,000 feet from the control panel.

U. Audible Evacuation Horns

1. The horn appliances shall be Wheelock Series AS horn and the horn strobe appliances shall be Wheelock Series AS horn Strobes or approved equals. The horn shall be UL Listed under Standard 464 for Audible Signal Appliances and horns equipped with strobes shall be listed under UL Standard 1971 for Emergency Devices for the Hearing-Impaired. In addition, the strobes shall be certified to meet the requirements of FCC Part 15, Class B and shall incorporate low temperature compensation to ensure the lowest possible current consumption.
2. All horns shall use solid-state components and shall provide field selectable operation with volume control and tone control. All models shall have a peak anechoic sound output of 83 dB at 10 feet and an adjustable frequency range of 800 to 1200 Hz. All inputs shall employ terminals that accept #12 to #18 AWG wire sizes.
3. The strobe portion of the appliance shall produce a flash rate of one (1) flash per second over the Regulated Voltage Range and shall incorporate a Xenon flashtube enclosed in a rugged Lexan® lens. The strobe shall be of low current design. Where Multi- Candela Chime Strobes are specified, the strobe intensity shall have a minimum

of four (4) field selectable settings and shall be rated per UL Standard 1971 at: 15/30/75/110cd or 135/185cd for wall mount and 15/30/75/95cd or 115/177cd for ceiling mount. The selector switch for selecting the candela shall be tamper resistant and not accessible from the front of the appliance. The 1575 candela strobe shall be specified when 15 candela UL Standard 1971 listing with 75 candela on-axis is required (e.g. ADA compliance).

4. When synchronization is required, the strobe portion of the appliance shall be compatible with Wheelock's SM, DSM sync modules or FCI's Snac9 Power Supply with built-in Patented Sync Protocol. The strobes shall not drift out of synchronization at any time during operation. If the sync module or Power Supply fails to operate, (i.e., contacts remain closed), the strobe shall revert to a non-synchronized flash rate.

V. Strobe Devices

1. Strobes shall meet the requirements of the ADA, UL Standard 1971 and shall meet the following criteria:
 - a. The maximum pulse duration shall be 2/10 of one second.
 - b. Strobe intensity shall meet the requirements of UL 1971.
 - c. The flash rate shall meet the requirements of UL 1971.
 - d. Strobe candela rating shall be determined by positioning the selector switch on the back of the device.

PART 3 - EXECUTION

3.1 INSTALLATION:

- A. Installation shall be in accordance with the NFPA 72, NEC, local and state codes, as shown on the drawings, and as recommended by Gamewell-FCI.
- B. All conduit, junction boxes, conduit supports and hangers shall be concealed in finished areas and may be exposed in unfinished areas. Smoke detectors shall not be installed prior to the system programming and test period. If construction is ongoing during this period, measures shall be taken to protect smoke detectors from contamination and physical damage.
- C. All fire detection and alarm system devices, control panels and remote annunciators shall be flush mounted when located in finished areas and may be surface mounted when located in unfinished areas.
- D. Manual stations shall be suitable for surface mounting or semi-flush mounting as shown on the plans, and shall be installed not less than 42 inches, nor more than 48 inches above the finished floor measured to the operating handle.

3.2 TESTING:

- A. Provide the service of a competent, factory-trained technician authorized by Gamewell-FCI to technically supervise and participate during the pre-testing and acceptance testing of the system.
- B. Before energizing the cables and wires, conduct a complete visual inspection of all control panel connections and test wiring for short circuits, ground faults, continuity, and insulation.

- C. Close each sprinkler system control valve and verify proper supervisory alarm at the INCC Command Center.
 - D. Verify activation of all flow switches.
 - E. Open initiating device circuits and verify that the trouble signal actuates.
 - F. Open signaling line circuits and verify that the trouble signal actuates.
 - G. Open and short notification appliance circuits and verify that trouble signal actuates.
 - H. Ground initiating device circuits and verify response of trouble signals.
 - I. Ground signaling line circuits and verify response of trouble signals.
 - J. Ground notification appliance circuits and verify response of trouble signals.
 - K. Check installation, supervision, and operation of all intelligent smoke detectors.
 - L. Each of the alarm conditions that the system is required to detect should be introduced on the system. Verify the proper receipt and the proper processing of the signal at the INCC COMMAND CENTER and the correct activation of the control points.
 - M. When the system is equipped with optional features, the manufacturer's manual should be consulted to determine the proper testing procedures. This is intended to address such items as verifying controls performed by individually addressed or grouped devices, sensitivity monitoring, verification functionality and similar.
- 3.3 ACCEPTANCE TESTING:
- A. Provide the service of a competent, factory-trained technician authorized by Gamewell-FCI to technically supervise and participate during the pre-testing and acceptance testing of the system.
 - B. Before the installation shall be considered completed and acceptable by the AHJ, a complete test using as a minimum, the following scenarios shall be performed and witnessed by a representative approved by the specifying engineer. The monitoring company and/or the fire department must be notified prior to the final test in accordance with local requirements.
 - C. The contractor's job foreman, in the presence of a representative of the manufacturer, a representative of the owner, and the fire department shall operate every installed device to verify proper operation and correct annunciation at the control panel.
 - D. The signaling line circuits and notification appliance circuits shall be opened in at least two (2) locations to verify the presence of supervision.
 - E. When the testing has been completed to the satisfaction of both the contractors job foreman and the representatives of the manufacturer and owner, a notarized letter co-signed by each attesting to the satisfactory completion of said testing shall be forwarded to the owner and the fire department.
 - F. The contractor shall leave the fire alarm system in proper working order, and, without additional expense to the owner, shall replace any defective materials or equipment provided by him under this contract within one year (365 days) from the date of final acceptance by the awarding authority.
- 3.4 INSTRUCTION:
-

- A. Provide instruction for operating the system. Provide (4) two-hour training periods, to be scheduled at the owner's discretion, any time during the three year warranty period. "Hands-on" demonstrations of the operation of all system components and the entire system functions shall be provided.

END OF SECTION

DIVISION 31 – EARTHWORK

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements

31 10 00 – SITE CLEARING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Clearing of plant life and grass, surface rocks and debris.
- B. Removal of minor existing construction within Project area, as indicated on Drawings and as necessary to accomplish the Work, including:
 - 1. Paving.
 - 2. Utilities services, including capping and identification.
- C. Grubbing of root systems of trees and shrubs, abandoned utility lines and structures and other below grade obstructions.
- D. Handling and disposal of debris.
- E. Dewatering of excavations as necessary to control surface and sub-surface water.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION

3.1 MINOR DEMOLITION

- A. Minor Demolition of Site Elements:
 - 1. Use techniques acceptable to authorities having jurisdiction and which will achieve intended results and provide protection of surrounding features to remain.
 - 2. Some items may have been demolished prior to Work of this Contract. Verify existing conditions prior to start of demolition. If items have been demolished contact the Architect.
 - 3. Some items may require postponement of demolition until late in Contract Time period.
 - 4. Phase demolition as necessary to provide adequate interfacing of related Work.
 - 5. Demolish in an orderly and careful manner. Protect existing foundations, retaining walls, utility structures, other structures and finish materials to remain.
- B. Utilities Demolition:
 - 1. Disconnect, remove, and cap designated utility services within demolition areas.

2. Mark location of disconnected utilities. Identify and indicate capping locations on project record drawings.
3. Coordinate cutting and capping sequences and procedures with serving utility and those affected by such activities. Remove utilities in a manner to minimize disturbance of portions to remain.

C. Cutting and Patching: Refer to requirements specified in Section 01 73 29 - Cutting and Patching.

3.2 CLEARING

A. Clearing, General:

1. Clear areas required for access to site and execution of Work.
2. Strip piles of soil, paving base and paving debris. Remove unacceptable materials from site and legally dispose. Contractor shall examine existing site conditions prior to bidding and consult with Owner to establish scope of soil and paving debris removal.

B. Blasting: Use of explosives is not permitted.

C. Vegetation Clearing: Clear only vegetation indicated to be removed.

1. Cut off trunks of trees and shrubs flush with ground or pull out with roots attached.
2. In areas to be grubbed, totally remove root systems during grubbing operation.
3. Outside areas to be grubbed, excavate and remove root systems or apply an herbicide which will not injure new plant materials, as approved by authorities having jurisdiction.

D. Pruning of Trees and Shrubs to Remain:

1. Prune away all dead and broken branches.
2. Trim tree branches to heights and widths as indicated or directed for construction clearance and landscape shaping.
3. Consult with Owner to confirm allowable extent of pruning to preserve and vegetation.
4. Cover temporarily exposed roots with wet burlap and backfill as soon as possible.
5. Coat cut plant surfaces with approved emulsified asphalt plant coating (wound paint).

E. Maintenance of Landscaping to Remain: Irrigate existing landscape plant materials as necessary to maintain health.

F. Removal of Existing Construction and Site Features: Remove all fencing, light standards, power poles and other above-grade existing construction within Work area which are not indicated to remain.

1. Salvage products for disposition as indicated on the Drawings.
2. Completely remove all improvements and other debris, except for those items indicated to remain.
3. Remove below grade improvements at least 12 inches below finish grade and to the extent necessary to not interfere with new construction.

3.3 GRUBBING

- A. Extent of Grubbing: Grubbing shall be performed over entire Work area beneath new construction, paving, surfacing and landscaping and at other such locations where indicated.
- B. Depth of Grubbing: Grubbing shall extend down from original soil surface a minimum of 18 inches, or 18 inches below bottom of footing or slab on grade, whichever is deepest.
- C. Roots, Brush, Grass, Weeds and Other Organic Matter: Completely remove all such matter, including tree and shrub roots which may extend below specified grubbing depth and which may extend beyond grubbing limits.
- D. Inorganic and Metallic Debris:
 - 1. Completely remove all rock, boulders and cobbles greater than 6 inches in any dimension to the minimum grubbing depth.
 - 2. Completely remove all buried organic and metallic debris, and abandoned pipes and buried utility structures, including portions which may extend below minimum grubbing depths and limits.
 - 3. Conditions which are not reflected in information provided to Contractor by Owner, such as geotechnical data, or which are unusual for the geographic area, shall be governed by the provisions of the General Conditions of the Contract for changed conditions.

3.4 DAMAGED VEGETATION

- A. Damaged Vegetation:
 - 1. Neatly prune damaged branches and severed roots.
 - 2. Apply wound paint to above-ground cuts and abrasions.
 - 3. If trees and shrubs indicated to remain are damaged excessively, as determined by Architect or authorities having jurisdiction, remove and replace damaged plants with comparable plants.

3.5 PORTLAND CEMENT CONCRETE PAVING DEMOLITION

- A. Cutting: Make a saw cut at edges of existing concrete to be removed, where portions of existing concrete are indicated to remain.
- B. Cutting Method: Cut at first joint line or marking line adjacent to area to be removed. Cut with abrasive type, water-cooled saw to a minimum depth of 1-1/2 inches. Cut lines straight and square to face of concrete.
- C. Removal: Break concrete and remove debris. Exercise care at cut lines to preserve straight cut.
- D. Disposal: Remove concrete debris from the site.

3.6 ASPHALTIC CONCRETE PAVING DEMOLITION

- A. Cutting: Saw cut paving similar to that specified for portland cement concrete. Pneumatic spade may be used for initial line of cut but final line shall be saw cut.

- B. Aggregate Base: Existing aggregate base may be retained except where landscaping and overexcavation are indicated.
 - C. Disposal: Remove asphaltic concrete debris from the site.
- 3.7 UTILITY LINES, POSTS AND STRUCTURES
- A. Work by Utility: Posts, conductors, guy wires, boxes, structures and equipment shown to be cleared or removed by the responsible utility company or agency shall be considered work under a separate contract.
 - B. Coordination: Contractor shall arrange, schedule and coordinate work by utility companies and agencies.
 - C. Payment: Costs, if any, imposed by utility companies and agencies shall be included in the Contract Sum.
- 3.8 DISPOSAL
- A. Debris Disposal: Dispose of all cleared and grubbed materials in a legal manner off site.
 - B. Hazardous Materials:
 - 1. Immediately notify the Owner should hazardous materials or suspected hazardous materials be encountered.
 - 2. Dispose of such materials in accordance with all applicable laws and regulations and as directed by authorities having jurisdiction.
 - 3. Unforeseen conditions will be resolved in accordance with the Conditions of the Contract.
 - C. Saleable Materials:
 - 1. Unless otherwise indicated, all felled trees from which merchantable lumber or firewood can be produced shall become the property of the Contractor.
 - 2. Unless otherwise indicated, all metallic debris of salvageable value shall become the property of the Contractor.
 - 3. The Contractor shall remove all saleable materials from the site in a timely manner.
 - 4. Sale of salvaged and merchantable materials shall not be done on site.
 - 5. Burial and Burning: Debris shall not be buried or burned on site.
- 3.9 NOISE CONTROL
- A. Noise Control: Comply with applicable noise control regulations of authorities having jurisdiction, including time of day restrictions and muffler requirements on equipment.
- 3.10 DUST AND RUN-OFF CONTROL
- A. Dust and Runoff Control, General: Refer to requirements of General Conditions and Drawings.
 - 1. Promptly, remove waste materials and unacceptable topsoil from site and dispose of materials in a legal manner.

2. Minimize dust during clearing and grubbing to protect adjoining property and vehicles parked in the vicinity.
 3. Control windblown dust.
 4. Prevent erosion and siltation of streets, catch basins and piping.
 5. Prevent accumulation of soil and debris on public thoroughfares from construction activities.
- B. Clean-up: Keep public thoroughfares clear of soiling, siltation, dust and debris by periodic sweeping and washing down, at least daily at the end of working hours.
- C. Surface Run-off Water Control:
1. Minimize flow of ground water from adjacent areas into Work areas.
 2. Do not restrict flow from adjacent properties such that natural flow is hindered.
- D. Dewatering: Dewater site in localized areas as Work progresses.
1. Provide an adequate system to lower and control groundwater in order to permit excavation, construction of structures, and placement of fill materials under dry conditions.
 2. Install sufficient dewatering equipment to pre-drain waterbearing strata above and below bottom of structure foundations, drains, sewers, and other excavations.
 3. Maintain excavations free of standing water.
 4. Provide dewatering 24 hours per day in advance of placement of concrete.
 5. Allow no concrete to be placed in standing water.
 6. Ensure that trenching and excavations do not cave in due to water.
- E. Water Disposal:
1. Dispose of run-off by legal means and as acceptable to authorities having jurisdiction.
 2. Dispose of water removed from excavations in a manner to avoid endangering public health, property, and portions of Work under construction or completed.
 3. Dispose of water in a manner to avoid disruptions to adjacent sites. Dispose of water in a manner to avoid soiling of public thoroughfares and passing vehicles.
 4. Provide sumps, sedimentation tanks, and other flow control devices as required by authorities having jurisdiction.
- 3.11 SALVAGED MATERIALS
- A. Ownership: Unless otherwise indicated, all materials demolished and removed shall become property of Contractor.
- B. Disposal of Materials: Contractor shall haul and dispose of all demolished and removed materials to offsite disposal sites in any legal manner.
1. Except where noted otherwise, immediately remove demolished materials from site.
 2. Promptly remove from the site and properly dispose of all contaminated, vermin infested, or dangerous materials encountered.
 3. Do not burn or bury materials on site.

C. Salvage:

1. Contractor shall take care when removing salvageable material to avoid damaging the material itself and the adjacent or adjoining structures that are to remain.
2. Items of salvageable value to the Contractor shall be removed from the site by the Contractor as the Work progresses and transported from the site as they are removed. Storage or sale of salvaged items on the site by the Contractor will not be permitted.

END OF SECTION

31 20 00 – EARTH MOVING

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Rough grading of the Site in preparation for excavation, trenching, backfilling and compacting Work.
- B. Removal of topsoil and stockpiling for later reuse.
- C. Excavation of subsoil, stockpiling for later reuse, and removal of excess from the site.
- D. Excavations for footings and foundations.
- E. Building perimeter and site structure backfilling, to subgrade elevations.
- F. Filling and backfilling to attain indicated grades, including fill under paving and fill under slabs-on-grade.
- G. Trench excavations and backfilling for utility service lines from building perimeter ("five-foot line") to connections to municipal and site utilities points of connections.
- H. Consolidation and compaction.
- I. Fill for over-excavation.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Select Fill Material: Fill material shall be free of roots, rocks larger than 2 inches, clods larger than 4 inches, debris and large weeds. Fill materials shall swell less than 3 percent when compacted.
 - 1. It is intended that on-site material, free from debris, shall be used for backfill and fill material where possible. Stockpile on-site soil from excavations and grading operations.
 - 2. Supplement on-site soil with suitable imported soil. Imported soil shall be free of detectable amounts of toxic compounds in accordance with requirements of California Environmental Protection Agency, Department of Toxic Substances Control (DTSC).
 - a. Imported soil shall be from a source tested and certified in accordance with requirements of California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) and, specifically, DTSC Preliminary Endangerment Assessment (PEA) Guidance Manual.
 - b. Detectable amounts of compounds of concern within the fill material should be evaluated for risk in accordance with the DTSC Preliminary Endangerment

Assessment (PEA) Guidance Manual. If metal analyses are performed, only those metals (CAM 17 / Title 22) to which risk levels have been assigned need to be evaluated.

- c. Testing and certification shall include compliance with applicable Regional Water Quality Control Board's (RWQCB) guidelines for reuse of non-hazardous petroleum hydrocarbon contaminated soil as applied to Total Petroleum Hydrocarbons (TPH) only. RWQCB guidelines shall not be used for volatile organic compounds (VOCs) or semi-volatile organic compounds (SVOCS).
- d. In addition, standard laboratory data package, including summary of QA/QC (Quality Assurance/Quality Control) sample results, shall accompany all analytical reports.
- e. Recommended Fill Material Sampling Schedule:

1)	Area of Individual Borrow Area	Sampling Requirements
2)	2 acres or less	Minimum of 4 samples
3)	2 to 4 acres	Minimum of 1 sample every 1/2 acre
4)	4 to 10 acres	Minimum of 8 samples
5)	Greater than 10 acres	Minimum of 8 locations with 4 subsamples per location
6)	Volume of Borrow Area Stockpile	Samples per Volume
7)	Up to 1,000 cubic yards	1 sample per 250 cubic yards
8)	1,000 to 5,000 cubic yards	4 samples for first 1000 cubic yards + 1 sample per each additional 500 cubic yards
9)	Greater than 5,000 cubic yards	12 samples for first 5,000 cubic yards + 1 sample per each additional 1,000 cubic yards
- f. Fill documentation shall include detailed information on previous use of land from where fill is taken, whether an environmental site assessment has been performed and, if so, its findings, and results of all testing performed. Documentation shall be signed by appropriately licensed (CA-registered) individual. If such documentation is not available or is inadequate, samples of import fill material shall be chemically analyzed and demonstrated to be in compliance with referenced criteria.
- g. Imported fill material shall be visually distinct from existing on-site material. If not visually distinct, imported fill material shall have small quantity of non-toxic dye added only as necessary to achieve visual distinction.

- B. Bedding Material: Imported fill material shall be visually distinct from existing on-site material re-used as bedding material. If not visually distinct, import material shall have small quantity of non-toxic dye added as necessary to achieve visual distinction.
 - 1. Soil bedding: Comply with requirements specified in Section 300 and Section 306 of the Standard Specifications ("Green Book").
 - 2. Sand bedding: Natural river or bank sand, free of silt, clay, loam, friable or soluble materials, or organic matter, graded in accordance with ANSI/ASTM C 136.

- C. Drainage Fill: Washed, evenly graded mixture of crushed stone, or crushed or uncrushed gravel, ASTM D 448, coarse aggregate grading size 57, with 100 percent passing a 1-1/2-inch sieve and not more than 5 percent passing a No. 8 sieve.
- D. Filtering Material: Evenly graded mixture of natural or crushed gravel or crushed stone and natural sand, with 100 percent passing a 1-1/2-inch sieve and 0 to 5 percent passing a No. 50 sieve.
- E. Impervious Fill: Clayey gravel and sand mixture capable of compacting to a dense state.
 - a. Imported impervious fill shall comply with DTSC requirements as specified above for select fill material.
 - b. Imported impervious fill material shall be visually distinct from existing on-site material re-used as fill material. If not visually distinct, import material shall have small quantity of non-toxic dye added as necessary to achieve visual distinction.
- F. Topsoil: Excavated on-site material, graded free of roots, rocks larger than 1 inch and clods larger than 2 inches, and free of subsoil, roots, grass, excessive amount of weeds, stone and foreign matter, for use in grass and planting areas.
 - a. Imported topsoil shall comply with DTSC requirements as specified above for select fill material.
 - b. Imported topsoil shall be visually distinct from existing on-site topsoil re-used at planting area. If not visually distinct, make imported topsoil distinct through addition of soil amendments and fertilizer prior to placement.
- G. Soil Amendments and Fertilizers: As specified on the drawings.
- H. Detectable Warning Tape: Acid- and alkali-resistant polyethylene film warning tape manufactured for marking and identifying underground utilities, a minimum of 6 inches wide and 4 mils thick, continuously inscribed with a description of the utility, with metallic core encased in a protective jacket for corrosion protection, detectable by metal detector when tape is buried up to 30 inches deep; colored as follows:
 - 1. Red: Electric.
 - 2. Yellow: Gas, oil, steam, and dangerous materials.
 - 3. Orange: Telephone and other communications.
 - 4. Blue: Water systems.
 - 5. Green: Sewer systems.
- I. Shoring and Bracing Materials: Provide all materials and services necessary to properly engineer and construct shoring for excavations. Selection of materials and design of shoring, underpinning and bracing shall be solely the responsibility of the Contractor.
- J. Concrete: Concrete conforming to requirements specified in Section 03 30 00 – Cast-in-Place Concrete with compressive strength of [2000] [2500] psi minimum or as specified in the soils report, except as follows:
 - 1. Concrete used under footings and foundations to correct overexcavation shall be same as for footings and foundation.
 - 2. Concrete used for backfilling of electric utility trenches shall comply with requirements of serving utility.

PART 3 - EXECUTION – NOT USED

END OF SECTION

31 31 16 – TERMITE CONTROL

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Chemical soil poisoning to control subterranean termites.

PART 2 - PRODUCTS

2.1 TERMITICIDE

- A. Specified Manufacturer: Dow Chemical USA, Midland, MA (800/441-4369). Or equal
- B. Acceptable Manufacturers: None identified. Equivalent products of other manufacturers will be considered in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
- C. Termiticide: Dow Dursban TC. Or equal
- D. Environmental Approval: Termiticide shall be currently approved for use by the United States Environmental Protection Agency (EPA) and by state authorities having jurisdiction.

PART 3 - EXECUTION – NOT USED

END OF SECTION

DIVISION 32 – EXTERIOR IMPROVEMENTS

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements.

32 12 16 – ASPHALT PAVING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section 10 14 00 Signage
- C. Section 32 17 23 Pavement Markings.

1.2 SECTION INCLUDES

- A. Asphaltic concrete paving for vehicular traffic and curbs.
- B. Asphaltic concrete paving for playgrounds and play courts.
- C. Patching and repair of existing asphaltic paving for underground utility Work and where damaged by new construction.
- D. Slurry seal over asphaltic concrete surfaces after completion of construction, to restore and seal surfaces.

1.3 REFERENCES

- A. Standard Specifications: Standard Specifications for Public Works Construction ("Green Book"), 1997 Edition, by Joint Cooperative Committee of the Southern California Chapter of the American Public Works Association and the Southern California Districts of the Associated General Contractors of California. Standard Specifications shall be as amended and adopted by the authorities having jurisdiction, including San Diego Regional Supplementary Amendments to the Standard Specifications for Public Works Construction.

1.4 SUBMITTALS

- A. Submit mix design(s) for review.

PART 2 - PRODUCTS

- 2.1 Materials, General: Unless otherwise indicated on the Drawings or specified herein, sub-base, aggregate base and asphaltic concrete paving materials shall comply with Section 200 - Rock Materials and Section 203 - Bituminous Materials, in the Standard Specifications.
- 2.2 Sub-Base Material: Existing or imported materials, Select Subbase in accordance with Standard Specifications, Subsection 200-2.6.
- 2.3 Aggregate Base: Crushed Aggregate Base in accordance with Standard Specifications, Subsection 200-2.2.2.

- 2.4 Asphalt Concrete Materials: Standard Specifications, Subsection 203-6.
- 2.5 Slurry Seal Coat: Emulsion-aggregate slurry, Standard Specifications, Subsection 203-5.
- 2.6 Headers and Stakes: 2x6 nominal preservative treated douglas fir, except at curves provide laminated 1x6 nominal preservative treated douglas fir. Use hot dipped galvanized nails only.

PART 3 - EXECUTION

3.1 ASPHALT PAVING MIXES

- A. Asphalt Paving Mixes: As referenced in Standard Specifications ("Green Book").
 - 1. Base or underlying courses: Standard Specifications, A-AR-4000 or B-AR-4000.
 - 2. Finish course, vehicle traffic areas: Standard Specifications, C2-AR-4000 (Dense Medium).
 - 3. Finish course, playground areas: Standard Specifications, E-AR-4000 (Extra Fine).

3.2 ASPHALTIC CONCRETE PAVING, PATCHING AND REPAIR.

- A. Replace Asphaltic Concrete Paving: Remove existing asphaltic concrete surfacing and underlying base material and replacing removed surfacing and base material with new asphaltic concrete as shown on the Drawings and as specified herein.
 - 1. Exact limits of asphaltic concrete surfacing to be removed and replaced shall be as directed by the Architect.
 - 2. Cut on neat lines with a power-driven saw to minimum depth of 46 mm before removing existing asphaltic concrete paving.
 - 3. Remove surfacing and base without damage to surfacing that is to remain in place. Damage to pavement which is to remain in place shall be repaired to a condition satisfactory to the Architect or damaged pavement shall be removed and replaced with new asphalt concrete if ordered by the Architect. Repairing or removing and replacing pavement damaged outside the indicated limits of pavement shall be at no change in Contract Time and Contract Sum.
 - 4. Removed materials shall be legally disposed of offsite.
 - 5. Material remaining in place, after removing surfacing and base to required depth, shall be graded to plane, watered, and compacted. Finished surface of the remaining material shall not extend above grade indicated on the Drawings.
 - 6. Areas of base material which are low as a result of over excavation shall be filled asphaltic concrete, at no change in Contract Time and Contract Sum.
 - 7. Install new aggregate base and compact new and existing aggregate base as necessary.
 - 8. Place and compact new asphaltic concrete paving as specified elsewhere herein.

- B. Small Area Asphaltic Concrete Placement: Spreading and compacting shall be performed by methods that will produce an asphalt concrete surfacing of uniform smoothness, texture, and density. Use methods and equipment suitable for location, size and configuration of asphaltic concrete paving area.
- C. Crack Repair: Cracks in existing asphalt concrete surfacing shall be prepared and filled with crack sealant and covered with sand.
 - 1. Cracks 6 mm wide and wider in existing asphalt concrete surfacing and shoulders shall be prepared and sealed.
 - 2. Cracks to be filled and adjacent asphalt concrete surfacing shall be cleaned and shall be free of dirt, vegetation, debris and loose sealant. Cleaning shall be done by air blasting. Old sealant which protrudes above the asphalt concrete surfacing shall be completely removed. Routing will not be required.
 - 3. Crack sealant shall be readily handled at ambient temperature, shall be capable of being stored for periods of up to 6 months, shall withstand freeze-thaw cycles and shall contain no volatile organic compounds which may contribute to air pollution. Base material shall remain ductile with aging and provide resiliency under extreme climatic conditions.
 - 4. Immediately following the application of crack sealant material, apply sand on crack sealant material. Sand shall be free from clay or organic material, and 90 percent to 100 percent shall pass a 4.75-mm sieve and not more than 5 percent shall pass a 75-µm sieve. Spread sand uniformly with full coverage of joint sealer.
 - 5. Lightly broom clean completed joint repair to remove loose excessive sand.
 - 6. Within 2 days after application of sealant, sealed cracks that reopen or in which sealant material sags below the surrounding asphalt concrete surfacing shall be resealed.

END OF SECTION

32 13 13 – CONCRETE PAVING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section 10 14 00 Signage
- C. Section 32 17 23 Pavement Markings.

1.2 SECTION INCLUDES

- A. Concrete paving for pedestrian and vehicular traffic.
- B. Portland cement concrete curbs and gutters.
- C. Portland cement concrete sidewalks integral with curbs and gutters.
- D. Repair of portland cement concrete paving.

1.3 REFERENCES

- A. Standard Specifications: Standard Specifications for Public Works Construction ("Green Book"), 1997 Edition, by Joint Cooperative Committee of the Southern California Chapter of the American Public Works Association and the Southern California Districts of the Associated General Contractors of California. Standard Specifications shall be as amended and adopted by the authorities having jurisdiction, including San Diego Regional Supplementary Amendments to the Standard Specifications for Public Works Construction.

1.4 SUBMITTALS

- A. Submit mix design(s) for review.

PART 2 - PRODUCTS

2.1 BASE MATERIALS

- A. Base Material: As specified in Section 31 20 00 – Earth Moving.
- B. Aggregate Base: Where indicated on the Drawings or, if not indicated, Crushed Aggregate Base in accordance with Standard Specifications, Subsection 200-2.2.

2.2 FORM MATERIALS

- A. Forms Materials: Steel or wood, at Contractor's option.
 - 1. Lumber shall be S4S No. 2 or better Douglas fir. At straight forms, use 2x lumber. At curved forms, provide laminated 1x lumber or plywood.
 - 2. Soil forms are not permitted to form paving work.

3. Form materials shall be new. Reuse of forms will not be acceptable.

- B. Formwork: Construct formwork to result in concrete formed the lines, profiles and grades shown on Drawings. Provide adequate bracing in conformance with the general material requirements of Section 03 10 00 - Concrete Forming and Accessories.

2.3 REINFORCEMENT

- A. Reinforcement, General: As indicated on Drawings and specified following. Off-site Work shall comply with Standard Specifications and Standard Details.
- B. Steel Reinforcing Bars, On-Site Work: ASTM A615, Grade 40 or 60, unless otherwise indicated, deformed billet steel bars, clean and free from rust, scale and coatings that would reduce bond. Unless otherwise indicated on the Drawings, provide minimum No. 3 reinforcing bars.
- C. Dowels: Smooth or deformed steel reinforcing bars, as indicated on the Drawings and to work with dowel sleeves specified below.
- D. Dowel Sleeves: Speed Dowel slip-dowel system, as manufactured by Aztec Concrete Accessories, Inc., Fontana, CA (909/829-2765 or 800/531-3355), or equivalent in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements.
1. Sleeves shall be two-piece design, with sleeve to slip over smooth or deformed reinforcing bar and base plate to secure sleeve in form.
 2. Sleeve materials shall be polypropylene plastic.
- E. Supports for Reinforcement: Wire-bar-type chairs, bolsters, bar supports and spacing devices, complying with CRSI Manual of Standard Practice, for spacing, supporting and fastening reinforcing bars and welded wire fabric in place. Provide size and shape as required for strength and support of reinforcement during reinforcement installation and concrete placement.
- F. Tie Wires: 18 gauge minimum, black annealed steel.
- G. Reinforcement Fabrication: To required shapes and dimensions, in accordance with requirements specified in Section 03 20 00 - Concrete Reinforcing, for on-site Work, and in accordance Standard Specifications 201-2 and 303-1.7.3, for off-site Work in public rights-of-way.

2.4 NATURAL COLOR CONCRETE MATERIALS

- A. Concrete Materials, General:
1. Comply with Standard Specifications for site paving.
 2. For exterior slabs on grade, such as trash enclosure slab, comply with requirements specified in Division 3 - Concrete.
- B. Portland Cement: ASTM C150, Type II, unless sulfate resistant Type is determined to be necessary by sulfate content tests performed by Testing Laboratory after grading Work is completed.
- C. Fine and Coarse Aggregates: ASTM C33.

- D. Select Exposed Aggregate: ASTM C33, proprietary mixture as indicated on the Drawings, from single source and selected from within range offered by supplying quarry.
 - E. Curing Compounds for Natural Color Concrete: Non-staining, dissipating resin, conforming to ASTM C 309, Type 1, Class B, translucent, complying with applicable air quality (VOC) regulations.
 - 1. W.R. Meadows Sealtight 1100.
 - 2. L&M Cure R, manufactured by L&M Construction Chemicals, or equal.
 - F. Top Surface Set Retarder: For exposed aggregate concrete, provide one of the following or equivalent product of another manufacturer in accordance with the "or equal" provision specified in Section 01 60 00 - Product Requirements:
 - 1. True Etch Surface Retarder, manufactured by Burke Group, LLC (The).
 - 2. Concrete Surface Retarders, manufactured by Euclid Chemical Co.
 - 3. Lithotex, manufactured by L. M. Scofield Co.
 - 4. Rugasol-S, manufactured by Sika Corporation.
 - G. Water: Clean and not detrimental to concrete.
- 2.5 ACCESSORY MATERIALS
- A. Form Release Compound: Debond Form Coating, manufactured by L&M Construction Chemicals, or equal.
 - B. Bonding Agent: One of the following, or equal.
 - 1. Everbond, manufactured by L&M Construction Chemicals.
 - 2. Weldcrete, manufactured by Larsen Products Corporation.
 - C. Fast-Setting Grout: Formulated for minimum initial set time of 15 minutes and minimum final set time of 25 minutes at 21 deg C.
 - 1. Commercially prepared and pre-packaged, one of the following, at Contractor's option:
 - a. Magnesium phosphate grout, single-component, water-activated or two-component with prepackaged liquid activator.
 - b. Modified high-alumina based grout.
 - c. Hydraulic cement-based grout.
 - 2. Clean, uniformly rounded aggregate filler may be used to extend prepackaged grout. Moisture content of aggregate filler shall not exceed 0.5 percent. Amount of aggregate filler shall not exceed instructions and recommendations of grout manufacturer.
 - D. Expansion Joint Filler, Paving: Deck-O-Foam Expansion Joint Filler manufactured by W.R. Meadows, Inc., or equal, conforming to AASHTO-M-153-84, Type 1 and Type 2, 1/2-inch thick, compatible with joint sealing products.
 - E. Expansion Joint Sealant, Paving: Three-component urethane joint sealant, as specified in Section 07 90 00 - Joint Protection, color to match adjacent concrete color.
 - F. Concrete Sealer: HLQ-125 as manufactured by SINAK Corp., San Diego, CA (619/231-1771), or equal, penetrating sealer that interacts with mineral compounds and siliceous materials in portland cement concrete to produce more dense, non-dusting surface.

- G. curb Drain Penetration Forms: Thru The Curb Drain standard model (no stamping), or equal, size as recommended by manufacturer for drain pipe required.

PART 3 - EXECUTION

3.1 CONCRETE MIXES

- A. Concrete Mix and Delivery Requirements, General: Comply with requirements specified in Section 03 30 00 – Cast-in-Place Concrete.
- B. Concrete Mix for Pedestrian (Sidewalk) Pavements, Natural Color: Standard Specification for Public Works Construction, Section 201-1.1.2 - Class 520-B-2500, with minimum slump of 4 inches, except concrete paving in public rights of way shall be as required authorities having jurisdiction.
- C. Concrete Mix for Trash Enclosure and other Exterior Slabs on Grade, Natural Color: ASTM C94 - Ready-Mixed Concrete, Alternative No. 2, minimum 28 day compressive strength as indicated on Drawings or, if not indicated, 3000 psi. Special inspection is not required.

3.2 PORTLAND CEMENT CONCRETE PAVING CONCRETE REPAIR

- A. Cracked Portland Cement Concrete Repair: Where indicated or directed, remove cracked concrete segments completely and dispose of materials legally off-site.
 - 1. Cut out defective concrete using diamond-bladed saw. Cuts shall be at crack control joints or expansion control joints. Cuts shall be neat and regular.
 - 2. Remove and replace concrete pavement that is broken, damaged, or defective or that does not comply with requirements in this Section.
 - 3. Drill test cores, where directed by Architect, when necessary to determine magnitude of cracks or defective areas. Fill drilled core holes in satisfactory pavement areas with portland cement concrete bonded to pavement with epoxy adhesive.
 - 4. Install new portland cement concrete matching existing finish, including crack control (score) lines.
- B. Portland Cement Concrete Paving Spall Repair: Cut out and patch spalled concrete.
 - 1. Comply with fast-setting grout manufacturer's instructions and recommendations.
 - 2. Match shape and finish of existing concrete to minimize difference in appearance between patched and existing concrete.
- C. Portland Cement Concrete Grinding:
 - 1. Where indicated or directed, and where offsets are greater than 3/8-inch, grind joints between concrete segments level using diamond-bladed grinders specifically produced for concrete grinding.
 - 2. Grind in longitudinal direction of traveled way, for full width of offsetting concrete.
 - 3. Grinding shall begin and end at lines perpendicular to pavement edges and score lines, as applicable. Comply with Architect's directions for orientation.

END OF SECTION

32 17 23 – PAVEMENT MARKINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section 32 12 16 Asphalt Paving.
- C. Section 32 13 13 Concrete Paving.

1.2 SECTION INCLUDES

- A. Painted traffic and parking control markings.
- B. Painted markings at playgrounds, hard courts and other exterior locations.

1.3 SUBMITTALS

- A. Submit paint samples of each color specified on the drawings.

PART 2 - PRODUCTS

2.1 PAVEMENT MARKING PAINT

- A. Paint for Traffic Striping and Marking: Epoxy-fortified vinyl/acrylic water-based paint, formulated specifically for marking traffic lines on asphaltic concrete and portland cement concrete paving, and manufactured for application in compliance with California Air Resources Board (CARB) and local air quality authorities, as applicable.
- B. Abrasive Grit: At wheelchair-accessible parking stalls and other locations with large markings, include abrasive grit for non-slip finish.
- C. Colors, General: Provide standard factory-mixed, quick drying and non-bleeding colors.
 - 1. For parking and traffic control markings, conform to Standard Specifications, as amended and adopted by City or County authority having jurisdiction, and State of California, Department of Transportation (CALTRANS) Traffic Manual, Chapter 6, Markings.
 - 2. For wheelchair accessible parking stall markings, painted lines and markings on pavement shall be 4 inches minimum wide and international blue in color, equal to Color No. 15090 according to Federal Standard 595B.
 - 3. For playground and hardcourt markings, provide colors as indicated on the Drawings.

PART 3 - EXECUTION

- 3.1 Application, General: Using proper masking, stencils and application equipment, apply marking paint at rate recommended by paint manufacturer or approximately one gallon per 150 square feet (equivalent to approximately one gallon for 450 lineal feet of 4-inch wide stripe), whichever is greater.
- 3.2 Traffic Striping: Uniform line width, typically 4 inches unless otherwise indicated, with uniform, straight edges without overspray. Provide reflective materials in striping.
- 3.3 Traffic Directional Markings and Accessibility Logo: Provide minimum of two coats paint. Provide reflective material in traffic directional markings if required by authorities having jurisdiction.
- 3.4 Curbs: Paint full vertical face and first 6 inches of horizontal plane at top of curb or combination curb/paving.
- 3.5 Hatching: Provide hatching in parking areas, including accessible parking stalls, as indicated on Contract Drawings.
- 3.6 Stall Marking:
 - A. Standard and compact stall markings: Markings style and widths as indicated on the Drawings.
 - B. Accessible stalls: Markings as indicated on Drawings and in compliance with California Building Code (CBC) Section 1129B.5.
- 3.7 Tactile Warning Lines: At accessible stalls and path of travel, provide tactile warning lines in compliance with California Building Code (CBC) Section 1133B.8.3 and Section 1133B.8.4.
- 3.8 Abrasive Grit: Broadcast abrasive grit onto wet paint at wheelchair accessible stall markings and other locations with pavement markings more than 6 inches wide.
- 3.9 Playground and Hardcourt Markings: Provide markings as indicated on the Drawings. Apply paint in two coats, allowing minimum 24 hours curing between coats, with each coat at specified application rate.

END OF SECTION

32 31 13 – CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- 1. Galvanized steel tubing
- 2. Chain link fencing
- 3. Gates and supporting hardware.

1.3 REFERENCES

- A. ASTM A392 Specification for Zinc-Coated Steel Chain-Link Fence Fabric
- B. ASTM A780 Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings
- C. ASTM A824 Specification for Metallic-Coated Steel Marcellled Tension Wire for Use With Chain Link
- D. ASTM F552 Standard Terminology Relating to Chain Link Fencing
- E. ASTM F567 Standard Practice for Installation of Chain Link Fence
- F. ASTM F626 Specification for Fence Fittings
- G. ASTM F668 Specification for Polymer Coated Chain Link Fence Fabric
- H. ASTM F900 Specification for Industrial and Commercial Swing Gates
- I. ASTM F934 Specification for Standard Colors for Polymer-Coated Chain Link
- J. ASTM F1083 Specification for Pipe, Steel, Hot-Dipped Zinc-Coated (Galvanized) Welded, for Fence Structures
- K. ASTM F1184 Specification for Industrial and Commercial Horizontal Slide Gates
- L. ASTM F1664 Specification for Poly (Vinyl Chloride) (PVC) and Other Conforming Organic Polymer-Coated Steel Tension Wire Used with Chain-Link Fence
- M. STM F2200 Specification for Automated Vehicular Gate Construction
- N. UL325 Automatic operators: Door, Drapery, Gate, Louver and Window

1.4 SUBMITTALS

- A. Shop drawings: Site plan showing layout of fence location with dimensions, location of gates and opening size, cleared area, elevation of fence, gates, footings and details of attachments.

- B. Certifications: Manufacturers material certifications in compliance with the current ASTM specifications.
- C. Material samples: One 12" x 12" sample of each type of chain link fabric and windscreen fabric.

1.5 QUALITY ASSURANCE

- A. Manufacturer: Company headquartered in the United States having U.S. manufacturing facility/facilities specializing in manufacturing chain link fence products with at least 5 years of experience.
- B. Fence contractor: Company with demonstrated successful experience installing similar projects and products in accordance with ASTM F567 and have at least 5 years of experience in accordance with the provisions of Section 01 43 23.
- C. Tolerances: Current published edition of ASTM specifications tolerances apply. ASTM specification tolerances supersede any conflicting tolerance.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Delivery: Deliver products to site per the requirements of Section 01 65 00.
- B. Storage: Store and protect products off the ground when required, Section 01 66 00

PART 2 - PRODUCTS

2.1 CHAIN LINK FENCING

- A. Chain Link Fencing, General: Comply with CLFMI Product Manual and the following material requirements. Fence height shall be as indicated on the Drawings.
- B. Galvanized Steel Chain Link Fabric: Helically wound and woven in diamond mesh. Provide fabric fabricated in one-piece widths for fencing in height of 12 feet (3.6 m) and less.
 - 1. Size: 2-inch mesh opening, 11 gauge (0.120-inch) wire.
 - 2. Zinc-Coated (Galvanized) Fabric: ASTM A 392, with zinc coating applied to steel wire before weaving, with minimum coating weight of not less than 1.2 oz./sq. ft. of uncoated wire surface (ASTM A 392, Class 1).
 - 3. Fabric Selvage: Knuckle at top and bottom.
- C. Vinyl-coated Chain Link Fabric: Helically wound and woven in diamond mesh. Provide fabric fabricated in one-piece widths for fencing in height of 12 feet (3.6 m) and less.
 - 1. Size: 2-inch mesh opening, 11 gauge (0.120-inch) core wire.
 - 2. Zinc-Coated (Galvanized) Fabric: ASTM A 392, with zinc coating applied to steel wire before weaving, with minimum coating weight of not less than 1.2 oz./sq. ft. of uncoated wire surface (ASTM A 392, Class 1).
 - 3. Vinyl coating:
 - a. Class 2 Extruded or fused and adheared.
 - b. Color: Black unless otherwise noted on drawings.

4. Fabric Selvage: Knuckle at top and bottom.
 - D. Steel Framework, General: Comply with material size requirements of CLFMI Product Manual requirements for Light Industrial Fences.
 1. Comply with ASTM F 1083 for line, end, corner, and pull posts and for top, bottom, intermediate and brace rails.
 2. Comply with ASTM F 900 for gate posts.
 - E. Round steel pipe and rail: Schedule 40 standard weight pipe, in accordance with ASTM F1083, 1.8 oz/ ft² hot dip galvanized zinc exterior and 1.8 oz/ft² hot dip galvanized zinc interior coating. Regular Grade: Minimum steel yield strength 30,000 psi. Provide sizes listed below unless otherwise noted on the drawings.
 1. Line posts: 4.0 inches O.D.
 2. End, Corner, Pull post: same as line posts.
 3. Top, brace, bottom and intermediate rails: 1-5/8" O.D.
- 2.2 FITTINGS
- A. Fittings Material: Comply with ASTM F 626, hot-dip galvanized pressed steel or cast-iron fence fittings and accessories with at least 1.2 oz. zinc per sq. ft. as determined by ASTM A 90.
 - B. Bottom and Center Rail Fittings: Provide manufacturer's standard galvanized steel or cast iron expansion-type couplings, approximately 6 inches long, for each joint. Provide means for attaching top rail securely to each gate corner, pull and end post.
 - C. Post and Line Caps: Provide weathertight closure cap for each post. Provide line post caps with loop to receive tension wire or top rail.
 - D. Post Brace Assembly: Manufacturer's standard adjustable brace at end and gate posts and at both sides of corner and pull posts, with horizontal brace located at mid-height of fabric.
 1. Use same material as top rail for brace, and truss to line posts with 5/16-inch diameter rod and adjustable tightener.
 2. Provide manufacturers standard galvanized steel or cast iron cap for each end.
- 2.3 CHAIN LINK FENCE GATES AND HARDWARE FITTINGS
- A. Gates, General: Fabricate perimeter frames of gates from same material and finish as fence framework. Assemble gate frames by welding. Provide horizontal and vertical members to ensure proper gate operation and attachment of fabric, hardware, and accessories. Space frame members maximum of 8 feet apart unless otherwise indicated.
 - B. Swing Gates: Comply with ASTM F 900.
 1. Steel framing: Gates up to 8 feet wide:
 - a. Up to 7 Feet High: Fabricate perimeter frames of 1.660-inch minimum OD Type I steel pipe with weight of zinc-coating not less than 1.20 ounces per square foot.
 - b. Over 7 Feet High: Fabricate perimeter frames of 1.90-inch minimum OD Type I steel pipe with weight of zinc-coating not less than 1.20 ounces per square foot.

- c. Gate hardware provisions: Provide fabricated steel lockset enclosure on gate and strike enclosure on post, as indicated on the Drawings.
- 2. Fabric: Provide same fabric as for fence unless otherwise indicated. Secure fabric at vertical edges with tension bars and bands and to top and bottom of frame with tie wires.
- 3. Bracing: On gates wider than 4 feet, provide diagonal cross-bracing consisting of 5/16-inch-diameter adjustable-length truss rods on gates to ensure frame rigidity without sag or twist.
- 4. Hardware: Provide galvanized hardware and accessories for each gate according to the following:
 - a. Hinges: Size and material to suit gate size, non-lift-off type, offset to permit 180-degree gate opening. Provide 1-1/2 pair of hinges for each leaf over 6-foot nominal height.
 - b. Latch: Forked type or plunger-bar type to permit operation from either side of gate, with padlock eye as an integral part of latch.
- C. Gate Hardware, Typical:
 - 1. Latches, hinges, stops, keepers and accessories: As standard with manufacturer to suit gate size, zinc-coated steel, with weight of zinc-coating not less than 2.0 ounces per square foot.
 - 2. Hinges: Non-lift-off type, offset to permit 180-degree gate opening. Provide 1-1/2 pair of hinges for each leaf over 6-foot nominal height.
 - 3. Latches, single leaf: Forked type or plunger-bar type to permit operation from either side of gate, with padlock eye as an integral part of latch.
 - 4. Latches, double leaf: Forked gate latch assembly. 1/2-inch drop rod/fork with padlock eye as integral part of latch. Two guides welded to gate frame.
- D. Gate Hardware, Gates in Path of Travel: As indicated on the Drawings and as specified in Section 08 70 00 - Hardware. If not indicated, provide hardware as follows:
 - 1. Swing gate hardware: For gates in path of travel, comply with exit door requirements (CBC Section 1003.3.2).
 - a. Provide hardware that does not require pinching, grasping or twisting motion to operate and provide solid kick plates 10 inches minimum high, 3 inches maximum from the paving on both sides of gate.
 - b. Provide exit device (panic hardware) as indicated on the Drawings. Unlatching force for exit devices shall not exceed 15 pounds applied in the direction of travel, in compliance with UBC Standard 10-4.
 - c. Exit devices shall comply with CBC Section 1003.3.1.9.
 - d. Provide hardware of stainless steel or zinc-coated steel, with weight of zinc-coating not less than 2.0 ounces per square foot.
 - 2. Swing gate hinges: Weld-on type, butt hinge, heavy-weight, galvanized steel.
 - 3. Lockset for swing gate: Conventional swing door lockset equivalent to Sargent 30 Series cylindrical lockset, stainless steel finish and interior components suitable for exterior exposure, lever handle design to match handles used in building, storeroom

lock function (exterior lever always fixed, interior lever always operable), for mounting in special fabricated lockset enclosure on chain link gate. Provide strike box and strike for installation in special fabricated strike enclosure on strike-side gate post. Refer to Drawings for details.

E. Horizontal Sliding Gates: Comply with ASTM F 1184.

1. Steel framing: Fabricate perimeter frames of 1.90-inch minimum OD Type I steel pipe.
2. Fabric: Provide same fabric as for fence unless otherwise indicated. Secure fabric at vertical edges with tension bars and bands and to top and bottom of frame with tie wires.
3. Bracing: On gates wider than 4 feet, provide diagonal cross-bracing consisting of 5/16-inch-diameter adjustable-length truss rods on gates to ensure frame rigidity without sag or twist.
4. Track:
 - a. New construction: V-track with j-bolts for anchorage into concrete.
 - b. Existing concrete base: V-track on 1/4-inch x 4-inch steel plate (ASTM A 36) with weight of zinc-coating not less than 2.0 ounces per square foot. Provide 1/2-inch anchor holes at 18 inches on alternating sides of track.

2.4 CHAIN LINK FENCE ACCESSORIES

A. Wire:

1. Tension wire: 7 gauge (0.177-inch) marcelled tension wire complying with ASTM A 824, Coating Type II zinc, Class 4, with a minimum coating weight of 1.20 oz. per sq. ft. of uncoated wire surface.
2. Tie wire and Hog Rings: 9 gauge (0.148-inch) galvanized steel with a minimum of 1.20 oz. per sq. ft. of zinc coating to match fabric wire in compliance with ASTM F626.
3. Match type and color of vinyl coating if the chain link fabric is vinyl coated.

B. Tension or Stretcher Bars: Hot-dip galvanized steel with a minimum length 2 inches less than the full height of fabric, a minimum cross section of 3/16-inch by 3/4-inch, and a minimum of 1.2 oz. of zinc coating per sq. ft. Provide one bar for each gate and end post, and two for each corner and pull post, except where fabric is integrally woven into the post.

C. Tension and Brace Bands: 3/4-inch wide minimum hot-dip galvanized steel with a minimum of 1.20 oz. of zinc coating per sq. ft.

1. Tension Bands: 0.074-inch thick (14 gauge) minimum.
2. Brace Bands: 0.105-inch thick (12 gauge) minimum.

D. Terminal Post Caps, Line Post Loop Tops, Rail and Brace Ends, Boulevard Clamps, Rail Sleeves: In compliance to ASTM F626, pressed steel galvanized after fabrication having a minimum zinc coating of 1.20 oz/ft².

E. Concrete: For fence post base, ASTM C 94, 3,500 psi compressive strength at 28 days, using 3/4-inch maximum size aggregate and complying with general requirements specified in Section 03 30 00 – Cast-in-Place Concrete. Site mixed concrete will be acceptable.

1. Mix materials to obtain concrete with a minimum 28-day compressive strength of 3,500 psi.

2. Use at least 4 sacks of cement per cu. yd., 1 inch maximum size aggregate, maximum 3-inch slump, and 2 to 4 percent entrained air.
- F. Other Fencing Accessories: Provide other pressed steel or cast iron accessories and fencing items necessary for a complete installation as required by Project conditions and as recommended by fencing manufacturer.

PART 3 - EXECUTION

3.1 FRAMEWORK INSTALLATION

- A. Posts: Posts shall be set plumb in concrete footings in accordance with ASTM F567.
- B. Top rail: When specified, install 21 ft. lengths of rail continuous thru the line post or barb arm loop top. Splice rail using top rail sleeves minimum 6 in. long. Rail shall be secured to the terminal post by a brace band and rail end. Bottom rail or intermediate rail shall be field cut and secured to the line posts using boulevard clamps or brace band with rail end. Fences 12 feet high or higher require mid rail.
- C. Terminal posts: End, corner, pull and gate posts shall be braced and trussed for fence 6 ft. and higher and for fences 5 ft. in height not having a top rail. The horizontal brace rail and diagonal truss rod shall be installed in accordance with ASTM F567.
- D. Tension wire: Shall be installed 4 in. up from the bottom of the fabric. Fences without top rail shall have a tension wire installed 4 in. down from the top of the fabric. Tension wire to be stretched taut, independently and prior to the fabric, between the terminal posts and secured to the terminal post using a brace band. Secure the tension wire to each line post with a tie wire

3.2 CHAIN LINK FABRIC INSTALLATION

- A. Chain Link Fabric: Install fabric to outside of the framework. Attach fabric to the terminal post by threading the tension bar through the fabric; secure the tension bar to the terminal post with tension bands and 5/16 in. carriage bolts spaced no greater than 12 inches on center. Small mesh fabric less than 1 in., attach to terminal post by sandwiching the mesh between the post and a vertical 2 in. wide by 3/16 in. galvanized steel strap using carriage bolts, bolted thru the bar, mesh and post spaced 15 in. on center. Chain link fabric to be stretched taut free of sag. Fabric to be secured to the line post with tie wires spaced no greater than 12 inches on center and to horizontal rail spaced no greater than 18 inches on center. Secure fabric to the tension wire with hog rings spaced no greater than 18 inches on center.
- B. Tie wire shall be wrapped 360 degrees around the post or rail and the two ends twisted together three full turns. Excess wire shall be cut off and bent over to prevent injury. The installed fabric shall have a ground clearance on no more than 3/4 inches.

3.3 GATE INSTALLATION

- A. Swing Gates: Installation of swing gates and gateposts in compliance with ASTM F 567. Gates shall be plumb in the closed position. Hinge offset opening space shall be no greater than 1-3/4 in. in the closed position. Latch offset opening space shall be no greater than 1/4 in. in the closed position. Double gate drop bar receivers shall be set in a concrete footing minimum 6 in. diameter 24 in. deep. Gate leaf holdbacks shall be installed for all double

gates. Electrically operated gates must be manufactured and installed in compliance with ASTM F2200 and UL 325.

- B. Horizontal Slide Gates: Installation varies by design and manufacturer, install according to manufacturer's instructions and in accordance with ASTM F567. Gates shall be plum in the closed position, installed to slide with an initial pull force no greater than 40 lbs. Double gate drop bar receivers to be installed in a concrete footing minimum 6 in. diameter, 24 in. deep. Roller guards and guide posts must be installed on Type I external roller cantilever slide gate in compliance with ASTM F1184. Ground clearance shall not exceed 3 in., grade permitting. Electrically operated gate installation must conform to ASTM F2200 and UL 325.

3.4 NUTS AND BOLTS

- A. Bolts: Carriage bolts used for fittings shall be installed with the head on the secure side of the fence. All bolts shall be peened over to prevent removal of the nut.

3.5 ELECTRICAL GROUNDING

- A. Grounding: Grounding of the fence and gates is not the responsibility of the fence contractor and not included in the fencing scope of work for this contract. Grounding, when required, shall be specified and included in Division 26 Electrical. A licensed electrical contractor shall install grounding when required.

3.6 CLEAN UP

- A. The area of the fence line shall be left neat and free of any debris caused by the installation of the fence.

END OF SECTION

32 31 13.26 – TENNIS COURT FENCES AND GATES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- 1. Galvanized steel tubing
- 2. Chain link fencing
- 3. Gates and supporting hardware.

1.3 REFERENCES

- A. ASTM A392 Specification for Zinc-Coated Steel Chain-Link Fence Fabric
- B. ASTM A780 Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings
- C. ASTM A824 Specification for Metallic-Coated Steel Marcellled Tension Wire for Use With Chain Link
- D. ASTM F552 Standard Terminology Relating to Chain Link Fencing
- E. ASTM F567 Standard Practice for Installation of Chain Link Fence
- F. ASTM F626 Specification for Fence Fittings
- G. ASTM F668 Specification for Polymer Coated Chain Link Fence Fabric
- H. ASTM F900 Specification for Industrial and Commercial Swing Gates
- I. ASTM F934 Specification for Standard Colors for Polymer-Coated Chain Link
- J. ASTM F1083 Specification for Pipe, Steel, Hot-Dipped Zinc-Coated (Galvanized) Welded, for Fence Structures
- K. ASTM F1184 Specification for Industrial and Commercial Horizontal Slide Gates
- L. ASTM F1664 Specification for Poly (Vinyl Chloride) (PVC) and Other Conforming Organic Polymer-Coated Steel Tension Wire Used with Chain-Link Fence
- M. STM F2200 Specification for Automated Vehicular Gate Construction
- N. UL325 Automatic operators: Door, Drapery, Gate, Louver and Window

1.4 SUBMITTALS

- A. Shop drawings (1 set): site plan showing layout of fence location with dimensions, location of gates and opening size, cleared area, elevation of fence, gates, footings and details of attachments.

- B. Certifications: one copy of the manufacturers material certifications in compliance with the current ASTM specifications.
 - C. Manufacturers specifications: one copy of the manufacturers specifications for the windscreen.
 - D. Material samples:
 - 1. Chain Link Fabric: one 12-inch x 12-inch sample of each type of chain link fabric used.
 - 2. Windscreen: one 12-inch x 12-inch sample of each type of windscreen used.
- 1.5 QUALITY ASSURANCE
- A. Manufacturer: Company headquartered in the United States having U.S. manufacturing facility/facilities specializing in manufacturing chain link fence products with at least 5 years of experience.
 - B. Fence contractor: Company with demonstrated successful experience installing similar projects and products in accordance with ASTM F567 and have at least 5 years of experience in accordance with the provisions of Section 01 43 23.
 - C. Tolerances: Current published edition of ASTM specifications tolerances apply. ASTM specification tolerances supersede any conflicting tolerance.

PART 2 - PRODUCTS

2.1 CHAIN LINK FENCING

- A. Chain Link Fencing, General: Comply with CLFMI Product Manual and the following material requirements. Fence height shall be as indicated on the Drawings.
- B. Galvanized Steel Chain Link Fabric: Helically wound and woven in diamond mesh. Provide fabric fabricated in one-piece widths for fencing in height of 12 feet (3.6 m) and less.
 - 1. Size: 1-3/4 -inch mesh opening, 9 gauge (0.148-inch) wire.
 - 2. Zinc-Coated (Galvanized) Fabric: ASTM A 392, with zinc coating applied to steel wire before weaving, with minimum coating weight of not less than 1.2 oz./sq. ft. of uncoated wire surface (ASTM A 392, Class 1).
 - 3. Fabric Selvage: Knuckle at top and bottom.
- C. Vinyl-coated Chain Link Fabric: Helically wound and woven in diamond mesh. Provide fabric fabricated in one-piece widths for fencing in height of 12 feet (3.6 m) and less.
 - 1. Size: 1-3/4-inch mesh opening, 9 gauge (0.148-inch) core wire.
 - 2. Zinc-Coated (Galvanized) Fabric: ASTM A 392, with zinc coating applied to steel wire before weaving, with minimum coating weight of not less than 1.2 oz./sq. ft. of uncoated wire surface (ASTM A 392, Class 1).
 - 3. Vinyl coating:
 - a. Class 2 Extruded or fused and adheared.
 - b. Color: Black unless otherwise noted on drawings.
 - 4. Fabric Selvage: Knuckle at top and bottom.

- D. Steel Framework, General: Comply with material size requirements of CLFMI Product Manual requirements for Light Industrial Fences.
 - 1. Comply with ASTM F 1083 for line, end, corner, and pull posts and for top, bottom, intermediate and brace rails.
 - 2. Comply with ASTM F 900 for gate posts.
- E. Round steel pipe and rail: Schedule 40 standard weight pipe, in accordance with ASTM F1083, 1.8 oz/ ft² hot dip galvanized zinc exterior and 1.8 oz/ft² hot dip galvanized zinc interior coating. Regular Grade: Minimum steel yield strength 30,000 psi. Provide sizes listed below unless otherwise noted on the drawings.
 - 1. Line posts: 4.0 inches O.D.
 - 2. End, Corner, Pull post: same as line posts.
 - 3. Top, brace, bottom and intermediate rails: 1-5/8" O.D.

2.2 FITTINGS

- A. Fittings Material: Comply with ASTM F 626, hot-dip galvanized pressed steel or cast-iron fence fittings and accessories with at least 1.2 oz. zinc per sq. ft. as determined by ASTM A 90.
- B. Bottom and Center Rail Fittings: Provide manufacturer's standard galvanized steel or cast iron expansion-type couplings, approximately 6 inches long, for each joint. Provide means for attaching top rail securely to each gate corner, pull and end post.
- C. Post and Line Caps: Provide weathertight closure cap for each post. Provide line post caps with loop to receive tension wire or top rail.
- D. Post Brace Assembly: Manufacturer's standard adjustable brace at end and gate posts and at both sides of corner and pull posts, with horizontal brace located at mid-height of fabric.
 - 1. Use same material as top rail for brace, and truss to line posts with 5/16-inch diameter rod and adjustable tightener.
 - 2. Provide manufacturers standard galvanized steel or cast iron cap for each end.

2.3 CHAIN LINK FENCE GATES AND HARDWARE FITTINGS

- A. Gates, General: Fabricate perimeter frames of gates from same material and finish as fence framework. Assemble gate frames by welding. Provide horizontal and vertical members to ensure proper gate operation and attachment of fabric, hardware, and accessories. Space frame members maximum of 8 feet apart unless otherwise indicated.
- B. Swing Gates: Comply with ASTM F 900.
 - 1. Steel framing: Gates up to 8 feet wide:
 - a. Up to 7 Feet High: Fabricate perimeter frames of 1-5/8-inch minimum OD Type I steel pipe with weight of zinc-coating not less than 1.20 ounces per square foot.
 - b. Over 7 Feet High: Fabricate perimeter frames of 1-7/8-inch minimum OD Type I steel pipe with weight of zinc-coating not less than 1.20 ounces per square foot.
 - c. Gate hardware provisions: Provide fabricated steel lockset enclosure on gate and strike enclosure on post, as indicated on the Drawings.

2. Fabric: Provide same fabric as for fence unless otherwise indicated. Secure fabric at vertical edges with tension bars and bands and to top and bottom of frame with tie wires.
 3. Bracing: On gates wider than 4 feet, provide diagonal cross-bracing consisting of 5/16-inch-diameter adjustable-length truss rods on gates to ensure frame rigidity without sag or twist.
 4. Hardware: Provide galvanized hardware and accessories for each gate according to the following:
 - a. Hinges: Size and material to suit gate size, non-lift-off type, offset to permit 180-degree gate opening. Provide 1-1/2 pair of hinges for each leaf over 6-foot nominal height.
 - b. Latch: Forked type or plunger-bar type to permit operation from either side of gate, with padlock eye as an integral part of latch.
- C. Gate Hardware, Typical:
1. Latches, hinges, stops, keepers and accessories: As standard with manufacturer to suit gate size, zinc-coated steel, with weight of zinc-coating not less than 2.0 ounces per square foot.
 2. Hinges: Non-lift-off type, offset to permit 180-degree gate opening. Provide 1-1/2 pair of hinges for each leaf over 6-foot nominal height.
 3. Latches, single leaf: Forked type or plunger-bar type to permit operation from either side of gate, with padlock eye as an integral part of latch.
 4. Latches, double leaf: Forked gate latch assembly. 1/2-inch drop rod/fork with padlock eye as integral part of latch. Two guides welded to gate frame.
- D. Gate Hardware, Gates in Path of Travel: As indicated on the Drawings and as specified in Section 08 70 00 - Hardware. If not indicated, provide hardware as follows:
1. Swing gate hardware: For gates in path of travel, comply with exit door requirements (CBC Section 1003.3.2).
 - a. Provide hardware that does not require pinching, grasping or twisting motion to operate and provide solid kick plates 10 inches minimum high, 3 inches maximum from the paving on both sides of gate.
 - b. Provide exit device (panic hardware) as indicated on the Drawings. Unlatching force for exit devices shall not exceed 15 pounds applied in the direction of travel, in compliance with UBC Standard 10-4.
 - c. Exit devices shall comply with CBC Section 1003.3.1.9.
 - d. Provide hardware of stainless steel or zinc-coated steel, with weight of zinc-coating not less than 2.0 ounces per square foot.
 2. Swing gate hinges: Weld-on type, butt hinge, heavy-weight, galvanized steel.
 3. Lockset for swing gate: Conventional swing door lockset equivalent to Sargent 30 Series cylindrical lockset, stainless steel finish and interior components suitable for exterior exposure, lever handle design to match handles used in building, storeroom lock function (exterior lever always fixed, interior lever always operable), for mounting in special fabricated lockset enclosure on chain link gate. Provide strike box and strike

for installation in special fabricated strike enclosure on strike-side gate post. Refer to Drawings for details.

- E. Horizontal Sliding Gates: Comply with ASTM F 1184.
 - 1. Steel framing: Fabricate perimeter frames of 1.90-inch minimum OD Type I steel pipe.
 - 2. Fabric: Provide same fabric as for fence unless otherwise indicated. Secure fabric at vertical edges with tension bars and bands and to top and bottom of frame with tie wires.
 - 3. Bracing: On gates wider than 4 feet, provide diagonal cross-bracing consisting of 5/16-inch-diameter adjustable-length truss rods on gates to ensure frame rigidity without sag or twist.
 - 4. Track:
 - a. New construction: V-track with j-bolts for anchorage into concrete.
 - b. Existing concrete base: V-track on 1/4-inch x 4-inch steel plate (ASTM A 36) with weight of zinc-coating not less than 2.0 ounces per square foot. Provide 1/2-inch anchor holes at 18 inches on alternating sides of track.

2.4 CHAIN LINK FENCE ACCESSORIES

- A. Wire:
 - 1. Tension wire: 7 gauge (0.177-inch) marcelled tension wire complying with ASTM A 824, Coating Type II zinc, Class 4, with a minimum coating weight of 1.20 oz. per sq. ft. of uncoated wire surface.
 - 2. Tie wire and Hog Rings: 9 gauge (0.148-inch) galvanized steel with a minimum of 1.20 oz. per sq. ft. of zinc coating to match fabric wire in compliance with ASTM F626.
 - 3. Match type and color of vinyl coating if the chain link fabric is vinyl coated.
- B. Tension or Stretcher Bars: Hot-dip galvanized steel with a minimum length 2 inches less than the full height of fabric, a minimum cross section of 3/16-inch by 3/4-inch, and a minimum of 1.2 oz. of zinc coating per sq. ft. Provide one bar for each gate and end post, and two for each corner and pull post, except where fabric is integrally woven into the post.
- C. Tension and Brace Bands: 3/4-inch wide minimum hot-dip galvanized steel with a minimum of 1.20 oz. of zinc coating per sq. ft.
 - 1. Tension Bands: 0.074-inch thick (14 gauge) minimum.
 - 2. Brace Bands: 0.105-inch thick (12 gauge) minimum.
- D. Terminal Post Caps, Line Post Loop Tops, Rail and Brace Ends, Boulevard Clamps, Rail Sleeves: In compliance to ASTM F626, pressed steel galvanized after fabrication having a minimum zinc coating of 1.20 oz/ft².
- E. Concrete: For fence post base, ASTM C 94, 3,500 psi compressive strength at 28 days, using 3/4-inch maximum size aggregate and complying with general requirements specified in Section 03 30 00 – Cast-in-Place Concrete. Site mixed concrete will be acceptable.
 - 1. Mix materials to obtain concrete with a minimum 28-day compressive strength of 3,500 psi.

2. Use at least 4 sacks of cement per cu. yd., 1 inch maximum size aggregate, maximum 3-inch slump, and 2 to 4 percent entrained air.

- F. Other Fencing Accessories: Provide other pressed steel or cast iron accessories and fencing items necessary for a complete installation as required by Project conditions and as recommended by fencing manufacturer.

2.5 WINDSCREENS

- A. Windscreen: Royale T5021B or Durascreen T5420B as supplied by Sportsmaster or equal.
- B. Weight: .08 lbs/sq. ft.
- C. Color: Black

PART 3 - EXECUTION

3.1 FRAMEWORK INSTALLATION

- A. Posts: Posts shall be set plumb in concrete footings in accordance with ASTM F567.
- B. Top rail: When specified, install 21 ft. lengths of rail continuous thru the line post or barb arm loop top. Splice rail using top rail sleeves minimum 6 in. long. Rail shall be secured to the terminal post by a brace band and rail end. Bottom rail or intermediate rail shall be field cut and secured to the line posts using boulevard clamps or brace band with rail end. Fences 12 feet high or higher require mid rail.
- C. Terminal posts: End, corner, pull and gate posts shall be braced and trussed for fence 6 ft. and higher and for fences 5 ft. in height not having a top rail. The horizontal brace rail and diagonal truss rod shall be installed in accordance with ASTM F567.
- D. Tension wire: Shall be installed 4 in. up from the bottom of the fabric. Fences without top rail shall have a tension wire installed 4 in. down from the top of the fabric. Tension wire to be stretched taut, independently and prior to the fabric, between the terminal posts and secured to the terminal post using a brace band. Secure the tension wire to each line post with a tie wire

3.2 CHAIN LINK FABRIC INSTALLATION

- A. Chain Link Fabric: Install fabric to outside of the framework. Attach fabric to the terminal post by threading the tension bar through the fabric; secure the tension bar to the terminal post with tension bands and 5/16 in. carriage bolts spaced no greater than 12 inches on center. Small mesh fabric less than 1 in., attach to terminal post by sandwiching the mesh between the post and a vertical 2 in. wide by 3/16 in. galvanized steel strap using carriage bolts, bolted thru the bar, mesh and post spaced 15 in. on center. Chain link fabric to be stretched taut free of sag. Fabric to be secured to the line post with tie wires spaced no greater than 12 inches on center and to horizontal rail spaced no greater than 18 inches on center. Secure fabric to the tension wire with hog rings spaced no greater than 18 inches on center.
- B. Tie wire shall be wrapped 360 degrees around the post or rail and the two ends twisted together three full turns. Excess wire shall be cut off and bent over to prevent injury. The installed fabric shall have a ground clearance on no more than 3/4 inches.

3.3 GATE INSTALLATION

- A. Swing Gates: Installation of swing gates and gateposts in compliance with ASTM F 567. Gates shall be plumb in the closed position. Hinge offset opening space shall be no greater than 1-3/4 in. in the closed position. Latch offset opening space shall be no greater than 1/4 in. in the closed position. Double gate drop bar receivers shall be set in a concrete footing minimum 6 in. diameter 24 in. deep. Gate leaf holdbacks shall be installed for all double gates. Electrically operated gates must be manufactured and installed in compliance with ASTM F2200 and UL 325.
- B. Horizontal Slide Gates: Installation varies by design and manufacturer, install according to manufacturer's instructions and in accordance with ASTM F567. Gates shall be plum in the closed position, installed to slide with an initial pull force no greater than 40 lbs. Double gate drop bar receivers to be installed in a concrete footing minimum 6 in. diameter, 24 in. deep. Roller guards and guide posts must be installed on Type I external roller cantilever slide gate in compliance with ASTM F1184. Ground clearance shall not exceed 3 in., grade permitting. Electrically operated gate installation must conform to ASTM F2200 and UL 325.

3.4 NUTS AND BOLTS

- A. Bolts: Carriage bolts used for fittings shall be installed with the head on the secure side of the fence. All bolts shall be peened over to prevent removal of the nut.

3.5 ELECTRICAL GROUNDING

- A. Grounding: Grounding of the fence and gates is not the responsibility of the fence contractor and not included in the fencing scope of work for this contract. Grounding, when required, shall be specified and included in Division 26 Electrical. A licensed electrical contractor shall install grounding when required.

3.6 WINDSCREENS

- A. Attach windscreens to chain link fabric at 12 inches O.C. vertically and 18" O.C. at top and bottom. Windscreens over 6 feet shall be attached in the center as well.

3.7 CLEAN UP

- A. The area of the fence line shall be left neat and free of any debris caused by the installation of the fence.

END OF SECTION

32 31 19 – DECORATIVE METAL FENCES AND GATES

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Ornamental steel fencing, gates and related hardware, fabricated from stock steel components.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Fencing Materials, General: Provide materials of sizes and shapes as indicated on the Drawings and specified below.
 - 1. For metal fabrications exposed to view upon completion of the Work, provide ferrous metals materials selected for their surface flatness, smoothness, and freedom from surface blemishes.
 - 2. Do not use materials whose exposed surfaces exhibit pitting, seam marks, roller marks, rolled trade names and roughness.
- B. Steel Shapes: Steel plates, bars, angles, channels, and H-sections: ASTM A36.
- C. Steel Tube:
 - 1. Hot-rolled: ASTM A501.
 - 2. Cold-formed: ASTM A500.
- D. Gate Hardware:
 - 1. Hinges: Manufacturer's standard 7-inch ball bearing hinge designed to accept lubrication.
 - 2. Gate latches for gates not in path of travel: Manufacturer's standard latch, with provision for padlock provided by Owner. Finish latches to match fencing. Provide means to latch and lock gates in both open and closed positions.
 - 3. Gate latches for gates in path of travel:
 - a. Normally closed gates: Comply with exit door requirements (CBC Section 1003.3.2). Hardware shall not require pinching, grasping or twisting motion to operate and provide solid kick plates 10 inches minimum high, 3 inches maximum from the paving on both sides of gate. At swing gates, lockset shall be exit device (panic device). See Drawings for details and hardware.
 - b. Normally open gates: Provide means to lock gate with padlock in both open and closed positions. Provide sign on or adjacent to gate stating, "This gate shall

remain locked in the open position during business/school hours or during any public functions." Sign shall be mounted 60 inches grade on or adjacent to gate.

- E. Fasteners and Accessories: Unless otherwise indicated, provide fasteners of type, grade and class required for heavy-duty use and sized and spaced as required for loads and substrate. Comply with requirements specified in Section 05 05 23 – Metal Fastenings for anchors, fasteners and grout for attachment to ground and structures.
 - 1. Provide hot-dipped galvanized or stainless steel fasteners, finished to match fencing at exposed locations.
 - 2. Provide PVC grommets to seal all picket-to-rail intersections.
- F. All metal components: All hot dip galvanized. ZINC plating is NOT acceptable.
- G. Grout: Non-metallic, non-shrink grout, as specified in Section 05 05 23 - Metal Fastenings.

2.2 FABRICATION

- A. Shop Fabrication: Shop fabricate fencing and gates in largest sizes practicable for shipping and handling.
 - 1. Fabricate components with accurate angles and surfaces, true to the required lines and levels and as required to suit installation conditions.
 - 2. Posts to be a minimum of 2 1/2" square tube x .19 wall. Top and bottom rail to be 2" square tube x .12 wall. Pickets to be 1" square tube x .06 wall. All other details of assembly and support shall give ample strength and stiffness for the intended purpose.
 - 3. Make cuts straight and free of burrs or nicks.
 - 4. Make miters, cuts and splices accurately so members will join with hairline joint gaps.
- B. Joints, General: Fit or miter to hairline tolerances. Provide lugs, clips, anchors and miscellaneous fastenings as indicated and as necessary for complete assembly and installation. Form joints to exclude water.
- C. Steel Welding: Conform to AWS D1.1.
 - 1. All field welded refinished components must be cold galvanized at weld joints. Silver paint is not acceptable.
 - 2. Grind welds smooth and flush with base material.
 - 3. Re-weld to fill holes. Putties and fillers will not be accepted.
- D. Bolted and Screwed Connections: Provide holes and connection provisions before finishing fencing components.
 - 1. Provide manufacturer's standard riveted connections typically.
 - 2. Use bolts for field connections only. Provide flat washers to distribute bearing load and provide lock washers to prevent loosening.
 - 3. Where screws must be used for permanent connections, use flat head type, countersunk, with screw slots filled and finished smooth and flush.
- E. Embedded Items: For embedment in concrete, provide weld-on lugs or anchors for secure anchorage.

- F. All components must move freely upon completion.

2.3 FINISHING ORNAMENTAL METAL FENCES AND GATES

- A. All metal components: To be hot dipped galvanized, ZINC PLATING IS NOT ACCEPTABLE
Cold galvanize all field welded joints.
- B. Finish Painting: Field finished as specified in Section 09 90 00 – Painting and Coating.

PART 3 - EXECUTION– NOT USED

END OF SECTION

32 80 00 – IRRIGATION

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Automatic sprinkler irrigation systems and controls.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Materials, General: All materials shall comply with Section 212 of the Standard Specifications, California Plumbing Code (CPC) and requirements specified below, whichever is greater.
 - 1. Re-use of existing piping, fittings and wiring materials will be acceptable.
 - 2. Re-use of existing valve boxes, valves, backflow preventers, wye strainers, meters, moisture sensors and metallic irrigation heads will be acceptable if these components are inspected by Project Inspector after removal and determined to be suitable for re-use. Should these components be found after re-installation to be defective, these components shall be replaced with new components at no change in Contract Time and Contract Sum.
 - 3. Re-use of existing controllers will be acceptable. Should these components be found after re-installation to be defective, these components shall be replaced with new components at no change in Contract Time and Contract Sum.
 - 4. Re-use of electrical power and signal components will not be acceptable.

2.2 PIPE AND FITTINGS

- A. Pipe and Fittings Identification:
 - 1. Identify all pipe and fittings with the following indelible and continuous markings:
 - a. Manufacturer's name.
 - b. Nominal pipe size.
 - c. Schedule or class.
 - d. Pressure rating, in psi.
 - e. NSF Seal of Approval.
 - f. Date of extrusion.

2. Electric Control Valve Tags: Yellow in background with black letters 2-3/4 inches by 2-1/4 inches.
 - a. Attach identification tag showing valve number on each solenoid pigtail.
 - b. Quick Coupling Valve Tags: Red background with black letters which read, WARNING--UNSAFE WATER--DO NOT DRINK. Print Spanish translation on other side.
 - c. Attach identification tag to each quick coupling valve.
- B. Plastic Pipe and Fittings: Solvent weld type, virgin polyvinyl chloride (PVC) compound, complying with ASTM D 2241 or ASTM D 1784, Class 12454-B.
 1. Hydrostatic design stress rating: 2,000 psi.
 2. Exposed plastic pipe: Integral gray color, Schedule 40 ultra-violet resistant (UVR) PVC pipe manufactured with a distinguishing brown color and marked with manufacturer's name and UVR designation.
 - a. PVC fittings used with UVR pipe: Schedule 40 UVR PVC type.
 - b. Threaded risers and nipples: ASTM D 1785 Schedule 80 PVC.
 - c. Other risers and fittings: ASTM D 1785 Schedule 40 PVC, solvent weld.
 3. Pressure Pipe:
 - a. Point of Connections to Backflow Preventer: Provide copper or brass piping.
 - b. Downstream of Backflow Preventer:
 - 1) Size up to 1-1/2 inches diameter: Type I, Grade I, Schedule 40 PVC in accordance with ASTM D 1785.
 - 2) Size 2 inches diameter up to 2-1/2 inches diameter: Class 315 solvent weld PVC in accordance with ASTM D 2241.
 - 3) Size 3 inches diameter and larger: Class 200 bell and gasket PVC in accordance with ASTM D 2672.
 4. Non-Pressure Pipe: Piping downstream of remote control valves, 3/4-inch diameter and larger:
 - a. Schedule 40 solvent weld PVC conforming to ASTM D 1785 under paved areas.
 - b. Class 200 solvent weld PVC conforming to ASTM D 2241 in planted areas.
 - 1) Comply with general requirements for pressure lines specified above.
 - 2) Offsets shall be a minimum 3/4-inch unless Contractor receives written approval from Architect.
 - c. Comply with general requirements for pressure lines specified above.
 - d. Offsets shall be minimum 3/4-inch unless otherwise approved in writing.
- C. PVC Fittings: Schedule 40 for Schedule 40 (laterals) piping, and Schedule 40 for Schedule 40, CL 315 and Schedule 80 (main) piping as indicated on the Drawings. PVC fittings shall be II-I NSF approved and shall conform to ASTM D 2466.
 1. Weight: Standard.
 2. Manufacture: Injection molded of improved virgin PVC fitting compound.

3. Slip Fittings: Deep socket bracketed type.
4. Threads (where required): Injection molded type.
5. Tees and Ells: Side gated.
6. Threaded nipples: ASTM D 1785 Schedule 80 Type 1, with molded threads, 3-inch minimum length.
7. Identification: Manufacturer's name or trademark, material designation, size, applicable IPS schedule and NSF seal of approval.

D. Copper Pipe and Fittings:

1. Pipe: Type K, hard tempered.
2. Fittings: Wrought copper, solder joint type.
3. Solder: Silver solder, 45 percent silver, 15 percent copper, 16 percent zinc, and 24 percent cadmium. Solder shall be solid at 1125 degrees F and liquid at 1145 degrees F.

E. Brass Pipe and Fittings:

1. Brass pipe: 85 percent red brass, ANSI [____], IPS Standard 125 pound class, [Schedule 40] [medium weight] threaded pipe with threads conforming to ASA Specification B2.
2. Fittings: Medium pattern, banded, 125 pound class, FS WW-P-460.

F. Conduit: Gray, UL listed and labeled, PVC, Schedule 40 electrical conduit ASTM F 512.

G. Bell and Gasket Fittings:

1. Fittings for bell and gasket pressure supply lines shall be ductile iron deep bell type. Fittings shall be manufactured of ductile iron, Grade 65-45-12 in accordance with ASTM A 536. Fitting gaskets shall be in accordance with ASTM F 477. All ductile iron fittings shall be manufactured with exterior lugs. Ductile iron fittings shall be as manufactured by Leemco, Inc., Corona, CA, or equal.
2. All tee fittings used to connect remote control valve assemblies and quick coupler assemblies to the mainline shall be ductile iron deep bell type. The outlet side of the tee or ell to the valve assembly shall be sized according to the diameter of the largest valve in the assembly or a minimum of 2 inches. Ductile iron deep bell type reducers when used with bolt-on links are allowable instead of reducing tees or ell. PVC pipe connections to the valve assembly shall be secured to ductile iron fitting using a joint restraint.
3. All ductile iron fittings and all bell and gasket joints within 50 feet of a directional change in the mainline shall be equipped with mechanical joint restraints. Joint restraint shall be capable of securing PVC pipe directly to lugs on ductile iron fittings without use of bolts, links and adapters. Joint restraint shall be capable of securing PVC pipe to PVC pipe and PVC pipe to ring joint isolation valves without use of threaded linkages. Joint restraints shall be as manufactured by Leemco, Inc., Corona, CA, or equal.

H. Pipe Sleeves: All piping under vehicular paving shall be installed in PVC pipe sleeve.

1. Smaller than 4 inches: ASTM D 1785 Schedule 40 PVC.

2. 4 inches and Larger: ASTM D 1784 Class 12454-C (formerly Type I, Grade 2, Class 315) PVC.

2.3 PVC PIPE JOINT CONNECTIONS

- A. Slip-Fit Connections: Solvent cement welded, using two-step process consisting of primer and solvent cement applied according to manufacturer's instructions. Solvent cementing shall be in conformance with ASTM D 2564 and ASTM D 2855.
 1. Joint Cement: For non-pressure plastic pipe and fittings, 100 percent active solvent chemically-compatible with pipe, fittings and primer, having fluid consistency, not gel-like or ropy, blue in color.
 2. As recommended by manufacturers of pipe and cement.
- B. Plastic-to-Metal Connections: Female adapters, hand-tightened, plus one turn with strap wrench. Joint compound shall be non-lead base Teflon paste, tape, or equal.

2.4 VALVES

- A. Gate Valves: Gate valves shall be of the manufacturer, size, and type indicated on the Contract Drawings.
 1. Comply with AWWA Standards.
 2. Provide line-sized, ASTM A 126 Class B cast iron, epoxy coated, 200 psi rated, vulcanized encapsulated resilient wedge disc.
- B. Ball Valves: Provide size, type, and manufacturer indicated on Contract Drawings.
 1. Conform to AWWA standards.
 2. Provide bronze body and stainless steel ball and stem. Ball valves shall have threaded connections.
 3. Valves shall be pressure-rated not less than 1000 pound WOG.
- C. Quick Coupler Valves: Manufacturer, size, and type indicated on the Drawings.
 1. Quick coupler valves shall have [3/4-inch] [1 inch] female threaded opening at base, with two-piece body.
 2. Valves shall to be operated only with coupler key, designed for that purpose. When coupler key is inserted into valve a positive, watertight connection shall be made between the coupler key and valve.
 3. Provide hinged, self-closing cover, locking type, constructed of brass with green rubber-like vinyl protective covering.
- D. Swing Check Valves 2 inches and Smaller: 200 pound WOG bronze construction with replaceable composition, neoprene, or rubber disc, conforming to FS WW-V-51D, Class A, Type IV.
- E. Anti-Drain Valves: Provide manufacturer, size, and type indicated on the Contract Drawings.
 1. Heavy duty virgin PVC construction with FIP thread inlet and outlet.
 2. Internal parts shall be stainless steel and neoprene.
 3. Field adjustable against drawout from 5 to 40 feet of head, factory set at 12 feet.

4. Provide 18-8 stainless steel springs and valve stems with Buna-N seals.
5. Threaded connections shall be the size of the riser or pipe they are to be installed onto, or the next available size. No slip connection anti-drain valves are allowed.

F. Remote Control Valves: Electrically-operated and of the manufacturer, size, and type indicated on the Drawings.

1. Valve Type: Spring-loaded, self-cleaning, packless diaphragm activated, normally closed type, equipped with flow control.
2. Valve Body: Brass or plastic as indicated on Contract Drawings.
3. Valve Solenoid: 24-volt AC 4.5-watt maximum, 500-milliamp maximum surge, corrosion-proof, stainless steel construction, epoxy encapsulated to form a single integral unit.
4. Provide manual bleeder valve to permit operation in the field without power at the controller.

2.5 VALVE BOXES

A. Non-Traffic Type Valve Boxes: Green weather-resistant plastic material resistant to sunlight and chemical action of soils. Provide box with locking cover.

1. Remote Control Valve Boxes: 9-1/2 inches by 16 inches by 11-inches. Box shall be marked IRRIGATION CONTROL VALVE. Brand valve station numbers on top of cover with 2-inch high letters.
2. Valve Boxes: Provide round green plastic valve box with locking lid marked WATER. Brand the symbol BV in 2-inch high letters on lid for ball valve boxes. Brand the symbol GV in 2-inch high letters on lid for gate valve boxes.
3. Quick Coupling Valve Boxes: Provide locking lid for quick coupling valves. Brand QCV in 2-inch high letters.
4. Valve box extensions shall be by the same manufacturer as the valve box.
5. Automatic control valve, master valve, and flow sensor boxes shall be 6 inches by 11-inches by 12 inches rectangular size. Valve box covers shall be heat branded in 2-inch high letters with either RCV with the valve identification number, MCV, or FS.
6. Ball valve, gate valve, air relief valve, flush valve, and quick coupler valve boxes shall be 10 inches circular size. Valve box covers shall be heat branded in 2-inch high letters with either BV, GV, AR, FV, or QCV, as applicable.

B. Traffic-Type Valve Boxes: The cover and box shall be capable of sustaining a load of 1,500 pounds. No valve boxes shall be allowed in paved areas.

2.6 IRRIGATION HEADS

A. Irrigation Heads: Manufacturer, size, type as indicated on the Drawings.

1. Radius of throw, operating pressure, and discharge rate: As indicated on the Drawings.
2. Irrigation head types: As indicated on the Drawings.

B. Riser/Swing Joint Assemblies: Fabricated in accordance with details indicated on the Contract Drawings.

- C. Riser Nipples: Same size as riser opening in sprinkler body.
- 2.7 BACKFLOW PREVENTION UNITS
- A. Backflow Prevention Unit: Manufacturer, size and type shown on the Drawings. Backflow prevention units shall include gate valve and test cock.
 - 1. Include wye strainer constructed of 85 percent red brass with 40 mesh monel screen.
 - 2. Devices shall meet the requirements of ASSE Standard 1013, AWWA Standard C506, and USC Foundation for Cross Connection Control and Hydraulic Research.
- 2.8 AUTOMATIC CONTROLLER
- A. Automatic Irrigation Controller: Manufacturer, size and type shown on the Drawings.
 - B. Electrical Connections: Make connections between controller and remote control valve with direct burial copper wire.
 - 1. Wire shall be No. 14 AWG Type UP 600-volt single conductor type, PVC insulated underground feeder, UL approved.
 - 2. Pilot wires shall be a different color for each controller. Common wires shall be white with a color stripe matching the controller pilot wire color.
- 2.9 ELECTRICAL
- A. Electrical, General: All electrical equipment shall be NEMA Type 3, waterproofed for exterior installations, complying with requirements of California Electrical Code (CEC) and requirements specified in Division 16 - Electrical.
 - B. High Voltage: Electrical service to automatic controller shall be in accordance with Division 16 Sections. Provide final hookup to equipment as a part of the Work specified in this Section.
 - C. Low Voltage:
 - 1. Connections between controller and remote control valves shall be made with direct burial AWG-UF 600 volt wire, 14 gauge or larger, insulation thickness 3/64-inch, utilizing low density high molecular weight polyethylene insulation.
 - 2. Control wires shall be red. Where two or more controllers are used, they shall be a different color for each controller.
 - 3. Colors shall be noted on the Controller Charts located on controller door.
 - 4. Flow sensor shall be wired to the controller using Rainmaster EV-CAB-SEN shielded sensor cable consisting of two 14 gauge copper wires.
 - D. Direct Burial Wiring: AWG-UF 600 volt wire, 12 gauge or larger, insulation thickness 3/64-inch, utilizing low density high molecular weight polyethylene insulation.
 - 1. Bury wire a minimum of 18 inches in depth in same trench as main irrigation line. Secure to pipe with plastic electrical tape at intervals of 10 feet on centers, providing slack for thermal movement.
 - 2. Provide a 24-inch expansion curl within 3 feet of each wire connection, change of direction, and at least every 100 feet of wire length.

- E. Wiring Splices: All splices and RCV connections shall be made using 3M DBY wire connectors or Spears DS-400 pre-filled wire connectors.
 - 1. Locate field splices in pull boxes set 1 inch above finish grade.
 - 2. Field splices between controller and remote control valve will not be permitted.

2.10 MISCELLANEOUS EQUIPMENT

- A. Miscellaneous Equipment: Flow meters, rain sensors, basket strainers and master valves shall be manufacturer, size and type shown on the Drawings.

PART 3 - EXECUTION – NOT USED

DIVISION 33 – UTILITIES

The Design Professional must coordinate the technical specifications with the District's Division 00 and 01 requirements

33 30 00 – SANITARY SEWERAGE

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Sanitary sewer lines

PART 2 - PRODUCTS

2.1 BEDDING MATERIALS

- A. Bedding Materials: Comply with requirements specified in Section 31 20 00 – Earth Moving.

2.2 MANHOLES

- A. Precast Concrete Manholes: Manufacturer and model as indicated on the Drawings, complying with ASTM C478, precast reinforced concrete, of depth indicated with provision for rubber gasket joints.
 - 1. Base Section: 6-inch minimum thickness for floor slab and 4-inch minimum thickness for walls and base riser section, and having a separate base slab or base section with integral floor.
 - 2. Riser Sections: 4-inch minimum thickness; 48-inch diameter, and lengths to provide depth indicated.
 - 3. Top Section: Eccentric cone type, unless concentric cone or flat-slab-top type is indicated. Top of cone to match grade rings.
 - 4. Grade Rings: Provide 2 or 3 reinforced concrete rings, of 6 to 9 inches total thickness and match 24-inch diameter frame and cover.
 - 5. Gaskets: ASTM C443, rubber.
 - 6. Steps: Cast into base, riser, and top sections sidewall at 12-to 16-inch intervals.
 - 7. Pipe Connectors: ASTM C923, resilient, of size required, for each pipe connecting to base section.
 - 8. Channel and Bench: Concrete.
- B. Manhole Frames and Covers: As produced by Alhambra Foundry Co., Ltd., (AFC), Alhambra, CA (818/289-4294), or equivalent, complying with ASTM A536, Grade 60-40-18, heavy-duty, ductile iron, 24-inch inside diameter by 7- to 9-inch riser with 4-inch minimum width flange, and 26-inch-diameter cover, indented top design, with lettering "SANITARY SEWER" cast into cover. Or equal

2.3 PIPING AND FITTINGS

- A. Piping and Fittings, General: Provide types, sizes and configurations of pipe, fittings and accessory products as indicated on the Drawings and as required by authorities having jurisdiction. Piping, fittings and accessory materials specified herein shall be provided unless otherwise indicated or required by authorities having jurisdiction.
- B. Vitrified Clay Pipe (VCP) and Joint Devices:
 - 1. Pipe: ASTM C700, unperforated, strength according to standard specifications of serving sanitary sewer agency; inside nominal diameter as indicated on the Drawings, bell and spigot end joints.
 - 2. Vitrified Clay Pipe Joint Device: ASTM C425, compression gasket joint.
- C. PVC (Polyvinyl Chloride) Pipe and Joint Devices:
 - 1. Pipe: PVC pipe conforming to ASTM D3034 for SDR 35 or Uni-Bell Uni-B-7 conforming to ASTM F679, unperforated, strength according to standard specifications of serving sanitary sewer agency.
 - 2. Joints: Bell and spigot with elastomeric gaskets.
 - 3. Size: Inside nominal diameter as indicated on the Drawings.
 - 4. Gaskets: ASTM F477, elastomeric seal.
 - 5. Fittings: ANSI A21.10 gray iron or ductile iron for use with PVC pipe, with mechanical joint ends. Couplings shall be Certainteed Corp. Fluid-Tite, Johns-Manville Ring-Tite, or approved equivalent.
- D. Fitting Bends: Long-radius unless otherwise approved by responsible design professional and serving sanitary sewer agency.
- E. Pipe-to-Pipe Connections: Make with 45 degree wyes and long radius bends. Tees will not be acceptable.
- F. Cleanouts: At grade, cleanouts shall have adjustable sleeve-type housing, threaded brass plug with countersunk slot, and cast iron frame and cover.
- G. Piping Adapters: As recommended by pipe manufacturer and as approved by authorities having jurisdiction, for connecting pipe to manholes and for end enclosures.

PART 3 - EXECUTION – NOT USED

33 50 00 – NATURAL GAS SERVICE SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

- A. The general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Natural gas distribution systems piping, specialties, and accessories outside the building.

PART 2 - PRODUCTS

2.1 BEDDING MATERIALS

- A. Bedding Materials: Comply with requirements specified in Section 31 20 00 – Earth Moving.

2.2 PIPE AND PIPE FITTINGS, GENERAL

- A. Pipe and Fittings, General: All pipe and pipe fittings shall comply with requirements of the serving utility. Pipe and pipe fitting materials shall be compatible with each other. Where more than one type of material or product is indicated, selection shall be made by the serving utility.

PART 3 - EXECUTION – NOT USED

END OF SECTION

Sweetwater Unified High School District

United States

Roof Replacement Product Selection & Specification Manual

A7 Group, Inc.

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United States

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Introduction:

A7 Group, Inc. has been awarded a contract by San Diego County Office of Education (SDCOE) to prepare a roofing information and specification manual for the Sweetwater Unified School District.

The intended purpose of this manual is to 1) educate the user on roofing options typically utilized on commercial buildings in Southern California, 2) provide cost, useful life expectancy, and typical warranty options for roofing types, and 3) provide generic specifications for several roofing type options. Specifications included are intended for procuring competitive bidding on both new and replacement roofing projects and are not to be used as part of construction documents for individual projects. Design team and/or roofing contractor is required to provide final record drawings and specifications.

Low Slope vs Steep Slope

Roofs can generally be divided into two categories: low slope and steep-slope. The incline or slope of a roof is the primary factor in determining which of these categories a particular roof falls. The *NRCA Roofing and Water-proofing Manual, Fifth Edition*, defines these conditions as follows:

Low-slope roofs: a category of roofs that generally include weatherproof membrane types of roof systems installed on slopes at or less than 3:12 (14 degrees).

Steep-slope roofs: a category of roofs that generally include water-shedding types of roof coverings installed on slopes greater than 3:12 (14 degrees).

Roofing Costs

Total roofing costs to consider when determining best roofing option for the assembly, include the removal of existing roofing (material hauling and dump fees), new roofing material cost, installation and maintenance required over time. Using either recycled or recyclable roofing materials can help reduce the cost of a roofing system. Using simple roofing systems like self adhered TPO or large panel metal roof can also help reduce installation costs.

Useful Life Expectancy

Exposure to the elements, product quality, routine maintenance, and design all play roles in determining the useful life expectancy of a roofing system. Longer lasting roofing systems like tile and metal systems are extremely durable and inherently a much larger investment. Asphalt and membrane based roofing systems do not last as long but can be easily repaired by applying a new coats or layers.

Typical Warranty Options

There are two warranties that need consideration when choosing a roofing system, product warranty and installation warranty. The product warranty is through the manufacturer product manufacturer and typically includes protection against product related defects. A good resource for additional information about roofing warranties is the NRCA's Consumer Advisory Bulletin Addressing Roofing Warranties.

The installation warranty will be provided by the roofing contractor and will cover roofing installation and workmanship issues. There should be a list of items provided by the contractor, highlighting the work

done and which items will be covered under the warranty. Typical warranties will cover the roofing installation for one or two years.

Volatile Organic Compounds (VOC)

Volatile organic compounds or VOC's are harmful compounds that can be released into the environment and are regulated both state and city wide. The Federal Clean Air Act Amendments of 1990 (CCA) place the Environmental Protection Agency (EPA) in charge of the regulation of pollutants in commercial products. These regulations hold the manufacturers, installers and owners (people who "solicit" the use of containing products) responsible for abiding by the National Air Quality Standards (NAAQS). Adhesives and sealants in the single ply roofing membrane category are specifically regulated by the South Coast Air Quality Management District (SCAQMD) established in 1989 in California. Other VOC's that are regulated are those that are released by exposure to the sun's rays (photochemically reactive) and that stay within the ground level ozone layer (troposphere). These products include; substrates, roofing systems, primers and coatings, adhesives.

Cool Roofs/ Title 24 (California)

Cool roofs are roofs that gain less energy from the sun than traditional roofs reducing the heat island effect which produces hotter climates and produces unhealthy air. Cool roofs passively provide buildings that are more comfortable for people while reducing the cost to regulate indoor temperatures with traditional air conditioning systems. It is because of these benefits that California's energy code (title 24) has incorporated cool roofs into its energy efficiency standards.

The Cool Roof Rating Council (CRRC) is an organization that analyze thermal emittance and solar reflectance of roofing products. The CRRC is a valuable resource for city officials in providing insight into low-slope and steep-slope roofing products.

Additional information, including current regulations, training, and financial incentives offered from local utilities, can be found online at the California Energy Commission's website.

Fire Rated Roofing Classification

Roofing systems must be able to meet or exceed the fire ratings regulated by building codes and insurance policies. Roofing systems are classified by both the top surface resistance to fire and the time taken to reach the interior side. Roof systems are classified as either Class A (highest resistance rating), B or C (lowest resistance rating). See manufacturer submitted test results and required construction buildouts to obtain rating.

ASTM International (American Society for Testing and Materials) is an international organization that develops and publishes technical standards for materials, products and systems. ASTM E108 is the fire test method for roof systems and may be carried out by multiple companies including industry respected laboratories like UL Inc., FM Global, or other certified testing laboratories.

Ventilation

Providing your roof system with ventilation methods can lead to cooler attics in summer and dryer attics in winter. This can reduce the chance of roofing system failure and save energy which is why all roofs whether flat or sloped are required by the International Code Council (ICC) and California Building Code (CBC) to be ventilated. Having an unvented attic space in summer can cause moisture buildup within the

roofing system due to condensation which can cause moisture to infiltrate roof sheathing, structure, and roofing membranes. Letting the heat buildup in an attic space can cause radiation of heat to transfer down to the occupiable spaces causing HVAC systems and other appliances to work harder. In chilly winter days, moist air can rise from the lower portions of the building causing it to condense on the colder surface to the roofing system.

Ventilation can be acquired by both passive and active strategies. Ventilation components must be correctly sized and positioned to allow for a proper volume of air movement. Attic space vents and fans are typically located at the top (roof ridge) and bottom (roof eave) to allow an intake and exhaust system for the enclosed space. Flat roofing systems, if enclosed, are required to have a one inch vented air barrier within the construction. Providing an escape route for high pressure (hot) air to escape produces a low pressure below drawing in cooler outside air. Using natural wind currents are also a crucial factor in providing adequate ventilation. Low pressure winds traveling over the roof causes a vacuum effect that pulls high pressure (hot) air from the enclosed roof space up and out while cooler outside air travels in from other vents below. If these passive strategies are inadequate, then active strategies like fan can be installed to help push and pull air through the space.

Deferred Maintenance

The roof is the buildings first line of defense against the elements. It's a year-round battle against wind, rain, fire and the sun. This constant exposure is bound to put wear and tear on any roof system. Routine observations are crucial to maintaining a roof system. Roof inspections should be done annually and your priority should be to identify and repair any major problems so they don't compromise the buildings structure causing more work to be done.

Identifying the cause of a roof leak or areas that might turn into a leak can be as easy as performing a visual inspection both on the interior and exterior. On the interior, stains on the ceiling can be caused by water penetrating the roof system. Water pooling on a roofs surface means that the slope of the roof is not adequate for proper runoff and can lead to premature aging of the roofing material. Water leaking through the top roofing material can cause wearing and degradation substrates, roof structure, and other interior elements. Symptoms such as these should be addressed immediately with a visual inspection and confirmation that the roof system is the cause.

Other areas to check include making sure gutters and downspouts, as well as all drains, are clear so that water can properly shed the roofing surface having a clear path or travel away from the structure.

3rd Party Roofing Consultant

Roofing systems are complex and depending on the systems can have many failure points over time. Roofing consultants provide assistance with educated decision making regarding which roof system is appropriate for your specific building and which steps should be taken to reduce the chance of failures in the future.

Quick Reference Roofing Selection Matrix

The matrix below is intended to quick reference guide to roofing options for specific project types.

	Pages	Cost/SF	Useful Life (Years)	Warranty Periods	Low-VOC	Class 'A' Fire Rating	Coolroof Certified	Recyclable	Simple Installation	Medium Installation	Complex Installation	
<u>Steep Slope</u>												
Asphalt Shingles	5 - 6	\$4.00 - \$6.50	15 - 18	10 - 30	X	X	X	X	X			
Clay Roof Tiles	7 - 8	\$12.00 - \$18.00	75 - 100	10 - 50	X	X		X		X		
Concrete Roof Tiles	9 - 10	\$7.00 - \$10.00	40 - 50	10 - 50	X	X		X		X		
Standing-Seam Mtl. Panels	11 - 12	\$12.00 - \$18.00	25 - 100	20 - 50	X	X	X	X	X			
<u>Low Slope</u>												
Built-Up Asphalt Roofing	13 - 14	\$6.00 - \$10.00	15 - 20	10 - 20		X	X	X			X	
SBS Modified Bitumen	15 - 16	\$6.00 - \$10.00	12 - 20	10 - 20		X	X	X			X	
EPDM	17 - 18	\$6.00 - \$9.00	15 - 20	10 - 30	X	X	X	X		X		
PVC	19 - 20	\$7.00 - \$11.00	20 - 30	10 - 30	X	X	X	X		X		
TPO	21 - 22	\$6.00 - \$10.00	20 - 30	10 - 30	X	X	X	X	X			

073113 Asphalt Shingles

Commercial Application Images



General Information

History - Asphalt shingles have been used in North America since the early 1900s and are the most common type of roof covering used for steep-sloped roof construction. Asphalt prepared roofing was the precursor to asphalt shingles and was similar to underlayment of today being topped with granules like mica, oyster shells or slate. Originally all out of heavy organic material, usually cotton or wood fiber, structural base mats became offered in fiberglass decreasing the weight of the material and structural system needed to support the roofing compared to heavier concrete or clay roofs. Asphalt shingles today are factory manufactured at massive scale and are among the most common choice for a multi-layered, overlapping, water-shedding roof coverings.

Composition – Shingles are generally composed of asphalt or modified asphalt, fillers, a reinforcing mat and a granular surface. Organic and fiberglass base mats are both used for the structural component in shingles. Organic bases consist of formerly living materials such as wood fiber or cellulose which are more suited for cold climates because they are less brittle than fiberglass shingles and receive a Class “B” fire rating. Fiberglass shingles use layered fiberglass with resins which are better suited for warmer climates because they are typically a Class “A” roof construction. These base mats are coated with asphalt or modified asphalt on both sides and one side is topped with slate, quartz, vitrified brick or stone granules.

Shingle Shapes & Styles – There are a variety of shingle assemblies including individual shingles, strip shingles, and laminated shingles. Strip shingles generally come in “3-tab” and “4-tab” lengths creating a time saving, easy to install unit, and are the most common asphalt shingle produced. Laminated strip shingles, commonly referred to as “dimensional” or “architectural” shingles have multiple layers of material varying per tab, creating a diverse pattern. Strip and laminated shingles have a self-sealing adhesive strip option on the bottom side which help resist strong wind loads. Single shingles do not come with a self-sealing adhesive strip option but do have a “T”-Lock system where individual shingles lock together to create wind resistant assemblies. Single shingles are commonly used for the different profiles that are offered including diagonal and octagonal shapes.

Typical Assembly

Attachment Methods - Asphalt shingles are typically installed using minimum 12- gauge galvanized steel nails with a minimum head diameter of 3/8” into a structural wooden substrate with underlayment between. Nails should be long enough to penetrate 3/4” into the roof deck.

Roof Deck & Underlayment - The roof deck is the structural substrate on which shingles are attached. The roof deck material must be able to accept which ever fastening system is being used.

The underlayment in a roofing system provides protection for the roof deck during and after installation of the roofing system. Typical underlayment types include asphalt saturated felt, polymer-modified bitumen sheets and asphalt roof cement.

Pros/Cons

Pros - Asphalt shingles are widely used because of their many attributes including: ease of installation, recyclability, wide variety of shapes and colors, and being an economic alternative. The quick and easy installation allows for flexibility in timing of the construction process.

Cons - Asphalt shingles have a relatively short lifespan and since being made from petroleum are not an environmentally friendly product. Lifespan can also be greatly decreased with rapid variations in weather (soaking then drying shingles) and by poor attic ventilation that bakes the shingles, driving out essential oils.

Life Expectancy

Depending on quality of shingle and climate, Asphalt shingles life can range from 15-18 years.

Material and Installation Cost (Approx. SD Region)

\$4.00 - \$6.50 per sf (includes demo, disposal, new product, installation, supplies, flashing & equipment). Low material cost with relatively fast installation.

Typical Manufacturer Warranty Options

Material warranty period: 10-30 years.

Masterspec Specification Section 073113

Refer to attached.

073213 Clay Roof Tiles

Commercial Application Images



General Information

History - Clay roofing tiles are amongst the oldest modular roofing systems used throughout the world dating back as far as 10,000 B.C. and are still being widely used today. Clay tiles became prevalent when looking for a more durable fire resistant replacement for thatched roofs. Since then the specific composition and shapes of these tiles have been adapted to suit the performance and design requirements of modern day applications.

Composition – Clay tile roofing has evolved over centuries. High quality clay and shale deposits are selected for mining based on their mineral compositions, which are responsible for the hardness, durability and color of the finished product. The raw material is crushed into fine powder and mixed with minerals to achieve the desired mixture. The clay is then wetted and worked to become a homogenous mass of the proper plasticity. The clay is extruded, cut to size, and formed or pressed into the various shapes and styles desired. A wide variety of surface textures and some ceramic matte colors may be applied before drying and firing. The natural red color of clay tile results from the firing process. High-gloss ceramic glazes may be applied to fired tile, which in turn is re-fired to add durable color and gloss to the surface.

Roof Tile Shapes – Common types include Pan & Cover (2-piece barrel or mission tile), Roman tile (barrel caps & flat pans), Greek tile (angular caps & flat pans), flat interlocking tiles, S tile and a plain flat tile. Hundreds of custom tile shapes exist, and vary per manufacturer, making clay tiles an easy option to suit custom design intents.

Typical Assembly

Attachment Methods - Several types of securement methods are used with respect to climate and design. The following should be considered when choosing a securement method: slope, deck type, wind loads, seismic affects, local codes and manufacturers recommendations. Several types of attachment methods are used including: nails, clips, lug hung tile, bedding tile, and wire tie and strapping systems. Nails and/or clip attachment, are the most common methods used for tile fastening in high wind and seismic areas. Lug hung, wire tie and strapping systems are used when there is no sheathing for attachment. Bedding the tile in either mortar or a spray adhesive is a less common option but used for sealing gaps for increased fire protection and thermal insulation purposes.

Roof Deck & Underlayment - The roof deck is the structural substrate on which the tiles are attached. The roof deck material must be able to accept the selected fastening system. The underlayment in a roofing system provides weather protection for the decking and interior space below. Typical underlayment types include asphalt saturated felt, polymer-modified bitumen sheets and asphalt roof cement.

Pros/Cons

Pros – Clay tiles are a long-term roofing solution lasting up to 100 years. Highly customizable means suitable for a multitude of designs. Clay tiles have a low moisture absorption rate of around 6% which leads to a lesser chance of mildew and stains. Tiles offer a high fire resistance rating.

Cons – Clay tile roofing is initially expensive for both the material and installation tile required. Among the heavier of roofing systems, the roof structure must be able to accept the larger loads. Relatively strong but still among the more fragile of roofing systems.

Life Expectancy

Depending on quality of tile and climate, Clay tiles life can range from 75 to 100 years.

Material and Installation Cost (Approx. SD Region)

\$12.00 - \$18.00 per sf (includes demo, disposal, new product, installation, supplies, flashing & equipment).

Typical Manufacturer Warranty Options

Material warranty period: 10-50 years.

Masterspec Specification Section 073213

Refer to attached.

073216 Concrete Roof Tiles

Commercial Application Images



General Information

History – Concrete roof tiles came after the invention and wide use of clay roofing tiles in the mid-19th century in Europe. Today 90% of all roofs in Europe are concrete tiles because of the rapid improvements in the manufacturing process decreasing the cost compared to that of clay. Tiles today are largely available due to the automated extrusion plants that exist in North America.

Composition – Tiles typically consist of Portland cement, water, and sand which are mixed and either, extruded at elevated temperatures or tamped into the desired shape. Tiles can also be made from light weight concrete mixes decreasing the load on the roof deck. Admixtures and fiber reinforcements are also added in to give tiles improved strength, reduce water absorption and cure rate. Using a lightweight composition can reduce the overall tile weight by half. This is done by using lightweight aggregate, usually expanded shale, rather than sand. Like other concrete products curing is a time intensive process that will continue after the tiles are installed.

Roof Tile Shapes & Color – There is a large variety of profiles, styles and finishes available. Classic types include Pan & Cover (2-piece barrel or mission tile), flat interlocking tiles, S tile and a plain flat tile. Tiles are now being made to imitate wood shake roofs. Color can be added to the tiles by either integration into the mix pre-extrusion or applying a glaze afterwards. Applying glaze can provide additional strength and resistance to the elements. Some tiles receive sprayed solution that soak into the tile provided additional waterproofing.

Typical Assembly

Attachment Methods - Several types of securement methods are used with respect to climate and design. The following should be considered when choosing a securement method: slope, deck type, wind loads, seismic affects, local codes and manufacturers recommendations. Several types of attachment methods are used including: nails, clips, lug hung tile, bedding tile, and wire tie and strapping systems. Nails, and sometime with clips, are the most common method used for tile fastening in high wind and seismic areas. Lug hung, wire tie & strapping systems are used when there is no deck to attach to. Bedding the tile in either mortar or a spray adhesive is a less common option but used for sealing gaps for increased fire protection and thermal insulation purposes.

Roof Deck & Underlayment - The roof deck is the structural substrate on which the tiles are attached. The roof deck material must be able to accept which ever fastening system is being used. The underlayment in a roofing system provides protection for the roof deck during and after installation of the roofing system. Typical underlayment types include asphalt saturated felt, polymer-modified bitumen sheets and asphalt roof cement.

Pros/Cons

Pros - Concrete tiles are a long-term roofing solution lasting upwards of 50 years. Due to its durable material qualities, concrete tiles are both a minimal maintenance option while being an economic alternative. Tiles have a high resistance to fire and elements.

Cons – Among the heavier of roofing systems, the roof structure must be able to accept the larger loads. Concrete tiles have a higher moisture absorption rate of around 13% which leads to a greater chance of mildew and stains. Concrete tiles lose color over time due to the integral pigments used to imitate clay roofs.

Life Expectancy

Depending on quality of tile and climate, concrete tiles life can range from 40-50 years.

Material and Installation Cost (Approx. SD Region)

\$7.00 - \$10.00 per sf (includes demo, disposal, new product, installation, supplies, flashing & equipment). Medium material cost with labor intensive installation.

Typical Manufacturer Warranty Options

Material warranty period: 10-30 years to lifetime.

Masterspec Specification Section 073216

Refer to attached.

074113 Standing-Seam Metal Roof Panels

Commercial Application Images



General Information

History - The term “Standing Seam” is an industry standard for a type of metal roofing system that uses overlapping metal panels and raised vertical seams that bind them together. Standing seam roofing panels came from the problems being noticed by the attachment method of penetrating corrugated roofing panels ultimately creating leaks. Copper was of the first metal to be widely used for panels as it was easily malleable to create seams on site and off. In the early 1900’s companies began mass producing these metal roofing panels driving down the consumer cost and making it a more competitive product against traditional roofing technologies like asphalt and clay/concrete tile roofs.

Composition – Today there are many different alloys and coatings available. The most common metals used include: steel, aluminum, copper, terne and zinc. Companies have coined terms using alloys like zinc-aluminum alloys called “Zincalume” and galvanize aluminum called “Galvalume”. Along with these base materials a multitude of coatings are available to offer specific aesthetics and additional resistance to rust, solar heat gain and the elements.

Profiles, Sizes & Coatings – There is a large variety of profiles available between manufacturers today. They range from simple systems that use a machine that fold two panel seams over each other, to systems that use channels that slide over and cap two adjacent edges to systems that simply snap over seams. Panels are typically formed from 24 or 26-gauge metal sheets with widths ranging from 12”, 16” and 18” panels while being offered up to 30’ in length.

Typical Assembly

Attachment Methods - Standing-seam metal panels use concealed fastener systems which set it apart from traditional corrugated roof systems. These long panels run from the roof eave to the roof ridge and are fastened directly to the structural substrate using gasket screws.

Roof Deck & Underlayment - Standing seam roofing is installed over a variety of substrates. Two systems are typically used as substrates for the attachment metal sheets. A continuous decking where the panels can be attached at various intervals, and a spaced structural frame where the panels are attached where they cross this frame. An underlayment is typically installed over the decking before the standing seam is applied to provide a temporary waterproofing while metal is installed and acts as an additional waterproofing layer if water does penetrate the panel seams.

Pros/Cons

Pros – Standing seam roofing can be installed directly over an existing failing asphalt roof. The basic design using raised seams with no fasteners penetrating the runoff surface helps to reduce the chance that a leak will occur. Roofs in general are known for their durability, simplicity, versatility, energy efficiency, and clean aesthetic.

Cons – Initial cost can be a deterrent but makes up for it with a long lifespan. Metal roofing in general are loud when it rains. If a roofs surface has many vents or penetrations the installation can be very time consuming and reduce the effectiveness of such a simple system. Furthermore, having a smooth steep sloped roof can become difficult to walk on and can end up denting the smooth surface of the panels.

Life Expectancy

Depending on quality of metal, finish and climate, metal roofs life can range from 25 to 100 years.

Material and Installation Cost (Approx. SD Region)

\$12.00 - \$18.00 per sf (includes demo, disposal, new product, installation, supplies, flashing & equipment). High material cost with relatively fast installation time.

Typical Manufacturer Warranty Options

Material warranty period: 20-50yrs.

Masterspec Specification Section 074113.16

Refer to attached.

075113 Built-Up Asphalt Roofing (BUR)

Commercial Application Images



General Information

History – Build-up asphalt roofing systems, commonly referred to as “tar & gravel” roofs, have been in use since the early 1900’s. As the refining of petroleum started to get more advanced so did the BUR systems. Being a byproduct of the oil industry, in 1942, the fluid catalytic cracking process improved the purity of the product making it more prevalent in the industry. Asphalt roofing systems started to replace coal tar roofs as its operation temperature range was much wider making it easier to transport and install.

Composition – Asphalt is typically a byproduct of the oil industry but some higher end, longer lasting, systems use asphalt as the main product from oil. The system consists of reinforcing felts, either glass-fiber or organic, that are coated with a variety of asphalt surfacing. The surfacing of BUR systems include aggregate (composed of gravel, mineral granules or slag), glass fiber or mineral surfaced cap sheets, hot asphalt mopped over the surface, aluminum coatings or elastomeric coatings. Four types of roofing asphalts are developed today for a variety of roofing applications. To achieve higher melting points the product is heated and blown with oxygen. The longer procedure the higher the melting point.

Type I – Very high melting point, can be used on level decks.

Type II – High melting point, can be used on ¼ in 12 slopes.

Type III – Medium melting point, can be used on 2 in 12 slopes.

Type IV – Low melting point, used on extreme slopes.

Sizes - Felts are typically produced at 36” widths or 1 meter.

Typical Assembly

Attachment Methods - This system consists of 2 or 3 layers of reinforcing piles and a modified bitumen mineral surfaced cap sheet. These piles are adhered to the roofing deck using asphalt, coal-tar, or cold-applied adhesive. Asphalt and coal-tar is heated up in either a kettle or a tanker and applied to the surface with mops or spreaders.

Note: No two manufacturers create the same product mixture. See manufacturer recommendations for specific installation requirements.

Pros/Cons

Pros - Asphalt roofs are one of the most economic high performance roof systems on the market. Relatively long life cycle due to the ease of repairs and recoating with using a compatible product. The layering affect creates a top performance based barrier between the interior and exterior environments. These roofs pass all fire resistance and wind uplift tests.

Cons – The installation of asphalt roofs is very energy intensive when using the heat applied method (typically LP gas) that release harmful toxins into the atmosphere. Heat applied method creates a Potential fire hazard. UV-rays cause asphalt to photo-oxidize creating a powdery substance on the surface made from the additives such as the plasticizers. This reaping of plasticizers reduces the overall mass and flexibility which creates surface cracks. Asphalt naturally dissolves in water, oils and some solvents. If proper slope is not provided or maintained, pooling will occur and drastically reduce the lifespan. Due to the multi layered systems, installation costs are comparatively high.

Life Expectancy

Built-up asphalt roofing's lifespan (depending on proper installation) can range from 15-20 years but can be repaired and revitalized with new layers and compatible products.

Material and Installation Cost (Approx. SD Region)

\$6.00 - \$10.00 per sf (includes demo, disposal, new product, installation, supplies, flashing & equipment).

Typical Manufacturer Warranty Options

Material warranty period: 10-20 years.

Masterspec Specification Section 075113

Refer to attached.

075216 Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing

Commercial Application Images



General Information

History - The technology was developed in France in the 1960's as concerns rose regarding the quality and life expectancy of BUR membranes. The roofing industry began to look for higher performing systems that were also less labor intensive to install. SBS-modified bitumen membranes were more durable and had a higher recovery rate which lead to the technology being accepted to the industry. By the early 1980s, SBS Modified roofing systems were prevalent throughout North America.

Composition - Three main components are used for the roofing composition; asphalt, SBS synthetic rubber conditioner, and filler used in the bitumen blend. When crude oil is processed one of the byproducts is asphalt flux. This asphalt flux is then modified to increase its melting point, lower its temperature resilience and increase its elongation and recovery properties. Fillers can add many attributes such as cleansing the SBS blend by absorbing unwanted oils and to increase fire-resistance. This mixture is applied to polyester, fiberglass, or polyester and fiberglass membranes to form a sheet good. Adding the SBS copolymer gave the blend more flexibility, ability to expand and contract with the roofing system without cracking or splitting, flex in freezing weather, durability under elevated temperatures and increased resistance to UV exposure. SBS polymers also have better adhesion properties making the seams of the systems last longer and help resist wind uplift.

Typical Assembly

SBS modified bitumen roofing can be applied over almost any structural roof deck. Over wood decks, torch down method of assembly is very dangerous and the cold applied (low VOC) method should be used. Metal and concrete roofs typically use the torch down method. There are many variations to consider for reinforcing SBS-modified products, including fiberglass, polyester and virtually any combination of the two. One of the most important properties for roof membranes is dimensional stability—the reinforcement's resistance to expanding or shrinking due to moisture, temperature or physical forces. Roof membranes should always be stable to provide maximum protection. Usually applied by heating up the underside of the roll with a torch.

Note: No two manufacturers create the same product mixture. See manufacturer recommendations for specific installation requirements.

Sizes – Felts are typically produced at 36" widths or 1 meter.

Pros/Cons

Pros – Due to the flexibility of SBS modified bitumen roofing, it is ideal for climates where the temperature fluctuates. Relatively long life cycle due the ease of repairs and recoating with using a compatible product. The layering affect creates a top performance based barrier between the interior and exterior environments. Theses roofs pass all fire resistance and wind uplift tests.

Cons - The installation of asphalt roofs is very energy intensive when using the heat applied method (typically LP gas) that release harmful toxins into the atmosphere. Heat applied method creates a Potential fire hazard. Due to the multi layered systems, installation costs are comparatively high.

Life Expectancy

Modified Bitumen Roofs (depending on climate and maintenance) can range from 12-20 years.

Material and Installation Cost (Approx. SD Region)

\$6.00 - \$10.00 per sf (includes demo, disposal, new product, installation, supplies, flashing & equipment).

Typical Manufacturer Warranty Options

Material warranty period: 10-20 years.

Masterspec Specification Section 075216

Refer to attached.

075323 EPDM (Ethylene Propylene Diene Monomer Rubber)

Commercial Application Images



General Information

History - Chemical companies in the early 1960's developed EPDM as an alternative for asphalt roofing systems as a reaction to the Middle East oil embargo which drove up the cost of asphalt roofing systems and lowered the quality of asphalt received. EPDM was simple and easy to install (with the advancement of taped seams) being a single membrane system and offered better UV resistance and weathering over time. Since then the formula has been developed and redeveloped to increase its attributes.

Composition - Ethylene propylene diene monomer rubber (EPDM) is comprised of polymers that are modified and mixed with fillers, plasticizers, and catalysts to form sheets which are then offered in both vulcanized (to create elastomeric sheets) and non-vulcanized sheets. Reinforcing membranes (typically polyester fleece) are often added to increase the puncture and tear resistance by up to 300% while still allowing the membrane to retain its elastomeric qualities. In addition to the other additives in EPDM roofing, membranes are offered in both black (typically carbon) which absorbs UV rays and white (typically titanium dioxide) which reflects UV rays preventing the degradation of polymers.

Sizes, Thicknesses & Colors – Sizes can get up to 50' wide by 200' long. Typical thicknesses can range from .045" to .090" with or without reinforcing membranes. Black and white membranes are both offered.

Typical Assembly

Membranes can be installed right over insulation atop the roof substrate and structure. Single-ply membranes can be installed using three methods; mechanically attached, fully adhered or ballasted. Membrane seams can be adhered, cemented, or taped.

Mechanically Attached – Uses screws (normally 12" or 6" O.C.) to penetrate the membrane and insulation attaching to the roofing substrate. The adjacent sheet edge is then overlapped utilizing adhesive or heat welding to cover fastener heads.

Note: In high wind zones such as the coast, mechanically attached methods are favored because of the strength of connection to roofing substrate.

Fully Adhered – Uses glue to adhere sheets directly to insulation panels. Adjacent sheets are either heat welded or glued to create a waterproof seal.

Note: Condensation between the membrane and insulation layer can cause the assembly to delaminate making the membrane prone to tear off with high winds.

Ballasted – Membrane is loose laid over the insulation and mechanically or adhered at the edges and uses a ballast (smooth rocks or stepping stones) to hold the membrane in place.

Note: This assembly method applies large dead loads upon the roof structure which may not be applicable in many situations.

Pros/Cons

Pros – EPDM membranes are low cost and have a low embodied energy. EPDM is easily recyclable into other roofing tiles and products. A leader in resistance to climate due to the EPDM composition and reduction of seams due to large sheet size.

Cons - Being an uncommon roofing system, most are installed by roofers that have little or no special knowledge of EPDM systems.

Life Expectancy

EPDM Roofs (depending on climate and maintenance) can range from 20-30 years.

Material and Installation Cost (Approx. SD Region)

\$6.00 - \$9.00 per sf (includes demo, disposal, new product, installation, supplies, flashing & equipment).

Typical Manufacturer Warranty Options

Material warranty period: 10-30 years (depending on material thickness).

Masterspec Specification Section 075323

Refer to attached.

075419 PVC (Polyvinyl Chloride)

Commercial Application Images



General Information

History - PVC is one of the pioneering single-ply roof materials that was specifically designed to address a wide range of roofing problems resulting from water leaks. In 1966, a German company created the first known PVC roofing membrane. Because of its single ply roofing application within a decade it made its way across Europe and to the US. PVC roofing had a rough start as many of the initial manufacturers made critical errors in the composition. Since PVC is not naturally flexible, plasticizers were added to make the membranes flexible to compete with other roofing technologies. US manufacturers, in order to make it more economic, began to use cheap plasticizers which leached out (with exposure to UV rays) of the material making it brittle and prone to cracking. Massive recalls followed and the US began to use the strict industry standards of European manufacturers. Today, PVC membranes are considered to be very durable and able to withstand the constant expansion and contraction of the building structure throughout the day, throughout its life. A properly heat-welded seam of a PVC roof is a much better seam than a glued or taped seam of an alternate roofing type.

Composition – Polyvinyl Chloride (PVC) or vinyl roofing is derived from two ingredients. Natural gas or petroleum is converted to ethylene, and chlorine is gathered from salt from the process of electrolysis. These are combined to produce ethylene dichloride (EDC) and further processed into vinyl chloride monomer (VCM) polymerization. The VCM molecules (through polymerization) then forms chains, converting the gas into a white powder. The vinyl resin may then be mixed with additives such as stabilizers for durability, plasticizers for flexibility and pigments for color. PVC resin is modified with plasticizers and UV stabilizers, and reinforced with fiberglass non-woven mats or polyester woven scrims, for use as a flexible roofing membrane. Thus, a thicker membrane has a larger reservoir of plasticizer to maintain flexibility over its lifespan. Vinyl roofs provide an energy-efficient roofing option due to their inherent light coloring.

Typical Assembly

Membranes can be installed directly over insulation atop the roof substrate and structure. Single-ply membranes can be installed using three methods; mechanically attached, fully adhered or ballasted. Depending on the manufacturer, membrane seams can be adhered, cemented, or taped. PVC seams

can also be heat-welded which form a permanent, watertight bond that is stronger than the membrane itself.

Mechanically Attached – Uses screws (normally 12” or 6” O.C.) to penetrate the membrane and insulation attaching to the roofing substrate. The adjacent sheet edge is then overlapped utilizing adhesive or heat welding to cover fastener heads.

Fully Adhered – Uses glue to adhere sheets directly to insulation panels. Adjacent sheets are either heat welded or glued to create a waterproof seal.

Ballasted – Membrane is loose laid over the insulation and mechanically or adhered at the edges and uses a ballast (smooth rocks or stepping stones) to hold the membrane in place.

Sizes, Thicknesses & Colors – Roles can range from 5’ to 10’ wide by 100’ long. Typical membrane thicknesses range from .045” to .060” with or without reinforcing membranes. A large variety of colors are available per manufacturer, including black and white membranes both being offered.

Pros/Cons

Pros – PVC roofs can be strong and reliable if provided by the right manufacturer with a relatively long lifespan. Resistant to chemicals, grease and oil. White roof color increases energy efficiency, conserves resources, and reduces carbon footprint.

Cons – Expensive material. Shrinkage may occur over time, breaking seams and causing leakage. Some PVC mixtures tend to lose plasticizers due to UV exposure which can cause the color to darken over time reducing the reflectivity and flexibility as well (use long time manufacturer). Manufacturing process considered by some to be environmentally unconscious because of chemical release when manufactured and recycled.

Life Expectancy

Depending on Cool roof pigments, UV stabilizers and other additives, PVC Roofs can range from 20-30 years.

Material and Installation Cost (Approx. SD Region)

\$7.00 - \$11.00 per sf (includes demo, disposal, new product, installation, supplies, flashing & equipment).

Typical Manufacturer Warranty Options

Material warranty period: 10-30 yrs.

Masterspec Specification Section 075419

Refer to attached.

075423 TPO (Thermoplastic Polyolefin)

Commercial Application Images



General Information

History – TPO roofing membranes were developed to be flexible low slope roofing alternative as EPDM membranes could not be heat welded and PVC's use of plasticizers ultimately reduced flexibility. Being introduced in the late 1980's to the roofing market, TPO emerged as a reliable single ply roofing system by many manufacturers. TPO membranes are a popular choice for "Green" buildings as there are no plasticizers added and TPO does not degrade under exposure to UV. TPO is available in white, grey, and black. Using white roof material helps reduce the "heat island effect" and solar heat gain in the building.

Composition – Thermoplastic Olefin (TPO) consists of a thermoplastic, an elastomer or rubber, and a series of fillers and additives. Polypropylene (PP) and polyethylene (PE) are two common thermoplastics used as the base. Elastomers like Ethylene Propylene Diene Monomer Rubber (EPDM), ethylene propylene rubber (EPR), ethylene octane (EO), and styrene ethylene butadiene styrene (SEBS) are combined to make up the rest with fillers like carbon fiber, fiberglass and wollastonite for structural characteristics. The mixture is fireproofed by using magnesium hydroxide or aluminum trihydrate. Improved UV protection is added by using titanium dioxide or carbon black. The mixes are then blended at elevated temperature and extruded into sheets. The built in ultraviolet light stabilizers are crucial to the strength and weather resistance of this system.

Typical Assembly

Membranes can be installed right over insulation on the roof substrate and structure. Single-ply membranes can be installed using four methods; mechanically attached, fully adhered, ballasted or self-adhered. Membrane seams can be adhered, cemented, or taped. TPO seams can also be heat-welded for a permanent, watertight bond that is stronger than the membrane itself.

Mechanically Attached – Uses screws (normally 12" or 6" O.C.) to penetrate the membrane and insulation attaching to the roofing substrate. The adjacent sheet edge is then overlapped utilizing adhesive or heat welding to cover fastener heads.

Fully Adhered – Uses glue to adhere sheets directly to insulation panels. Adjacent sheets are either heat welded or glued to create a waterproof seal.

Ballasted – Membrane is loose laid over the insulation and mechanically or adhered at the edges and uses a ballast (smooth rocks or stepping stones) to hold the membrane in place.

Self-Adhered – Membranes are offered with a self-adhering (peel & stick) back making the installation process extremely time efficient.

Sizes, Thicknesses & Colors – Roles can range from 5' to 10' wide by 100' long. Typical membrane thicknesses range from .045" to .060" with or without reinforcing membranes. TPO's are typically white but can be ordered in many of the shelf and custom colors.

Pros/Cons

Pros - TPO Single-ply roofing membranes provide top of class resistance to ozone, ultraviolet rays and some chemical exposures. TPO's are highly puncture resistant and can be easily repaired. They are also LEED & ENERGYSTAR certified, fully recyclable, and flexible without the addition of plasticizers. Resistant to chemicals, grease and oil.

Cons - Perhaps the biggest disadvantages of TPO roofing is that it is a new roofing technology, and manufacturers are still testing and developing chemical formulas best suited for lasting performance.

Life Expectancy

TPO Roofs (depending on Cool roof pigments, UV stabilizers and other additives) can range from 20-30 years.

Material and Installation Cost (Approx. SD Region)

\$6.00 - \$10.00 per sf (includes demo, disposal, new product, installation, supplies, flashing & equipment). Medium material cost with labor intensive installation (Can be reduced with the use of peel & stick version).

Typical Manufacturer Warranty Options

Material warranty period: 10-30 yrs.

Masterspec Specification Section 075423

Refer to attached.



June 26, 2017

Board Item - N.-1.

Issue:

Ratification of purchase orders.

Superintendent's Recommendation:

Ratify purchase orders issued for the period of May 1, 2017, through May 31, 2017, and purchase order adjustments for the period May 1, 2017, through May 31, 2017.

Analysis:

For the period of May 1, 2017, through May 31, 2017, 1,124 purchase orders were written for a total of \$59,365,981.82, and 568 non-purchase order requisitions (for Office Depot and Waxie Sanitary Supply) were written for a total of \$157,522.78.

All transactions between the district and any other entity or person involving the transfer of property or rendering of a service are contracts and subject to approval or ratification by the board of trustees. Since the final responsibility for purchasing cannot be delegated by the board of trustees in accordance with state law, all purchase orders must be approved or ratified by the board with specific evidence of such action indicated in the official board minutes.

The Purchasing Department of the Sweetwater Union High School District has agreements with two of the high volume vendors (Office Depot and Waxie Sanitary Supply) to place online orders for office and janitorial supplies. Employees place their order online and enter a requisition in the business system referencing the online order number and cost. As a check and balance, please know the purchasing department reviews the requisition and gives the final approval but does not generate a Purchase Order as the items have already been requested online.

All purchases comply with the appropriate state codes and Administrative Regulation No. 3314, Payment for Goods and Services.

During the period May 1, 2017, through May 31, 2017, 40 purchase order adjustments were issued for a total of \$142,386.74. This adjustment report includes all purchase order encumbrance adjustments (formal request from a site and approved by finance to either increase or decrease the amount of a purchase order) in excess of \$50 and change orders (any revision to the original purchase order

related to a construction or public works bid) in excess of 10 percent of the original approved bid amount.





Purchase orders and the purchase order report are available for inspection in the purchasing department.

For questions regarding this board item, please contact Karen Michel at 619/691-5550 or karen.michel@sweetwaterschools.org.

Fiscal Impact:

Expenditure of \$59,365,981.82, for purchase orders, and \$157,522.78, for non-purchase order requisitions for the period of May 1, 2017, through May 31, 2017.

ATTACHMENTS:

Description	Type
 Purchase Order Listing	Backup Material
 Purchase Order Listing Detail	Backup Material
 Purchasing Non PO Requisitions	Backup Material
 PO Adjustment Report	Backup Material

Purchase Order Listing

From 5/1/2017 Through 5/31/2017

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
535594	Royal Lines Charters, LLC 01-3010-X-1110-1000-5822-150-4101 General Fund	1,025.00	05/03/2017
537553	Royal Lines Charters, LLC 01-7220-7-3800-1000-5880-235-51301 General Fund	1,070.00	05/03/2017
537574	Mrs. Nelson's Toy & Book Shop Inc. 01-0900-X-1110-2420-4210-105-32301 General Fund	1,125.06	05/04/2017
537725	El Tapatio Restaurant Inc. 01-3010-X-1110-2495-4317-260-40301 General Fund	481.71	05/03/2017
537728	El Tapatio Restaurant Inc. 01-0000-X-1110-2700-4317-220-11 D1 General Fund	2,554.70	05/03/2017
537760	Scholastic Inc. 01-0000-X-1132-1000-4310-220-11 D1 General Fund	241.66	05/19/2017
537801	El Tapatio Restaurant Inc. 01-4124-X-1110-1000-4310-210-45601 General Fund	958.01	05/03/2017
537810	VWR Funding, Inc. 01-0910-X-1145-2490-4310-000-32 D1 General Fund	11,542.32	05/02/2017
537877	EBSCO Industries, Inc. 01-0000-X-1110-2420-4310-215-32301 General Fund	255.60	05/19/2017
537878	Fisher Scientific, LLC 01-0000-X-1145-1000-4310-210-11 D1 General Fund	272.68	05/04/2017
537882	Fisher Scientific, LLC 01-6385-7-3800-1000-4310-210-50901 General Fund	1,798.04	05/04/2017
537915	Fisher Scientific, LLC 01-0000-X-1110-1000-4310-210-33301 General Fund	954.99	05/11/2017
537925	Ramirez, Juan Manuel 01-0000-X-1123-4200-4310-145-38401 General Fund	190.52	05/01/2017
537933	El Tapatio Restaurant Inc. 01-6500-X-5001-2110-4317-000-39 D1 General Fund	806.46	05/01/2017
537934	Amanda Danielle Medlin 01-0000-X-1110-2700-4317-000-33001 General Fund	925.00	05/31/2017
537936	Delta Education LLC 01-0000-X-1142-1000-4310-225-11 D1 General Fund	1,832.97	05/01/2017
537937	Carolina Biological Supply Co 01-0000-X-1142-1000-4310-225-11 D1 General Fund	1,854.74	05/01/2017
537938	Flinn Scientific, Inc. 01-0000-X-1142-1000-4310-225-11 D1 General Fund	3,404.46	05/01/2017
537943	Bio-Rad Laboratories 01-6385-7-3800-1000-4410-210-50901 General Fund	2,788.17	05/11/2017
537958	Artex Manufacturing Company 01-0000-X-1191-1000-4310-215-33401 General Fund	2,717.70	05/01/2017
537989	El Tapatio Restaurant Inc. 01-0000-X-3800-1000-5880-000-72701 General Fund	916.07	05/03/2017
537993	Barclay Wood Toys and Blocks, Inc. 01-3550-X-3830-1000-4310-000-35901 General Fund	1,021.90	05/01/2017
537996	Royal Lines Charters, LLC 01-0900-X-1110-1000-5822-110-4101 General Fund	1,455.00	05/03/2017
538002	Dick Blick Company 01-0000-X-1111-1000-4310-285-11 D1 General Fund	894.16	05/01/2017
538007	VWR Funding, Inc. 01-0000-X-1142-1000-4310-255-11 D1 General Fund	234.21	05/01/2017

Purchase Order Listing

From 5/1/2017 Through 5/31/2017

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
538009	Carolina Biological Supply Co 01-6385-7-3800-1000-4310-210-50901 General Fund	3,350.68	05/01/2017
538010	Perma-Bound Books 01-0000-X-1110-2420-4210-130-32601 General Fund	616.12	05/01/2017
538042	Mission Janitorial Supplies 01-0000-X-0000-8100-4310-285-11 D1 General Fund	58.56	05/01/2017
538066	TPRS Publishing, Inc. 01-0000-X-1110-2420-4310-230-32501 General Fund	586.25	05/01/2017
538107	Maquillage Makeup Academy 01-4124-X-1110-1000-4310-260-41901 General Fund	3,155.60	05/03/2017
538111	Fisher Scientific, LLC 01-0000-X-1110-1000-4310-210-33301 General Fund	113.14	05/10/2017
538147	Demco Inc. 01-0000-X-1110-2420-4310-125-32501 General Fund 01-0000-X-1110-2420-4410-125-32501 General Fund	878.17	05/12/2017
538148	Fisher Scientific, LLC 01-0000-X-3245-1000-4310-245-11 D1 General Fund	179.80	05/01/2017
538149	Delta Education LLC 01-0000-X-3245-1000-4310-245-11 D1 General Fund	242.32	05/01/2017
538184	Smart & Final Stores Corporation 01-0000-X-1110-2700-4317-235-11 D1 General Fund	250.00	05/01/2017
538186	Smart & Final Stores Corporation 01-4124-X-1110-1000-4310-255-41901 General Fund	500.00	05/30/2017
538189	Smart & Final Stores Corporation 01-0000-X-1110-1000-4317-285-11 D1 General Fund	250.00	05/03/2017
538272	Moore Medical LLC 11-6391-X-4110-1000-4310-415-71111 Adult Education Fund	69.56	05/01/2017
538274	Demco Inc. 01-0000-X-1110-2420-4310-115-32601 General Fund 01-6300-X-1110-1000-4310-115-33601 General Fund	95.71	05/01/2017
538276	TA Appliance Parts Company 01-6500-X-5001-2110-4410-000-39 D1 General Fund	814.54	05/12/2017
538294	Accent Electronics, Inc 01-9010-X-1110-1000-4410-255-48001 General Fund	3,799.86	05/03/2017
538324	Flaghouse, Inc. 01-3010-X-5750-1110-4410-295-41901 General Fund 01-3010-X-5750-1110-4310-295-41901 General Fund	1,048.05	05/04/2017
538347	Technology in Education 01-3010-X-1110-1000-4410-230-41901 General Fund	140,956.92	05/01/2017
538354	Grand Pacific Charter 01-6385-7-3800-1000-5822-210-50901 General Fund	615.00	05/01/2017
538358	Fisher Scientific, LLC 01-0900-X-1110-1000-4310-235-41901 General Fund	55.21	05/01/2017
538380	Rasix Computer Center, Inc. 01-0000-X-1110-1000-4310-145-11 D1 General Fund	357.23	05/04/2017
538383	Smart & Final Stores Corporation 01-9065-X-1110-1000-4310-150-50801 General Fund	500.00	05/30/2017
538385	Safeway Inc. 01-9065-X-1110-1000-4310-150-50801 General Fund	500.00	05/30/2017

Purchase Order Listing

From 5/1/2017 Through 5/31/2017

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
538411	El Tapatio Restaurant Inc. 01-0000-X-1110-2700-4317-235-11 D1 General Fund	2,278.66	05/01/2017
538414	Library Store (The) 01-0000-X-1110-2420-4310-145-3201 General Fund	762.89	05/17/2017
538420	Signa Digital Solutions, INC 01-6386-7-3800-1000-4310-255-53701 General Fund	2,112.27	05/01/2017
538422	TA Appliance Parts Company 01-6500-X-5001-2110-4410-000-39 D1 General Fund	1,716.08	05/12/2017
538460	Delta Education LLC 01-0000-X-1142-1000-4310-140-11 D1 General Fund	81.22	05/01/2017
538461	Flinn Scientific, Inc. 01-0000-X-1143-1000-4310-205-11 D1 General Fund	199.94	05/17/2017
538462	Flinn Scientific, Inc. 01-0000-X-1142-1000-4310-140-11 D1 General Fund	123.88	05/01/2017
538467	Follett School Solutions, Inc. 01-3010-X-1110-1000-4210-140-4101 General Fund	3,591.29	05/02/2017
538469	Lakeshore Learning Materials 01-3010-X-5750-1110-4310-295-4101 General Fund	246.78	05/01/2017
538475	Demco Inc. 01-0000-X-1110-2420-4410-105-3201 General Fund	824.26	05/01/2017
538477	School Specialty, Inc. 01-0000-X-1111-1000-4310-210-11 D1 General Fund	113.00	05/04/2017
538483	Demco Inc. 01-0000-X-1110-2420-4310-115-3201 General Fund 01-0900-X-1110-2420-4310-115-3201 General Fund	241.37	05/13/2017
538486	Dick Blick Company 01-0000-X-1190-1000-4310-000-3301 General Fund	36.55	05/01/2017
538528	Really Good Stuff, Inc. 01-3010-X-1110-1000-4310-240-4101 General Fund	156.07	05/03/2017
538529	School Health Corporation 01-0000-X-1110-3140-4310-205-11 D1 General Fund	109.35	05/03/2017
538530	School Health Corporation 01-0000-X-1110-3140-4310-210-11 D1 General Fund	417.36	05/11/2017
538531	School Health Corporation 01-0000-X-1110-1000-4310-155-11 D1 General Fund	277.47	05/04/2017
538532	Childtherapytoys.com, LLC 01-6500-X-5770-1110-4310-000-39 D1 General Fund	145.50	05/03/2017
538533	Super Duper Publications 01-6500-X-5770-1110-4310-000-39 D1 General Fund	167.61	05/03/2017
538536	Multi Service Technology Solutions, Inc. 01-0000-X-1110-1000-4310-240-11 D1 General Fund	709.34	05/01/2017
538537	Square Grove, LLC 01-0000-X-1110-2700-4411-255-11 D1 General Fund	2,055.67	05/02/2017
538549	Royal Lines Charters, LLC 01-3550-X-3830-1000-5820-000-3501 General Fund	741.00	05/01/2017
538562	Fisher Scientific, LLC 01-6385-7-3800-1000-4310-210-50901 General Fund	931.46	05/12/2017
538563	Fisher Scientific, LLC 01-6385-7-3800-1000-4310-210-50901 General Fund	544.93	05/12/2017
538565	SW School Supply Inc.	16.52	05/04/2017

Purchase Order Listing

From 5/1/2017 Through 5/31/2017

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-7230-X-0000-3600-4310-000-5401 General Fund		
538566	Staples Inc. & Subsidiaries	10.26	05/03/2017
	01-0000-X-1110-2700-4310-205-11D1 General Fund		
538575	Demco Inc.	1,144.96	05/04/2017
	01-0000-X-1110-2700-4310-240-11D1 General Fund		
	01-0000-X-1110-2420-4310-240-3201 General Fund		
538580	Artstock	157.41	05/03/2017
	01-0000-X-1190-1000-4310-000-3301 General Fund		
538582	Dick Blick Company	712.69	05/15/2017
	01-0000-X-1190-1000-4310-000-3301 General Fund		
538585	Flinn Scientific, Inc.	47.67	05/03/2017
	01-0000-X-1145-1000-4310-260-11D1 General Fund		
538601	Votaw Tool Company	68.31	05/01/2017
	01-0000-X-1190-1000-4310-000-3301 General Fund		
538607	School Specialty, Inc.	56.27	05/04/2017
	01-6500-X-5770-1130-4310-000-39D1 General Fund		
538608	School Specialty, Inc.	169.04	05/01/2017
	01-6500-X-5001-2110-4310-000-39D1 General Fund		
538609	W.A. KRAPF	28.45	05/01/2017
	01-0000-X-1110-1000-4310-285-11D1 General Fund		
538610	Centering On Children, Inc.	423.31	05/01/2017
	01-6500-X-5001-2110-4310-000-39D1 General Fund		
538614	North shore Residential Door Company, Inc	1,414.18	05/02/2017
	01-8150-X-0000-8100-4310-000-86D1 General Fund		
538626	Flinn Scientific, Inc.	255.81	05/01/2017
	01-0000-X-1142-1000-4310-255-11D1 General Fund		
538627	Flinn Scientific, Inc.	150.75	05/01/2017
	01-0000-X-1142-1000-4310-255-11D1 General Fund		
538628	Flinn Scientific, Inc.	151.42	05/01/2017
	01-0000-X-1142-1000-4310-255-11D1 General Fund		
538629	Really Good Stuff, Inc.	73.88	05/24/2017
	01-6500-X-5770-1110-4310-220-39D1 General Fund		
538630	Flinn Scientific, Inc.	422.00	05/01/2017
	01-0000-X-1145-1000-4310-220-11D1 General Fund		
	01-0000-X-1110-1000-4310-220-11D1 General Fund		
538633	El Tapatio Restaurant Inc.	1,491.14	05/01/2017
	01-0000-X-1110-2700-4317-210-11D1 General Fund		
538634	El Tapatio Restaurant Inc.	3,399.05	05/01/2017
	01-6385-7-3800-1000-4317-210-50901 General Fund		
538635	El Tapatio Restaurant Inc.	962.44	05/04/2017
	01-0000-X-1110-2700-4317-140-11D1 General Fund		
538636	Textbook Warehouse	6,069.04	05/01/2017
	01-0910-X-1110-1000-4110-000-3301 General Fund		
	01-6300-X-1110-1000-4110-255-3301 General Fund		
538637	Textbook Warehouse	6,252.30	05/01/2017
	01-0910-X-1110-1000-4110-000-3301 General Fund		
	01-6300-X-1110-1000-4110-220-3301 General Fund		
538638	Follett School Solutions, Inc.	495.61	05/01/2017
	01-0910-X-1110-1000-4110-000-3301 General Fund		

Purchase Order Listing**From 5/1/2017 Through 5/31/2017**

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
538639	01-6300-X-1110-1000-4110-255-3301 General Fund Textbook Warehouse	1,177.22	05/01/2017
	01-0000-X-1110-2420-4310-150-1101 General Fund		
538640	01-0000-X-1110-1000-4110-150-3201 General Fund Textbook Warehouse	3,951.98	05/01/2017
538641	01-6300-X-1110-1000-4110-260-3301 General Fund Vista Higher Learning, Inc	3,397.50	05/01/2017
	01-6300-X-1110-1000-4110-220-3301 General Fund		
	01-0910-X-1110-1000-4110-000-3301 General Fund		
538642	San Diego County Superintendent of Schools	105.00	05/01/2017
	01-4035-X-1110-1000-5220-120-4001 General Fund		
538643	San Diego Graduate Supply	2,648.07	05/01/2017
	01-0000-X-1110-1000-4310-235-5601 General Fund		
538644	Myers-Stevens & Toohey & Co, Inc	210.00	05/01/2017
	01-4124-X-1110-1000-5410-255-4501 General Fund		
538645	Follett School Solutions, Inc.	139.08	05/01/2017
	01-0000-X-1110-2420-4310-115-3201 General Fund		
538647	PESI, Inc.	219.00	05/01/2017
	01-0900-X-1110-1000-5220-110-4001 General Fund		
538649	Avid Center	2,280.00	05/01/2017
	01-0900-X-1176-1000-5220-000-3301 General Fund		
538650	AP by the Sea	775.00	05/01/2017
	01-4035-X-1110-1000-5220-210-4001 General Fund		
538651	California School Boards Association	175.00	05/01/2017
	01-0000-X-0000-7600-5220-000-6001 General Fund		
538652	San Diego County Superintendent of Schools	105.00	05/01/2017
	01-4035-X-1110-1000-5220-120-4001 General Fund		
538653	AP by the Sea	775.00	05/01/2017
	01-4035-X-1110-1000-5220-280-4001 General Fund		
538654	San Diego County Superintendent of Schools	105.00	05/01/2017
	01-4035-X-1110-1000-5220-120-4001 General Fund		
538655	Textbook Warehouse	692.80	05/01/2017
	01-0910-X-1110-1000-4110-000-3301 General Fund		
538656	Anixter International Inc.	1,469.42	05/01/2017
	01-8150-X-0000-8100-4310-000-8501 General Fund		
538657	Express Pipe & Supply Co., Inc.	3,232.19	05/01/2017
	01-8150-X-0000-8100-4310-000-8601 General Fund		
538658	Ferguson Enterprises, Inc.	831.13	05/01/2017
	01-8150-X-0000-8100-4310-000-8601 General Fund		
538659	Ewing Irrigation Products, Inc.	1,234.98	05/01/2017
	01-8150-X-0000-8100-4310-000-8601 General Fund		
538660	Mrs. Nelson's Toy & Book Shop Inc.	2,421.55	05/01/2017
	01-0910-X-1110-1000-4110-000-3301 General Fund		
538661	Textbook Warehouse	535.84	05/01/2017
	01-0000-X-1110-2420-4310-115-3201 General Fund		
	01-0000-X-1110-2420-4310-115-3201 General Fund		
538662	Textbook Warehouse	311.11	05/01/2017
	01-6300-X-1110-1000-4110-000-3301 General Fund		
538663	Mrs. Nelson's Toy & Book Shop Inc.	840.97	05/01/2017

Purchase Order Listing

From 5/1/2017 Through 5/31/2017

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-6300-X-1110-1000-4110-220-3301 General Fund		
	01-0910-X-1110-1000-4110-000-3301 General Fund		
538664	Follett School Solutions, Inc.	523.69	05/01/2017
	01-0000-X-1110-2420-4410-280-3201 General Fund		
	01-0000-X-1110-2420-4310-280-3201 General Fund		
538665	Monoprice, Inc.	306.17	05/01/2017
	01-0000-X-0000-7700-4310-000-5201 General Fund		
538666	Southwestern College	16,954.90	05/01/2017
	01-0000-X-1110-4300-5890-000-3701 General Fund		
538667	Tree House, Inc. (The)	102.84	05/01/2017
	01-0000-X-3300-1000-4310-230-3001 General Fund		
538668	Staples Inc. & Subsidiaries	132.97	05/03/2017
	01-0000-X-1110-2700-4310-225-1101 General Fund		
538669	Rasix Computer Center, Inc.	357.23	05/01/2017
	01-6500-X-5001-2110-4310-000-3901 General Fund		
538670	Gallup, Inc.	1,196.00	05/01/2017
	01-3010-X-1110-2490-5220-135-4001 General Fund		
	01-3010-X-1110-1000-5220-135-4001 General Fund		
538671	Gallup, Inc.	299.00	05/01/2017
	01-0900-X-1110-1000-5220-140-4001 General Fund		
538672	Gallup, Inc.	299.00	05/01/2017
	01-0900-X-1110-1000-5220-140-4001 General Fund		
538673	Youth Development Network	1,400.00	05/01/2017
	01-0900-X-1110-1000-5220-140-4001 General Fund		
538674	Youth Development Network	200.00	05/01/2017
	01-0900-X-1110-1000-5220-215-4001 General Fund		
538675	Youth Development Network	400.00	05/01/2017
	01-0900-X-1110-2490-5220-215-4001 General Fund		
538676	San Diego County Superintendent of Schools	200.00	05/01/2017
	01-3010-X-1110-2700-5220-235-4001 General Fund		
538677	Avid Center	760.00	05/01/2017
	01-0900-X-1110-3110-5220-235-4001 General Fund		
538678	R&B Filtration	104.44	05/01/2017
	01-8150-X-0000-8100-4310-000-8601 General Fund		
538679	R&B Filtration	448.93	05/01/2017
	01-8150-X-0000-8100-4310-000-8601 General Fund		
538680	R&B Filtration	216.93	05/01/2017
	01-8150-X-0000-8100-4310-000-8601 General Fund		
538681	Primex Wireless	7,908.57	05/01/2017
	01-8150-X-0000-8100-4310-000-8601 General Fund		
538682	Fully Inc	42.22	05/01/2017
	01-0000-X-1110-2420-4310-000-5201 General Fund		
538683	Maintex, Inc.	262.98	05/01/2017
	01-0911-X-3550-2700-4310-270-1101 General Fund		
538684	Freestyle Photographic Supplies	496.17	05/01/2017
	01-0000-X-1115-1000-4310-225-1101 General Fund		
538685	Avid Center	2,280.00	05/01/2017
	01-0900-X-1176-2700-5220-000-3301 General Fund		
	01-0900-X-1176-1000-5220-000-3301 General Fund		

Purchase Order Listing

From 5/1/2017 Through 5/31/2017

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
538686	Avid Center 01-0900-X-1176-1000-5220-000-33 0 1 General Fund	2,280.00	05/01/2017
	01-0900-X-1176-2700-5220-000-33 0 1 General Fund		
538687	Avid Center 01-4203-0-1110-2700-5220-000-40201 General Fund	5,320.00	05/01/2017
	01-4203-0-1110-1000-5220-000-40201 General Fund		
538688	Avid Center 01-0900-X-1176-1000-5220-000-33 0 1 General Fund	3,040.00	05/01/2017
	01-0900-X-1176-2700-5220-000-33 0 1 General Fund		
538689	Avid Center 01-0900-X-1176-1000-5220-000-33 0 1 General Fund	2,280.00	05/01/2017
538690	Avid Center 01-0900-X-1176-2700-5220-000-33 0 1 General Fund	2,280.00	05/01/2017
	01-0900-X-1176-1000-5220-000-33 0 1 General Fund		
538691	Avid Center 01-0900-X-1176-1000-5220-000-33 0 1 General Fund	2,280.00	05/01/2017
	01-0900-X-1176-2700-5220-000-33 0 1 General Fund		
538692	CDW Government, Inc. 13-5310-X-0000-3700-4310-000-69 0 13 Cafeteria Special Revenue Fund	606.19	05/01/2017
538693	Broadway Typewriter Company Inc 01-3010-X-1110-1000-4410-140-41 0 1 General Fund	1,594.11	05/03/2017
538694	Hi Rise Camera, LLC 01-0000-X-1123-4200-4410-285-11 0 1 General Fund	2,657.63	05/04/2017
538696	CDW Government, Inc. 01-0000-X-1110-1000-4310-145-11 0 1 General Fund	1,445.74	05/01/2017
538697	CDW Government, Inc. 01-0000-X-1110-1000-4310-150-11 0 1 General Fund	285.18	05/01/2017
538698	JW Pepper & Son, Inc. 01-6300-X-1110-1000-4110-145-33 0 1 General Fund	312.19	05/01/2017
538699	Follett School Solutions, Inc. 01-7338-X-1110-1000-4110-000-47 0 1 General Fund	558.66	05/01/2017
	01-0900-X-1110-2420-4310-145-32 0 1 General Fund		
	01-0000-X-1110-2420-4210-145-32 0 1 General Fund		
538700	Follett School Solutions, Inc. 01-0000-X-1110-2420-4310-145-32 0 1 General Fund	47.90	05/01/2017
538701	United States Academic Decathlon 01-0910-X-1110-1000-4110-000-33 0 1 General Fund	2,364.75	05/01/2017
	01-6300-X-1110-1000-4110-280-33 0 1 General Fund		
538702	Culver-Newlin Inc 01-0000-X-1110-2700-4411-220-11 0 1 General Fund	12,835.29	05/02/2017
538703	School Outfitters, LLC 01-0000-X-1110-1000-4310-000-56 0 1 General Fund	2,300.63	05/02/2017
538704	Grainger, Inc. 01-0910-X-0000-8300-4310-000-86 0 1 General Fund	573.04	05/02/2017
538705	School Outfitters, LLC 01-0000-X-1110-1000-4310-000-56 0 1 General Fund	1,859.03	05/02/2017
538706	Rasix Computer Center, Inc. 01-0900-X-1110-1000-4310-260-41 0 1 General Fund	89.18	05/01/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
538707	VWR Funding, Inc. 01-6385-7-3800-1000-4310-210-50901 General Fund	1,700.45	05/15/2017
538708	Cengage Learning 01-6300-X-1110-1000-4210-210-33001 General Fund	0.24	05/01/2017
538709	Sport Supply Group, Inc. 01-4124-X-1123-1000-4310-230-41901 General Fund 01-4124-X-1110-1000-4410-230-41901 General Fund	13,251.04	05/01/2017
538710	ASCD 01-3010-0-1110-1000-4310-250-41901 General Fund	1,488.39	05/01/2017
538711	Sundance Stage Lines, Inc. 01-0900-X-1110-1000-5822-135-41901 General Fund	1,490.00	05/04/2017
538712	Bio Company, Inc. 01-0000-X-1145-1000-4310-285-11101 General Fund	163.20	05/05/2017
538713	CPM Educational Programs 01-3010-0-1110-1000-4310-130-41901 General Fund	247.77	05/03/2017
538714	Flinn Scientific, Inc. 01-0900-X-1110-1000-4310-105-41901 General Fund	430.99	05/16/2017
538715	School Specialty, Inc. 01-0900-X-1110-1000-4310-235-41901 General Fund	298.77	05/16/2017
538716	School Savers 01-3010-X-1110-1000-4310-235-41901 General Fund	1,129.72	05/16/2017
538717	Carolina Biological Supply Co 01-4124-X-1110-1000-4310-285-41901 General Fund	688.85	05/16/2017
538718	Dick Blick Company 01-4124-X-1110-1000-4310-285-41901 General Fund	2,547.72	05/16/2017
538719	Markerboard People, Inc. (The) 01-0900-X-1110-1000-4310-235-41901 General Fund	324.75	05/15/2017
538720	Smart & Final Stores Corporation 01-0900-X-1110-2495-4317-000-40301 General Fund	100.00	05/01/2017
538721	Royal Lines Charters, LLC 01-0900-X-1110-1000-5822-215-41901 General Fund	902.00	05/01/2017
538722	Rasix Computer Center, Inc. 01-0900-X-1110-1000-4310-215-31501 General Fund	1,620.50	05/01/2017
538723	Rasix Computer Center, Inc. 01-3010-X-1110-1000-4310-235-41901 General Fund	2,645.63	05/01/2017
538724	Rasix Computer Center, Inc. 01-3010-X-1110-1000-4310-215-41901 General Fund	1,699.53	05/01/2017
538725	Rasix Computer Center, Inc. 01-3010-X-1110-2490-4310-215-41901 General Fund	2,477.84	05/01/2017
538726	Rasix Computer Center, Inc. 01-3010-X-1110-1000-4310-215-41901 General Fund	698.21	05/01/2017
538727	El Tapatio Restaurant Inc. 01-6385-7-1110-1000-4317-260-50901 General Fund 01-6385-7-3800-1000-4317-260-50001 General Fund	5,073.95	05/01/2017
538728	El Tapatio Restaurant Inc. 01-4124-X-1110-1000-4310-260-41901 General Fund	1,179.94	05/01/2017
538729	El Tapatio Restaurant Inc. 01-4124-X-1110-1000-4310-225-45001 General Fund	1,805.07	05/01/2017
538730	El Tapatio Restaurant Inc.	152.52	05/01/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-6500-X-5001-2110-4317-000-39D1 General Fund		
538731	El Tapatio Restaurant Inc.	1,449.09	05/01/2017
	01-9065-X-1110-1000-4310-140-45D1 General Fund		
538732	Royal Lines Charters, LLC	732.50	05/01/2017
	01-0900-X-1176-1000-5822-000-33D1 General Fund		
538733	Datel Systems Inc.	297.69	05/02/2017
	01-3010-X-5750-1110-4310-295-41D1 General Fund		
538734	School Savers	282.85	05/02/2017
	01-3010-X-1110-1000-4320-235-41D1 General Fund		
538736	Ryonet Corporation	3,525.09	05/02/2017
	01-4124-X-1110-1000-4410-285-41D1 General Fund		
	01-4124-X-1110-1000-4310-285-41D1 General Fund		
538737	Kagan Publishing, Inc.	44.97	05/02/2017
	01-0900-X-1110-1000-4310-235-41D1 General Fund		
538738	IVS Computer Technology	849.06	05/02/2017
	01-3010-X-1110-1000-4320-240-41D1 General Fund		
538739	CDW Government, Inc.	2,804.89	05/02/2017
	01-3010-X-1110-1000-4310-110-41D1 General Fund		
538740	VILROS	768.38	05/02/2017
	01-3010-X-1110-1000-4310-000-40D1 General Fund		
538741	Golden Star Technology, Inc.	1,135.04	05/02/2017
	01-3010-X-1110-1000-4410-235-41D1 General Fund		
538742	Hyphenet, Inc.	9,228.31	05/02/2017
	01-3010-X-1110-1000-4310-235-41D1 General Fund		
538743	Hyphenet, Inc.	1,677.88	05/02/2017
	01-0900-X-1110-1000-4310-235-41D1 General Fund		
538744	Broadway Typewriter Company Inc	895.82	05/02/2017
	01-0000-X-1190-2490-4410-240-65D1 General Fund		
538745	La Class Transportation	900.00	05/02/2017
	01-0000-X-1110-2110-5822-000-32D1 General Fund		
538746	El Tapatio Restaurant Inc.	632.93	05/02/2017
	01-0900-X-1110-2495-4317-235-41D1 General Fund		
538747	El Tapatio Restaurant Inc.	368.05	05/02/2017
	01-0000-X-1110-2140-4317-000-32D1 General Fund		
538748	El Tapatio Restaurant Inc.	978.75	05/02/2017
	01-0900-X-1110-2495-4317-260-41D1 General Fund		
538749	Smart & Final Stores Corporation	200.00	05/02/2017
	01-0900-X-1110-2495-4317-235-41D1 General Fund		
538750	Herrera, Alberto C.	108.25	05/02/2017
	01-0000-X-1110-2110-4310-000-35D1 General Fund		
538751	Troxell Communications, Inc.	228.84	05/02/2017
	01-0900-X-1110-2420-4310-245-32D1 General Fund		
538752	Robert Bosch Tool corp	381.06	05/02/2017
	01-0900-X-1110-2420-4310-135-32D1 General Fund		
538753	Lightwerks Communications Systems, Inc.	1,098.66	05/02/2017
	01-3010-X-1110-1000-4310-240-41D1 General Fund		
538754	Presentation Products, Inc.	642.09	05/03/2017
	01-0000-X-1110-1000-4310-285-11D1 General Fund		
538755	Rasix Computer Center, Inc.	465.48	05/02/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-0000-X-1191-1000-4310-125-33401 General Fund		
538756	Tree House, Inc. (The)	76.86	05/02/2017
	01-0900-X-1110-1000-4310-225-41901 General Fund		
538757	Rasix Computer Center, Inc.	2,549.29	05/02/2017
	01-3010-X-1110-1000-4310-215-41901 General Fund		
538758	Rasix Computer Center, Inc.	698.21	05/02/2017
	01-3010-X-1110-1000-4310-215-41901 General Fund		
538759	Royal Lines Charters, LLC	780.00	05/03/2017
	01-0900-X-1110-1000-5822-155-41901 General Fund		
538760	Rasix Computer Center, Inc.	387.15	05/10/2017
	01-0900-X-1110-2420-4310-120-32501 General Fund		
538761	Datel Systems Inc.	975.18	05/03/2017
	01-3010-X-1110-1000-4310-125-41901 General Fund		
538762	Scholastic Inc.	361.42	05/02/2017
	01-3010-X-1110-1000-4310-260-41901 General Fund		
538763	VEX Robotics, Inc.	1,109.50	05/11/2017
	01-4124-X-1110-1000-4310-285-41901 General Fund		
538764	Scholastic Inc.	472.53	05/02/2017
	01-3010-X-1110-1000-4310-260-41901 General Fund		
538765	Office Depot	7,307.65	05/02/2017
	01-0900-X-1110-2100-4411-000-40801 General Fund		
538766	Aristotle Corporation	119.13	05/17/2017
	01-3010-X-5750-1110-4310-295-41901 General Fund		
538767	Technology Education Concepts, Inc	888.84	05/02/2017
	01-3010-X-1110-1000-4310-235-41901 General Fund		
538768	BrainPOPLLC	1,795.00	05/02/2017
	01-3010-X-1110-1000-4320-120-41901 General Fund		
538769	PESI, Inc.	119.99	05/02/2017
	01-0900-X-1110-1000-5220-155-40201 General Fund		
538770	Avid Center	2,280.00	05/02/2017
	01-0900-X-1176-1000-5220-000-33201 General Fund		
	01-0900-X-1176-2700-5220-000-33201 General Fund		
538771	Avid Center	2,280.00	05/02/2017
	01-0900-X-1176-1000-5220-000-33201 General Fund		
538772	Latino Family Literacy Project (The)	200.00	05/02/2017
	01-3010-X-1110-2490-5220-235-40201 General Fund		
538773	Great Books Foundation (The)	208.84	05/02/2017
	01-3010-X-1110-1000-4310-240-41901 General Fund		
538774	Follett School Solutions, Inc.	2,992.59	05/02/2017
	01-0000-X-1110-2420-4310-255-32501 General Fund		
538775	Prophet Corporation (The)	175.20	05/02/2017
	01-0000-X-1110-1000-4310-150-11 D1 General Fund		
538776	Prophet Corporation (The)	309.16	05/02/2017
	01-0000-X-1123-1000-4310-285-11 D1 General Fund		
538777	B&H Photo	79.55	05/02/2017
	01-6500-X-5001-2110-4310-000-39 D1 General Fund		
538778	Sport Supply Group, Inc.	65.92	05/02/2017
	01-0000-X-1122-1000-4310-230-11 D1 General Fund		
538779	Treatment Innovations	91.95	05/02/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-3010-X-1110-2100-4310-000-40801 General Fund		
538780	Scantron Corporation	1,391.77	05/12/2017
	01-6385-7-3800-1000-4310-280-50901 General Fund		
538781	ABDO Publishing	690.64	05/02/2017
	01-0000-X-1110-2420-4210-205-32501 General Fund		
538782	Flaghouse, Inc.	139.90	05/02/2017
	01-0000-X-1110-1000-4310-280-11101 General Fund		
538783	Prophet Corporation (The)	1,980.07	05/02/2017
	01-9065-X-1123-1000-4310-130-45801 General Fund		
538784	Dell Marketing LP	171.07	05/02/2017
	01-0000-X-0000-7100-4310-000-67201 General Fund		
538785	Royal Lines Charters, LLC	530.00	05/02/2017
	01-0900-X-1110-1000-5822-280-41901 General Fund		
538786	Educational Testing Services	6,370.00	05/02/2017
	11-6391-X-4110-2110-5820-482-73001 Adult Education Fund		
538787	Youth Development Network	2,200.00	05/02/2017
	01-0900-X-1110-1000-5220-260-40201 General Fund		
	01-0900-X-1110-2700-5220-260-40201 General Fund		
538788	Demco Inc.	34.17	05/02/2017
	01-3010-X-1110-1000-4310-240-41901 General Fund		
538789	Copy Link, Inc.	365.42	05/02/2017
	01-0000-X-0000-7300-4310-000-58201 General Fund		
538790	J.R. Simplot Company	1,336.74	05/02/2017
	01-0000-X-1110-2700-4310-225-11101 General Fund		
538791	Pyramid Time Systems, LLC	10.83	05/02/2017
	01-0000-X-1110-1000-4310-220-11101 General Fund		
538792	George's Lawn Equipment	540.41	05/02/2017
	01-0000-X-1110-2700-4410-225-11101 General Fund		
538793	Terra Bella Nursery, Inc.	216.28	05/02/2017
	01-0000-X-1110-2700-4310-225-11101 General Fund		
538794	Kleene & Green	971.65	05/02/2017
	01-0000-X-1110-2700-4310-225-11101 General Fund		
538795	William V. MacGill & Co.	275.60	05/03/2017
	01-0000-X-1110-1000-4310-105-11101 General Fund		
538796	Jostens, Inc.	2,715.26	05/02/2017
	11-6391-X-4110-2110-4310-482-73001 Adult Education Fund		
538797	CDW Government, Inc.	3,541.94	05/02/2017
	01-0000-X-1110-2700-4410-105-11101 General Fund		
538798	Urban Adventure Quest, Inc	235.20	05/02/2017
	01-3010-X-1110-1000-4320-115-41901 General Fund		
538799	Versa Products Inc.	2,731.15	05/04/2017
	11-3926-X-4110-1000-4411-000-75001 Adult Education Fund		
538800	Textbook Warehouse	567.60	05/02/2017
	01-0900-X-1110-1000-4310-260-41901 General Fund		
538801	Rasix Computer Center, Inc.	374.55	05/03/2017
	01-0000-X-1110-1000-4310-115-11101 General Fund		
538802	Rasix Computer Center, Inc.	135.31	05/03/2017
	01-0000-X-1110-1000-4310-210-11101 General Fund		
538803	Rasix Computer Center, Inc.	206.76	05/03/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-0000-X-3300-1000-4310-220-30 0 1 General Fund		
538804	Rasix Computer Center, Inc.	2,009.12	05/03/2017
	01-0000-X-1110-2700-4310-135-11 D1 General Fund		
538805	Socal Artisan Foods Inc.	924.36	05/10/2017
	01-0000-X-1110-2700-4317-230-11 D1 General Fund		
	01-0000-X-1110-1000-4317-230-22 0 1 General Fund		
538806	El Tapatio Restaurant Inc.	581.84	05/02/2017
	11-6391-X-4110-2700-4317-410-71 I1 Adult Education Fund		
538807	Delta Education LLC	134.68	05/17/2017
	01-0000-X-1145-1000-4310-285-11 D1 General Fund		
538808	Dick Blick Company	803.88	05/17/2017
	01-0000-X-1190-1000-4310-000-33 0 1 General Fund		
538809	W. W. Norton & Company, Inc	5,051.60	05/03/2017
	01-0910-X-1110-1000-4110-000-33 0 1 General Fund		
538810	Pearson Education, Inc.	41,773.62	05/02/2017
	01-6300-X-1110-1000-4110-225-33 0 1 General Fund		
	01-0910-X-1110-1000-4110-000-33 0 1 General Fund		
538811	Textbook Warehouse	5,475.83	05/02/2017
	01-0910-X-1110-1000-4110-000-33 0 1 General Fund		
538812	Textbook Warehouse	6,222.32	05/02/2017
	01-0910-X-1110-1000-4110-000-33 0 1 General Fund		
538813	Goodheart-Willcox Publisher	8,657.84	05/02/2017
	01-0910-X-1110-1000-4110-000-33 0 1 General Fund		
538814	CDW Government, Inc.	156.51	05/02/2017
	01-0900-X-1110-1000-4310-285-41 0 1 General Fund		
538815	Datel Systems Inc.	733.39	05/02/2017
	01-0900-X-1110-1000-4310-240-41 0 1 General Fund		
538816	W. W. Norton & Company, Inc	1,402.92	05/02/2017
	01-0910-X-1110-1000-4110-000-33 0 1 General Fund		
	01-6300-X-1110-1000-4110-220-33 0 1 General Fund		
538817	Toledo Physical Education Supply	409.28	05/03/2017
	01-0000-X-1123-1000-4310-285-11 D1 General Fund		
538818	Troxell Communications, Inc.	650.80	05/03/2017
	01-3010-X-1110-1000-4310-235-41 0 1 General Fund		
538819	Gallup, Inc.	302.25	05/03/2017
	01-3010-X-1110-2140-4310-140-40 0 1 General Fund		
538820	Boca Rio Unlimited	777.83	05/03/2017
	01-9065-X-1123-1000-4310-115-45 0 1 General Fund		
	01-9065-X-1123-1000-4310-115-50 0 1 General Fund		
538821	CDW Government, Inc.	782.54	05/03/2017
	01-0900-X-1110-1000-4310-235-41 0 1 General Fund		
538822	Troxell Communications, Inc.	316.36	05/03/2017
	01-0900-X-1110-1000-4310-235-41 0 1 General Fund		
538823	Prophet Corporation (The)	258.45	05/03/2017
	01-0000-X-1123-4200-4310-130-38 0 1 General Fund		
	01-0000-X-1110-1000-4310-130-11 D1 General Fund		
538824	Apple Computer Inc.	1,148.00	05/03/2017
	01-6500-X-5001-2110-4410-000-39 D1 General Fund		
538825	ActionTec Electronics, Inc	743.09	05/03/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-6500-X-5001-2110-4410-000-39D1 General Fund		
538826	Mrs. Nelson's Toy & Book Shop Inc.	1,300.00	05/08/2017
	01-6300-X-1110-1000-4310-130-3301 General Fund		
	01-0000-X-1110-2420-4310-130-3201 General Fund		
538827	Solcon, Inc.	7,688.55	05/03/2017
	01-3550-X-3839-1000-4310-000-3501 General Fund		
538828	Solcon, Inc.	7,688.55	05/03/2017
	01-3550-X-3839-1000-4310-000-3501 General Fund		
538829	CDW Government, Inc.	2,486.46	05/03/2017
	11-3555-X-4640-1000-4410-000-7811 Adult Education Fund		
	11-3555-X-4640-1000-4310-000-7811 Adult Education Fund		
538831	CDW Government, Inc.	1,291.25	05/03/2017
	01-0000-X-1110-2700-4410-155-2141 General Fund		
538832	B&H Photo	421.95	05/03/2017
	01-0000-X-1110-1000-4310-280-11D1 General Fund		
538833	VWR Funding, Inc.	723.68	05/03/2017
	01-6385-7-3800-1000-4310-210-50901 General Fund		
538834	Flinn Scientific, Inc.	3,261.70	05/03/2017
	01-0900-X-1110-1000-4310-230-4101 General Fund		
538835	B&H Photo	1,267.42	05/03/2017
	01-0900-X-1110-1000-4410-135-4101 General Fund		
	01-0900-X-1110-1000-4310-135-4101 General Fund		
538836	CDW Government, Inc.	268.68	05/03/2017
	01-3010-X-1110-1000-4410-235-4101 General Fund		
538837	Oriental Trading Company, Inc	243.89	05/12/2017
	01-0900-X-1110-1000-4310-295-4101 General Fund		
538838	Demco Inc.	80.17	05/15/2017
	01-0000-X-1110-2420-4310-140-3201 General Fund		
	01-6300-X-1110-1000-4310-140-3301 General Fund		
538839	Demco Inc.	111.62	05/12/2017
	01-6300-X-1110-1000-4310-245-3301 General Fund		
538840	Demco Inc.	638.12	05/15/2017
	01-0000-X-1110-2420-4310-255-11D1 General Fund		
538841	Demco Inc.	120.03	05/13/2017
	01-0000-X-1110-2420-4310-110-3201 General Fund		
538842	Boca Rio Unlimited	137.26	05/03/2017
	01-0000-X-1110-1000-4310-255-11D1 General Fund		
538843	Grainger, Inc.	492.54	05/03/2017
	01-0910-X-0000-8300-4310-000-86D1 General Fund		
538844	Grainger, Inc.	478.19	05/03/2017
	01-0910-X-0000-8300-4310-000-86D1 General Fund		
538845	Grainger, Inc.	568.95	05/03/2017
	01-0910-X-0000-8300-4310-000-86D1 General Fund		
538846	KBC Tools	2,317.38	05/03/2017
	01-9382-X-7110-1000-4310-000-9901 General Fund		
538847	Costco	889.92	05/03/2017
	01-0000-X-1191-1000-4310-125-3341 General Fund		
538848	Pasco Scientific	249.00	05/03/2017
	01-0000-X-1145-1000-4310-285-11D1 General Fund		

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
538849	CIT Bank, N.A. 01-0000-X-0000-7700-6410-000-52501 General Fund	1,481,725.61	05/03/2017
538850	CIT Bank, N.A. 01-0000-X-0000-7700-6410-000-52501 General Fund	340,389.04	05/03/2017
538851	Metal Craft 01-0000-X-0000-7500-4310-000-54301 General Fund	1,453.00	05/03/2017
538852	La Class Transportation 01-6387-X-3800-1000-5820-000-99601 General Fund	994.00	05/03/2017
538853	Rasix Computer Center, Inc. 01-0000-X-1110-1000-4310-255-11 D1 General Fund	136.40	05/03/2017
538854	Bio Company, Inc. 01-0000-X-1145-1000-4310-285-11 D1 General Fund	209.82	05/05/2017
538855	School Health Corporation 01-0910-X-0000-8300-4310-000-86 D1 General Fund	16,228.84	05/23/2017
538856	School Specialty, Inc. 01-0000-X-1190-1000-4310-000-33501 General Fund	382.54	05/17/2017
538857	Computer Comforts Inc 11-3905-X-4110-1000-4411-000-75011 Adult Education Fund	13,864.49	05/03/2017
538858	Auto Chlor System 13-5310-X-0000-3700-5620-000-69013 Cafeteria Special Revenue Fund	800.00	05/03/2017
538859	Textbook Warehouse 01-6300-X-1110-1000-4110-205-33601 General Fund	263.86	05/03/2017
538860	Lerner Publishing Group 01-0000-X-1110-2420-4210-205-32501 General Fund	3,651.94	05/03/2017
538861	VEX Robotics, Inc. 01-0000-X-3300-1000-5880-000-30501 General Fund	150.00	05/03/2017
538862	BOSU Fitness, LLC 01-4124-X-1123-1000-4310-255-41901 General Fund	1,276.81	05/03/2017
538863	Neopost USA Inc. 01-0000-X-0000-7500-4310-000-54 D1 General Fund	1,106.26	05/03/2017
538864	Association of Two-Way Dual Language Education 01-0900-X-1110-2490-5220-215-40201 General Fund	615.00	05/03/2017
538865	Avid Center 01-0900-X-1110-1000-5220-240-40201 General Fund	760.00	05/03/2017
538866	Institute for Educational Leadership Inc (The) 01-3010-X-1110-2490-5220-260-40201 General Fund 01-3010-X-1110-2700-5220-260-40201 General Fund	1,070.00	05/03/2017
538867	United Art & Education 01-0000-X-1111-1000-4310-210-11 D1 General Fund	134.77	05/03/2017
538868	Mason Crest Publishers 01-0000-X-1110-2420-4210-205-32501 General Fund	3,246.69	05/03/2017
538869	Dick Blick Company 01-0000-X-1190-1000-4310-000-33501 General Fund	219.14	05/16/2017
538870	Dick Blick Company 01-0000-X-1190-1000-4310-000-33501 General Fund	254.14	05/17/2017
538871	Rasix Computer Center, Inc. 01-0000-X-0000-7300-4310-000-56301 General Fund	779.40	05/03/2017
538872	Accent Electronics, Inc 01-8150-X-0000-8100-5620-000-86 D1 General Fund	3,950.00	05/03/2017
538873	Ewing Irrigation Products, Inc.	479.14	05/03/2017

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	01-8150-X-0000-8100-4310-000-86001 General Fund		
538874	Grainger, Inc.	130.55	05/03/2017
	01-0910-X-0000-8300-4310-000-86D1 General Fund		
538875	Grainger, Inc.	469.42	05/03/2017
	01-0910-X-0000-8300-4310-000-86D1 General Fund		
538876	San Diego State University Foundation	11,234.55	05/03/2017
	01-0900-X-1110-2100-4210-000-40D1 General Fund		
538877	Golden Star Technology, Inc.	347.48	05/03/2017
	01-0000-X-0000-7300-4310-000-56301 General Fund		
538878	Bertrands Music	90.93	05/03/2017
	01-0000-X-1190-1000-4310-000-33301 General Fund		
538879	Projector Lamp Services	552.08	05/04/2017
	01-3010-X-1110-1000-4310-235-41901 General Fund		
538880	San Diego County Superintendent of Schools	225.00	05/03/2017
	01-0900-X-1110-2700-5220-235-40D1 General Fund		
538881	Troxell Communications, Inc.	597.98	05/04/2017
	01-3010-X-1110-1000-4310-000-40301 General Fund		
538882	VILROS	820.99	05/03/2017
	01-3010-X-1110-1000-4310-000-40301 General Fund		
538883	VILROS	820.99	05/03/2017
	01-3010-X-1110-1000-4310-000-40301 General Fund		
538884	VILROS	768.39	05/03/2017
	01-3010-X-1110-1000-4310-000-40301 General Fund		
538885	Robert Bosch Tool corp	2,531.10	05/03/2017
	01-3010-X-1110-1000-4410-000-40301 General Fund		
538886	Line Printing Company (The)	43.30	05/04/2017
	01-6500-X-5001-2110-4310-000-39D1 General Fund		
538887	Robert Bosch Tool corp	1,611.80	05/04/2017
	01-3010-X-1110-1000-4310-000-40301 General Fund		
538888	Communications USA, Inc	1,748.75	05/03/2017
	01-4124-X-1110-1000-4410-225-41901 General Fund		
538889	Air Force Association	165.00	05/03/2017
	01-4124-X-1110-1000-5880-285-41901 General Fund		
538890	Safeway Inc.	200.00	05/03/2017
	01-4124-X-1110-1000-4310-225-41901 General Fund		
538891	Rasix Computer Center, Inc.	119.08	05/03/2017
	01-6500-X-5001-2110-4310-000-39D1 General Fund		
538892	Tree House, Inc. (The)	259.80	05/03/2017
	01-0000-X-1110-1000-4310-220-11D1 General Fund		
538893	School Specialty, Inc.	99.25	05/04/2017
	01-0000-X-1111-1000-4310-205-11D1 General Fund		
538894	Rasix Computer Center, Inc.	2,736.69	05/04/2017
	01-0900-X-1110-1000-4310-260-41901 General Fund		
538895	Lego Education	1,170.32	05/03/2017
	01-3010-X-1110-1000-4310-000-40301 General Fund		
538896	Rasix Computer Center, Inc.	1,883.55	05/03/2017
	01-0900-X-1110-1000-4310-215-31301 General Fund		
538897	Sport Supply Group, Inc.	2,381.31	05/03/2017
	01-4124-X-1123-1000-4310-230-41901 General Fund		
538898	Sport Supply Group, Inc.	49.78	05/03/2017

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538899	01-0000-X-1123-4200-4310-210-11201 General Fund Sport Supply Group, Inc. 01-4124-X-1123-1000-4310-230-41901 General Fund	1,324.96	05/03/2017
538900	Air Force Association 01-4124-X-1110-1000-5880-285-41901 General Fund	165.00	05/03/2017
538901	Library Store (The) 01-0000-X-1190-1000-4310-000-33501 General Fund	41.66	05/03/2017
538902	Union Electronics, Inc 01-3010-X-1110-1000-4310-235-41901 General Fund	934.18	05/03/2017
538903	Smart & Final Stores Corporation 01-0900-X-1110-2495-4317-000-40301 General Fund	100.00	05/03/2017
538904	El Tapatio Restaurant Inc. 01-4124-X-1110-1000-4310-285-45601 General Fund	1,661.64	05/03/2017
538905	TavosTacos Inc. 01-6500-X-5001-2110-4317-295-11101 General Fund	662.81	05/12/2017
538906	Royal Lines Charters, LLC 01-0900-X-1110-1000-5822-110-41901 General Fund	485.00	05/03/2017
538907	Royal Lines Charters, LLC 01-0900-X-1176-1000-5822-000-33201 General Fund	1,625.00	05/04/2017
538908	Sundance Stage Lines, Inc. 01-0000-X-1191-1000-5822-225-33401 General Fund	1,311.00	05/04/2017
538909	Presentation Products, Inc. 01-0000-X-1110-1000-4310-155-11101 General Fund	154.67	05/04/2017
538910	United States Academic Decathlon 01-0910-X-1110-1000-4110-000-33601 General Fund 01-6300-X-1110-1000-4210-255-33601 General Fund	1,755.25	05/04/2017
538911	Avid Center 01-3010-X-1110-1000-5220-130-40201 General Fund 01-3010-0-1110-2700-5220-130-40201 General Fund 01-3010-0-1110-1000-5220-130-40201 General Fund	1,520.00	05/04/2017
538912	Gallup, Inc. 01-0900-X-1110-2490-5220-230-41901 General Fund 01-0900-X-1110-2140-5220-230-41901 General Fund 01-0900-X-1110-2700-5220-230-41901 General Fund 01-0900-X-1110-1000-5220-230-41901 General Fund	2,840.50	05/04/2017
538913	Elena Aguilar Consulting 01-3010-X-1110-1000-5220-000-40201 General Fund	15,000.00	05/04/2017
538914	San Diego State University 01-3550-X-3836-2140-5220-000-35901 General Fund	2,550.00	05/04/2017
538915	AP by the Sea 01-0900-X-1110-1000-5220-260-40201 General Fund	775.00	05/04/2017
538916	AP by the Sea 01-0900-X-1110-1000-5220-240-40201 General Fund	1,550.00	05/04/2017
538917	AP by the Sea 01-4035-X-1110-1000-5220-280-40201 General Fund	775.00	05/04/2017
538918	AP by the Sea 01-0900-X-1110-1000-5220-235-40201 General Fund	775.00	05/04/2017
538919	CA Association of Directors of Activities	4,230.00	05/06/2017

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538920	01-0000-X-1110-1000-5880-260-11D1 General Fund Avid Center	2,280.00	05/04/2017
	01-0900-X-1176-1000-5220-000-33D1 General Fund		
538921	01-0900-X-1176-2700-5220-000-33D1 General Fund Avid Center	2,280.00	05/04/2017
538922	01-0900-X-1176-1000-5220-000-33D1 General Fund Avid Center	2,280.00	05/04/2017
538923	01-0900-X-1176-1000-5220-000-33D1 General Fund Avid Center	2,280.00	05/04/2017
538924	01-0900-X-1176-1000-5220-000-33D1 General Fund Avid Center	2,280.00	05/04/2017
538925	01-0900-X-1176-1000-5220-000-33D1 General Fund Avid Center	2,280.00	05/04/2017
538926	eMath Instrucion Inc. 01-0000-X-1110-2110-4320-000-32D1 General Fund	460.06	05/04/2017
538927	Troxell Communications, Inc. 01-0910-X-1110-1000-4310-000-53D1 General Fund	39,997.02	05/04/2017
538928	Varidesk, LLC 01-0000-X-0000-7600-4411-000-60D1 General Fund	519.76	05/04/2017
538929	Central Purchasing, LLC 01-3010-X-1110-1000-4310-000-40D1 General Fund	602.03	05/18/2017
538930	School Outfitters, LLC 01-3010-X-1110-1000-4310-000-40D1 General Fund	381.98	05/04/2017
538931	Demoulin Brothers & Company 01-0000-X-1191-1000-4310-215-33D1 General Fund	572.72	05/04/2017
538932	Broadway Typewriter Company Inc 01-8150-X-0000-8300-4410-000-86D1 General Fund	2,164.01	05/04/2017
538933	Home Depot 01-0000-X-1110-1000-4310-250-11D1 General Fund	161.64	05/05/2017
538934	Home Depot 01-0000-X-1110-2420-4310-240-32D1 General Fund	324.43	05/05/2017
538935	Barnes & Noble Booksellers, USA Inc. 01-3010-X-1110-2495-4310-240-40D1 General Fund	277.12	05/04/2017
538936	Grainger, Inc. 01-0910-X-0000-8300-4310-000-86D1 General Fund	485.28	05/04/2017
538937	B&H Photo 01-0900-X-1110-1000-4410-210-41D1 General Fund	2,497.31	05/04/2017
538938	Flinn Scientific, Inc. 01-7220-7-3800-1000-4310-230-50D1 General Fund	1,123.71	05/17/2017
538939	Rasix Computer Center, Inc. 11-6391-X-4110-1000-4310-405-7111 Adult Education Fund	409.19	05/04/2017
538940	Varidesk, LLC 01-0000-X-0000-7100-4310-000-66D1 General Fund	64.95	05/04/2017
538941	Varidesk, LLC 01-0000-X-1110-2700-4310-240-11D1 General Fund	535.84	05/04/2017
538942	Apple Computer Inc. 01-0900-X-1110-1000-4410-240-41D1 General Fund	1,298.95	05/04/2017
538943	Broadway Typewriter Company Inc	19,420.05	05/04/2017

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	01-0900-X-1110-1000-4410-240-41901 General Fund		
538944	SupplyMaster, Inc.	409.19	05/16/2017
	01-0000-X-0000-7100-4310-000-67201 General Fund		
538945	SupplyMaster, Inc.	235.99	05/05/2017
	11-3905-X-4110-1000-4310-000-75011 Adult Education Fund		
538946	Golden Star Technology, Inc.	1,054.77	05/04/2017
	01-0000-X-3800-1000-4410-000-72701 General Fund		
538947	Learning A-Z, LLC	89.95	05/04/2017
	01-0000-X-1110-1000-4310-145-11101 General Fund		
538948	Helfman, David	400.00	05/04/2017
	01-0000-X-1190-1000-5880-000-33301 General Fund		
538949	Faria Systems Inc.	1,500.00	05/18/2017
	01-0000-X-1110-1000-4310-205-33301 General Fund		
538950	Apple Computer Inc.	1,650.35	05/04/2017
	01-0000-X-1110-1000-4410-230-11101 General Fund		
538951	EBSCO Industries, Inc.	37.08	05/04/2017
	01-3010-X-1110-1000-4320-000-40301 General Fund		
538952	EBSCO Industries, Inc.	37.08	05/04/2017
	01-3010-X-1110-1000-4320-000-40301 General Fund		
538953	EBSCO Industries, Inc.	37.08	05/04/2017
	01-3010-X-1110-1000-4320-000-40301 General Fund		
538954	E-filliate Incorporated	452.10	05/04/2017
	01-6500-X-5770-1130-4310-000-39201 General Fund		
538955	El Tapatio Restaurant Inc.	538.54	05/04/2017
	01-0000-X-1110-2420-4317-000-52701 General Fund		
538956	Technology in Education	10,272.93	05/05/2017
	01-0900-X-1110-1000-4410-140-41901 General Fund		
538957	Lego Education	3,782.02	05/15/2017
	01-9065-X-1110-1000-4310-130-45901 General Fund		
538958	Herrera, Alberto C.	1,282.22	05/04/2017
	01-9065-X-1110-1000-4310-150-50801 General Fund		
538959	Fully Inc	1,026.21	05/04/2017
	01-0910-X-1110-2420-4411-000-52701 General Fund		
	01-0910-X-1110-2420-4310-000-52701 General Fund		
538960	Chip Enterprises Inc	7,698.20	05/04/2017
	01-0910-X-1110-2420-4411-000-52701 General Fund		
538961	Dick Blick Company	336.96	05/13/2017
	01-0000-X-1110-1000-4310-210-11101 General Fund		
	01-0000-X-1190-1000-4310-000-33301 General Fund		
538962	Flinn Scientific, Inc.	92.22	05/12/2017
	01-0000-X-1143-1000-4310-230-11101 General Fund		
538963	Flinn Scientific, Inc.	423.39	05/12/2017
	01-0000-X-1143-1000-4310-205-11101 General Fund		
538964	TFH (USA) Ltd	23.16	05/12/2017
	01-6500-X-5750-1110-4310-210-39201 General Fund		
538965	Stopper Group (The)	638.68	05/01/2017
	01-0000-X-1190-2490-4310-220-65401 General Fund		
538966	Bertrands Music	10,065.09	05/04/2017
	01-0000-X-1190-1000-4415-000-33301 General Fund		

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538967	CDW Government, Inc. 01-0000-X-1110-1000-4310-235-11 D1 General Fund	831.46	05/04/2017
538968	Oxford University Press 01-0900-X-1110-1000-4310-225-41 D1 General Fund	7,194.49	05/04/2017
538969	Smart & Final Stores Corporation 01-0000-X-1110-2700-4317-230-11 D1 General Fund	200.00	05/04/2017
538970	Kouri, Carrie A. 01-6500-X-5030-1110-4310-000-39 D1 General Fund	44.46	05/15/2017
538971	Line Printing Company (The) 01-0000-X-1110-1000-4310-285-11 D1 General Fund	49.80	05/04/2017
538972	Reuben H. Fleet Science Center 01-0900-X-1110-1000-5880-140-41 D1 General Fund	392.00	05/04/2017
538973	Innovative Therapy 4 Kids 01-6500-X-5770-1180-5830-000-39 D1 General Fund	3,000.00	05/04/2017
538974	Maintex, Inc. 01-0911-X-3550-2700-4310-270-11 D1 General Fund	63.98	05/04/2017
538975	Maintex, Inc. 01-0000-X-1110-2700-4310-250-11 D1 General Fund	75.68	05/05/2017
538976	Grainger, Inc. 01-0910-X-0000-8300-4310-000-86 D1 General Fund	669.83	05/04/2017
538977	Grainger, Inc. 01-0910-X-0000-8300-4310-000-86 D1 General Fund	469.45	05/04/2017
538978	Grainger, Inc. 01-0910-X-0000-8300-4310-000-86 D1 General Fund	427.87	05/04/2017
538979	Grainger, Inc. 01-0910-X-0000-8300-4310-000-86 D1 General Fund	477.25	05/04/2017
538980	Grainger, Inc. 01-0910-X-0000-8300-4310-000-86 D1 General Fund	603.00	05/04/2017
538981	Grainger, Inc. 01-0910-X-0000-8300-4310-000-86 D1 General Fund	470.32	05/04/2017
538982	Grainger, Inc. 01-0910-X-0000-8300-4310-000-86 D1 General Fund	729.06	05/04/2017
538983	Barnes & Noble Booksellers, USA Inc. 01-3010-X-1110-2140-4310-260-40 D1 General Fund	189.17	05/04/2017
538984	Barnes & Noble Booksellers, USA Inc. 01-3010-0-1110-2495-4310-245-40301 General Fund	98.59	05/04/2017
538985	Barnes & Noble Booksellers, USA Inc. 01-0000-X-1110-1000-4310-250-11 D1 General Fund	311.76	05/04/2017
538986	TPRS Publishing, Inc. 01-0900-X-1110-1000-4310-240-31 D1 General Fund	74.95	05/04/2017
538987	CDW Government, Inc. 01-0000-X-0000-7100-4310-000-66 D1 General Fund	277.15	05/04/2017
538988	School Specialty, Inc. 01-0900-X-1110-1000-4310-205-41 D1 General Fund	1,143.03	05/04/2017
538989	CDW Government, Inc. 11-3926-X-4110-1000-4310-000-75 D1 Adult Education Fund	417.69	05/04/2017
538990	Broadway Typewriter Company Inc 01-0000-X-0000-7100-4410-000-67 D1 General Fund	2,212.19	05/04/2017
538991	CDW Government, Inc. 11-3905-X-4110-1000-4310-000-75 D1 Adult Education Fund	555.85	05/04/2017

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538992	Hydrosprout, Inc. 01-4124-X-1110-1000-4310-225-41901 General Fund	1,477.61	05/05/2017
538993	Grainger, Inc. 01-0000-X-1190-2490-4310-240-65401 General Fund	405.91	05/04/2017
538994	Golden Star Technology, Inc. 01-0000-X-1110-2700-4410-205-11 D1 General Fund	770.45	05/04/2017
538995	Avid Center 01-0900-X-1176-1000-5220-000-33201 General Fund	760.00	05/04/2017
538996	Flinn Scientific, Inc. 01-4124-X-1110-1000-4310-285-45601 General Fund	200.87	05/17/2017
538997	Paredes, Jesus I. 01-9065-X-1110-1000-4310-115-45801 General Fund	855.18	05/17/2017
538998	La Class Transportation 01-3010-X-1110-1000-5822-125-41901 General Fund	1,291.00	05/04/2017
538999	Dick Blick Company 01-0000-X-1111-1000-4310-255-11 D1 General Fund	837.02	05/12/2017
539000	Monterey Peninsula College 01-4124-X-1110-1000-4310-230-41901 General Fund	1,114.98	05/12/2017
539001	SiteOne Landscape Supply Holding LLC 01-0000-X-0000-8100-4310-285-11 D1 General Fund	157.87	05/05/2017
539002	AP by the Sea 01-0900-X-1110-1000-5220-285-40201 General Fund	775.00	05/05/2017
539003	California Science Center Foundation 01-4124-X-1110-1000-5880-285-41901 General Fund 01-4124-X-1110-1000-5880-285-45601 General Fund	686.40	05/05/2017
539004	Chula Vista High - ASB 01-3010-X-1110-1000-5880-000-40701 General Fund	290.00	05/05/2017
539005	Olympian High - ASB 01-3010-X-1110-1000-5880-000-40701 General Fund	145.00	05/05/2017
539006	Communications USA, Inc 01-0000-X-1110-2700-4410-260-11 D1 General Fund	2,953.25	05/05/2017
539007	Broadway Typewriter Company Inc 01-0000-X-1110-2700-4410-155-21401 General Fund	439.62	05/16/2017
539008	Multi Service Technology Solutions, Inc. 01-9065-X-1110-1000-4310-140-45801 General Fund	282.72	05/05/2017
539009	Monoprice, Inc. 01-0900-X-1110-1000-4310-150-41901 General Fund	1,644.10	05/05/2017
539010	Home Depot 01-3010-X-1110-1000-4310-000-40501 General Fund	1,245.43	05/08/2017
539011	Home Depot 01-9010-0-1110-1000-4310-285-35401 General Fund	551.97	05/05/2017
539012	Home Depot 01-0910-X-1110-2420-4310-000-52701 General Fund	95.87	05/05/2017
539013	Home Depot 01-0000-X-1110-3160-4310-000-36301 General Fund	150.47	05/08/2017
539014	Home Depot 01-0910-X-1110-2420-4310-000-52701 General Fund	507.23	05/08/2017
539015	Accent Electronics, Inc 01-8150-X-0000-8100-5620-000-86601 General Fund	1,000.00	05/15/2017
539016	San Diego County Superintendent of Schools	4,000.00	05/05/2017

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	01-3010-X-1110-1000-5220-150-41901 General Fund		
539017	Hyphenet, Inc.	503.36	05/05/2017
	01-6500-X-5001-2110-4310-000-39D1 General Fund		
539018	Rosen Publishing Group, The	860.59	05/05/2017
	01-0900-X-1110-2420-4310-225-32501 General Fund		
539019	Graceland Coll Ctr for Prof Dev and Lifelong Lrng	519.55	05/05/2017
	01-0000-X-0000-8100-4310-000-88001 General Fund		
539020	Apple Computer Inc.	2,680.86	05/05/2017
	01-0000-X-1110-1000-4410-000-56801 General Fund		
539021	Hyphenet, Inc.	218.67	05/05/2017
	11-6391-X-4110-2700-4310-405-71111 Adult Education Fund		
539022	VoiceThread LLC	79.00	05/05/2017
	01-0000-X-1110-2420-4310-145-32601 General Fund		
539023	Anodyne Professional Development Services	36,000.00	05/05/2017
	01-4050-X-1110-2140-5810-000-32901 General Fund		
539024	Line Printing Company (The)	48.30	05/05/2017
	01-6500-X-5001-2110-4310-000-39D1 General Fund		
539025	Stopper Group (The)	485.00	05/05/2017
	01-8150-X-0000-8100-5620-000-86601 General Fund		
539026	Line Printing Company (The)	92.68	05/05/2017
	01-0000-X-1110-1000-4310-285-11D1 General Fund		
539027	TA Appliance Parts Company	132.57	05/05/2017
	11-6391-X-0000-8100-4310-420-71111 Adult Education Fund		
539028	Apple Computer Inc.	822.70	05/05/2017
	01-3010-X-1110-1000-4310-225-41901 General Fund		
539029	Home Depot	1,008.30	05/05/2017
	01-4124-X-1110-1000-4410-285-41901 General Fund		
	01-4124-X-1110-1000-4310-285-41901 General Fund		
539030	Home Depot	102.90	05/08/2017
	01-0000-X-0000-7700-4310-000-52D1 General Fund		
539031	Professional Tutors of America, Inc.	3,000.00	05/05/2017
	01-6500-X-5770-1180-5830-000-39D1 General Fund		
539032	Nevertardy Transit, LLC	447.32	05/05/2017
	01-0000-X-1123-4200-5822-225-11D1 General Fund		
539033	El Tapatio Restaurant Inc.	254.39	05/05/2017
	01-0000-X-1110-1000-4317-160-11D1 General Fund		
539034	Smart & Final Stores Corporation	500.00	05/05/2017
	01-4124-X-1110-1000-4310-230-41901 General Fund		
539035	Safeway Inc.	200.00	05/05/2017
	01-3010-X-1110-2495-4317-240-40301 General Fund		
539036	Smart & Final Stores Corporation	200.00	05/05/2017
	01-3010-X-1110-2495-4317-240-40301 General Fund		
539037	Safeway Inc.	500.00	05/05/2017
	01-4124-X-1110-1000-4310-285-45601 General Fund		
539038	Phil's BBQ of Point Loma Inc.	995.04	05/05/2017
	01-9065-X-1110-1000-4310-150-45801 General Fund		
539039	La Mesa Transfer & Storage, Inc	4,925.25	05/05/2017
	01-8150-X-0000-8100-5620-000-85901 General Fund		
539040	Barnes & Noble Booksellers, USA Inc.	1,747.48	05/05/2017

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	01-0000-X-1110-2420-4310-230-32501 General Fund		
	01-0000-X-1110-2420-4210-230-32601 General Fund		
539041	VS Athletics, Inc.	2,794.94	05/05/2017
	01-0000-X-1123-4200-4310-260-11201 General Fund		
539042	Phone Supplements, Inc.	274.80	05/05/2017
	01-0000-X-1110-2700-4310-110-11101 General Fund		
539043	Phone Supplements, Inc.	298.18	05/05/2017
	01-0000-X-1110-1000-4310-235-11101 General Fund		
539044	VS Athletics, Inc.	1,223.74	05/05/2017
	01-0000-X-1123-4200-4310-260-11201 General Fund		
539045	Baudville	500.60	05/05/2017
	01-0000-X-1110-1000-4310-150-56701 General Fund		
539046	Ferguson Enterprises, Inc.	1,438.64	05/05/2017
	01-8150-X-0000-8100-4310-000-86001 General Fund		
539047	Exclusive Event Party Rental	336.00	05/05/2017
	01-0000-X-0000-7600-4310-000-50101 General Fund		
539048	Jostens, Inc.	271.53	05/05/2017
	11-6391-X-4110-1000-4310-410-71111 Adult Education Fund		
539049	National Recognition Products of Southern	942.03	05/05/2017
	01-0000-X-1110-1000-4310-230-56701 General Fund		
539050	Heritage Cleaners	1,076.18	05/05/2017
	01-0000-X-1110-1000-4310-230-56701 General Fund		
539051	LogosZ, Inc	954.77	05/05/2017
	01-6385-7-3800-1000-4310-280-50901 General Fund		
539052	Dion International Trucks LLC	1,750.41	05/05/2017
	01-0000-X-0000-0000-9327-000-00001 General Fund		
539053	Kleene & Green	841.10	05/05/2017
	01-0000-X-0000-8100-4310-215-11101 General Fund		
539054	Broadway Typewriter Company Inc	1,287.76	05/05/2017
	01-6500-X-5001-2110-4410-000-39101 General Fund		
539055	Broadway Typewriter Company Inc	985.66	05/05/2017
	01-6500-X-5001-2110-4410-000-39101 General Fund		
539056	Broadway Typewriter Company Inc	1,283.61	05/08/2017
	01-0000-X-1110-2420-4410-285-32501 General Fund		
539057	Datel Systems Inc.	1,594.52	05/09/2017
	01-0000-X-1110-2420-4410-125-32501 General Fund		
539058	Pathway Communications Ltd	6,077.16	05/06/2017
	01-3010-X-1110-1000-4410-215-41901 General Fund		
539059	Dion International Trucks LLC	23,220.71	05/06/2017
	01-0000-X-0000-0000-9327-000-00001 General Fund		
539060	Home Depot	2,010.42	05/08/2017
	01-0000-X-1191-1000-4310-215-33401 General Fund		
	01-3010-X-1110-1000-4310-215-41901 General Fund		
539061	B&H Photo	954.81	05/08/2017
	01-4124-X-1110-1000-4310-225-41901 General Fund		
539062	United States Academic Decathlon	1,152.24	05/06/2017
	01-6300-X-1110-1000-4110-225-33601 General Fund		
	01-0910-X-1110-1000-4110-000-33601 General Fund		
539063	Follett School Solutions, Inc.	1,123.75	05/06/2017

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539064	01-0900-X-1110-2420-4310-225-32501 General Fund Follett School Solutions, Inc.	81.19	05/08/2017
	01-0900-X-1110-2420-4310-285-32501 General Fund		
539065	01-0000-X-1110-2420-4310-285-32501 General Fund Follett School Solutions, Inc.	2,171.07	05/06/2017
539066	01-0900-X-1110-2420-4310-135-32501 General Fund Staples Inc. & Subsidiaries	34.77	05/06/2017
539067	01-0000-X-1113-1000-4415-205-11D1 General Fund Staples Inc. & Subsidiaries	56.54	05/06/2017
539068	01-0000-X-1110-2700-4310-110-11D1 General Fund Pearson Education, Inc.	2,579.71	05/06/2017
539069	01-6387-X-3800-1000-4110-000-99601 General Fund Cengage Learning	26,819.40	05/06/2017
539070	01-6387-X-3800-1000-4110-000-99601 General Fund Learning Forward	120.25	05/06/2017
539071	01-4035-X-1110-2140-4310-000-32901 General Fund Novel Units, Inc.	69.52	05/06/2017
539072	01-0000-X-1110-2700-4310-135-11D1 General Fund Scholastic Library Publishing	1,756.25	05/06/2017
539073	01-0000-X-1110-2420-4210-205-32501 General Fund Textbook Warehouse	1,621.15	05/06/2017
539074	01-4035-X-1110-2140-4310-000-32901 General Fund CDW Government, Inc.	79.89	05/06/2017
539075	01-3010-X-1110-1000-4310-000-40501 General Fund Prophet Corporation (The)	3,120.48	05/06/2017
539076	01-4124-X-1123-1000-4310-285-41901 General Fund Prophet Corporation (The)	1,189.61	05/06/2017
539077	01-4124-X-1123-1000-4310-285-41901 General Fund All American Sports Corporation	9,874.15	05/06/2017
539078	01-0000-X-1123-4200-4310-260-11D1 General Fund Robotics Education & Competition Foundation, Inc.	350.00	05/06/2017
539079	01-0910-X-3800-1000-4310-000-72701 General Fund Genuine Parts Co.	710.91	05/06/2017
539080	01-6387-X-3800-1000-4310-000-99601 General Fund Herrera, Alberto C.	454.27	05/06/2017
539081	01-0000-X-1123-4200-4310-285-11D1 General Fund Barnes & Noble Booksellers, USA Inc.	657.73	05/06/2017
539082	01-0000-X-1110-1000-4110-205-32601 General Fund AP by the Sea	775.00	05/06/2017
539083	01-0900-X-1110-1000-5220-210-40D1 General Fund Barnes & Noble Booksellers, USA Inc.	1,519.83	05/06/2017
539084	01-0000-X-1110-2420-4310-230-32501 General Fund AP by the Sea	775.00	05/06/2017
539085	01-0900-X-1110-1000-5220-260-40D1 General Fund Association of Two-Way Dual Language Education	695.00	05/06/2017
539087	01-0900-X-1110-1000-5220-215-40D1 General Fund Douglas Food Stores, Inc.	34,478.98	05/06/2017
539088	13-5314-X-0000-3700-4410-000-69D13 Cafeteria Special Revenue Fund Prophet Corporation (The)	2,882.81	05/06/2017

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	01-0000-X-1110-1000-4310-205-11 D1 General Fund		
539089	San Diego State University	2,550.00	05/08/2017
	01-0910-X-3800-1000-5220-000-9901 General Fund		
539090	San Diego State University	1,500.00	05/08/2017
	01-0910-X-3800-1000-5220-000-9901 General Fund		
539091	Barnes & Noble Booksellers, USA Inc.	674.83	05/08/2017
	01-0000-X-1110-1000-4110-205-3201 General Fund		
539092	Broadway Typewriter Company Inc	1,404.13	05/08/2017
	01-0000-X-0000-7100-4410-000-6701 General Fund		
539093	Blackie's Trophies & Awards	80.11	05/08/2017
	01-0000-X-3100-2110-4310-000-30 D1 General Fund		
539094	Achieve3000, Inc.	7,525.09	05/08/2017
	01-3010-0-1110-1000-4320-240-41901 General Fund		
539095	California State University East Bay	5,200.00	05/08/2017
	01-3550-X-3831-2140-5220-000-3501 General Fund		
539096	Datel Systems Inc.	388.62	05/08/2017
	01-0900-X-1110-1000-4410-235-4101 General Fund		
539097	Hydrotex Partners, Ltd.	299.04	05/08/2017
	01-0000-X-0000-0000-9327-000-0001 General Fund		
539098	Troxell Communications, Inc.	29,959.27	05/08/2017
	01-0000-X-0000-7700-4310-000-52 D1 General Fund		
539099	B&H Photo	3,490.91	05/15/2017
	01-4124-X-1110-1000-4410-285-4101 General Fund		
	01-4124-X-1110-1000-4310-285-4101 General Fund		
539100	Troxell Communications, Inc.	3,191.21	05/12/2017
	01-6500-X-5001-2110-4410-000-39 D1 General Fund		
539101	PRDRepair Inc	293.56	05/08/2017
	01-6387-X-3800-1000-4310-000-9901 General Fund		
539102	Castrey, Bonnie Prouty	10,942.72	05/08/2017
	01-0000-X-0000-7600-5852-000-6041 General Fund		
539103	Hydrotex Partners, Ltd.	2,436.95	05/08/2017
	01-0000-X-0000-0000-9327-000-0001 General Fund		
539104	Apple Computer Inc.	1,926.44	05/08/2017
	01-0900-X-1110-1000-4410-140-4101 General Fund		
539105	Stopper Group (The)	500.00	05/09/2017
	01-8150-X-0000-8100-5620-000-8601 General Fund		
539106	Broadway Typewriter Company Inc	26.29	05/08/2017
	01-0000-X-0000-7600-4310-000-6041 General Fund		
539107	Kara Dodds and Associates, inc	3,000.00	05/08/2017
	01-6500-X-5770-1180-5830-000-3901 General Fund		
539108	CDW Government, Inc.	415.67	05/08/2017
	01-0000-X-0000-7700-4310-000-52 D1 General Fund		
539109	Jostens, Inc.	341.45	05/08/2017
	11-6391-X-4110-2110-4310-482-7301 Adult Education Fund		
539110	Mayer Reprographics	700.00	05/08/2017
	01-0000-X-0000-8700-5610-000-6301 General Fund		
539111	Broadway Typewriter Company Inc	3,834.40	05/08/2017
	01-6385-7-3800-1000-4410-280-50901 General Fund		
539112	Broadway Typewriter Company Inc	1,971.33	05/08/2017

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	01-6500-X-5001-2110-4410-000-39D1 General Fund		
539113	Vista Environmental Consulting, Inc	6,300.00	05/09/2017
	25-0000-X-0000-8500-6223-000-81D5 Capital Facilities Fund		
539114	San Diego Neighborhood Newspapers	302.28	05/08/2017
	40-0000-X-9002-8501-6224-000-84D0 Special Reserve Fund for Capital Outlay Projects		
539115	Mayer Reprographics	1,000.00	05/08/2017
	25-0000-X-0000-8500-6224-000-81D5 Capital Facilities Fund		
539116	Broadway Typewriter Company Inc	284.73	05/08/2017
	01-0000-X-0000-7100-4310-000-66D1 General Fund		
539117	National Business Furniture	2,830.38	05/08/2017
	01-0000-X-1110-2700-4411-225-11D1 General Fund		
539118	School Specialty, Inc.	360.25	05/08/2017
	01-6500-X-5030-1110-4310-000-39D1 General Fund		
539119	Varidesk, LLC	2,143.35	05/08/2017
	01-0000-X-1110-2700-4411-245-11D1 General Fund		
539120	Bernard Arenson, Inc.	910.87	05/08/2017
	01-0000-X-1110-2700-4411-245-11D1 General Fund		
539121	School Specialty, Inc.	60.61	05/08/2017
	01-0000-X-1110-1000-4310-225-11D1 General Fund		
539122	School Specialty, Inc.	475.61	05/08/2017
	01-0000-X-1110-1000-4310-205-11D1 General Fund		
539123	Staples Inc. & Subsidiaries	445.87	05/08/2017
	01-0000-X-1110-1000-4310-260-11D1 General Fund		
539124	Apple Computer Inc.	5,997.14	05/08/2017
	01-0000-X-1110-1000-4410-000-56D1 General Fund		
539125	Southern California Sound Image	26,770.71	05/08/2017
	01-6385-7-3800-1000-4410-215-50901 General Fund		
539126	Roman's Truck Body & Paint	293.06	05/08/2017
	01-0000-X-0000-0000-9327-000-00D1 General Fund		
539127	Wholesale Automotive Machine, Inc.	1,013.78	05/08/2017
	01-0000-X-0000-0000-9327-000-00D1 General Fund		
539128	San Diego Scenic Tours, Inc.	696.00	05/08/2017
	01-0000-X-1110-1000-5822-280-11D1 General Fund		
539129	Projector Lamp Services	333.41	05/08/2017
	01-0000-X-1110-1000-4310-125-11D1 General Fund		
539130	Home Depot	1,046.76	05/08/2017
	01-0000-X-1190-1000-4310-000-33D1 General Fund		
539131	Multi-Health Systems Inc.	1,474.91	05/08/2017
	01-6500-X-5001-3120-4310-000-39D1 General Fund		
539132	Kuta Software LLC	1,159.84	05/08/2017
	01-3010-0-1110-1000-4320-260-41901 General Fund		
539133	SupplyMaster, Inc.	235.99	05/08/2017
	01-0000-X-1110-2700-4310-225-11D1 General Fund		
539134	Dion International Trucks LLC	775.12	05/08/2017
	01-0000-X-0000-0000-9327-000-00D1 General Fund		
539135	R&B Filtration	79.37	05/08/2017
	01-8150-X-0000-8100-4310-000-86D1 General Fund		
539136	R&B Filtration	116.00	05/08/2017
	01-8150-X-0000-8100-4310-000-86D1 General Fund		
539137	R&B Filtration	56.12	05/08/2017

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	01-8150-X-0000-8100-4310-000-86301 General Fund		
539138	R&B Filtration	206.93	05/08/2017
	01-8150-X-0000-8100-4310-000-86301 General Fund		
539139	Avid Center	760.00	05/08/2017
	01-0900-X-1110-1000-5220-150-41901 General Fund		
539140	Avid Center	760.00	05/08/2017
	01-0900-X-1110-1000-5220-150-41901 General Fund		
539141	Avid Center	760.00	05/08/2017
	01-0900-X-1110-1000-5220-150-41901 General Fund		
539142	Gallup, Inc.	299.00	05/08/2017
	01-3010-X-1110-1000-5220-135-40201 General Fund		
539143	Elena Aguilar Consulting	800.00	05/09/2017
	01-3010-X-1110-1000-5220-260-40201 General Fund		
539144	Junior Library Guild	74.69	05/08/2017
	01-0000-X-1110-2420-4210-130-32601 General Fund		
539145	Junior Library Guild	66.62	05/08/2017
	01-0000-X-1110-2420-4210-130-32601 General Fund		
	01-0000-X-1110-2420-4310-130-32601 General Fund		
539146	Palos Sports, Inc.	387.38	05/08/2017
	01-0000-X-1123-4200-4310-115-38401 General Fund		
539147	ABDO Publishing	336.13	05/08/2017
	01-0000-X-1110-2420-4310-115-32601 General Fund		
539148	Barnes & Noble Booksellers, USA Inc.	38.08	05/08/2017
	01-0000-X-1162-1000-4310-225-11101 General Fund		
539149	E-W Truck & Equipment Company, Inc.	339.04	05/08/2017
	01-0000-X-0000-0000-9327-000-00001 General Fund		
539150	American Council on Excercise	173.59	05/08/2017
	01-6387-X-3800-1000-4110-000-99601 General Fund		
539151	Accelerate Learning Inc.	2,626.35	05/08/2017
	01-0900-X-1110-1000-4320-105-41901 General Fund		
539152	Prime Sports Sales & Design	1,197.25	05/08/2017
	01-0000-X-1123-1000-4310-210-87201 General Fund		
539153	CDW Government, Inc.	675.21	05/08/2017
	01-0910-X-1110-1000-4110-000-33601 General Fund		
539154	Scantron Corporation	829.92	05/08/2017
	01-0000-X-3100-1000-4310-300-30401 General Fund		
539155	Blackie's Trophies & Awards	514.19	05/08/2017
	01-0000-X-1110-1000-4310-255-11101 General Fund		
539156	Broadway Typewriter Company Inc	1,565.30	05/11/2017
	01-6387-X-3800-1000-4410-000-99601 General Fund		
539157	Broadway Typewriter Company Inc	1,565.30	05/11/2017
	01-6387-X-3800-1000-4410-000-99601 General Fund		
539158	Broadway Typewriter Company Inc	1,565.30	05/11/2017
	01-6387-X-3800-1000-4410-000-99601 General Fund		
539159	Broadway Typewriter Company Inc	1,565.30	05/11/2017
	01-6387-X-3800-1000-4410-000-99601 General Fund		
539160	Broadway Typewriter Company Inc	1,565.30	05/08/2017
	01-6387-X-3800-1000-4410-000-99601 General Fund		
539161	Kagan Publishing, Inc.	368.05	05/10/2017

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	01-0900-X-1110-1000-4310-225-41901 General Fund		
539162	REI Recreational Equipment Inc.	77.72	05/08/2017
	01-4050-X-1110-2140-4310-000-32901 General Fund		
539163	Mission Janitorial Supplies	908.78	05/08/2017
	01-0000-X-0000-8100-4310-285-11 D1 General Fund		
539164	Ace Uniforms And Accessories, Inc.	436.01	05/08/2017
	01-0910-X-0000-8300-4310-000-86 D1 General Fund		
539165	Golden Star Technology, Inc.	770.45	05/08/2017
	01-0000-X-1110-2700-4410-205-11 D1 General Fund		
539166	CDW Government, Inc.	60.71	05/08/2017
	01-0000-X-1110-2140-4310-000-32901 General Fund		
539167	Newegg Business, Inc.	3,027.87	05/09/2017
	01-0000-X-3800-1000-4310-000-72701 General Fund		
	01-0000-X-3800-1000-4410-000-72701 General Fund		
539168	Vernier Software & Technology, LLC	6,971.55	05/09/2017
	01-0910-X-1145-2490-4310-000-32 D1 General Fund		
539169	SparkFun Electronics	86.64	05/09/2017
	01-3010-X-1110-1000-4310-000-40501 General Fund		
539170	SparkFun Electronics	86.64	05/09/2017
	01-3010-X-1110-1000-4310-000-40501 General Fund		
539171	SparkFun Electronics	86.64	05/09/2017
	01-3010-X-1110-1000-4310-000-40501 General Fund		
539172	Broadway Typewriter Company Inc	221.87	05/09/2017
	01-0000-X-1110-1000-4310-280-11 D1 General Fund		
539173	B&H Photo	1,292.51	05/09/2017
	01-6386-7-3800-1000-4410-255-53701 General Fund		
539174	B&H Photo	286.40	05/09/2017
	01-4124-X-1110-1000-4310-225-41901 General Fund		
539175	Apple Computer Inc.	192.69	05/09/2017
	01-0000-X-1110-1000-4310-000-56801 General Fund		
539176	Sureride Charter Inc.	1,337.97	05/09/2017
	01-3550-X-3830-1000-5820-000-35901 General Fund		
539177	Multi Service Technology Solutions, Inc.	389.68	05/09/2017
	01-0000-X-1110-4200-4310-000-37701 General Fund		
539178	Express Pipe & Supply Co., Inc.	1,681.87	05/09/2017
	01-8150-X-0000-8100-4310-000-86001 General Fund		
539179	Digicert, Inc	1,425.00	05/09/2017
	01-0000-X-0000-7700-5620-000-52501 General Fund		
539180	Fuller Ford	3,000.00	05/09/2017
	01-0000-X-0000-0000-9327-000-00001 General Fund		
539181	IVS Computer Technology	125.00	05/09/2017
	01-0000-X-1110-1000-4310-150-11 D1 General Fund		
539182	Phone Supplements, Inc.	278.30	05/09/2017
	01-6500-X-5001-2110-4310-295-11 D1 General Fund		
539183	Broadway Typewriter Company Inc	233.38	05/09/2017
	01-0900-X-1110-1000-4310-205-41901 General Fund		
539184	Home Depot	133.49	05/09/2017
	01-0000-X-1110-2700-4310-105-11 D1 General Fund		
539185	Home Depot	21,954.13	05/09/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-0910-X-0000-8300-4310-000-86D1 General Fund		
539186	Smart & Final Stores Corporation	264.00	05/09/2017
	01-0000-X-1110-1000-4310-255-11D1 General Fund		
539187	Crisis Prevention Institute Inc	1,499.00	05/09/2017
	01-6500-X-5001-2140-5220-000-37D1 General Fund		
539188	YMCA of San Diego County	1,100.00	05/09/2017
	01-9065-X-1110-1000-5880-130-45D1 General Fund		
539189	iDesign USA Corp.	13,894.97	05/09/2017
	01-0910-X-3800-1000-4310-000-99D1 General Fund		
	01-0910-X-3800-1000-4410-000-99D1 General Fund		
539190	iDesign USA Corp.	2,551.76	05/09/2017
	01-0910-X-3800-1000-4410-000-99D1 General Fund		
539191	Golden Star Technology, Inc.	1,620.50	05/09/2017
	01-0000-X-0000-7200-4410-000-67D1 General Fund		
539192	Whitaker Brothers Business Machines, Inc.	2,326.29	05/09/2017
	01-0000-X-1110-1000-4410-235-11D1 General Fund		
539193	Air Force Association	1,050.00	05/09/2017
	01-0910-X-3800-1000-4310-000-72D1 General Fund		
539194	Air Force Association	389.70	05/09/2017
	01-0910-X-3800-1000-4310-000-72D1 General Fund		
539195	Broadway Typewriter Company Inc	378.51	05/09/2017
	01-0000-X-1110-2700-4310-235-11D1 General Fund		
539196	Robotics Education & Competition Foundation, Inc.	350.00	05/09/2017
	01-4124-X-1110-1000-5880-260-41D1 General Fund		
539197	Herrera, Alberto C.	460.66	05/09/2017
	01-0000-X-1110-2700-4310-235-11D1 General Fund		
539198	CDW Government, Inc.	1,339.05	05/09/2017
	01-6500-X-5770-1130-4310-000-39D1 General Fund		
539199	Golden Star Technology, Inc.	730.31	05/09/2017
	01-0000-X-1110-1000-4410-000-56D1 General Fund		
539201	El Tapatio Restaurant Inc.	156.96	05/09/2017
	01-0000-X-1110-4300-4310-000-61D1 General Fund		
539202	Silver Creek Industries, Inc.	273,163.00	05/10/2017
	25-0000-X-9020-8500-6210-000-81D1 Capital Facilities Fund		
539203	Waxie's Enterprises, Inc.	3,015.00	05/09/2017
	01-0000-X-0000-8100-4310-000-16D1 General Fund		
539204	JES Engraving Company, Inc.	223.20	05/09/2017
	01-0000-X-1110-1000-4310-230-11D1 General Fund		
539205	NCHERM Group, LLC, (The)	2,998.00	05/09/2017
	01-0000-X-0000-7200-4310-000-67D1 General Fund		
539206	Beale Ash Inc	3,245.59	05/17/2017
	01-0000-X-1110-2700-4410-105-11D1 General Fund		
539207	Beale Ash Inc	106.36	05/09/2017
	01-0000-X-1110-1000-4330-105-11D1 General Fund		
539208	United Transmission Exchange, Inc.	3,242.09	05/09/2017
	01-0000-X-0000-0000-9327-000-00D1 General Fund		
539209	Dande, Inc	1,983.29	05/09/2017
	01-0000-X-0000-0000-9327-000-00D1 General Fund		
539210	Creative Bus Sales, Inc.	2,273.77	05/09/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-0000-X-0000-0000-9327-000-00001 General Fund		
539211	Bonita Pipeline, Inc.	6,303.04	05/09/2017
	49-0001-X-9011-8100-5610-000-8149 Capital Projects Fund for Blended Component Units		
539212	Accent Electronics, Inc	1,100.00	05/09/2017
	01-8150-X-0000-8100-5620-000-86601 General Fund		
539213	Hawthorne Rent It Service	4,220.80	05/09/2017
	01-8150-X-0000-8100-5620-000-85001 General Fund		
539214	Jones School Supply Co., Inc	26.90	05/09/2017
	01-0000-X-1110-1000-4310-150-56701 General Fund		
539215	Graceland Coll Ctr for Prof Dev and Lifelong Lrng	597.00	05/09/2017
	01-4035-X-1110-2140-5221-922-41901 General Fund		
539216	Sport Supply Group, Inc.	3,463.12	05/09/2017
	01-9065-X-1123-1000-4310-115-50801 General Fund		
539217	Copy Link, Inc.	4,005.25	05/09/2017
	01-0000-X-1110-2700-4410-135-11101 General Fund		
539218	Association of African American Educators (AAAE)	700.00	05/10/2017
	01-0900-X-1110-1000-5220-000-68201 General Fund		
539219	Hydrosprout, Inc.	1,477.61	05/19/2017
	01-0000-X-1110-1000-4310-225-11101 General Fund		
539220	Anytime Sign Solutions Inc.	1,523.92	05/10/2017
	01-0000-X-1123-4300-4410-000-61801 General Fund		
539221	CDW Government, Inc.	631.23	05/10/2017
	01-0900-X-1110-1000-4410-210-41901 General Fund		
539222	Power Systems, Inc.	282.14	05/10/2017
	01-6385-7-3800-1000-4310-280-50901 General Fund		
539223	Staples Inc. & Subsidiaries	1,645.40	05/10/2017
	01-0000-X-0000-8100-4310-245-11101 General Fund		
539224	Willys Electronic Supply Co Inc	4,366.72	05/10/2017
	11-3926-X-4110-1000-4310-000-75011 Adult Education Fund		
539225	Refrigeration Supplies Distributor	1,191.33	05/10/2017
	01-8150-X-0000-8100-4310-000-86301 General Fund		
539226	Refrigeration Supplies Distributor	1,516.92	05/10/2017
	01-8150-X-0000-8100-4310-000-86301 General Fund		
539227	SiteOne Landscape Supply Holding LLC	1,045.23	05/10/2017
	01-8150-X-0000-8100-4310-000-86701 General Fund		
539228	SiteOne Landscape Supply Holding LLC	352.28	05/10/2017
	01-0000-X-0000-8100-4310-235-11101 General Fund		
539229	Grainger, Inc.	1,652.87	05/10/2017
	01-8150-X-0000-8100-4310-000-85301 General Fund		
	01-8150-X-0000-8100-4310-000-85401 General Fund		
539230	Grainger, Inc.	592.14	05/10/2017
	01-0910-X-0000-8300-4310-000-86101 General Fund		
539231	American Center for Learning	450.00	05/10/2017
	01-6500-X-5770-1180-5830-000-39201 General Fund		
539232	New Alternatives, Inc.	25,000.00	05/10/2017
	01-6512-X-5770-1180-5831-000-39201 General Fund		
539233	Klear Indsutries LLC	687.80	05/10/2017
	01-0000-X-1110-1000-4310-215-22201 General Fund		
539234	Accent Electronics, Inc	662.47	05/10/2017

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	01-8150-X-0000-8100-4310-000-8601 General Fund		
539235	Accent Electronics, Inc	2,265.00	05/10/2017
	13-5310-X-0000-3700-4730-215-6913 Cafeteria Special Revenue Fund		
539236	Glass Company, Inc. (The)	1,580.00	05/10/2017
	01-8150-X-0000-8100-5620-000-8651 General Fund		
539237	Glass Company, Inc. (The)	1,755.00	05/10/2017
	01-8150-X-0000-8100-5620-000-8651 General Fund		
539238	Glass Company, Inc. (The)	260.00	05/10/2017
	01-8150-X-0000-8100-5620-000-8511 General Fund		
539239	Glass Company, Inc. (The)	1,930.00	05/10/2017
	01-8150-X-0000-8100-5620-000-8651 General Fund		
539240	Apple Computer Inc.	168.87	05/10/2017
	01-6500-X-5770-1130-4310-000-3921 General Fund		
539241	Legoland	344.00	05/10/2017
	01-9065-X-1110-1000-5880-135-4591 General Fund		
539242	Myers-Stevens & Toohey & Co, Inc	59.50	05/10/2017
	01-4124-X-1110-1000-5410-260-4191 General Fund		
539243	Paper Direct, Inc.	228.74	05/10/2017
	01-0000-X-1110-1000-4310-000-5681 General Fund		
539244	Sundance Stage Lines, Inc.	785.00	05/10/2017
	01-0000-X-1123-1000-5822-220-1121 General Fund		
539245	Avid Center	5,320.00	05/10/2017
	01-4203-0-1110-2700-5220-000-40201 General Fund		
	01-4203-0-1110-1000-5220-000-40201 General Fund		
539246	Avid Center	5,320.00	05/10/2017
	01-4203-0-1110-2700-5220-000-40201 General Fund		
	01-4203-0-1110-1000-5220-000-40201 General Fund		
539247	San Diego County Superintendent of Schools	5,600.00	05/10/2017
	01-3010-X-1110-2100-5220-000-4041 General Fund		
539248	Gallup, Inc.	897.00	05/10/2017
	01-0900-X-1110-3110-5220-155-4021 General Fund		
	01-0900-X-1110-2490-5220-155-4021 General Fund		
539249	Prophet Corporation (The)	72.09	05/10/2017
	01-0000-X-1110-1000-4310-205-1111 General Fund		
539250	Textbook Warehouse	456.06	05/10/2017
	01-0000-X-1110-2420-4310-285-1111 General Fund		
	01-0000-X-1110-2420-4310-285-3251 General Fund		
	01-0000-X-1110-1000-4110-285-3261 General Fund		
539251	JW Pepper & Son, Inc.	309.10	05/10/2017
	01-0000-X-1113-1000-4310-230-1111 General Fund		
539252	Prophet Corporation (The)	771.96	05/10/2017
	01-0900-X-1110-1000-4310-150-4191 General Fund		
539253	Oxford University Press	881.24	05/10/2017
	01-4203-0-1110-1000-4310-000-40201 General Fund		
539254	Follett School Solutions, Inc.	273.80	05/10/2017
	01-0000-X-1110-2420-4210-225-1111 General Fund		
539255	Perma-Bound Books	3,591.18	05/10/2017
	01-0000-X-1110-1000-4110-205-3261 General Fund		
539256	Chair Slippers	96.54	05/10/2017

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	01-6500-X-5001-2110-4310-000-39D1 General Fund		
539257	R&B Filtration	417.76	05/10/2017
	01-8150-X-0000-8100-4310-000-86D1 General Fund		
539258	Socal Artisan Foods Inc.	1,968.40	05/10/2017
	01-0000-X-1110-1000-4317-260-11D1 General Fund		
539259	San Diego Scenic Tours, Inc.	912.00	05/10/2017
	01-0000-X-1110-1000-5822-280-11D1 General Fund		
539260	B&H Photo	4,267.60	05/23/2017
	01-7220-8-3800-1000-4310-235-51301 General Fund		
539261	SupplyMaster, Inc.	235.99	05/10/2017
	01-3010-X-1110-2100-4410-000-40D1 General Fund		
539262	Apple Computer Inc.	1,016.47	05/12/2017
	01-9065-X-1110-1000-4410-120-45D1 General Fund		
539263	Apple Computer Inc.	313.93	05/10/2017
	01-3010-X-1110-1000-4310-110-41D1 General Fund		
539264	Apple Computer Inc.	2,477.68	05/10/2017
	01-9065-X-1110-1000-4410-135-45D1 General Fund		
539265	Broadway Typewriter Company Inc	5,609.81	05/10/2017
	01-3010-X-1110-2100-4410-000-40D1 General Fund		
539266	CDW Government, Inc.	7,968.50	05/10/2017
	01-0900-X-1110-1000-4310-155-41D1 General Fund		
539267	El Tapatio Restaurant Inc.	638.68	05/10/2017
	01-9065-X-1110-1000-4310-115-45D1 General Fund		
539268	El Tapatio Restaurant Inc.	415.41	05/10/2017
	01-0000-X-1110-4300-4317-000-61D1 General Fund		
539269	Creative Company (The)	194.53	05/10/2017
	01-0000-X-1110-2420-4210-105-32D1 General Fund		
539270	Mission Janitorial Supplies	290.11	05/10/2017
	01-0000-X-0000-8100-4310-220-11D1 General Fund		
539271	SimplexGrinnell LP	1,750.96	05/10/2017
	01-8150-X-0000-8100-5620-000-86D1 General Fund		
539272	SimplexGrinnell LP	929.66	05/10/2017
	01-8150-X-0000-8100-5620-000-86D1 General Fund		
539273	SimplexGrinnell LP	808.91	05/10/2017
	01-8150-X-0000-8100-5620-000-86D1 General Fund		
539274	SimplexGrinnell LP	721.28	05/10/2017
	01-8150-X-0000-8100-5620-000-86D1 General Fund		
539275	JW Pepper & Son, Inc.	307.94	05/11/2017
	01-0000-X-1113-1000-4310-230-11D1 General Fund		
	01-0000-X-1143-1000-4310-230-11D1 General Fund		
539276	Laminex, Inc.	190.97	05/10/2017
	01-3010-X-1110-1000-4310-235-41D1 General Fund		
539277	SD Science Education Conference	145.00	05/10/2017
	01-4050-X-1110-2140-5220-000-32D1 General Fund		
539278	B&H Photo	480.29	05/10/2017
	01-4124-X-1110-1000-4310-230-41D1 General Fund		
539279	CPM Educational Programs	581.85	05/10/2017
	01-0000-X-1110-1000-4110-140-32D1 General Fund		
539280	Grainger, Inc.	545.34	05/11/2017

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	01-0910-X-0000-8300-4310-000-86D1 General Fund		
539281	Grainger, Inc.	574.53	05/10/2017
	01-0000-X-1190-2490-4310-220-654D1 General Fund		
539282	Mayesh Wholesale Florist, Inc.	5,000.00	05/10/2017
	11-6391-X-4110-1000-4310-415-71111 Adult Education Fund		
539283	Smart & Final Stores Corporation	300.00	05/10/2017
	01-9065-X-1110-1000-4310-125-458D1 General Fund		
539284	Brustein & Manasevit PLLC	572.26	05/10/2017
	01-3010-X-1110-2100-4310-000-404D1 General Fund		
539285	Barnes & Noble Booksellers, USA Inc.	860.68	05/10/2017
	01-4124-X-1110-1000-4310-285-456D1 General Fund		
539286	Barnes & Noble Booksellers, USA Inc.	48.32	05/10/2017
	01-3010-0-1110-1000-4210-260-41901 General Fund		
539287	Barnes & Noble Booksellers, USA Inc.	912.60	05/10/2017
	01-0000-X-1110-2420-4310-230-325D1 General Fund		
539288	Apple Computer Inc.	12,951.27	05/10/2017
	01-3010-X-1110-1000-4410-000-405D1 General Fund		
539289	Barnes & Noble Booksellers, USA Inc.	1,817.08	05/10/2017
	01-0000-X-1110-1000-4310-280-111D1 General Fund		
539290	Anytime Sign Solutions Inc.	155.88	05/10/2017
	01-0000-X-1123-4200-4310-000-384D1 General Fund		
539291	Textbook Warehouse	669.96	05/10/2017
	01-0000-X-1110-1000-4110-120-326D1 General Fund		
539292	Pearson Education, Inc.	3,440.66	05/10/2017
	01-0000-X-1110-2110-5890-000-351D1 General Fund		
	01-6387-X-3800-1000-4110-000-996D1 General Fund		
539293	Line-X San Diego	866.00	05/10/2017
	01-9025-X-3800-1000-4310-000-998D1 General Fund		
539294	Safeway Inc.	150.00	05/10/2017
	01-4124-X-1110-1000-4310-245-456D1 General Fund		
	01-4124-X-1110-1000-4310-245-419D1 General Fund		
539295	Barnes & Noble Booksellers, USA Inc.	3,210.59	05/10/2017
	01-0900-X-1176-1000-4210-000-332D1 General Fund		
539296	Follett School Solutions, Inc.	1,034.82	05/11/2017
	01-0900-X-1110-1000-4310-205-419D1 General Fund		
	01-0000-X-1110-2420-4410-105-325D1 General Fund		
539297	Accrediting Commission for Schools (WASC)	126.59	05/12/2017
	01-0000-X-3550-1000-4310-160-228D1 General Fund		
539298	Accrediting Commission for Schools (WASC)	53.30	05/12/2017
	01-0000-X-3550-1000-4310-160-228D1 General Fund		
539299	Myers-Stevens & Toohey & Co, Inc	43.75	05/10/2017
	01-4124-X-1110-1000-5410-210-456D1 General Fund		
539300	Project Lead The Way, Inc.	556.41	05/10/2017
	01-7220-7-3800-1000-4310-230-50901 General Fund		
539301	Hidden Valley Investments, Inc	35,250.13	05/22/2017
	01-0910-X-0000-3600-6410-000-546D1 General Fund		
539302	Paton Miller LLC	1,708.75	05/10/2017
	01-3010-X-1110-1000-4310-235-419D1 General Fund		
539303	Pearson Education, Inc.	2,064.60	05/10/2017

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	01-0000-X-1110-1000-4310-280-11D1 General Fund		
539304	Prime Sports Sales & Design	308.51	05/10/2017
	01-0000-X-1123-1000-4310-210-87D1 General Fund		
539305	Cheng & Tsui Co.	7,725.42	05/10/2017
	01-0910-X-1110-1000-4110-000-33D1 General Fund		
539306	Prime Sports Sales & Design	170.49	05/10/2017
	01-0000-X-1123-4200-4310-210-11D1 General Fund		
539307	Copy Link, Inc.	101.67	05/10/2017
	01-0000-X-0000-7300-4310-000-56D1 General Fund		
539308	Prime Sports Sales & Design	139.64	05/10/2017
	01-0000-X-1123-4200-4410-000-38D1 General Fund		
539309	Prime Sports Sales & Design	569.07	05/10/2017
	01-0000-X-1123-4200-4310-210-11D1 General Fund		
539310	CPM Educational Programs	2,506.92	05/10/2017
	01-0910-X-1110-1000-4110-000-33D1 General Fund		
539311	Grand Pacific Charter	580.00	05/10/2017
	01-3550-X-3830-1000-5820-000-35D1 General Fund		
539312	Tree House, Inc. (The)	122.32	05/10/2017
	01-0000-X-1115-1000-4310-225-11D1 General Fund		
539313	Rasix Computer Center, Inc.	538.95	05/31/2017
	01-3010-0-1110-1000-4310-120-41D1 General Fund		
539314	Rasix Computer Center, Inc.	63.87	05/10/2017
	01-3010-X-1110-1000-4310-210-41D1 General Fund		
539315	Rasix Computer Center, Inc.	825.95	05/10/2017
	01-0000-X-1110-2140-4310-000-32D1 General Fund		
539316	Rasix Computer Center, Inc.	231.66	05/10/2017
	01-6387-X-3800-1000-4310-000-99D1 General Fund		
539317	Psychological Assessment Resources, Inc.	2,814.50	05/11/2017
	01-6500-X-5001-3120-4310-000-39D1 General Fund		
539318	Lone Star Learning Sales & Marketing, Inc.	822.54	05/16/2017
	01-0900-X-1110-1000-4310-150-41D1 General Fund		
	01-0900-X-1110-1000-4320-150-41D1 General Fund		
539319	Paper Direct, Inc.	429.17	05/11/2017
	01-0000-X-1110-2700-4310-110-11D1 General Fund		
539320	Kelly Paper Co.	176.66	05/11/2017
	01-0000-X-1123-4000-4310-000-38D1 General Fund		
539321	San Diego State University Foundation	1,550.00	05/11/2017
	01-0910-X-3800-1000-5220-000-99D1 General Fund		
539322	ABDO Publishing	1,398.10	05/11/2017
	01-0000-X-1110-2420-4310-120-32D1 General Fund		
539323	Avid Center	760.00	05/11/2017
	01-0900-X-1176-2100-5220-000-33D1 General Fund		
539324	San Diego County Superintendent of Schools	105.00	05/11/2017
	01-3010-X-1110-2490-5220-120-40D1 General Fund		
539325	Regents of the University of California	750.00	05/11/2017
	01-0000-X-3800-1000-5220-000-72D1 General Fund		
539326	Lego Education	1,841.11	05/11/2017
	01-9065-X-1110-1000-4310-135-50D1 General Fund		
539327	Insight Public Sector, Inc.	114.22	05/11/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-0900-X-1110-1000-4320-155-41901 General Fund		
539328	Legacy Graphics LLC	162.38	05/11/2017
	01-0000-X-1110-2110-5890-000-35D1 General Fund		
539329	NCS Pearson, Inc.	165.00	05/11/2017
	11-3555-X-4630-1000-5890-000-78111 Adult Education Fund		
539330	Broadway Typewriter Company Inc	2,221.88	05/11/2017
	01-6386-7-3800-1000-4410-255-53701 General Fund		
539331	Broadway Typewriter Company Inc	1,147.50	05/11/2017
	01-0900-X-1110-2100-4410-000-37901 General Fund		
539332	AP by the Sea	750.00	05/11/2017
	01-0900-X-1110-1000-5220-235-40D1 General Fund		
539333	Broadway Typewriter Company Inc	985.66	05/11/2017
	01-0900-X-1110-2100-4410-000-37901 General Fund		
539334	Broadway Typewriter Company Inc	918.63	05/11/2017
	01-0900-X-1110-2100-4410-000-37901 General Fund		
539335	Broadway Typewriter Company Inc	2,808.26	05/11/2017
	01-0900-X-1110-2100-4410-000-37901 General Fund		
539336	Royal Lines Charters, LLC	1,075.00	05/11/2017
	01-3010-X-1110-1000-5822-125-41901 General Fund		
539337	National Recognition Products of Southern	186.38	05/11/2017
	01-0000-X-1110-1000-4310-295-56701 General Fund		
539338	Sandoval, Arick	1,700.00	05/11/2017
	01-0000-X-1110-1000-4310-230-11D1 General Fund		
539339	San Diego Unified School District	27,000.00	05/11/2017
	01-0000-X-1110-3900-5820-000-38D1 General Fund		
539340	BJ's Rentals, Inc.	483.41	05/11/2017
	01-8150-X-0000-8100-5620-000-86301 General Fund		
539341	Paredes, Jesus I.	947.19	05/11/2017
	01-9065-X-1110-1000-4310-115-45801 General Fund		
539342	Good Sports Plus LTD	1,200.00	05/11/2017
	01-4124-X-1110-1000-5880-255-45601 General Fund		
539343	Broadway Typewriter Company Inc	2,875.80	05/11/2017
	01-4124-X-1110-1000-4410-260-41901 General Fund		
539344	Barnes & Noble Booksellers, USA Inc.	4,843.97	05/11/2017
	01-6385-7-3800-1000-5880-215-50901 General Fund		
539345	Suzie's Farm	1,200.00	05/11/2017
	01-0900-X-1110-1000-5880-110-41901 General Fund		
539346	Grey House Publishing	161.83	05/11/2017
	01-0000-X-1110-2420-4210-260-32601 General Fund		
539347	Kleene & Green	106.34	05/11/2017
	01-0900-X-1110-1000-4310-135-31801 General Fund		
539348	Broadway Typewriter Company Inc	33,889.05	05/11/2017
	01-6387-X-3800-1000-4410-000-99601 General Fund		
539349	Cottonwood Electric Cart Service	4,323.70	05/11/2017
	01-0000-X-0000-7200-6410-000-67D1 General Fund		
539350	Broadway Typewriter Company Inc	47,512.31	05/11/2017
	01-6387-X-3800-1000-4410-000-99601 General Fund		
539351	Broadway Typewriter Company Inc	47,512.31	05/11/2017
	01-6387-X-3800-1000-4410-000-99601 General Fund		
539352	Broadway Typewriter Company Inc	47,512.31	05/11/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-6387-X-3800-1000-4410-000-9901 General Fund		
539353	Broadway Typewriter Company Inc	47,512.31	05/11/2017
	01-6387-X-3800-1000-4410-000-9901 General Fund		
539354	Broadway Typewriter Company Inc	47,512.31	05/11/2017
	01-6387-X-3800-1000-4410-000-9901 General Fund		
539355	Broadway Typewriter Company Inc	47,512.31	05/11/2017
	01-6387-X-3800-1000-4410-000-9901 General Fund		
539356	Broadway Typewriter Company Inc	47,512.31	05/11/2017
	01-6387-X-3800-1000-4410-000-9901 General Fund		
539357	Broadway Typewriter Company Inc	12,638.65	05/12/2017
	01-6387-X-3800-1000-4410-000-9901 General Fund		
539358	Broadway Typewriter Company Inc	856.85	05/11/2017
	01-6387-X-3800-1000-4410-000-9901 General Fund		
539359	Broadway Typewriter Company Inc	1,565.30	05/11/2017
	01-6387-X-3800-1000-4410-000-9901 General Fund		
539360	Broadway Typewriter Company Inc	1,565.30	05/11/2017
	01-6387-X-3800-1000-4410-000-9901 General Fund		
539361	Follett School Solutions, Inc.	2,493.00	05/11/2017
	01-0000-X-1110-1000-4310-145-11 D1 General Fund		
539362	J.R. Simplot Company	1,822.93	05/11/2017
	01-0000-X-1110-4300-4310-000-61801 General Fund		
539363	J.R. Simplot Company	1,191.72	05/11/2017
	01-0000-X-1123-4200-4310-000-38401 General Fund		
539364	J.R. Simplot Company	1,191.72	05/11/2017
	01-0000-X-1123-4200-4310-000-38401 General Fund		
539365	Grainger, Inc.	3,354.22	05/11/2017
	01-0910-X-0000-8300-4310-000-86 D1 General Fund		
539366	Datel Systems Inc.	388.62	05/11/2017
	01-0000-X-1110-2700-4410-205-11 D1 General Fund		
539367	Vista Higher Learning, Inc	245.75	05/11/2017
	01-0000-X-1110-1000-4310-280-11 D1 General Fund		
539368	Prophet Corporation (The)	3,302.60	05/11/2017
	01-6385-7-3800-1000-4310-280-50901 General Fund		
539369	Prime Sports Sales & Design	75.61	05/11/2017
	01-4124-X-1123-1000-4310-255-41901 General Fund		
539370	Sport Supply Group, Inc.	1,963.50	05/11/2017
	01-4124-X-1123-1000-4310-255-41901 General Fund		
539371	Communications USA, Inc	5,571.09	05/11/2017
	01-0000-X-1110-1000-4410-235-11 D1 General Fund		
539372	Genuine Parts Co.	813.57	05/11/2017
	01-6387-X-3800-1000-4310-000-9901 General Fund		
539373	Advanced Healthstyles Fitness Equipment, Inc.	6,895.51	05/22/2017
	01-6387-X-3800-1000-4310-000-9901 General Fund		
539374	Musician's Friend Inc	1,461.31	05/11/2017
	01-0000-X-1190-2490-4410-215-65401 General Fund		
539375	Advanced Healthstyles Fitness Equipment, Inc.	4,696.04	05/22/2017
	01-6387-X-3800-1000-4410-000-9901 General Fund		
539376	Regents of the University of California	19,485.00	05/11/2017
	01-0910-X-1110-1000-4110-000-33601 General Fund		
539377	Troxell Communications, Inc.	393.64	05/11/2017

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	01-0000-X-1110-2700-4410-205-11 D1 General Fund		
539378	Association for Unmanned Vehicle Systems	3,795.11	05/11/2017
	01-0910-X-3800-1000-4310-000-72 D1 General Fund		
539379	B&H Photo	493.96	05/11/2017
	01-7220-8-3800-1000-4310-235-51301 General Fund		
539380	Palos Sports, Inc.	451.89	05/11/2017
	01-0000-X-1122-1000-4310-225-11 D1 General Fund		
539381	Orca Book Publishers, Inc.	422.22	05/11/2017
	01-0900-X-1110-2420-4310-120-32 D1 General Fund		
539382	San Diego County Superintendent of Schools	3,000.00	05/11/2017
	01-9010-X-1110-1000-5810-000-45 D1 General Fund		
539383	Follett School Solutions, Inc.	516.88	05/11/2017
	01-0000-X-1110-2420-4310-115-32 D1 General Fund		
539384	YMCA of San Diego County	730.00	05/11/2017
	01-9065-X-1110-1000-5880-130-45 D1 General Fund		
539385	Woodwind & Brasswind, Inc	543.42	05/11/2017
	01-0000-X-1113-1000-4310-285-11 D1 General Fund		
539386	Parent Institute For Quality Education	5,000.00	05/11/2017
	01-3010-X-1110-2495-5810-260-40 D1 General Fund		
539387	YMCA of San Diego County	400.00	05/11/2017
	01-9065-X-1110-1000-5880-110-50 D1 General Fund		
539388	YMCA of San Diego County	330.00	05/11/2017
	01-9065-X-1110-1000-5880-110-50 D1 General Fund		
539389	Mendes Training & Consulting, Inc.	2,800.00	05/11/2017
	01-0900-X-1110-1000-5810-000-68 D1 General Fund		
539390	Smart & Final Stores Corporation	1,000.00	05/11/2017
	01-0000-X-1110-1000-4317-255-11 D1 General Fund		
539391	Smart & Final Stores Corporation	500.00	05/11/2017
	01-9065-X-1110-1000-4310-150-45 D1 General Fund		
539392	Smart & Final Stores Corporation	500.00	05/30/2017
	01-9065-X-1110-1000-4310-150-45 D1 General Fund		
539393	Safeway Inc.	500.00	05/11/2017
	01-9065-X-1110-1000-4310-150-45 D1 General Fund		
539394	Safeway Inc.	500.00	05/11/2017
	01-9065-X-1110-1000-4310-150-45 D1 General Fund		
539395	Safeway Inc.	500.00	05/11/2017
	01-4124-X-1110-1000-4310-260-41 D1 General Fund		
539396	Smart & Final Stores Corporation	200.00	05/11/2017
	01-0000-X-1110-2700-4317-140-11 D1 General Fund		
539397	Smart & Final Stores Corporation	500.00	05/11/2017
	01-0000-X-1110-3900-4317-000-38 D1 General Fund		
539398	Smart & Final Stores Corporation	88.00	05/11/2017
	01-6500-X-5001-2110-4317-000-39 D1 General Fund		
539399	Safeway Inc.	500.00	05/30/2017
	01-4124-X-1110-1000-4310-285-45 D1 General Fund		
539400	Safeway Inc.	500.00	05/11/2017
	01-9065-X-1110-1000-4310-115-50 D1 General Fund		
539401	Smart & Final Stores Corporation	500.00	05/11/2017
	01-9065-X-1110-1000-4310-135-50 D1 General Fund		
539402	Smart & Final Stores Corporation	500.00	05/11/2017

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	01-9065-X-1110-1000-4310-140-4501 General Fund		
539403	Rasix Computer Center, Inc.	789.14	05/13/2017
	01-0900-X-1176-1000-4310-000-3301 General Fund		
539404	Rasix Computer Center, Inc.	330.57	05/25/2017
	01-0000-X-1110-1000-4310-160-1101 General Fund		
539405	Rasix Computer Center, Inc.	1,228.64	05/12/2017
	01-0000-X-1110-1000-4310-105-1101 General Fund		
539406	Rasix Computer Center, Inc.	2,353.36	05/11/2017
	11-6391-X-4110-1000-4310-410-7111 Adult Education Fund		
539407	Rasix Computer Center, Inc.	593.78	05/11/2017
	01-6385-7-3800-1000-4310-260-50001 General Fund		
539409	Rasix Computer Center, Inc.	673.40	05/16/2017
	01-6385-7-3800-1000-4310-280-50901 General Fund		
539410	Rasix Computer Center, Inc.	515.27	05/11/2017
	01-0000-X-3300-1000-4310-000-3001 General Fund		
539411	Rasix Computer Center, Inc.	246.81	05/11/2017
	01-0911-X-3550-2700-4310-270-1101 General Fund		
539413	Rasix Computer Center, Inc.	88.77	05/13/2017
	01-0000-X-1110-3110-4310-210-1101 General Fund		
539414	Rasix Computer Center, Inc.	2,333.87	05/13/2017
	01-0000-X-1110-2700-4310-235-1101 General Fund		
539415	Rasix Computer Center, Inc.	77.94	05/12/2017
	01-6500-X-5001-2110-4310-000-3901 General Fund		
539416	Rasix Computer Center, Inc.	1,380.19	05/12/2017
	13-5310-X-0000-3700-4310-000-6903 Cafeteria Special Revenue Fund		
539417	Rasix Computer Center, Inc.	1,201.58	05/12/2017
	13-5310-X-0000-3700-4310-000-6903 Cafeteria Special Revenue Fund		
539418	Tree House, Inc. (The)	443.83	05/12/2017
	13-5310-X-0000-3700-4310-000-6903 Cafeteria Special Revenue Fund		
539419	Rasix Computer Center, Inc.	340.99	05/12/2017
	01-0000-X-1110-1000-4310-160-1101 General Fund		
539420	Barnes & Noble Booksellers, USA Inc.	2,329.25	05/11/2017
	01-0900-X-1176-1000-4210-000-3301 General Fund		
539421	San Diego Stage & Lighting Supply, Inc.	3,447.50	05/11/2017
	01-0000-X-1123-4200-4410-000-3801 General Fund		
539422	B&H Photo	248.02	05/11/2017
	01-0000-X-1110-1000-4310-280-1101 General Fund		
539423	Sundance Stage Lines, Inc.	1,215.00	05/11/2017
	01-3010-X-1110-1000-5822-125-4101 General Fund		
539424	Legoland	2,025.00	05/11/2017
	01-9065-X-1110-1000-5880-115-4501 General Fund		
539425	Barnes & Noble Booksellers, USA Inc.	2,147.68	05/11/2017
	01-0000-X-1110-2420-4210-205-1101 General Fund		
539426	Bright market LLC	395.00	05/15/2017
	01-6500-X-5770-1130-4410-000-3901 General Fund		
539427	Pro-Ed	245.72	05/11/2017
	01-6500-X-5770-1110-4310-000-3901 General Fund		
539428	Pro-Ed	56.76	05/11/2017
	01-6500-X-5750-1110-4310-210-3901 General Fund		
539429	Staples Inc. & Subsidiaries	978.80	05/15/2017

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	01-0000-X-3100-1000-4310-300-30401 General Fund		
539430	Staples Inc. & Subsidiaries	326.27	05/15/2017
	01-0000-X-3100-1000-4310-300-30401 General Fund		
539431	Whitaker Brothers Business Machines, Inc.	88.12	05/11/2017
	01-0000-X-0000-7500-4310-000-54301 General Fund		
539432	Staples Inc. & Subsidiaries	326.27	05/15/2017
	01-0000-X-3100-1000-4310-300-30401 General Fund		
539433	Staples Inc. & Subsidiaries	326.27	05/15/2017
	01-0000-X-3100-1000-4310-300-30401 General Fund		
539434	Staples Inc. & Subsidiaries	326.27	05/15/2017
	01-0000-X-3100-1000-4310-300-30401 General Fund		
539435	Staples Inc. & Subsidiaries	326.27	05/15/2017
	01-0000-X-3100-1000-4310-300-30401 General Fund		
539436	Staples Inc. & Subsidiaries	326.27	05/15/2017
	01-0000-X-3100-1000-4310-300-30401 General Fund		
539437	Staples Inc. & Subsidiaries	326.27	05/15/2017
	01-0000-X-3100-1000-4310-300-30401 General Fund		
539438	Staples Inc. & Subsidiaries	326.27	05/15/2017
	01-0000-X-3100-1000-4310-300-30401 General Fund		
539439	Staples Inc. & Subsidiaries	489.40	05/15/2017
	01-0000-X-3100-1000-4310-300-30401 General Fund		
539440	Staples Inc. & Subsidiaries	326.27	05/15/2017
	01-0000-X-3100-1000-4310-300-30401 General Fund		
539441	Staples Inc. & Subsidiaries	489.40	05/15/2017
	01-0000-X-3100-1000-4310-300-30401 General Fund		
539442	BrainPOPLLC	438.12	05/15/2017
	01-3010-X-1110-1000-4320-115-41901 General Fund		
539443	B&H Photo	107.17	05/12/2017
	01-3010-X-1110-1000-4310-225-41901 General Fund		
539444	National Academic Quiz Tournaments, LLC	1,313.07	05/12/2017
	01-6300-X-1110-1000-4110-260-33601 General Fund		
539445	Pro-Ed	326.37	05/12/2017
	01-6500-X-5770-1130-4310-000-39201 General Fund		
539446	CDW Government, Inc.	12,913.95	05/12/2017
	01-0900-X-1110-1000-4410-280-41901 General Fund		
539447	Broadway Typewriter Company Inc	46,203.06	05/12/2017
	01-3550-X-3831-1000-4410-000-35901 General Fund		
539448	B&H Photo	569.37	05/12/2017
	01-4124-X-1110-1000-4310-225-41901 General Fund		
539449	Apple Computer Inc.	1,756.54	05/12/2017
	01-0900-X-1110-2490-4410-135-41901 General Fund		
539450	Scholastic Inc.	593.34	05/15/2017
	01-3010-X-1110-1000-4310-240-41901 General Fund		
539451	City of San Diego	8,000.00	05/22/2017
	01-0000-X-1110-4300-5890-000-37201 General Fund		
539452	Home Depot	142.09	05/12/2017
	01-3010-X-1110-1000-4310-000-40301 General Fund		
539453	Flinn Scientific, Inc.	380.39	05/12/2017
	01-0900-X-1110-1000-4310-220-31801 General Fund		
539454	Home Depot	1,358.54	05/12/2017

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539456	01-9065-X-1110-1000-4310-140-50801 General Fund City Of Chula Vista 01-0000-X-1110-3900-5820-000-38301 General Fund	10,000.00	05/12/2017
539457	A&A Flooring 49-0001-X-9011-8100-5610-000-8249 Capital Projects Fund for Blended Component Units	3,771.75	05/12/2017
539458	Allied Waste Systems, Inc. 01-0000-X-0000-8100-5550-000-63401 General Fund	10,000.00	05/12/2017
539459	Perez, Humberto 01-7220-7-3800-2490-4410-235-50901 General Fund	6,120.00	05/12/2017
539460	Robotics Education & Competition Foundation, Inc. 01-9065-X-1110-1000-5880-115-45801 General Fund	350.00	05/12/2017
539461	Huntington Hardware Co., Inc. 01-0910-X-0000-8300-4410-000-86101 General Fund	4,573.90	05/12/2017
539462	Carolina Biological Supply Co 01-0900-X-1110-1000-4310-220-31801 General Fund	264.57	05/12/2017
539463	Sureride Charter Inc. 01-4124-X-1110-1000-5822-000-40401 General Fund	1,328.70	05/17/2017
539464	Nevertardy Transit, LLC 01-4124-X-1110-1000-5822-210-41901 General Fund	795.00	05/12/2017
539465	B&H Photo 01-9065-X-1110-1000-4310-140-50801 General Fund	256.55	05/12/2017
539466	School's In, LLC 01-0000-X-1110-1000-4310-210-11101 General Fund	2,016.13	05/12/2017
539467	B&H Photo 01-0900-X-1110-2420-4310-260-32301 General Fund	453.56	05/12/2017
539468	Terry Shaw Painting 14-0915-X-0000-8100-5610-000-83114 Deferred Maintenance Fund	32,000.00	05/12/2017
539469	A.J. Fistes Corporation 14-0915-X-0000-8100-5610-000-81514 Deferred Maintenance Fund	348,300.00	05/12/2017
539470	B&H Photo 01-4124-X-1110-1000-4310-255-41901 General Fund 01-4124-X-1110-1000-4410-255-41901 General Fund	569.76	05/12/2017
539471	CDW Government, Inc. 01-0000-X-1115-1000-4310-205-11101 General Fund	452.67	05/16/2017
539472	Decker Inc. 01-0000-X-1110-1000-4310-240-11401 General Fund	5,748.70	05/12/2017
539473	Solcon, Inc. 01-3550-X-3839-1000-4310-000-35901 General Fund	7,688.55	05/12/2017
539474	Culver-Newlin Inc 01-0900-X-1110-1000-4310-105-41901 General Fund 01-3010-X-1110-2495-4310-105-40301 General Fund	2,157.53	05/12/2017
539475	Flinn Scientific, Inc. 01-7220-7-3800-1000-4310-230-50901 General Fund	1,856.97	05/12/2017
539476	Moore Medical LLC 01-0000-X-1110-3140-4310-260-11101 General Fund	186.61	05/12/2017
539477	Aristotle Corporation 01-3010-X-1110-1000-4310-225-41901 General Fund	1,429.89	05/12/2017
539478	Demco Inc. 01-0000-X-1110-2420-4310-140-32601 General Fund	137.37	05/12/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
539479	Latino Family Literacy Project (The) 01-3010-X-1110-2495-4310-235-40301 General Fund	669.50	05/12/2017
539480	Information Management Services, LLC 01-7230-X-0000-3600-4310-000-54601 General Fund	1,460.94	05/12/2017
539481	Cerebellum Corporation 01-0000-X-1110-2420-4320-105-32301 General Fund	609.07	05/17/2017
539482	Flinn Scientific, Inc. 01-6385-7-3800-1000-4310-260-50901 General Fund	1,382.24	05/13/2017
539483	Dick Blick Company 01-0000-X-1190-1000-4310-000-33301 General Fund	364.30	05/13/2017
539484	Fotodyne Ed. Services Div 01-6385-7-3800-1000-4310-210-50901 General Fund	3,032.70	05/13/2017
539485	Dick Blick Company 01-0000-X-1190-1000-4310-000-33301 General Fund	290.13	05/13/2017
539486	Patterson Medical Supply, Inc 01-0000-X-1123-4200-4310-230-11201 General Fund 01-0000-X-1110-1000-4310-230-11101 General Fund	836.99	05/15/2017
539487	Dick Blick Company 01-0000-X-1110-1000-4310-145-11101 General Fund	315.45	05/15/2017
539488	Therapro, Inc. 01-6500-X-5030-1110-4310-000-39201 General Fund	34.53	05/13/2017
539489	Lakeshore Learning Materials 01-6500-X-5030-1110-4310-000-39201 General Fund	18.36	05/13/2017
539490	Molly Hawkins' House, Inc. 01-4124-X-1110-1000-4310-285-41901 General Fund	5,118.69	05/15/2017
539491	Dick Blick Company 01-0000-X-1190-1000-4310-000-33301 General Fund	393.64	05/15/2017
539492	iDesign USA Corp. 01-0910-X-3800-1000-4310-000-72701 General Fund	4,979.13	05/15/2017
539493	Curriculum Associates, Inc 01-0900-X-1110-1000-4320-295-31301 General Fund 01-0900-X-1110-1000-4320-295-41901 General Fund	4,500.00	05/12/2017
539494	Neuron Fuel, Inc. 01-0910-X-1110-1000-4110-000-33601 General Fund	7,800.00	05/12/2017
539495	Refrigeration Supplies Distributor 01-8150-X-0000-8100-4310-000-86301 General Fund	1,490.95	05/12/2017
539496	Refrigeration Supplies Distributor 01-8150-X-0000-8100-4310-000-86301 General Fund	1,490.95	05/12/2017
539497	Refrigeration Supplies Distributor 01-8150-X-0000-8100-4310-000-86301 General Fund	1,551.60	05/12/2017
539498	Dynatronics Corp 01-6387-X-3800-1000-4410-000-99601 General Fund	7,110.04	05/12/2017
539499	Marco's Canopies, Inc. 01-0000-X-0000-7700-4310-000-52101 General Fund	1,967.31	05/12/2017
539500	Grainger, Inc. 01-0910-X-0000-8300-4310-000-86101 General Fund	477.60	05/12/2017
539501	School Specialty, Inc. 01-6500-X-5001-2110-4310-000-39101 General Fund	123.75	05/12/2017
539502	Web Resource LLC	289.01	05/12/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-6500-X-5770-1130-4310-000-39D1 General Fund		
539503	Uline, Inc.	576.08	05/12/2017
	11-6391-X-4110-2700-4310-420-71111 Adult Education Fund		
539504	Culver-Newlin Inc	1,450.96	05/12/2017
	01-6500-X-5001-2110-4310-000-39D1 General Fund		
539505	Varidesk, LLC	811.88	05/12/2017
	01-0000-X-0000-7400-4411-000-62D1 General Fund		
539506	AP by the Sea	1,550.00	05/12/2017
	01-0900-X-1110-1000-5220-240-40D1 General Fund		
539507	Myers-Stevens & Toohey & Co, Inc	105.00	05/12/2017
	01-4124-X-1110-1000-5410-210-45D1 General Fund		
539508	Industrial Electronic Service, Ltd	983.01	05/12/2017
	01-0900-X-1110-2100-4410-000-37D1 General Fund		
539509	B&H Photo	3,253.07	05/15/2017
	01-4124-X-1110-1000-4310-285-41D1 General Fund		
	01-4124-X-1110-1000-4410-285-41D1 General Fund		
539510	Project Lead The Way, Inc.	1,002.60	05/12/2017
	01-7220-7-3800-1000-4310-230-50D1 General Fund		
539511	Prime Sports Sales & Design	402.69	05/12/2017
	01-0000-X-1123-4200-4310-210-11D1 General Fund		
539512	Prime Sports Sales & Design	563.77	05/12/2017
	01-0000-X-1123-4200-4310-210-11D1 General Fund		
539513	B&H Photo	1,709.31	05/15/2017
	01-9065-X-1110-1000-4310-140-45D1 General Fund		
539514	Accurate Label Designs, Inc.	333.21	05/12/2017
	01-0000-X-1110-1000-4310-230-11D1 General Fund		
539515	Anderson Enterprises	617.38	05/12/2017
	01-0900-X-1110-1000-4310-125-41D1 General Fund		
539516	DBQ Company (The)	5,957.81	05/22/2017
	01-3010-X-1110-1000-4310-120-41D1 General Fund		
	01-3010-X-1110-1000-4210-120-41D1 General Fund		
539517	Home Depot	193.55	05/15/2017
	01-0900-X-1110-1000-4310-150-41D1 General Fund		
539518	Goodheart-Willcox Publisher	5,421.86	05/15/2017
	01-0000-X-1110-1000-4110-260-32D1 General Fund		
539519	Pearson Education, Inc.	520.98	05/15/2017
	01-6500-X-5001-3120-4310-000-39D1 General Fund		
539520	Perma-Bound Books	1,929.11	05/12/2017
	01-0000-X-1110-2420-4210-205-32D1 General Fund		
539521	Houghton Mifflin Harcourt Publishing Company	0.13	05/12/2017
	01-0000-X-1110-2420-4310-125-32D1 General Fund		
539522	Cengage Learning	0.01	05/15/2017
	01-6300-X-1110-1000-4110-255-33D1 General Fund		
539523	Wicks Educational Publishing, LLC	0.02	05/15/2017
	01-0000-X-1110-2420-4310-125-32D1 General Fund		
539524	Wicks Educational Publishing, LLC	0.02	05/15/2017
	01-0000-X-1110-2420-4310-125-32D1 General Fund		
539525	Barnes & Noble Booksellers, USA Inc.	190.30	05/15/2017
	01-0900-X-1110-2420-4310-245-32D1 General Fund		

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
539526	Barnes & Noble Booksellers, USA Inc. 01-0000-X-1162-1000-4320-205-11 D1 General Fund	57.07	05/12/2017
539527	Prophet Corporation (The) 01-9065-X-1110-1000-4410-150-4501 General Fund	2,539.69	05/12/2017
539528	Wicks Educational Publishing, LLC 01-0910-X-1110-1000-4110-000-3301 General Fund	6,568.50	05/12/2017
539529	Pearson Education, Inc. 01-0910-X-1110-1000-4110-000-3301 General Fund	18,102.72	05/15/2017
539530	LightSPEED Technologies, Inc 01-6500-X-5030-1110-4310-000-3901 General Fund	3,589.00	05/15/2017
539531	Cart Mart, Inc. 01-0000-X-1110-2700-4410-255-11 D1 General Fund	4,399.59	05/15/2017
539532	Neuron Fuel, Inc. 01-0000-X-1110-1000-4320-125-11 D1 General Fund	1,170.00	05/12/2017
539533	Golden Star Technology, Inc. 01-0000-X-0000-7100-4410-000-6601 General Fund	1,286.01	05/12/2017
539534	Neuron Fuel, Inc. 01-0000-X-1141-1000-4320-145-11 D1 General Fund	1,170.00	05/12/2017
539535	Image One Corporation 13-5310-X-0000-3700-4730-000-6903 Cafeteria Special Revenue Fund	6,340.85	05/12/2017
539536	Troxell Communications, Inc. 01-0000-X-1110-2420-4410-125-11 D1 General Fund	1,172.35	05/15/2017
539537	Staples Inc. & Subsidiaries 13-5310-X-0000-3700-4730-000-6903 Cafeteria Special Revenue Fund	23.99	05/12/2017
539538	W. W. Norton & Company, Inc 01-6300-X-1110-1000-4110-205-3301 General Fund	7.88	05/12/2017
539539	Vista Higher Learning, Inc 01-0910-X-1110-1000-4110-000-3301 General Fund	6,873.49	05/12/2017
539540	Cengage Learning 01-6300-X-1110-1000-4210-225-3301 General Fund	0.02	05/15/2017
539541	Demco Inc. 01-0900-X-1110-2420-4310-285-3201 General Fund	1,792.03	05/12/2017
539542	Bernard Arenson, Inc. 01-0000-X-1110-2700-4411-110-11 D1 General Fund	909.30	05/15/2017
539543	B&H Photo 01-0000-X-0000-7100-4410-000-6601 General Fund	1,080.32	05/15/2017
539544	Pearson Education, Inc. 01-0910-X-1110-1000-4110-000-3301 General Fund	463.06	05/12/2017
539545	Tree House, Inc. (The) 01-0000-X-1110-1000-4310-285-11 D1 General Fund	1,393.72	05/12/2017
539546	Memphis Net & Twine Co. Inc. 01-9065-X-1123-1000-4410-115-4501 General Fund 01-9065-X-1123-1000-4410-115-5001 General Fund	3,331.39	05/15/2017
539547	CDW Government, Inc. 11-3905-X-4110-1000-4410-000-7501 Adult Education Fund	824.01	05/15/2017
539548	Royal Lines Charters, LLC 01-4124-X-1110-1000-5822-285-4501 General Fund	1,193.00	05/13/2017
539549	Regents of the University of California San Diego 01-4124-X-1110-1000-5880-210-4501 General Fund	4,050.00	05/15/2017
539550	Regents of the University of California San Diego	4,050.00	05/30/2017

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	01-4124-X-1110-1000-5880-225-45601 General Fund		
539551	Anil & Smita Inc.	216.39	05/18/2017
	01-9025-X-3800-1000-4317-000-99801 General Fund		
539552	Manna Development Group, LLC	278.50	05/13/2017
	01-0000-X-1190-1000-4317-000-33501 General Fund		
539553	El Tapatio Restaurant Inc.	248.98	05/13/2017
	01-9010-X-1110-1000-4317-000-45401 General Fund		
539554	El Tapatio Restaurant Inc.	1,664.34	05/13/2017
	01-9065-X-1110-1000-4310-110-50801 General Fund		
539555	El Tapatio Restaurant Inc.	752.34	05/19/2017
	01-0000-X-1110-2700-4317-135-11 D1 General Fund		
539556	El Tapatio Restaurant Inc.	311.22	05/13/2017
	01-4124-X-1110-1000-4310-245-45601 General Fund		
539557	El Tapatio Restaurant Inc.	569.67	05/25/2017
	01-0000-X-1110-2700-4317-225-11 D1 General Fund		
539558	El Tapatio Restaurant Inc.	1,022.96	05/25/2017
	01-0000-X-1110-2700-4317-260-11 D1 General Fund		
539559	Prophet Corporation (The)	6,584.96	05/15/2017
	01-9065-X-1110-1000-4310-150-45801 General Fund		
539560	MonkeySports, Inc.	1,110.16	05/15/2017
	01-0000-X-1110-1000-4310-210-11 D1 General Fund		
	01-0000-X-1123-4200-4310-210-11 D1 General Fund		
539561	Home Depot	1,714.42	05/15/2017
	01-9065-X-1110-1000-4410-150-45801 General Fund		
539562	Revolution Prep LLC	2,969.01	05/15/2017
	01-3010-0-1110-1000-4320-210-41901 General Fund		
539563	Troxell Communications, Inc.	656.10	05/15/2017
	01-3010-X-1110-1000-4410-000-40501 General Fund		
539564	Houghton Mifflin Harcourt Publishing Company	12,455.84	05/15/2017
	01-6500-X-5001-3120-4310-000-39 D1 General Fund		
539565	Herrera, Alberto C.	2,785.27	05/23/2017
	01-9065-X-1110-1000-4310-140-50801 General Fund		
539566	Heritage Cleaners	841.58	05/15/2017
	01-0000-X-1110-1000-5890-225-56701 General Fund		
539567	Golden Star Technology, Inc.	770.45	05/15/2017
	01-0000-X-1110-2700-4410-205-11 D1 General Fund		
539568	Glass Company, Inc. (The)	1,025.00	05/15/2017
	01-8150-X-0000-8100-5620-000-86501 General Fund		
539569	Glass Company, Inc. (The)	365.00	05/15/2017
	01-8150-X-0000-8100-5620-000-86501 General Fund		
539570	Southland Technology Inc	6,019.70	05/15/2017
	01-6385-7-3800-1000-4410-215-50901 General Fund		
539571	Home Depot	854.09	05/15/2017
	01-9065-X-1110-1000-4410-150-45801 General Fund		
539572	U.S. Bank National Association	660.33	05/15/2017
	01-0000-X-1110-3160-5620-000-36001 General Fund		
539573	Projector Lamp Services	72.53	05/15/2017
	01-0000-X-1110-1000-4310-205-11 D1 General Fund		
539574	RAL Investment Corporation	3,389.76	05/24/2017

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	01-0000-X-0000-7000-4411-000-56301 General Fund		
539575	School Outfitters, LLC	31,244.14	05/15/2017
	01-9025-X-3800-1000-4411-000-99801 General Fund		
539576	Bernard Arenson, Inc.	11,357.97	05/15/2017
	01-6387-X-3800-1000-4310-000-99601 General Fund		
539577	Bernard Arenson, Inc.	11,357.97	05/15/2017
	01-6387-X-3800-1000-4310-000-99601 General Fund		
539578	Bernard Arenson, Inc.	2,047.22	05/15/2017
	01-6387-X-3800-1000-4310-000-99601 General Fund		
539579	Ultimate Sack LLC	528.26	05/15/2017
	01-9065-X-1110-1000-4310-135-45801 General Fund		
539580	Dion International Trucks LLC	3,032.40	05/15/2017
	01-0000-X-0000-0000-9327-000-00001 General Fund		
539581	Scantron Corporation	707.06	05/15/2017
	01-0000-X-1110-2700-4310-240-11101 General Fund		
539582	Bekins Moving Solutions, Inc.	20,289.00	05/15/2017
	35-7777-X-9002-8506-6235-000-80035 County School Facilities Fund		
539583	Longstreth Sporting Goods, LLC	2,117.88	05/15/2017
	01-0000-X-0000-7200-4310-000-67101 General Fund		
539584	Sport Supply Group, Inc.	2,986.62	05/15/2017
	01-0000-X-0000-7200-4410-000-67101 General Fund		
539585	Textbook Warehouse	9,635.87	05/15/2017
	01-0910-X-1110-1000-4110-000-33601 General Fund		
539586	Therapro, Inc.	50.80	05/15/2017
	01-6500-X-5001-3120-4310-000-39101 General Fund		
539587	San Diego County Superintendent of Schools	55.00	05/15/2017
	01-0900-X-1110-2140-5220-115-41901 General Fund		
539588	San Diego County Superintendent of Schools	55.00	05/15/2017
	01-0900-X-1110-2140-5220-115-41901 General Fund		
539589	San Diego County Superintendent of Schools	1,500.00	05/15/2017
	01-0900-X-1110-1000-5220-000-68201 General Fund		
539590	Sport Supply Group, Inc.	2,043.55	05/15/2017
	01-0000-X-1123-4200-4310-000-38401 General Fund		
539591	Sport Supply Group, Inc.	2,066.24	05/15/2017
	01-0000-X-1123-4200-4310-000-38401 General Fund		
539592	Sport Supply Group, Inc.	2,733.94	05/15/2017
	01-0000-X-1123-4300-4410-000-61801 General Fund		
539593	Sport Supply Group, Inc.	400.51	05/15/2017
	01-0000-X-1110-4300-4310-000-61801 General Fund		
539594	D. Hauptman Co.	2,072.78	05/15/2017
	01-9065-X-1110-1000-4310-150-45801 General Fund		
	01-9065-X-1110-1000-4410-150-45801 General Fund		
539595	B&H Photo	1,196.90	05/16/2017
	01-0000-X-1110-1000-4310-105-11101 General Fund		
539596	Textbook Warehouse	1,207.64	05/15/2017
	01-0910-X-1110-1000-4110-000-33601 General Fund		
539597	Textbook Warehouse	1,207.64	05/15/2017
	01-6300-X-1110-1000-4110-000-33601 General Fund		
539598	Textbook Warehouse	1,207.64	05/15/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-0910-X-1110-1000-4110-000-3301 General Fund		
539599	Pearson Education, Inc.	24,581.64	05/15/2017
	01-0910-X-1110-1000-4110-000-3301 General Fund		
539600	Troxell Communications, Inc.	2,839.02	05/15/2017
	01-0900-X-1110-1000-4410-280-4101 General Fund		
539601	Regents of University of California, Irvine	3,200.00	05/15/2017
	01-0000-X-1110-2110-5810-000-32D1 General Fund		
539602	Mayer Educational Products	1,001.31	05/18/2017
	01-6500-X-5770-1130-4310-000-39D1 General Fund		
539603	Staples Inc. & Subsidiaries	285.66	05/18/2017
	01-0900-X-1176-1000-4310-000-33D1 General Fund		
539604	Staples Inc. & Subsidiaries	107.09	05/17/2017
	01-0000-X-1110-1000-4310-140-11D1 General Fund		
539605	Turpin & Rattan Engineering, Inc.	22,500.00	05/15/2017
	14-0915-X-0000-8500-6220-000-40114 Deferred Maintenance Fund		
539606	Fotodyne Ed. Services Div	4,937.90	05/15/2017
	01-6385-7-3800-1000-4410-210-50901 General Fund		
539607	Ultimate Office, Inc.	369.39	05/15/2017
	01-6500-X-5750-1110-4310-295-39D1 General Fund		
539608	Flinn Scientific, Inc.	386.42	05/18/2017
	01-0000-X-1144-1000-4310-205-11D1 General Fund		
539609	Dick Blick Company	546.67	05/17/2017
	01-0000-X-1190-1000-4310-000-33D1 General Fund		
539610	Dick Blick Company	273.79	05/18/2017
	01-0900-X-1110-1000-4310-105-4101 General Fund		
539611	Dick Blick Company	229.76	05/17/2017
	01-0000-X-1190-1000-4310-000-33D1 General Fund		
539612	Dick Blick Company	242.48	05/17/2017
	01-0000-X-1190-1000-4310-000-33D1 General Fund		
539613	La Class Transportation	1,498.50	05/15/2017
	01-0000-X-1123-4200-5822-205-11D1 General Fund		
539614	VEX Robotics, Inc.	1,251.25	05/15/2017
	01-0900-X-1110-1000-4310-125-4101 General Fund		
539615	Carlsbad Strawberry Company Inc	300.00	05/17/2017
	01-9065-X-1110-1000-5880-135-4501 General Fund		
539616	Youth Development Network	2,800.00	05/15/2017
	01-0900-X-1110-2700-5220-230-40D1 General Fund		
	01-0900-X-1110-2490-5220-230-40D1 General Fund		
	01-0900-X-1110-1000-5220-230-40D1 General Fund		
	01-0900-X-1110-2420-5220-230-40D1 General Fund		
	01-0900-X-1110-2100-5220-230-40D1 General Fund		
539617	Demco Inc.	675.96	05/17/2017
	01-0000-X-1110-2420-4310-260-32D1 General Fund		
539618	Barclay Wood Toys and Blocks, Inc.	181.09	05/17/2017
	01-6386-7-3800-1000-4310-255-53701 General Fund		
539619	Demco Inc.	532.06	05/17/2017
	01-0000-X-1110-2420-4310-140-32D1 General Fund		
539620	Lakeshore Learning Materials	410.32	05/17/2017
	01-6500-X-5001-2110-4310-000-39D1 General Fund		

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539621	Textol Systems Inc. 01-6500-X-5001-2110-4310-000-39D1 General Fund	119.80	05/17/2017
539622	Therapy Shoppe, Inc. 01-6500-X-5770-1130-4310-000-39D1 General Fund	28.05	05/18/2017
539623	Lakeshore Learning Materials 01-0000-X-1110-1000-4310-160-11D1 General Fund	389.66	05/18/2017
539624	Vernier Software & Technology, LLC 01-3010-X-1110-1000-4310-260-41D1 General Fund 01-3010-X-1110-1000-4410-260-41D1 General Fund	12,893.52	05/25/2017
539625	Central Products, LLC 01-6387-X-3800-1000-4310-000-99D1 General Fund	6,960.12	05/15/2017
539626	Central Products, LLC 01-6387-X-3800-1000-4310-000-99D1 General Fund	4,227.32	05/15/2017
539627	Textbook Warehouse 01-0910-X-1110-1000-4110-000-33D1 General Fund	5,512.63	05/15/2017
539628	AbleNet, Inc. 01-6500-X-5770-1130-4310-000-39D1 General Fund	4,594.01	05/18/2017
539629	Educational Testing Services 11-3913-X-4110-1000-4210-000-75D1 Adult Education Fund	2,170.50	05/15/2017
539630	Barnes & Noble Booksellers, USA Inc. 01-0900-X-1176-1000-4210-000-33D1 General Fund	3,210.59	05/15/2017
539631	Fathead LLC 01-0910-X-1110-2420-4310-000-52D1 General Fund	276.02	05/15/2017
539632	JW Pepper & Son, Inc. 01-0000-X-1190-1000-4310-000-33D1 General Fund	2,000.00	05/15/2017
539633	Corwin Press, Inc. 01-0000-X-1110-2700-4310-135-11D1 General Fund	70.24	05/15/2017
539634	CDW Government, Inc. 01-3010-X-5750-1110-4310-295-41D1 General Fund	1,704.94	05/15/2017
539635	Pro-Ed 01-0910-X-1110-1000-4110-000-33D1 General Fund	15,976.76	05/15/2017
539636	United States Academic Decathlon 01-6300-X-1110-1000-4310-210-33D1 General Fund	154.73	05/15/2017
539637	Junior Library Guild 01-0000-X-1110-2420-4210-260-32D1 General Fund	1,830.91	05/15/2017
539638	B&H Photo 01-0000-X-1123-4200-4410-000-38D1 General Fund	1,420.24	05/15/2017
539639	A&P Cleaners, Inc. 01-0000-X-1110-1000-5890-250-56D1 General Fund	203.75	05/15/2017
539640	Oriental Trading Company, Inc 01-0000-X-1110-1000-4310-160-11D1 General Fund	148.56	05/18/2017
539641	William V. MacGill & Co. 01-0000-X-1110-1000-4310-115-11D1 General Fund	491.02	05/17/2017
539643	School Health Corporation 01-0000-X-1110-2700-4310-225-11D1 General Fund	138.92	05/17/2017
539644	School Health Corporation 01-0000-X-1110-3140-4310-205-11D1 General Fund	123.77	05/18/2017
539645	Phonak Inc 01-6500-X-5770-1130-4410-000-39D1 General Fund	4,735.93	05/18/2017
539646	iDesign USA Corp.	1,612.67	05/17/2017

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	01-4124-X-1110-1000-4310-255-4101 General Fund		
539647	School Nurse Supply, Inc.	116.49	05/18/2017
	01-0000-X-1110-3140-4310-135-11D1 General Fund		
539648	Premier School Agendas, Inc	919.04	05/18/2017
	01-0900-X-1110-1000-4310-155-4101 General Fund		
539649	School Outfitters, LLC	358.71	05/18/2017
	01-0900-X-1110-1000-4310-155-4101 General Fund		
539650	School Outfitters, LLC	1,355.31	05/18/2017
	01-0900-X-1176-1000-4310-000-33D1 General Fund		
539651	Dick Blick Company	183.76	05/17/2017
	01-0000-X-1190-1000-4310-000-33D1 General Fund		
539652	Phonak Inc	360.00	05/18/2017
	01-6500-X-5030-1110-4310-000-39D1 General Fund		
539653	Patterson Medical Supply, Inc	5,401.48	05/17/2017
	01-6387-X-3800-1000-4310-000-99D1 General Fund		
539654	Fogarty D. Paula	394.32	05/17/2017
	01-4124-X-1110-1000-4310-285-4101 General Fund		
539655	Markerboard People, Inc. (The)	600.57	05/16/2017
	01-3010-X-1110-1000-4310-240-4101 General Fund		
539656	Eric Armin Inc. (EAI)	22.05	05/16/2017
	01-0900-X-1110-1000-4310-135-4101 General Fund		
539657	School Health Corporation	154.45	05/17/2017
	01-5640-X-1110-3140-4310-125-39D1 General Fund		
539658	Southwest Plastic Binding Company	324.66	05/17/2017
	01-6500-X-5001-2110-4310-000-39D1 General Fund		
539659	Dick Blick Company	285.93	05/17/2017
	01-0000-X-1190-1000-4310-000-33D1 General Fund		
539660	Dick Blick Company	237.12	05/16/2017
	01-0000-X-1190-1000-4310-000-33D1 General Fund		
539661	Dick Blick Company	561.19	05/16/2017
	01-0000-X-1190-1000-4310-000-33D1 General Fund		
539662	Dick Blick Company	194.08	05/17/2017
	01-0000-X-1190-1000-4310-000-33D1 General Fund		
539663	Association for Unmanned Vehicle Systems	1,914.68	05/17/2017
	01-9065-X-1110-1000-4310-130-45D1 General Fund		
539664	Dick Blick Company	592.65	05/17/2017
	01-0000-X-1111-1000-4310-205-11D1 General Fund		
539665	Dick Blick Company	355.25	05/17/2017
	01-0000-X-1111-1000-4310-205-11D1 General Fund		
539666	Dick Blick Company	242.42	05/17/2017
	01-0000-X-1111-1000-4310-205-11D1 General Fund		
539667	Dick Blick Company	61.38	05/17/2017
	01-0000-X-1190-1000-4310-000-33D1 General Fund		
539668	Dick Blick Company	168.07	05/17/2017
	01-0000-X-1190-1000-4310-000-33D1 General Fund		
539669	Oriental Trading Company, Inc	867.32	05/17/2017
	01-4124-X-1110-1000-4310-285-45D1 General Fund		
539670	Dick Blick Company	109.87	05/17/2017
	01-0000-X-1111-1000-4310-205-11D1 General Fund		
539671	Aristotle Corporation	1,239.39	05/16/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-3010-X-1110-1000-4310-210-41901 General Fund		
539672	Aristotle Corporation	57.51	05/16/2017
	01-0900-X-1110-1000-4310-135-41901 General Fund		
539673	iDesign USA Corp.	1,169.08	05/18/2017
	01-9065-X-1110-1000-4310-125-45801 General Fund		
539674	VEX Robotics, Inc.	320.97	05/18/2017
	01-3010-X-1110-1000-4310-125-41901 General Fund		
539675	D. Hauptman Co.	2,621.09	05/17/2017
	01-4124-X-1123-1000-4310-230-41901 General Fund		
539676	Home Depot	637.92	05/16/2017
	01-4124-X-1110-1000-4310-210-41901 General Fund		
539677	Think Social Publishing, Inc.	436.36	05/16/2017
	01-6500-X-5001-2110-4310-000-39D1 General Fund		
539678	Berry's Athletic Supply, Inc.	324.71	05/16/2017
	01-0000-X-1110-1000-4310-230-11D1 General Fund		
539679	Pearson Education, Inc.	1,802.11	05/16/2017
	01-6500-X-5001-2110-4310-000-39D1 General Fund		
539680	Follett School Solutions, Inc.	450.61	05/16/2017
	01-0900-X-1110-2420-4310-260-32501 General Fund		
539681	Follett School Solutions, Inc.	1,103.66	05/16/2017
	01-0000-X-1110-2420-4210-285-32601 General Fund		
	01-0000-X-1110-2420-4310-285-32501 General Fund		
539682	Follett School Solutions, Inc.	2,377.60	05/16/2017
	01-0900-X-1110-1000-4310-150-41901 General Fund		
539683	Follett School Solutions, Inc.	3,894.84	05/16/2017
	01-0910-X-1110-1000-4110-000-33601 General Fund		
539684	Follett School Solutions, Inc.	16.53	05/16/2017
	01-0000-X-1110-2420-4310-285-32501 General Fund		
539685	Follett School Solutions, Inc.	594.21	05/16/2017
	01-0000-X-1110-2420-4210-260-32601 General Fund		
539686	United States Academic Decathlon	1,497.99	05/16/2017
	01-6300-X-1110-1000-4110-215-33601 General Fund		
539687	Line Printing Company (The)	217.17	05/19/2017
	01-0000-X-1110-1000-4310-285-11D1 General Fund		
539688	Line Printing Company (The)	54.80	05/22/2017
	01-0000-X-1110-2700-4310-240-11D1 General Fund		
539689	B&H Photo	483.82	05/17/2017
	01-9010-0-1110-1000-4410-260-29201 General Fund		
539690	B&H Photo	3,107.90	05/17/2017
	01-0000-X-1110-2700-4410-105-11D1 General Fund		
539691	B&H Photo	3,385.65	05/17/2017
	01-7220-8-3800-1000-4410-235-51301 General Fund		
539692	B&H Photo	1,299.00	05/16/2017
	01-0900-X-1110-1000-4310-205-41901 General Fund		
539693	B&H Photo	264.24	05/17/2017
	01-0000-X-1110-2700-4310-225-11D1 General Fund		
539694	B&H Photo	2,666.83	05/17/2017
	01-7220-7-3800-1000-4410-230-50901 General Fund		
	01-7220-7-3800-1000-4310-230-50901 General Fund		

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539695	B&H Photo 01-0000-X-1190-1000-4310-000-33501 General Fund	95.29	05/17/2017
539696	B&H Photo 01-4124-X-1110-1000-4321-225-41901 General Fund 01-4124-X-1110-1000-4310-225-41901 General Fund	697.55	05/17/2017
539697	B&H Photo 01-0000-X-1110-2700-4410-205-11D1 General Fund	1,005.69	05/16/2017
539698	Youth Development Network 01-3010-0-1110-2140-5220-230-41901 General Fund 01-3010-0-1110-1000-5220-230-41901 General Fund 01-3010-0-1110-2700-5220-230-41901 General Fund	2,400.00	05/16/2017
539699	JourneyEd.com, Inc 01-0000-X-1110-1000-4310-155-21401 General Fund 01-0000-X-1110-1000-4310-155-11D1 General Fund	289.16	05/16/2017
539700	Gallup, Inc. 01-0900-X-1110-1000-5220-260-40201 General Fund 01-0900-X-1110-2490-5220-260-40201 General Fund	1,196.00	05/16/2017
539701	Rasix Computer Center, Inc. 01-0900-X-1110-1000-4310-255-41901 General Fund	5,178.68	05/16/2017
539702	San Diego Theatres, inc 01-9065-X-1123-1000-5880-120-45801 General Fund	949.50	05/16/2017
539703	Bonita Pipeline, Inc. 01-8150-X-0000-8100-5620-000-86001 General Fund	6,338.04	05/16/2017
539704	Rifton 01-6500-X-5030-1110-4410-000-39201 General Fund	2,020.49	05/19/2017
539705	Flags Georgia LLC 01-0000-X-1191-1000-4310-225-33401 General Fund	524.25	05/16/2017
539706	Apple Computer Inc. 01-6500-X-5770-1130-4310-000-39201 General Fund	1,000.00	05/16/2017
539707	Carolina Biological Supply Co 01-0000-X-1142-1000-4310-205-11D1 General Fund	267.50	05/18/2017
539708	Demco Inc. 01-6300-X-1110-1000-4210-140-33601 General Fund 01-0000-X-1110-2420-4310-140-32601 General Fund	30.69	05/24/2017
539709	School Health Corporation 01-5640-X-1110-3140-4310-130-39701 General Fund 01-0000-X-1110-1000-4310-130-11D1 General Fund	165.38	05/23/2017
539710	Apple Computer Inc. 01-0000-X-0000-7700-6410-000-52301 General Fund	787,901.03	05/16/2017
539711	Pasco Scientific 01-0000-X-1110-2700-4410-205-11D1 General Fund	552.17	05/25/2017
539712	Phil's BBQ of Point Loma Inc. 01-9065-X-1110-1000-4317-115-45801 General Fund	699.84	05/16/2017
539713	Projector Doctor, Inc. 01-8150-X-0000-8100-5620-000-86001 General Fund	595.00	05/16/2017
539714	Troxell Communications, Inc. 01-0000-X-1110-2420-4410-240-11D1 General Fund 01-0000-X-1110-2420-4410-240-32601 General Fund	1,809.17	05/19/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-0000-X-1110-2420-4410-240-32501 General Fund		
539715	Anixter International Inc.	49,199.97	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539716	Anixter International Inc.	5,958.08	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539717	Anixter International Inc.	1,234.30	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539718	Anixter International Inc.	4,468.56	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539719	Anixter International Inc.	1,623.75	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539720	San Diego County Superintendent of Schools	30,000.00	05/16/2017
	01-0000-X-1190-1000-5890-000-33501 General Fund		
539721	San Diego State University Foundation	49,795.00	05/16/2017
	01-0900-X-1110-1000-5810-150-41901 General Fund		
	01-3010-0-1110-1000-5810-255-41901 General Fund		
	01-4035-X-1110-2140-5810-000-32901 General Fund		
	01-0900-X-1110-1000-5810-110-41901 General Fund		
	01-3010-0-1110-1000-5820-210-40201 General Fund		
539722	Moore Medical LLC	75.97	05/31/2017
	01-0000-X-1110-3160-4310-000-36501 General Fund		
539723	Dick Blick Company	798.35	05/16/2017
	01-0000-X-1111-1000-4310-210-11D1 General Fund		
	01-0000-X-1110-1000-4310-210-11D1 General Fund		
539724	Multi-Health Systems Inc.	3,712.22	05/22/2017
	01-6500-X-5001-2110-4310-000-39D1 General Fund		
539725	Gallup, Inc.	299.00	05/16/2017
	01-0900-X-1110-2490-5220-140-40201 General Fund		
539726	Musician's Friend Inc	363.72	05/16/2017
	01-0000-X-1110-2700-4410-105-11D1 General Fund		
539727	Triarco	270.06	05/22/2017
	01-0000-X-1190-1000-4310-000-33501 General Fund		
539728	Montgomery Hardware Co.	7,630.27	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539729	Intermountain Lock & Security	8,201.80	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539730	Intermountain Lock & Security	7,144.50	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539731	Intermountain Lock & Security	5,687.54	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539732	Intermountain Lock & Security	25,460.40	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539733	Intermountain Lock & Security	14,439.36	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539734	Intermountain Lock & Security	15,576.63	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539735	Intermountain Lock & Security	61,042.18	05/16/2017
	01-0910-X-0000-8300-4410-000-86D1 General Fund		
539736	Herrera, Alberto C.	1,066.25	05/16/2017

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	01-9065-X-1110-1000-4310-125-4501 General Fund		
539737	American Eagle	156.29	05/16/2017
	01-3010-X-1110-1000-4310-215-4101 General Fund		
539738	Mason Crest Publishers	1,177.55	05/16/2017
	01-0000-X-1110-2420-4310-120-3201 General Fund		
539739	Manson Western Corporation	3,262.52	05/16/2017
	01-6500-X-5001-2110-4310-000-3901 General Fund		
539740	Follett School Solutions, Inc.	922.42	05/17/2017
	01-0000-X-1110-2420-4210-130-3201 General Fund		
539741	Rasix Computer Center, Inc.	153.34	05/16/2017
	01-0000-X-1110-2420-4310-260-3201 General Fund		
539742	TPRS Publishing, Inc.	177.38	05/16/2017
	01-3010-X-1110-1000-4310-240-4101 General Fund		
539743	Hasbro Promotions and Direct, Inc.	153.13	05/17/2017
	01-0000-X-1110-2420-4310-145-3201 General Fund		
	01-0000-X-1110-2420-4310-145-3201 General Fund		
539744	ActionTec Electronics, Inc	743.09	05/17/2017
	01-0000-X-0000-7100-4410-000-6601 General Fund		
539745	Steve Weiss Music Inc.	131.14	05/17/2017
	01-0000-X-1190-1000-4310-000-3301 General Fund		
539746	AK Athletic Equipment, Inc.	1,205.29	05/17/2017
	01-6385-7-3800-1000-4310-280-50901 General Fund		
539747	Pro-Ed	451.66	05/17/2017
	01-6500-X-5001-2110-4310-000-3901 General Fund		
539748	Regents University of California Los Angeles	775.00	05/18/2017
	01-0900-X-1110-1000-5220-260-4101 General Fund		
539749	Institute for Educational Leadership Inc (The)	1,070.00	05/17/2017
	01-3010-X-1110-2100-5220-000-40401 General Fund		
539750	Follett School Solutions, Inc.	1,770.55	05/17/2017
	01-0000-X-1110-2420-4210-105-3201 General Fund		
539751	Pearson Education, Inc.	7,122.91	05/19/2017
	11-3926-X-4110-1000-4210-000-7501 Adult Education Fund		
539752	Follett School Solutions, Inc.	900.64	05/17/2017
	01-0900-X-1110-2420-4310-260-3201 General Fund		
539753	STEMfinity, LLC	5,981.64	05/19/2017
	01-0900-X-1110-1000-4310-215-4101 General Fund		
539754	Fitness Anywhere LLC	1,445.80	05/18/2017
	01-9010-X-1110-1000-4310-255-4801 General Fund		
539755	Simon & Schuster	6,062.00	05/17/2017
	01-0000-X-1110-2420-4310-285-3201 General Fund		
539756	Stopper Group (The)	665.00	05/17/2017
	01-3010-X-1110-1000-4410-250-4101 General Fund		
539757	Power Systems, Inc.	3,447.44	05/17/2017
	01-4124-X-1110-1000-4410-285-4101 General Fund		
539758	Lerner Publishing Group	2,441.42	05/17/2017
	01-0000-X-1110-2420-4310-120-3201 General Fund		
539759	B&H Photo	3,728.24	05/17/2017
	01-6387-X-3800-1000-4410-000-9901 General Fund		
539760	Greenhaven Publishing, LLC	10,124.41	05/17/2017

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539761	01-0000-X-1110-2420-4210-205-32501 General Fund California Billiards	4,485.88	05/17/2017
539762	01-9065-X-1110-1000-4410-135-50801 General Fund Sport Supply Group, Inc.	6,522.72	05/17/2017
539763	01-9065-X-1123-1000-4310-115-45801 General Fund 01-9065-X-1123-1000-4410-115-50801 General Fund National Business Furniture	7,534.86	05/17/2017
539764	01-6387-X-3800-1000-4310-000-99601 General Fund National Business Furniture	7,614.71	05/17/2017
539765	01-6387-X-3800-1000-4310-000-99601 General Fund National Business Furniture	5,042.48	05/17/2017
539766	01-6387-X-3800-1000-4310-000-99601 General Fund Willys Electronic Supply Co Inc	427.30	05/17/2017
539767	11-6391-X-4110-2700-4310-420-71111 Adult Education Fund Avid Center	760.00	05/17/2017
539768	01-4203-0-1110-1000-5220-000-40201 General Fund Rosen Publishing Group, The	2,257.72	05/17/2017
539769	01-0000-X-1110-2420-4310-120-32501 General Fund California Association Of School Psychologists	2,890.00	05/17/2017
539770	01-5640-X-5750-3120-5220-000-39701 General Fund Broadway Typewriter Company Inc	1,376.41	05/17/2017
539771	01-3010-X-1110-2100-4410-150-41901 General Fund 01-3010-X-1110-2490-4410-150-41901 General Fund SiteOne Landscape Supply Holding LLC	389.03	05/17/2017
539772	01-0000-X-1123-4200-4310-000-38401 General Fund Maintex, Inc.	568.28	05/17/2017
539773	01-0000-X-0000-8100-4310-235-11101 General Fund Living Coast Discovery Center	640.00	05/17/2017
539774	01-4050-X-1110-2140-5810-000-32901 General Fund Living Coast Discovery Center	2,000.00	05/17/2017
539775	01-0900-X-1110-1000-5810-105-41901 General Fund JES Engraving Company, Inc.	2,198.54	05/17/2017
539776	01-0000-X-1110-4200-4310-000-37701 General Fund C. W. Driver	1,808,717.00	05/17/2017
539777	35-7777-X-9002-8506-6236-000-8035 County School Facilities Fund Peterson's Nelnet, LLC	25,000.00	05/17/2017
539778	01-3010-X-1110-1000-5810-915-41901 General Fund Dick Blick Company	371.47	05/17/2017
539779	01-0000-X-1190-1000-4310-000-33501 General Fund Barnes & Noble Booksellers, USA Inc.	165.51	05/23/2017
539780	01-0000-X-1110-2420-4310-225-11101 General Fund Follett School Solutions, Inc.	435.17	05/02/2017
539781	01-0900-X-1110-2420-4210-105-32501 General Fund Aristotle Corporation	2,139.45	05/17/2017
539782	01-0900-X-1110-1000-4310-230-41901 General Fund School Health Corporation	106.39	05/17/2017
539783	01-5640-X-1110-3140-4310-140-39701 General Fund Cambridge Holdings corporation	64.27	05/18/2017
	01-9065-X-1110-1000-4310-115-50801 General Fund		

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539784	Demco Inc. 01-0000-X-1110-1000-4110-285-3201 General Fund	126.91	05/18/2017
	01-0000-X-1110-2420-4310-285-11D1 General Fund		
539785	Accent Electronics, Inc 01-0910-X-0000-8300-4410-000-86D1 General Fund	16,848.31	05/17/2017
539786	Accent Electronics, Inc 01-0910-X-0000-8300-4410-000-86D1 General Fund	10,497.37	05/17/2017
539787	Rasix Computer Center, Inc. 01-0000-X-0000-7111-4310-000-60D1 General Fund	71.45	05/17/2017
539788	Prophet Corporation (The) 01-0000-X-1122-1000-4310-205-11D1 General Fund	111.28	05/17/2017
539789	Prophet Corporation (The) 01-0000-X-1123-4200-4310-125-384D1 General Fund	908.27	05/17/2017
539790	Prophet Corporation (The) 01-0000-X-1123-4200-4310-115-384D1 General Fund	340.99	05/17/2017
539791	Prophet Corporation (The) 01-0000-X-1122-1000-4310-225-11D1 General Fund	135.50	05/17/2017
539792	Prophet Corporation (The) 01-0000-X-1110-1000-4310-160-11D1 General Fund	265.85	05/17/2017
539793	Staples Inc. & Subsidiaries 01-0000-X-0000-7400-4411-000-625D1 General Fund	293.36	05/17/2017
539794	Orange County Department Of Education 01-0900-X-1110-2100-4310-000-370D1 General Fund	152.89	05/17/2017
539795	iDesign USA Corp. 01-4124-X-1110-1000-4310-225-410D1 General Fund	1,884.21	05/17/2017
539796	Flinn Scientific, Inc. 01-0000-X-1142-1000-4310-235-11D1 General Fund	245.90	05/17/2017
539797	Fisher Scientific, LLC 01-4124-X-1110-1000-4310-210-410D1 General Fund	1,129.18	05/17/2017
539798	Staples Inc. & Subsidiaries 01-6500-X-5001-2110-4310-000-39D1 General Fund	13.44	05/17/2017
539799	Flinn Scientific, Inc. 01-0000-X-1110-1000-4310-260-11D1 General Fund	1,959.68	05/18/2017
539800	Demco Inc. 01-0000-X-1110-2420-4310-105-325D1 General Fund	1,021.85	05/18/2017
539801	Flinn Scientific, Inc. 01-4050-X-1110-2140-4310-000-320D1 General Fund	2,143.62	05/18/2017
539802	littleBits Electronics, Inc. 01-9065-X-1110-1000-4310-135-508D1 General Fund	2,467.83	05/19/2017
539803	School Datebooks 01-0900-X-1110-1000-4310-115-410D1 General Fund	2,114.66	05/18/2017
539804	Really Good Stuff, Inc. 01-6500-X-5770-1130-4310-000-392D1 General Fund	49.82	05/18/2017
539805	Camcor, Inc 01-0000-X-1110-2700-4410-205-11D1 General Fund	570.41	05/18/2017
539806	EZ Flex LLC 01-4124-X-1110-1000-4310-210-410D1 General Fund	1,632.92	05/18/2017
539807	Myers-Stevens & Toohey & Co, Inc 01-4124-X-1110-1000-5410-260-410D1 General Fund	231.00	05/18/2017
539808	NoRedink Corp	3,900.00	05/18/2017

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	01-0900-X-1110-1000-4320-155-41901 General Fund		
539809	College Board (The)	1,095.02	05/18/2017
	01-0900-X-1110-2420-4310-285-32501 General Fund		
539810	9 Square in the Air, LLC	1,977.29	05/18/2017
	01-9065-X-1110-1000-4310-150-50801 General Fund		
539811	Perma-Bound Books	425.75	05/18/2017
	01-0000-X-1110-2420-4210-205-32601 General Fund		
539812	Perma-Bound Books	466.56	05/18/2017
	01-0000-X-1110-2420-4210-205-11101 General Fund		
539813	Follett School Solutions, Inc.	545.17	05/18/2017
	01-0000-X-1110-2420-4210-205-32601 General Fund		
539814	Follett School Solutions, Inc.	76.36	05/18/2017
	01-0000-X-1110-2420-4210-205-32601 General Fund		
539815	Home Depot	1,441.34	05/18/2017
	01-0000-X-0000-8100-4310-240-11101 General Fund		
539816	B&H Photo	5,884.11	05/18/2017
	01-6385-7-3800-1000-4410-215-50901 General Fund		
539817	DBQ Company (The)	1,191.56	05/18/2017
	01-3010-0-1110-1000-4310-105-41901 General Fund		
	01-0900-X-1110-1000-4310-105-41901 General Fund		
539818	MakeMusic! Inc.	1,510.77	05/18/2017
	01-0000-X-1191-1000-4320-215-33401 General Fund		
539819	Sport Supply Group, Inc.	193.26	05/18/2017
	01-0000-X-1123-4200-4310-000-38401 General Fund		
539820	National Fleet Tire Service Inc.	2,254.92	05/18/2017
	01-0000-X-0000-0000-9327-000-00001 General Fund		
539821	KOAZ Inc.	2,995.36	05/18/2017
	01-0000-X-1110-2110-5890-000-35101 General Fund		
539822	Robert Bosch Tool corp	1,557.83	05/19/2017
	01-4050-X-1110-2140-4410-000-32901 General Fund		
539823	Robert Bosch Tool corp	7,789.13	05/18/2017
	01-6387-X-3800-1000-4410-000-99601 General Fund		
539824	Sport Supply Group, Inc.	271.68	05/18/2017
	01-0000-X-1123-4200-4310-210-11201 General Fund		
539825	B&H Photo	959.22	05/18/2017
	01-0900-X-1110-1000-4310-160-41901 General Fund		
539826	Nextel West Corp.	299.78	05/18/2017
	01-8150-X-0000-8100-4310-000-85001 General Fund		
539827	Nextel West Corp.	149.08	05/18/2017
	01-0000-X-0000-8100-4310-000-63701 General Fund		
539828	Textbook Warehouse	265.21	05/18/2017
	01-0910-X-1110-1000-4110-000-33601 General Fund		
539829	ROBO 3D, Inc.	140.73	05/18/2017
	01-0000-X-1110-2420-4410-125-32501 General Fund		
539830	Prophet Corporation (The)	251.35	05/18/2017
	01-0000-X-1110-2700-4310-110-11101 General Fund		
539831	Prophet Corporation (The)	949.90	05/18/2017
	01-0000-X-1123-4200-4310-000-38401 General Fund		
539832	SupplyMaster, Inc.	463.31	05/18/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-3010-X-1110-1000-4310-250-41901 General Fund		
539833	UZBL, LLC	0.01	05/18/2017
	01-0000-X-0000-7700-6410-000-52301 General Fund		
539834	School Specialty, Inc.	635.73	05/23/2017
	01-3010-0-1110-1000-4310-110-41901 General Fund		
539835	Demco Inc.	9,276.37	05/24/2017
	01-9065-X-1110-1000-4411-115-50801 General Fund		
	01-9065-X-1110-1000-4411-115-45801 General Fund		
539836	VEX Robotics, Inc.	2,460.00	05/24/2017
	01-9065-X-1110-1000-4310-115-50801 General Fund		
539837	Rasix Computer Center, Inc.	1,780.71	05/18/2017
	01-9065-X-1110-1000-4310-115-50801 General Fund		
539838	Cambridge Holdings corporation	357.40	05/23/2017
	01-9065-X-1110-1000-4310-115-50801 General Fund		
539839	Canvas Concepts, Inc.	3,631.44	05/18/2017
	01-8150-X-0085-8100-5620-000-85001 General Fund		
539840	Canvas Concepts, Inc.	7,886.26	05/18/2017
	01-7230-X-0000-3600-4310-000-54601 General Fund		
539841	Nordic Supply Inc.	181.55	05/18/2017
	01-0000-X-1162-1000-4310-225-11101 General Fund		
539842	Sportsgraphics	5,862.50	05/18/2017
	01-0000-X-1123-4200-4310-210-11201 General Fund		
	01-0000-X-1123-1000-4310-210-87201 General Fund		
539843	Precision Dynamics Corporation	353.19	05/18/2017
	01-0000-X-1191-1000-4310-125-33401 General Fund		
539844	Follett School Solutions, Inc.	252.80	05/18/2017
	01-0000-X-1110-2420-4210-140-32601 General Fund		
539845	Bertrands Music	6,023.35	05/18/2017
	01-0900-X-1110-1000-4415-125-41901 General Fund		
539846	American Center for Learning	17,035.00	05/18/2017
	01-3010-X-1110-1000-5810-912-41901 General Fund		
	01-3010-X-1110-1000-5810-913-41901 General Fund		
	01-3010-X-1110-1000-5810-914-41901 General Fund		
	01-3010-X-1110-1000-5810-922-41901 General Fund		
	01-3010-0-1110-1000-5810-912-41901 General Fund		
539847	Harris, James a.	2,500.00	05/18/2017
	01-0000-X-0000-7600-5855-000-60401 General Fund		
539848	B&H Photo	3,893.32	05/18/2017
	01-6500-X-5030-1110-4410-000-39201 General Fund		
539849	Vista Environmental Consulting, Inc	2,378.00	05/18/2017
	25-0000-X-0000-8500-6223-000-8125 Capital Facilities Fund		
539850	American Fence and Security Company, Inc.	2,820.00	05/18/2017
	01-8150-X-0000-8100-5620-000-85001 General Fund		
539851	American Fence and Security Company, Inc.	2,820.00	05/18/2017
	01-8150-X-0000-8100-5620-000-85001 General Fund		
539852	Datel Systems Inc.	1,987.47	05/18/2017
	01-0000-X-1110-2700-4410-105-11101 General Fund		
539853	Dion International Trucks LLC	351.55	05/18/2017

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	01-0000-X-0000-0000-9327-000-0001 General Fund		
539854	Sport Supply Group, Inc.	1,086.38	05/18/2017
	01-9065-X-1110-1000-4310-115-5081 General Fund		
539855	iDesign USA Corp.	2,879.36	05/18/2017
	01-0900-X-1110-1000-4310-105-4191 General Fund		
539856	B&H Photo	2,885.49	05/18/2017
	01-9065-X-1110-1000-4410-115-5081 General Fund		
	01-9065-X-1110-1000-4310-115-5081 General Fund		
539857	Illuminate Education, Inc	798.00	05/19/2017
	01-0900-X-1110-2700-5220-240-4191 General Fund		
539859	Vavrinek, Trine, Day & Co. LLP	51,500.00	05/19/2017
	01-0000-X-0000-7191-5854-000-5721 General Fund		
539860	Vavrinek, Trine, Day & Co. LLP	6,000.00	05/19/2017
	01-0000-X-0000-7191-5854-000-5721 General Fund		
539861	Aristotle Corporation	878.34	05/24/2017
	01-0900-X-1110-1000-4310-105-4191 General Fund		
539862	Flinn Scientific, Inc.	270.24	05/24/2017
	01-0900-X-1110-1000-4310-105-4191 General Fund		
539863	Flinn Scientific, Inc.	5,436.29	05/24/2017
	01-0900-X-1110-1000-4310-105-4191 General Fund		
539864	Pasco Scientific	131.08	05/23/2017
	01-0900-X-1110-1000-4310-105-4191 General Fund		
539865	Delta Education LLC	278.12	05/23/2017
	01-0900-X-1110-1000-4310-105-4191 General Fund		
539866	Oriental Trading Company, Inc	221.93	05/23/2017
	01-0900-X-1110-1000-4310-155-4191 General Fund		
539867	Cambridge Holdings corporation	998.41	05/24/2017
	01-9065-X-1110-1000-4310-115-5081 General Fund		
539868	Demco Inc.	126.98	05/23/2017
	01-0000-X-1110-2420-4310-225-1111 General Fund		
539869	B&H Photo	873.10	05/19/2017
	01-9065-X-1110-1000-4310-115-5081 General Fund		
539870	Broadway Typewriter Company Inc	1,287.76	05/19/2017
	01-9065-X-1110-1000-4410-115-4581 General Fund		
539871	Colorado Instruments, Inc	1,039.37	05/19/2017
	01-9065-X-1110-1000-4310-115-4581 General Fund		
539872	Pro-Ed	1,536.07	05/19/2017
	01-6500-X-5001-3120-4310-000-3911 General Fund		
	01-6500-X-5001-2110-4310-000-3911 General Fund		
539873	Pearson Education, Inc.	12,781.93	05/19/2017
	01-0910-X-1110-1000-4110-000-3361 General Fund		
539874	Follett School Solutions, Inc.	1,160.98	05/19/2017
	01-3010-X-1110-1000-4310-110-4021 General Fund		
539875	Briarwood Professional Group	506.61	05/19/2017
	01-0000-X-1110-1000-4310-225-2281 General Fund		
539876	Uline, Inc.	627.49	05/19/2017
	01-9065-X-1110-1000-4310-115-4581 General Fund		
539877	Regents of The University of Minnesota	244.38	05/19/2017
	01-6300-X-1110-1000-4310-120-3361 General Fund		

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539878	BirdBrain Technologies LLC 01-0000-X-1110-1000-4310-260-11 D1 General Fund	2,445.90	05/19/2017
539879	IVS Computer Technology 01-6500-X-5001-2110-4310-295-11 D1 General Fund	816.41	05/19/2017
539880	Southern California Sound Image 01-8150-X-0000-8100-5620-000-86601 General Fund	1,125.00	05/19/2017
539881	Follett School Solutions, Inc. 01-0000-X-1110-2420-4310-105-32501 General Fund	336.59	05/19/2017
539882	Follett School Solutions, Inc. 01-0000-X-1110-2420-4210-105-32501 General Fund	667.97	05/19/2017
539883	Goodheart-Willcox Publisher 01-0910-X-1110-1000-4110-000-33601 General Fund	19,730.75	05/19/2017
539884	Lerner Publishing Group 01-0900-X-1110-2420-4310-120-32501 General Fund	351.65	05/19/2017
539885	College Store Enterprises, Inc. 01-0000-X-0000-7600-4310-000-60401 General Fund	96.40	05/19/2017
539886	CDW Government, Inc. 01-0900-X-1110-1000-4310-125-41901 General Fund	642.23	05/22/2017
539887	Kagan Publishing, Inc. 01-3010-0-1110-1000-4310-110-41901 General Fund	815.93	05/19/2017
539888	Follett School Solutions, Inc. 01-0900-X-1110-2420-4310-125-32501 General Fund	4,418.03	05/19/2017
539889	Junior Library Guild 01-0900-X-1110-2420-4310-120-32501 General Fund	315.01	05/19/2017
539890	Pearson Education, Inc. 01-0000-X-1110-1000-4110-285-32601 General Fund	4,651.14	05/19/2017
539891	Follett School Solutions, Inc. 01-0900-X-1110-1000-4310-105-41901 General Fund	808.82	05/19/2017
539892	Dynavox Systems Holdings LLC 01-6500-X-5001-2110-4310-000-39 D1 General Fund	721.05	05/22/2017
539893	Avid Center 01-0900-X-1110-1000-5220-125-40201 General Fund	760.00	05/19/2017
539894	Scholastic Inc. 01-0900-X-1110-1000-4310-105-41901 General Fund	355.66	05/19/2017
539895	Scholastic Inc. 01-0900-X-1110-1000-4310-105-41901 General Fund	1,969.89	05/19/2017
539896	Chula Vista Alarm, Inc. 01-0000-X-1110-2700-4310-280-11 D1 General Fund	651.80	05/19/2017
539897	Gardena Valley News, Inc., The 01-0000-X-1110-2700-4310-280-11 D1 General Fund	1,811.20	05/19/2017
539898	Don Oleson Inc. 01-0000-X-0000-0000-9327-000-00001 General Fund	665.74	05/19/2017
539899	Psychological Assessment Resources, Inc. 01-6500-X-5001-3120-4310-000-39 D1 General Fund	3,478.35	05/19/2017
539900	Sports Endeavors, Inc. 01-9065-X-1123-1000-4310-115-45801 General Fund	167.47	05/19/2017
539901	Sports Endeavors, Inc. 01-9065-X-1123-1000-4310-115-45801 General Fund 01-9065-X-1123-1000-4310-115-50801 General Fund	2,100.79	05/19/2017
539902	College Board (The)	910.00	05/19/2017

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	01-0900-X-1110-1000-4320-255-41901 General Fund		
539903	Rasix Computer Center, Inc.	348.57	05/19/2017
	01-0000-X-3300-1000-4310-000-30301 General Fund		
539904	B&H Photo	3,200.01	05/19/2017
	01-9065-X-1110-1000-4410-115-50801 General Fund		
	01-9065-X-1110-1000-4310-115-50801 General Fund		
539905	Melendez, Hector	1,623.75	05/22/2017
	01-0900-X-1110-1000-4320-105-41901 General Fund		
539906	Scholastic Inc.	264.73	05/22/2017
	11-3905-X-4110-1000-4210-000-75011 Adult Education Fund		
539907	Uline, Inc.	815.85	05/19/2017
	01-0000-X-1190-2490-4310-215-65401 General Fund		
539908	B&H Photo	4,448.11	05/19/2017
	01-9065-X-1110-1000-4310-120-45801 General Fund		
	01-9065-X-1110-1000-4410-120-45801 General Fund		
539909	CDW Government, Inc.	297.23	05/19/2017
	01-0000-X-1110-2700-4310-230-11011 General Fund		
539910	San Diego Theatres, inc	949.50	05/19/2017
	01-9065-X-1110-1000-5880-115-45801 General Fund		
539911	Tariq Khamisa Foundation	1,550.00	05/19/2017
	01-0900-X-1110-1000-5810-000-68201 General Fund		
539912	CDW Government, Inc.	143.97	05/19/2017
	01-0000-X-0000-7100-4310-000-66201 General Fund		
539913	Guay, Normand P.	1,800.00	05/19/2017
	01-7220-7-3800-1000-5810-235-50901 General Fund		
539914	Advanced Healthstyles Fitness Equipment, Inc.	6,370.24	05/22/2017
	01-6387-X-3800-1000-4410-000-99601 General Fund		
539915	NCS Pearson, Inc.	1,356.74	05/22/2017
	01-6500-X-5001-2110-4310-000-39011 General Fund		
539916	Stopper Group (The)	510.94	05/19/2017
	01-0000-X-1190-2490-4310-240-65401 General Fund		
539917	Scholastic Inc.	448.88	05/19/2017
	01-0000-X-1162-1000-4310-225-11011 General Fund		
539918	Nova Press Group, Inc	975.33	05/19/2017
	01-0000-X-0000-0000-9327-000-00001 General Fund		
539919	National Fleet Tire Service Inc.	3,442.35	05/19/2017
	01-0000-X-0000-0000-9327-000-00001 General Fund		
539921	Oxford University Press	882.39	05/22/2017
	01-3010-0-1110-1000-4310-225-41901 General Fund		
539922	Aristotle Corporation	420.98	05/22/2017
	01-3010-X-1110-1000-4310-260-41901 General Fund		
539923	Molly Hawkins' House, Inc.	471.18	05/22/2017
	01-0000-X-1190-1000-4310-000-33301 General Fund		
539924	Patterson Medical Supply, Inc	2,718.07	05/22/2017
	01-0000-X-1110-1000-4310-260-11011 General Fund		
539925	Dick Blick Company	257.74	05/22/2017
	01-0000-X-1111-1000-4310-235-11011 General Fund		
539926	Toys For Special Children	464.01	05/22/2017
	01-6500-X-5030-1110-4310-000-39201 General Fund		

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
539927	Toys For Special Children 01-6500-X-5030-1110-4310-000-39201 General Fund	40.01	05/22/2017
539928	S&S Worldwide 01-9065-X-1110-1000-4310-150-45801 General Fund	2,632.12	05/22/2017
539929	Barnes & Noble Booksellers, USA Inc. 01-0900-X-1110-2420-4310-125-32301 General Fund	125.93	05/22/2017
539930	Flinn Scientific, Inc. 01-0900-X-1110-1000-4310-110-41901 General Fund	1,285.01	05/22/2017
539931	Scholastic Inc. 01-3010-X-1110-1000-4310-260-41901 General Fund	108.14	05/22/2017
539932	County Of San Diego 01-0000-X-0000-8100-5890-000-88001 General Fund	586.00	05/22/2017
539933	iDesign USA Corp. 01-9065-X-1110-1000-4410-120-45801 General Fund	3,473.74	05/22/2017
539934	Newegg Business, Inc. 01-4124-X-1110-1000-4310-225-41901 General Fund	855.21	05/22/2017
539935	Golden, Dani 01-0000-X-1110-2420-5810-120-32301 General Fund	400.00	05/23/2017
539936	Nevertardy Transit, LLC 01-6387-X-3800-1000-5820-000-99601 General Fund	650.00	05/22/2017
539937	Scholastic Inc. 01-3010-X-1110-1000-4310-210-41901 General Fund	1,775.14	05/22/2017
539938	Line Printing Company (The) 01-0000-X-1110-2700-4310-205-11101 General Fund	30.98	05/22/2017
539939	College Board (The) 01-0000-X-1110-1000-5220-280-11101 General Fund	1,050.00	05/23/2017
539940	Regents of the University of California Berkeley 01-0000-X-0000-7600-5220-000-60401 General Fund 01-0000-X-0000-7600-4410-000-60401 General Fund	190.32	05/22/2017
539941	WestEd 01-0900-X-1110-1000-5810-130-40201 General Fund 01-0900-X-1110-1000-5810-130-41901 General Fund	40,000.00	05/22/2017
539942	School Health Corporation 01-6387-X-3800-1000-4310-000-99601 General Fund	7,136.20	05/22/2017
539943	Dynatronics Corp 01-6387-X-3800-1000-4410-000-99601 General Fund	5,571.55	05/22/2017
539944	Hidden Valley Investments, Inc 01-0910-X-0000-3600-6410-000-54601 General Fund	36,336.83	05/22/2017
539945	Scholastic Inc. 01-3010-X-1110-1000-4310-260-41901 General Fund	392.77	05/22/2017
539946	Greenwood Publishing Group, Inc. 01-3010-X-1110-1000-4310-240-41901 General Fund	176.75	05/22/2017
539947	Lerner Publishing Group 01-0900-X-1110-2420-4310-225-32301 General Fund	923.93	05/22/2017
539948	College Board (The) 01-0000-X-1110-1000-5220-280-11101 General Fund	1,050.00	05/25/2017
539949	Nevertardy Transit, LLC 01-0000-X-1123-4200-5822-225-11201 General Fund	495.00	05/22/2017
539950	Royal Lines Charters, LLC	784.00	05/22/2017

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<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-0000-X-1123-4200-5822-255-11 0 1 General Fund		
539951	Sundance Stage Lines, Inc.	845.00	05/22/2017
	01-0000-X-1123-4200-5822-255-11 0 1 General Fund		
539952	B&H Photo	591.68	05/22/2017
	01-4124-X-1110-1000-4410-225-41 0 1 General Fund		
	01-4124-X-1110-1000-4310-225-41 0 1 General Fund		
539953	Herman, Thomas	3,200.00	05/22/2017
	01-3010-X-1110-2140-5810-000-40 0 1 General Fund		
539954	Uline, Inc.	1,031.95	05/22/2017
	01-0000-X-0000-7300-4310-000-56 0 1 General Fund		
539955	Uline, Inc.	283.31	05/22/2017
	01-6500-X-5770-1130-4310-000-39 0 1 General Fund		
539956	George's Lawn Equipment	1,258.87	05/25/2017
	01-0000-X-0000-8100-4310-260-11 0 1 General Fund		
	01-0000-X-1110-1000-4310-260-11 0 1 General Fund		
539957	Broadway Typewriter Company Inc	1,398.29	05/23/2017
	01-0000-X-1110-2420-4410-120-32 0 1 General Fund		
539958	Flinn Scientific, Inc.	6,841.85	05/25/2017
	01-0900-X-1110-1000-4410-230-41 0 1 General Fund		
539959	ASI Associates, Inc.	516.15	05/23/2017
	01-0000-X-1144-1000-4310-205-11 0 1 General Fund		
539960	Presentation Products, Inc.	238.39	05/23/2017
	01-0900-X-1176-1000-4310-000-33 0 1 General Fund		
539961	MatterHackers, Inc.	1,618.34	05/24/2017
	01-0900-X-1110-2420-4310-125-32 0 1 General Fund		
539962	Lakeshore Learning Materials	394.38	05/24/2017
	01-0900-X-1110-1000-4310-105-41 0 1 General Fund		
539963	VWR Funding, Inc.	1,858.40	05/25/2017
	01-6385-7-3800-1000-4310-210-50901 General Fund		
539964	Presentation Products, Inc.	787.64	05/23/2017
	01-0000-X-1110-1000-4310-285-11 0 1 General Fund		
539965	JES Engraving Company, Inc.	48.71	05/23/2017
	01-0000-X-1110-1000-4310-285-11 0 1 General Fund		
539966	Office Depot	3,237.63	05/23/2017
	01-0000-X-1110-1000-4310-145-11 0 1 General Fund		
539967	Apple Computer Inc.	11,922.35	05/23/2017
	01-4124-X-1110-1000-4410-225-41 0 1 General Fund		
539968	Russell Sigler, Inc.	4,508.61	05/23/2017
	01-8150-X-0000-8100-4310-000-86 0 1 General Fund		
539969	School Services Of California, Inc.	165.00	05/23/2017
	01-0000-X-0000-7600-5220-000-60 0 1 General Fund		
539970	Line Printing Company (The)	19.88	05/23/2017
	01-0000-X-1110-2700-4310-205-11 0 1 General Fund		
539971	Design For Health Env Ed Ctr; Pacific Rim Div Inc.	225.00	05/23/2017
	01-0000-X-0000-8100-5220-000-88 0 1 General Fund		
539972	Voice and Video	1,296.84	05/23/2017
	01-3010-0-1110-2495-4410-140-41901 General Fund		
539973	Broadway Typewriter Company Inc	1,635.34	05/23/2017
	01-9065-X-1110-1000-4410-120-45 0 1 General Fund		

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539974	Datel Systems Inc. 01-0000-X-1110-2420-4410-120-32501 General Fund	388.62	05/23/2017
539975	CDW Government, Inc. 01-0000-X-1110-2420-4310-120-32501 General Fund 01-0000-X-1110-2420-4410-120-32501 General Fund	1,578.74	05/23/2017
539976	iDesign USA Corp. 01-3010-X-1110-1000-4310-235-41901 General Fund 01-3010-X-1110-1000-4410-235-41901 General Fund	2,850.62	05/23/2017
539977	South Bay Community Services 01-0900-X-1110-3140-5810-000-68201 General Fund 01-0900-X-1110-3140-5100-000-68201 General Fund	110,000.00	05/24/2017
539978	Chula Vista Elementary School District 01-0900-X-1110-3140-5810-000-68201 General Fund 01-0900-X-1110-3140-5100-000-68201 General Fund	130,000.00	05/24/2017
539980	School Specialty, Inc. 01-0000-X-1111-1000-4310-235-11D1 General Fund	408.42	05/23/2017
539981	Graphic Design Marking Systems, Inc 01-4124-X-1110-1000-4310-260-41901 General Fund	657.61	05/23/2017
539982	George's Lawn Equipment 01-0000-X-0000-8100-4310-205-11D1 General Fund	357.21	05/24/2017
539983	Demco Inc. 01-0000-X-1110-1000-4411-260-11D1 General Fund	1,639.48	05/24/2017
539984	hand2mind, Inc. 01-0900-X-1110-1000-4310-105-41901 General Fund	865.78	05/24/2017
539985	Rasix Computer Center, Inc. 01-0000-X-1110-1000-4310-145-11D1 General Fund	246.81	05/24/2017
539986	Smart & Final Stores Corporation 01-0000-X-1110-4300-4317-000-61801 General Fund	300.00	05/24/2017
539987	National Furniture Services 01-0000-X-1110-2700-4411-205-11D1 General Fund	316.37	05/24/2017
539988	Mathspace Inc 01-3010-0-1110-1000-4310-110-41901 General Fund	10,250.00	05/24/2017
539989	United Parcel Service, Inc. (OH) 01-3010-X-5750-1110-4310-295-41901 General Fund	13.30	05/24/2017
539990	Aleph Objects, Inc. 01-0000-X-1110-1000-4410-000-56801 General Fund	1,786.13	05/24/2017
539991	Infor (US), Inc. 01-0000-X-0000-7700-5620-000-52501 General Fund	155,786.12	05/24/2017
539992	Terra Bella Nursery, Inc. 01-0000-X-0000-8100-4310-285-11D1 General Fund	7,563.97	05/25/2017
539993	KEEP I.T. EASY LLC 01-0000-X-1110-1000-4310-240-21701 General Fund	417.57	05/24/2017
539994	Demco Inc. 01-0000-X-1110-2420-4310-105-32501 General Fund	314.15	05/25/2017
539995	CDW Government, Inc. 01-0900-X-1110-1000-4310-125-41901 General Fund	166.79	05/24/2017
539996	Scantron Corporation 01-0000-X-1110-1000-4310-205-11D1 General Fund	2,177.47	05/25/2017
539997	B&H Photo	607.59	05/25/2017

Purchase Order Listing**From 5/1/2017 Through 5/31/2017**

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-9065-X-1110-1000-4310-135-50801 General Fund		
539998	Sport Supply Group, Inc.	875.24	05/25/2017
	01-0000-X-1123-4200-4410-000-38401 General Fund		
539999	National Recognition Products of Southern	9,116.80	05/25/2017
	01-0000-X-1110-1000-4310-240-56701 General Fund		
	01-0000-X-1110-1000-5890-240-56701 General Fund		
540000	San Diego Graduate Supply	2,731.15	05/25/2017
	01-0000-X-1110-1000-4310-255-56701 General Fund		
540001	San Diego Graduate Supply	648.31	05/25/2017
	01-0000-X-1110-1000-5890-255-56701 General Fund		
540002	San Diego Graduate Supply	1,290.00	05/25/2017
	01-0000-X-1110-1000-5890-205-56701 General Fund		
540003	Hunter, Ross	375.00	05/25/2017
	01-0000-X-0000-7500-5620-000-54101 General Fund		
540004	Paper Direct, Inc.	74.57	05/25/2017
	01-0000-X-1110-1000-4310-000-56801 General Fund		
540005	Tree House, Inc. (The)	233.82	05/25/2017
	01-0000-X-1110-1000-4310-285-11101 General Fund		
540006	William V. MacGill & Co.	626.97	05/25/2017
	01-0000-X-1110-1000-4310-105-11101 General Fund		
540007	Ninyo & Moore	4,444.00	05/25/2017
	25-0000-X-0000-8500-6240-000-8125 Capital Facilities Fund		
540008	Memphis Net & Twine Co. Inc.	3,773.69	05/25/2017
	01-9065-X-1123-1000-4310-115-50801 General Fund		
540009	International Baccalaureate Organization NA, Inc	13,914.00	05/25/2017
	01-0000-X-0000-7600-5885-000-57201 General Fund		
540010	Troxell Communications, Inc.	1,125.80	05/25/2017
	01-0900-X-1110-1000-4310-125-41901 General Fund		
540011	Multi Service Technology Solutions, Inc.	3,186.17	05/25/2017
	01-4124-X-1110-1000-4310-210-41901 General Fund		
	01-4124-X-1110-1000-4410-210-41901 General Fund		
540012	Broadway Typewriter Company Inc	525,000.00	05/25/2017
	01-9010-X-1110-1000-5620-000-52401 General Fund		
	01-0910-X-1110-1000-5620-000-53801 General Fund		
	01-0910-X-0000-7700-5620-000-52501 General Fund		
	01-0000-X-1110-1000-5620-000-53801 General Fund		
540013	San Diego County Superintendent of Schools	117,200.00	05/26/2017
	40-6230-X-0000-8100-5810-000-0040 Special Reserve Fund for Capital Outlay Projects		
540014	GB's Fence Company	4,400.00	05/26/2017
	35-7777-X-9002-8506-6234-000-80035 County School Facilities Fund		
540015	Construction Quality Assurance Group, LLC	33,150.00	05/26/2017
	25-0000-X-0000-8500-6245-000-8125 Capital Facilities Fund		
540016	Glass Company, Inc. (The)	918.88	05/25/2017
	01-8150-X-0000-8100-5620-000-85101 General Fund		
540017	Blue Horse Service inc	1,200.00	05/26/2017
	01-0000-X-1110-4200-5820-000-37701 General Fund		
540018	Dion International Trucks LLC	4,186.70	05/26/2017
	01-0000-X-0000-0000-9327-000-00001 General Fund		
540019	V.A.D. Enterprises, Inc.	691.36	05/26/2017

Purchase Order Listing**From 5/1/2017 Through 5/31/2017**

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-0000-X-0000-0000-9327-000-00001 General Fund		
540020	Southwestern College	73,880.00	05/26/2017
	01-0000-X-1110-3900-5820-000-38D1 General Fund		
540021	City of San Diego	100,000.00	05/26/2017
	01-0000-X-1110-3900-5820-000-38D1 General Fund		
540023	72 Hour LLC	32,839.75	05/30/2017
	01-0910-X-3800-2100-6410-000-99D1 General Fund		
540024	Pitney Bowes Inc.	4,650.03	05/30/2017
	01-0000-X-0000-7500-5620-000-54D1 General Fund		
540025	Aristotle Corporation	56.18	05/30/2017
	01-3010-0-1110-1000-4310-110-41901 General Fund		
540026	Aristotle Corporation	518.52	05/30/2017
	01-3010-0-1110-1000-4310-110-41901 General Fund		
540027	QuadQuestions LLC	2,373.52	05/30/2017
	01-4124-X-1110-1000-4310-260-41D1 General Fund		
540028	Educational Testing Services	5,750.00	05/30/2017
	11-6391-X-4110-2110-5820-482-73D1 Adult Education Fund		
540029	Waxie's Enterprises, Inc.	161.88	05/30/2017
	01-0900-X-1110-1000-4310-210-41D1 General Fund		
	01-0000-X-0000-8100-4310-210-11D1 General Fund		
540030	Mayer Reprographics	1,000.00	05/30/2017
	25-0000-X-9020-8500-6224-000-81D5 Capital Facilities Fund		
540031	WestEd	80,000.00	05/31/2017
	01-0900-X-1110-1000-5810-000-40D1 General Fund		
540032	A-Z Bus Sales, Inc.	1,226.05	05/31/2017
	01-0000-X-0000-0000-9327-000-00001 General Fund		
540033	City Of Chula Vista	1,703.24	05/31/2017
	01-0000-X-1110-2100-5890-000-29D1 General Fund		
540034	Peterson's Nelnet, LLC	12,000.00	05/31/2017
	01-3010-X-1110-1000-5810-916-41D1 General Fund		
	01-3010-0-1110-1000-5810-912-41901 General Fund		
	01-3010-0-1110-1000-5810-913-41901 General Fund		
	01-3010-0-1110-1000-5810-914-41901 General Fund		
	01-3010-0-1110-1000-5810-916-41901 General Fund		
540035	Law Offices of Matthew B. Golding, A.P.C.	49,884.55	05/31/2017
	01-0000-X-0000-7600-5855-000-60D1 General Fund		
540036	ActionTec Electronics, Inc	1,472.18	05/31/2017
	01-0000-X-0000-7700-4410-000-52D1 General Fund		
540037	Microbric, LLC	756.67	05/31/2017
	01-0900-X-1110-1000-4310-210-41D1 General Fund		
540038	3QC, Inc	25,150.00	05/31/2017
	35-7777-X-9002-8506-6240-000-80D5 County School Facilities Fund		
5811710	Everything Medical, LLC	697.56	05/03/2017
	01-0000-X-0000-0000-9320-000-00001 General Fund		
5811711	Cummings, Sara	243.56	05/03/2017
	01-0000-X-0000-0000-9320-000-00001 General Fund		
5811712	Moore Medical LLC	265.21	05/03/2017
	01-0000-X-0000-0000-9320-000-00001 General Fund		
5811713	Moore Medical LLC	795.64	05/03/2017

Purchase Order Listing**From 5/1/2017 Through 5/31/2017**

<u>PO NUMBER</u>	<u>VENDOR</u>	<u>AMOUNT</u>	<u>PRINT DATE</u>
	01-0000-X-0000-0000-9320-000-00001 General Fund		
5811714	Moore Medical LLC	795.64	05/03/2017
	01-0000-X-0000-0000-9320-000-00001 General Fund		
5811715	SW School Supply Inc.	135.62	05/03/2017
	01-0000-X-0000-0000-9320-000-00001 General Fund		
5811716	SW School Supply Inc.	766.41	05/10/2017
	01-0000-X-0000-0000-9320-000-00001 General Fund		
5811717	Office Depot	91.58	05/10/2017
	01-0000-X-0000-0000-9320-000-00001 General Fund		
5811718	Office Depot	21,332.18	05/10/2017
	01-0000-X-0000-0000-9320-000-00001 General Fund		
5811719	Kelly Paper Co.	1,571.79	05/22/2017
	01-0000-X-0000-0000-9320-000-00001 General Fund		
5811720	Office Depot	389.70	05/10/2017
	01-0000-X-0000-0000-9320-000-00001 General Fund		
SF783112	California Landscape & Design Inc	2,649,000.00	05/12/2017
	22-0220-X-9001-8500-6236-000-8122 Building Fund (Prop. O)		
SF783128	San Diego County Superintendent of Schools	7,360.00	05/01/2017
	22-0220-X-0000-8100-5890-000-5722 Building Fund (Prop. O)		
SF783129	State of California	3,328.83	05/08/2017
	22-0000-X-9003-8571-6221-000-8132 Building Fund (Prop. O)		
SF783130	Lawton Printing Inc.	151.55	05/08/2017
	22-0220-X-0000-8100-4310-000-5722 Building Fund (Prop. O)		
SF783131	C. W. Driver	32,949,742.00	05/17/2017
	22-0220-X-9002-8506-6236-000-8022 Building Fund (Prop. O)		
SF783132	Quality Fence Co., Inc.	1,387.05	05/15/2017
	22-0000-X-0000-8507-6236-000-8162 Building Fund (Prop. O)		
SF783133	Parkabike Inc.	5,613.41	05/17/2017
	22-0000-X-0024-8506-4410-000-8222 Building Fund (Prop. O)		
SF783134	South Bay Fence Inc.	5,300.00	05/19/2017
	22-0000-X-9003-8500-6236-000-8222 Building Fund (Prop. O)		
SF783135	GEM Industrial Electric, Inc.	8,900.00	05/19/2017
	22-0220-X-9001-8500-6236-000-8152 Building Fund (Prop. O)		
SF783137	Pio Hernandez Construction	1,500.00	05/23/2017
	22-0000-X-0025-8561-6236-000-8022 Building Fund (Prop. O)		
	22-0000-X-0025-8571-6236-000-8022 Building Fund (Prop. O)		
	22-0000-X-0025-8572-6236-000-8022 Building Fund (Prop. O)		
PURCHASE ORDER COUNT =	1,501	\$45,943,410.03	

Purchase Order Listing Detail

<u>PO NUM</u>	<u>VENDOR</u>	<u>SITE</u>	<u>LINE</u>	<u>REQ NUM</u>	<u>QTY</u>	<u>ISS</u>	<u>DESCRIPTION</u>	<u>UNITCOST</u>	<u>TOTALCOST</u>
535594	Royal Lines Charters, LLC	Southwest Middle School	1	RQ17010436	1	Lot	Charter Bus for 5/19/2017 for STEAM field trip to Medieval Times & Safari Park, 7662 Beach Blvd. Buena Park, CA. TPick up 61 students @ SOM at 7:00 am and Dropoff students at SOM at 7:00 pm. Contact person : Norma Uriarte	\$1,025.00	\$1,025.00
535594	Royal Lines Charters, LLC	Southwest Middle School	3	RQ17010436	1	.		\$0.00	\$0.00
537553	Royal Lines Charters, LLC	Montgomery High School	1	RQ17013484	1	lot	CHARTER BUS TO AND FROM MONTGOMERY HIGH SCHOOL TO UNIVERSAL STUDIO, 100 UNIVERSAL CITY, CA ON MAY 18, 2017 Change Order # 1 - PO revised to add overtime hours per Invoice dated 5/22/17. svb 6/7/17	\$1,070.00	\$1,070.00
537553	Royal Lines Charters, LLC	Montgomery High School	3	RQ17013484	1	lot		\$0.00	\$0.00
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	1	RQ17014125	1	ea	ISBN: 9781481422352, Afterworlds TP	\$9.74	\$9.74
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	2	RQ17014125	1	ea	ISBN : 9786073140478, Agu Trot / Esio Trot TP	\$7.46	\$7.46
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	3	RQ17014125	2	ea	ISBN: 9780142403709, Al Capone Does My Shirts TP	\$5.83	\$11.66
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	4	RQ17014125	5	ea	ISBN: 9780142417188, Al Capone Shines My Shoes TP	\$11.54	\$57.70
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	5	RQ17014125	1	ea	ISBN: 9781581055764, Artist's Easel: Book C TP	\$11.96	\$11.96
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	6	RQ17014125	1	ea	ISBN: 9786073134477, Austin Mahone. Tal como Paso TP	\$14.96	\$14.96
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	7	RQ17014125	1	ea	ISBN: 9789707703599, Aventura de la Papa TP	\$6.74	\$6.74
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	8	RQ17014125	1	ea	ISBN: 9781603966238, Barack Obama: Presidente de Estados Unidos	\$7.49	\$7.49
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	9	RQ17014125	1	ea	ISBN: 9781581055771, Vanvas and Paper: Book D TP	\$11.96	\$11.96
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	10	RQ17014125	1	ea	ISBN: 9786073137157, Charliey El Ascensor de Cristal	\$8.21	\$8.21
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	11	RQ17014125	6	ea	ISBN: 9780060510329, Ciudad de las Bestias= The City of the beasts	\$12.94	\$77.64
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	12	RQ17014125	6	ea	ISBN: 9780156031820, Color Purple	\$12.22	\$73.32
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	13	RQ17014125	1	ea	ISBN: 9789707707580, Como vivian los Romanos= Life in Ancient Rome	\$6.74	\$6.74
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	14	RQ17014125	1	ea	ISBN: 9786073137249, Cuentos En Verso Para Ninos Perversos	\$6.71	\$6.71

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537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	5	RQ17014125	6	ea	ISBN: 9780439269704, Dreamer TC	\$19.94	\$119.64
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	6	RQ17014125	6	ea	ISBN: 9781419712173, El Deafo TP	\$13.62	\$81.72
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	7	RQ17014125	1	ea	ISBN: 9781631135408, En Alas del Condor TP	\$13.46	\$13.46
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	8	RQ17014125	1	ea	ISBN: 9781250030955, Fangirl TC	\$14.24	\$14.24
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	9	RQ17014125	6	ea	ISBN: 9780316011709, Firegirl TP	\$10.85	\$65.10
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	20	RQ17014125	5	ea	ISBN: 9781935955948, Gabi a Girl in Pieces TC	\$18.52	\$92.60
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	21	RQ17014125	5	ea	ISBN: 9781594485152, Girl in Translation TP	\$17.15	\$85.75
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	22	RQ17014125	5	ea	ISBN: 9780425245132, Help TP	\$17.15	\$85.75
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	23	RQ17014125	1	ea	ISBN: 9786073137218, James y El Melocoton Gigante TP	\$7.46	\$7.46
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	24	RQ17014125	1	ea	ISBN: 9786073137096, Jirafa, El Pelicano y El Mono TP	\$7.46	\$7.46
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	25	RQ17014125	5	ea	ISBN: 9780684848280, Kaffir Boy TP	\$17.85	\$89.25
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	26	RQ17014125	5	ea	ISBN: 9780374500016, Night TP	\$12.92	\$64.60
537574	Mrs. Nelson's Toy & Book Shop Inc.	Bonita Vista Middle School	27	RQ17014125	1	.	PRICING PER QUOTE # 6140_2 WHICH INCLUDES FREE SHIPPING	\$0.00	\$0.00
537725	El Tapatio Restaurant Inc.	Sweetwater High School	1	RQ17014525	40	ea	Flavor of Mexico/Lunch: Chicken & Cheese enchiladas w/rice & beans, chips & salsa, side salad, assorted soda, dessert: cookie Delivery fee	\$10.50	\$420.00
537725	El Tapatio Restaurant Inc.	Sweetwater High School	2	RQ17014525	1	ea		\$25.00	\$25.00
537728	El Tapatio Restaurant Inc.	Eastlake High School	1	RQ17014568	180	ea	Spring field salad, Monterey Chicken, Santa Maria Tri-Tip, Garlic mashed potatoes, Medley of vegetables, Iced tea and lemonade Buffet set up	\$12.75	\$2,295.00
537728	El Tapatio Restaurant Inc.	Eastlake High School	2	RQ17014568	1	ea		\$65.00	\$65.00
537760	Scholastic Inc.	Eastlake High School	1	RQ17014649	22	UNIT	NEW YORK TIMES UPFRONT MAGAZINE - STUDENT SUBSCRIPTION	\$9.99	\$219.78

Purchase Order Listing Detail

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537801	El Tapatio Restaurant Inc.	Castle Park High School	1	RQ17014600	80	Each	Picnic: Summer Menu: Fiesta Mexicana. Main Entree: Carne asada and pollo asado (grilled onsite), 8oz in combination of meats. Rice and beans, accompanied with guacamole, onions, cilantro, 4 salsas, radishes, green onions, chiles torados, mulitas and chips. Tortillas made onsite. Fully disposable ware: plates, utensils and napkins. Minimum service 50 guest. Set up fee	\$10.25	\$820.00
537801	El Tapatio Restaurant Inc.	Castle Park High School	2	RQ17014600	1	ea		\$65.00	\$65.00
537810	VWR Funding, Inc.	Curriculum	1	RQ17014614	25	EA	GOGGLE SANTIZING CABINET	\$320.75	\$8,018.75
537810	VWR Funding, Inc.	Curriculum	2	RQ17014614	30	EA	FIRE BLANKET WITH CASE	\$88.13	\$2,643.90
537877	EBSCO Industries, Inc.	Chula Vista High School	1	RQ17014909	1	EA	234883858 CONSUMER REPORTS PRINT EDITION (IRREGULAR 13 ISSUES)	\$30.00	\$30.00
537877	EBSCO Industries, Inc.	Chula Vista High School	2	RQ17014909	1	EA	393903711 HISPANIC NETWORK MAGAZINE (QUARTERLY 4 ISSUES)	\$31.00	\$31.00
537877	EBSCO Industries, Inc.	Chula Vista High School	3	RQ17014909	1	EA	597444009 MOTOCROSS ACTION MAGAZINE (MONTHLY 12 ISSUES)	\$19.99	\$19.99
537877	EBSCO Industries, Inc.	Chula Vista High School	4	RQ17014909	1	EA	612117002 NATIONAL GEOGRAPHIC US (MONTHLY 12 ISSUES)	\$39.00	\$39.00
537877	EBSCO Industries, Inc.	Chula Vista High School	5	RQ17014909	1	EA	785596040 ROAD AND TRACK (ODD REGULAR 10 ISSUES)	\$12.00	\$12.00
537877	EBSCO Industries, Inc.	Chula Vista High School	6	RQ17014909	1	EA	815184026 SEVENTEEN (ODD REGULAR 5 ISSUES)	\$10.00	\$10.00
537877	EBSCO Industries, Inc.	Chula Vista High School	7	RQ17014909	1	EA	818797037 SIEMPRE MUJER (BI MONTHLY 6 ISSUES)	\$18.00	\$18.00
537877	EBSCO Industries, Inc.	Chula Vista High School	8	RQ17014909	1	EA	892080979 TIME US (WEEKLY 52 ISSUES)	\$76.13	\$76.13
537878	Fisher Scientific, LLC	Castle Park High School	1	RQ17014802	1	EA	Fisherbrand Standard Mini Centrifuge	\$219.50	\$219.50
537878	Fisher Scientific, LLC	Castle Park High School	2	RQ17014802	1	EA	Fisherbrand 200 Series Safety Glasses, Pkg of 12	\$32.40	\$32.40
537882	Fisher Scientific, LLC	Castle Park High School	1	RQ17014877	2	EA	ELISA HIV/AIDS Test Simulation	\$154.10	\$308.20
537882	Fisher Scientific, LLC	Castle Park High School	2	RQ17014877	2	Pack	Instacheck pH paper 10 rolls/pack	\$114.90	\$229.80
537882	Fisher Scientific, LLC	Castle Park High School	3	RQ17014877	2	CASE	Disposable Transfer Pipettes	\$334.59	\$669.18
537882	Fisher Scientific, LLC	Castle Park High School	4	RQ17014877	2	EA	Neo Sci Demonstrating Biotechnology Using Biolumenesce	\$57.62	\$115.24
537882	Fisher Scientific, LLC	Castle Park High School	5	RQ17014877	1	CASE	Weigh boats	\$86.67	\$86.67
537882	Fisher Scientific, LLC	Castle Park High School	6	RQ17014877	1	CASE	Disposable culture tubes 12mm x 75mm 1000/case	\$87.34	\$87.34

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<u>PO NUM</u>	<u>VENDOR</u>	<u>SITE</u>	<u>LINE</u>	<u>REQ NUM</u>	<u>QTY</u>	<u>ISS</u>	<u>DESCRIPTION</u>	<u>UNITCOST</u>	<u>TOTALCOST</u>
537882	Fisher Scientific, LLC	Castle Park High School	7	RQ17014877	2	EA	Calcium chloride, 0.05M, 0.1N, Ricca Chemical 500mL	\$77.67	\$155.34
537882	Fisher Scientific, LLC	Castle Park High School	8	RQ17014877	1	EA	Hazardous Material Charge	\$10.00	\$10.00
537915	Fisher Scientific, LLC	Castle Park High School	1	RQ17014947	9	ea.	GC Fuller Shurlite Safety Gas Lighters	\$6.85	\$61.65
537915	Fisher Scientific, LLC	Castle Park High School	2	RQ17014947	1	pk.	GC Fuller Shurlite Safety Gas Lighter Flints, Pkg of 5	\$6.12	\$6.12
537915	Fisher Scientific, LLC	Castle Park High School	3	RQ17014947	1	ea.	POTASSIUM CHLORIDE 500g RG	\$7.15	\$7.15
537915	Fisher Scientific, LLC	Castle Park High School	4	RQ17014947	2	ea.	Fisherbrand Reusable Glass Low-Form Griffin Beakers, 600mL, Pkg of 6	\$38.38	\$76.76
537915	Fisher Scientific, LLC	Castle Park High School	5	RQ17014947	2	ea.	Floating Test Tube Racks, Circle, Pkg. of 10	\$28.35	\$56.70
537915	Fisher Scientific, LLC	Castle Park High School	6	RQ17014947	1	ea.	Fisherbrand Powder-Free Exam Vinyl Gloves, Case of 10	\$144.92	\$144.92
537915	Fisher Scientific, LLC	Castle Park High School	7	RQ17014947	3	ea.	Fisherbrand Castaloy Thermometer Clamps	\$29.97	\$89.91
537915	Fisher Scientific, LLC	Castle Park High School	8	RQ17014947	2	ea.	Fisherbrand Standard Mini-Centrifuge	\$219.50	\$439.00
537925	Ramirez, Juan Manuel	Rancho Del Rey Middle School		RQ17014243	13	ea	100% cotton T-shirt, Charcoal Gray, Screen printed design (2 colors) front and left chest, small	\$11.00	\$143.00
537925	Ramirez, Juan Manuel	Rancho Del Rey Middle School		RQ17014243	2	ea	100% cotton T-shirt, Charcoal Gray, Screen printed design (2 colors) front and left chest, medium	\$11.00	\$22.00
537925	Ramirez, Juan Manuel	Rancho Del Rey Middle School		RQ17014243	1	ea	100% cotton T-shirt, Charcoal Gray, Screen printed design (2 colors) front and left chest, large	\$11.00	\$11.00
537933	El Tapatio Restaurant Inc.	Special Services	1	RQ17015064	85	ea	Picnic: Summer Menu: Fiesta Mexicana. Carne Asada and Pollo Asada. Combo with beans & Rice all sides, Set Up Free	\$8.00	\$680.00
537933	El Tapatio Restaurant Inc.	Special Services	2	RQ17015064	1	ea		\$65.00	\$65.00
537934	Amanda Danielle Medlin	Visual/Performing Arts	1	RQ17015031	1	lot	Sack lunch including sandwich, bag of chips, cookie for 185 students and staff returning from Summer Arts Academy at Cuyamaca on Saturday, June 24, 2017.. Lunch will be provided prior to an afternoon concert. To be delivered to Chula Vista High School Performing Arts Center, 11:00. Price includes delivery and set-up.	\$925.00	\$925.00
537936	Delta Education LLC	Hilltop High School	1	RQ17015049	8	EA	CPO EQUIPMENT ELECTRO MAGNET PACK	\$42.95	\$343.60
537936	Delta Education LLC	Hilltop High School	2	RQ17015049	2	EA	TIMER IIE W/PHOTOGATES	\$364.95	\$729.90
537936	Delta Education LLC	Hilltop High School	6	RQ17015049	1	EA	SOUND AND WAVES EQUIPMENT	\$399.95	\$399.95

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537936	Delta Education LLC	Hilltop High School	7	RQ17015049	1	EA	PULLEYS FOR ULTIMATE PULLEYS S/4	\$36.95	\$36.95
537936	Delta Education LLC	Hilltop High School	8	RQ17015049	2	EA	CPO ACC 24 CT EXTRA MAGNET KIT	\$21.95	\$43.90
537936	Delta Education LLC	Hilltop High School	9	RQ17015049	4	EA	AC ADAPTER TIMER CPO	\$13.95	\$55.80
537936	Delta Education LLC	Hilltop High School	10	RQ17015049	2	EA	PRISM RIGHT ANGLE FOR LIGHT AND OPTICS	\$9.06	\$18.12
537937	Carolina Biological Supply Co	Hilltop High School	1	RQ17015023	1	EA	Adapter, F/NEW OHAUS CS SCALES	\$39.60	\$39.60
537937	Carolina Biological Supply Co	Hilltop High School	2	RQ17015023	1	EA	TUBING, AIRLINE, 25 FT	\$5.85	\$5.85
537937	Carolina Biological Supply Co	Hilltop High School	3	RQ17015023	4	EA	STONE AIR RELEASER, 2PK	\$1.39	\$5.56
537937	Carolina Biological Supply Co	Hilltop High School	4	RQ17015023	1	EA	AMMO-LOCK	\$6.07	\$6.07
537937	Carolina Biological Supply Co	Hilltop High School	5	RQ17015023	1	EA	ANTIBIOTIC DISK MINI SET	\$47.65	\$47.65
537937	Carolina Biological Supply Co	Hilltop High School	6	RQ17015023	1	EA	MAXI-JET 600	\$39.37	\$39.37
537937	Carolina Biological Supply Co	Hilltop High School	7	RQ17015023	1	EA	AQUARIUM, BIO-WHEEL(R) 10 GAL	\$86.85	\$86.85
537937	Carolina Biological Supply Co	Hilltop High School	8	RQ17015023	1	EA	L610-BRINE SHRIMP EGGS-VIAL	\$8.77	\$8.77
537937	Carolina Biological Supply Co	Hilltop High School	9	RQ17015023	1	EA	PLANARIA - 8K	\$65.92	\$65.92
537937	Carolina Biological Supply Co	Hilltop High School	10	RQ17015023	1	EA	PS EARTHWORM TUBE OF 50	\$29.70	\$29.70
537937	Carolina Biological Supply Co	Hilltop High School	11	RQ17015023	3	EA	BALANCE, CAROLINA CLB201	\$97.20	\$291.60
537937	Carolina Biological Supply Co	Hilltop High School	12	RQ17015023	1	EA	CA TOUCH TANK ANIMALS SET	\$112.45	\$112.45
537937	Carolina Biological Supply Co	Hilltop High School	13	RQ17015023	1	EA	OIL SPILL BIOREMD ECOKIT	\$67.45	\$67.45
537937	Carolina Biological Supply Co	Hilltop High School	14	RQ17015023	1	EA	CERATIUUM, WM	\$4.86	\$4.86
537937	Carolina Biological Supply Co	Hilltop High School	15	RQ17015023	3	EA	PLAS COVERSLIP, BOX/100, 22X22	\$4.05	\$12.15
537937	Carolina Biological Supply Co	Hilltop High School	16	RQ17015023	1	EA	DAPHNIA CULTURE - 8PK	\$65.65	\$65.65
537937	Carolina Biological Supply Co	Hilltop High School	17	RQ17015023	1	EA	DINOFLAGELLATES, WM	\$4.14	\$4.14
537937	Carolina Biological Supply Co	Hilltop High School	18	RQ17015023	2	EA	ELODEA PK/50	\$20.65	\$41.30

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537937	Carolina Biological Supply Co	Hilltop High School	19	RQ17015023	1	EA	FUSION AIR PUMP 200	\$7.87	\$7.87
537937	Carolina Biological Supply Co	Hilltop High School	20	RQ17015023	1	EA	FUSION AIR PUMP 500	\$15.97	\$15.97
537937	Carolina Biological Supply Co	Hilltop High School	21	RQ17015023	1	EA	GRAVEL CLEANER	\$11.25	\$11.25
537937	Carolina Biological Supply Co	Hilltop High School	22	RQ17015023	2	EA	GREEN RIBBON NUDIBRANCH	\$8.95	\$17.90
537937	Carolina Biological Supply Co	Hilltop High School	23	RQ17015023	1	EA	HOUSEHOLD WATER QUALITY TEST	\$16.87	\$16.87
537937	Carolina Biological Supply Co	Hilltop High School	24	RQ17015023	1	EA	INSTANTOCEAN HYDROMETER	\$17.32	\$17.32
537937	Carolina Biological Supply Co	Hilltop High School	25	RQ17015023	1	EA	INSTANT OCEAN SEA SALT, EA	\$79.15	\$79.15
537937	Carolina Biological Supply Co	Hilltop High School	26	RQ17015023	1	EA	LED ADJUSTABLE LIGHT STRIP	\$65.02	\$65.02
537937	Carolina Biological Supply Co	Hilltop High School	27	RQ17015023	1	EA	DIATOMS, MARINE, WM	\$4.14	\$4.14
537937	Carolina Biological Supply Co	Hilltop High School	28	RQ17015023	1	EA	MICROPUMP 104	\$19.35	\$19.35
537937	Carolina Biological Supply Co	Hilltop High School	29	RQ17015023	1	EA	MAP, RAISED RELIEF, OCEAN FLOOR	\$59.85	\$59.85
537937	Carolina Biological Supply Co	Hilltop High School	30	RQ17015023	2	EA	PARAFILM(R)	\$23.35	\$46.70
537937	Carolina Biological Supply Co	Hilltop High School	31	RQ17015023	2	EA	DISH, PETRI, 100X10MM, PK/30	\$11.43	\$22.86
537937	Carolina Biological Supply Co	Hilltop High School	32	RQ17015023	1	EA	DISH,PETRI, 60X15MM, CS/500	\$112.36	\$112.36
537937	Carolina Biological Supply Co	Hilltop High School	33	RQ17015023	1	EA	SKILTER 250 POWER FILTER/PROT	\$91.57	\$91.57
537937	Carolina Biological Supply Co	Hilltop High School	34	RQ17015023	2	EA	TUBE, TEST, 25X150MM, VISTA, PK50	\$49.09	\$98.18
537937	Carolina Biological Supply Co	Hilltop High School	35	RQ17015023	1	EA	TEST KIT, RAPITEST SOIL	\$21.64	\$21.64
537937	Carolina Biological Supply Co	Hilltop High School	36	RQ17015023	1	EA	SEA URCHIN EMBRYOLOGY LIVE SET	\$121.45	\$121.45
537937	Carolina Biological Supply Co	Hilltop High School	37	RQ17015023	1	EA	STRESS COAT	\$6.07	\$6.07
537937	Carolina Biological Supply Co	Hilltop High School	38	RQ17015023	1	EA	STRESS ZYME	\$6.52	\$6.52
537937	Carolina Biological Supply Co	Hilltop High School	39	RQ17015023	1	EA	LCD THERMOMETER	\$4.95	\$4.95

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537937	Carolina Biological Supply Co	Hilltop High School	40	RQ17015023	1	EA	WHITE SAND & GRAVEL SET	\$19.35	\$19.35
537937	Carolina Biological Supply Co	Hilltop High School	41	RQ17015023	1	LOT	PROMO DISCOUNT CODE YW	-\$180.13	-\$180.13
537938	Flinn Scientific, Inc.	Hilltop High School	1	RQ17015036	1	EA	SIMULATED ABO-RH BLOOD TYPING	\$19.59	\$19.59
537938	Flinn Scientific, Inc.	Hilltop High School	2	RQ17015036	2	EA	AQUARIUM TEST STRIPS, PK/25	\$17.64	\$35.28
537938	Flinn Scientific, Inc.	Hilltop High School	3	RQ17015036	3	EA	BROMTHYMOL BLUE, 5 G. LAB	\$9.31	\$27.92
537938	Flinn Scientific, Inc.	Hilltop High School	4	RQ17015036	8	EA	FORCEPS, CURVED, 4 1/2' L.	\$2.89	\$23.12
537938	Flinn Scientific, Inc.	Hilltop High School	5	RQ17015036	1	EA	ABO SIMULATED BLOOD TYPING	\$32.73	\$32.73
537938	Flinn Scientific, Inc.	Hilltop High School	6	RQ17015036	2	EA	GLOVES, POLYETHYLENE	\$29.28	\$58.57
537938	Flinn Scientific, Inc.	Hilltop High School	7	RQ17015036	16	EA	KIT, DISSECTING, ECONOMY	\$9.26	\$148.10
537938	Flinn Scientific, Inc.	Hilltop High School	8	RQ17015036	3	EA	LENS PAPER, 4' X 6'	\$1.32	\$3.95
537938	Flinn Scientific, Inc.	Hilltop High School	9	RQ17015036	4	EA	TIRRILL BURNER, NATURAL GAS	\$26.01	\$104.04
537938	Flinn Scientific, Inc.	Hilltop High School	10	RQ17015036	5	EA	BALANCE, 210 X 0.01G	\$240.58	\$1,202.92
537938	Flinn Scientific, Inc.	Hilltop High School	11	RQ17015036	8	EA	BOTTLE, WASH, SAFETY LABELED	\$5.50	\$44.00
537938	Flinn Scientific, Inc.	Hilltop High School	12	RQ17015036	5	EA	THERMOMETER, -20 TO 110C	\$4.80	\$24.01
537938	Flinn Scientific, Inc.	Hilltop High School	13	RQ17015036	2	EA	HEADBANDS, REPLACEMENT FOR	\$12.67	\$25.33
537938	Flinn Scientific, Inc.	Hilltop High School	14	RQ17015036	16	EA	REPLACEMENT VENT COVER	\$0.37	\$5.98
537938	Flinn Scientific, Inc.	Hilltop High School	15	RQ17015036	1	EA	ACID/BASE STRENGTHS CHART	\$27.84	\$27.84
537938	Flinn Scientific, Inc.	Hilltop High School	16	RQ17015036	1	EA	ATOMIC SIZES AND RAD II CHART	\$27.84	\$27.84
537938	Flinn Scientific, Inc.	Hilltop High School	17	RQ17015036	1	EA	ION NAMES, FORMULAS, & CHARGES	\$27.84	\$27.84
537938	Flinn Scientific, Inc.	Hilltop High School	18	RQ17015036	1	EA	PERIODIC TRENDS CHART 32'X48'	\$27.84	\$27.84
537938	Flinn Scientific, Inc.	Hilltop High School	19	RQ17015036	2	EA	LIGHT BULB FOR CONDUCTIVITY	\$7.14	\$14.28
537938	Flinn Scientific, Inc.	Hilltop High School	20	RQ17015036	1	EA	CONDUCTIVITY TESTER	\$39.23	\$39.23
537938	Flinn Scientific, Inc.	Hilltop High School	21	RQ17015036	6	EA	BURNER TUBING CONNECTOR 3'	\$18.41	\$110.47
537938	Flinn Scientific, Inc.	Hilltop High School	22	RQ17015036	5	EA	CYLINDERS, STUDENT GRADE 100ML	\$7.61	\$38.04
537938	Flinn Scientific, Inc.	Hilltop High School	23	RQ17015036	3	EA	DISHES WEIGHING, 1.5G, 500/PKG	\$30.52	\$91.55
537938	Flinn Scientific, Inc.	Hilltop High School	24	RQ17015036	15	EA	INORGANIC-ORGANIC TEACHER	\$46.07	\$691.05

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537943	Bio-Rad Laboratories	Central Receiving	1	RQ17014965	1	EA	T100 THERMAL CYCLER. Holds 96 0.2 ml PCR tubs, sufficient capacity for a minimum of 8 students workstations including positive and negative PCR control samples for each group. 5.7 inch VGA color touch screen display; Speed of ramping: up to 4°C/sec; Temperature Range: 4-100°C; Stores 500 programs on board; 1 USB Port Azo Yellow medium-gallon	\$2,495.00	\$2,495.00
537958	Artex Manufacturing Company	Chula Vista High School	1	RQ17015141	2	ea		\$57.00	\$114.00
537958	Artex Manufacturing Company	Chula Vista High School	2	RQ17015141	1	ea	Naphthol Crimson-gallon	\$53.00	\$53.00
537958	Artex Manufacturing Company	Chula Vista High School	3	RQ17015141	1	ea	Hot Pink- quart	\$14.00	\$14.00
537958	Artex Manufacturing Company	Chula Vista High School	4	RQ17015141	1	ea	Portrait Tone - gallon	\$45.00	\$45.00
537958	Artex Manufacturing Company	Chula Vista High School	5	RQ17015141	1	ea	Quinacridone Violet - gallon	\$91.00	\$91.00
537958	Artex Manufacturing Company	Chula Vista High School	6	RQ17015141	1	ea	Cobalt Blue - 5 gallon pail	\$767.00	\$767.00
537958	Artex Manufacturing Company	Chula Vista High School	7	RQ17015141	1	ea	Permanent Green light- gallon	\$72.00	\$72.00
537958	Artex Manufacturing Company	Chula Vista High School	8	RQ17015141	1	ea	Phthalo Green - gallon	\$51.00	\$51.00
537958	Artex Manufacturing Company	Chula Vista High School	9	RQ17015141	2	ea	Titanium White - 5 gallon pail	\$209.00	\$418.00
537958	Artex Manufacturing Company	Chula Vista High School	10	RQ17015141	3	ea	Iron Oxide/Mars Black -gallon	\$44.00	\$132.00
537958	Artex Manufacturing Company	Chula Vista High School	11	RQ17015141	1	ea	Burnt Umber - quart	\$14.50	\$14.50
537958	Artex Manufacturing Company	Chula Vista High School	12	RQ17015141	2	ea	Gesso (White primer) 5 gallon pail	\$144.00	\$288.00
537958	Artex Manufacturing Company	Chula Vista High School	13	RQ17015141	4	ea	Exterior Varnish - gallon	\$31.00	\$124.00
537958	Artex Manufacturing Company	Chula Vista High School	14	RQ17015141	1	ea	Cadmium Orage - quart	\$33.50	\$33.50
537958	Artex Manufacturing Company	Chula Vista High School	15	RQ17015141	1	ea	Quinacridone Purple - quart	\$21.00	\$21.00
537958	Artex Manufacturing Company	Chula Vista High School	16	RQ17015141	1	ea	Antique Silver - gallon	\$42.00	\$42.00
537958	Artex Manufacturing Company	Chula Vista High School	17	RQ17015141	1	ea	Royal Gold (Pearl) quart	\$18.00	\$18.00

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537989	El Tapatio Restaurant Inc.	College & Career Readiness	1	RQ17015147	65	ea	Breakfast burrito, orange juice or water	\$5.00	\$325.00
537989	El Tapatio Restaurant Inc.	College & Career Readiness	2	RQ17015147	65	ea	Box Lunch: classic sandwich: turkey, ham & roast beef, chips, cookie and water	\$7.25	\$471.25
537989	El Tapatio Restaurant Inc.	College & Career Readiness	3	RQ17015147	2	ea	Delivery fee	\$25.00	\$50.00
537993	Barclay Wood Toys and Blocks, Inc.	CTE (formerly ROP)	1	RQ1701513320,000	ea		3/4' cubes	\$0.04	\$700.00
537996	Royal Lines Charters, LLC	Castle Park Middle School	1	RQ17014957	1	lot	Charter Bus services for CPM students going to an Educational Excursion to the Suzie's Farm, San Diego, CA. Event Date: Wednesday, May 31, 2017.	\$1,455.00	\$1,455.00
538002	Dick Blick Company	Olympian High School	1	RQ17015121	2	EA	BLICKRYLIC WHT TITNM 64OZ	\$11.23	\$22.46
538002	Dick Blick Company	Olympian High School	2	RQ17015121	1	EA	BLICKRYLIC MARS BLK 64OZ	\$11.23	\$11.23
538002	Dick Blick Company	Olympian High School	3	RQ17015121	4	EA	TRURITE SULPHT DRAW IN 18X24 90LB 500RM WHT	\$58.60	\$234.40
538002	Dick Blick Company	Olympian High School	4	RQ17015121	6	EA	CRAYOLA CLR PENCIL CLSPK BX/462	\$58.66	\$351.96
538002	Dick Blick Company	Olympian High School	5	RQ17015121	80	EA	SHATTERPROOF RULER 12IN	\$0.89	\$71.20
538002	Dick Blick Company	Olympian High School	6	RQ17015121	4	EA	BLICKRYLIC PHTHLO BLU 64OZ	\$11.23	\$44.92
538002	Dick Blick Company	Olympian High School	7	RQ17015121	4	EA	BLICKRYLIC CHRME YLW 64OZ	\$11.23	\$44.92
538002	Dick Blick Company	Olympian High School	8	RQ17015121	4	EA	BLICKRYLIC BRT RED 64OZ	\$11.23	\$44.92
538007	VWR Funding, Inc.	Southwest High School	1	RQ17014809	1	EA	Ethyl Alcohol 95% 3.8 L Bottle	\$28.49	\$28.49
538007	VWR Funding, Inc.	Southwest High School	2	RQ17014809	1	EA	Chromosome Simulation Lab Activity-Class	\$138.99	\$138.99
538007	VWR Funding, Inc.	Southwest High School	3	RQ17014809	1	EA	Color Vision Perception Kit	\$21.38	\$21.38
538007	VWR Funding, Inc.	Southwest High School	4	RQ17014809	1	ea	Hazardous Charges	\$27.50	\$27.50
538009	Carolina Biological Supply Co	Castle Park High School	1	RQ17014889	45	EA	Carolina's Perfect Solution Pig 11' to 14' Double injection, 1 per bag	\$26.32	\$1,184.40
538009	Carolina Biological Supply Co	Castle Park High School	2	RQ17014889	45	EA	Sheep organ dissection kit	\$31.45	\$1,415.25
538009	Carolina Biological Supply Co	Castle Park High School	3	RQ17014889	20	BX	Nitrile Dispoable Gloves, Medium Box of 100	\$14.67	\$293.40
538009	Carolina Biological Supply Co	Castle Park High School	4	RQ17014889	1	EA	Freight & Handling	\$218.95	\$218.95
538010	Perma-Bound Books	Mar Vista Academy	1	RQ17014784	3	ea	ALL RISE FOR THE HONORABLE PERRY T. COOK	\$19.36	\$58.08
538010	Perma-Bound Books	Mar Vista Academy	2	RQ17014784	1	ea	BARBED WIRE BASEBALL	\$15.16	\$15.16
538010	Perma-Bound Books	Mar Vista Academy	3	RQ17014784	1	EA	BOOK WITH NO PICTURES	\$20.38	\$20.38

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538010	Perma-Bound Books	Mar Vista Academy	4	RQ17014784	1	EA	DASH	\$13.38	\$13.38
538010	Perma-Bound Books	Mar Vista Academy	5	RQ17014784	1	EA	GASTON	\$20.38	\$20.38
538010	Perma-Bound Books	Mar Vista Academy	6	RQ17014784	3	EA	HIRED GIRL	\$20.13	\$60.39
538010	Perma-Bound Books	Mar Vista Academy	7	RQ17014784	1	EA	IF YOU PLANT A SEED	\$21.16	\$21.16
538010	Perma-Bound Books	Mar Vista Academy	8	RQ17014784	1	EA	MS. RAPSCOTT'S GIRLS	\$19.36	\$19.36
538010	Perma-Bound Books	Mar Vista Academy	9	RQ17014784	1	EA	NIGHT ANIMALS	\$19.60	\$19.60
538010	Perma-Bound Books	Mar Vista Academy	10	RQ17014784	3	EA	NIGHT DIVIDED	\$19.36	\$58.08
538010	Perma-Bound Books	Mar Vista Academy	11	RQ17014784	1	EA	NOISY PLAINT BOX: THE COLORS AND SOUNDS OF KANDISKY'S ABSTRACT ART	\$20.38	\$20.38
538010	Perma-Bound Books	Mar Vista Academy	12	RQ17014784	3	EA	ORBITING JUPITER	\$20.13	\$60.39
538010	Perma-Bound Books	Mar Vista Academy	13	RQ17014784	1	EA	PAX	\$19.36	\$19.36
538010	Perma-Bound Books	Mar Vista Academy	14	RQ17014784	1	EA	RIGHT WORD: ROGET AND HIS TRESAURUS	\$20.00	\$20.00
538010	Perma-Bound Books	Mar Vista Academy	15	RQ17014784	3	EA	SALT TO SEA	\$20.91	\$62.73
538010	Perma-Bound Books	Mar Vista Academy	16	RQ17014784	1	EA	SNATCHABOOK	\$19.60	\$19.60
538010	Perma-Bound Books	Mar Vista Academy	17	RQ17014784	3	EA	TELSA'S ATTIC	\$13.38	\$40.14
538010	Perma-Bound Books	Mar Vista Academy	18	RQ17014784	1	ea	Processing Fee	\$20.59	\$20.59
538042	Mission Janitorial Supplies	Olympian High School	1	RQ17015831	1	ea	Earthhardwoundroll towels white 800/6pk	\$31.00	\$31.00
538066	TPRS Publishing, Inc.	Mar Vista High School	1	RQ17014846	50	EA	Brandon Brown quiere un perro - Novel	\$5.00	\$250.00
538066	TPRS Publishing, Inc.	Mar Vista High School	2	RQ17014846	50	EA	El nuevo Houdini - Novel	\$5.00	\$250.00
538107	Maquillage Makeup Academy	Sweetwater High School	1	RQ17015158	2	Each	MONDA studios cosmetic trolley case MS-350	\$250.00	\$500.00
538107	Maquillage Makeup Academy	Sweetwater High School	2	RQ17015158	3	Each	MORPHE DD-DEYSI danger highlighter palette 45g/1.58 oz	\$25.00	\$75.00
538107	Maquillage Makeup Academy	Sweetwater High School	3	RQ17015158	2	Each	MORPHE 350 Matte & 350 shimmer natural glow bundle	\$43.99	\$87.98
538107	Maquillage Makeup Academy	Sweetwater High School	4	RQ17015158	2	Each	MORPHE 06PC - cool pro definition palette	\$14.99	\$29.98
538107	Maquillage Makeup Academy	Sweetwater High School	5	RQ17015158	2	Each	MORPHE 06PW warm pro definition palette	\$14.99	\$29.98
538107	Maquillage Makeup Academy	Sweetwater High School	6	RQ17015158	2	Each	MORPHE 35B - color glam palette	\$19.99	\$39.98
538107	Maquillage Makeup Academy	Sweetwater High School	7	RQ17015158	2	Each	MORPHE corrector wheel	\$6.99	\$13.98

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538107	Maquillage Makeup Academy	Sweetwater High School	8	RQ17015158	5	Each	MORPHE A1 - jumbo professional apron	\$19.99	\$99.95
538107	Maquillage Makeup Academy	Sweetwater High School	9	RQ17015158	3	Each	MORPHE DS100 disposable mascara wands	\$10.00	\$30.00
538107	Maquillage Makeup Academy	Sweetwater High School	10	RQ17015158	2	Each	MORPHE 80 piece tidy tips	\$4.99	\$9.98
538107	Maquillage Makeup Academy	Sweetwater High School	11	RQ17015158	2	Each	MORPHE mixing palette & spatula	\$12.99	\$25.98
538107	Maquillage Makeup Academy	Sweetwater High School	12	RQ17015158	2	Each	MORPHE vera mona color switch duo	\$19.99	\$39.98
538107	Maquillage Makeup Academy	Sweetwater High School	13	RQ17015158	2	Each	KRYOLAN supracolor palette 24 colors	\$72.00	\$144.00
538107	Maquillage Makeup Academy	Sweetwater High School	14	RQ17015158	3	Each	ANASTASIA dipbrow pomade dark brown	\$18.00	\$54.00
538107	Maquillage Makeup Academy	Sweetwater High School	15	RQ17015158	2	Each	ANASTASIA dipbrow pomade ash brown	\$18.00	\$36.00
538107	Maquillage Makeup Academy	Sweetwater High School	16	RQ17015158	2	Each	ANASTASIA dipbrow pomade-ebony	\$18.00	\$36.00
538107	Maquillage Makeup Academy	Sweetwater High School	17	RQ17015158	2	Each	ANASTASIA mini lip gloss set summer	\$28.00	\$56.00
538107	Maquillage Makeup Academy	Sweetwater High School	18	RQ17015158	2	Each	ANASTASIA mini lip gloss set fall	\$28.00	\$56.00
538107	Maquillage Makeup Academy	Sweetwater High School	19	RQ17015158	1	Each	ANASTASIA liquid lipstick: american doll-classic retro red	\$20.00	\$20.00
538107	Maquillage Makeup Academy	Sweetwater High School	20	RQ17015158	1	Each	ANASTASIA liquid lipstick: dusty rose-nude mauve	\$20.00	\$20.00
538107	Maquillage Makeup Academy	Sweetwater High School	21	RQ17015158	1	Each	ANASTASIA liquid lipstick: vamp-deep burgandy	\$20.00	\$20.00
538107	Maquillage Makeup Academy	Sweetwater High School	22	RQ17015158	1	Each	ANASTASIA liquid lipstick: catnip-soft plum	\$20.00	\$20.00
538107	Maquillage Makeup Academy	Sweetwater High School	23	RQ17015158	2	Each	ANASTASIA liquid lipstick: ashton-midtone yellow brown	\$20.00	\$40.00
538107	Maquillage Makeup Academy	Sweetwater High School	24	RQ17015158	1	Each	ANASTASIA liquid lipstick: midnight-opaque black	\$20.00	\$20.00
538107	Maquillage Makeup Academy	Sweetwater High School	25	RQ17015158	1	Each	ANASTASIA liquid lipstick: carina-intense watermelon	\$20.00	\$20.00
538107	Maquillage Makeup Academy	Sweetwater High School	26	RQ17015158	1	Each	ANASTASIA liquid lipstick: veronica-taupe mauve	\$20.00	\$20.00
538107	Maquillage Makeup Academy	Sweetwater High School	27	RQ17015158	1	Each	ANASTASIA liquid lipstick: strawberry - ripened red	\$20.00	\$20.00
538107	Maquillage Makeup Academy	Sweetwater High School	28	RQ17015158	1	Each	ANASTASIA liquid lipstick: persimmon -reddish coral	\$20.00	\$20.00

Purchase Order Listing Detail

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538107	Maquillage Makeup Academy	Sweetwater High School	29	RQ17015158	1	Each	ANASTASIA liquid lipstick: lovely-nude	\$20.00	\$20.00
538107	Maquillage Makeup Academy	Sweetwater High School	30	RQ17015158	1	Each	ANASTASIA liquid lipstick: vintage-deep orchid	\$20.00	\$20.00
538107	Maquillage Makeup Academy	Sweetwater High School	31	RQ17015158	1	Each	ANASTASIA liquid lipstick: potion-deep aubergine	\$20.00	\$20.00
538107	Maquillage Makeup Academy	Sweetwater High School	32	RQ17015158	2	Each	GOLD MAGIC clear bands (250 ct)	\$1.35	\$2.70
538107	Maquillage Makeup Academy	Sweetwater High School	33	RQ17015158	2	Each	AMIKA straightener	\$72.00	\$144.00
538107	Maquillage Makeup Academy	Sweetwater High School	34	RQ17015158	3	Each	AMIKA touchable hairspray	\$20.25	\$60.75
538107	Maquillage Makeup Academy	Sweetwater High School	35	RQ17015158	10	Each	STARI 1351 bobby pins black 60	\$1.97	\$19.70
538107	Maquillage Makeup Academy	Sweetwater High School	36	RQ17015158	3	Each	STARI 1351 bobby pins blonde 60	\$1.97	\$5.91
538107	Maquillage Makeup Academy	Sweetwater High School	37	RQ17015158	1	Each	MAKEUP FOREVER ultra HD foundation R530	\$43.00	\$43.00
538107	Maquillage Makeup Academy	Sweetwater High School	38	RQ17015158	1	Each	MAKEUP FOREVER ultra HD foundation R540	\$43.00	\$43.00
538107	Maquillage Makeup Academy	Sweetwater High School	39	RQ17015158	1	Each	MAKEUP FOREVER ultra HD foundation R435	\$43.00	\$43.00
538107	Maquillage Makeup Academy	Sweetwater High School	40	RQ17015158	1	Each	MAKEUP FOREVER ultra HD foundation R370	\$43.00	\$43.00
538107	Maquillage Makeup Academy	Sweetwater High School	41	RQ17015158	1	Each	MAKEUP FOREVER ultra HD foundation R410	\$43.00	\$43.00
538107	Maquillage Makeup Academy	Sweetwater High School	42	RQ17015158	2	Each	MAKEUP FOREVER 11 foundation palette	\$113.00	\$226.00
538107	Maquillage Makeup Academy	Sweetwater High School	43	RQ17015158	2	Each	MAKEUP FOREVER ultra HD invisible cover concealer R20	\$27.00	\$54.00
538107	Maquillage Makeup Academy	Sweetwater High School	44	RQ17015158	2	Each	MAKEUP FOREVER ultra HD invisible cover concealer Y33	\$27.00	\$54.00
538107	Maquillage Makeup Academy	Sweetwater High School	45	RQ17015158	1	Each	MAKEUP FOREVER ultra HD invisible cover concealer Y41	\$27.00	\$27.00
538107	Maquillage Makeup Academy	Sweetwater High School	46	RQ17015158	5	Each	RCMA translucent powder 3 oz.	\$12.00	\$60.00
538107	Maquillage Makeup Academy	Sweetwater High School	47	RQ17015158	2	Each	RCMA series favorite palette KO	\$30.00	\$60.00
538107	Maquillage Makeup Academy	Sweetwater High School	48	RQ17015158	2	Each	RCMA series favorite palette Shinto	\$30.00	\$60.00
538107	Maquillage Makeup Academy	Sweetwater High School	49	RQ17015158	1	Each	RCMA series favorite palette KA	\$30.00	\$30.00

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538107	Maquillage Makeup Academy	Sweetwater High School	50	RQ17015158	5	Each	INGLOT AMC eyeliner gel # 77	\$14.00	\$70.00
538107	Maquillage Makeup Academy	Sweetwater High School	51	RQ17015158	2	Each	INGLOT AMC eyeliner gel # 90	\$14.00	\$28.00
538107	Maquillage Makeup Academy	Sweetwater High School	52	RQ17015158	1	Each	INGLOT AMC eyeliner gel # 67	\$14.00	\$14.00
538107	Maquillage Makeup Academy	Sweetwater High School	53	RQ17015158	1	Each	INGLOT pure pigment eye shadow # 63	\$16.00	\$16.00
538107	Maquillage Makeup Academy	Sweetwater High School	54	RQ17015158	1	Each	INGLOT pure pigment eye shadow - # 117	\$19.00	\$19.00
538107	Maquillage Makeup Academy	Sweetwater High School	55	RQ17015158	1	Each	INGLOT pure pigment eye shadow - # 120	\$19.00	\$19.00
538107	Maquillage Makeup Academy	Sweetwater High School	56	RQ17015158	1	Each	INGLOT pure pigment eye shadow - # 37	\$16.00	\$16.00
538107	Maquillage Makeup Academy	Sweetwater High School	57	RQ17015158	1	Each	INGLOT pure pigment eye shadow - # 119	\$19.00	\$19.00
538107	Maquillage Makeup Academy	Sweetwater High School	58	RQ17015158	1	Each	INGLOT pure pigment eye shadow - # 98	\$19.00	\$19.00
538107	Maquillage Makeup Academy	Sweetwater High School	59	RQ17015158	1	Each	INGLOT pure pigment eye shadow - # 115	\$19.00	\$19.00
538107	Maquillage Makeup Academy	Sweetwater High School	60	RQ17015158	1	Each	INGLOT pure pigment eye shadow - # 85	\$19.00	\$19.00
538107	Maquillage Makeup Academy	Sweetwater High School	61	RQ17015158	1	ea	Sales Tax	\$233.75	\$233.75
538111	Fisher Scientific, LLC	Castle Park High School	1	RQ17015432	1	each	Stand , Support; Fisher Scientific; Cast-iron; Nickel-plated steel rod; L-shaped base; With 3-mounting holes; includes one 24Lx0.5in.(610x13mm)diameter.	\$67.62	\$67.62
538111	Fisher Scientific, LLC	Castle Park High School	2	RQ17015432	9	each	Bars, Stirring, Magnetic; L x dia.; 1 x 0.312 in.	\$4.10	\$36.90
538147	Demco Inc.	Central Receiving	1	RQ17015375	1	pkg	bookmarks - pumkin	\$6.93	\$6.93
538147	Demco Inc.	Central Receiving	2	RQ17015375	1	pkg	bookmarks - dr. seuss	\$8.74	\$8.74
538147	Demco Inc.	Central Receiving	3	RQ17015375	1	pkg	bookmarks - dr. seuss	\$8.74	\$8.74
538147	Demco Inc.	Central Receiving	4	RQ17015375	1	pkg	bookmarks - strawberry	\$6.93	\$6.93
538147	Demco Inc.	Central Receiving	5	RQ17015375	1	pkg	bookmarks - popcorn	\$6.93	\$6.93
538147	Demco Inc.	Central Receiving	6	RQ17015375	1	pkg	bookmarks - national parks	\$8.31	\$8.31
538147	Demco Inc.	Central Receiving	7	RQ17015375	1	pkg	bookmarks - sports	\$8.31	\$8.31
538147	Demco Inc.	Central Receiving	8	RQ17015375	1	pkg	bookmarks - animals	\$8.31	\$8.31
538147	Demco Inc.	Central Receiving	9	RQ17015375	1	ea	audio public address system, non-returnable unless damaged or defective	\$385.95	\$385.95

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538147	Demco Inc.	Central Receiving	10	RQ17015375	4	ea	Paper Recycle Bins	\$11.48	\$45.92
538147	Demco Inc.	Central Receiving	11	RQ17015375	1	ea	Futura Easel, non-returnable unless damaged or defective	\$223.20	\$223.20
538148	Fisher Scientific, LLC	Palomar High School	1	RQ17015514	12	EA	MAPLE METERSTICK W/METAL ENDS	\$6.57	\$78.84
538148	Fisher Scientific, LLC	Palomar High School	2	RQ17015514	1	EA	29X41 BIO PERIOD TABLE UVCOATD	\$31.66	\$31.66
538148	Fisher Scientific, LLC	Palomar High School	3	RQ17015514	1	EA	MODERN GENETICS POSTER - LAM	\$13.90	\$13.90
538148	Fisher Scientific, LLC	Palomar High School	4	RQ17015514	1	EA	GENE TECHNOLOGY POSTER	\$13.90	\$13.90
538148	Fisher Scientific, LLC	Palomar High School	5	RQ17015514	1	EA	GENETICS POSTER	\$13.90	\$13.90
538148	Fisher Scientific, LLC	Palomar High School	6	RQ17015514	1	EA	HOW GENES WORK POSTER	\$13.90	\$13.90
538149	Delta Education LLC	Palomar High School	1	RQ17015505	10	EA	Set Ice Melting	\$17.49	\$174.90
538149	Delta Education LLC	Palomar High School	2	RQ17015505	1	EA	Snaky Spring EA	\$9.16	\$9.16
538149	Delta Education LLC	Palomar High School	3	RQ17015505	10	EA	Slinky Original Metal	\$3.28	\$32.80
538149	Delta Education LLC	Palomar High School	4	RQ17015505	1	EA	Twine Twisted Cotton 420ft	\$6.99	\$6.99
538184	Smart & Final Stores Corporation	Montgomery High School	1	RQ17015340	1	lot	Healthy snacks, healthy juices, water, coffee and disposabe servingware for Award Ceremony to be held on May 30, 2017 to be purchased by ANGELINA SCHRECK OR MARIA ESTRADA no later than 5/30/17.	\$250.00	\$250.00
538186	Smart & Final Stores Corporation	Southwest High School	1	RQ17015107	1	Lot	Healthy, nutritious snacks and drinks needed for ASP students for the month of June 2017	\$500.00	\$500.00
538189	Smart & Final Stores Corporation	Olympian High School	1	RQ17015303	1	lot	Purchase of healthy snacks, waters, coffee, coffee supplies and disposable serving ware for teacher appreciation event/faculty meeting on May 25th. Authorized purchasers: Ernesto Zamudio and/or Ana Luevano Cardoza. Valid thru May 30th.	\$250.00	\$250.00
538272	Moore Medical LLC	San Ysidro Adult School	1	RQ17015628	7	Each	Blood Draw Needle 22Gx1 #26505	\$9.18	\$64.26
538274	Demco Inc.	Chula Vista Middle School	1	RQ17015601	2	pkg	Single Laser Bar Code Labels 5/8'H x 2'W 1000Labels/Pkg	\$36.99	\$73.98
538276	TA Appliance Parts Company	Hilltop High School	1	RQ17015588	1	ea	ADE3SRGS (Manufacturer substitution for ADE30RG) Speed Queen Electric Dryer, White. 3 yr Warranty does not cover item when used commercially	\$749.00	\$749.00
538276	TA Appliance Parts Company	Hilltop High School	2	RQ17015588	1	ea	Free Curbside Delivery	\$0.00	\$0.00
538276	TA Appliance Parts Company	Hilltop High School	3	RQ17015588	1	ea	8.75% tax rate	\$65.54	\$65.54
538294	Accent Electronics, Inc	Southwest High School	2	RQ17015414	1	ea	1 Pair 18 GA, Sheilded	\$411.60	\$205.80

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538294	Accent Electronics, Inc	Southwest High School	3	RQ17015414	4	ea	Speaker, Atlas	\$259.00	\$1,036.00
538294	Accent Electronics, Inc	Southwest High School	4	RQ17015414	4	ea	Wall Mount	\$19.60	\$78.40
538294	Accent Electronics, Inc	Southwest High School	5	RQ17015414	1	ea	5.1 Channel AV Receiver	\$700.00	\$700.00
538294	Accent Electronics, Inc	Southwest High School	6	RQ17015414	1	ea	USB to Micro	\$14.00	\$14.00
538294	Accent Electronics, Inc	Southwest High School	7	RQ17015414	1	ea	USB to iPhone	\$21.00	\$21.00
538294	Accent Electronics, Inc	Southwest High School	8	RQ17015414	1	ea	Xantech Remote IR System (kit multiple items)	\$259.00	\$259.00
538294	Accent Electronics, Inc	Southwest High School	9	RQ17015414	1	ea	USB Pass through	\$14.00	\$14.00
538294	Accent Electronics, Inc	Southwest High School	10	RQ17015414	1	ea	USB Extension Cable 6-8	\$35.00	\$35.00
538294	Accent Electronics, Inc	Southwest High School	11	RQ17015414	1	ea	Volume control	\$21.00	\$21.00
538294	Accent Electronics, Inc	Southwest High School	12	RQ17015414	1	ea	Bluetooth Audio Adapter	\$42.00	\$42.00
538294	Accent Electronics, Inc	Southwest High School	13	RQ17015414	2	ea	Cut in backbox	\$11.20	\$22.40
538294	Accent Electronics, Inc	Southwest High School	14	RQ17015414	1	ea	Cell phone shelf	\$35.00	\$35.00
538294	Accent Electronics, Inc	Southwest High School	15	RQ17015414	1	lot	Labor	\$1,029.00	\$1,029.00
538324	Flaghouse, Inc.	Central Receiving	1	RQ17015541	1	each	Adult Trike	\$615.00	\$615.00
538324	Flaghouse, Inc.	Central Receiving	2	RQ17015541	5	each	Flaghouse Hop Ball	\$39.75	\$198.75
538347	Technology in Education	Mar Vista High School	1	RQ17015000	11	each	Flat Panel, HoverCam Centerstage and Pilot	\$4,899.00	\$53,889.00
538347	Technology in Education	Mar Vista High School	2	RQ17015000	11	ea	Motorized Platform, HoverCam Pilot Win 17 Custom, embedded electronics and computerized components	\$2,999.00	\$32,989.00
538347	Technology in Education	Mar Vista High School	3	RQ17015000	11	ea	Motorized Telescopic HoverCam CS Stand	\$1,599.00	\$17,589.00
538347	Technology in Education	Mar Vista High School	4	RQ17015000	11	ea	CS-5 year warranty	\$1,153.00	\$12,683.00
538347	Technology in Education	Mar Vista High School	5	RQ17015000	11	ea	Pilot Motor, 5 year warranty	\$588.00	\$6,468.00
538347	Technology in Education	Mar Vista High School	6	RQ17015000	11	ea	CS Stand, Motor, 5 year warranty	\$376.00	\$4,136.00
538347	Technology in Education	Mar Vista High School	7	RQ17015000	1	ea	One-hour onsite trainging sessions (included)	\$0.00	\$0.00
538347	Technology in Education	Mar Vista High School	8	RQ17015000	1,100	ea	Knotester Lesson Recording, First Year \$10/student/yr (inlcuded	\$0.00	\$0.00
538347	Technology in Education	Mar Vista High School	9	RQ17015000	1	ea	Shipping/Handling/Installation	\$4,235.00	\$4,235.00
538354	Grand Pacific Charter	Castle Park High School	1	RQ17014970	1	lot	Event: Careers in Public Service EventLocation: Marina Village Conference Center Date: Wednesday, May 17, 2017 Pick up time: 7:45 Drop off time: 3:30 Attendee: Darci Kimball 1 school bus	\$615.00	\$615.00

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538358	Fisher Scientific, LLC	Montgomery High School	1	RQ17015307	2	ea	APRON DISPOSABLE: MEDIUM WEIGHT	\$25.50	\$51.00
538380	Rasix Computer Center, Inc.	Rancho Del Rey Middle School		RQ17015830	5	lot	HP 05A Black toner cartridge for HP LaserJet P2035 and 2055 series printers, HP #CE505A	\$66.00	\$330.00
538383	Smart & Final Stores Corporation	Southwest Middle School	1	RQ17015669	1	LOT	Healthy snacks, drinks, paper ware and plastic utensils for the ASES Before School Program for the month of JUNE 2017. Authorized purchasers: Esther Parrenas, David Singh and Michelle Zamora-Barba no later than June 30, 2017	\$500.00	\$500.00
538385	Safeway Inc.	Southwest Middle School	1	RQ17015665	1	lot	Healthy snacks, drinks, paper ware and plastic utensils for the ASES Before School Program for the month of June 2017. Authorized purchasers: Esther Parrenas, David Singh and Michelle Zamora-Barba no later than June 30, 2017	\$500.00	\$500.00
538411	El Tapatio Restaurant Inc.	Montgomery High School	1	RQ17015798	160	ea	Spring Field Salad, MOnterray Chicken & Santa Maria Tri-Tip, Garlic Mashed Potatoes and Medley of Veggies, Iced tea & lemonade	\$12.75	\$2,040.00
538411	El Tapatio Restaurant Inc.	Montgomery High School	2	RQ17015798	1	ea	Set Up Fee	\$65.00	\$65.00
538414	Library Store (The)	Rancho Del Rey Middle School		RQ17015843	2	ea	Label Peeler	\$4.37	\$8.74
538414	Library Store (The)	Rancho Del Rey Middle School		RQ17015843	1	ea	Sticker & Marker Remover Pen	\$9.68	\$9.68
538414	Library Store (The)	Rancho Del Rey Middle School		RQ17015843	1	ea	Un-du remover	\$8.97	\$8.97
538414	Library Store (The)	Rancho Del Rey Middle School		RQ17015843	1	ea	18 ft. Magpole Kit	\$170.67	\$170.67
538414	Library Store (The)	Rancho Del Rey Middle School		RQ17015843	1	ea	STEM Maker Stations Base	\$397.98	\$397.98
538414	Library Store (The)	Rancho Del Rey Middle School		RQ17015843	1	ea	Miracle Magic Eraser	\$2.29	\$2.29
538414	Library Store (The)	Rancho Del Rey Middle School		RQ17015843	2	ea	The Dirt Eraser	\$2.38	\$4.76
538420	Signa Digital Solutions, INC	Southwest High School	1	RQ17015883	1	ea	Canon Ink Tank Pigment Matte Black Ink Tank 700mi	\$279.00	\$279.00
538420	Signa Digital Solutions, INC	Southwest High School	2	RQ17015883	1	ea	Canon Ink Tank Dye Black Ink Tank 700mi	\$279.00	\$279.00
538420	Signa Digital Solutions, INC	Southwest High School	3	RQ17015883	1	ea	Canon Ink Tank Dye Cyan Ink Tank 700mi	\$279.00	\$279.00
538420	Signa Digital Solutions, INC	Southwest High School	4	RQ17015883	1	ea	Canon Ink Tank Dye Magneta Ink Tank 700mi	\$279.00	\$279.00
538420	Signa Digital Solutions, INC	Southwest High School	5	RQ17015883	1	ea	Canon Ink Tank Dye Yellow Ink Tank 700mi	\$279.00	\$279.00

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538420	Signa Digital Solutions, INC	Southwest High School	6	RQ17015883	1	ea	Maintenance Cartridge MC-09	\$95.00	\$95.00
538420	Signa Digital Solutions, INC	Southwest High School	7	RQ17015883	1	ea	Print Head PF-04	\$450.00	\$450.00
538422	TA Appliance Parts Company	Olympian High School	1	RQ17015892	1	ea	AWN432SP Top Load Washer, White	\$829.00	\$829.00
538422	TA Appliance Parts Company	Olympian High School	2	RQ17015892	1	ea	ADE3SRGS (Manufacturer substitution for ADE30RG) Electric Dryer, White	\$749.00	\$749.00
538422	TA Appliance Parts Company	Olympian High School	3	RQ17015892	1	ea	Free Delivery - Drop Off Only - 3 yr Warranty does not cover items when used commercially	\$0.00	\$0.00
538422	TA Appliance Parts Company	Olympian High School	4	RQ17015892	1	ea	8.75% Tax Rate	\$138.08	\$138.08
538460	Delta Education LLC	National City Middle School	1	RQ17015192	1	EA	CHEM METH ALC ABSOLUT ANHYD SAFETY RG 3.8L	\$20.29	\$20.29
538460	Delta Education LLC	National City Middle School	1	RQ17015192	1	EA	HAZARDOUS MATERIAL ITEM	\$25.00	\$25.00
538460	Delta Education LLC	National City Middle School	1	RQ17015192	1	EA	CHEM ISOPRPYL ALCOHOL 99 PCT RG 3.8L	\$29.39	\$29.39
538460	Delta Education LLC	National City Middle School	1	RQ17015192	1	LOT	NATIONAL CITY TAX ADJUSTMENT	\$0.38	\$0.38
538461	Flinn Scientific, Inc.	Bonita Vista High School	1	RQ17015145	2	ea	Ni strips, metal - electrodes, pkg of 6	\$15.44	\$30.89
538461	Flinn Scientific, Inc.	Bonita Vista High School	2	RQ17015145	1	ea	filter paper - 12.5 cm diameter	\$5.72	\$5.72
538461	Flinn Scientific, Inc.	Bonita Vista High School	3	RQ17015145	1	ea	Cobalt chloride - solution, 0.1 M 500mL	\$5.81	\$5.81
538461	Flinn Scientific, Inc.	Bonita Vista High School	4	RQ17015145	1	ea	Resazurin - 1% solution, 20mL	\$7.48	\$7.48
538461	Flinn Scientific, Inc.	Bonita Vista High School	5	RQ17015145	6	ea	watch glasses - 90 mm	\$2.82	\$16.90
538461	Flinn Scientific, Inc.	Bonita Vista High School	6	RQ17015145	1	ea	ammonium hydroxide - 1 M, 1000mL	\$9.42	\$9.42
538461	Flinn Scientific, Inc.	Bonita Vista High School	7	RQ17015145	1	ea	copper II sulfate - reagent 500 g	\$17.56	\$17.56
538461	Flinn Scientific, Inc.	Bonita Vista High School	8	RQ17015145	1	ea	Hydrochloric acid - 1M	\$8.93	\$8.93
538461	Flinn Scientific, Inc.	Bonita Vista High School	9	RQ17015145	1	ea	Hydrochloric acid - 3M 500 mL	\$6.34	\$6.34
538461	Flinn Scientific, Inc.	Bonita Vista High School	10	RQ17015145	1	ea	Nitric Acid - 0.1M, 500 mL	\$6.26	\$6.26
538461	Flinn Scientific, Inc.	Bonita Vista High School	11	RQ17015145	1	ea	Magnesium nitrate - lab grade 500 g	\$11.35	\$11.35
538461	Flinn Scientific, Inc.	Bonita Vista High School	12	RQ17015145	1	ea	Wash bottle - 500 mL	\$4.53	\$4.53
538461	Flinn Scientific, Inc.	Bonita Vista High School	13	RQ17015145	12	ea	Dropper bottles - 30 mL, amber	\$1.80	\$21.54
538461	Flinn Scientific, Inc.	Bonita Vista High School	14	RQ17015145	1	ea	Sodium polyacrylate - powder, 100 g	\$11.88	\$11.88
538461	Flinn Scientific, Inc.	Bonita Vista High School	15	RQ17015145	1	ea	Hazard Fee	\$21.75	\$21.75
538462	Flinn Scientific, Inc.	National City Middle School	1	RQ17015188	4	ea	BEAKER TONGS W/SLEEVES	\$7.61	\$30.45

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538462	Flinn Scientific, Inc.	National City Middle School	1	RQ17015188	60	ea	STIR ROD. 8 INCH	\$0.35	\$21.12
538462	Flinn Scientific, Inc.	National City Middle School	3	RQ17015188	12	ea	POLICEMAN. RUBBER. ANGLE	\$0.72	\$8.66
538462	Flinn Scientific, Inc.	National City Middle School	4	RQ17015188	50	ea	TEST TUBES. 15X125. 14ML	\$0.57	\$28.60
538462	Flinn Scientific, Inc.	National City Middle School	5	RQ17015188	30	ea	RULER. OPAQUE. 12'	\$0.84	\$25.08
538462	Flinn Scientific, Inc.	National City Middle School	6	RQ17015188	1	LOT	NATIONAL CITY TAX ADJUSTMENT	\$0.57	\$0.57
538467	Follett School Solutions, National City Middle School Inc.	National City Middle School	1	RQ17014705	1	lot	Quote ID # 9102092	\$2,979.89	\$2,979.89
538467	Follett School Solutions, National City Middle School Inc.	National City Middle School	1	RQ17014705	1	lot	Cataloging & Processing for Books	\$350.66	\$350.66
538467	Follett School Solutions, National City Middle School Inc.	National City Middle School	3	RQ17014705	1	lot	National City Sales Tax Adjustment 8.75%	\$14.90	\$14.90
538469	Lakeshore Learning Materials	East Hills Academy	1	RQ17015517	1	each	Money Hands-on Kit	\$75.99	\$75.99
538469	Lakeshore Learning Materials	East Hills Academy	2	RQ17015517	1	each	Multiplying Fractions Hands-on Teaching Kit	\$75.99	\$75.99
538469	Lakeshore Learning Materials	East Hills Academy	3	RQ17015517	1	each	Fractions and Decimals Hands-on Teaching Kit	\$75.99	\$75.99
538475	Demco Inc.	Bonita Vista Middle School	1	RQ17016023	1	EA	Rolling Swinger Makerboard Sign 42"x30"x24" Black	\$204.60	\$204.60
538475	Demco Inc.	Bonita Vista Middle School	2	RQ17016023	1	EA	Replacement Markers 4/Set	\$37.20	\$37.20
538475	Demco Inc.	Bonita Vista Middle School	3	RQ17016023	1	EA	AmpliVox Belt Blaster Pro Rechargeable PA	\$195.30	\$195.30
538475	Demco Inc.	Bonita Vista Middle School	4	RQ17016023	1	EA	48' Long Cork Bulletin Bar (Frame color: Silver)	\$20.46	\$20.46
538475	Demco Inc.	Bonita Vista Middle School	5	RQ17016023	1	EA	Raised Letter Sign NO FOOD or DRINK 8'x8' Colonial Blue	\$22.32	\$22.32
538475	Demco Inc.	Bonita Vista Middle School	6	RQ17016023	1	EA	General Sign QUIET STUDY AREA 7-1/2'H X 7-1/2'W	\$27.43	\$27.43
538475	Demco Inc.	Bonita Vista Middle School	7	RQ17016023	1	EA	Executive Bluetooth Audio System	\$102.30	\$102.30
538475	Demco Inc.	Bonita Vista Middle School	8	RQ17016023	8	EA	Demco Gift Pack Sticky Notes Pen and Tumbler FREE gift	\$0.00	\$0.00
538477	School Specialty, Inc.	Castle Park High School	1	RQ17015946	5	Pkg	SAX Pre-Cut Mat, 12 x 16 in, 8.5 x 11.5 in window, black Pack of 10	\$17.28	\$86.40
538477	School Specialty, Inc.	Castle Park High School	2	RQ17015946	1	EA	School Smart Vertical Pencil Sharpener, 6 x 6 inches, Electric	\$17.99	\$17.99
538483	Demco Inc.	Chula Vista Middle School	1	RQ17015717	1	rl	Color-Tinted Label Protectors 1' x 3' Purple 250/Roll	\$13.34	\$13.34
538483	Demco Inc.	Chula Vista Middle School	2	RQ17015717	1	rl	Color-Tinted Label Protectors 1' x 3' Orange 250/Roll	\$13.34	\$13.34

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538483	Demco Inc.	Chula Vista Middle School	3	RQ17015717	1	rl	Color-Tinted Label Protectors 1' x 3' Pink 250/Roll	\$13.34	\$13.34
538483	Demco Inc.	Chula Vista Middle School	4	RQ17015717	1	rl	Color-Tinted Label Protectors 1' x 3' Gray 250/Roll	\$13.34	\$13.34
538483	Demco Inc.	Chula Vista Middle School	5	RQ17015717	2	rl	Color-Tinted Label Protectors 1' x 3' Yellow 250/Roll	\$13.34	\$26.68
538483	Demco Inc.	Chula Vista Middle School	6	RQ17015717	1	pkg	All Purpose Glue Sticks 12/Pkg	\$11.77	\$11.77
538483	Demco Inc.	Chula Vista Middle School	7	RQ17015717	2	ea	Metal Label Peeler	\$6.80	\$13.59
538483	Demco Inc.	Chula Vista Middle School	8	RQ17015717	1	pkg	Sharpie Ultra Fine Tip Marker Black 12/Pkg	\$17.97	\$17.97
538483	Demco Inc.	Chula Vista Middle School	9	RQ17015717	1	pkg	Sharpie Chisel Tip Markers Assorted Colors 4/Pkg 5.84 15% 4.97	\$4.97	\$4.97
538483	Demco Inc.	Chula Vista Middle School	10	RQ17015717	3	bx	Library Pencils 3-1/2' 144/Box	\$10.70	\$32.11
538483	Demco Inc.	Chula Vista Middle School	11	RQ17015717	1	bx	Uni-ball Gel Impact Pen 1.0mm Retractable Black 12/Box	\$38.25	\$38.25
538483	Demco Inc.	Chula Vista Middle School	12	RQ17015717	6	ea	Bic Wite-Out Correction Tape	\$3.22	\$19.33
538483	Demco Inc.	Chula Vista Middle School	13	RQ17015717	1	ea	DEMCO Economy Book Tape 3' x 30 Yards	\$4.94	\$4.94
538486	Dick Blick Company	Palomar High School	1	RQ17016076	11	ea	Scotch Multi-Purpose Scissors (8 inches)	\$2.65	\$29.15
538528	Really Good Stuff, Inc.	San Ysidro High School	1	RQ17015566	2	Ea	Common Core Study Stickies - Literature Comprehension	\$14.99	\$29.98
538528	Really Good Stuff, Inc.	San Ysidro High School	2	RQ17015566	2	Ea	E.Z.C Reader Strips - 90 strips	\$39.60	\$79.20
538528	Really Good Stuff, Inc.	San Ysidro High School	3	RQ17015566	4	Ea	Sentence Strips - Brite	\$5.99	\$23.96
538529	School Health Corporation	Bonita Vista High School	1	RQ17015421	1	box	Ibuprofen Tablets - 200 mg - 500s	\$17.96	\$17.96
538529	School Health Corporation	Bonita Vista High School	2	RQ17015421	10	ea	6'x9' Therma-Kool Hot/Cold	\$1.23	\$12.30
538529	School Health Corporation	Bonita Vista High School	3	RQ17015421	10	ea	4'x9' Therma-Kool Hot/Cold Compress	\$1.46	\$14.60
538529	School Health Corporation	Bonita Vista High School	4	RQ17015421	3	ea	8.5 'x10.5' Therma-Kool Hot/Cold Compress	\$3.85	\$11.55
538529	School Health Corporation	Bonita Vista High School	5	RQ17015421	1	box	Coban Cohesive Wrap in Assorted Colors	\$44.61	\$44.61
538530	School Health Corporation	Castle Park High School	1	RQ17015378	1	ea	One Touch Ultra Stips 50/bx	\$93.17	\$93.17
538530	School Health Corporation	Castle Park High School	2	RQ17015378	2	Ea	Economy Dry Heating pad	\$18.09	\$36.18
538530	School Health Corporation	Castle Park High School	3	RQ17015378	1	EA	SpO2 Finger Tip Pulse Oximeter	\$57.19	\$57.19
538530	School Health Corporation	Castle Park High School	4	RQ17015378	12	BX	School Hlth Adhesive bandages flex fabric 1' x 3' 100/bx	\$2.27	\$27.24

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538530	School Health Corporation	Castle Park High School	5	RQ17015378	3	BX	School Adhesive bandages flex fabric XL 2' x 4' 50/bx	\$3.97	\$11.91
538530	School Health Corporation	Castle Park High School	6	RQ17015378	3	Pkg	Economy wound closures strips 1/4' x 3' pkg of 3	\$1.31	\$3.93
538530	School Health Corporation	Castle Park High School	7	RQ17015378	6	EA	Cohesive Bandages 1' x 5 yds	\$1.39	\$8.34
538530	School Health Corporation	Castle Park High School	8	RQ17015378	9	EA	Cohesive Bandages 3' x 5 yds	\$2.49	\$22.41
538530	School Health Corporation	Castle Park High School	9	RQ17015378	5	EA	Hartmann latex free elastic free bandage 6' x 5 yds	\$7.35	\$36.75
538530	School Health Corporation	Castle Park High School	10	RQ17015378	1	EA	Absorbent cotton balls - non sterile 500/bag	\$1.74	\$1.74
538530	School Health Corporation	Castle Park High School	11	RQ17015378	2	EA	Callergy Lotion - 6 oz clear	\$4.34	\$8.68
538530	School Health Corporation	Castle Park High School	12	RQ17015378	2	EA	Water Jel burn Jel 4 oz bottle	\$8.58	\$17.16
538530	School Health Corporation	Castle Park High School	13	RQ17015378	1	EA	Bactine 4oz Squeeze bottle	\$3.94	\$3.94
538530	School Health Corporation	Castle Park High School	14	RQ17015378	3	EA	Eye Wash - 4 oz	\$1.88	\$5.64
538530	School Health Corporation	Castle Park High School	15	RQ17015378	2	EA	Contact Lens Cases 2/pkg	\$2.92	\$5.84
538530	School Health Corporation	Castle Park High School	16	RQ17015378	2	EA	Bauch & Lomb ReNu Fresh Multiuse contact solution 4 oz	\$4.21	\$8.42
538530	School Health Corporation	Castle Park High School	17	RQ17015378	1	EA	Cavicide wipes 6' x 6.75' 220/can	\$11.71	\$11.71
538530	School Health Corporation	Castle Park High School	18	RQ17015378	10	EA	Zip seal reclosable top bags - 2ml - 5' x 7' -100/pkg	\$2.53	\$25.30
538531	School Health Corporation	Eastlake Middle School	1	RQ17015418	1	cs	kwik hleat instant heat	\$27.36	\$27.36
538531	School Health Corporation	Eastlake Middle School	2	RQ17015418	2	ea	neosporin ointment	\$5.84	\$11.68
538531	School Health Corporation	Eastlake Middle School	3	RQ17015418	2	ea	hydrocortisone cream	\$4.74	\$9.48
538531	School Health Corporation	Eastlake Middle School	4	RQ17015418	2	ea	eye solution	\$3.74	\$7.48
538531	School Health Corporation	Eastlake Middle School	5	RQ17015418	1	bx	bandages	\$2.67	\$2.67
538531	School Health Corporation	Eastlake Middle School	6	RQ17015418	1	case	instant cold pack	\$12.71	\$12.71
538531	School Health Corporation	Eastlake Middle School	7	RQ17015418	20	tube	pleated cup	\$2.47	\$49.40

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538531	School Health Corporation	Eastlake Middle School	8	RQ17015418	1	case	economy tissue	\$32.39	\$32.39
538531	School Health Corporation	Eastlake Middle School	9	RQ17015418	1	kit	sheer strips	\$35.21	\$35.21
538531	School Health Corporation	Eastlake Middle School	10	RQ17015418	2	ea	lylsol disinfectant spray	\$6.48	\$12.96
538531	School Health Corporation	Eastlake Middle School	11	RQ17015418	5	bx	alcohol prep pad	\$2.14	\$10.70
538531	School Health Corporation	Eastlake Middle School	12	RQ17015418	1	gal	hospital disinfectant	\$34.14	\$34.14
538531	School Health Corporation	Eastlake Middle School	13	RQ17015418	2	bx	ace wraps 3 x 5	\$5.07	\$10.14
538532	Childtherapytoys.com, LLC	Special Services	1	RQ17014917	1	ea	Thought Changing Cards for People who are Anxious	\$34.95	\$34.95
538532	Childtherapytoys.com, LLC	Special Services	2	RQ17014917	1	ea	Self-Control Workbook	\$15.96	\$15.96
538532	Childtherapytoys.com, LLC	Special Services	3	RQ17014917	1	ea	ADHD Workbook	\$15.95	\$15.95
538532	Childtherapytoys.com, LLC	Special Services	4	RQ17014917	1	ea	Classic Koosh Ball	\$5.95	\$5.95
538532	Childtherapytoys.com, LLC	Special Services	5	RQ17014917	1	ea	Who Are You? 4 Inch Thumball	\$11.95	\$11.95
538532	Childtherapytoys.com, LLC	Special Services	6	RQ17014917	2	ea	Puffer Sensory Balls (Pair)	\$2.95	\$5.90
538532	Childtherapytoys.com, LLC	Special Services	7	RQ17014917	3	ea	Happy Face Squeeze Balls (Pair)	\$2.95	\$8.85
538532	Childtherapytoys.com, LLC	Special Services	8	RQ17014917	1	ea	Wheelbarrow & Tools	\$14.95	\$14.95
538532	Childtherapytoys.com, LLC	Special Services	9	RQ17014917	1	ea	Zen Garden	\$19.95	\$19.95
538533	Super Duper Publications	Special Services	1	RQ17015191	1	ea	Ask & Answer 'Wh' Bingo	\$59.95	\$59.95
538533	Super Duper Publications	Special Services	2	RQ17015191	1	ea	The Question: Conversation Starter Cards	\$34.95	\$34.95
538533	Super Duper Publications	Special Services	3	RQ17015191	1	ea	Granny's Candies	\$59.94	\$59.94
538536	Multi Service Technology Solutions, Inc.	San Ysidro High School	1	RQ17014024	5	Ea	Sunpak Platinum Plus Mini-D 11.5' Tripod Mfg 620-120BB	\$11.99	\$59.95
538536	Multi Service Technology Solutions, Inc.	San Ysidro High School	2	RQ17014024	5	Ea	Blue Microphones Snowball iCE USD (microphone - white) Mfg Snowball Ice	\$45.99	\$229.95

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538536	Multi Service Technology Solutions, Inc.	San Ysidro High School	3	RQ17014024	5	Ea	Logitech C920 Pro Webcam - Black Mfg 960-000764	\$61.99	\$309.95
538537	Square Grove, LLC	Southwest High School	1	RQ17015942	1	EA	Adjustable Standing Desk with L-Shaped Custom Laminate Desktop-Black-72' x 72' x 30'	\$1,899.00	\$1,899.00
538549	Royal Lines Charters, LLC	San Ysidro High School	1	RQ17016121	1	Lot	Provide RoundTrip Charter service on Wed, May 17, 2017 to Marina Village Conference from 7:30am to 3:15pm	\$741.00	\$741.00
538562	Fisher Scientific, LLC	Castle Park High School	1	RQ17016128	1	EA	Fisherbrand Standard Mini Centrifuge	\$219.50	\$219.50
538562	Fisher Scientific, LLC	Castle Park High School	2	RQ17016128	1	EA	Bath, Water,Stainless Steel Chamber, Thermostat, Front Panel Drip Guard, 1.8L; 5.L x 6W x 4 in.D; Includes cover	\$345.72	\$345.72
538562	Fisher Scientific, LLC	Castle Park High School	3	RQ17016128	1	EA	Glassware drying rack	\$93.80	\$93.80
538562	Fisher Scientific, LLC	Castle Park High School	4	RQ17016128	5	EA	Fisher Scientific Traceable Digital Thermometers	\$34.83	\$174.15
538562	Fisher Scientific, LLC	Castle Park High School	5	RQ17016128	10	EA	Scissors, Shears and Bone Cutters	\$2.73	\$27.30
538563	Fisher Scientific, LLC	Castle Park High School	1	RQ17016127	4	EA	Edvotek Blood-Based Cancer Diagnostics	\$69.01	\$276.04
538563	Fisher Scientific, LLC	Castle Park High School	2	RQ17016127	5	PKG	Large Barn Owl Pellets 10/pkg	\$26.13	\$130.65
538563	Fisher Scientific, LLC	Castle Park High School	3	RQ17016127	2	PKG	Genetic Traits Taste Testing Strips 100/pkg	\$2.31	\$4.62
538563	Fisher Scientific, LLC	Castle Park High School	4	RQ17016127	1	EA	Edvotek How do you clone a gene?	\$47.74	\$47.74
538563	Fisher Scientific, LLC	Castle Park High School	5	RQ17016127	1	EA	Advanced Fossil Collection	\$36.18	\$36.18
538563	Fisher Scientific, LLC	Castle Park High School	6	RQ17016127	1	EA	Flexible Brush	\$4.02	\$4.02
538563	Fisher Scientific, LLC	Castle Park High School	7	RQ17016127	1	EA	Flexible Brush	\$4.15	\$4.15
538565	SW School Supply Inc.	Transportation	1	RQ17016180	2	ea	Sharpie metallic permanent marker-fine point, gold/silver	\$5.09	\$10.18
538565	SW School Supply Inc.	Transportation	2	RQ17016180	2	ea	Sharpie oil-based paint marker, fine point, white	\$2.54	\$5.08
538566	Staples Inc. & Subsidiaries	Bonita Vista High School	1	RQ17016196	1	ea	Bunn Coffee Filters, 12-Cup, 250/Pack	\$4.86	\$4.86
538575	Demco Inc.	San Ysidro High School	1	RQ17015407	1	ea	Emoji Faces Die Cut Bookmarks 2-1/4' x 5-3/4' 4Design 200/Pk	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	2	RQ17015407	1	ea	Color Craze Floral Bookmarks 2-1/4' x 7' 4 Designs 200/Pkg	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	3	RQ17015407	1	ea	Digital Citizenship Bookmarks 6-1/2'H x 3'W 200/Pkg	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	4	RQ17015407	1	ea	Ice Cream Cone Bookmarks 6'H x 2'W 200/Pkg	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	5	RQ17015407	1	ea	Create Bookmark 2'H x 6'W 200/Pkg	\$8.02	\$8.02

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538575	Demco Inc.	San Ysidro High School	6	RQ17015407	1	ea	Literary Quotes Bookmarks 2' x 6' 4 Designs 200/Pkg	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	7	RQ17015407	1	ea	Sign Language READ Bookmarks 2'H x 6'W 2-sided 200/Pkg	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	8	RQ17015407	1	ea	Just Dewey It Bookmarks 2'Hx6'W 4 Designs 200/Pkg	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	9	RQ17015407	1	ea	Color Craze Bookmarks 2-1/4 x 7' 5 Designs 200/Pkg	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	10	RQ17015407	1	ea	Cars Bookmarks 2' x 6' 4 Designs 200/Pkg	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	11	RQ17015407	1	ea	Fall Into a Good Book Eric Carle Bookmarks 2'x6' 200/Pkg	\$8.44	\$8.44
538575	Demco Inc.	San Ysidro High School	12	RQ17015407	1	ea	Makerspace Etiquette Jumbo Bookmarks 3x6-1/2' 200/Pkg	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	13	RQ17015407	1	ea	READ Camo Bookmark 2'H x 6'W 200/Pkg	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	14	RQ17015407	1	ea	READ Block Bookmark 2'H x 6'W 200/Pkg	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	15	RQ17015407	1	ea	Candy Hearts Scented Bookmark 2' x 5' 100/Pkg	\$6.93	\$6.93
538575	Demco Inc.	San Ysidro High School	16	RQ17015407	1	ea	Gingerbread Scented Bookmark 5'H x 2'W 100/Pkg	\$6.93	\$6.93
538575	Demco Inc.	San Ysidro High School	17	RQ17015407	1	ea	Eric Carle LOVE Bookmarks 2' x 6' 200/Pkg	\$8.02	\$8.02
538575	Demco Inc.	San Ysidro High School	18	RQ17015407	1	ea	Teen Abstract Canvas Print Girl with Book 4'H X 3'W	\$269.70	\$269.70
538575	Demco Inc.	San Ysidro High School	19	RQ17015407	1	ea	Teen Abstract Canvas Print Music 4'H X 3'W	\$269.70	\$269.70
538575	Demco Inc.	San Ysidro High School	20	RQ17015407	1	ea	Read Carpet 4'5'W x 5'10'D Rectangle	\$176.70	\$176.70
538580	Artstock	Castle Park Middle School	1	RQ17016308	51	ea	Art Supplies -1 Miscellaneous	\$0.78	\$39.78
538580	Artstock	Castle Park Middle School	2	RQ17016308	1	ea	Art-Time Tempera 17-6602 Yellow	\$14.78	\$14.78
538580	Artstock	Castle Park Middle School	3	RQ17016308	1	ea	Art-Time Tempera 17-6650 Blue	\$14.78	\$14.78
538580	Artstock	Castle Park Middle School	4	RQ17016308	1	ea	Art-Time Tempera 17-6620 Red	\$14.78	\$14.78
538580	Artstock	Castle Park Middle School	5	RQ17016308	1	ea	Plaster Hydrocal - Hydrocal West	\$24.30	\$24.30
538580	Artstock	Castle Park Middle School	6	RQ17016308	5	ea	Sarg Oil Pastels 22-2018	\$3.50	\$17.50
538580	Artstock	Castle Park Middle School	7	RQ17016308	1	ea	SPDBLL India Ink 3398 Super Black	\$15.17	\$15.17
538580	Artstock	Castle Park Middle School	8	RQ17016308	1	ea	YAS Origami 4251 100 SHT 5 7/8	\$5.00	\$5.00
538580	Artstock	Castle Park Middle School	9	RQ17016308	1	lot	Pricing per Invoice 0, 4/26/2017	-\$0.73	-\$0.73
538582	Dick Blick Company	Olympian High School	1	RQ17016305	10	ea	CRAYOLA CLR PENCIL 24/SET	\$3.82	\$38.20
538582	Dick Blick Company	Olympian High School	2	RQ17016305	4	ea	PRISMACOLOR CLR PNCL ASRTD 24/SET	\$13.44	\$53.76

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538582	Dick Blick Company	Olympian High School	3	RQ17016305	40	ea	SCHOLASTC SCRATCH BD BLK 8.5X11 12 PT	\$0.35	\$14.00
538582	Dick Blick Company	Olympian High School	4	RQ17016305	3	ea	POLY VARNISH DELUXE 3PC BRUSH SET	\$3.62	\$10.86
538582	Dick Blick Company	Olympian High School	5	RQ17016305	40	ea	PERFORMANCE SCISSORS 7IN DOUBLE THUMB	\$4.14	\$165.60
538582	Dick Blick Company	Olympian High School	6	RQ17016305	1	EA	LOGAN BLADES 270 PKG 50	\$14.00	\$14.00
538582	Dick Blick Company	Olympian High School	7	RQ17016305	8	EA	T PINS 35/BX 1.5IN	\$1.30	\$10.40
538582	Dick Blick Company	Olympian High School	8	RQ17016305	80	EA	ELMERS GLUE GLUE ALL .21OZ STICK	\$0.42	\$33.60
538582	Dick Blick Company	Olympian High School	9	RQ17016305	40	EA	SAFE T COMPASS COMPASS	\$0.99	\$39.60
538582	Dick Blick Company	Olympian High School	10	RQ17016305	12	EA	PAPER MACHE BOXES MINI SQ BOX EA	\$0.59	\$7.08
538582	Dick Blick Company	Olympian High School	11	RQ17016305	12	EA	PAPER MACHE BOXES MINI ROUND BOX EA	\$0.59	\$7.08
538582	Dick Blick Company	Olympian High School	12	RQ17016305	12	EA	PAPER MACHE BOXES MINI OVAL BOX EA	\$0.59	\$7.08
538582	Dick Blick Company	Olympian High School	13	RQ17016305	12	EA	PAPER MACHE BOXES MINI HEXGON BOX EA	\$0.59	\$7.08
538582	Dick Blick Company	Olympian High School	14	RQ17016305	25	EA	CRESCENT MATBOARD 130 SMTH BLK 32X40	\$5.83	\$145.75
538582	Dick Blick Company	Olympian High School	15	RQ17016305	6	EA	INTERTAPE MASK TAPE 18MMX60YD 3/4IN	\$0.94	\$5.64
538582	Dick Blick Company	Olympian High School	16	RQ17016305	1	EA	PRISMACOLOR CLR PNCL ASRTD 72/SET	\$39.98	\$39.98
538582	Dick Blick Company	Olympian High School	17	RQ17016305	1	EA	CRAYOLA CLR PENCIL CLSPK BX/462	\$58.66	\$58.66
538585	Flinn Scientific, Inc.	Sweetwater High School	1	RQ17015020	1	EA	METHYLENE BLUE SOLUTION 1%	\$8.98	\$8.98
538585	Flinn Scientific, Inc.	Sweetwater High School	2	RQ17015020	24	EA	SCOOPS STAOM;ESS STEEL	\$1.45	\$34.85
538585	Flinn Scientific, Inc.	Sweetwater High School	3	RQ17015020	1	LOT	ADDITIONAL TAX NC	\$0.22	\$0.22
538601	Votaw Tool Company	Visual/Performing Arts	1	RQ17016288	1	each	TESCH Power Brass - Gal Bot	\$26.46	\$26.46
538601	Votaw Tool Company	Visual/Performing Arts	2	RQ17016288	1	each	TESCH Emerald CLNR - Gal Bot	\$13.50	\$13.50
538601	Votaw Tool Company	Visual/Performing Arts	3	RQ17016288	1	each	TESCH Shp Carton - 2 Gal	\$4.80	\$4.80
538607	School Specialty, Inc.	Special Services	1	RQ17016178	2	ea	Gymnic Disc-o-Sit Inflatable Seating and Balance Cushion with Smooth Tactile Bumps, 39 cm, Blue	\$25.99	\$51.98
538608	School Specialty, Inc.	Special Services	1	RQ17016181	1	ea	Beanbag Chair, Adult Size - Color, Blue	\$57.16	\$57.16
538608	School Specialty, Inc.	Special Services	2	RQ17016181	1	ea	Shipping/Handling	\$99.00	\$99.00
538609	W.A. KRAPF	Olympian High School	1	RQ17016285	2	EA	1' HIGH BY 2' WIDE CARD INSERTS, 10 ASSORTED COLORS, 10 SHEETS/PKG	\$9.29	\$18.58

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538610	Centering On Children, Inc.	Special Services	1	RQ17016179	1	ea	16 Tasks Basic Curriculum	\$325.00	\$325.00
538614	North shore Residential Door Company, Inc	Maintenance	1	RQ17016159	1	ea	powermaster model h operator freeform option: h-51, 1/2hp, 115v, phase 1 item # powermaster-model	\$766.95	\$766.95
538614	North shore Residential Door Company, Inc	Maintenance	2	RQ17016159	12	ea	allstar/allister/pulsar 190-108794 garage door opener transmitter 9921t-318	\$12.99	\$155.88
538614	North shore Residential Door Company, Inc	Maintenance	3	RQ17016159	12	ea	allstar 190-110925 110925 mvp quickcode remote 318 frequency gargae door opener item # 110925	\$14.25	\$171.00
538614	North shore Residential Door Company, Inc	Maintenance	4	RQ17016159	2	ea	emx ultra v-2 d-tec plug in style vehicle loop detector item # v-2d-tec	\$77.00	\$154.00
538626	Flinn Scientific, Inc.	Southwest High School	1	RQ17014458	1	EA	X RAY HUMAN	\$29.83	\$29.83
538626	Flinn Scientific, Inc.	Southwest High School	2	RQ17014458	1	EA	POGIL	\$52.14	\$52.14
538626	Flinn Scientific, Inc.	Southwest High School	3	RQ17014458	1	EA	STAIN SET, BASIC	\$43.34	\$43.34
538626	Flinn Scientific, Inc.	Southwest High School	4	RQ17014458	1	EA	BIOLOGY SUPER MODEL	\$38.10	\$38.10
538626	Flinn Scientific, Inc.	Southwest High School	5	RQ17014458	1	EA	DRY ERASE BOARDS	\$52.62	\$52.62
538626	Flinn Scientific, Inc.	Southwest High School	6	RQ17014458	1	EA	NEWTON DEMONSTRATION, ECONOMY	\$20.28	\$20.28
538627	Flinn Scientific, Inc.	Southwest High School	1	RQ17014490	1	EA	DEPRESSION SLIDES	\$9.94	\$9.94
538627	Flinn Scientific, Inc.	Southwest High School	2	RQ17014490	1	EA	COVERSLIPS	\$3.48	\$3.48
538627	Flinn Scientific, Inc.	Southwest High School	3	RQ17014490	1	EA	PANGAEA STUDENT LAB KIT	\$53.90	\$53.90
538627	Flinn Scientific, Inc.	Southwest High School	4	RQ17014490	1	EA	BEAKS FLINN STEM DESIGN CHALLENGE	\$71.94	\$71.94
538628	Flinn Scientific, Inc.	Southwest High School	1	RQ17014494	1	EA	DENSITY CUBE SET	\$30.32	\$30.32
538628	Flinn Scientific, Inc.	Southwest High School	2	RQ17014494	1	EA	EXPLORING EARTHQUAKES - ACTIVITY-STATIONS KIT	\$48.93	\$48.93
538628	Flinn Scientific, Inc.	Southwest High School	3	RQ17014494	1	EA	ABO SIMULATED BLOOD TYPING - STUDENT LABORATORY KIT	\$33.88	\$33.88
538628	Flinn Scientific, Inc.	Southwest High School	4	RQ17014494	1	EA	ABO SIMULATED BLOOD TYPING REFILL KIT	\$18.83	\$18.83
538628	Flinn Scientific, Inc.	Southwest High School	5	RQ17014494	3	EA	UV INTENSITY METER AND LENS TESTER	\$2.64	\$7.92
538629	Really Good Stuff, Inc.	Eastlake High School	1	RQ17014770	2	SET	EZ STORE PRIVACY SHIELDS JUNIOR - SET OF 12 #159057	\$29.99	\$59.98
538630	Flinn Scientific, Inc.	Eastlake High School	1	RQ17015037	1	EA	BALANCE, ELECTRONIC, SARTORIUS VIC-412	\$389.84	\$389.84

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538633	El Tapatio Restaurant Inc.	Castle Park High School	1	RQ17014911	125	EA	Taste of Italy Meat lasagna & Chicken Parmesanwith spring field salad, ice tea & lemonade, coffee service, garlic bread, cookies	\$10.50	\$1,312.50
538633	El Tapatio Restaurant Inc.	Castle Park High School	2	RQ17014911	1	EA	Set Up Fee	\$65.00	\$65.00
538634	El Tapatio Restaurant Inc.	Castle Park High School	1	RQ17012003	300	ea	Picnic:Summer Menu; Fiesta MexicanaFiesta Mexicana Menu:Main Entree: Carne Asada and Pollo Asado (Grilled onsite)Caesar salad & spianch salad8oz in combination of meats.Rice and BeansAccompanied with: Guacamole, Onions, Cilantro, 4 Salsas, Radishes, Green Onions, Chiles Toreados, Mulitas and ChipsTortillas made onsite.Fully Disposable ware: Plates, Utensils, NapkinsIced tea & lemonade	\$10.25	\$3,075.00
538634	El Tapatio Restaurant Inc.	Castle Park High School	2	RQ17012003	1	ea	Catering set up fee	\$65.00	\$65.00
538635	El Tapatio Restaurant Inc.	National City Middle School	1	RQ17011903	80	each	Picnic: Summer Menu:Fiesta Mexicana Fiesta Mexicana Menu: Main Entree: Carne Asada and Pollo Asado (Grilled Onsite) 3 tacos per person 8 oz in combination of meats. Rice and Beans Accompanied with: Guacamole, Onions, Cilantro, 4 Salsas, Radishes, Green Onions, Chiles Toreados, and Chips.	\$10.25	\$820.00
538635	El Tapatio Restaurant Inc.	National City Middle School	1	RQ17011903	1	each	Set up fee	\$65.00	\$65.00
538635	El Tapatio Restaurant Inc.	National City Middle School	1	RQ17011903	1	each	National City Sales Tax Adjustment 8.75%	\$4.43	\$4.43
538636	Textbook Warehouse	Southwest High School	1	RQ17016277	10		Living in the environment 15th ed	\$59.50	\$595.00
538636	Textbook Warehouse	Southwest High School	2	RQ17016277	15		Traditions and Encounters 3rd edition c2006	\$49.95	\$749.25
538636	Textbook Warehouse	Southwest High School	3	RQ17016277	15		Physics Ca	\$78.95	\$1,184.25
538636	Textbook Warehouse	Southwest High School	4	RQ17016277	40		Modern world history patternsn (CA) c 2006	\$76.95	\$3,078.00
538637	Textbook Warehouse	Eastlake High School	1	RQ17016155	31	ea	Milestones A (California Edition)	\$19.95	\$618.45
538637	Textbook Warehouse	Eastlake High School	2	RQ17016155	38	ea	Focus On Grammar An Introductory	\$19.75	\$750.50
538637	Textbook Warehouse	Eastlake High School	3	RQ17016155	3	ea	Ven Conmigo Nuevas Vistas	\$12.25	\$36.75
538637	Textbook Warehouse	Eastlake High School	4	RQ17016155	6	ea	Anatomy & Physiology: The Unit y of	\$96.75	\$580.50
538637	Textbook Warehouse	Eastlake High School	5	RQ17016155	102	ea	Holt Psychology: Principles	\$31.05	\$3,167.10

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538637	Textbook Warehouse	Eastlake High School	6	RQ17016155	15	ea	Sociology And You	\$41.50	\$622.50
538638	Follett School Solutions, Southwest High School Inc.		1	RQ17016284	20		Glen 2009 Chemistry the molecular nature of matter and change	\$50.61	\$1,012.20
538638	Follett School Solutions, Southwest High School Inc.		2	RQ17016284	40		holt 2006 study guide for physics	\$3.90	\$156.00
538638	Follett School Solutions, Southwest High School Inc.		3	RQ17016284	50		Holt 2003 Holt Literature and language arts (CA) Course 3	\$32.75	\$1,637.50
538638	Follett School Solutions, Southwest High School Inc.		4	RQ17016284	50		Holt 2003 Holt literature and language arts (CA) Course 4	\$29.95	\$1,497.50
538638	Follett School Solutions, Southwest High School Inc.		5	RQ17016284	20		Glen 2009 solution manual for chemistry	\$11.43	\$228.60
538638	Follett School Solutions, Southwest High School Inc.		6	RQ17016284	1		The molecular nature of matter and Apply Follett Credit Voucher 11869	-\$941.49	-\$941.49
538638	Follett School Solutions, Southwest High School Inc.		7	RQ17016284	1		Apply Credit Voucher 05177	-\$42.88	-\$42.88
538638	Follett School Solutions, Southwest High School Inc.		8	RQ17016284	1		Apply Credit Voucher 138892	-\$37.39	-\$37.39
538638	Follett School Solutions, Southwest High School Inc.		9	RQ17016284	1		Apply Credit Voucher 12108	-\$54.95	-\$54.95
538638	Follett School Solutions, Southwest High School Inc.		10	RQ17016284	1		Apply Credit Voucher 11837	-\$17.86	-\$17.86
538638	Follett School Solutions, Southwest High School Inc.		11	RQ17016284	1		Apply Credit Voucher 11089	-\$51.36	-\$51.36
538638	Follett School Solutions, Southwest High School Inc.		12	RQ17016284	1		Apply Credit Voucher 05863	-\$345.24	-\$345.24
538638	Follett School Solutions, Southwest High School Inc.		13	RQ17016284	1		Apply Credit Voucher 06056	-\$76.03	-\$76.03
538638	Follett School Solutions, Southwest High School Inc.		14	RQ17016284	1		Apply Credit Voucher 06053	-\$222.79	-\$222.79
538638	Follett School Solutions, Southwest High School Inc.		15	RQ17016284	1		Apply Credit Voucher 02738	-\$27.46	-\$27.46
538638	Follett School Solutions, Southwest High School Inc.		16	RQ17016284	1		Apply Credit Voucher 96949	-\$426.54	-\$426.54
538638	Follett School Solutions, Southwest High School Inc.		17	RQ17016284	1		Apply Credit Voucher 132186	-\$100.22	-\$100.22
538638	Follett School Solutions, Southwest High School Inc.		18	RQ17016284	1		Apply Credit Voucher 132176	-\$79.27	-\$79.27
538638	Follett School Solutions, Southwest High School Inc.		19	RQ17016284	1		Apply Credit Voucher 05038	-\$45.32	-\$45.32
538638	Follett School Solutions, Southwest High School Inc.		20	RQ17016284	1		Apply Credit Voucher 06048	-\$188.97	-\$188.97
538638	Follett School Solutions, Southwest High School Inc.		21	RQ17016284	1		Apply Credit Voucher 05425	-\$63.86	-\$63.86

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538638	Follett School Solutions, Southwest High School Inc.		22	RQ17016284	1		Apply Credit Voucher 05863	-\$345.24	-\$345.24
538638	Follett School Solutions, Southwest High School Inc.		23	RQ17016284	1		Apply Credit Voucher 06056	-\$76.03	-\$76.03
538638	Follett School Solutions, Southwest High School Inc.		24	RQ17016284	1		Apply Credit Voucher 06515	-\$104.50	-\$104.50
538638	Follett School Solutions, Southwest High School Inc.		25	RQ17016284	1		Apply Credit Voucher 01477	-\$39.98	-\$39.98
538638	Follett School Solutions, Southwest High School Inc.		26	RQ17016284	1		Apply Credit Voucher132187	-\$72.11	-\$72.11
538638	Follett School Solutions, Southwest High School Inc.		27	RQ17016284	1		Apply Credit Voucher 132166	-\$68.53	-\$68.53
538638	Follett School Solutions, Southwest High School Inc.		28	RQ17016284	1		Apply Credit Voucher 132168	-\$5.86	-\$5.86
538638	Follett School Solutions, Southwest High School Inc.		29	RQ17016284	1		Apply Credit Voucher 137434	-\$146.60	-\$146.60
538638	Follett School Solutions, Southwest High School Inc.		30	RQ17016284	1		Apply Credit Voucher 05031	-\$23.13	-\$23.13
538638	Follett School Solutions, Southwest High School Inc.		31	RQ17016284	1		Apply Credit Voucher 05412	-\$113.26	-\$113.26
538638	Follett School Solutions, Southwest High School Inc.		32	RQ17016284	1		Apply Credit Voucher 86101	-\$83.52	-\$83.52
538638	Follett School Solutions, Southwest High School Inc.		33	RQ17016284	1		Apply Credit Voucher 02018	-\$11.20	-\$11.20
538638	Follett School Solutions, Southwest High School Inc.		34	RQ17016284	1		Apply Credit Voucher 02472	-\$37.13	-\$37.13
538638	Follett School Solutions, Southwest High School Inc.		35	RQ17016284	1		Apply Credit Voucher132187	-\$72.11	-\$72.11
538638	Follett School Solutions, Southwest High School Inc.		36	RQ17016284	1		Apply Credit Voucher 132166	-\$68.53	-\$68.53
538638	Follett School Solutions, Southwest High School Inc.		37	RQ17016284	1		Apply Credit Voucher 132168	-\$5.86	-\$5.86
538638	Follett School Solutions, Southwest High School Inc.		38	RQ17016284	1		Apply Credit Voucher 137434	-\$146.60	-\$146.60
538638	Follett School Solutions, Southwest High School Inc.		39	RQ17016284	1		Apply Credit Voucher 05031	-\$23.13	-\$23.13
538638	Follett School Solutions, Southwest High School Inc.		40	RQ17016284	1		Apply Credit Voucher 05412	-\$113.26	-\$113.26
538638	Follett School Solutions, Southwest High School Inc.		41	RQ17016284	1		Apply Credit Voucher 86101	-\$83.52	-\$83.52
538638	Follett School Solutions, Southwest High School Inc.		42	RQ17016284	1		Apply Credit Voucher 02018	-\$11.20	-\$11.20

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538638	Follett School Solutions, Inc.	Southwest High School	43	RQ17016284	1		Apply Credit Voucher 02472	-\$37.13	-\$37.13
538639	Textbook Warehouse	Southwest Middle School	1	RQ17016307	15	ea	UNITED STATES HISTORY: INDEPENDENCE-1914	\$72.50	\$1,087.50
538640	Textbook Warehouse	Sweetwater High School	1	RQ17016265	10	ea	Street Law A Course in Pract Law 978007860	\$19.20	\$192.00
538640	Textbook Warehouse	Sweetwater High School	2	RQ17016265	60	ea	Economics Principles in Action (CA)	\$55.00	\$3,300.00
538640	Textbook Warehouse	Sweetwater High School	3	RQ17016265	10	ea	Barrons AP Computer Science 7th Edition	\$14.20	\$142.00
538640	Textbook Warehouse	Sweetwater High School	4	RQ17016265	1	lot	NC additional tax adjustment	\$18.17	\$18.17
538641	Vista Higher Learning, Inc	Eastlake High School	1	RQ17016200	20		REVISTA 4e STUDENT EDITION +SUUPERSITE	\$150.00	\$3,000.00
538642	San Diego County Superintendent of Schools	Granger Junior High School		RQ17016024	1	ea	REGISTRATION for Lee Clark.CONFIRMATION NUMBER:cla-fa7ky2EVENT:The Resilient Mindful Learner Project-Stress Management for Educators Serving Youth.DATE:Jun 29 & 30, 2017.TIME:9:00AM-4:00PMLOCATION:S outh County Rogional Educational Center(SCREC)CONTACT:Amanda Holt amanda.holt@sdcoe.netP:(858)292-3666	\$105.00	\$105.00
538643	San Diego Graduate Supply	Montgomery High School	1	RQ17015216	450	ea	PADDED DIPLOMA COVER	\$3.55	\$1,597.50
538643	San Diego Graduate Supply	Montgomery High School	2	RQ17015216	390	ea	DIPLOMA	\$1.75	\$682.50
538643	San Diego Graduate Supply	Montgomery High School	3	RQ17015216	35	ea	HONORS MEDALLIONS	\$4.75	\$166.25
538643	San Diego Graduate Supply	Montgomery High School	4	RQ17015216	4	ea	2 VAL AND 2 SAL MEDALS/ NO CHARGE	\$0.00	\$0.00
538644	Myers-Stevens & Toohey & Co, Inc	Southwest High School	1	RQ17014718	1	Lot	Basic Short Term 24 Hour Insurance. Billing Period: 3/27/2017 - 3/30/2017, Northern California, CSU Sacramento, UC Davis, UC Berkeley, San Jose State University, San Francisco State University, University of San Francisco	\$146.40	\$146.40
538644	Myers-Stevens & Toohey & Co, Inc	Southwest High School	2	RQ17014718	1	Lot	Catastrophic Short-Term 24 Hour Insurance. Billing Period: 3/27/2017 - 3/30/2017	\$63.60	\$63.60
538644	Myers-Stevens & Toohey & Co, Inc	Southwest High School	3	RQ17014718	1	Lot	INVOICE #: 1237155	\$0.00	\$0.00
538644	Myers-Stevens & Toohey & Co, Inc	Southwest High School	4	RQ17014718	1	Lot	CONFIRMATION RECEIVED. INVOICE #: 1237155, JUSTIFICATION: Original request for requisition lost.	\$0.00	\$0.00

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538645	Follett School Solutions, Inc.	Chula Vista Middle School	1	RQ17015857	22	ea	Anderson, M. T: Feed -- Candlewick Press,	\$5.84	\$128.48
538647	PESI, Inc.	Castle Park Middle School	1	RQ17016119	1	ea	Registration for Melissa Rains, Science teacher to attend CA Yoga and Mindfulness for Kids: Improve Emotional Regulation and Increase Attention. Friday, 04/28/2017. For BVH TEACHER REG IDs: 495631-Myrna Takaki, 496991-Kimya Mahzad, 497103-Rosette Sowell	\$219.00	\$219.00
538649	Avid Center	CTE (formerly ROP)	2	RQ17015887	3	ea	Registration fee for Katie Nelson to attend the 2017 AP By the Sea Summer Institutes at the University of San Diego on July 10, 2017- July 13, 2017.	\$760.00	\$2,280.00
538650	AP by the Sea	Castle Park High School	1	RQ17015876	1	ea	Registration Fee for Jennifer Carbuccia to attend the CCSA 2017 Fall Workshop on May 5, 2017 at USD.	\$775.00	\$775.00
538651	California School Boards Association	Legal Services Division	1	RQ17015976	1	ea	Registration for HECTOR PINEDA(Confirmation Number pin-qjde81) to attend.EVENT: The Resilient Mindful Learner Project-Stress Management for Educators Serving Youth.DATE:Jun 29, 2017-Jun 30,2017.TIME:9:00AM-4:00PM.LOCATION:South County Regional Education Center(SCREC)CONTACT:http://sdcoe.k12sd.org	\$175.00	\$175.00
538652	San Diego County Superintendent of Schools	Granger Junior High School	1	RQ17015711	1	ea	Paid by CK#4652 Registration Fee for Mitchell Burton to attend AP by the Sea training (7/24/17-7/27/17)	\$105.00	\$105.00
538653	AP by the Sea	Otay Ranch HS	1	RQ17015587	1	ea	Registration for Sarah Mancero(Confirmation Number man-khrjd3) to attend.EVENT: The Resilient Mindful Learner Project-Stress Management for Educators Serving Youth.DATE:Jun 29, 2017-Jun 30,2017.TIME:9:00AM-4:00PM.LOCATION:South County Regional Education Center(SCREC)CONTACT:http://sdcoe.k12sd.org	\$775.00	\$775.00
538654	San Diego County Superintendent of Schools	Granger Junior High School	1	RQ17015728	1	ea	Paid by CK#561 History Alive! Medieval World and Beyond	\$105.00	\$105.00
538655	Textbook Warehouse	Eastlake Middle School	1	RQ17016126	20	ea	n/s alarm lock pdl4500dbr/26d	\$32.00	\$640.00
538656	Anixter International Inc.	Maintenance	1	RQ17016148	1	ea	pdl4500dbr/26d right hand deadbolt	\$678.72	\$678.72
538656	Anixter International Inc.	Maintenance	2	RQ17016148	1	ea	n/s alarm lock pdl4500dbl/26d pdl4500dbl/26d left hand deadbolt	\$678.71	\$678.71

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538657	Express Pipe & Supply Co., Inc.	Maintenance	1	RQ17016011	1	ea	salvajor model 200 208/230/460v/60hz/3ph 2hp disposer item # 180934	\$2,778.00	\$2,778.00
538658	Ferguson Enterprises, Inc.	Maintenance	1	RQ17016012	10	ea	*cvr* trans asm. item # bs83152	\$75.36	\$753.60
538659	Ewing Irrigation Products, Inc.	Maintenance	1	RQ17016014	6	ea	falcon ss/pc rainbird rotor rc item # 35002620	\$39.59	\$237.55
538659	Ewing Irrigation Products, Inc.	Maintenance	2	RQ17016014	6	ea	falcon ss/fc rainbird rotor rc item # 35002630	\$39.59	\$237.55
538659	Ewing Irrigation Products, Inc.	Maintenance	3	RQ17016014	12	ea	maxi-paw 08 rainbird popup item # 35000120	\$19.49	\$233.86
538659	Ewing Irrigation Products, Inc.	Maintenance	4	RQ17016014	12	ea	i20-06-22 hunter ultra 3/4 rtr item # 44001240	\$25.38	\$304.56
538659	Ewing Irrigation Products, Inc.	Maintenance	5	RQ17016014	12	ea	1806-sam rainbird check popup item # 35003486	\$7.84	\$94.08
538659	Ewing Irrigation Products, Inc.	Maintenance	6	RQ17016014	12	ea	1804-sam rainbird check popup item # 35003484	\$2.77	\$33.26
538660	Mrs. Nelson's Toy & Book Shop Inc.	Eastlake Middle School	1	RQ17016418	50	ea	Elementary Tagalog Workbook: Tara, Mag-Tagalog Tayo! (Price \$17.82)	\$17.82	\$891.00
538660	Mrs. Nelson's Toy & Book Shop Inc.	Eastlake Middle School	2	RQ17016418	50	ea	Elementary Tagalog: Tara, Mag-Tagalog Tayo! Come On, (Price \$26.92)	\$26.92	\$1,346.00
538661	Textbook Warehouse	Chula Vista Middle School	1	RQ17016117	100	ea	I, Juan De Pareja (Square Fish) Trevino	\$4.95	\$495.00
538662	Textbook Warehouse	Special Services	1	RQ17016331	15	ea	The Anxiety Workbook for Teens SCHAB	\$9.27	\$139.05
538662	Textbook Warehouse	Special Services	2	RQ17016331	15	ea	The Anxiety Workbook for Teens:A	\$9.89	\$148.35
538663	Mrs. Nelson's Toy & Book Shop Inc.	Eastlake High School	1	RQ17016212	24	ea	Intermediate Tagalog	\$19.92	\$478.08
538663	Mrs. Nelson's Toy & Book Shop Inc.	Eastlake High School	2	RQ17016212	15	ea	Tagalog for Beginners:	\$19.92	\$298.80
538664	Follett School Solutions, Inc.	Otay Ranch HS	1	RQ17016283	1	lot	1 Preselected AR Book title "Lord of the Flies" (33 copies) Titlewave Quote 9160608	\$483.78	\$483.78
538665	Monoprice, Inc.	Information Technology	1	RQ17016403	20	Ea	6203 - Fiber Optic Cable, LC/LC, OM2, Multi Mode, Duplex - 2 meter (50/125 type)- Orange	\$8.90	\$178.00
538665	Monoprice, Inc.	Information Technology	2	RQ17016403	12	Ea	6202 - Fiber Optic Cable, LC/LC, Multi Mode, Duplex - 1 meter (50/125 Type) - Orange	\$8.16	\$97.92
538666	Southwestern College	Athletic Support	1	RQ17015349	1	lot	Provide use of the Southwestern College Stadium for BVH football games for the 16/17 year, 7/1/16 - 6/30/17, as per contract approved by Moises Aguirre	\$16,954.90	\$16,954.90
538667	Tree House, Inc. (The)	Mar Vista High School Learning Center	1	RQ17016202	1	ea	ITEM NO. 26: HP 304A Black Original Toner Cartridge HP #CC530A	\$15.00	\$15.00

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538667	Tree House, Inc. (The)	Mar Vista High School Learning Center	3	RQ17016202	1	ea	ITEM NO. 27: HP 304A, Cyan Original Toner Cartridge HP #CC531A - NO SUBSTITUTE	\$15.00	\$15.00
538667	Tree House, Inc. (The)	Mar Vista High School Learning Center	3	RQ17016202	1	ea	ITEM NO. 28: HP 304A, Yellow Original Toner Cartridge HP #CC532A	\$15.00	\$15.00
538667	Tree House, Inc. (The)	Mar Vista High School Learning Center	4	RQ17016202	1	ea	ITEM NO. 29: HP 304A, Magenta Original Toner Cartridge HP #CC533A	\$15.00	\$15.00
538667	Tree House, Inc. (The)	Mar Vista High School Learning Center	5	RQ17016202	1	ea	ITEM NO. 24: HP 64A Black toner cartridge for P4014, P4015, P4515 HP #CC364A	\$35.00	\$35.00
538668	Staples Inc. & Subsidiaries	Hilltop High School	1	RQ17016407	2	EA	V7® PS24.0W9A2-2N 24" Privacy Filter, Frameless, 16:9, Widescreen, LCD	\$61.42	\$122.84
538669	Rasix Computer Center, Inc.	Special Services	1	RQ17016437	2	ea	HP 131A, Black toner cartridge, CF210A	\$47.00	\$94.00
538669	Rasix Computer Center, Inc.	Special Services	2	RQ17016437	2	ea	HP 131A, Cyan toner cartridge, CF211A	\$59.00	\$118.00
538669	Rasix Computer Center, Inc.	Special Services	3	RQ17016437	1	ea	HP 131A, Yellow toner cartridge, CF212A	\$59.00	\$59.00
538669	Rasix Computer Center, Inc.	Special Services	4	RQ17016437	1	ea	HP 131A, Maenta toner cartridge, CF213A	\$59.00	\$59.00
538670	Gallup, Inc.	Montgomery Middle School	1	RQ17016125	1	ea	Registration for Carolina Betanco	\$299.00	\$299.00
538670	Gallup, Inc.	Montgomery Middle School	1	RQ17016125	3	ea	Registration for Kerry Siglin, Ashley Kunkle and Monique Wood	\$299.00	\$897.00
538671	Gallup, Inc.	National City Middle School	1	RQ17016233	1	each	Registration Fee in order for Laura Marugg to attend the Strengths training on May 24-25 from 8:30-3:30.	\$299.00	\$299.00
538672	Gallup, Inc.	National City Middle School	1	RQ17016232	1	each	Registration Fee in order for Virginia Watson to attend the Strengths training on May 24-25 from 8:30-3:30.	\$299.00	\$299.00
538673	Youth Development Network	National City Middle School	1	RQ17016143	7	each	Registration fee for Leslie Bustos, Analy Osuna, Alan Harrison, Rosa Dubost, May Lualhati, Ryan Smith, Juanita Quevedo will attend the Stengths Based Instute on May 16-17 in San Diego	\$200.00	\$1,400.00
538674	Youth Development Network	Chula Vista High School	1	RQ17016081	1	ea	Registration fee for Elsa Banuelos to attend Strengths Based Institute on May 16-17, 2017, Sweetwater Union High School District.	\$200.00	\$200.00
538675	Youth Development Network	Chula Vista High School	1	RQ17016015	2	Each	Registration fee for Marisol Higareda and Nicole Neeb to attend Strengths Based Institute on May 16-17, 2017, Sweetwater Union High School District.	\$200.00	\$400.00

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538676	San Diego County Superintendent of Schools	Montgomery High School	1	RQ17016444	1	ea	Registration for Brenda Garcia to attend Leading Mathematics : An Administrator's approach to Transforming Mathmatics Education on June 23, 2017.	\$200.00	\$200.00
538677	Avid Center	Montgomery High School	1	RQ17016260	1	ea	REGISTRATION FEE FOR JORGE SOTO TO ATTEND AVID SUMMER INSTITUTE ON JUNE 28-30, 2017	\$760.00	\$760.00
538678	R&B Filtration	Bonita Vista Middle School	1	RQ17016017	12	ea	pleated 10x20x1	\$2.82	\$33.84
538678	R&B Filtration	Bonita Vista Middle School	2	RQ17016017	12	ea	pleated 16x16x2	\$5.22	\$62.64
538679	R&B Filtration	Bonita Vista High School	1	RQ17016018	12	ea	pleated filters 18x25x1	\$3.78	\$45.36
538679	R&B Filtration	Bonita Vista High School	2	RQ17016018	12	ea	pleated filters 16x16x2	\$5.22	\$62.64
538679	R&B Filtration	Bonita Vista High School	3	RQ17016018	12	ea	pleated filters 16x20x2	\$5.46	\$65.52
538679	R&B Filtration	Bonita Vista High School	4	RQ17016018	12	ea	pleated filters 20x20x1	\$4.90	\$58.80
538679	R&B Filtration	Bonita Vista High School	5	RQ17016018	24	ea	pleated filters 20x25x2	\$7.60	\$182.40
538680	R&B Filtration	Rancho Del Rey Middle School		RQ17016019	12	ea	pleated filters 14x24x1	\$3.45	\$41.40
538680	R&B Filtration	Rancho Del Rey Middle School		RQ17016019	12	ea	pleated filters 16x25x1	\$2.77	\$33.24
538680	R&B Filtration	Rancho Del Rey Middle School		RQ17016019	12	ea	pleated filters 20x20x1	\$4.90	\$58.80
538680	R&B Filtration	Rancho Del Rey Middle School		RQ17016019	12	ea	pleated filters 20x25x1	\$5.58	\$66.96
538681	Primex Wireless	Maintenance	1	RQ17016199	50	ea	12.5' black traditional series clock item # 14155	\$130.50	\$6,525.00
538681	Primex Wireless	Maintenance	2	RQ17016199	4	ea	16' black traditional series clock item # 14163	\$157.50	\$630.00
538682	Fully Inc	Educational Technology	1	RQ17014905	1	EA	JARVIS CASTERS SET OF 4	\$39.00	\$39.00
538683	Maintex, Inc.	Alternative Education	1	RQ17016044	2	EA	PAPER TOWELS	\$57.50	\$115.00
538683	Maintex, Inc.	Alternative Education	2	RQ17016044	2	EA	HAND SOAP	\$46.12	\$92.24
538683	Maintex, Inc.	Alternative Education	3	RQ17016044	1	EA	TOILET PAPER	\$35.70	\$35.70
538684	Freestyle Photographic Supplies	Hilltop High School	1	RQ17015800	135	Ea.	100 ASA Arista.edu film	\$3.19	\$430.65
538685	Avid Center	CTE (formerly ROP)	2	RQ17016009	2	ea	For ORH TEACHER REG IDs: 483692-Alex Santana, 483677-TBA	\$760.00	\$1,520.00
538685	Avid Center	CTE (formerly ROP)	3	RQ17016009	1	ea	For ORH Admin.REG IDs: 483693-Teresa Kramer	\$760.00	\$760.00
538686	Avid Center	CTE (formerly ROP)	2	RQ17016005	2	ea	For MOM TEACHER REG IDs: 425469-Mary Livesay, 412292-Kerry Siglin	\$760.00	\$1,520.00
538686	Avid Center	CTE (formerly ROP)	3	RQ17016005	1	ea	For MOM Admin. TBA REG IDs: 494142-Louie Zumstein	\$760.00	\$760.00

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538687	Avid Center	CTE (formerly ROP)	2	RQ17016138	2	EA	For NCM TEACHER(S) REG IDs: 479724-Leslie Bustos, 479713-Jason Harney	\$760.00	\$1,520.00
538687	Avid Center	CTE (formerly ROP)	3	RQ17016138	1	EA	For RDM TEACHER(S) REG IDs: 478963-Daniel Arreola	\$760.00	\$760.00
538687	Avid Center	CTE (formerly ROP)	4	RQ17016138	2	EA	For SOM TEACHER(S) REG IDs: 477414-Carina Lopez, 478993-Cristina Perez	\$760.00	\$1,520.00
538687	Avid Center	CTE (formerly ROP)	5	RQ17016138	2	EA	FOR ADMIN REG IDs: 478964-Juan Ulloa.RDM; 478997-Bill Walsh.SOM	\$760.00	\$1,520.00
538688	Avid Center	CTE (formerly ROP)	2	RQ17016004	3	ea	For CVHTEACHER REG IDs: 480058-Elsa Banuelos; 480063-Maritza Villegas, 480066-Leticia Tena-Sprague	\$760.00	\$2,280.00
538688	Avid Center	CTE (formerly ROP)	3	RQ17016004	1	EA	For CVH Admin. REG IDs: 485599-Joe Lara	\$760.00	\$760.00
538689	Avid Center	CTE (formerly ROP)	2	RQ17015935	3	ea	For SITE TEACHER REG IDs: 478868-Karen Doughman;485600-Sarah Bunyi; 497632 (WL)-Manuel Gross	\$760.00	\$2,280.00
538690	Avid Center	CTE (formerly ROP)	2	RQ17015940	2	ea	For SITE TEACHER REG IDs: 482572-Bettzi Jimenez-Barrios; 482573-Jaggit Singh	\$760.00	\$1,520.00
538690	Avid Center	CTE (formerly ROP)	3	RQ17015940	1	ea	For SOH Admin. REG IDs: 482571-Lee Romero	\$760.00	\$760.00
538691	Avid Center	CTE (formerly ROP)	2	RQ17015941	2	ea	For SITE TEACHER REG IDs: 471916-Bree Ojeda; 471931-Sofia Sandoval	\$760.00	\$1,520.00
538691	Avid Center	CTE (formerly ROP)	3	RQ17015941	1	ea	For SUH Admin. REG IDs: 471938-Maribel Gavin	\$760.00	\$760.00
538692	CDW Government, Inc.	Central Receiving	1	RQ17016034	1	ea	Epson WrokForce ET-4550 EcoTank AIO; Mfg. Part: C11CE71201/CDW Part: 3813758/UNSPSC: 44101503, Epson Multi-Function Printer. Supertank, color, ink-jet, 8.5 in x 14 in (original), A4/Legal (media), up to 11 ppm (copying). 3yr replacement warranty	\$499.99	\$499.99
538692	CDW Government, Inc.	Central Receiving	6	RQ17016034	1	lot		\$60.00	\$60.00
538693	Broadway Typewriter Company Inc	Central Receiving	1	RQ17015117	1	ea	Lenovo ThinkPad Yoga 260 (includes 3 year NBD Onsite Warranty, Custom imaging)	\$1,412.00	\$1,412.00
538693	Broadway Typewriter Company Inc	Central Receiving	2	RQ17015117	1	ea	Absolute DDS Mobile Prem for education	\$56.00	\$56.00
538693	Broadway Typewriter Company Inc	Central Receiving	3	RQ17015117	1	ea	CA recycle fee	\$5.00	\$5.00
538694	Hi Rise Camera, LLC	Central Receiving	1	RQ17015756	1	ea	HI RISE CAMERA TOWER UNIT (DOES NOT INCLUDE HARD CARRYING CASE)	\$2,455.09	\$2,455.09

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538696	CDW Government, Inc.	Rancho Del Rey Middle School		RQ17016145	4	EA	Epson VS240 LCD projector,Mfg. Part#: V11H719220,UNSPSC: 45111614,Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	\$333.89	\$1,335.56
538697	CDW Government, Inc.	Southwest Middle School	1	RQ17015960	1	ea	eReplacements projector lamp; Mfg. Part: 1018740-ER CDW Part; 3554992 UNSPSC; 45111602	\$263.45	\$263.45
538698	JW Pepper & Son, Inc.	Rancho Del Rey Middle School		RQ17015789	15	each	Essential Elements for Guitar, Book 1 with CD - c. 2005	\$17.99	\$269.85
538698	JW Pepper & Son, Inc.	Rancho Del Rey Middle School		RQ17015789	1	ea	Handling charge	\$1.00	\$1.00
538699	Follett School Solutions, Rancho Del Rey Middle School Inc.			RQ17016035	1	lot	12 Pre-selected AR books per Titlewave Quote ID 9156198. List 17200961	\$497.29	\$497.29
538699	Follett School Solutions, Rancho Del Rey Middle School Inc.			RQ17016035	1	lot	Cataloging & Processing	\$20.34	\$20.34
538700	Follett School Solutions, Rancho Del Rey Middle School Inc.			RQ17015911	1	lot	Pre-selected books. Quote ID 9155526, Customer number 0413145, List number 17270360.	\$44.25	\$44.25
538701	United States Academic Decathlon	Otay Ranch HS	1	RQ17015919	1	SET	NOTBBOOK DIVIDERS (SET OF 10)	\$68.00	\$68.00
538701	United States Academic Decathlon	Otay Ranch HS	2	RQ17015919	15	EA	NOVEL	\$6.50	\$97.50
538701	United States Academic Decathlon	Otay Ranch HS	3	RQ17015919	1	EA	4,000 SUBJECT AREA FLASH CARDS	\$380.00	\$380.00
538701	United States Academic Decathlon	Otay Ranch HS	4	RQ17015919	1	EA	PRACTICE COMBO QUIZZES	\$165.00	\$165.00
538701	United States Academic Decathlon	Otay Ranch HS	5	RQ17015919	1	EA	PRACTICE SPECIALTY TESTS	\$140.00	\$140.00
538701	United States Academic Decathlon	Otay Ranch HS	6	RQ17015919	1	EA	PRACTICE LEVEL TESTS	\$137.00	\$137.00
538701	United States Academic Decathlon	Otay Ranch HS	7	RQ17015919	1	EA	CURRICULUM PACKAGE	\$700.00	\$700.00
538701	United States Academic Decathlon	Otay Ranch HS	8	RQ17015919	1	EA	ESSAY RESOURCE GUIDE	\$42.00	\$42.00
538701	United States Academic Decathlon	Otay Ranch HS	9	RQ17015919	1	EA	STUDENT EXERCISE BOOKS PACKAGE	\$309.00	\$309.00
538701	United States Academic Decathlon	Otay Ranch HS	10	RQ17015919	1	EA	ART STUDENT EXERCISE BOOK	\$5.00	\$5.00
538701	United States Academic Decathlon	Otay Ranch HS	11	RQ17015919	1	EA	MUSIC STUDENT EXERCISE BOOK	\$5.00	\$5.00
538702	Culver-Newlin Inc	Eastlake High School	1	RQ17016215	2	each	Planner Table Finish: Grey Nebula/Persian Blue Edge/Black Frame	\$333.60	\$667.20

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538702	Culver-Newlin Inc	Eastlake High School	2	RQ17016215	2	each	Tall Range Leg Insert (for planner table) Finish: Chrome (Table to be counter height with stools)	\$47.20	\$94.40
538702	Culver-Newlin Inc	Eastlake High School	3	RQ17016215	2	each	PLTFL - UXL 72' Crescent Table Finish: Grey Nebula/Persian Blue Edge/Black frame	\$600.00	\$1,200.00
538702	Culver-Newlin Inc	Eastlake High School	4	RQ17016215	3	each	18' Poly UXL Mobile UPH Chair on Casters Finish: Persian Blue Shell/Platinum Frame	\$216.00	\$648.00
538702	Culver-Newlin Inc	Eastlake High School	5	RQ17016215	3	each	18' Poly UXL Mobile UPH Chair on Casters Finish: Charcoal Shell/Platinum Frame	\$216.00	\$648.00
538702	Culver-Newlin Inc	Eastlake High School	6	RQ17016215	1	each	INT Eng Multi Media Table 4PWR 8USB Finish: Grey Nebula/Persian Blue Edge/Chrome frame	\$1,516.00	\$1,516.00
538702	Culver-Newlin Inc	Eastlake High School	7	RQ17016215	1	each	Large Monitor Table Mount	\$396.00	\$396.00
538702	Culver-Newlin Inc	Eastlake High School	8	RQ17016215	4	each	HON FLOCK Modular Armless Chair Finish: Whisper Vinyl Grade 2 WHisper WP83	\$849.83	\$3,399.32
538702	Culver-Newlin Inc	Eastlake High School	9	RQ17016215	1	each	HON FLOCK Modular Right End Chair Finish: Whisper Vinyl Grade 2 WHisper WP83	\$1,010.48	\$1,010.48
538702	Culver-Newlin Inc	Eastlake High School	10	RQ17016215	1	each	HON FLOCK Modular Left End Chair Finish: Whisper Vinyl Grade 2 WHisper WP83	\$1,010.48	\$1,010.48
538702	Culver-Newlin Inc	Eastlake High School	11	RQ17016215	6	each	PLATO 24' Fixed Height Stool Finish: Persian Blue Shell/Chrome Frame	\$115.20	\$691.20
538702	Culver-Newlin Inc	Eastlake High School	12	RQ17016215	5	each	PLATO 24' Fixed Height Stool Finish: Charcoal Shell/Chrome Frame	\$115.20	\$576.00
538703	School Outfitters, LLC	Eastlake High School	1	RQ17015302	2	EA	Round Heavy-Duty Picnic Table w/Diamond Expanded Metal	\$930.22	\$1,860.44
538704	Grainger, Inc.	National City Middle School	1	RQ17016480	6	EA	Delineator Post, Height 36 In, Orange Mfg Brand Name: GRAINGER APPROVED.	\$79.12	\$474.72
538704	Grainger, Inc.	National City Middle School	1	RQ17016480	1	EA	Manufacturer Part No:04-736 Delineator Post Orange, HDPE, 36 IN MFG Brand Name: CORTINA Manufacturer Part No: 04-36-OWG Carrier	\$52.00	\$52.00
538704	Grainger, Inc.	National City Middle School	1	RQ17016480	1	LOT	National City Tax Adjustment	\$2.87	\$2.87
538705	School Outfitters, LLC	Eastlake High School	1	RQ17015286	2	EA	Round Picnic Table w/Diamond Expanded Metal	\$732.23	\$1,464.46
538706	Rasix Computer Center, Inc.	Sweetwater High School	1	RQ17016323	1	ea	HP 26 Black Toner	\$82.00	\$82.00
538706	Rasix Computer Center, Inc.	Sweetwater High School	2	RQ17016323	1	ea	NC tax adj.	\$0.41	\$0.41
538707	VWR Funding, Inc.	Castle Park High School	1	RQ17016130	5	PKG	Urine Test Strip 100/pkg	\$42.46	\$212.30

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538707	VWR Funding, Inc.	Castle Park High School	3	RQ17016130	2	EA	Otoscope Set	\$138.08	\$276.16
538707	VWR Funding, Inc.	Castle Park High School	4	RQ17016130	3	EA	Vision Disk	\$39.91	\$119.73
538707	VWR Funding, Inc.	Castle Park High School	5	RQ17016130	3	EA	Two-point Aesthesiometer	\$54.27	\$162.81
538707	VWR Funding, Inc.	Castle Park High School	6	RQ17016130	1	EA	GPI Anatomicals Brain in Skull pathologies model	\$128.35	\$128.35
538707	VWR Funding, Inc.	Castle Park High School	7	RQ17016130	1	EA	3B Scientific Foot Skeleton with ligaments and muscles mo	\$301.75	\$301.75
538707	VWR Funding, Inc.	Castle Park High School	8	RQ17016130	1	EA	SOMSO Oversized Kidney model	\$369.75	\$369.75
538708	Cengage Learning	Castle Park High School	1	RQ17016351	48	ea	MILESTONES INTRO WORKBOOK	\$0.00	\$0.05
538708	Cengage Learning	Castle Park High School	2	RQ17016351	48	ea	MILESTONES A WORKBOOK	\$0.00	\$0.05
538708	Cengage Learning	Castle Park High School	3	RQ17016351	48	ea	MILESTONES B WORKBOOK	\$0.00	\$0.05
538708	Cengage Learning	Castle Park High School	4	RQ17016351	70	ea	MILESTONES C WORKBOOK	\$0.00	\$0.07
538709	Sport Supply Group, Inc.	Mar Vista High School	1	RQ17015434	8	Each	forearm shiver pad black	\$27.87	\$222.96
538709	Sport Supply Group, Inc.	Mar Vista High School	2	RQ17015434	2	Each	hex dumbell w/straight handle 45 lb	\$50.01	\$100.02
538709	Sport Supply Group, Inc.	Mar Vista High School	3	RQ17015434	2	Each	hex dumbell w/straight handle 40 lb	\$44.27	\$88.54
538709	Sport Supply Group, Inc.	Mar Vista High School	4	RQ17015434	2	Each	hex dumbell w/straight handle 35lb	\$39.35	\$78.70
538709	Sport Supply Group, Inc.	Mar Vista High School	5	RQ17015434	8	Each	fitness ropes - 2' 40' black	\$184.49	\$1,475.92
538709	Sport Supply Group, Inc.	Mar Vista High School	6	RQ17015434	2	Each	voit foam 6-1/4' dodgeball - prism pack	\$60.05	\$120.10
538709	Sport Supply Group, Inc.	Mar Vista High School	7	RQ17015434	3	Each	agility rings set of 12	\$40.99	\$122.97
538709	Sport Supply Group, Inc.	Mar Vista High School	8	RQ17015434	2	Each	BSN football bag	\$57.39	\$114.78
538709	Sport Supply Group, Inc.	Mar Vista High School	9	RQ17015434	1	Each	steelflex full commercial elliptical	\$3,219.99	\$3,219.99
538709	Sport Supply Group, Inc.	Mar Vista High School	10	RQ17015434	6	Each	SKLZ recoil 360	\$53.29	\$319.74
538709	Sport Supply Group, Inc.	Mar Vista High School	11	RQ17015434	3	Each	multi height flex hurdle	\$40.99	\$122.97
538709	Sport Supply Group, Inc.	Mar Vista High School	12	RQ17015434	4	Each	wrist roller	\$24.59	\$98.36
538709	Sport Supply Group, Inc.	Mar Vista High School	13	RQ17015434	2	Each	fixed rung agility ladder	\$36.89	\$73.78
538709	Sport Supply Group, Inc.	Mar Vista High School	14	RQ17015434	6	Each	shark tape cutter	\$16.39	\$98.34
538709	Sport Supply Group, Inc.	Mar Vista High School	15	RQ17015434	1	Each	high step agility trainer	\$204.99	\$204.99
538709	Sport Supply Group, Inc.	Mar Vista High School	16	RQ17015434	4	Each	gamebreaker soft helmet for Grn MD	\$64.39	\$257.56
538709	Sport Supply Group, Inc.	Mar Vista High School	17	RQ17015434	7	Each	gamebreaker soft helmet for Grn LG	\$64.39	\$450.73
538709	Sport Supply Group, Inc.	Mar Vista High School	18	RQ17015434	1	Each	gamebreaker soft helmet for Grn XL	\$64.39	\$64.39
538709	Sport Supply Group, Inc.	Mar Vista High School	19	RQ17015434	1	Each	pro-catch portable kicking net	\$204.99	\$204.99

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538709	Sport Supply Group, Inc.	Mar Vista High School	20	RQ17015434	3	Each	fisher tackle wheel 60' OD x 30'ID	\$505.99	\$1,517.97
538709	Sport Supply Group, Inc.	Mar Vista High School	21	RQ17015434	6	Each	fisher half rnd dummy 42x16x8 black	\$110.39	\$662.34
538709	Sport Supply Group, Inc.	Mar Vista High School	22	RQ17015434	2	Each	agility hoop	\$91.99	\$183.98
538709	Sport Supply Group, Inc.	Mar Vista High School	23	RQ17015434	1	Each	black plastic whistle dozen	\$8.19	\$8.19
538709	Sport Supply Group, Inc.	Mar Vista High School	24	RQ17015434	1	Each	whistle lanyard kelly dozen	\$8.19	\$8.19
538709	Sport Supply Group, Inc.	Mar Vista High School	25	RQ17015434	1	Each	detecto solo scale & height rod	\$459.99	\$459.99
538709	Sport Supply Group, Inc.	Mar Vista High School	26	RQ17015434	1	Each	reversible magnetic whiteboard 72' x 40'	\$349.59	\$349.59
538709	Sport Supply Group, Inc.	Mar Vista High School	27	RQ17015434	5	Each	double sided football coach's board	\$11.47	\$57.35
538709	Sport Supply Group, Inc.	Mar Vista High School	28	RQ17015434	40	Each	porthole mesh scrimmage vest	\$8.19	\$327.60
538709	Sport Supply Group, Inc.	Mar Vista High School	29	RQ17015434	6	Each	spalding alpha leather football official	\$73.79	\$442.74
538709	Sport Supply Group, Inc.	Mar Vista High School	30	RQ17015434	1	Each	pro pop up dummy 72' forest green	\$616.39	\$616.39
538709	Sport Supply Group, Inc.	Mar Vista High School	31	RQ17015434	1	Each	black maverik monster bag	\$37.00	\$37.00
538709	Sport Supply Group, Inc.	Mar Vista High School	32	RQ17015434	1	Each	power rope anchor station	\$129.99	\$129.99
538709	Sport Supply Group, Inc.	Mar Vista High School	34	RQ17015434	1	Lot	Quote Number: 2810078	\$0.00	\$0.00
538710	ASCD	Options Secondary School 1		RQ17013801	17	ea	Never Work Harder than Your Students and Other Priciples of Great Teaching ISBN # 978-1-4166-0757-1	\$22.91	\$389.47
538710	ASCD	Options Secondary School 2		RQ17013801	17	ea	Teaching with Poverty in Mind: What Being Poor Does to Kids' Brains and What Schools Can Do About it ISBN # 978-1-4166-0884-4	\$22.91	\$389.47
538710	ASCD	Options Secondary School 3		RQ17013801	17	ea	Engaging Students with Poverty in Mind: Practical Strategies for Raising Achievement ISBN # 978-1-4166-1572-9	\$22.91	\$389.47
538710	ASCD	Options Secondary School 4		RQ17013801	1	ea	Building Teachers' Capacity for Success: A Collaborative Approach for Coaches and School Leaders	\$22.46	\$22.46
538710	ASCD	Options Secondary School 5		RQ17013801	1	ea	Teach, Reflect, Learn: Building Your Capacity for Success in the Classroom	\$20.21	\$20.21
538710	ASCD	Options Secondary School 6		RQ17013801	1	ea	Building Teachers' Capacity for Success: Instructional Coaching Essentials	\$96.75	\$96.75
538711	Sundance Stage Lines, Inc.	Montgomery Middle School		RQ17016227	1	lot	Round trip from MOM to USD on May 12, 2017.	\$1,490.00	\$1,490.00
538712	Bio Company, Inc.	Olympian High School	1	RQ17016141	7	EA	14-17 Plain Fetal Pig	\$18.35	\$128.45
538713	CPM Educational Programs	Mar Vista Academy	1	RQ17016269	2	Set	Algebra Tiles, Class Set	\$106.00	\$212.00
538714	Flinn Scientific, Inc.	Bonita Vista Middle School		RQ17016140	18	ea	AP5453. Organic Small-Group Model	\$22.95	\$413.10

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538714	Flinn Scientific, Inc.	Bonita Vista Middle School	2	RQ17016140	2	ea	B0047. Bromthymol Blue Soln 0.04%	\$5.02	\$10.04
538714	Flinn Scientific, Inc.	Bonita Vista Middle School	3	RQ17016140	1	ea	FL2026 Gift certificate for \$25 (Discount)	-\$25.00	-\$25.00
538715	School Specialty, Inc.	Montgomery High School	1	RQ17016106	400	ea	PAPER NOTEBOOK 8.5 X 11	\$0.69	\$276.00
538716	School Savers	Montgomery High School	1	RQ17015872	20	ea	SOLAR CALCULATOR	\$2.99	\$59.80
538716	School Savers	Montgomery High School	2	RQ17015872	70	ea	SOLAR SCIENTIFIC	\$9.39	\$657.30
538716	School Savers	Montgomery High School	3	RQ17015872	3	pk	12 PACK CALCULATORS	\$93.48	\$280.44
538717	Carolina Biological Supply Co	Olympian High School	1	RQ17015870	2	Each	Restrict enzyme cleavage station	\$49.45	\$98.90
538717	Carolina Biological Supply Co	Olympian High School	2	RQ17015870	3	Each	Plant pigment & photosynthesis station	\$62.05	\$186.15
538717	Carolina Biological Supply Co	Olympian High School	3	RQ17015870	1	Each	Mitosis onion study cards	\$31.95	\$31.95
538717	Carolina Biological Supply Co	Olympian High School	4	RQ17015870	1	Each	Pipet, disp, sero, 1 x .01, pk50	\$16.65	\$16.65
538717	Carolina Biological Supply Co	Olympian High School	5	RQ17015870	2	Each	Rod, stirring, 5x200, pk/12	\$5.17	\$10.34
538717	Carolina Biological Supply Co	Olympian High School	6	RQ17015870	1	Each	Carolina led light box	\$161.96	\$161.96
538717	Carolina Biological Supply Co	Olympian High School	7	RQ17015870	1	Each	Rack, float microtube, bel-art	\$11.74	\$11.74
538717	Carolina Biological Supply Co	Olympian High School	8	RQ17015870	2	Each	Plug, dros vial, 173086, pk 12	\$4.45	\$8.90
538717	Carolina Biological Supply Co	Olympian High School	9	RQ17015870	1	Each	Metabolism experiment kit	\$64.76	\$64.76
538717	Carolina Biological Supply Co	Olympian High School	10	RQ17015870	1	lot	Freight & Handling	\$45.00	\$45.00
538718	Dick Blick Company	Olympian High School	1	RQ17015866	1	Each	Metallic foil paper silver 26 in x 25 ft	\$11.67	\$11.67
538718	Dick Blick Company	Olympian High School	2	RQ17015866	1	Each	Metallic foil paper red 26 in x 25 ft	\$11.67	\$11.67
538718	Dick Blick Company	Olympian High School	3	RQ17015866	1	Each	Metallic foil paper light blue 26 in x 25 ft	\$11.67	\$11.67
538718	Dick Blick Company	Olympian High School	4	RQ17015866	1	Each	Metallic foil paper gold 26 in x 25 ft	\$11.67	\$11.67
538718	Dick Blick Company	Olympian High School	5	RQ17015866	1	Each	Metallic foil paper fuchsia 26 in x 25 ft	\$11.67	\$11.67
538718	Dick Blick Company	Olympian High School	6	RQ17015866	1	Each	Taschen poster box bosch	\$13.31	\$13.31
538718	Dick Blick Company	Olympian High School	7	RQ17015866	1	Each	Taschen poster frida kahlo	\$13.31	\$13.31
538718	Dick Blick Company	Olympian High School	8	RQ17015866	1	Each	Drawing lab science 144/pg book	\$15.68	\$15.68
538718	Dick Blick Company	Olympian High School	9	RQ17015866	1	Each	Map art lab science 144/pg book	\$15.72	\$15.72
538718	Dick Blick Company	Olympian High School	10	RQ17015866	1	Each	Drawing in black/white science 144/pg book	\$15.00	\$15.00

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538718	Dick Blick Company	Olympian High School	11	RQ17015866	12	Each	Gray paper stumps sz 4 dozen zz	\$2.79	\$33.48
538718	Dick Blick Company	Olympian High School	12	RQ17015866	2	Each	Bristle magic brush cleaner gal	\$36.52	\$73.04
538718	Dick Blick Company	Olympian High School	13	RQ17015866	1	Each	Tub o towel 90 ct	\$13.81	\$13.81
538718	Dick Blick Company	Olympian High School	14	RQ17015866	50	Each	Clear acrylic panels 5 x 7 .060thk	\$1.50	\$75.00
538718	Dick Blick Company	Olympian High School	15	RQ17015866	15	Each	Wood blocks mhgny 6 x 8 dozen	\$7.23	\$108.45
538718	Dick Blick Company	Olympian High School	16	RQ17015866	4	Each	T squares 24 in wood	\$14.47	\$57.88
538718	Dick Blick Company	Olympian High School	17	RQ17015866	200	Each	Chipboard !3 22 x 28 .05 14 ply	\$0.55	\$110.00
538718	Dick Blick Company	Olympian High School	18	RQ17015866	1	Each	3 Doodler 25ct abs jungle	\$8.42	\$8.42
538718	Dick Blick Company	Olympian High School	19	RQ17015866	1	Each	3 Doodler 25ct abs polar wht	\$8.42	\$8.42
538718	Dick Blick Company	Olympian High School	20	RQ17015866	1	Each	3 Doodler 25ct abs hipster	\$8.42	\$8.42
538718	Dick Blick Company	Olympian High School	21	RQ17015866	1	Each	3 Doodler 25ct abs bohemian	\$8.42	\$8.42
538718	Dick Blick Company	Olympian High School	22	RQ17015866	1	Each	3 Doodler 25ct abs black belt	\$8.42	\$8.42
538718	Dick Blick Company	Olympian High School	23	RQ17015866	3	Each	3 Doodler nozzle set 2.0	\$16.72	\$50.16
538718	Dick Blick Company	Olympian High School	24	RQ17015866	3	Each	3 Doodler doodlestand 2.0	\$8.17	\$24.51
538718	Dick Blick Company	Olympian High School	25	RQ17015866	3	Each	3 Doodler create pen	\$98.99	\$296.97
538718	Dick Blick Company	Olympian High School	26	RQ17015866	6	Each	Blickrylic vlt 64 oz	\$11.23	\$67.38
538718	Dick Blick Company	Olympian High School	27	RQ17015866	6	Each	Blickrylic phthlo grn 640z	\$11.23	\$67.38
538718	Dick Blick Company	Olympian High School	28	RQ17015866	6	Each	Blickrylic fire red 64oz	\$11.23	\$67.38
538718	Dick Blick Company	Olympian High School	29	RQ17015866	6	Each	Blickrylic chrme org 64oz	\$11.23	\$67.38
538718	Dick Blick Company	Olympian High School	30	RQ17015866	24	Each	Dura tote w/handle blk 20 x 26	\$8.05	\$193.20
538718	Dick Blick Company	Olympian High School	31	RQ17015866	5	Each	Easy tack repostnbl !h adhesive 10.5 oz	\$5.88	\$29.40
538718	Dick Blick Company	Olympian High School	32	RQ17015866	6	Each	Blickrylic wht titnm 640z	\$11.23	\$67.38
538718	Dick Blick Company	Olympian High School	33	RQ17015866	6	Each	Blickrylic mars blk 64 oz	\$11.23	\$67.38
538718	Dick Blick Company	Olympian High School	34	RQ17015866	4	Each	Crayola clr pencil clspk bx/462	\$58.66	\$234.64
538718	Dick Blick Company	Olympian High School	35	RQ17015866	6	Each	Blickrylic phthlo blu 64 oz	\$11.23	\$67.38
538718	Dick Blick Company	Olympian High School	36	RQ17015866	6	Each	Blickrylic chrme ylw 64 oz	\$11.23	\$67.38
538718	Dick Blick Company	Olympian High School	37	RQ17015866	6	Each	Blickrylic brt red 64 oz	\$11.23	\$67.38
538718	Dick Blick Company	Olympian High School	38	RQ17015866	2	Each	Hann craft caddy !d ntrl maple w/birch	\$136.56	\$273.12
538719	Markerboard People, Inc. (The)	Montgomery High School	1	RQ17015821	5	ea	36 9'X12' DOUBLE-SIDED BLANK BOARDS	\$90.00	\$450.00

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538719	Markerboard People, Inc. (The)	Montgomery High School	2	RQ17015821	5	ea	\$30 OFF EACH 30 OR 36 PACK OF DRY ERASE BOARDS	-\$30.00	-\$150.00
538720	Smart & Final Stores Corporation	State & Federal Programs	1	RQ17015754	1	lot	Purchase of healthy snacks, water, coffee supplies and disposable serving ware for DPAC parent meetings on May 10, 2017.	\$100.00	\$100.00
538721	Royal Lines Charters, LLC	Chula Vista High School	1	RQ17016020	1	lot	Transportation to four university visits to CSU San Marcos, UC San Diego, USD and SDSU on Monday, May 8th, 2017 departure 7:30am, dropoff 4:00pm	\$902.00	\$902.00
538722	Rasix Computer Center, Inc.	Chula Vista High School	1	RQ17015974	3	Each	HP 643A Black original laserjet toner cartridge for 4700 HP #Q5950A	\$149.00	\$447.00
538722	Rasix Computer Center, Inc.	Chula Vista High School	2	RQ17015974	3	Each	HP 643A Cyan original laserjet toner cartridge for 4700 HP #Q5951A	\$150.00	\$450.00
538722	Rasix Computer Center, Inc.	Chula Vista High School	3	RQ17015974	3	Each	HP 643A Yellow original laserjet toner cartridge for 4700 HP #Q5952A	\$100.00	\$300.00
538722	Rasix Computer Center, Inc.	Chula Vista High School	4	RQ17015974	3	Each	HP 643A Magenta original laserjet toner cartridge for 4700 HP #Q5953A	\$100.00	\$300.00
538723	Rasix Computer Center, Inc.	Montgomery High School	1	RQ17016204	10	ea	BLACK TONER CARTRIDGE	\$125.00	\$1,250.00
538723	Rasix Computer Center, Inc.	Montgomery High School	2	RQ17016204	4	ea	BLACK TONER CARTRIDGE	\$123.00	\$492.00
538723	Rasix Computer Center, Inc.	Montgomery High School	3	RQ17016204	6	ea	BLACK TONER CARTRIDGE	\$117.00	\$702.00
538724	Rasix Computer Center, Inc.	Chula Vista High School	1	RQ17016295	2	Each	HP 649X Black toner cartridge HP#CE260X	\$170.00	\$340.00
538724	Rasix Computer Center, Inc.	Chula Vista High School	2	RQ17016295	2	Each	HP 648A Cyan print cartridge HP#CE261A	\$205.00	\$410.00
538724	Rasix Computer Center, Inc.	Chula Vista High School	3	RQ17016295	2	Each	HP 648A Yellow print cartridge HP#CE262A	\$205.00	\$410.00
538724	Rasix Computer Center, Inc.	Chula Vista High School	4	RQ17016295	2	Each	HP 648A Magenta print cartridge HP#CE263A	\$205.00	\$410.00
538725	Rasix Computer Center, Inc.	Chula Vista High School	1	RQ17016457	3	Each	HP 508X High Yield Black Original Toner cartridge HP#CF360X	\$148.00	\$444.00
538725	Rasix Computer Center, Inc.	Chula Vista High School	2	RQ17016457	3	Each	HP 508X High Yield Black Original Toner cartridge HP#CF361X	\$205.00	\$615.00
538725	Rasix Computer Center, Inc.	Chula Vista High School	3	RQ17016457	3	Each	HP 508X High Yield Black Original Toner cartridge HP#CF362X	\$205.00	\$615.00
538725	Rasix Computer Center, Inc.	Chula Vista High School	4	RQ17016457	3	Each	HP 508X High Yield Black Original Toner cartridge HP#CF363X	\$205.00	\$615.00
538726	Rasix Computer Center, Inc.	Chula Vista High School	1	RQ17016385	3	Each	HP 64X Black high yield toner cartridge HP#CC364X	\$215.00	\$645.00

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538727	El Tapatio Restaurant Inc.	Sweetwater High School	1	RQ17014372	500	ea	Appetizers, mini burritos (asada or pollo) mini quesadillas, mini empanadas, mini roll tacos, chips & salsa, iced tea & lemonade Buffet set up and attended	\$8.95	\$4,475.00
538727	El Tapatio Restaurant Inc.	Sweetwater High School	2	RQ17014372	2	ea	NC tax adj.	\$90.00	\$180.00
538727	El Tapatio Restaurant Inc.	Sweetwater High School	3	RQ17014372	1	ea	Taste of Italy: Chicken parmesan & lasagna, grilled veggies, salad, sodas and cookies. Set up fee	\$34.91	\$34.91
538728	El Tapatio Restaurant Inc.	Sweetwater High School	1	RQ17015817	100	ea	Sale Tax	\$10.25	\$1,025.00
538728	El Tapatio Restaurant Inc.	Sweetwater High School	2	RQ17015817	1	ea	Picnic: Summer Fiesta Mexicana. Menu: Carne asada and pollo asado (grilled onsite), 8 oz in combination of meats, rice and beans. Accompanied with guacamole, onions, cilantro, 4 salsas, radishes, green onions, chiles toreados and chips. Includes drinks/sodas and cookies. Fully disposable ware: plates, utensils and napkins. Set up fee	\$60.00	\$60.00
538728	El Tapatio Restaurant Inc.	Sweetwater High School	3	RQ17015817	1	ea		\$5.43	\$5.43
538729	El Tapatio Restaurant Inc.	Hilltop High School	1	RQ17015581	150	ea	18' fruit tray	\$10.25	\$1,537.50
538729	El Tapatio Restaurant Inc.	Hilltop High School	2	RQ17015581	2	ea	18' cheese & misc. cracker tray	\$65.00	\$130.00
538730	El Tapatio Restaurant Inc.	Special Services	1	RQ17015334	1	ea	Delivery Fee	\$42.95	\$42.95
538730	El Tapatio Restaurant Inc.	Special Services	2	RQ17015334	1	ea		\$72.95	\$72.95
538730	El Tapatio Restaurant Inc.	Special Services	3	RQ17015334	1	ea		\$25.00	\$25.00
538731	El Tapatio Restaurant Inc.	National City Middle School	1	RQ17010652	130	ea	Picnic: Summer Menu: Fiesta Mexicana. Fiesta Mexicana Menu: Main Entree: Carne Asada and Pollo Asado (Grilled Onside), 3 tacos per guest. Rice and Beans Accompanied with: Guacamole, Onions, Cilantro, 4 Salsas, Radishes, Green Onions, Chiles Toreados, Mulitas and Ships. Assorted sodas, cookies, Tortillas made onsite, Fully Disposable ware: Plates, Utensils, Napkins. Minimum service 50 quest.	\$10.25	\$1,332.50
538731	El Tapatio Restaurant Inc.	National City Middle School	1	RQ17010652	1	ea	National City Sales Tax Adjustment 8.75%	\$6.66	\$6.66

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538732	Royal Lines Charters, LLC	CTE (formerly ROP)	1	RQ17015752	1	lot	Round Trip Charter Service for NCM AVID Students to attend college trip to Ruben H. Fleet Science Center, San Diego. Scheduled for 5/18/2017.	\$732.50	\$732.50
538733	Datel Systems Inc.	East Hills Academy	1	RQ17015545	11	each	HDMI to VGA Apple TV AirPlay Mirroring for VGA Projectors (Kanex ATVPRO)	\$25.00	\$275.00
538734	School Savers	Montgomery High School	1	RQ17016445	2		NSPIRE TEACHER SOFTWARE	\$126.49	\$252.98
538736	Ryonet Corporation	Central Receiving	1	RQ17016221	1	Each	Riley hopkins jr bench mount 6 color 2 station screen printing press	\$1,699.99	\$1,699.99
538736	Ryonet Corporation	Central Receiving	2	RQ17016221	1	Each	Ryoflash dryer 16x16 120v	\$399.99	\$399.99
538736	Ryonet Corporation	Central Receiving	3	RQ17016221	1	Each	20 x 24' analog new 2016 sheet metal aluminum exposure unit-no lid	\$399.99	\$399.99
538736	Ryonet Corporation	Central Receiving	4	RQ17016221	1	Each	16' dual edge scoop coater - with stainless steel screw fastened end caps	\$24.99	\$24.99
538736	Ryonet Corporation	Central Receiving	5	RQ17016221	1	Each	Premium rite film 8.5 x 14 50pk made in the usa	\$39.99	\$39.99
538736	Ryonet Corporation	Central Receiving	6	RQ17016221	2	Each	10 ultimate cleanup cards - sample pack	\$1.99	\$3.98
538736	Ryonet Corporation	Central Receiving	7	RQ17016221	1	Each	14'x16' black test pellow 25 pack	\$11.99	\$11.99
538736	Ryonet Corporation	Central Receiving	8	RQ17016221	1	Each	14' x 16' white test pellow 25 pack	\$11.99	\$11.99
538736	Ryonet Corporation	Central Receiving	9	RQ17016221	3	Each	8' 70 durometer squeegee	\$13.71	\$41.13
538736	Ryonet Corporation	Central Receiving	10	RQ17016221	3	Each	12' 70 durometer squeegee	\$17.63	\$52.89
538736	Ryonet Corporation	Central Receiving	11	RQ17016221	1	Each	2' x 36yd Ryonet green screen blackout tape	\$5.99	\$5.99
538736	Ryonet Corporation	Central Receiving	12	RQ17016221	6	Each	Aluminum 20x24' OD 156 white screen	\$22.79	\$136.74
538736	Ryonet Corporation	Central Receiving	13	RQ17016221	1	Each	Wilflex epic lava low bleed white plastisol ink quart	\$29.09	\$29.09
538736	Ryonet Corporation	Central Receiving	14	RQ17016221	1	Each	Wilflex epic lava scarlet plastisol ink Qt	\$38.79	\$38.79
538736	Ryonet Corporation	Central Receiving	15	RQ17016221	1	Each	Wilflex epic lava lemon plastisol ink quart	\$34.91	\$34.91
538736	Ryonet Corporation	Central Receiving	16	RQ17016221	1	Each	Green galaxy warp drive WB low cure additive 2oz	\$19.39	\$19.39
538736	Ryonet Corporation	Central Receiving	17	RQ17016221	1	Each	Green galaxy pitch black WB quart	\$26.18	\$26.18
538736	Ryonet Corporation	Central Receiving	18	RQ17016221	1	Each	Green galaxy neptune blue WB quart	\$26.18	\$26.18
538736	Ryonet Corporation	Central Receiving	19	RQ17016221	1	Each	Green galaxy martian green WB quart	\$26.18	\$26.18
538736	Ryonet Corporation	Central Receiving	20	RQ17016221	1	Kit	Water based chemical kit	\$99.99	\$99.99
538736	Ryonet Corporation	Central Receiving	21	RQ17016221	1	Each	Sgreen adhesive pint	\$13.99	\$13.99
538736	Ryonet Corporation	Central Receiving	22	RQ17016221	1	Each	Sgreen supreme wash quart	\$14.99	\$14.99
538736	Ryonet Corporation	Central Receiving	23	RQ17016221	6	Each	Green goop scoop	\$2.49	\$14.94

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538736	Ryonet Corporation	Central Receiving	24	RQ17016221	1	Each	2' tadpole screen tape cutter	\$6.99	\$6.99
538736	Ryonet Corporation	Central Receiving	25	RQ17016221	1	Lot	Discount: \$178.89	-\$178.89	-\$178.89
538737	Kagan Publishing, Inc.	Montgomery High School	1	RQ17016194	1		SmartCard: Win-Win Discipline, The Building Blocks	\$4.00	\$4.00
538737	Kagan Publishing, Inc.	Montgomery High School	2	RQ17016194	1		SmartCard: Win-Win Discipline, Preventative Procedures for the 7 Positions	\$4.00	\$4.00
538737	Kagan Publishing, Inc.	Montgomery High School	3	RQ17016194	1		SmartCard: Win-Win Discipline, Strategies for Responding to the 7 Positions	\$4.00	\$4.00
538737	Kagan Publishing, Inc.	Montgomery High School	4	RQ17016194	1		SmartCard: Classroom Management, Class Meetings	\$4.00	\$4.00
538737	Kagan Publishing, Inc.	Montgomery High School	5	RQ17016194	1		SmartCard: Classroom Management, Classroom Signals	\$4.00	\$4.00
538737	Kagan Publishing, Inc.	Montgomery High School	6	RQ17016194	1		SmartCard: Classroom Management, Student Jobs	\$4.00	\$4.00
538737	Kagan Publishing, Inc.	Montgomery High School	7	RQ17016194	1		SmartCard: Classroom Management, Cooperative Learning	\$4.00	\$4.00
538737	Kagan Publishing, Inc.	Montgomery High School	8	RQ17016194	1		SmartCard: Classroom Management, Cooperative Roles	\$4.00	\$4.00
538737	Kagan Publishing, Inc.	Montgomery High School	9	RQ17016194	1		SmartCard: Classroom Management, Daily Routines	\$4.00	\$4.00
538738	IVS Computer Technology	San Ysidro High School	1	RQ17016170	21	Ea	SMART Learning Suite, 1 year subscription	\$37.35	\$784.35
538739	CDW Government, Inc.	Castle Park Middle School	1	RQ17016129	4	ea	CDW# 2191311, Epson ELPLP58 - projector lamp, Mfg. Part # V13H010L58	\$178.88	\$715.52
538739	CDW Government, Inc.	Castle Park Middle School	2	RQ17016129	4	ea	CDW# 3605215, Epson PowerLite S27 3LCD Projector. Mfg. Part# V11H694020	\$396.90	\$1,587.60
538739	CDW Government, Inc.	Castle Park Middle School	3	RQ17016129	4	ea	CDW# 3605216, Epson ELPLP88 Replacement Projector Lamp / Bulb for PowerLite S27	\$72.00	\$288.00
538740	VILROS	Hilltop Middle School	1	RQ17016093	14	ea	Item #ARD_KIT_22 Arduino Uno Ultimate Starter Kit + LCD Module.	\$48.59	\$680.26
538741	Golden Star Technology, Inc.	Central Receiving	1	RQ17016083	2		HP LaserJet M604n Laser Printer - Monochrome - 1200 x 1200 dpi Print - Plain Paper Print - Desktop- 52 ppm Mono Print - 600 sheets Standard Input Capacity - 175000 Duty Cycle - Ethernet - USB	\$524.27	\$1,048.54
538742	Hyphenet, Inc.	Montgomery High School	1	RQ17016404	55		HP LaserJet Pro M203dw	\$155.00	\$8,525.00
538743	Hyphenet, Inc.	Montgomery High School	1	RQ17016387	10	ea	HP LaserJet Pro M203dw	\$155.00	\$1,550.00
538744	Broadway Typewriter Company Inc	Central Receiving	1	RQ17016149	1	ea	HP Probook 450 G4 Notebook PC, includes Comutrace 3yr, Custom Imaging, 3yr HP NBD Onsite warranty	\$822.00	\$822.00

Purchase Order Listing Detail

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538744	Broadway Typewriter Company Inc	Central Receiving	2	RQ17016149	1	ea	CA Recicling Fee	\$6.00	\$6.00
538745	La Class Transportation	Curriculum	1	RQ17016563	1	lot	Charter needed on Friday May 5, 2017 - Departure: 7:00 AM? @ Mar Vista High School; Arrival: 8:30 AM @ UCSD Price Center; Transfer: 1:00 PM UCSD Price Center to Scripps Birch Aquarium. Departure: 3:00 PM; Scripps Birch Aquarium Arrival: 4:15? @ Mar Vista High School	\$900.00	\$900.00
538746	El Tapatio Restaurant Inc.	Montgomery High School	1	RQ17015785	94	ea	CONTINENTAL BREAKFAST: Assorted Croissants, muffins, danish and bear claws, seasonal fruit, bev. station with coffee & OJ Set UP fee	\$5.50	\$517.00
538746	El Tapatio Restaurant Inc.	Montgomery High School	2	RQ17015785	1	ea		\$65.00	\$65.00
538746	El Tapatio Restaurant Inc.	Montgomery High School	3	RQ17015785	1	ea	Tax Adjustment	\$2.91	\$2.91
538747	El Tapatio Restaurant Inc.	Professional Development	1	RQ17016583	30	ea	Misc: Chicken Fajitas & Cheese Enchiladas w/ rice & beans, chips & salsa, salad, cookies, assorted sodas	\$10.50	\$315.00
538747	El Tapatio Restaurant Inc.	Professional Development	2	RQ17016583	1	ea	Delivery Fee	\$25.00	\$25.00
538748	El Tapatio Restaurant Inc.	Sweetwater High School	1	RQ17016139	150	ea	Breakfast will include: Scrambled eggs topped with cheese. French Toast or pancakes, butter grilled potatoes, fruit.	\$6.00	\$900.00
538748	El Tapatio Restaurant Inc.	Sweetwater High School	3	RQ17016139	1	ea	National City Sales Tax Adjustment 8.75%	\$4.50	\$4.50
538749	Smart & Final Stores Corporation	Montgomery High School	1	RQ17016356	1	lot	Healthy snacks for EL Recalssification Ceremony on 05/16/17 to be purchased by Patricia Karlin/y/Yazmin Boyd no later than 5/16/17.	\$200.00	\$200.00
538750	Herrera, Alberto C.	Compact For Success	1	RQ17016695	25	ea	GILDAN T- SHIRTS W/LOGO (WHITE) 12M,13L	\$4.00	\$100.00
538751	Troxell Communications, Inc.	Palomar High School	1	RQ17016028	20	ea	Adjustable headband, Rugged ABS plastic, Permanently attached 5.5ꝓ straight cord with reinforced ꝓstrainꝓ relief connection, Single 3.5mm To Go plug connects with smartphones, tablets, computers, Chromebooks, computers or a jackbox, Flexible electret microphone, Ambient noise-reducing earcups	\$10.57	\$211.40
538752	Robert Bosch Tool corp	Montgomery Middle School	1	RQ17015847	2	EA	DF50-01 - FILAMENT - SILVER SPOON, MODEL #6153D50AA	\$29.99	\$59.98

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538752	Robert Bosch Tool corp	Montgomery Middle School		RQ17015847	2	EA	DR51-01 - FILAMENT - GOLD MEDAL, MODEL #6153D51AA	\$29.99	\$59.98
538752	Robert Bosch Tool corp	Montgomery Middle School		RQ17015847	2	EA	DF70-01 - FILAMENT - NATURAL WHITE TRANSLUCENT, MODEL #6153D70AA	\$29.99	\$59.98
538752	Robert Bosch Tool corp	Montgomery Middle School		RQ17015847	2	EA	DF02-01 - FILAMENT - DEEP BLACK, MODEL #6153D02AA	\$29.99	\$59.98
538752	Robert Bosch Tool corp	Montgomery Middle School		RQ17015847	1	LOT	\$6 DISCOUNT PER ITEM ON ITEMS 1-4	-\$24.00	-\$24.00
538752	Robert Bosch Tool corp	Montgomery Middle School		RQ17015847	5	EA	BT20-01 - BUILD TAPE (3 PACK), BLACK - 3D20 ONLY, MODEL #6153DBTAA	\$29.99	\$149.95
538752	Robert Bosch Tool corp	Montgomery Middle School		RQ17015847	1	EA	DISCOUNT ON ITEM 26153DBTAA (ITEM #6)	-\$14.99	-\$14.99
538753	Lightwerks Communications Systems, Inc.	San Ysidro High School	1	RQ17016168	8	Ea	Smart Assembly Pen, Podium	\$125.00	\$1,000.00
538754	Presentation Products, Inc.	Olympian High School	1	RQ17016577	2	ea	24' x 300' Dual-Sided Laminate for ProFinish 24' Cold Laminating System	\$279.95	\$559.90
538755	Rasix Computer Center, Inc.	Hilltop Middle School	1	RQ17016548	2	each	HP 64X Black High Yield Toner Cartridge HP# CC364X	\$215.00	\$430.00
538756	Tree House, Inc. (The)	Hilltop High School	1	RQ17015629	1	Ea	HP 648A Cyan Print Cartridge #CE261A - COMPATIBLE	\$35.50	\$35.50
538756	Tree House, Inc. (The)	Hilltop High School	2	RQ17015629	1	Ea	HP 648 A Yellow Print Cartridge #CE262A - COMPATIBLE	\$35.50	\$35.50
538757	Rasix Computer Center, Inc.	Chula Vista High School	1	RQ17015647	3	Each	HP 649X Back toner cartridge HP#CE260X	\$170.00	\$510.00
538757	Rasix Computer Center, Inc.	Chula Vista High School	2	RQ17015647	3	Each	HP 648A Cyan print cartridge HP#CE261A	\$205.00	\$615.00
538757	Rasix Computer Center, Inc.	Chula Vista High School	3	RQ17015647	3	Each	HP 648A Yellow print cartridge HP#CE262A	\$205.00	\$615.00
538757	Rasix Computer Center, Inc.	Chula Vista High School	4	RQ17015647	3	Each	HP 648A Magenta print cartridge HP#CE263A	\$205.00	\$615.00
538758	Rasix Computer Center, Inc.	Chula Vista High School	1	RQ17015654	3	Each	HP 64X Black high yield toner HP#CC364X	\$215.00	\$645.00
538759	Royal Lines Charters, LLC	Eastlake Middle School	1	RQ17016890	1	Lot	(1) Charter Bus transporting students from Eastlake Middle School to Petco Park, San diego. May 4, 2017	\$780.00	\$780.00
538760	Rasix Computer Center, Inc.	Granger Junior High School		RQ17016485	1	EA	HP 80A Black print cartridge for HP LaserJet Pro 400 series.HP #CF280A-NO SUBSTITUTE.	\$76.00	\$76.00
538760	Rasix Computer Center, Inc.	Granger Junior High School		RQ17016485	1	EA	HP 05X Black toner cartridge for HP LaserJet P2035 and 2055 series printers.HP #CE505X-NO SUBSTITUTES.	\$115.00	\$115.00

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538760	Rasix Computer Center, Inc.	Granger Junior High School	3	RQ17016485	2	EA	TONER, 3317328, B1260DN, HY, BK - (NON BID PRICING PER JEFFREY KOZMA)	\$82.50	\$165.00
538760	Rasix Computer Center, Inc.	Granger Junior High School	4	RQ17016485	1	EA	National City Sales Tax Adjustment 8.75%	\$1.78	\$1.78
538761	Datel Systems Inc.	Hilltop Middle School	1	RQ17016296	2	ea	Item # 43865719, OKI Cyan Toner Cartridge (6,000 Yield)	\$119.50	\$239.00
538761	Datel Systems Inc.	Hilltop Middle School	2	RQ17016296	2	ea	Item# 43865718, OKI Magenta Toner Cartridge (6,000 Yield)	\$119.50	\$239.00
538761	Datel Systems Inc.	Hilltop Middle School	3	RQ17016296	2	ea	Item #43865717, OKI Yellow Toner Cartridge (6,000 Yield)	\$119.50	\$239.00
538761	Datel Systems Inc.	Hilltop Middle School	4	RQ17016296	2	ea	Item# 43865720, OKI Black Toner Cartridge (8,000 Yield)	\$68.50	\$137.00
538761	Datel Systems Inc.	Hilltop Middle School	5	RQ17016296	1	ea	Item# 43381720, OKI Black Image Drum (20,000 Yield)	\$46.86	\$46.86
538762	Scholastic Inc.	Sweetwater High School	1	RQ17016211	36	ea	Subscription renewal of Junior Scholastic magazine. Including teachers guide.	\$8.49	\$305.64
538763	VEX Robotics, Inc.	Olympian High School	1	RQ17014225	1	Each	Booster kit	\$179.99	\$179.99
538763	VEX Robotics, Inc.	Olympian High School	2	RQ17014225	13	Each	2-wire motor 393	\$14.99	\$194.87
538763	VEX Robotics, Inc.	Olympian High School	3	RQ17014225	14	Each	Motor controller 29	\$9.99	\$139.86
538763	VEX Robotics, Inc.	Olympian High School	4	RQ17014225	2	Each	VRC license plate kit	\$4.99	\$9.98
538763	VEX Robotics, Inc.	Olympian High School	5	RQ17014225	1	Each	Performance tool kit	\$39.99	\$39.99
538763	VEX Robotics, Inc.	Olympian High School	6	RQ17014225	1	Each	VEX ARM Cortex based microcontroller	\$249.99	\$249.99
538763	VEX Robotics, Inc.	Olympian High School	7	RQ17014225	2	Each	AAA NiMH rechargeable battery (6-pack)	\$12.99	\$25.98
538763	VEX Robotics, Inc.	Olympian High School	8	RQ17014225	1	Each	8-Bay AA/AAA Smart battery charger	\$24.99	\$24.99
538763	VEX Robotics, Inc.	Olympian High School	9	RQ17014225	1	Each	Smart charger v2	\$16.99	\$16.99
538763	VEX Robotics, Inc.	Olympian High School	10	RQ17014225	1	Each	Battery clip (4-pack)	\$4.99	\$4.99
538763	VEX Robotics, Inc.	Olympian High School	11	RQ17014225	2	Each	Wheel kit	\$9.99	\$19.98
538763	VEX Robotics, Inc.	Olympian High School	12	RQ17014225	2	Each	VEXnet backup battery holder	\$9.99	\$19.98
538763	VEX Robotics, Inc.	Olympian High School	13	RQ17014225	2	Each	VEXnet key 2.0	\$39.99	\$79.98
538764	Scholastic Inc.	Sweetwater High School	1	RQ17016218	20	ea	Subscription of THE NEW YORK TIMES UP FRONT MAGAZINE (includes Teachers guide)	\$9.99	\$199.80
538764	Scholastic Inc.	Sweetwater High School	2	RQ17016218	20	ea	Subscription of THE NEW YORK TIMES UP FRONT MAGAZINE (includes Teachers guide)	\$9.99	\$199.80
538765	Office Depot	Equity Culture & Support Services	3	RQ17016465	1	lot	Office Depot Quote # 041717MS1541 for furniture and installation	\$6,750.72	\$6,750.72

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538766	Aristotle Corporation	East Hills Academy	1	RQ17015513	1	each	Math in Foods Curriculum	\$44.96	\$44.96
538766	Aristotle Corporation	East Hills Academy	2	RQ17015513	1	each	Food Label Math Table-50 sheets	\$14.40	\$14.40
538766	Aristotle Corporation	East Hills Academy	3	RQ17015513	1	each	Jumbo Tongue Blades-Box of 500	\$5.73	\$5.73
538766	Aristotle Corporation	East Hills Academy	4	RQ17015513	1	each	Everyday Math in Foods DVD	\$44.96	\$44.96
538767	Technology Education Concepts, Inc	Montgomery High School	1	RQ17016267	2	ea	SENSE 3D SCANNER	\$399.00	\$798.00
538768	BrainPOPLLC	Granger Junior High School	1	RQ17015746	1	LOT	BrainPOP School and Home Access for 12 months.	\$1,795.00	\$1,795.00
538769	PESI, Inc.	Eastlake Middle School	1	RQ17016556	1	ea	Registration fee for Dalila Espinoza to Suicide Self-Harm Stopping the Pain, at San Diego, CA, May 5, 2017.	\$119.99	\$119.99
538770	Avid Center	CTE (formerly ROP)	2	RQ17015250	2	ea	For HTH TEACHER REG IDs: 474940-Louise Williamson, 4074942-Sarah Young	\$760.00	\$1,520.00
538770	Avid Center	CTE (formerly ROP)	3	RQ17015250	1	EA	For HTH ADMIN REG IDs: 474937-Thomas Gray	\$760.00	\$760.00
538771	Avid Center	CTE (formerly ROP)	2	RQ17015249	3	ea	For SOM TEACHER TBA REG IDs: 483768-Adriana Gonzalez-Carillo, 483772-Moises Marroquin, 483774-Alvaro Medrano	\$760.00	\$2,280.00
538772	Latino Family Literacy Project (The)	Montgomery High School	1	RQ17015782	1	ea	Registration for Yazmin Boyd to attend Middle/High School Webinar on 7/27/17. Program 4 curriculum binder shipping 5/24/17	\$200.00	\$200.00
538773	Great Books Foundation (The)	San Ysidro High School	1	RQ17016238	2	Ea	Her Own Accord: American Women on Identity, Culture, and Community	\$24.95	\$49.90
538773	Great Books Foundation (The)	San Ysidro High School	2	RQ17016238	2	Ea	CounterParts	\$24.95	\$49.90
538773	Great Books Foundation (The)	San Ysidro High School	3	RQ17016238	1	Ea	Immigrant Voices: 21st Century Stories	\$19.95	\$19.95
538773	Great Books Foundation (The)	San Ysidro High School	4	RQ17016238	2	Ea	Citizens of the World: Readings in Human Rights, Expanded Edition	\$29.95	\$59.90
538774	Follett School Solutions, Inc.	Southwest High School	1	RQ17016078	1	lot	78 Pre-selected AR books (123 books total) for Titlewave Quote ID 9157920	\$2,685.17	\$2,685.17
538774	Follett School Solutions, Inc.	Southwest High School	2	RQ17016078	1	lot	Cataloging & processing	\$79.35	\$79.35
538775	Prophet Corporation (The)	Southwest Middle School	1	RQ17015972	3	ea	Hamilton Buhl Rechargeable Bluetooth Speaker - Unit	\$53.95	\$161.85
538776	Prophet Corporation (The)	Olympian High School	1	RQ17016146	6	EA	Gopher Pro Team Handballs - Womens	\$23.35	\$140.10
538776	Prophet Corporation (The)	Olympian High School	2	RQ17016146	6	EA	Gopher Pro Team Handballs - Mens	\$24.25	\$145.50

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538777	B&H Photo	Special Services	1	RQ17015849	1	ea	Dakota Alert UTDCR-2500 Door Entry Transmitter & Receiver Kit, B&H #	\$73.49	\$73.49
538778	Sport Supply Group, Inc.	Mar Vista High School	1	RQ17016195	1	DZ	DADKUTDR2500 iMFR # UTDCR-2500 MAC BLACK PLASTIC WHISTLE DOZEN	\$3.99	\$3.99
538778	Sport Supply Group, Inc.	Mar Vista High School	2	RQ17016195	1	DZ	WHISTLE LANYARD GOLD DZ	\$4.99	\$4.99
538778	Sport Supply Group, Inc.	Mar Vista High School	3	RQ17016195	2	PK	INFLATING NEEDLES 6/PK	\$0.99	\$1.98
538778	Sport Supply Group, Inc.	Mar Vista High School	4	RQ17016195	4	EA	VOIT RUBBER VOLLEYBALL	\$3.99	\$15.96
538778	Sport Supply Group, Inc.	Mar Vista High School	5	RQ17016195	2	EA	OSHA 25 PERSON FIRST AID KIT	\$16.99	\$33.98
538779	Treatment Innovations	Equity Culture & Support Services	1	RQ17015163	2	ea	Wall Poster of Safe Coping Skills with Scenic Background (English) 24 wide x 30 length	\$18.50	\$37.00
538779	Treatment Innovations	Equity Culture & Support Services	2	RQ17015163	2	ea	Wall Poster of Safe Coping Skills with Scenic Background (Spanish) 24 wide x 30 length	\$18.50	\$37.00
538780	Scantron Corporation	Otay Ranch HS	1	RQ17017236	10	pk	882E Scantrons	\$61.20	\$612.00
538780	Scantron Corporation	Otay Ranch HS	2	RQ17017236	10	pk	Scantron 50 question	\$59.36	\$593.60
538781	ABDO Publishing	Bonita Vista High School	1	RQ17016642	1	set	'Special Reports Set 1 (Anywhere eBook)	\$319.00	\$319.00
538781	ABDO Publishing	Bonita Vista High School	2	RQ17016642	1	set	Special Reports Set 1 (E108-V) (8) Special Reports Set 1 -Special Reports Set 1 (6897-6) (8). Print books and QR code provided free with purchase of ebook set.	\$0.00	\$0.00
538781	ABDO Publishing	Bonita Vista High School	3	RQ17016642	1	set	Special Reports Set 2 (Anywhere eBook)	\$319.00	\$319.00
538781	ABDO Publishing	Bonita Vista High School	4	RQ17016642	1	set	Special Reports Set 2 (E745-R) (8) Special Reports Set 2 Special Reports Set 2 (7392-6) (8). Print books and QR codes provided free with purchase of ebook set.	\$0.00	\$0.00
538782	Flaghouse, Inc.	Otay Ranch HS	1	RQ17016225	1	ea	Skillastics Bilingual AL 1/2 Pint	\$120.00	\$120.00
538783	Prophet Corporation (The)	Mar Vista Academy	1	RQ17015271	20	ea	61-755, Tachikara SV18S - Composite Volleyball, White	\$32.95	\$659.00
538783	Prophet Corporation (The)	Mar Vista Academy	2	RQ17015271	6	ea	60-517, Miksasa VXL30	\$23.95	\$143.70
538783	Prophet Corporation (The)	Mar Vista Academy	3	RQ17015271	1	ea	SpikePro Volleyball System	\$349.00	\$349.00
538783	Prophet Corporation (The)	Mar Vista Academy	4	RQ17015271	1	ea	Deluxe Electric Inflator	\$155.00	\$155.00
538783	Prophet Corporation (The)	Mar Vista Academy	5	RQ17015271	1	ea	Instructor Inflation Needle Set - Set of 300	\$79.95	\$79.95
538783	Prophet Corporation (The)	Mar Vista Academy	6	RQ17015271	15	ea	DigShield Knee Pads - Black	\$12.95	\$194.25

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538784	Dell Marketing LP	Central Receiving	1	RQ17016365	1	each	Dell 22 Monitor - P2217H, 3 year warranty	\$152.49	\$152.49
538784	Dell Marketing LP	Central Receiving	2	RQ17016365	1	each	CA Electronic Waste Recycling Fee - Non Taxable	\$6.00	\$6.00
538785	Royal Lines Charters, LLC	Otay Ranch HS	1	RQ17016282	1	lot	Charter needed to take SEI Cluster English class from ORHS to the Loew's Resort in Coronado and back to ORHS on May 4, 2017.	\$530.00	\$530.00
538786	Educational Testing Services	Chula Vista Adult School	1	RQ17016207	89	EA	HISSET COMPUTER BASED STATE FEE	\$20.00	\$1,780.00
538786	Educational Testing Services	Chula Vista Adult School	2	RQ17016207	339	EA	HISSET COMPUTER BASED SUBTEST FEE	\$10.00	\$3,390.00
538786	Educational Testing Services	Chula Vista Adult School	3	RQ17016207	21	EA	HISSET PAPER BASED STATE FEE	\$20.00	\$420.00
538786	Educational Testing Services	Chula Vista Adult School	4	RQ17016207	78	EA	HISSET PAPER BASED SUBTEST FEE	\$10.00	\$780.00
538787	Youth Development Network	Sweetwater High School	1	RQ17015982	10	ea	Registration fee Roseanita Hernandez, Alicia Bena, Alsacia Apodaca, Ofelia Gonzalez, Nicole Kranzberg, Matthew Rowland, Jasen Camunas, Jessica Nuno, Sesha Haynes Maria Malo to attend the: Strength Base Institute Training on May 16-17, 2017	\$200.00	\$2,000.00
538787	Youth Development Network	Sweetwater High School	2	RQ17015982	1	ea	Registration fee for Paula Madrigal to attend the: Strength Base Institute Training on May 16-17, 2017	\$200.00	\$200.00
538788	Demco Inc.	San Ysidro High School	1	RQ17016287	1	Ea	Short Stories of the Civil Rights Movement	\$26.95	\$26.95
538789	Copy Link, Inc.	Risk Management	1	RQ17016862	1	lot	Labor to repair MX-5111N copier in Risk Management. Machine displays F2-43 and may require additional funding to repair-unable to determine until technician looks at the machine.	\$150.00	\$150.00
538789	Copy Link, Inc.	Risk Management	3	RQ17016862	1	lot	Change Order #1, per Accounting/billing, parts needed. 5/31/2017 DP	\$199.00	\$199.00
538790	J.R. Simplot Company	Hilltop High School	1	RQ17016655	200	lbs	Sports Turf Nitro	\$4.00	\$800.00
538790	J.R. Simplot Company	Hilltop High School	2	RQ17016655	2	2.5 gal	Ranger Pro Turf	\$48.36	\$96.72
538790	J.R. Simplot Company	Hilltop High School	3	RQ17016655	10	Yards	Amended Top Soil	\$19.75	\$197.50
538790	J.R. Simplot Company	Hilltop High School	4	RQ17016655	1		Freight(max load approx. 25 yards)	\$152.25	\$152.25
538791	Pyramid Time Systems, LLC	Eastlake High School	1	RQ17016447	1	EA	KEY SPARE 3500/4000	\$10.00	\$10.00
538792	George's Lawn Equipment	Hilltop High School	1	RQ17016657	1	1	34.66 CC Steel Line Trimmer Large	\$489.99	\$489.99

Purchase Order Listing Detail

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538793	Terra Bella Nursery, Inc.	Hilltop High School	1	RQ17016698	10	EA	5 gal. Hybrid Mr. Lincoln	\$19.98	\$199.80
538793	Terra Bella Nursery, Inc.	Hilltop High School	2	RQ17016698	1		Quote 36710 dated 5/1/2017	\$0.00	\$0.00
538793	Terra Bella Nursery, Inc.	Hilltop High School	3	RQ17016698	1		Dr. Gray will pick up contact at 619-476-4200	\$0.00	\$0.00
538794	Kleene & Green	Hilltop High School	1	RQ17016638	20	CS	Jumbo Toilet Tissue	\$22.68	\$453.60
538794	Kleene & Green	Hilltop High School	2	RQ17016638	15	CS		\$29.60	\$444.00
538795	William V. MacGill & Co.	Bonita Vista Middle School	1	RQ17016355	1	ea	Medline Wheelchair 18' seat adjustable leg rests	\$254.60	\$254.60
538796	Jostens, Inc.	Adult Education Book Depository	1	RQ17015193	20	ea	4'10'-5'0' Royal Blue, cap, gown, tassel & charm	\$23.00	\$460.00
538796	Jostens, Inc.	Adult Education Book Depository	2	RQ17015193	30	ea	5'1'-5'3' Royal Blue, cap, gown, tassel & charm	\$23.00	\$690.00
538796	Jostens, Inc.	Adult Education Book Depository	3	RQ17015193	20	ea	5'4'-5'6' Royal Blue, cap, gown, tassel & charm	\$23.00	\$460.00
538796	Jostens, Inc.	Adult Education Book Depository	4	RQ17015193	15	ea	5'7'-5'9' Royal Blue, cap, gown, tassel & charm	\$23.00	\$345.00
538796	Jostens, Inc.	Adult Education Book Depository	5	RQ17015193	10	ea	5'10'-6'0' Royal Blue, cap, gown, tassel & charm	\$23.00	\$230.00
538797	CDW Government, Inc.	Central Receiving	1	RQ17016241	1	ea	SCT3270SR: Epson SureColor T3270 24; Inkjet, 1 yr warranty	\$2,295.00	\$2,295.00
538797	CDW Government, Inc.	Central Receiving	2	RQ17016241	1	ea	Epson Preferred Plus - extended service agreement, additional 2 years (3 years total)	\$977.00	\$977.00
538798	Urban Adventure Quest, Inc.	Chula Vista Middle School	1	RQ17016528	6	ea	Admissions for Urban Adventure Quest teams for San Diego Balboa Park.	\$39.20	\$235.20
538799	Versa Products Inc.	Chula Vista Adult School	1	RQ17016710	3	ea	Signature Series Desk	\$728.00	\$2,184.00
538799	Versa Products Inc.	Chula Vista Adult School	2	RQ17016710	3	ea	Keyboard Drawer	\$66.00	\$198.00
538799	Versa Products Inc.	Chula Vista Adult School	3	RQ17016710	3	ea	Basic Wheel Kit-Black	\$47.00	\$141.00
538800	Textbook Warehouse	Sweetwater High School	1	RQ17016300	40	ea	Restorative Circles in Schools: Building Community and Enhancing	\$12.00	\$480.00
538801	Rasix Computer Center, Inc.	Chula Vista Middle School	1	RQ17016831	2	ea	Black Toner HP Lasterjet HP M452 Pro	\$59.00	\$118.00
538801	Rasix Computer Center, Inc.	Chula Vista Middle School	2	RQ17016831	1	ea	Cyan Toner HP Lasterjet HP M452 Pro	\$76.00	\$76.00
538801	Rasix Computer Center, Inc.	Chula Vista Middle School	3	RQ17016831	1	ea	Magenta Toner HP Lasterjet HP M452 Pro	\$76.00	\$76.00
538801	Rasix Computer Center, Inc.	Chula Vista Middle School	4	RQ17016831	1	ea	YellowToner HP Lasterjet HP M452 Pro	\$76.00	\$76.00
538802	Rasix Computer Center, Inc.	Castle Park High School	1	RQ17016677	1	EA	HEWCC364A Black toner cartridge	\$125.00	\$125.00

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538803	Rasix Computer Center, Inc.	Eastlake High School Learning Center	1	RQ17016802	2	ea	HP 05A Black toner CE505A	\$66.00	\$132.00
538803	Rasix Computer Center, Inc.	Eastlake High School Learning Center	2	RQ17016802	1	ea	HP 53A Black toner Q7553A	\$59.00	\$59.00
538804	Rasix Computer Center, Inc.	Montgomery Middle School	1	RQ17016817	2	EA	HP #CF280X - NO SUBSTITUTE, Page Yield 6,900 pages	\$127.00	\$254.00
538804	Rasix Computer Center, Inc.	Montgomery Middle School	2	RQ17016817	2	EA	HP 90X BLACK ORIGINAL TONER CARTRIDGE. HP #CE390X - NO SUBSTITUTE. PAGE YIELD - 24,000	\$199.00	\$398.00
538804	Rasix Computer Center, Inc.	Montgomery Middle School	3	RQ17016817	2	EA	HP507X BLACK TONER CARTRIDGE. HP #CE400X - NO SUBSTITUTE. PAGE YIELD - 11,000	\$137.00	\$274.00
538804	Rasix Computer Center, Inc.	Montgomery Middle School	4	RQ17016817	2	EA	HP507A CYAN TONER CARTRIDGE. HP 3CE401A - NO SUBSTITUTE. PAGE YIELD - 6,000.	\$155.00	\$310.00
538804	Rasix Computer Center, Inc.	Montgomery Middle School	5	RQ17016817	2	EA	HP507A YELLOW TONER CARTRIDGE. HP #CE402A - NO SUBSTITUTE. PAGE YIELD - 6,000	\$155.00	\$310.00
538804	Rasix Computer Center, Inc.	Montgomery Middle School	6	RQ17016817	2	EA	HP507A MAGENTA ORIGINAL LASERJET TONER CARTRIDGE. HP #CE403A - NO SUBSTITUTE. PAGE YIELD - 6,000.	\$155.00	\$310.00
538805	Socal Artisan Foods Inc.	Mar Vista High School	1	RQ17016743	100	ea	Lunch menu , Colorful green salad, and coleslaw. BBQ Chicken quarters for 88 and vegetarian lasagna for 12 sides, corn on the cob and south west beans roll and butter	\$8.00	\$800.00
538805	Socal Artisan Foods Inc.	Mar Vista High School	2	RQ17016743	1	ea	Delivery Fee	\$50.00	\$50.00
538805	Socal Artisan Foods Inc.	Mar Vista High School	3	RQ17016743	1	ea	Tax Adjustment - 8.75%	\$8.36	\$8.36
538806	El Tapatio Restaurant Inc.	Montgomery Adult School	1	RQ17016788	45	EA	Fiesta Mexicana Menu: Carne Asada and Pollo Asado 8 oz in combination of meats, rice and beans accompanied with guacamole, onions, cilantro, 4 salsa, radishes, green onions, Chiles Tostados, Mulitas and Chips.Tortillas. Assorted soads. Cookies. All itmes per Quote # 6506 - attached to this req.	\$10.50	\$472.50
538806	El Tapatio Restaurant Inc.	Montgomery Adult School	2	RQ17016788	1	EA	Set up fee	\$65.00	\$65.00
538807	Delta Education LLC	Olympian High School	1	RQ17016561	12	ea	BATTERY PK ASSY (EC) CPO	\$3.95	\$47.40
538807	Delta Education LLC	Olympian High School	2	RQ17016561	1	ea	LIGHT BULB SOCKET ASSY FOR ELEC CIRC	\$1.95	\$1.95
538807	Delta Education LLC	Olympian High School	3	RQ17016561	8	ea	GREEN CONNECTOR LUG WIRE 3' (EC) CPO	\$1.50	\$12.00

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538807	Delta Education LLC	Olympian High School	4	RQ17016561	2	ea	BLUE CONNECOR LUG WIRE 6' (EC) CPO	\$1.50	\$3.00
538807	Delta Education LLC	Olympian High School	5	RQ17016561	4	ea	BROWN CONNECTOR LUG WIRE 9' (EC) CPO	\$1.75	\$7.00
538807	Delta Education LLC	Olympian High School	6	RQ17016561	1	ea	5 OHM RESISTOR ASSY FOR ELEC CIR	\$4.95	\$4.95
538807	Delta Education LLC	Olympian High School	7	RQ17016561	1	ea	20 OHM RESISTOR ASSY FOR ELEC CIR	\$4.95	\$4.95
538807	Delta Education LLC	Olympian High School	8	RQ17016561	2	ea	KNIFE SWITCH ASSY FOR ELEC CIR	\$3.95	\$7.90
538807	Delta Education LLC	Olympian High School	9	RQ17016561	1	ea	CPO ACC 24 CT EXTRA MAGNET KIT	\$21.95	\$21.95
538807	Delta Education LLC	Olympian High School	10	RQ17016561	1	lot	Shipping & Handling	\$13.32	\$13.32
538808	Dick Blick Company	Chula Vista High School	1	RQ17016787	5	ea	DB Econo Bristl Flat SZ14	\$1.04	\$5.20
538808	Dick Blick Company	Chula Vista High School	2	RQ17016787	6	ea	DB Econo Bristl Flat SZ12	\$0.93	\$5.58
538808	Dick Blick Company	Chula Vista High School	3	RQ17016787	10	ea	DB Econo Bristl Flat SZ10	\$0.78	\$7.80
538808	Dick Blick Company	Chula Vista High School	4	RQ17016787	15	ea	DB Econo Bristl Flat SZ8	\$0.68	\$10.20
538808	Dick Blick Company	Chula Vista High School	5	RQ17016787	5	ea	RS Signet Brush Set - Set 1 4br Long Handle	\$14.29	\$71.45
538808	Dick Blick Company	Chula Vista High School	6	RQ17016787	50	ea	Col-Erase Pencil blk	\$0.62	\$31.00
538808	Dick Blick Company	Chula Vista High School	7	RQ17016787	25	ea	Prismacolor clr pencil tuscn red No. 937	\$1.13	\$28.25
538808	Dick Blick Company	Chula Vista High School	8	RQ17016787	10	ea	Prismacolor clr pencil sand	\$1.13	\$11.30
538808	Dick Blick Company	Chula Vista High School	9	RQ17016787	12	ea	Crayola blk bristle sz 3/4 in	\$2.30	\$27.60
538808	Dick Blick Company	Chula Vista High School	10	RQ17016787	24	ea	DB wc fitch round sz 8	\$1.17	\$28.08
538808	Dick Blick Company	Chula Vista High School	11	RQ17016787	24	ea	DB wc fitch round sz 4	\$1.09	\$26.16
538808	Dick Blick Company	Chula Vista High School	12	RQ17016787	1	ea	Drying rack 100 shl ido 10x18 100sht	\$489.99	\$489.99
538809	W. W. Norton & Company, Inc	Hilltop High School	1	RQ17016489	30	ea	Give Me Liberty 3e AP + Voices of Freedom 3e vol 1 + Voices of Freedom 3e vol 2 (\$112.00)	\$112.00	\$3,360.00
538809	W. W. Norton & Company, Inc	Hilltop High School	2	RQ17016489	30	ea	Digital License 1 yr access 30 licenses *Free	\$0.00	\$0.00
538809	W. W. Norton & Company, Inc	Hilltop High School	3	RQ17016489	7	yr	Digital extended access purchased with print books	\$180.00	\$1,260.00
538810	Pearson Education, Inc.	Hilltop High School	1	RQ17016421	150	ea	THINKING MATHEMATICALLY 6E STUDENT (\$201.97	\$30,295.50
538810	Pearson Education, Inc.	Hilltop High School	2	RQ17016421	2	ea	THINKING MATHEMATICALLY ANNOTATD INSTR TE	\$0.00	\$0.00
538810	Pearson Education, Inc.	Hilltop High School	3	RQ17016421	40	ea	CAMPBELL BIOLOGY IN FOCUS AP EDITION 2E 2017 WITH MASTERING WITH ETEXT UP TO 6 YEARS STUDENT EDITION	\$140.97	\$5,638.80

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538811	Textbook Warehouse	Hilltop High School	1	RQ17016412	5	ea	(USED)Discovering Literature Stories, Poems, and Plays	\$35.95	\$179.75
538811	Textbook Warehouse	Hilltop High School	2	RQ17016412	10	ea	Street Law A Course In Practi Cal Law	\$19.20	\$192.00
538811	Textbook Warehouse	Hilltop High School	3	RQ17016412	1	ea	Street Law A Course In Practic Al Law Te	\$10.00	\$10.00
538811	Textbook Warehouse	Hilltop High School	4	RQ17016412	65	ea	Government In America 2008	\$71.95	\$4,676.75
538812	Textbook Warehouse	Eastlake High School	1	RQ17016357	4	ea	(NEW)Yookoso Continuing With Comtem	\$225.95	\$903.80
538812	Textbook Warehouse	Eastlake High School	2	RQ17016357	15	ea	(NEW)Stats: Modeling the World, 4th	\$149.96	\$2,249.40
538812	Textbook Warehouse	Eastlake High School	3	RQ17016357	22	ea	Thinking Mathematically (6th E dition)	\$117.95	\$2,594.90
538813	Goodheart-Willcox Publisher	Eastlake High School	1	RQ17016401	50	ea	COMPREHEN HEALTH TX/OLS6 (2018) bundle	\$159.96	\$7,998.00
538814	CDW Government, Inc.	Olympian High School	1	RQ17016045	2	ea	ELPLP71 Replacement Projector Lamp/Bulb	\$72.29	\$144.58
538815	Datel Systems Inc.	San Ysidro High School	1	RQ17015571	10	Ea	Projector Lamps	\$67.75	\$677.50
538816	W. W. Norton & Company, Inc	Eastlake High School	1	RQ17016270	11	ea	GIVE ME LIBERTY 3e AP	\$112.00	\$1,232.00
538817	Toledo Physical Education Supply	Olympian High School	1	RQ17016151	2	EA	ORANGE ABDOMINAL CRUNCH TRIPS	\$5.99	\$11.98
538817	Toledo Physical Education Supply	Olympian High School	2	RQ17016151	1	PACL	TOURNA-GRIP 30 RACQUET SUPPLY	\$51.99	\$51.99
538817	Toledo Physical Education Supply	Olympian High School	3	RQ17016151	1	CS	CASE (24) PENN TENNIS BALLS	\$89.99	\$89.99
538817	Toledo Physical Education Supply	Olympian High School	4	RQ17016151	1	ST	RAINBOW SET OF SC505 STOPWATCHES	\$129.99	\$129.99
538817	Toledo Physical Education Supply	Olympian High School	5	RQ17016151	8	EA	ORANGE 12' VINY TRAFFIC CONE	\$7.25	\$58.00
538817	Toledo Physical Education Supply	Olympian High School	6	RQ17016151	1	EA	INFLATING NEEDLES PK/100	\$26.99	\$26.99
538818	Troxell Communications, Inc.	Montgomery High School	1	RQ17015893	72	ea	3060AV HEADPHONES W/O VOL CTRL-SILVER	\$8.35	\$601.20
538819	Gallup, Inc.	National City Middle School	1	RQ17015948	16	each	Strengths based leadership book	\$15.99	\$255.84
538819	Gallup, Inc.	National City Middle School	1	RQ17015948	1	ea	Quote 300139880 dated 4/25/17	\$3.85	\$3.85
538820	Boca Rio Unlimited	Chula Vista Middle School	1	RQ17016050	44	ea	CPOMM Metallic Convertible Pom Silver	\$12.95	\$569.80
538820	Boca Rio Unlimited	Chula Vista Middle School	2	RQ17016050	25	ea	5/8' Polyester lanyard screen print one color one side	\$5.95	\$148.75
538821	CDW Government, Inc.	Montgomery High School	1	RQ17016193	10	ea	EPSON ELPLP71 REPLACEMENT PROJECTOR LAMP/BULB FOR POWERLITE 470	\$72.29	\$722.90
538822	Troxell Communications, Inc.	Montgomery High School	1	RQ17015807	35	ea	3060AV HEADPHONES W/O VOL CTRL - SILVER	\$8.35	\$292.25

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538823	Prophet Corporation (The)	Mar Vista Academy	1	RQ17016581	1	Set	Rainbow Metallix Volleyballs	\$94.95	\$94.95
538823	Prophet Corporation (The)	Mar Vista Academy	2	RQ17016581	1	Set	Gopher Performer Plus Volleyballs - Rainbow Set	\$74.95	\$74.95
538823	Prophet Corporation (The)	Mar Vista Academy	3	RQ17016581	3	Ea	Ultra Play Rugby Ball - Size 5 Official	\$22.95	\$68.85
538824	Apple Computer Inc.	Central Receiving	1	RQ17015693	3	ea	iPod touch 64GB Space Gray	\$299.00	\$897.00
538824	Apple Computer Inc.	Central Receiving	2	RQ17015693	3	ea	AppleCare+ for iPod touch	\$59.00	\$177.00
538825	ActionTec Electronics, Inc	Central Receiving	1	RQ17015975	1	ea	ScreenBeam 1200, SB1200U02	\$679.99	\$679.99
538826	Mrs. Nelson's Toy & Book Shop Inc.	Mar Vista Academy	1	RQ17015706	1	lot	Annual for end of the year rebinding of textbooks (AS IS). Cost per book ranges \$13.95 - \$15.95	\$1,300.00	\$1,300.00
538827	Solcon, Inc.	Southwest High School	1	RQ17014734	3	Ea	1703-27 Taping Sport Training Table W/ End Shelf 27' (2 packages) (Upholstery Color: Black 3BK)	\$417.00	\$1,251.00
538827	Solcon, Inc.	Southwest High School	2	RQ17014734	3	Ea	9200-30 Style Line Treatment Table, Full Length Shelf, Flat Top, 30' Width (Laminate Color: Natural 1NT, Upholstery Color: Black 3BK)	\$437.72	\$1,313.16
538827	Solcon, Inc.	Southwest High School	3	RQ17014734	3	Ea	10-1551 Theraband Exercise Band Dispenser with 30 Bands, 5', Yellow	\$140.87	\$422.61
538827	Solcon, Inc.	Southwest High School	4	RQ17014734	3	Ea	10-1553 Theraband Exercise Band Dispenser with 30 Bands, 5', Green	\$158.03	\$474.09
538827	Solcon, Inc.	Southwest High School	5	RQ17014734	3	Ea	10-1554 Therband Exercise Band Dispenser with 30 Bands, 5', Blue	\$170.61	\$511.83
538827	Solcon, Inc.	Southwest High School	6	RQ17014734	3	Ea	10-1552 Theraband Exeercise Band Dispenser with 30 Bands, 5', Red	\$154.19	\$462.57
538827	Solcon, Inc.	Southwest High School	7	RQ17014734	8	Ea	30-1901 Bosu Vestibular Dome with 0.5 Hour Video and Manual	\$148.88	\$1,191.04
538827	Solcon, Inc.	Southwest High School	9	RQ17014734	1	ea	Vendor charging tax on shipping per Acctg route slip/Inv 364720 53017 sg	\$1,476.29	\$1,476.29
538828	Solcon, Inc.	CTE (formerly ROP)	1	RQ17014733	3	Ea	1703-27 Taping Sport Training Table W/ End Shelf 27' (2 packages) (Upholstery Color: Black 3BK)	\$417.00	\$1,251.00
538828	Solcon, Inc.	CTE (formerly ROP)	2	RQ17014733	3	Ea	9200-30 Style Line Treatment Table, Full Length Shelf, Flat Top, 30' Width (Laminate Color: Natural 1NT, Upholstery Color: Black 3BK)	\$437.72	\$1,313.16
538828	Solcon, Inc.	CTE (formerly ROP)	3	RQ17014733	3	Ea	10-1551 Theraband Exercise Band Dispenser with 30 Bands, 5', Yellow	\$140.87	\$422.61

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538828	Solcon, Inc.	CTE (formerly ROP)	4	RQ17014733	3	Ea	10-1553 Theraband Exercise Band Dispenser with 30 Bands, 5', Green	\$158.03	\$474.09
538828	Solcon, Inc.	CTE (formerly ROP)	5	RQ17014733	3	Ea	10-1554 Therband Exercise Band Dispenser with 30 Bands, 5', Blue	\$170.61	\$511.83
538828	Solcon, Inc.	CTE (formerly ROP)	6	RQ17014733	3	Ea	10-1552 Theraband Exeercise Band Dispenser with 30 Bands, 5', Red	\$154.19	\$462.57
538828	Solcon, Inc.	CTE (formerly ROP)	7	RQ17014733	8	Ea	30-1901 Bosu Vestibular Dome with 0.5 Hour Video and Manual	\$148.88	\$1,191.04
538828	Solcon, Inc.	CTE (formerly ROP)	8	RQ17014733	1	ea	Vendor charging tax on Shipping per Acctg route slip/Invoice 364712 53017 sg	\$1,476.29	\$1,476.29
538829	CDW Government, Inc.	Central Receiving	1	RQ17015300	5	EA	ASUS B85M-G R2.0 -2.0-MOTHERBOARD -MICRO ATX- LGA1150 SOCKET - B85	\$64.21	\$321.05
538829	CDW Government, Inc.	Central Receiving	2	RQ17015300	7	EA	INTEL CORE i3 4170 / 3.7 GHz PROCESSOR	\$118.02	\$826.14
538829	CDW Government, Inc.	Central Receiving	3	RQ17015300	2	EA	ASUS R7250 - 1GD5-V2 GRAPHICS CARD - RADEON R7 250 - 1 GB	\$67.71	\$135.42
538829	CDW Government, Inc.	Central Receiving	4	RQ17015300	2	EA	MSI H81I - MOTHERBOARD - MINI ITX - LGA1150 SOCKET - H81	\$62.47	\$124.94
538829	CDW Government, Inc.	Central Receiving	5	RQ17015300	2	EA	THERMALTAKE CORE V1 - MINI TOWER - MINI ITX	\$43.39	\$86.78
538829	CDW Government, Inc.	Central Receiving	6	RQ17015300	1	EA	FLUKE NETWORKS MICROSCANNER 2 CABLE VERIFIER	\$521.32	\$521.32
538829	CDW Government, Inc.	Central Receiving	7	RQ17015300	2	EA	TRIPP LITE 50PK CAT5 RJ45 MODULAR CONNECTORS FOR STRANDED CAT5E CABLE	\$8.48	\$16.96
538829	CDW Government, Inc.	Central Receiving	8	RQ17015300	3	EA	EVGA - POWER SUPPLY - 500 WATT	\$45.35	\$136.05
538829	CDW Government, Inc.	Central Receiving	9	RQ17015300	1	EA	KANGURU USB3.0 COPYDOCK SATA - HARD DRIVE DUPLICATOR	\$70.86	\$70.86
538829	CDW Government, Inc.	Central Receiving	10	RQ17015300	2	EA	LG GP60NB50 SUPER MULTI EXTERNAL DVD DRIVE - BLACK	\$28.72	\$57.44
538831	CDW Government, Inc.	Central Receiving	1	RQ17016614	4	ea	LG 32LX340H 32' class LED TV	\$292.21	\$1,168.84
538831	CDW Government, Inc.	Central Receiving	2	RQ17016614	4	ea	CA Recycle Fee	\$6.00	\$24.00
538832	B&H Photo	Otay Ranch HS	1	RQ17016364	1	EA	Brother HL-L8360CDW color laser printer	\$389.79	\$389.79
538833	VWR Funding, Inc.	Castle Park High School	1	RQ17016134	1	ST	Hominid/Great Ape Skull replica set	\$668.53	\$668.53
538834	Flinn Scientific, Inc.	Mar Vista High School	1	RQ17015094	128	each	Calculator, Scientific 2 - Line	\$23.54	\$3,013.12
538835	B&H Photo	Central Receiving	1	RQ17015682	1	EA	EPSON ELPLP79 REPLACEMENT PROJECTOR LAMP FOR THE EPSON POWERLITE 570. MFR #V13H010L79	\$48.02	\$48.02
538835	B&H Photo	Central Receiving	2	RQ17015682	1	EA	Epson PowerLite 675W 3200-Lumen WXGA Ultra-Short Throw 3LCD Projector	\$1,122.81	\$1,122.81

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538836	CDW Government, Inc.	Central Receiving	1	RQ17015970	1		AVerVision U70 - document camera	\$248.20	\$248.20
538837	Oriental Trading Company, Inc	East Hills Academy	1	RQ17015537	1	un	Bouncing Ball Assortment	\$21.99	\$21.99
538837	Oriental Trading Company, Inc	East Hills Academy	2	RQ17015537	2	dz	Cool Neon Sunglasses	\$9.98	\$19.96
538837	Oriental Trading Company, Inc	East Hills Academy	3	RQ17015537	1	un	Dino-Mite Dinosaur Assortment	\$13.99	\$13.99
538837	Oriental Trading Company, Inc	East Hills Academy	4	RQ17015537	1	un	Forest Animal Action Figures	\$14.99	\$14.99
538837	Oriental Trading Company, Inc	East Hills Academy	5	RQ17015537	1	un	Metallic Bead Necklace Assortment	\$9.99	\$9.99
538837	Oriental Trading Company, Inc	East Hills Academy	6	RQ17015537	1	un	Everyday Fun Coloring Books	\$12.99	\$12.99
538837	Oriental Trading Company, Inc	East Hills Academy	7	RQ17015537	1	dz	3rd place yellow award ribbons	\$3.79	\$3.79
538837	Oriental Trading Company, Inc	East Hills Academy	8	RQ17015537	1	dz	2nd place red award ribbons	\$3.79	\$3.79
538837	Oriental Trading Company, Inc	East Hills Academy	9	RQ17015537	1	dz	1st place blue ribbon awards	\$3.79	\$3.79
538837	Oriental Trading Company, Inc	East Hills Academy	10	RQ17015537	2	dz	1st, 2nd, and 3rd place award medals	\$4.99	\$9.98
538837	Oriental Trading Company, Inc	East Hills Academy	11	RQ17015537	2	un	Personalized Goldtone Trophies ('Explorer of the Month')	\$21.99	\$43.98
538837	Oriental Trading Company, Inc	East Hills Academy	12	RQ17015537	1	un	Bubble Bottle Assortment	\$32.99	\$32.99
538837	Oriental Trading Company, Inc	East Hills Academy	13	RQ17015537	1	un	Mega Stamper Assortment	\$21.99	\$21.99
538837	Oriental Trading Company, Inc	East Hills Academy	14	RQ17015537	1	un	Mega Die Cast Car Assortment	\$21.99	\$21.99
538837	Oriental Trading Company, Inc	East Hills Academy	15	RQ17015537	1	ea	Certificate/Other	-\$9.61	-\$9.61
538837	Oriental Trading Company, Inc	East Hills Academy	16	RQ17015537	1	ea	Certificate/Other	-\$2.20	-\$2.20
538838	Demco Inc.	National City Middle School	1	RQ17015773	1	ea	Ozobot Kit Crystal White	\$65.49	\$65.49
538838	Demco Inc.	National City Middle School	1	RQ17015773	1	ea	National City Sales Tax Adjustment 8.75%	\$0.33	\$0.33
538839	Demco Inc.	Palomar High School	1	RQ17015760	1	EA	Digital Poly Bar Code Label	\$57.80	\$57.80
538839	Demco Inc.	Palomar High School	2	RQ17015760	1	EA	ExcelMark Flash Pre-Inked Stamp - Black ink, Helvetica Bold, 14 point type, centered: ONE LINE TO READ... DISCARD	\$26.35	\$26.35
538840	Demco Inc.	Southwest High School	1	RQ17016123	15	ea	Clear Heavy Duty non glare label protectors	\$15.84	\$237.66
538840	Demco Inc.	Southwest High School	2	RQ17016123	1	ea	UnDu adhesive remover 4oz	\$8.84	\$8.84

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538840	Demco Inc.	Southwest High School	3	RQ17016123	1	ea	un du adhesive remover 32oz	\$26.73	\$26.73
538840	Demco Inc.	Southwest High School	4	RQ17016123	2	ea	Demco Durafold II Book Jacket Covers 14' high x 28'	\$22.95	\$45.89
538840	Demco Inc.	Southwest High School	5	RQ17016123	1	ea	Demco Durafold II Book Jacket Covers Assortment Pack	\$31.45	\$31.45
538840	Demco Inc.	Southwest High School	6	RQ17016123	1	ea.	Boston/X-ACTO Electric sharpener	\$91.67	\$91.67
538840	Demco Inc.	Southwest High School	7	RQ17016123	1	pkg.	Winter bookmarks	\$8.31	\$8.31
538840	Demco Inc.	Southwest High School	8	RQ17016123	1	pkg.	Scratch-and sniff bookmarks watermelon	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	9	RQ17016123	1	pkg	Scratch-and sniff bookmarks Strawberry	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	10	RQ17016123	1	pkg	Scratch-and sniff bookmarks Cookies	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	11	RQ17016123	4	pkg.	SurGrip Replacement Blades	\$3.52	\$14.08
538840	Demco Inc.	Southwest High School	12	RQ17016123	1	pkg.	Floral Bookmarks	\$8.31	\$8.31
538840	Demco Inc.	Southwest High School	13	RQ17016123	1	pkg.	Book Lovers Bookmarks	\$8.31	\$8.31
538840	Demco Inc.	Southwest High School	14	RQ17016123	1	pkg.	Geometric Bookmarks	\$8.31	\$8.31
538840	Demco Inc.	Southwest High School	15	RQ17016123	1	pkg.	Fall Bokmarks	\$8.31	\$8.31
538840	Demco Inc.	Southwest High School	16	RQ17016123	1	pkg	Scratch-and sniff bookmarks Nachos	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	17	RQ17016123	1	pkg.	Scratch-and sniff bookmarks Popcorn	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	18	RQ17016123	1	pkg.	Scratch-and sniff bookmarks peppermint	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	19	RQ17016123	1	pkg.	Scratch-and sniff bookmarks gummy	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	20	RQ17016123	1	pkg.	Scratch-and sniff bookmarks chocolate	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	21	RQ17016123	1	pkg.	Scratch-and sniff bookmarks lime	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	22	RQ17016123	1	pkg.	Scratch-and sniff bookmarks orange	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	23	RQ17016123	1	pkg.	Scratch-and sniff bookmarks lemon	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	24	RQ17016123	1	pkg.	Scratch-and sniff bookmarks cinnamon	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	25	RQ17016123	1	pkg.	Scratch-and sniff bookmarks cotton candy	\$6.46	\$6.46
538840	Demco Inc.	Southwest High School	26	RQ17016123	1	pkg	Pizza, die-cut bookmarks	\$8.31	\$8.31
538841	Demco Inc.	Castle Park Middle School	1	RQ17016210	1	ea	#we 16302230 pencil sharpener	\$52.63	\$52.63
538841	Demco Inc.	Castle Park Middle School	2	RQ17016210	4	ea	#WL 13612040 pencils	\$4.74	\$18.97
538841	Demco Inc.	Castle Park Middle School	3	RQ17016210	3	ea	#WL 13692530 bookmarks	\$8.54	\$25.63
538841	Demco Inc.	Castle Park Middle School	4	RQ17016210	4	ea	#WL 12122620 pencils	\$3.41	\$13.65
538842	Boca Rio Unlimited	Southwest High School	1	RQ17016766	4	EA	Ultra Cotton Maroon Jersey Sport Shirts--2 M/2L	\$17.95	\$71.80

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538842	Boca Rio Unlimited	Southwest High School	2	RQ17016766	4	EA	Name Personalization	\$5.00	\$20.00
538842	Boca Rio Unlimited	Southwest High School	3	RQ17016766	1	LOT	Art Charges	\$35.00	\$35.00
538843	Grainger, Inc.	Hilltop High School	1	RQ17016426	4	ez	Barricade Sign, Do Not Enter, 36H In	\$113.75	\$455.00
538844	Grainger, Inc.	Otay Ranch HS	1	RQ17016311	1	ea	CONDOR Orange/Red with silver with silver stripe high visibility vest, ASNI 2, Zipper closure, XL	\$24.90	\$24.90
538844	Grainger, Inc.	Otay Ranch HS	2	RQ17016311	2	ea	LYLE Road Traffic control, No header, aluminium 18' x 18' , Diamond	\$65.75	\$131.50
538844	Grainger, Inc.	Otay Ranch HS	3	RQ17016311	2	ea	CORTINA Barricade Sign, Lime/Blk, School Crossing	\$116.50	\$233.00
538844	Grainger, Inc.	Otay Ranch HS	4	RQ17016311	1	ea	VIKING Black with Orange/Red Stripe Safety Vest, ANSI 1, Snap Closure, L	\$52.35	\$52.35
538845	Grainger, Inc.	San Ysidro Adult School	1	RQ17016322	2	Each	Barricade Tape Dispenser, Yellow, Holds 3' x 1000 ft. Roll	\$2.55	\$5.10
538845	Grainger, Inc.	San Ysidro Adult School	2	RQ17016322	2	Each	Barricade Tape, Red/Black, 1000ft x 3 In	\$23.42	\$46.84
538845	Grainger, Inc.	San Ysidro Adult School	3	RQ17016322	5	Each	Barricade Tape, Yellow/Black, 1000ft x 3 In	\$22.25	\$111.25
538845	Grainger, Inc.	San Ysidro Adult School	4	RQ17016322	6	Each	Traffic Cone, 28' Cone Height, Orange, PVC	\$19.45	\$116.70
538845	Grainger, Inc.	San Ysidro Adult School	5	RQ17016322	7	Each	Delineator Post, 45' Delineator Height, Yellow, Polyethylene	\$35.10	\$245.70
538846	KBC Tools	CTE (formerly ROP)	1	RQ17016760	2	Ea	27X60 SOF-SPUN SPONGE VINYL CUSHIONED MAT	\$35.28	\$70.56
538846	KBC Tools	CTE (formerly ROP)	2	RQ17016760	3	Ea	PEC TELESCOPE GAGE SET OF 4 3S-4	\$58.67	\$176.01
538846	KBC Tools	CTE (formerly ROP)	3	RQ17016760	2	Ea	USA MACHINIST CLAMPING SET	\$81.90	\$163.80
538846	KBC Tools	CTE (formerly ROP)	4	RQ17016760	2	Ea	ENGINEERS BLACK BOOK	\$20.66	\$41.31
538846	KBC Tools	CTE (formerly ROP)	5	RQ17016760	2	Ea	MICRO 100 4PC 1/2 SHANK INDEXABLE TOOLHOLDER SET	\$222.62	\$445.23
538846	KBC Tools	CTE (formerly ROP)	6	RQ17016760	1	Ea	ALORIS 5 PC. STARTER SET	\$553.35	\$553.35
538846	KBC Tools	CTE (formerly ROP)	7	RQ17016760	1	Ea	KBC THIRD HAND	\$14.72	\$14.72
538846	KBC Tools	CTE (formerly ROP)	8	RQ17016760	1	Ea	20 PC 4FL 3/16-3/4X16THS TIN COATED SINGLE END MILL SET	\$86.89	\$86.89
538846	KBC Tools	CTE (formerly ROP)	9	RQ17016760	1	Ea	20PC 2&4FL 3/16-3/4X16THS TIN COATED SINGLE END MILL SET	\$92.03	\$92.03
538846	KBC Tools	CTE (formerly ROP)	10	RQ17016760	4	Ea	DCMT-21.51 TG320 KORLOY NC3020	\$7.87	\$31.46
538846	KBC Tools	CTE (formerly ROP)	11	RQ17016760	1	Ea	YOST 905-HV HIGH VISIBILITY UTILITY COMB. PIPE&BENCH VISE (WAS HV5-1/2)	\$125.80	\$125.80
538846	KBC Tools	CTE (formerly ROP)	12	RQ17016760	1	Ea	KURT 0-6IN. DEPTH MICROMETER	\$116.10	\$116.10

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538846	KBC Tools	CTE (formerly ROP)	13	RQ17016760	3	Ea	10X12IN. KBC MAGNETIC SAFETY SHIELD	\$34.83	\$104.49
538846	KBC Tools	CTE (formerly ROP)	14	RQ17016760	2	Ea	600C EZE-LAP COARSE 250 GRIT DIAMOND NEEDLE FILE SET	\$31.50	\$63.00
538846	KBC Tools	CTE (formerly ROP)	15	RQ17016760	2	Ea	600F EZE-LAP FINE 600 GRIT DIAMOND NEEDLE FILE SET	\$28.01	\$56.02
538847	Costco	Hilltop Middle School	1	RQ17016718	4	each	Caravan Canopy Alumashade Bigfoot Canopy, 10'L X 10'W X 11'H, White tax adjustment	\$204.58	\$818.32
538847	Costco	Hilltop Middle School	2	RQ17016718	1	each		\$4.09	\$4.09
538848	Pasco Scientific	Olympian High School	1	RQ17016785	1	EA	CAPSTONE K-12 CAMPUS DIG DOWNLOAD	\$249.00	\$249.00
538849	CIT Bank, N.A.	Information Technology	1	RQ17016846	1	Yr	1 of 4 Years Lease under Schedule No. 1443596 with Lease Agreement No. 300504 (the 'Master Agreement'). Under Board Approval Item# F. - 8 on April 24th, 2017. Per Karen Michel on April 25, 2017.	\$1,481,725.61	\$1,481,725.61
538850	CIT Bank, N.A.	Information Technology	1	RQ17016868	1	Yr	1 of 4 Years Lease Schedule No. 1437045 with Lease Agreement No. 300504 (the 'Master Agreement'). Board Approval #F.-8 on April 24, 2017. Per Karen Michel April 25, 2017.	\$340,389.04	\$340,389.04
538851	Metal Craft	Purchasing	1	RQ17016891	80	Each	Barcodes, 2' x 3/4' black on white, 100 per package: Starting number is 299500.	\$16.54	\$1,323.20
538852	La Class Transportation	Castle Park High School	1	RQ17016841	1	Lot	Round Trip Charter service to UTI Rancho Cucamonga on Tues, May 9, 2017	\$994.00	\$994.00
538853	Rasix Computer Center, Inc.	Southwest High School	1	RQ17016845	2	EA	BLACK ORIGINAL TONER CARTRIDGE	\$63.00	\$126.00
538854	Bio Company, Inc.	Olympian High School	1	RQ17016517	9	EA	14'-17' TRIPLE FETAL PIG	\$18.35	\$165.15
538855	School Health Corporation	Student Support Services	1	RQ17016826	101	cs	Sheets Drape Disposable 50/CASE	\$15.77	\$1,592.77
538855	School Health Corporation	Student Support Services	2	RQ17016826	378	rl	Biohazard Waste Bags 5 Gallon Red 20/RL	\$3.84	\$1,451.52
538855	School Health Corporation	Student Support Services	3	RQ17016826	252	pkg	SH Non-Woven Sponge 4x4 4PLY Non Sterile 200/PKG	\$2.18	\$549.36
538855	School Health Corporation	Student Support Services	4	RQ17016826	4,505	bx	N95 Cone-Style Particulate Respirator Masks, Med/Lg 20/box - (Replacing item #21355 - Mask Molded 50/PKG @ \$4.42)	\$1.77	\$7,964.84
538855	School Health Corporation	Student Support Services	5	RQ17016826	210	cs	Hydrogen Peroxide 16 oz 3% Solution 12/CS	\$6.73	\$1,413.30
538855	School Health Corporation	Student Support Services	6	RQ17016826	25	cs	BZK Antiseptic Towelette Bulk 1000/CS	\$27.39	\$684.75

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538855	School Health Corporation	Student Support Services	7	RQ17016826	200	bx	Gloves Vinyl M Powder Free 100/BOX	\$4.38	\$876.00
538855	School Health Corporation	Student Support Services	8	RQ17016826	25	pkg	Bags Zipper Seal Top 6x9 2ML Thick 100/Pkg	\$3.46	\$86.50
538855	School Health Corporation	Student Support Services	9	RQ17016826	252	bx	SHY Adh Bdg 1 In. Plas 100/BX	\$1.48	\$372.96
538856	School Specialty, Inc.	Montgomery High School	1	RQ17016857	1	ea	LIGHT BOX LIGHTRACER II	\$104.45	\$104.45
538856	School Specialty, Inc.	Montgomery High School	2	RQ17016857	4	pk	PAINT TRAY PLASTIC	\$14.49	\$57.96
538856	School Specialty, Inc.	Montgomery High School	3	RQ17016857	40	pk	SAX SKETCH DIARY W/PERF	\$1.81	\$72.40
538856	School Specialty, Inc.	Montgomery High School	4	RQ17016857	1	pk	BOARD CRESCENT MAT BLACK	\$51.15	\$51.15
538856	School Specialty, Inc.	Montgomery High School	5	RQ17016857	2	pk	ERASER PINK BLOCK SMALL SCHOOL SMART PACK	\$2.49	\$4.98
538856	School Specialty, Inc.	Montgomery High School	6	RQ17016857	1	ea	PAPER DRAWING 18X24 90# WHITE REAM	\$61.16	\$61.16
538856	School Specialty, Inc.	Montgomery High School	7	RQ17016857	1	ea	PENCIL SHARPENER ONE HOLE ASST. - SCHOOL SMART	\$1.29	\$1.29
538857	Computer Comforts Inc	Chula Vista Adult School	1	RQ17016647	21	ea	Active Learning Table 60Wx24DX27H with square PVC edge, oval tubular leg design and perforated mini cable tray modesty panel.	\$324.00	\$6,804.00
538857	Computer Comforts Inc	Chula Vista Adult School	2	RQ17016647	21	ea	Dual wheel locking carpet caster set. 2' height	\$27.54	\$578.34
538857	Computer Comforts Inc	Chula Vista Adult School	3	RQ17016647	14	ea	Ganging bracket for Active Learning Tables (must be installed one site)	\$9.72	\$136.08
538857	Computer Comforts Inc	Chula Vista Adult School	4	RQ17016647	21	ea	Cable cut-ut in wood with groomet (3.25'). Centered half-of-half on the LEFT.	\$17.82	\$374.22
538857	Computer Comforts Inc	Chula Vista Adult School	5	RQ17016647	21	ea	Cable cut-out in wood with grommet (3.25'). Rear center location.	\$17.82	\$374.22
538857	Computer Comforts Inc	Chula Vista Adult School	6	RQ17016647	14	ea	Power distribution unit (12' long, 2'x2' square) constructed with aluminum housing. PDU includes 4-20amp receptacles on the top and single NEMA outlet on one end cap and IEC inlet on the other end cap. 20amp receptacles on the top and single NEMA outlet on one end cap and IEC inlet on the other end cap. 20amp circuit breaker also included 20amp jumper cords ORDERED SEPARATELY.	\$68.04	\$952.56
538857	Computer Comforts Inc	Chula Vista Adult School	7	RQ17016647	14	ea	72' L connecting cord for PDU.	\$20.09	\$281.26
538857	Computer Comforts Inc	Chula Vista Adult School	8	RQ17016647	1	ea	Assemble and deliver estimate. Inside delivery included.	\$3,580.00	\$3,580.00

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538858	Auto Chlor System	Nutrition Services	1	RQ17015113	1	lot	Annual Rental of Auto-Chlor dishwashing machine, Model AC D2. To be billed every 4 weeks at \$264.00 plus applicable sales taxes, starting the period of April 2017 for 65 four-week periods (5 years). Energy surcharge plus sales tax per period may apply. This agreement automatically renews itself for another period of 52 weeks on each annual anniversary unless either party gives the other party at least 2 four-week periods (56 days) notice in writing of its election not to renew the agreement. Payments to be made upon receipt of auditable invoices.	\$800.00	\$800.00
538859	Textbook Warehouse	Bonita Vista High School	1	RQ17016855	25	ea	Habits of Highly Effective Teens 1998 edition by Covey	\$9.75	\$243.75
538860	Lerner Publishing Group	Bonita Vista High School	1	RQ17016809	1	Lot	Fall 2016 AudiseeR eBooks set of Audio Multi-User Collection	\$1,979.34	\$1,979.34
538860	Lerner Publishing Group	Bonita Vista High School	2	RQ17016809	1	Lot	First Avenue Collection Classic Grade 9	\$1,139.43	\$1,139.43
538860	Lerner Publishing Group	Bonita Vista High School	3	RQ17016809	1	Lot	First Avenue Shakespeare Multi-User Collection	\$254.85	\$254.85
538861	VEX Robotics, Inc.	Alternative Education	1	RQ17016757	1	Lot	VRC 2017-2018: In the ZoneRegistration for team number 97947A	\$150.00	\$150.00
538862	BOSU Fitness, LLC	Southwest High School	1	RQ17015585	2	Each	WeckMethod RMT Club (2lb)	\$94.95	\$189.90
538862	BOSU Fitness, LLC	Southwest High School	2	RQ17015585	2	Each	WeckMethod RMT Club (4lb)	\$99.95	\$199.90
538862	BOSU Fitness, LLC	Southwest High School	3	RQ17015585	2	Each	WeckMethod RMT Club (6lb)	\$104.95	\$209.90
538862	BOSU Fitness, LLC	Southwest High School	4	RQ17015585	2	Each	WeckMethod RMT Club (8lb)	\$109.95	\$219.90
538862	BOSU Fitness, LLC	Southwest High School	5	RQ17015585	1	Each	BOSU Elite by WeckMethod	\$199.95	\$199.95
538862	BOSU Fitness, LLC	Southwest High School	6	RQ17015585	1	Each	BOSU Pro Balance Trainer	\$159.95	\$159.95
538862	BOSU Fitness, LLC	Southwest High School	7	RQ17015585	1	Lot	Estimate Number: 1064	\$0.00	\$0.00
538863	Neopost USA Inc.	Duplicating	1	RQ17016884	3	ea	9169BT TRACTION BELT BLUE	\$93.51	\$280.53
538863	Neopost USA Inc.	Duplicating	2	RQ17016884	3	ea	11149BF FEED BELTS	\$121.05	\$363.15
538863	Neopost USA Inc.	Duplicating	3	RQ17016884	3	ea	PN11111 SEPERATOR TIPS	\$126.09	\$378.27
538864	Association of Two-Way Dual Language Education	Chula Vista High School	1	RQ17016405	1	ea	Registration fee for Marisol Higareda-CIS to attend 'The 2017 National Two-Way Bilingual Immersion Summer Conference' on June 26-28th, 2017 in Palm Springs Convention Center 277 N. Avenida Caballeros, Palm Springs, CA 92262.	\$615.00	\$615.00

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538865	Avid Center	San Ysidro High School	1	RQ17016291	1	ea	Registration fee for Margaret Macabasco to attend the AVID Summer Institute on June 28th-30th, 2017 at the Town and Country Hotel in Mission Valley (San Diego, CA)	\$760.00	\$760.00
538866	Institute for Educational Leadership Inc (The)	Sweetwater High School	1	RQ17016274	1	ea	Registration fee for Aimee Cuellar-Martinez to attend the 2017 National Family and Community Engagement Conference on Thursday, June 22 - 24, 2017 in San Francisco, CA	\$535.00	\$535.00
538866	Institute for Educational Leadership Inc (The)	Sweetwater High School	2	RQ17016274	1	ea	Registration fee for Maribel Gavin to attend the 2017 National Family and Community Engagement Conference on Thursday, June 22 - 24, 2017 in San Francisco, CA	\$535.00	\$535.00
538867	United Art & Education	Castle Park High School	1	RQ17015367	50	EA	Richeson Hardboard Masonite Panels, 16' x 20'	\$2.49	\$124.50
538868	Mason Crest Publishers	Bonita Vista High School	1	RQ17016759	1	lot	Critical World Issues	\$527.20	\$527.20
538868	Mason Crest Publishers	Bonita Vista High School	2	RQ17016759	1	lot	Critical World Issues-16 free print titles: Abortion, Animal Rights, Capital Punishment, Consumerism, Drugs, Equa; P[[prtimotoes. Euthanasia, Food Technology, Genetic Engineering, Genocide, Human Rights, Powverty, Racism, Refugees, Terrorism, The Arms Trade	\$0.00	\$0.00
538868	Mason Crest Publishers	Bonita Vista High School	3	RQ17016759	1	lot	Special Forces: Protecting, Building, Teaching and Fighting-10 ebooks in set	\$289.50	\$289.50
538868	Mason Crest Publishers	Bonita Vista High School	4	RQ17016759	1	lot	Special Forces: Protecting, Building, Teaching and Fighting-6 print books. (4 of the set of 10 are out of print) Army Rangers, Escape and Evasion, Green Berets, Navy SEALs, Parachute Regiment, World's Best Soldiers	\$0.00	\$0.00
538868	Mason Crest Publishers	Bonita Vista High School	5	RQ17016759	1	lot	The Making of the Modern World: 1945 to the Present-ebook set	\$269.55	\$269.55
538868	Mason Crest Publishers	Bonita Vista High School	6	RQ17016759	1	lot	The Making of the Modern World: 1945 to the Present-print book set of 9- Culture and Customs in a Connected World; Education, Poverty, and Inequality; Food, Population, and the Environment; Governance and the Quest for Security; Health and Medicine; Migration and Refugees; Science and Technology; Trade, Economic Life and Globalization; Women, Minorities, and Changing Social Structures	\$0.00	\$0.00

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538868	Mason Crest Publishers	Bonita Vista High School	7	RQ17016759	1	lot	Foundations of Democracy-set of 8 ebooks	\$239.60	\$239.60
538868	Mason Crest Publishers	Bonita Vista High School	8	RQ17016759	1	lot	Foundations of Democracy-set of 8 print books-Citizenship and Immigration; Corruption and Transparency; Employment and Workers' Rights; Gender Equality and Identity Rights; Justice, Policing, and the Rule of Law; Political Participation and Voting Rights; Religious, Cultural, and Minority Rights; Speech, Media, and Protest	\$0.00	\$0.00
538868	Mason Crest Publishers	Bonita Vista High School	9	RQ17016759	1	lot	Understanding Islam-set of 8 ebooks	\$263.60	\$263.60
538868	Mason Crest Publishers	Bonita Vista High School	10	RQ17016759	1	lot	Understanding Islam-free set of 8 print books-An Overview: Who are the Muslims?; Ideas & Daily Life in the Muslim World Today; Islam: Core Beliefs and Practices; Islamism & Fundamentalism in the Modern World; Muslim Heroes and Holy Places; Muslims in America; The Monotheistic Faiths: Judaism, Christianity, and Islam; The Struggle for Identity: Islam and the West	\$0.00	\$0.00
538868	Mason Crest Publishers	Bonita Vista High School	11	RQ17016759	1	lot	Social Progress and Sustainability-set of 10 ebooks	\$319.50	\$319.50
538868	Mason Crest Publishers	Bonita Vista High School	12	RQ17016759	1	set	Social Progress and Sustainability-freeset of 10 print books	\$0.00	\$0.00
538868	Mason Crest Publishers	Bonita Vista High School	13	RQ17016759	1	lot	Major Nations of the Modern Middle East-set of 13 ebooks	\$428.35	\$428.35
538868	Mason Crest Publishers	Bonita Vista High School	14	RQ17016759	1	lot	Major Nations of the Modern Middle East-FREE set of 13 print books. Titles include: Afghanistan, Egypt, Iran, Iraq, Israel, Jordan, The Kurds, Lebanon, Pakistan, The Palestinians, Saudi Arabia, Syria, Turkey	\$0.00	\$0.00
538868	Mason Crest Publishers	Bonita Vista High School	15	RQ17016759	1	lot	All About Professional Football-set of 10 ebooks	\$299.50	\$299.50

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538868	Mason Crest Publishers	Bonita Vista High School	16	RQ17016759	1	set	Alll About Professional Football--Free set of 10 print books. Titles include: Fantasy Football; Football and Player Safety; Inside College Football: Preparing for the Pros; Inside High School Football: A Changing Tradition; Inside Pro Football Media; Pro Football Players in the News: Two Sides of the Story; Pro Football Players in the News: Two Sides of the Story; Running Pro Football: Commissioner, Owners, Front Office, and More; The Intense World of a Pro Football Coach; The Pro Football Draft; The Super Bowl: More Than a Game	\$0.00	\$0.00
538868	Mason Crest Publishers	Bonita Vista High School	17	RQ17016759	1	lot	Immigration to North America-set of 11 ebooks	\$362.45	\$362.45
538868	Mason Crest Publishers	Bonita Vista High School	18	RQ17016759	1	lot	Immigration to North America-free set of 11 print books-Asylum Seeker, Central American Immigrants, Chinese Immigrant, Cuban Immigrants, Indian Immigrant, Mexican Immigrants, Refugees, Rights & Responsibilities of CitizenshipSouth American Immigrants, Undocumented Immigration & Homeland Security	\$0.00	\$0.00
538869	Dick Blick Company	Hilltop Middle School	1	RQ17016613	2	each	DB ENCO CONSTRUCTION ASSORTED 12X18 50CT	\$2.22	\$4.44
538869	Dick Blick Company	Hilltop Middle School	2	RQ17016613	1	EACH	BLICKACRYLIC BRT RED 64 OZ	\$11.23	\$11.23
538869	Dick Blick Company	Hilltop Middle School	3	RQ17016613	2	EACH	BLOCK PRINT PAPER 18X24 50LB 100 SHT	\$12.15	\$24.30
538869	Dick Blick Company	Hilltop Middle School	4	RQ17016613	2	EACH	BLICKACRYLIC MARS BLK 64 OZ	\$11.23	\$22.46
538869	Dick Blick Company	Hilltop Middle School	5	RQ17016613	2	EACH	BLICK WC BLOCK PRNT INK BLK 1LB	\$10.27	\$20.54
538869	Dick Blick Company	Hilltop Middle School	6	RQ17016613	2	EACH	BLICK WC BLOCK PRNT INK RED 1LB	\$10.27	\$20.54
538869	Dick Blick Company	Hilltop Middle School	7	RQ17016613	2	EACH	BLICK WC BLOCK PRNT BLU 1LB	\$10.27	\$20.54
538869	Dick Blick Company	Hilltop Middle School	8	RQ17016613	2	EACH	BLICK WC BLOCK PRNT INK YLW 1LB	\$10.27	\$20.54
538869	Dick Blick Company	Hilltop Middle School	9	RQ17016613	2	EACH	BLICK WC BLOCK PRNT INK WHT 1LB	\$10.27	\$20.54
538869	Dick Blick Company	Hilltop Middle School	10	RQ17016613	7	EACH	EDUCATIONL HARD POLY 3 IN BRAYER	\$5.33	\$37.31
538870	Dick Blick Company	Bonita Vista Middle School	1	RQ17016411	1	ea	Bordette Scalloped Borders - Black	\$2.14	\$2.14
538870	Dick Blick Company	Bonita Vista Middle School	2	RQ17016411	1	ea	Bordette Scalloped Borders - gold	\$4.72	\$4.72
538870	Dick Blick Company	Bonita Vista Middle School	3	RQ17016411	25	ea	All Purpose Chipboard (22x28)	\$0.56	\$14.00

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538870	Dick Blick Company	Bonita Vista Middle School	4	RQ17016411	1	pkg	Pacon Gray Bogus Drawing Paper (12x18) 250 sheets	\$13.32	\$13.32
538870	Dick Blick Company	Bonita Vista Middle School	5	RQ17016411	2	ea	Shade-Tex Rubbing Plate Sets - Cultural	\$5.48	\$10.96
538870	Dick Blick Company	Bonita Vista Middle School	6	RQ17016411	2	ea	Shade-Tex Rubbing Plate Sets -Textile Design	\$5.48	\$10.96
538870	Dick Blick Company	Bonita Vista Middle School	7	RQ17016411	3	ea	Shade-Tex Rubbing Plate Sets -Nature	\$5.48	\$16.44
538870	Dick Blick Company	Bonita Vista Middle School	8	RQ17016411	12	ea	Speedball Linoleum Cutter Handles Burgundy	\$2.65	\$31.80
538870	Dick Blick Company	Bonita Vista Middle School	9	RQ17016411	3	pk	Canson Watercolor Paper Packs (12x18)	\$29.16	\$87.48
538870	Dick Blick Company	Bonita Vista Middle School	10	RQ17016411	1	pk	Blick White Sulphite Drawing Paper	\$20.65	\$20.65
538870	Dick Blick Company	Bonita Vista Middle School	11	RQ17016411	10	pk	Blick Economy Construction Paper	\$2.23	\$22.30
538871	Rasix Computer Center, Inc.	Accounting	1	RQ17016650	2	ea	HP 55XD, Black Original Toner	\$161.00	\$322.00
538871	Rasix Computer Center, Inc.	Accounting	2	RQ17016650	2	ea	HP 90X, Black Original Toner	\$199.00	\$398.00
538872	Accent Electronics, Inc	Maintenance	1	RQ17016678	1	job	Provide material and labor to install fire alarm system for Maintenance Department/642 Arizona Street.	\$3,950.00	\$3,950.00
538873	Ewing Irrigation Products, Inc.	Maintenance	1	RQ17016723	150	ea	1800 np rainbird reclaimed cap item # 35004692	\$2.07	\$310.80
538873	Ewing Irrigation Products, Inc.	Maintenance	2	RQ17016723	20	ea	1/2 pvc cap t item # 04448005	\$0.43	\$8.56
538873	Ewing Irrigation Products, Inc.	Maintenance	3	RQ17016723	10	ea	1 pvc cap t item # 04448010	\$1.00	\$9.98
538873	Ewing Irrigation Products, Inc.	Maintenance	4	RQ17016723	10	ea	3/4 pvc cap t item # 04448007	\$0.63	\$6.26
538873	Ewing Irrigation Products, Inc.	Maintenance	5	RQ17016723	25	ea	15f rainbird plastic nozzle item # 35003810	\$0.83	\$20.63
538873	Ewing Irrigation Products, Inc.	Maintenance	6	RQ17016723	50	ea	15h rainbird plastic nozzle item # 35003820	\$0.83	\$41.25
538873	Ewing Irrigation Products, Inc.	Maintenance	7	RQ17016723	50	ea	15q rainbird plastic nozzle item # 35003830	\$0.83	\$41.25
538873	Ewing Irrigation Products, Inc.	Maintenance	8	RQ17016723	10	ea	3/4 pvc 90 ell ss item # 04406007	\$0.39	\$3.89
538874	Grainger, Inc.	Rancho Del Rey Middle School		RQ17016682	1	lot	Type 1 Barricade,72 In. L,Mfg Brand Name: CORTINA,Manufacturer Part No: 97-01-004-011	\$120.60	\$120.60
538875	Grainger, Inc.	Rancho Del Rey Middle School		RQ17016674	3	lot	Traffic Cone Sign,Orange w/Blk,Reserved,Mfg Brand Name: TAPCO	\$22.64	\$67.92

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538875	Grainger, Inc.	Rancho Del Rey Middle School		RQ17016674	8	lot	Channelizer Cone with,Collar,36inH,Ornge,Mfg Brand Name: CORTINA	\$30.64	\$245.12
538875	Grainger, Inc.	Rancho Del Rey Middle School		RQ17016674	1	lot	Type 1 Barricade,72 In. L,Mfg Brand Name: CORTINA,Manufacturer Part No: 97-01-004-011	\$120.60	\$120.60
538876	San Diego State University Foundation	Professional Development	1	RQ17016113	365	each	Teaching Practices from America's Best Urban Schools	\$27.96	\$10,205.40
538877	Golden Star Technology, Accounting Inc.		1	RQ17016648	1	ea	HP Color LaserJet Pro MFP M277dw, 1 year warranty	\$321.00	\$321.00
538878	Bertrands Music	Visual/Performing Arts	1	RQ17016938	20	each	Bulk D Violin 4/4	\$4.20	\$84.00
538879	Projector Lamp Services	Montgomery High School	1	RQ17016604	6		STOCK	\$64.00	\$384.00
538879	Projector Lamp Services	Montgomery High School	2	RQ17016604	2		STOCK	\$63.00	\$126.00
538880	San Diego County Superintendent of Schools	Montgomery High School	1	RQ17016436	1	ea	Registration for DANIEL COHEN to attend Leading Mathematics: An Administrator's Approach to Transfroming Mathematics Education on June 23, 2017.	\$225.00	\$225.00
538881	Troxell Communications, Inc.	Southwest Middle School	1	RQ17016478	1	ea	3D Printer Cart with locking storage	\$521.00	\$521.00
538882	VILROS	Mar Vista Academy	1	RQ17016555	15	ea	Item #ARD_KIT_22 Arduino Uno Ultimate Starter Kit + LCD Module.	\$53.99	\$809.85
538882	VILROS	Mar Vista Academy	2	RQ17016555	1	ea	10% Educational Discount.	-\$80.99	-\$80.99
538883	VILROS	National City Middle School	1	RQ17016554	15	ea	Item #ARD_KIT_22 Arduino Uno Ultimate Starter Kit + LCD Module.	\$53.99	\$809.85
538883	VILROS	National City Middle School	1	RQ17016554	1	ea	10% Educational Discount.	-\$80.99	-\$80.99
538884	VILROS	Chula Vista Middle School	1	RQ17016553	14	ea	Item #ARD_KIT_22 Arduino Uno Ultimate Starter Kit + LCD Module.	\$53.99	\$755.86
538884	VILROS	Chula Vista Middle School	2	RQ17016553	1	ea	10% Educational Discount.	-\$75.59	-\$75.59
538885	Robert Bosch Tool corp	Central Receiving	1	RQ17016644	2	ea	Item #F0133D40AA, 3D40-01 3D IDEA BUILDER-Retail Edition	\$1,299.00	\$2,598.00
538885	Robert Bosch Tool corp	Central Receiving	6	RQ17016644	1	lot	Discount per quote	-\$259.80	-\$259.80
538886	Line Printing Company (The)	Special Services	1	RQ17016916	1		Business cards, full color, white stock, 500 cards, w/logo. For Michelle Sturm-Gonzalez, Program Manager	\$40.00	\$40.00
538887	Robert Bosch Tool corp	Montgomery Middle School	1	RQ17016585	12	ea	Item #26153DBTAB, BT40-01 Dremel 3D40 Build sheet , pack 3	\$29.99	\$359.88
538887	Robert Bosch Tool corp	Montgomery Middle School	1	RQ17016585	3	ea	Item #26153D70AA, DF70-01-Filament-Natural White Translucent	\$29.99	\$89.97

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538887	Robert Bosch Tool corp	Montgomery Middle School	4	RQ17016585	4	ea	Item #26153D01AA, DF01-01 Filament-Cotton white	\$29.99	\$119.96
538887	Robert Bosch Tool corp	Montgomery Middle School	4	RQ17016585	4	ea	Item #26153D06AA, DF06-01 Filament-Dremel blue	\$29.99	\$119.96
538887	Robert Bosch Tool corp	Montgomery Middle School	4	RQ17016585	4	ea	Item #26153D03AA, DF03-01 Filament-Racecar Red	\$29.99	\$119.96
538887	Robert Bosch Tool corp	Montgomery Middle School	4	RQ17016585	4	ea	Item #26153D02AA, DF02-01 Filament-Deep Black	\$29.99	\$119.96
538887	Robert Bosch Tool corp	Montgomery Middle School	4	RQ17016585	4	ea	Item #26153D04AA, DF04-01 Filament-Electric orange	\$29.99	\$119.96
538887	Robert Bosch Tool corp	Montgomery Middle School	4	RQ17016585	4	ea	Item #26153D05AA, DF05-01 Filament-purple orchid	\$29.99	\$119.96
538887	Robert Bosch Tool corp	Montgomery Middle School	4	RQ17016585	4	ea	Item #26153D50AA, DF50-01 Filament-Silver spoon	\$29.99	\$119.96
538887	Robert Bosch Tool corp	Montgomery Middle School	4	RQ17016585	4	ea	Item #26153D51AA, DR51-01 Filament-Gold medal	\$29.99	\$119.96
538887	Robert Bosch Tool corp	Montgomery Middle School	4	RQ17016585	4	ea	Item #26153D30AA, DF30-01 Filament -Pink	\$29.99	\$119.96
538887	Robert Bosch Tool corp	Montgomery Middle School	4	RQ17016585	5	ea	Item #2615BP40AA, BP40-01-3D40 Build Platform	\$24.99	\$124.95
538887	Robert Bosch Tool corp	Montgomery Middle School	4	RQ17016585	1	ea	Pricing and Discount per Quote #1628877000004984023	-\$165.48	-\$165.48
538888	Communications USA, Inc	Central Receiving	1	RQ17016578	5	Each	CP200D, 403-470 4W 16-channel ND (with 3-year warranty).	\$300.00	\$1,500.00
538888	Communications USA, Inc	Central Receiving	2	RQ17016578	5	Each	Programming Per Unit	\$25.00	\$125.00
538889	Air Force Association	Olympian High School	1	RQ17015934	1	Lot	CyberPatriot registration fee for team 10-0422. CyberPatriot X Cyber Defense Competition (2017 - 18).	\$165.00	\$165.00
538890	Safeway Inc.	Hilltop High School	1	RQ17016624	1	Lot	Healthy snacks and drinks needed for the ASP students to be purchased by Ivan Rubio or Monica Welsh no later than May 30, 2017	\$200.00	\$200.00
538891	Rasix Computer Center, Inc.	Special Services	1	RQ17016914	1	ea	HP 641A Black toner cartridge, C9720A	\$110.00	\$110.00
538892	Tree House, Inc. (The)	Eastlake High School	1	RQ17016768	5	EA	HP 81X HIGH YIELD BLACK ORIGINAL TONER CARTRIDGE FOR LASERJET MFP M630 HP#CF281X-NO SUBSTITUTE	\$48.00	\$240.00
538893	School Specialty, Inc.	Bonita Vista High School	1	RQ17016767	2	pk	Precut Mats 11'x14' - black	\$10.65	\$21.30
538893	School Specialty, Inc.	Bonita Vista High School	2	RQ17016767	1	pk	Precut Mats 12'x16' - black	\$17.28	\$17.28
538893	School Specialty, Inc.	Bonita Vista High School	3	RQ17016767	6	ea	Now Spray Enamel - gloss black	\$2.72	\$16.32
538893	School Specialty, Inc.	Bonita Vista High School	4	RQ17016767	1	set	Reeves Painting Knives	\$15.14	\$15.14

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538893	School Specialty, Inc.	Bonita Vista High School	5	RQ17016767	6	pk	Art/Craft Swabs	\$1.16	\$6.96
538893	School Specialty, Inc.	Bonita Vista High School	6	RQ17016767	3	pk	Multicultural Construction Paper - 12'x18'	\$2.81	\$8.43
538893	School Specialty, Inc.	Bonita Vista High School	7	RQ17016767	2	pk	Self Stick Notes 3x3'	\$3.13	\$6.26
538894	Rasix Computer Center, Inc.	Sweetwater High School	1	RQ17016704	4	ea	Q2610A - Toner Cartridge for teachers: Polanco, Higgins, Gonzales, Pelletier	\$75.00	\$300.00
538894	Rasix Computer Center, Inc.	Sweetwater High School	2	RQ17016704	3	ea	C4096A - Cartridge for teachers: Sanchez, Villafana, Strickland - (NON BID PRICING PER JEFFREY KOZMA)	\$124.50	\$373.50
538894	Rasix Computer Center, Inc.	Sweetwater High School	3	RQ17016704	7	ea	CC364A - Cartridge for: Duncan, Rodriguez, Amezcua	\$125.00	\$875.00
538894	Rasix Computer Center, Inc.	Sweetwater High School	4	RQ17016704	4	ea	CE505A - Cartridge for teachers: Johnson, Spahr, Lawler, Schreier, Hermosillo, Rottier	\$66.00	\$264.00
538894	Rasix Computer Center, Inc.	Sweetwater High School	5	RQ17016704	5	ea	CF280A - Cartridge for teachers: Kavouklis, Elam, Gonzalez, Arguilez, Nunez	\$76.00	\$380.00
538894	Rasix Computer Center, Inc.	Sweetwater High School	6	RQ17016704	3	ea	Q7553A - Cartridges for teachers: Bena, Cassel, Anderson	\$59.00	\$177.00
538894	Rasix Computer Center, Inc.	Sweetwater High School	7	RQ17016704	3	ea	CF283A - Cartridges for teachers: Scanlan, Sias, Vaca	\$49.00	\$147.00
538894	Rasix Computer Center, Inc.	Sweetwater High School	8	RQ17016704	1	ea	National City Sales Tax Adjustment 8.75%	\$12.58	\$12.58
538895	Lego Education	Montgomery Middle School	1	RQ17016522	2	ea	EV3 Core Set w/Charger	\$389.95	\$779.90
538895	Lego Education	Montgomery Middle School	2	RQ17016522	2	ea	Large Building Plates Set	\$34.95	\$69.90
538895	Lego Education	Montgomery Middle School	3	RQ17016522	3	ea	Creative LEGO Brick Set	\$59.95	\$179.85
538895	Lego Education	Montgomery Middle School	4	RQ17016522	1	ea	Freight	\$51.48	\$51.48
538896	Rasix Computer Center, Inc.	Chula Vista High School	1	RQ17016008	3	Each	HP 649X Black toner cartridge HP#CE260X	\$170.00	\$510.00
538896	Rasix Computer Center, Inc.	Chula Vista High School	2	RQ17016008	2	Each	HP 648A Cyan toner cartridge HP#CE261A	\$205.00	\$410.00
538896	Rasix Computer Center, Inc.	Chula Vista High School	3	RQ17016008	2	Each	HP 648A Yellow toner cartridge HP#CE262A	\$205.00	\$410.00
538896	Rasix Computer Center, Inc.	Chula Vista High School	4	RQ17016008	2	Each	HP 648A Magenta toner cartridge HP#CE263A	\$205.00	\$410.00
538897	Sport Supply Group, Inc.	Mar Vista High School	1	RQ17016675	2	EA	Speed bag black	\$24.60	\$49.20
538897	Sport Supply Group, Inc.	Mar Vista High School	2	RQ17016675	12	EA	Zip tile flooring 28.5x28.5x3/8 black	\$15.99	\$191.88
538897	Sport Supply Group, Inc.	Mar Vista High School	3	RQ17016675	1	EA	Airman cordless air pump	\$56.99	\$56.99
538897	Sport Supply Group, Inc.	Mar Vista High School	4	RQ17016675	4	DZN	NOCSAE lacrosse balls - Yellow-dozen	\$20.99	\$83.96
538897	Sport Supply Group, Inc.	Mar Vista High School	5	RQ17016675	4	DZN	NOCSAE lacrosse ball - white (dozen)	\$20.99	\$83.96
538897	Sport Supply Group, Inc.	Mar Vista High School	6	RQ17016675	1	EA	4 stack shoulder pad rack	\$150.99	\$150.99

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538897	Sport Supply Group, Inc.	Mar Vista High School	7	RQ17016675	1	SET	Wheel options - evolution goal - set of 4	\$479.99	\$479.99
538897	Sport Supply Group, Inc.	Mar Vista High School	8	RQ17016675	12	EA	SKLZ solo football passing trainer	\$12.99	\$155.88
538897	Sport Supply Group, Inc.	Mar Vista High School	9	RQ17016675	1	EA	QB-1 pass and snap trainer	\$369.99	\$369.99
538897	Sport Supply Group, Inc.	Mar Vista High School	10	RQ17016675	1	EA	18oz wind weighted field tarp - 12'	\$300.99	\$300.99
538897	Sport Supply Group, Inc.	Mar Vista High School	11	RQ17016675	1	EA	C3 Rigidlite gameday kit	\$275.99	\$275.99
538898	Sport Supply Group, Inc.	Castle Park High School	1	RQ17016930	1	ea	Grey- MAVERIK MX GLOVE	\$45.99	\$45.99
538899	Sport Supply Group, Inc.	Mar Vista High School	1	RQ17016712	10	EA	Rawlings CNTR295 SCHSL basketball mens	\$55.99	\$559.90
538899	Sport Supply Group, Inc.	Mar Vista High School	2	RQ17016712	20	EA	SV5WSC VB-DK GRN/WH/GOLD	\$29.99	\$599.80
538900	Air Force Association	Olympian High School	1	RQ17015943	1	Lot	CyberPatriot registration fee for team 10-0421. CyberPatriot X Cyber Defense Competition (2017 - 18).	\$165.00	\$165.00
538901	Library Store (The)	Visual/Performing Arts	1	RQ17016963	1	each	Archival Document Repair Tape - 1"W x 98 ft.	\$27.95	\$27.95
538902	Union Electronics, Inc	Montgomery High School	1	RQ17016190	10		PROJECTOR LAMP	\$79.00	\$790.00
538903	Smart & Final Stores Corporation	State & Federal Programs	1	RQ17015755	1	lot	Purchase of healthy snacks, water, coffee supplies and disposable serving ware for DELAC parent meetings for May 2017.	\$100.00	\$100.00
538904	El Tapatio Restaurant Inc.	Olympian High School	1	RQ17015818	140	ea	Fiesta Mexicana Menu, Main Entree: carne asada and pollo asado (grilled onsite) , 8 oz in combination of meats. Rice and beans, accompanied with guacamole, onions, cilantro, 4 salsas, radishes, green onions, chiles toreados and chips. Assorted sodas, cookies, tortillas made onsite. Fully disposable ware: plates, utensils napkins. Set up fee	\$10.50	\$1,470.00
538904	El Tapatio Restaurant Inc.	Olympian High School	2	RQ17015818	1	ea		\$65.00	\$65.00
538905	TavosTacos Inc.	East Hills Academy	1	RQ17015419	1	lot	Teacher/Staff Appreciation Luncheon for 60 to be held on May 26, 2017 @ East Hills Academy 1791 Rock Mountain Rd. (behind Olympian High School) Food to be ready by: 1:15pm. 'The Original Package' - Carne Asada/pollo asado/adobada/onions/cilantro/guacamole/chips/salsa/rice/beans.	\$662.81	\$662.81
538906	Royal Lines Charters, LLC	Castle Park Middle School	1	RQ17014958	1	lot	Charter Bus Service CPM students goint for Educational Excursion to Balboa Park, Natural History Museum. Event on Tuesday May 30, 2017.	\$485.00	\$485.00

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538907	Royal Lines Charters, LLC	CTE (formerly ROP)	1	RQ17014666	1	lot	Round Trip Charter Service for ORH AVID Students to attend college trip to CSU Northridge, & Magic Mountain scheduled for 5/12/17.	\$1,625.00	\$1,625.00
538908	Sundance Stage Lines, Inc.	Hilltop High School	1	RQ17015809	1	lot	AP Spanish Field Trip-Huntington Library/San Marino (May 12, 2017)	\$1,311.00	\$1,311.00
538909	Presentation Products, Inc.	Eastlake Middle School	1	RQ17015510	1	ea	PP thermal transfer plus pa;per TTP - 23' purple/white	\$129.95	\$129.95
538910	United States Academic Decathlon	Southwest High School	1	RQ17015954	10	ea	NOVEL TO BE ANNOUNCED	\$6.50	\$65.00
538910	United States Academic Decathlon	Southwest High School	2	RQ17015954	1	ea	CURRICULUM PACKAGE	\$700.00	\$700.00
538910	United States Academic Decathlon	Southwest High School	3	RQ17015954	1	ea	ONLINE TESTING AND TRAINING CENTER: 10 SUBSCRIPTIONS 9 STUDENTS + 1 COACH	\$313.00	\$313.00
538910	United States Academic Decathlon	Southwest High School	4	RQ17015954	1	ea	unit 1 9 OTTC students- online access	\$154.00	\$154.00
538910	United States Academic Decathlon	Southwest High School	5	RQ17015954	1	ea	unit 2 conceptual quizzes 9 OTTC students online access	\$137.00	\$137.00
538910	United States Academic Decathlon	Southwest High School	6	RQ17015954	1	ea	Unit 2 comprehensive tests: 9 OTTC students online access	\$137.00	\$137.00
538911	Avid Center	Mar Vista Academy	1	RQ17016579	2	Ea	Registration for Eva Hinojosa and 1 administrator to attend AVID Summer Institute June 28-30, 2017	\$760.00	\$1,520.00
538912	Gallup, Inc.	Mar Vista High School	1	RQ17016271	5	EA	REGISTRATION FOR FILEMON JARA, MOISES GODOY, LAUREN MCLENNAN, EDREY LEDESMA, LIZZETTE	\$299.00	\$1,495.00
538912	Gallup, Inc.	Mar Vista High School	2	RQ17016271	1	EA	TORRES-MATTHEWS, THOMAS DUNN REGISTRATION FEE FOR RUBEN	\$299.00	\$299.00
538912	Gallup, Inc.	Mar Vista High School	3	RQ17016271	1	EA	BAEZA REGISTRATION FEE FOR HUGO	\$299.00	\$299.00
538912	Gallup, Inc.	Mar Vista High School	5	RQ17016271	1	ea	MARTINEZ DISCOUNT (GROUP RATE 5%) -\$149.50	-\$149.50	-\$149.50
538912	Gallup, Inc.	Mar Vista High School	7	RQ17016271	3	EA	REGISTRATION FOR SAVANNAH STURGES, JESSICA NEAMON, THOMAS DUNN	\$299.00	\$897.00
538913	Elena Aguilar Consulting	Curriculum	2	RQ17015879	1	ea	Daniel Crook	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	3	RQ17015879	1	ea	Melisa Odonoghue	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	4	RQ17015879	1	ea	Olga Loya-Estrada	\$750.00	\$750.00

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538913	Elena Aguilar Consulting	Curriculum	5	RQ17015879	1	ea	Elizabeth Carzoli	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	6	RQ17015879	1	ea	Melanie Broan	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	7	RQ17015879	1	ea	Georgina Meza	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	8	RQ17015879	1	ea	Ana Garcia	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	9	RQ17015879	1	ea	Emily Jimenez	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	10	RQ17015879	1	ea	Gina Vattuone	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	11	RQ17015879	1	ea	Carla Jacobs	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	12	RQ17015879	1	ea	Mabelle Glithero	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	13	RQ17015879	1	ea	Kelly Leon	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	14	RQ17015879	1	ea	Amber Dunnagan	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	15	RQ17015879	1	ea	Jeanette Gonzalez	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	16	RQ17015879	1	ea	Heather Bolles	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	17	RQ17015879	1	ea	Lisa Burgess	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	18	RQ17015879	1	ea	Patricia Blome	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	19	RQ17015879	1	ea	Ivette Sanchez	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	20	RQ17015879	1	ea	Antonio Gutierrez	\$750.00	\$750.00
538913	Elena Aguilar Consulting	Curriculum	21	RQ17015879	1	ea	Valerie Ruiz	\$750.00	\$750.00
538914	San Diego State University	Olympian High School	1	RQ17016821	1	Ea	PLTW CEA Summer Training Registration Fee for JULIO AVASAN; June 18-30, 2017	\$2,550.00	\$2,550.00
538915	AP by the Sea	Sweetwater High School	1	RQ17016309	1	ea	Registration for Janet Amezcua to attend the: AP by the Sea (English Lit Swovelin) on June 20-23, 2017. Location: USD	\$775.00	\$775.00
538916	AP by the Sea	San Ysidro High School	1	RQ17016495	1	Ea	AP English Language Registration for ANDREA GIORDANO-RINK	\$775.00	\$775.00
538916	AP by the Sea	San Ysidro High School	2	RQ17016495	1	Ea	AP World History Registration for JULIAN TORRES.	\$775.00	\$775.00

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538917	AP by the Sea	Otay Ranch HS	1	RQ17015590	1	ea	Registration Fee for Melinda Hennessey to attend AP by the Sea training at USD, San Diego (6/20/17-6/23/17)	\$775.00	\$775.00
538918	AP by the Sea	Montgomery High School	1	RQ17016368	1	ea	Registration for LAURA PUGA to attend AP by the Sea in San Diego on June 20-23	\$775.00	\$775.00
538919	CA Association of Directors of Activities	Sweetwater High School	1	RQ17016479	7	ea	Student Registration for CADA/CALS Summer Leadership Camp 2017 July 12 - 15, 2017	\$540.00	\$3,780.00
538919	CA Association of Directors of Activities	Sweetwater High School	2	RQ17016479	1	ea	Advisor Registration (Alexander.salazar-arbelaez@sweetwaterschools.org)	\$450.00	\$450.00
538920	Avid Center	CTE (formerly ROP)	2	RQ17015889	2	ea	For CPM TEACHER TBA REG IDs: 486820-Daniel Jimenez, 486819-Tessa Casteneda	\$760.00	\$1,520.00
538920	Avid Center	CTE (formerly ROP)	3	RQ17015889	1	EA	For CPM ADMIN TBA REG IDs: 494360 (WL)- Gina Galvez-Mallari	\$760.00	\$760.00
538921	Avid Center	CTE (formerly ROP)	2	RQ17015891	3	ea	For CPH TEACHER TBA REG IDs: 496978-Robert Charlton, 482773-Matthew Dunkle, 482765-Erika Osorio	\$760.00	\$2,280.00
538922	Avid Center	CTE (formerly ROP)	2	RQ17015243	3	ea	For CVM TEACHER TBA REG IDs: 479996-Isabelle Glen-Lambert, 479999-Ebber Nava, 480003-Ebony Virgle	\$760.00	\$2,280.00
538923	Avid Center	CTE (formerly ROP)	2	RQ17015244	3	ea	For ELH TEACHER TBA REG IDs: 482540-Trevor Angood, 482549-Rosa Gilliam, 482553-Andrea Linan	\$760.00	\$2,280.00
538924	Avid Center	CTE (formerly ROP)	2	RQ17015247	3	ea	For NCM TEACHER TBA REG IDs: 495131-Rocio Jasso, 495133-Joy Montiel, 495134-Linda Dye	\$760.00	\$2,280.00
538925	Avid Center	CTE (formerly ROP)	2	RQ17015240	3	ea	For BVM TEACHER TBA REG IDs: 494540-Vicki Bauer, 494855-Veronica Mendez, 482118-Celia Walker	\$760.00	\$2,280.00
538926	eMath Instrucion Inc.	Curriculum	1	RQ17015484	1	ea	Common Core Algebra I Answer Keys - Subscription Type: Teacher Plus	\$150.00	\$150.00
538926	eMath Instrucion Inc.	Curriculum	2	RQ17015484	1	ea	Common Core Algebra II Answer Keys - Subscription Type: Teacher Plus	\$150.00	\$150.00
538926	eMath Instrucion Inc.	Curriculum	3	RQ17015484	1	ea	Algebra 2 + Trigonometry Answer Keys - Subscription Type: Teacher Plus	\$125.00	\$125.00
538927	Troxell Communications, Inc.	Information Technology	1	RQ17016799	885	Ea	TCD BELB2B130 - Belkin iPad2 Wired Keyboard Stand.	\$41.75	\$36,948.75
538928	Varidesk, LLC	Legal Services Division	1	RQ17016934	1	ea	Cube Plus 48	\$495.00	\$495.00
538928	Varidesk, LLC	Legal Services Division	2	RQ17016934	1	ea	3% Discount	-\$14.85	-\$14.85
538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	5	lot	24 Compartment Large Storage Container	\$3.99	\$19.95

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538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	2	lot	24 Bin Bench Top Parts Rack	\$39.99	\$79.98
538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	3	lot	40 Bin Organizer with full Length Drawer	\$14.99	\$44.97
538929	Central Purchasing, LLC	Montgomery Middle School	4	RQ17016580	4	lot	12 Inn Four Tray Revolving Storage	\$19.99	\$79.96
538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	10	lot	2 Pc Craft Magnet Blocks	\$1.49	\$14.90
538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	5	lot	30 Watt Lightweight Solering Iron	\$3.99	\$19.95
538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	5	lot	7 In Wire Stripper With Cutter	\$4.99	\$24.95
538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	2	lot	32 Pc Screwdrive Set	\$7.99	\$15.98
538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	2	lot	400 Ft. Wire Storehouse	\$39.99	\$79.98
538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	2	lot	1500 Watt Dual Temperature Heat Gun	\$12.99	\$25.98
538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	20	lot	Lead-Free Rosin Core Solder	\$2.99	\$59.80
538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	10	lot	11 In Black Cable Ties 100pk	\$2.99	\$29.90
538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	10	lot	4 In White Cable Ties 100pk	\$1.99	\$19.90
538929	Central Purchasing, LLC	Montgomery Middle School	1	RQ17016580	5	lot	500 Pc 4 In & 8 In Fluorescent Cable Tie Assortment	\$7.99	\$39.95
538930	School Outfitters, LLC	Hilltop Middle School	1	RQ17016582	2	ea	SKU LNT-RCE3060CP, Rectangle activity table (60"x30"D) Grey Nebula Top	\$124.88	\$249.76
538931	Demoulin Brothers & Company	Chula Vista High School	1	RQ17015705	50	EA	Vivace 47" Garment Bag with 2 pouches Royal 28x47	\$9.75	\$487.50
538932	Broadway Typewriter Company Inc	Central Receiving	1	RQ17015850	1	ea	Dell XPS15; operating system: win 10 home-HE 64 bit; processor 6th generation intel core 7-6600u (dual core, 2.6ghz, 4mb cache); memory 16GB ddr4-2400mhz; hard drive 512gb pcie solid state drive INCLUDES Absolute DDS MOBILE Premium, 3 Year NBD Onsite Warranty, Custom Imaging)	\$1,993.54	\$1,993.54
538932	Broadway Typewriter Company Inc	Central Receiving	2	RQ17015850	1	ea	CA Recycle Fee	\$6.00	\$6.00
538933	Home Depot	Options Secondary School	1	RQ17016330	2	each	Replacement filter H for 5500-2	\$74.66	\$149.32
538934	Home Depot	San Ysidro High School	1	RQ17015604	1	ea	Dremel 1.1 lbs. White PLA Filament for 3D Idea Builder Printer	\$29.97	\$29.97
538934	Home Depot	San Ysidro High School	2	RQ17015604	1	ea	Dremel 1.1 lbs. Black PLA Filament for 3D Idea Builder Printer	\$29.97	\$29.97
538934	Home Depot	San Ysidro High School	3	RQ17015604	1	ea	Dremel 1.1 lbs. White Translucent PLA Filament for 3D Idea Builder Printer	\$29.97	\$29.97
538934	Home Depot	San Ysidro High School	4	RQ17015604	1	ea	Dremel 1.1 lbs. Blue PLA Filament for 3D Idea Builder Printer	\$29.97	\$29.97

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538934	Home Depot	San Ysidro High School	5	RQ17015604	1	ea	Dremel 1.1 lbs. Green PLA Filament for 3D Idea Builder Printer	\$29.97	\$29.97
538934	Home Depot	San Ysidro High School	6	RQ17015604	1	ea	Dremel 1.1 lbs. Red PLA Filament for 3D Idea Builder Printer	\$29.97	\$29.97
538934	Home Depot	San Ysidro High School	7	RQ17015604	1	ea	Dremel 1.1 lbs. Orange PLA Filament for 3D Idea Builder Printer	\$29.97	\$29.97
538934	Home Depot	San Ysidro High School	8	RQ17015604	1	ea	Dremel 1.1 lbs. Silver PLA Filament for 3D Idea Builder Printer	\$29.97	\$29.97
538934	Home Depot	San Ysidro High School	9	RQ17015604	1	ea	Dremel 1.1 lbs. Gold PLA Filament for 3D Idea Builder Printer	\$29.97	\$29.97
538934	Home Depot	San Ysidro High School	10	RQ17015604	1	ea	Dremel 1.1 lbs. Purple PLA Filament for 3D Idea Builder Printer	\$29.97	\$29.97
538935	Barnes & Noble Booksellers, USA Inc.	San Ysidro High School	1	RQ17015532	20	Ea	Easy English Step-by-Step for ESL Learners: Master English Communication Proficiency - FAST!	\$12.80	\$256.00
538936	Grainger, Inc.	Chula Vista Middle School	1	RQ17016814	2		30' Plastic Retractable Barrier. Orange With Red/White Tape	\$106.92	\$213.84
538936	Grainger, Inc.	Chula Vista Middle School	2	RQ17016814	1		No Parking Aluminum Sign	\$37.76	\$37.76
538936	Grainger, Inc.	Chula Vista Middle School	3	RQ17016814	1		Slow Sign	\$70.96	\$70.96
538936	Grainger, Inc.	Chula Vista Middle School	4	RQ17016814	8		Traffic Cones	\$14.39	\$115.12
538936	Grainger, Inc.	Chula Vista Middle School	5	RQ17016814	3		Traffice Tape	\$3.54	\$10.62
538937	B&H Photo	Central Receiving	1	RQ17016372	2	ea	Epson Powerlite 1771W WXGA Multimedia projector	\$599.99	\$1,199.98
538937	B&H Photo	Central Receiving	2	RQ17016372	2	ea	Epson DC-21 Document Camera	\$553.50	\$1,107.00
538938	Flinn Scientific, Inc.	Mar Vista High School	1	RQ17016911	6	EA	DIGITAL MICSCOPE, HANDHELD	\$60.95	\$365.67
538938	Flinn Scientific, Inc.	Mar Vista High School	2	RQ17016911	4	EA	HYDROMETER, UNIVERSAL	\$17.81	\$71.23
538938	Flinn Scientific, Inc.	Mar Vista High School	3	RQ17016911	3	EA	WATER SAMPLER	\$80.33	\$240.98
538938	Flinn Scientific, Inc.	Mar Vista High School	4	RQ17016911	1	EA	WATER SAMPLER BOTTLE	\$119.47	\$119.47
538938	Flinn Scientific, Inc.	Mar Vista High School	5	RQ17016911	1	EA	PLANKTON NET	\$85.64	\$85.64
538938	Flinn Scientific, Inc.	Mar Vista High School	6	RQ17016911	4	EA	HYDROMETER CYLINDER, 500ML	\$25.76	\$103.02
538938	Flinn Scientific, Inc.	Mar Vista High School	7	RQ17016911	1	EA	SECCHI DISK	\$52.06	\$52.06
538939	Rasix Computer Center, Inc.	Chula Vista Adult School	1	RQ17016976	2	EA	HP 26X, (CF226X) High-Yield Black Original LaserJet Toner Cartridge	\$138.00	\$276.00
538939	Rasix Computer Center, Inc.	Chula Vista Adult School	2	RQ17016976	2	EA	HP 85A, (CE285A) Black Original LaserJet Toner Cartridge	\$51.00	\$102.00
538940	Varidesk, LLC	Business Services	1	RQ17016953	1	each	The Mat 36	\$60.00	\$60.00
538941	Varidesk, LLC	San Ysidro High School	1	RQ17016709	1	lot	Cube Plus 48 inch black	\$495.00	\$495.00

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538942	Apple Computer Inc.	Central Receiving	1	RQ17016152	1	Ea	Bretford Mobility Cart 20 for MacBook	\$1,199.95	\$1,199.95
538943	Broadway Typewriter Company Inc	Central Receiving	1	RQ17016156	20	Ea	HP Probook 440 G3 Notebook PC. Includes 3yr warranty, 3yr Computrace and Imaging (Pricing per Quote# CTH16-107E, Contract MNWNC-115 per Resolution 4437 7-11-2016)	\$837.00	\$16,740.00
538943	Broadway Typewriter Company Inc	Central Receiving	2	RQ17016156	1	Ea	Bretford CoreX TCoreX36 Cart (Quote# CT16-111)	\$1,140.00	\$1,140.00
538943	Broadway Typewriter Company Inc	Central Receiving	3	RQ17016156	20	Ea	CA Electronic Recycling Fee	\$3.00	\$60.00
538944	SupplyMaster, Inc.	Leadership Development & Systems	1	RQ17016653	1	Each	HP Color LaserJet Pro MFP M477nw , CF377A#BGJ	\$378.00	\$378.00
538945	SupplyMaster, Inc.	Adult Resource Center	1	RQ17016864	1	ea	HP LaserJet Pro 400 M402dne Printer 1yr warranty	\$218.00	\$218.00
538946	Golden Star Technology, Inc.	Central Receiving	1	RQ17016909	2	Ea	HP LaserJet Enterprise M506n Printer	\$487.19	\$974.38
538947	Learning A-Z, LLC	Rancho Del Rey Middle School		RQ17016987	1	lot	SCIENCE A-Z 1X 05/03/2018 License	\$89.95	\$89.95
538948	Helfman, David	Visual/Performing Arts	1	RQ17016971	10	ea	CPR/First Aid training and certification for 10 staff members that will be employed at the SUHSD Summer Arts Academy by the VAPA Dept. Training to be provided on May 18, 2017, 4:00-6:00 pm Coster per person/\$40 to include a two year certificate. Not to exceed \$400, all Invoices are to be sent to VAPA 670 L St., Ste. C, Chula Vista, CA 91911 Attn: Robin Cartwright	\$40.00	\$400.00
538949	Faria Systems Inc.	Bonita Vista High School	1	RQ17016870	1	Lot	Diploma Core: 100 students from Jun 15, 2017 to Jun 14, 2018	\$1,500.00	\$1,500.00
538950	Apple Computer Inc.	Central Receiving	1	RQ17016779	1	each	MacBook Pro 13 inch 2.7 GHz dual-core i5, 128GB - Silver 065.-C2Q1 2.7 GHz Dual-core Intel Core i6, Turbo Boost up to 3.1GHz, 065-C2Q5, 8GB 1866 MHz LPDDR3, SDRAM, 65-C2Q8 128 GB PCIe-based Flash Storage 65-c2!7 Intel iris Graphics 6100 65-C304 Force Touch trackpad, 065-C2T0 Backlit keyboard English/User's Guide English	\$1,199.00	\$1,199.00
538950	Apple Computer Inc.	Central Receiving	2	RQ17016779	1	each	Moshi Mini DisplayPort to HDMI Adapter (4K)	\$34.95	\$34.95
538950	Apple Computer Inc.	Central Receiving	3	RQ17016779	1	each	Mini Display Port to VGA Adapter	\$29.00	\$29.00
538950	Apple Computer Inc.	Central Receiving	4	RQ17016779	1	each	eWaste Fee/Recycling Fee	\$5.00	\$5.00

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538950	Apple Computer Inc.	Central Receiving	5	RQ17016779	1	each	Absolute Comptrace Comp CPS ACAD POS 3Y	\$74.00	\$74.00
538950	Apple Computer Inc.	Central Receiving	6	RQ17016779	1	each	AppleCare Protection Plan Auto Enroll	\$183.00	\$183.00
538951	EBSCO Industries, Inc.	Mar Vista Academy	1	RQ17016591	1	lot	542984133 Make: Technology on your time. Less 2% Discount. One year subscription. contact: nicole.link@sweetwaterschools.org /MVA 619.628.5100	\$32.25	\$32.25
538951	EBSCO Industries, Inc.	Mar Vista Academy	3	RQ17016591	1		Change Order #1 per revised Bid, 05-09-2017 DP	\$2.00	\$2.00
538952	EBSCO Industries, Inc.	Montgomery Middle School	1	RQ17016588	1	lot	542984133 Make: Technology on your time. Less 2% Discount. one year subscription. MOM contact: Jose Vargas Jr. jose.vargasjr@sweetwaterschools.org MOM 619.662.8200	\$32.25	\$32.25
538952	EBSCO Industries, Inc.	Montgomery Middle School	1	RQ17016588	1	lot	Change Order #1 per revised bid, 05-09-2017 DP	\$2.00	\$2.00
538953	EBSCO Industries, Inc.	Chula Vista Middle School	1	RQ17016597	1	lot	542984133 Make: Technology on your time. Less 2% Discount. One year subscription. contact: bian.deyo@sweetwaterschools.org /CVM 619.498.6800	\$34.25	\$34.25
538954	E-filliate Incorporated	Special Services	1	RQ17016670	2	ea	SwingHolder Floor Stand for all full-size iPad models, Black	\$199.00	\$398.00
538955	El Tapatio Restaurant Inc.	Educational Technology	1	RQ17016996	45	ea	Weddings: Flavor of Mexico: Choice of Two Main Entrees: Beef Steak Ranchero 35 Chicken Ranchero 10 Choice of two side dishes: Rice and BeansChips and SalsaCookiesAssorted Sodas Delivery Fee	\$10.50	\$472.50
538955	El Tapatio Restaurant Inc.	Educational Technology	2	RQ17016996	1	ea		\$25.00	\$25.00
538956	Technology in Education	National City Middle School	1	RQ17015969	1	ea	Flat Panel, HoverCam CenterStage 86i	\$4,899.00	\$4,899.00
538956	Technology in Education	National City Middle School	1	RQ17015969	1	ea	Electronic Teaching Podium, HoverCam Pilot, Man Adjustment, Win (motoized, HDMI wireless, computer components)	\$1,799.00	\$1,799.00
538956	Technology in Education	National City Middle School	1	RQ17015969	1	ea	HoverCam CenterStage Stand, Man Adj (furniture piece, not motorized)	\$799.00	\$799.00
538956	Technology in Education	National City Middle School	1	RQ17015969	1	ea	5-Year Extended Warranty, CS86	\$1,153.00	\$1,153.00
538956	Technology in Education	National City Middle School	1	RQ17015969	1	ea	5-Year Extended Warranty, Pilot	\$423.00	\$423.00
538956	Technology in Education	National City Middle School	1	RQ17015969	1	lot	Shipping/Installation	\$417.00	\$417.00
538957	Lego Education	Mar Vista Academy	1	RQ17016473	6	Set	EV3 Core Set	\$389.95	\$2,339.70
538957	Lego Education	Mar Vista Academy	2	RQ17016473	6	Set	Simple & Powered Machines Base Set	\$169.95	\$1,019.70

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538957	Lego Education	Mar Vista Academy	3	RQ17016473	1	ea	Freight	\$134.38	\$134.38
538958	Herrera, Alberto C.	Southwest Middle School	1	RQ17016341	50	EA	BLACK SHORTS - 5YL, 10YXL, 10S, 10M, 10L, 5XL	\$6.95	\$347.50
538958	Herrera, Alberto C.	Southwest Middle School	2	RQ17016341	20	EA	SOCCER SHIRTS W/SOCCER LOGO & NUMBERS - GOLD - 5YL, 5S, 5M, 5L	\$13.95	\$279.00
538958	Herrera, Alberto C.	Southwest Middle School	3	RQ17016341	20	EA	TRACK SHIRTS W/TRACK LOGO & NUMBERS - GOLD - 5YL, 5S, 5M, 5L	\$13.95	\$279.00
538958	Herrera, Alberto C.	Southwest Middle School	4	RQ17016341	20	EA	FIELD HOCKEY SHIRTS W/FIELD HOCKEY LOGO & NUMBERS - GOLD - 5YL, 5S, 5M, 5L	\$13.95	\$279.00
538959	Fully Inc	Educational Technology	1	RQ17017018	2	EA	ItemJARVIS BAMBOO ADJUSTABLE STANDING DESKSKU: JRV-BOOTop Shape - Start Here:2 x Rectangle (starts at 30' wide) Top Size2 x 30 x 27' Wire Management Grommets2 x No, Thanks. Frame Color2 x Black Desk Height Range2 x Mid Range - Desk Heights from 27.25' to 46.5' - Save - Handset2 x Standard Up/Down Switch Locking Casters2 x Please Add Chameleon Square Pouf with Lam top- and Power, Grade2Laminate: Wilsonart-kensington maple (963)Fabric: Cadet OAR 4-Leg Nesting Chair (Adults)Padded Seat, Padded BackShell: BlackFabric: Black Hardwood Manikin, 12' Male	\$474.00	\$948.00
538960	Chip Enterprises Inc	Educational Technology	1	RQ17017002	1	ea	Hardwood Manikin, 12' Female	\$1,412.31	\$1,412.31
538960	Chip Enterprises Inc	Educational Technology	2	RQ17017002	24	ea	Artist's Journal Workshop: Creating Your Life in Words and Pictures	\$215.38	\$5,169.12
538961	Dick Blick Company	Castle Park High School	1	RQ17016197	1	EA	Watercolor Pad, 30 sheets, Landscape, Euro Fold 12' x 18'	\$3.97	\$3.97
538961	Dick Blick Company	Castle Park High School	2	RQ17016197	1	EA	Watercolor Pad, 30 sheets, Landscape, Euro Fold 9' x 12'	\$3.97	\$3.97
538961	Dick Blick Company	Castle Park High School	3	RQ17016197	1	EA	Watercolor Pad, 30 sheets, Landscape, Euro Fold 18' x 24'	\$16.32	\$16.32
538961	Dick Blick Company	Castle Park High School	4	RQ17016197	15	EA	Blick Liquid Watercolor, Blue 237 ml	\$10.70	\$160.50
538961	Dick Blick Company	Castle Park High School	5	RQ17016197	10	EA	Blick Liquid Watercolor, Yellow, 237 ml	\$5.11	\$51.10
538961	Dick Blick Company	Castle Park High School	6	RQ17016197	1	EA	Blick Liquid Watercolor, Red, 237 ml	\$19.00	\$19.00
538961	Dick Blick Company	Castle Park High School	7	RQ17016197	2	EA	Academic Canvas, Pkg of 2 11' x 14' 5/8	\$2.87	\$5.74
538961	Dick Blick Company	Castle Park High School	8	RQ17016197	2	EA	SODIUM LUMPS	\$2.87	\$5.74
538961	Dick Blick Company	Castle Park High School	9	RQ17016197	2	EA		\$2.87	\$5.74
538961	Dick Blick Company	Castle Park High School	10	RQ17016197	10	EA		\$3.92	\$39.20
538962	Flinn Scientific, Inc.	Mar Vista High School	1	RQ17015622	1	EA		\$17.03	\$17.03

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538962	Flinn Scientific, Inc.	Mar Vista High School	2	RQ17015622	2	EA	POTASSIUM LAB. GRADE	\$19.58	\$39.16
538962	Flinn Scientific, Inc.	Mar Vista High School	3	RQ17015622	1	EA	CHEM. TIME CLOCK	\$29.00	\$29.00
538963	Flinn Scientific, Inc.	Bonita Vista High School	1	RQ17015433	12	ea	Beakers - 250mL, pkg of 12	\$2.74	\$32.84
538963	Flinn Scientific, Inc.	Bonita Vista High School	2	RQ17015433	2	ea	Voltaic cell	\$35.49	\$70.98
538963	Flinn Scientific, Inc.	Bonita Vista High School	3	RQ17015433	1	ea	Flinn electronic balance	\$253.30	\$253.30
538963	Flinn Scientific, Inc.	Bonita Vista High School	4	RQ17015433	50	ea	Test tube, 18x150, pkg of 50	\$0.68	\$34.00
538964	TFH (USA) Ltd	Castle Park High School	1	RQ17014942	1	ea	Bouncy Bands Chairs	\$14.00	\$14.00
538965	Stopper Group (The)	Eastlake High School	1	RQ17016144	5	EA	OAP EARSET WITH CUSTOM p4 AT ENDS	\$118.00	\$590.00
538966	Bertrands Music	Central Receiving	1	RQ17016977	2	each	L6 Bari Sax	\$4,649.00	\$9,298.00
538967	CDW Government, Inc.	Montgomery High School	1	RQ17017038	3	ea	Contour PRO3 USB Wired Roller Mouse, Black	\$256.03	\$768.09
538968	Oxford University Press	Hilltop High School	1	RQ17016627	17	ea	Listening and Speaking Card ISBN 9780194818070	\$29.95	\$509.15
538968	Oxford University Press	Hilltop High School	2	RQ17016627	17	ea	Listening and Speaking Code Card ISBN 9780194818407	\$29.95	\$509.15
538968	Oxford University Press	Hilltop High School	3	RQ17016627	17	ea	Listening and Speaking Code Card ISBN 9780194818728	\$29.95	\$509.15
538968	Oxford University Press	Hilltop High School	4	RQ17016627	17	ea	Listening and Speaking Code Card ISBN 9780194819046	\$29.95	\$509.15
538968	Oxford University Press	Hilltop High School	5	RQ17016627	17	ea	Listening and Speaking Level 4 - Student Book with Student Access Code Card ISBN 9780194819282	\$29.95	\$509.15
538968	Oxford University Press	Hilltop High School	6	RQ17016627	17	ea	Listening and Speaking Level 5 - Student Book with Student Access Code Card ISBN 9780194819527	\$29.95	\$509.15
538968	Oxford University Press	Hilltop High School	7	RQ17016627	17	ea	Reading and Writing Card 9780194818056	\$29.95	\$509.15
538968	Oxford University Press	Hilltop High School	8	RQ17016627	17	ea	Reading and Writing LEVEL 1 -STUDENT BOOK w/Student Access Code Card 9780194818384	\$29.95	\$509.15
538968	Oxford University Press	Hilltop High School	9	RQ17016627	17	ea	Reading and Writing LEVEL 2 - STUDENT BOOK w/Student Access Code Card 9780194818704	\$29.95	\$509.15
538968	Oxford University Press	Hilltop High School	10	RQ17016627	17	ea	Reading and Writing LEVEL 3 - STUDENT BOOK w/Student Access Code Card 9780194819022	\$29.95	\$509.15
538968	Oxford University Press	Hilltop High School	11	RQ17016627	17	ea	Reading and Writing LEVEL 4 - - STUDENT BOOK w/Student Access Code Card 9780194819268	\$29.95	\$509.15

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538968	Oxford University Press	Hilltop High School	12	RQ17016627	17	ea	Reading and Writing LEVEL 5 - - STUDENT BOOK w/Student Access Code Card 9780194819503	\$29.95	\$509.15
538968	Oxford University Press	Hilltop High School	13	RQ17016627	60	ea	Q Online Practice - Student Access Code Card 9780194818032	\$4.00	\$240.00
538969	Smart & Final Stores Corporation	Mar Vista High School	1	RQ17016931	1	LOT	Healthy snacks, waters and coffee items for Staff Recognition to be purchased by Sandra Angeli no later than May 12, 2017.	\$200.00	\$200.00
538970	Kouri, Carrie A.	Special Services	1	RQ17016440	1	ea	Porcupine ball	\$10.95	\$10.95
538970	Kouri, Carrie A.	Special Services	2	RQ17016440	2	ea	Hairy Tangle Jr	\$6.95	\$13.90
538970	Kouri, Carrie A.	Special Services	3	RQ17016440	1	ea	Scooper Plate with suction Cup Base	\$7.95	\$7.95
538971	Line Printing Company (The)	Olympian High School	1	RQ17016889	1	ea	FULL COLOR B/W WITH LOGO 1,000/BOX PREMIUM BRIGHT WHITE FOR: OHS	\$46.00	\$46.00
538972	Reuben H. Fleet Science Center	National City Middle School	1	RQ17015902	56	each	Entrance Student Tickets, National Parks Adventure, 05/18/17 10:45 AM	\$7.00	\$392.00
538973	Innovative Therapy 4 Kids	Special Services	1	RQ17016051	1	LOT	Assessment services as requested by the Director of Special Services. Billed at \$900 plus associated costs per assessment. Assessments over the \$900 require prior approval by the Director of Special Services.	\$3,000.00	\$3,000.00
538974	Maintex, Inc.	Alternative Education	1	RQ17017035	1	Each	Pro Series 32 in. Black Pick Up Tool	\$14.26	\$14.26
538974	Maintex, Inc.	Alternative Education	2	RQ17017035	1	Each	RECEPT 23gl WALL HUGGER GRA 8322 CON 4/CS	\$30.99	\$30.99
538975	Maintex, Inc.	Options Secondary School	3	RQ17017048	1	each	Classic Maxi Pads size #8	\$56.06	\$56.06
538976	Grainger, Inc.	Bonita Vista Middle School	1	RQ17016375	4	ea	Megaphone, 14-1/4 in., siren	\$76.50	\$306.00
538976	Grainger, Inc.	Bonita Vista Middle School	2	RQ17016375	6	ea	Industrial LED Handheld Flashlight, Aluminum	\$29.11	\$174.66
538976	Grainger, Inc.	Bonita Vista Middle School	3	RQ17016375	2	ea	Lime w/ Silver Stripe High Visibility Vest, ANSI 2, Hook & Loop Closure (XL)	\$46.04	\$92.08
538976	Grainger, Inc.	Bonita Vista Middle School	4	RQ17016375	1	ea	Lime w/ Silver Stripe High Visibility Vest, ANSI 2, Hook & Loop Closure (L)	\$46.04	\$46.04
538977	Grainger, Inc.	Montgomery Middle School	1	RQ17016471	1	EA	CONDOR YELLOW/GREEN WITH SILVER STRIPE HIGH VISIBILITY VEST, ANSI 2, ZIPPER CLOSURE. SIZE: 2XL	\$19.92	\$19.92
538977	Grainger, Inc.	Montgomery Middle School	1	RQ17016471	1	EA	CONDOR YELLOW/GREEN WITH SILVER STRIPE HIGH VISIBILITY VEST, ANSI 2, ZIPPER CLOSURE, M	\$19.92	\$19.92
538977	Grainger, Inc.	Montgomery Middle School	1	RQ17016471	1	EA	AMPLIVOX SOUND SYSTEMS MEGAPHONE, 1 MI, 14IN, L, ABS PLASTIC	\$193.05	\$193.05

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538977	Grainger, Inc.	Montgomery Middle School	4	RQ17016471	1	EA	CONDOR UNISEX YELLOW PVC 3-PIECE RAINSUIT WITH DETACHABLE HOOD, SIZE: M, FITS CHEST SIZE: 40' TO 42'	\$18.58	\$18.58
538977	Grainger, Inc.	Montgomery Middle School	4	RQ17016471	1	EA	CONDOR FR RAIN BIB OVERALL, YLW, 3XL	\$39.40	\$39.40
538977	Grainger, Inc.	Montgomery Middle School	4	RQ17016471	4	EA	ABILITY ONE ACCIDENT PREVENTION, PLASTIC, 24 5/8' X 10 3/4', FREE STANDING FLOOR SIGN (CAUTION WET FLOOR SIGN)	\$16.28	\$65.12
538977	Grainger, Inc.	Montgomery Middle School	4	RQ17016471	4	EA	FULHAM FIREHORSE EXIT LIGHTING 1 FACE LED EXIT SIGN, WHITE PLASTIC HOUSING, RED LETTER COLOR	\$19.42	\$77.68
538978	Grainger, Inc.	Mar Vista High School	1	RQ17016312	16	EA	DELINEATOR POST, 45' DELINEATOR HEIGHT, GREEN, HDPE, 1 EA	\$24.04	\$384.64
538978	Grainger, Inc.	Mar Vista High School	2	RQ17016312	3	EA	BARRICADE TAPE, YELLOW/BLACK, 1000FT. X 3IN.	\$3.54	\$10.62
538979	Grainger, Inc.	Castle Park High School	1	RQ17016394	3	each	Type 1 Barricade, 96 In. L	\$131.40	\$394.20
538979	Grainger, Inc.	Castle Park High School	2	RQ17016394	3	each	Traffic Cone, 28' Cone Height, Orange, PVC	\$15.56	\$46.68
538980	Grainger, Inc.	Chula Vista High School	1	RQ17016400	2	EA	ITEM #13P896 TRAFFIC BARREL ,4-1-1/2 IN.h,9LBS	\$155.75	\$311.50
538980	Grainger, Inc.	Chula Vista High School	2	RQ17016400	10	EA	ORANGE CONE ITEM 6FGZ9	\$29.15	\$291.50
538981	Grainger, Inc.	Eastlake High School	1	RQ17016395	10	EA	Traffic Cone, 28' Cone Height, Orange, PVC	\$15.56	\$155.60
538981	Grainger, Inc.	Eastlake High School	2	RQ17016395	4	EA	Barricade Sign, Do Not Enter, 45 in. H	\$69.72	\$278.88
538982	Grainger, Inc.	Olympian High School	1	RQ17016505	25	ea	Barricade Tape, Yellow/Black, 1000ft x 3In	\$17.84	\$446.00
538982	Grainger, Inc.	Olympian High School	2	RQ17016505	2	ea	Barricade Sign, Parking Lot Closed, 45in H Mfg Brand Name:PLASTICADE Mfr. Model #136-WLGQ2438-OBEG	\$113.75	\$227.50
538983	Barnes & Noble Booksellers, USA Inc.	Sweetwater High School	1	RQ17016266	5	ea	Teaching Practices from America's Best Urban Schools: A Guide for School and Classroom Leaders	\$34.95	\$174.75
538984	Barnes & Noble Booksellers, USA Inc.	Palomar High School	1	RQ17015703	2	ea	Límites con los adolescentes: Cuando decir 'si', como decir no, Paperback (ISBN-13: 9780829746297	\$10.39	\$20.78
538984	Barnes & Noble Booksellers, USA Inc.	Palomar High School	2	RQ17015703	2	ea	Positive Discipline for Teenagers, Revised 3rd Edition: Empowering Your Teens and Yourself Through Kind and Firm Parenting. Paperback (ISBN-13: 9780770436551)	\$13.60	\$27.20
538984	Barnes & Noble Booksellers, USA Inc.	Palomar High School	3	RQ17015703	2	ea	111 Sugerencias para padres de adolescentes, Paperback (ISBN-13: 9781537515571)	\$7.99	\$15.98

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538984	Barnes & Noble Booksellers, USA Inc.	Palomar High School	4	RQ17015703	2	ea	Parenting a Teen Who Has Intense Emotions: DBT Skills to Help Your Teen Navigate Emotional and Behavioral Challenges, Paperback (ISBN-13: 9781626251885)	\$13.56	\$27.12
538985	Barnes & Noble Booksellers, USA Inc.	Options Secondary School 1		RQ17016048	10	each	Algebra Success in 20 minutes a day 5th edition learning express paperback, website price.	\$14.40	\$144.00
538985	Barnes & Noble Booksellers, USA Inc.	Options Secondary School 2		RQ17016048	10	each	Geometry Success in 20 minutes a day 3rd edition learning express paperback, website price	\$14.40	\$144.00
538986	TPRS Publishing, Inc.	San Ysidro High School	1	RQ17013241	1	Ea	NOV- VERDAD: Brandon Brown dice la verdad	\$6.00	\$6.00
538986	TPRS Publishing, Inc.	San Ysidro High School	2	RQ17013241	1	Ea	NOV-PERRO Brandon Brown quiere un perro	\$6.00	\$6.00
538986	TPRS Publishing, Inc.	San Ysidro High School	3	RQ17013241	1	Ea	NOV-CARL: Carl no quiere ir a Mexico	\$6.00	\$6.00
538986	TPRS Publishing, Inc.	San Ysidro High School	4	RQ17013241	1	Ea	NOV-CAPIBARA: El Capibara Con Botas	\$6.00	\$6.00
538986	TPRS Publishing, Inc.	San Ysidro High School	5	RQ17013241	1	Ea	NOV-PABLITO: El Raton Pablito	\$6.00	\$6.00
538986	TPRS Publishing, Inc.	San Ysidro High School	6	RQ17013241	1	Ea	NOV-DETECTIVES: Los Ninos Detectives	\$6.00	\$6.00
538986	TPRS Publishing, Inc.	San Ysidro High School	7	RQ17013241	1	Ea	NOV-POBRECITA: Pobrecita Ana, va uno por uno	\$6.00	\$6.00
538986	TPRS Publishing, Inc.	San Ysidro High School	8	RQ17013241	1	Ea	NOV-ISABELLA: Las Aventuras de Isabela	\$6.00	\$6.00
538986	TPRS Publishing, Inc.	San Ysidro High School	9	RQ17013241	1	Ea	NOV-YUCATAN: Brandon Brown versus Yucatan	\$6.00	\$6.00
538986	TPRS Publishing, Inc.	San Ysidro High School	10	RQ17013241	1	Ea	NOV-BERTO: Berto y sus buenas ideas	\$6.00	\$6.00
538987	CDW Government, Inc.	Business Services	1	RQ17016946	1	ea	Contour PRO3 USB Wired Roller Mouse	\$256.03	\$256.03
538988	School Specialty, Inc.	Bonita Vista High School	1	RQ17016464	2	ea	Porcelain Markerboard (2) - 40 in H x 30 in W - Aluminum	\$527.96	\$1,055.92
538989	CDW Government, Inc.	Adult Resource Center	1	RQ17016867	6	ea	Seagate Backup Plus Slim 1 TB External HDD	\$64.31	\$385.86
538990	Broadway Typewriter Company Inc	Central Receiving	1	RQ17016922	1	each	Microsoft surface pro 4; operationing system: windows 10 pro; processor: corei7 6650U / 2.2 GHz; memory: 16GB RAM; hard drive: 256GB SSD; webcam: 8 megapixel (back), 5 megapixel (front); display: 12.3' touchscreen 2736 x 1824; wireless: 802.11n/ac, bluetooth 4.0; warranty: 1 year warranty; misc: asset tag and delivery to warehouse	\$1,619.00	\$1,619.00

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538990	Broadway Typewriter Company Inc	Central Receiving	2	RQ17016922	1	each	CA electronic waste recycling fee - non taxable	\$5.00	\$5.00
538990	Broadway Typewriter Company Inc	Central Receiving	3	RQ17016922	1	each	microsoft surface pro 4 type cover - bright blue keyboard	\$104.99	\$104.99
538990	Broadway Typewriter Company Inc	Central Receiving	4	RQ17016922	1	each	power adapter - 65 watt - commercial - for surface book, pro 4	\$63.99	\$63.99
538990	Broadway Typewriter Company Inc	Central Receiving	5	RQ17016922	1	each	microsoft surface pen silver	\$47.99	\$47.99
538990	Broadway Typewriter Company Inc	Central Receiving	6	RQ17016922	1	each	upgrade to 3 year warranty	\$88.00	\$88.00
538990	Broadway Typewriter Company Inc	Central Receiving	7	RQ17016922	1	each	absolute computrace 3 year complete	\$56.00	\$56.00
538990	Broadway Typewriter Company Inc	Central Receiving	8	RQ17016922	1	each	surface edition - mouse - optical - 2 buttons - wireless - bluetooth - dark titanium	\$59.00	\$59.00
538991	CDW Government, Inc.	Chula Vista Adult School	1	RQ17016772	58	ea	Tripp Lite 1ft Cat6 Gigabit Molded Patch Cable RJ45 M/M 550MHz 24 AWG Blue	\$2.53	\$146.74
538991	CDW Government, Inc.	Chula Vista Adult School	2	RQ17016772	7	ea	Tripp Lite 5ft Cat6 Gigabit Molded Patch Cable RJ45 M/M 550MHz 24 AWG Blue	\$4.23	\$29.61
538991	CDW Government, Inc.	Chula Vista Adult School	3	RQ17016772	20	ea	Belkin 8ft Green Cat6 Snagless Patch Cable UTP 550MHz -Green 8'	\$6.77	\$135.40
538991	CDW Government, Inc.	Chula Vista Adult School	4	RQ17016772	14	ea	Tripp Lite 14ft Cat6 Gigabit Molded Patch Cable RJ45 M/M 550MHz 24AWG Black	\$6.78	\$94.92
538991	CDW Government, Inc.	Chula Vista Adult School	5	RQ17016772	7	ea	Panduit TX6 PLUS patch cable →18 ft -offwhite	\$15.26	\$106.82
538992	Hydrosprout, Inc.	Hilltop High School	1	RQ17016893	1	Lot	Hydroseed Installation: Approximate square feet: 5,000, 2200 #/acre wood fiber mulch, 150 #/acre binder, 400 #/acre 15-15-15 fertilizer, 435 #/acre pro sportsfield nitro seed mix @ 10 lbs/1000 sp ft.	\$1,365.00	\$1,365.00
538992	Hydrosprout, Inc.	Hilltop High School	2	RQ17016893	1	Lot	Quote Number: MW51171015, ESTIMATE: \$1365.00 or \$ 0.2730 Per Sq Ft	\$0.00	\$0.00
538993	Grainger, Inc.	San Ysidro High School	1	RQ17016719	10	lot	AA Standard Battery, Duracell Procell, Alkaline, PK24	\$5.61	\$56.10
538993	Grainger, Inc.	San Ysidro High School	2	RQ17016719	2	lot	AAA Standard Battery, Duracell Procell, Alkaline, PK24	\$5.61	\$11.22
538993	Grainger, Inc.	San Ysidro High School	3	RQ17016719	12	lot	9V Standard Battery, Duracell Procell, Akaline, PK24	\$12.90	\$154.80
538993	Grainger, Inc.	San Ysidro High School	4	RQ17016719	2	lot	1-5/8' Steel Drywall Screws with Flat Countersunk Head Type: PK500	\$7.65	\$15.30
538993	Grainger, Inc.	San Ysidro High School	5	RQ17016719	2	lot	1-1/4' Steel Drywall Screws with Flat Countersunk Head Type: PK500	\$6.30	\$12.60
538993	Grainger, Inc.	San Ysidro High School	6	RQ17016719	3	lot	3' Steel Drywall Screws: PK200	\$6.84	\$20.52

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538993	Grainger, Inc.	San Ysidro High School	7	RQ17016719	1	lot	1 Gal. Aliphatic Resin Carpenter's Wood Glue, Yellow	\$30.78	\$30.78
538993	Grainger, Inc.	San Ysidro High School	8	RQ17016719	3	lot	Painters Masking Tape, 60 yd. x1', Blue, 5.70 Mil	\$6.53	\$19.59
538993	Grainger, Inc.	San Ysidro High School	9	RQ17016719	2	lot	1', 1 1/2', 2' Chip Polyester Paint Brush Set, Soft, for all Paint & Coatings	\$16.83	\$33.66
538993	Grainger, Inc.	San Ysidro High School	10	RQ17016719	2	lot	3' Chip Polyester/Nylon Paint Brush, Firm, for all Paint & Coatings	\$10.20	\$20.40
538994	Golden Star Technology, Inc.	Central Receiving	1	RQ17016952	1	ea	HP LaserJet Enterprise M506x, 1yr warranty	\$711.73	\$711.73
538995	Avid Center	CTE (formerly ROP)	2	RQ17016800	1	ea	For HTM Teacher REG IDs: 478477-Bella Liu	\$760.00	\$760.00
538996	Flinn Scientific, Inc.	Olympian High School	1	RQ17016789	1	EA	FLOATING MICROCENTRIFUGE TUBE	\$11.31	\$11.31
538996	Flinn Scientific, Inc.	Olympian High School	2	RQ17016789	1	EA	LIGHT BOX	\$102.83	\$102.83
538996	Flinn Scientific, Inc.	Olympian High School	3	RQ17016789	2	EA	PLUGS, FOAM, WHITE 27 - 34MM	\$4.05	\$8.10
538996	Flinn Scientific, Inc.	Olympian High School	4	RQ17016789	1	EA	METABOLISM EXPERIMENT KIT	\$63.32	\$63.32
538996	Flinn Scientific, Inc.	Olympian High School	5	RQ17016789	1	LOT	QUOTE NUMBER: 158894	\$0.00	\$0.00
538997	Paredes, Jesus I.	Chula Vista Middle School	1	RQ17016837	40	ea	Augusta 4350 Apron	\$18.00	\$720.00
538997	Paredes, Jesus I.	Chula Vista Middle School	2	RQ17016837	1	Lot	Graphic Design	\$50.00	\$50.00
538997	Paredes, Jesus I.	Chula Vista Middle School	3	RQ17016837	2	ea	One time set up charge	\$10.00	\$20.00
538997	Paredes, Jesus I.	Chula Vista Middle School	4	RQ17016837	1	.	Deliver to Chula Vista Middle: Attn: Sandra Bishop	\$0.00	\$0.00
538998	La Class Transportation	Hilltop Middle School	1	RQ17016804	1	Lot	(1)BUS-56, Charter Bus transporting Students from Hilltop Middle to USC University Park Campus, Los Angeles, Museum Of Tolerance, 9786 W. Pico Blvd, Los Angeles, CA. May 12, 2017.	\$1,291.00	\$1,291.00
538999	Dick Blick Company	Southwest High School	1	RQ17015111	2	EA	Cerulean Blue Hue	\$5.24	\$10.48
538999	Dick Blick Company	Southwest High School	2	RQ17015111	2	EA	Cobalta Blue Hue	\$5.24	\$10.48
538999	Dick Blick Company	Southwest High School	3	RQ17015111	2	EA	Deep Violet	\$3.44	\$6.88
538999	Dick Blick Company	Southwest High School	4	RQ17015111	2	EA	Dioxazine Purple	\$5.24	\$10.48
538999	Dick Blick Company	Southwest High School	5	RQ17015111	3	EA	Green Deep Permanent	\$3.44	\$10.32
538999	Dick Blick Company	Southwest High School	6	RQ17015111	2	EA	Greenlight Permanent	\$5.24	\$10.48
538999	Dick Blick Company	Southwest High School	7	RQ17015111	2	EA	Hookers Green	\$5.24	\$10.48
538999	Dick Blick Company	Southwest High School	8	RQ17015111	3	EA	Light Blue Permanent	\$3.44	\$10.32
538999	Dick Blick Company	Southwest High School	9	RQ17015111	2	EA	Light Blue Violet	\$3.44	\$6.88

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538999	Dick Blick Company	Southwest High School	10	RQ17015111	2	EA	Light Portrait Pink	\$3.44	\$6.88
538999	Dick Blick Company	Southwest High School	11	RQ17015111	4	EA	Medium Magenta	\$3.44	\$13.76
538999	Dick Blick Company	Southwest High School	12	RQ17015111	2	EA	Metallic Magenta	\$3.79	\$7.58
538999	Dick Blick Company	Southwest High School	13	RQ17015111	2	EA	Prism Violet	\$3.44	\$6.88
538999	Dick Blick Company	Southwest High School	14	RQ17015111	2	EA	Quinacridone Magenta	\$3.44	\$6.88
538999	Dick Blick Company	Southwest High School	15	RQ17015111	6	EA	White Taklon	\$8.11	\$48.66
538999	Dick Blick Company	Southwest High School	16	RQ17015111	6	EA	White Taklon	\$6.96	\$41.76
538999	Dick Blick Company	Southwest High School	17	RQ17015111	1	EA	Canvas Panel 18 x 24	\$71.01	\$71.01
538999	Dick Blick Company	Southwest High School	18	RQ17015111	1	EA	Canvas Panels 14 x 18	\$47.63	\$47.63
538999	Dick Blick Company	Southwest High School	19	RQ17015111	1	EA	Water Color Paper	\$52.49	\$52.49
538999	Dick Blick Company	Southwest High School	20	RQ17015111	4	EA	Scratch Art Tools	\$12.56	\$50.24
538999	Dick Blick Company	Southwest High School	21	RQ17015111	18	EA	Scratch Art 8.5 x 11 paper	\$3.53	\$63.54
538999	Dick Blick Company	Southwest High School	22	RQ17015111	24	EA	Tray Cover	\$1.14	\$27.36
538999	Dick Blick Company	Southwest High School	23	RQ17015111	20	EA	Cover Tray	\$0.66	\$13.20
538999	Dick Blick Company	Southwest High School	24	RQ17015111	30	EA	Prisma Color-Medium Kneaded Eraser	\$0.52	\$15.60
538999	Dick Blick Company	Southwest High School	25	RQ17015111	20	EA	Maped Hand Held Sharpener	\$0.59	\$11.80
538999	Dick Blick Company	Southwest High School	26	RQ17015111	30	EA	Gray Paper Stumps	\$2.30	\$69.00
538999	Dick Blick Company	Southwest High School	27	RQ17015111	2	EA	Blick Studio Acrylic Alizarin Crimson	\$5.24	\$10.48
538999	Dick Blick Company	Southwest High School	28	RQ17015111	1	EA	Bright Aqua Green	\$5.24	\$5.24
538999	Dick Blick Company	Southwest High School	29	RQ17015111	4	EA	Brilliant Purple	\$3.44	\$13.76
538999	Dick Blick Company	Southwest High School	30	RQ17015111	4	EA	Brilliant Yellow Green	\$3.44	\$13.76
538999	Dick Blick Company	Southwest High School	31	RQ17015111	1	EA	Burnt Sienna	\$5.24	\$5.24
538999	Dick Blick Company	Southwest High School	32	RQ17015111	1	EA	Burnt Umber	\$5.24	\$5.24
538999	Dick Blick Company	Southwest High School	33	RQ17015111	2	EA	Cad Yellow Deep Hue	\$5.24	\$10.48
538999	Dick Blick Company	Southwest High School	34	RQ17015111	2	EA	Cad Yellow Med Hue	\$5.24	\$10.48
538999	Dick Blick Company	Southwest High School	35	RQ17015111	2	EA	Cod Yellow Light Hue	\$5.24	\$10.48
538999	Dick Blick Company	Southwest High School	36	RQ17015111	2	EA	Cadmium Orange Hue	\$5.24	\$10.48
538999	Dick Blick Company	Southwest High School	37	RQ17015111	2	EA	Cadmium Red Deep Hue	\$5.24	\$10.48
538999	Dick Blick Company	Southwest High School	38	RQ17015111	1	EA	Cadmium Red Light	\$5.24	\$5.24
538999	Dick Blick Company	Southwest High School	39	RQ17015111	2	EA	Cadmium Red Med	\$5.24	\$10.48

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538999	Dick Blick Company	Southwest High School	40	RQ17015111	3	EA	Primary Red	\$3.44	\$10.32
539000	Monterey Peninsula College	Mar Vista High School	1	RQ17015291	1	Each	SeaMATE triggerfish ROV kit	\$640.00	\$640.00
539000	Monterey Peninsula College	Mar Vista High School	2	RQ17015291	1	Each	SeaMATE pufferfish ROV kit	\$200.00	\$200.00
539000	Monterey Peninsula College	Mar Vista High School	3	RQ17015291	1	Each	SeaMATE angelfish ROV kit	\$190.00	\$190.00
539001	SiteOne Landscape Supply Holding LLC	Olympian High School	1	RQ17016844	2	EA	LESCO PROSECUTOR PRO 2.5 GALLON	\$72.92	\$145.84
539002	AP by the Sea	Olympian High School	1	RQ17016888	1	ea	Registration for Kristina Yau to attend AP By the Sea Summer Institute at the University of San Diego. Session 1 June 20-23, 2017 - Art History Educational fees for ASP students to visit the California Science Center/Los Angeles, CA on 6/13/2017.	\$775.00	\$775.00
539003	California Science Center Foundation	Olympian High School	1	RQ17016929	1	LOT	Reservation Number: 419798	\$686.40	\$686.40
539003	California Science Center Foundation	Olympian High School	2	RQ17016929	1	LOT	Gradnite field trip tickets for two homeless students	\$0.00	\$0.00
539004	Chula Vista High - ASB	Equity Culture & Support Services		RQ17016968	2	ticket	Gradnite field trip ticket for one homeless student. Invoice # 20161009	\$145.00	\$290.00
539005	Olympian High - ASB	Equity Culture & Support Services		RQ17016988	1	ticket	XPR 7550E 403-512 4W FKP 2yr warranty, 1yr service from StartLITE	\$145.00	\$145.00
539006	Communications USA, Inc	Central Receiving	1	RQ17017029	4	EA	G-HOOK SWIVEL EARPIECE W/ PTT	\$609.00	\$2,436.00
539006	Communications USA, Inc	Central Receiving	2	RQ17017029	4	EA	UHF SLIM WHIP ANTENNA 403 527 MHz (PMAE4079) FOR XPR	\$49.95	\$199.80
539006	Communications USA, Inc	Central Receiving	3	RQ17017029	4	EA	CONNECT PLUS TRUNKING LICENSE	\$0.00	\$0.00
539006	Communications USA, Inc	Central Receiving	4	RQ17017029	4	EA	ADD: CONNECT PLUS TRUNKING OPERATION	\$0.00	\$0.00
539006	Communications USA, Inc	Central Receiving	5	RQ17017029	4		Programming fee per unit	\$0.00	\$0.00
539006	Communications USA, Inc	Central Receiving	6	RQ17017029	4	ea		\$25.00	\$100.00
539007	Broadway Typewriter Company Inc	Central Receiving	1	RQ17016617	1	ea	Lenovo N23, Windows 10 Pro 64, Intel Celeron N3160, 4 GB DDR3L, 128 GB SSD, 11.6" HD LED Touchscreen, 45w AC adapter, 3 yr warranty	\$354.50	\$354.50
539007	Broadway Typewriter Company Inc	Central Receiving	2	RQ17016617	1	ea	Absolute Computrace, 3yr	\$29.50	\$29.50
539007	Broadway Typewriter Company Inc	Central Receiving	3	RQ17016617	1	ea	Custom Imaging	\$17.50	\$17.50

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539007	Broadway Typewriter Company Inc	Central Receiving	4	RQ17016617	1	ea	CA Electronic Recycling Fee	\$5.00	\$5.00
539008	Multi Service Technology Solutions, Inc.	National City Middle School	1	RQ17016417	1	ea	Cannon PowerShot ELPH 180 - digital camera , BB19914205, 10790, 1093C001	\$139.99	\$139.99
539008	Multi Service Technology Solutions, Inc.	National City Middle School	1	RQ17016417	1	ea	Sony Cyber-shot DSC -W830 - digital camera, BB19452980, 14350, DSCW830	\$119.98	\$119.98
539008	Multi Service Technology Solutions, Inc.	National City Middle School	1	RQ17016417	1	lot	National City Tax Adjustment	\$1.30	\$1.30
539009	Monoprice, Inc.	Southwest Middle School	1	RQ17015968	34	EA	OBSIDIAN SERIES 5-PORT 8A USB SMART CHARGER	\$12.99	\$441.66
539009	Monoprice, Inc.	Southwest Middle School	2	RQ17015968	170	EA	SELECT SERIES APPLE MDI CERTIFIED LIGHTNING TO USB CHARGE & SYNC CABLE, 3 FT WHITE	\$6.29	\$1,069.30
539010	Home Depot	Montgomery Middle School	1	RQ17015832	3	ea	Universal Sewing Machine Case	\$24.31	\$72.93
539010	Home Depot	Montgomery Middle School	1	RQ17015832	1	ea	Model# GART208, Genesis Rotary Tool Accessory Set (208-Piece)	\$23.65	\$23.65
539010	Home Depot	Montgomery Middle School	1	RQ17015832	3	ea	Model# 94-248, Stanley 65-Piece Homeowner's Tool Kit	\$46.43	\$139.29
539010	Home Depot	Montgomery Middle School	1	RQ17015832	5	ea	Model# DASK353, Decor 2oz, 12-Color Acrylic Craft Paint Set	\$7.98	\$39.90
539010	Home Depot	Montgomery Middle School	1	RQ17015832	4	ea	Model# WSB25HK, Weller 25-Watt Short Barrel Hobby Iron Kit (8-Piece)	\$12.60	\$50.40
539010	Home Depot	Montgomery Middle School	1	RQ17015832	12	ea	Model# 91252-80025, 3D Chemical Splash Impact Goggle (Case of 14)	\$69.58	\$834.96
539011	Home Depot	Olympian High School	1	RQ17016722	1	ea	Husky High Leverage Long Nose Pliers Sert (3 pcs)	\$10.97	\$10.97
539011	Home Depot	Olympian High School	2	RQ17016722	1	ea	Husky 27 in. 8-Drawer Tool Chest and Cabinet Set	\$198.00	\$198.00
539011	Home Depot	Olympian High School	3	RQ17016722	1	ea	HDX 27 in. W 4-Shelf Plastic Multi-Purpose tall Cabinet in Gray	\$79.96	\$79.96
539011	Home Depot	Olympian High School	4	RQ17016722	1	ea	HDX 4 Shelf 15 in. Dx2 in. W x 52 in. H Black Plastic Storage Shelving Unit	\$27.48	\$27.48
539011	Home Depot	Olympian High School	5	RQ17016722	2	ea	Commercial Electric Assorted Cable Tie Canister - Natural (650-Pack)	\$9.97	\$19.94
539011	Home Depot	Olympian High School	6	RQ17016722	1	ea	Intertape Polymer Group PT14 Pro Mask Blue 1 in. x 60 yds. masking Tape (9-Pack)	\$32.97	\$32.97
539011	Home Depot	Olympian High School	7	RQ17016722	1	ea	Grip-Rite #9 x 3 in. 10 Penny Hot-Galvanized Steel Common Nails (1 lb - Pack)	\$4.24	\$4.24

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539011	Home Depot	Olympian High School	8	RQ17016722	1	ea	Grip-Rite #10-1/4x1-1/2 in. Bright Steel joist Hanger Nails (1 lb.-Pack)	\$3.87	\$3.87
539011	Home Depot	Olympian High School	9	RQ17016722	1	ea	Grip-Rite #10 x 3-1/2 in. Phillips Bugle-Head Coarse Thread Sharp Point Polymer Coated Exterior Screw	\$7.24	\$7.24
539011	Home Depot	Olympian High School	10	RQ17016722	1	ea	Rock-On #9 x 1-1/4 in. Phillips High Low Threaded Water-Head Cement Board Screws (800 Pack)	\$22.86	\$22.86
539011	Home Depot	Olympian High School	11	RQ17016722	1	ea	Vaughan 8-1/2 in. Pull Saw with Extra-Fine Blade	\$29.97	\$29.97
539011	Home Depot	Olympian High School	12	RQ17016722	1	ea	Warner ProGrip 3 in. Full Flex Putty Knife	\$4.78	\$4.78
539011	Home Depot	Olympian High School	13	RQ17016722	1	ea	Dewalt maxFit Scrwdriving Set (45 pcs)	\$15.97	\$15.97
539011	Home Depot	Olympian High School	14	RQ17016722	1	ea	Dewalt Titanium Pilot Point Drill Bit Set (14 pcs)	\$15.98	\$15.98
539011	Home Depot	Olympian High School	15	RQ17016722	1	ea	3M Pro Grade Precision 9 in. x 11 in. 220 Grit Fine Advanced Sanding Sheets (4 packs)	\$4.19	\$4.19
539011	Home Depot	Olympian High School	16	RQ17016722	1	ea	RIDGID PC1375 PVC and Tube Cutter	\$31.48	\$31.48
539012	Home Depot	Educational Technology	1	RQ17014856	2	ea	32 in. H Green Areca Palm with Bamboo Vase Silk Plant	\$44.28	\$88.56
539013	Home Depot	Research & Evaluation	1	RQ17014864	1	ea	PrepacElite 54 in. 3-Door Wall Cabinet in White	\$139.00	\$139.00
539014	Home Depot	Educational Technology	1	RQ17017042	2	ea	Lavish Home72 in. Black LED Adjustable Floor Lamp	\$47.79	\$95.58
539014	Home Depot	Educational Technology	2	RQ17017042	1	ea	Fangio Lighting29 in. Frosted Glass and Satin Nickel Metal Table Lamp with LED Night Light	\$197.99	\$197.99
539014	Home Depot	Educational Technology	3	RQ17017042	1	ea	Home Decorators CollectionRays 48 in. Brown Wall Plaques (Set of 3)	\$175.00	\$175.00
539015	Accent Electronics, Inc	Maintenance	1	RQ17017354	1	job	Provide material and labor to repair fire alarm system for Chula Vista High School. (200 Building)	\$1,000.00	\$1,000.00
539016	San Diego County Superintendent of Schools	Southwest Middle School	1	RQ17017209	4	ea	Registration fee for staff to attend Write Institute: Ensure Equity and Access for all Students Through Writing @ San Diego County Office of Education , May 9-10, 2017.	\$1,000.00	\$4,000.00
539017	Hyphenet, Inc.	Special Services	1	RQ17017100	3	ea	Printer, HP LaserJet Pro M203dw, Monochrome Laser Printer, 1yr warranty	\$155.00	\$465.00
539018	Rosen Publishing Group, Hilltop High School The		1	RQ17015745	1	ea	Teen Health and Wellness 12 month subscription	\$795.00	\$795.00

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539019	Graceland Coll Ctr for Prof Dev and Lifelong Lrng	Business Services	1	RQ17017157	1	each	Cal OSHA Compliance Suite	\$479.95	\$479.95
539019	Graceland Coll Ctr for Prof Dev and Lifelong Lrng	Business Services	2	RQ17017157	1	each	Managing Multiple Projects, Objectives and Deadlines - Free	\$0.00	\$0.00
539019	Graceland Coll Ctr for Prof Dev and Lifelong Lrng	Business Services	3	RQ17017157	1	each	Seminar-Free	\$0.00	\$0.00
539020	Apple Computer Inc.	Central Receiving	1	RQ17016596	1	EA	MacBook Pro 15-inch - Silver, 065-C326 2.2GHz Quad-core Intel Core i7, Turbo Boost up to 3.4GHz	\$2,079.00	\$2,079.00
539020	Apple Computer Inc.	Central Receiving	2	RQ17016596	1	EA	AppleCare Protection Plan for 15' MacBook Pro-Auto Enroll	\$239.00	\$239.00
539020	Apple Computer Inc.	Central Receiving	3	RQ17016596	1	EA	Apple 85W Mag Safe 2 Power Adapter (for MacBook Pro with Retina display)	\$79.00	\$79.00
539020	Apple Computer Inc.	Central Receiving	4	RQ17016596	1	EA	Absolute CompTrace Comp CPS ACAD POS 3Y	\$74.00	\$74.00
539020	Apple Computer Inc.	Central Receiving	5	RQ17016596	1	EA	eWaste Fee/Recycling Fee	\$6.00	\$6.00
539021	Hyphenet, Inc.	Chula Vista Adult School	1	RQ17017132	1	EA	HP LASERJET PRO M402N LASER PRINTER 4800 X 600DPI - UP TO 40PPM. 1YR WARRANTY	\$202.00	\$202.00
539022	VoiceThread LLC	Rancho Del Rey Middle School		RQ17016848	1	ea	K-12 Single Educator Annual License [KSE02]	\$79.00	\$79.00
539023	Anodyne Professional Development Services	Professional Development	1	RQ17016966	1	lot	Consultant to Provide Professional Development in services to SUHSD and the CaMSP Grant from March 15, 2016 to September 30, 2019.	\$36,000.00	\$36,000.00
539024	Line Printing Company (The)	Special Services	1	RQ17017076	1		Business cards, full color, white stock, w/logo, 500/box. For Susie Randle, Sr. Administrative Assistant	\$40.00	\$40.00
539025	Stopper Group (The)	Maintenance	1	RQ17016639	1	job	Provide material and labor to upgrade the portable sound system for Admin/Board Members. Cost breakdown is as follows;	\$0.00	\$0.00
539025	Stopper Group (The)	Maintenance	2	RQ17016639	1	lot	Materials	\$375.00	\$375.00
539025	Stopper Group (The)	Maintenance	3	RQ17016639	1	lot	Labor	\$75.00	\$75.00
539025	Stopper Group (The)	Maintenance	4	RQ17016639	1	lot	Trip charge	\$35.00	\$35.00
539026	Line Printing Company (The)	Olympian High School	1	RQ17016289	3	ea	Pre-ink Signature Stamps, Black ink	\$27.00	\$81.00
539027	TA Appliance Parts Company	National City Adult School	1	RQ17017082	2	each	Gasket to repair refrigerator in Glassroom	\$60.95	\$121.90

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539027	TA Appliance Parts Company	National City Adult School	2	RQ17017082	1	lot	Additional Slaes Tax for National City, CA 91950	\$0.61	\$0.61
539028	Apple Computer Inc.	Hilltop High School	1	RQ17016381	40	EA	Lightning to USB Cable (1m) MD818AM/A	\$19.00	\$760.00
539029	Home Depot	Olympian High School	1	RQ17016783	1	EA	Husky 22' rolling pro tool tote	\$129.00	\$129.00
539029	Home Depot	Olympian High School	2	RQ17016783	1	EA	Husky 50-gal mobile job box plstc	\$64.00	\$64.00
539029	Home Depot	Olympian High School	3	RQ17016783	1	EA	77' x24'x78' welded steel 4-shelf	\$149.00	\$149.00
539029	Home Depot	Olympian High School	4	RQ17016783	1	EA	Frigidaire 18 cu. ft. top freezer refrigerator in black	\$498.00	\$498.00
539030	Home Depot	Information Technology	1	RQ17015835	5	Each	Palmolive Dish Liquid	\$3.97	\$19.85
539030	Home Depot	Information Technology	2	RQ17015835	2	ea	Clorox Clean-up 32oz Fresh Scent Cleaner spray	\$3.47	\$6.94
539030	Home Depot	Information Technology	3	RQ17015835	8	ea	Febreze Air Effects 8.8 oz. Lines and sky	\$2.97	\$23.76
539030	Home Depot	Information Technology	4	RQ17015835	3	Each	Air Freshner Spray (2 Pack)	\$2.98	\$8.94
539030	Home Depot	Information Technology	6	RQ17015835	5	Each	Scotch-Brite 2-3/4 in. x 4-1/2 in. Heavy-Duty Scrub Songe (3-Pack)	\$6.37	\$31.85
539030	Home Depot	Information Technology	7	RQ17015835	4	Each	Lysol Ocean Fresh Disinfecting Wipes (110-count)	\$0.93	\$3.72
539031	Professional Tutors of America, Inc.	Special Services	1	RQ17017150	1	LOT	Arm & Hammer 14 oz. Baking Soda	\$3,000.00	\$3,000.00
539032	Nevertardy Transit, LLC	Hilltop High School	1	RQ17017274	1	Ea.	Fridge-N-Freezer Odor Absorber	\$447.32	\$447.32
539033	El Tapatio Restaurant Inc.	Alta Vista Academy	1	RQ17017348	35	EA	Consultant, Tutoring services for SUHSD students identified by the Director of Special Services. Charges per MOU will be billed at \$70 per hour.	\$6.00	\$210.00
539033	El Tapatio Restaurant Inc.	Alta Vista Academy	2	RQ17017348	1	lot	Provide charter bus service to Canyon Crest Academy on May 5, 2017	\$25.00	\$25.00
539034	Smart & Final Stores Corporation	Mar Vista High School	1	RQ17016892	1	Lot	Mexican Breakfast-Machaca and eggs, Side Dish: Beans&Potatoes, Tortillas &Salsa and Orange Juice and Coffee.	\$500.00	\$500.00
539035	Safeway Inc.	San Ysidro High School	1	RQ17016205	1	Lot	Misc . Delivery Fee	\$200.00	\$200.00
539036	Smart & Final Stores Corporation	San Ysidro High School	1	RQ17016203	1	Lot	Purchase of healthy snacks needed for parent classes to be purchased by Claudia Castro, Johana Bielma no later than May 30, 2017.	\$200.00	\$200.00
539037	Safeway Inc.	Olympian High School	1	RQ17016776	1	Lot	Purchase of healthy snacks and drinks for the ASP students.	\$500.00	\$500.00

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539038	Phil's BBQ of Point Loma Inc.	Southwest Middle School	1	RQ17017208	1	lot	25 - Full Baby Back Rib Dinners w/25 large side option: Steamed Veggies - 50 total quantity	\$512.50	\$512.50
539038	Phil's BBQ of Point Loma Inc.	Southwest Middle School	2	RQ17017208	1	lot	1/2 Chicken dinner w/25 large side option: Baked Potatoes cut in 1/2-50 total quantity	\$249.75	\$249.75
539038	Phil's BBQ of Point Loma Inc.	Southwest Middle School	3	RQ17017208	1	lot	2 Full tins of potato salad	\$120.00	\$120.00
539039	La Mesa Transfer & Storage, Inc	Maintenance	1	RQ17016016	1	job	Provide material and labor to move the furniture for painting and flooring in the Finance Department.	\$4,925.25	\$4,925.25
539040	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	1	RQ17016092	10	EA	Cambridge Learner's Dictionary English-Turkish with CD-ROM	\$15.40	\$154.00
539040	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	2	RQ17016092	35	EA	El Cuento De Ferdinando/the Story of Ferdinand	\$14.88	\$520.80
539040	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	3	RQ17016092	35	EA	Oranges Are Not the Only Fruit	\$12.00	\$420.00
539040	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	4	RQ17016092	10	EA	Robertson's Practical English-Thai Dictionary	\$11.96	\$119.60
539040	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	5	RQ17016092	10	EA	Somali; Somali - English Dictionary	\$39.99	\$399.90
539041	VS Athletics, Inc.	Sweetwater High School	1	RQ17017053	13	ea	Aluminum HS Hurdle	\$73.06	\$949.78
539041	VS Athletics, Inc.	Sweetwater High School	2	RQ17017053	2	ea	Compact Wind Gauge	\$269.10	\$538.20
539041	VS Athletics, Inc.	Sweetwater High School	3	RQ17017053	35	ea	3/16 Steel Needles Spikes	\$7.65	\$267.75
539041	VS Athletics, Inc.	Sweetwater High School	4	RQ17017053	1	EA	Seiko S149 Stopwatch with Printer	\$391.50	\$391.50
539041	VS Athletics, Inc.	Sweetwater High School	5	RQ17017053	12	EA	3/8 Steel Pyramid Spikes	\$7.65	\$91.80
539041	VS Athletics, Inc.	Sweetwater High School	6	RQ17017053	1	lot	Addnl tax NC	\$11.19	\$11.19
539042	Phone Supplements, Inc.	Castle Park Middle School	1	RQ17017173	1	ea	Convertible Wireless w/Lifter	\$240.00	\$240.00
539043	Phone Supplements, Inc.	Montgomery High School	1	RQ17017098	1	ea	PLANTRONICS CONV WIRELESS HS	\$192.00	\$192.00
539043	Phone Supplements, Inc.	Montgomery High School	2	RQ17017098	1	ea	SAVI LIFTER STRAIGHT PLUG	\$51.60	\$51.60
539043	Phone Supplements, Inc.	Montgomery High School	3	RQ17017098	2	ea	LIFTER ARM EXT. KET W/ RING DETE	\$6.00	\$12.00
539043	Phone Supplements, Inc.	Montgomery High School	4	RQ17017098	2	ea	HL10 MOUNTING TAPE NON -RETURN	\$3.00	\$6.00
539044	VS Athletics, Inc.	Sweetwater High School	1	RQ17016838	20	ea	.22 Crimped Blanks	\$14.95	\$299.00
539044	VS Athletics, Inc.	Sweetwater High School	2	RQ17016838	20	ea	Hip Numbers (set of 25) 01	\$1.10	\$22.00
539044	VS Athletics, Inc.	Sweetwater High School	3	RQ17016838	20	ea	Hip Numbers (set of 25) 02	\$1.10	\$22.00
539044	VS Athletics, Inc.	Sweetwater High School	4	RQ17016838	20	ea	Hip Numbers (set of 25) 03	\$1.10	\$22.00
539044	VS Athletics, Inc.	Sweetwater High School	5	RQ17016838	20	ea	Hip Numbers (set of 25) 04	\$1.10	\$22.00

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539044	VS Athletics, Inc.	Sweetwater High School	6	RQ17016838	20	ea	Hip Numbers (set of 25) 05	\$1.10	\$22.00
539044	VS Athletics, Inc.	Sweetwater High School	7	RQ17016838	20	ea	Hip Numbers (set of 25) 06	\$1.10	\$22.00
539044	VS Athletics, Inc.	Sweetwater High School	8	RQ17016838	20	ea	Hip Numbers (set of 25) 07	\$1.10	\$22.00
539044	VS Athletics, Inc.	Sweetwater High School	9	RQ17016838	20	ea	Hip Numbers (set of 25) 08	\$1.10	\$22.00
539044	VS Athletics, Inc.	Sweetwater High School	10	RQ17016838	50	ea	Cross Country Tags RD/WH	\$9.95	\$497.50
539044	VS Athletics, Inc.	Sweetwater High School	11	RQ17016838	12	ea	.22 cal Black Powder Blanks	\$19.95	\$239.40
539044	VS Athletics, Inc.	Sweetwater High School	12	RQ17016838	1	lot	Discount	-\$154.88	-\$154.88
539044	VS Athletics, Inc.	Sweetwater High School	13	RQ17016838	1	lot	Additional tax	\$18.35	\$18.35
539045	Baudville	Southwest Middle School	1	RQ17015143	275	EA	Certificate folder - half size gold foil	\$1.69	\$464.75
539045	Baudville	Southwest Middle School	3	RQ17015143	1	ea	-shooting stars \$30 Off Coupon submitted by site. Lauren from Baudville agreed to honor and credit \$30 against PO 51917 sg	-\$30.00	-\$30.00
539046	Ferguson Enterprises, Inc.	Maintenance	1	RQ17016993	1	ea	40g 4kw 208v whtr alum item # pt-aden404kw208v	\$1,329.00	\$1,329.00
539047	Exclusive Event Party Rental	Grants	1	RQ17017094	12	each	6' TDP Navy Blue Linens	\$12.00	\$144.00
539047	Exclusive Event Party Rental	Grants	2	RQ17017094	12	each	6' TDP Navy Red Linens	\$12.00	\$144.00
539047	Exclusive Event Party Rental	Grants	3	RQ17017094	4	each	6' TDP Navy Black Linens	\$12.00	\$48.00
539048	Jostens, Inc.	Montgomery Adult School	1	RQ17017119	40	ea	Diploma cover: 8 x 6- Royal blue	\$4.74	\$189.60
539048	Jostens, Inc.	Montgomery Adult School	2	RQ17017119	1	Lot	Packaging & delivery charges	\$15.05	\$15.05
539049	National Recognition Products of Southern	Mar Vista High School	1	RQ17015380	7	each	Custom Bachelor Faculty Regalia (Gown & Hood)	\$57.00	\$399.00
539049	National Recognition Products of Southern	Mar Vista High School	2	RQ17015380	3	each	Custom Master Faculty (Gown & Hood)	\$59.75	\$179.25
539049	National Recognition Products of Southern	Mar Vista High School	3	RQ17015380	3	each	Master Hood Only	\$34.95	\$104.85
539049	National Recognition Products of Southern	Mar Vista High School	4	RQ17015380	1	each	Bachelor Hood Only	\$34.25	\$34.25
539049	National Recognition Products of Southern	Mar Vista High School	5	RQ17015380	1	each	Expedite Fee	\$100.00	\$100.00
539050	Heritage Cleaners	Mar Vista High School	1	RQ17016393	343	pieces	165 Caps and 178 Gowns	\$2.33	\$799.19
539050	Heritage Cleaners	Mar Vista High School	2	RQ17016393	21	each	Chair Covers	\$6.50	\$136.50
539050	Heritage Cleaners	Mar Vista High School	3	RQ17016393	8	each	Table Covers	\$6.50	\$52.00
539050	Heritage Cleaners	Mar Vista High School	4	RQ17016393	6	each	Table Skirt	\$8.00	\$48.00

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539050	Heritage Cleaners	Mar Vista High School	5	RQ17016393	1	each	Environmental Service Charge	\$37.40	\$37.40
539051	LogosZ, Inc	Otay Ranch HS	1	RQ17016717	25	ea	Sashes for ACOJ standard	\$31.50	\$787.50
539051	LogosZ, Inc	Otay Ranch HS	2	RQ17016717	3	ea	Sashes for ACOJ with name	\$31.50	\$94.50
539052	Dion International Trucks LLC	Transportation	1	RQ17016829	1	ea	Cover Front (Front half)	\$677.63	\$677.63
539052	Dion International Trucks LLC	Transportation	2	RQ17016829	1	ea	Cover assy front (rear half)	\$697.06	\$697.06
539052	Dion International Trucks LLC	Transportation	3	RQ17016829	1	ea	KT gskt kit fron cover gasket	\$145.62	\$145.62
539052	Dion International Trucks LLC	Transportation	4	RQ17016829	1	ea	Kt seal package seal & wear sl	\$52.95	\$52.95
539052	Dion International Trucks LLC	Transportation	5	RQ17016829	2	ea	Seal oil pump	\$3.28	\$6.56
539053	Kleene & Green	Chula Vista High School	1	RQ17017202	15	Cs	Jr Jumbo Cloreless Toilet Tissue 1150'/rolls 12 rolls/cs Item:RPJRT1150	\$51.80	\$777.00
539054	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017108	1	ea	Dell Latitude E7457 Laptop, Win 10 Home 64, Intel i5-6300U, 8gb DDR\$, 128gb SATA, 14' HD display, 65w Adapter, 3yr Absolute Computrace, 3yr Warranty, Custom imaging	\$1,185.00	\$1,185.00
539054	Broadway Typewriter Company Inc	Central Receiving	2	RQ17017108	1	ea	CA Electronic Waste Fee	\$5.00	\$5.00
539055	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017105	1	ea	Dell Optiplex 7040 SFF, Win 8.1 Pro 64, Intel i5-6600, 8gb DDR4, 500gb Hard Drive, DVD, Keyboard, Wired Mouse, Dell 22 Monitor, 3yr Absolute Computrace, 3yr Warranty, Custom imaging	\$905.00	\$905.00
539055	Broadway Typewriter Company Inc	Central Receiving	2	RQ17017105	1	ea	CA Recycle Fee	\$6.00	\$6.00
539056	Broadway Typewriter Company Inc	Central Receiving	1	RQ17016774	1	ea	Lenovo T460s Ultrabook (includes 3 yr NBD onsite waranty	\$1,109.00	\$1,109.00
539056	Broadway Typewriter Company Inc	Central Receiving	2	RQ17016774	1	ea	CA Recycle Fee	\$5.00	\$5.00
539056	Broadway Typewriter Company Inc	Central Receiving	3	RQ17016774	1	ea	Absolute 3 year DDS Mobile Prem for Education	\$56.00	\$56.00
539056	Broadway Typewriter Company Inc	Central Receiving	4	RQ17016774	1	ea	Custom imaging	\$17.50	\$17.50
539057	Datel Systems Inc.	Central Receiving	1	RQ17017134	1	ea	Projector, Epson PowerLite 2065 Wireless XGA 3LCD Projector, Model: V11H820020	\$1,473.00	\$1,473.00
539058	Pathway Communications Ltd	Central Receiving	1	RQ17016525	10	Each	EPSON PowerLite 99WH Projectors-WXGA 3000 Lumens, with 3 yr. Advance Replacement Warranty	\$561.40	\$5,614.00

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539059	Dion International Trucks LLC	Transportation	1	RQ17016599	1	lot	Install a works kit	\$2,400.00	\$2,400.00
539059	Dion International Trucks LLC	Transportation	2	RQ17016599	1	lot	Cyl/head	\$2,375.00	\$2,375.00
539059	Dion International Trucks LLC	Transportation	3	RQ17016599	1	lot	oil pump	\$513.00	\$513.00
539059	Dion International Trucks LLC	Transportation	4	RQ17016599	1	lot	water pump	\$166.00	\$166.00
539059	Dion International Trucks LLC	Transportation	5	RQ17016599	1	lot	injectors	\$1,980.00	\$1,980.00
539059	Dion International Trucks LLC	Transportation	6	RQ17016599	1	lot	egr cooler	\$795.00	\$795.00
539059	Dion International Trucks LLC	Transportation	7	RQ17016599	1	lot	oil cooler	\$190.00	\$190.00
539059	Dion International Trucks LLC	Transportation	8	RQ17016599	1	lot	t/stat	\$60.00	\$60.00
539059	Dion International Trucks LLC	Transportation	9	RQ17016599	1	lot	coolant	\$180.00	\$180.00
539059	Dion International Trucks LLC	Transportation	10	RQ17016599	1	lot	oil	\$247.00	\$247.00
539059	Dion International Trucks LLC	Transportation	11	RQ17016599	1	lot	connecting rods	\$840.00	\$840.00
539059	Dion International Trucks LLC	Transportation	12	RQ17016599	1	lot	dpf gaskets	\$40.00	\$40.00
539059	Dion International Trucks LLC	Transportation	13	RQ17016599	1	lot	dpf	\$1,675.00	\$1,675.00
539059	Dion International Trucks LLC	Transportation	14	RQ17016599	1	lot	doc	\$980.00	\$980.00
539059	Dion International Trucks LLC	Transportation	15	RQ17016599	1	lot	turbo feed line	\$110.00	\$110.00
539059	Dion International Trucks LLC	Transportation	16	RQ17016599	1	lot	belts/hoses/filters/clar cl	\$375.00	\$375.00
539059	Dion International Trucks LLC	Transportation	17	RQ17016599	1	lot	Labor	\$8,195.00	\$8,195.00
539059	Dion International Trucks LLC	Transportation	18	RQ17016599	1	lot	Misc	\$150.00	\$150.00
539059	Dion International Trucks LLC	Transportation	19	RQ17016599	1	lot	FRT	\$180.00	\$180.00
539060	Home Depot	Chula Vista High School	1	RQ17016925	63	ea	116 Qt Ultra Storage Box	\$17.25	\$1,086.75
539060	Home Depot	Chula Vista High School	2	RQ17016925	8	ea	48'x24'x72 Steel Hvy duty 5 shelf unit *online item. ETA Jun 6 -9 instore.	\$79.97	\$639.76
539060	Home Depot	Chula Vista High School	3	RQ17016925	1	ea	800 lb metal convertible hand truck (dolly)	\$81.57	\$81.57

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539060	Home Depot	Chula Vista High School	4	RQ17016925	2	6/pk	Scotchblue 1.41' 2090	\$24.56	\$49.12
539060	Home Depot	Chula Vista High School	5	RQ17016925	1	ea	Curbside Delivery (charge waived)	\$0.00	\$0.00
539061	B&H Photo	Hilltop High School	1	RQ17016258	2	Each	BENQ ZOWIE RL2455 24' 16:9 LCD	\$195.02	\$390.04
539061	B&H Photo	Hilltop High School	2	RQ17016258	6	Each	Comprehensive standard series HDMI high speed swivel cbl. 10 ft	\$8.22	\$49.32
539061	B&H Photo	Hilltop High School	3	RQ17016258	1	Each	EL GATO systems game capture HD60 High Definition Game Recorder	\$149.95	\$149.95
539061	B&H Photo	Hilltop High School	4	RQ17016258	2	Each	Kanex Pro 1x4 HDMI splitter	\$39.99	\$79.98
539061	B&H Photo	Hilltop High School	5	RQ17016258	5	Each	Sony DualShock 4 wireless controller (jet black, 2016 version)	\$46.06	\$230.30
539062	United States Academic Decathlon	Hilltop High School	1	RQ17015888	1	ea	MB1010 Curriculum Package	\$618.00	\$618.00
539062	United States Academic Decathlon	Hilltop High School	2	RQ17015888	1	ea	MK1000 Art Images CD	\$25.00	\$25.00
539062	United States Academic Decathlon	Hilltop High School	3	RQ17015888	1	ea	JT2040K Essay Exam Booklet	\$21.00	\$21.00
539062	United States Academic Decathlon	Hilltop High School	4	RQ17015888	1	ea	JT2050K Impromptu Topic Booklet	\$32.00	\$32.00
539062	United States Academic Decathlon	Hilltop High School	5	RQ17015888	1	ea	AT2030Koa 10 subscriptions (9 students and 1 coach)	\$313.00	\$313.00
539063	Follett School Solutions, Inc.	Hilltop High School	1	RQ17015749	1	lot	54 Pre-selecte AR book titles (61 books total) per Titlewave Quote ID 9152393 List 16055223 List Name March2017	\$998.12	\$998.12
539063	Follett School Solutions, Inc.	Hilltop High School	2	RQ17015749	1	ea	AV title	\$39.99	\$39.99
539064	Follett School Solutions, Inc.	Olympian High School	1	RQ17016452	1	lot	MLA Handbook, 8th Edition	\$75.00	\$75.00
539065	Follett School Solutions, Inc.	Montgomery Middle School	1	RQ17015736	1	lot	Titlewave Quote ID 9151812.Total books 106(133)	\$1,764.11	\$1,764.11
539065	Follett School Solutions, Inc.	Montgomery Middle School	2	RQ17015736	1	lot	Cataloging and processing	\$241.50	\$241.50
539066	Staples Inc. & Subsidiaries	Bonita Vista High School	1	RQ17016636	1	pk	Puffs Basic Facial Tissue / 3 boxes per pack	\$7.99	\$7.99
539066	Staples Inc. & Subsidiaries	Bonita Vista High School	2	RQ17016636	1	pk	Clothespins with Spring - 200 pack	\$14.89	\$14.89
539067	Staples Inc. & Subsidiaries	Castle Park Middle School	1	RQ17016701	1	ea	Microsoft Natural Ergonomic Keyboard 4000 for Business, Ergonomic Wired Keyboard, Black; Model #5QH-00001	\$42.99	\$42.99
539068	Pearson Education, Inc.	CTE (formerly ROP)	1	RQ17016898	30	Ea	Medical Terminology, Fregmen; ISBN-13: 9780131365544	\$73.97	\$2,219.10
539069	Cengage Learning	CTE (formerly ROP)	1	RQ17016810	165	Ea	Intro to Health Care HB, Mitchell/Haroun	\$135.25	\$22,316.25

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539069	Cengage Learning	CTE (formerly ROP)	2	RQ17016810	8	Ea	SWB Intro to Health Care, Mitchell/Haroun	\$45.50	\$364.00
539070	Learning Forward	Professional Development	1	RQ17016662	1	ea	Becoming a Learning Team	\$36.00	\$36.00
539070	Learning Forward	Professional Development	2	RQ17016662	1	ea	Becoming a Learning System	\$64.00	\$64.00
539071	Novel Units, Inc.	Montgomery Middle School	1	RQ17016803	1	EA	Lightning Thief TG SP Bundle	\$24.98	\$24.98
539071	Novel Units, Inc.	Montgomery Middle School	1	RQ17016803	1	EA	Lightning Thief Standards Bases Test set of 15	\$5.99	\$5.99
539071	Novel Units, Inc.	Montgomery Middle School	1	RQ17016803	1	EA	Esperanza Rising Bundle	\$24.98	\$24.98
539072	Scholastic Library Publishing	Bonita Vista High School	1	RQ17016527	1	set	Enchantment of the World. Second Series. older titles. 58 countries	\$1,392.00	\$1,392.00
539072	Scholastic Library Publishing	Bonita Vista High School	2	RQ17016527	1	set	Enchantment of the World Second Series. NEW 2017 titles. Algeria, Antarctica, Denmark, Madagascar, Nicaragua, Norway.	\$144.00	\$144.00
539072	Scholastic Library Publishing	Bonita Vista High School	3	RQ17016527	1	set	List price \$40 each. Sale price \$24 each Civil War, Vietnam War, World War 1, and World War II. List Price \$36 each. Sale price \$21.60 each.	\$86.40	\$86.40
539073	Textbook Warehouse	Professional Development	1	RQ17017081	80	ea	The Together Leader: Get Organized for Your Success - and Sanity! 1st Edition	\$18.72	\$1,497.60
539074	CDW Government, Inc.	Chula Vista Middle School	1	RQ17016933	2	ea	SIIG Universal Tilting TV mount	\$36.90	\$73.80
539075	Prophet Corporation (The)	Olympian High School	1	RQ17016908	1	Each	Agility matrix training maze	\$260.88	\$260.88
539075	Prophet Corporation (The)	Olympian High School	2	RQ17016908	2	Each	Coaching sticks - set of 6	\$125.10	\$250.20
539075	Prophet Corporation (The)	Olympian High School	3	RQ17016908	3	Each	Detonate dual overspeed - heavy	\$107.10	\$321.30
539075	Prophet Corporation (The)	Olympian High School	4	RQ17016908	2	Each	Detonate twin tow	\$35.88	\$71.76
539075	Prophet Corporation (The)	Olympian High School	5	RQ17016908	1	Each	Sport performance instructional DVD series complete 4-DVD set	\$80.88	\$80.88
539075	Prophet Corporation (The)	Olympian High School	6	RQ17016908	1	Each	High powered plyometrics - DVD	\$21.48	\$21.48
539075	Prophet Corporation (The)	Olympian High School	7	RQ17016908	1	Each	Facilitated stretching book & DVD set	\$31.38	\$31.38
539075	Prophet Corporation (The)	Olympian High School	8	RQ17016908	1	Each	Plyometric training DVD	\$25.98	\$25.98
539075	Prophet Corporation (The)	Olympian High School	9	RQ17016908	2	Each	Uni-Vest short	\$170.10	\$340.20
539075	Prophet Corporation (The)	Olympian High School	10	RQ17016908	1	Each	Screamin orange training hurdles - 6' H hurdles, set of 6	\$58.18	\$58.18
539075	Prophet Corporation (The)	Olympian High School	11	RQ17016908	1	Each	Ultrafit training hurdles - 9' H hurdles set of 6	\$53.88	\$53.88

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539075	Prophet Corporation (The)	Olympian High School	12	RQ17016908	1	Each	Ultrafit training hurdles - 12' H set of 6	\$62.88	\$62.88
539075	Prophet Corporation (The)	Olympian High School	13	RQ17016908	1	Each	Ultrafit training hurdles-16'H hurdles, set of 6	\$71.88	\$71.88
539075	Prophet Corporation (The)	Olympian High School	14	RQ17016908	4	Each	Securestep agility ladder	\$67.78	\$271.12
539075	Prophet Corporation (The)	Olympian High School	15	RQ17016908	1	Each	Ultrafit self-nesting plyo boxes complete set	\$716.88	\$716.88
539076	Prophet Corporation (The)	Olympian High School	1	RQ17016913	8	Each	Head TI conquest oversize titanium tennis racquet 27' L nylon strings	\$24.25	\$194.00
539076	Prophet Corporation (The)	Olympian High School	2	RQ17016913	6	Each	Head tour pro super oversize titanium tennis racquet 27' L nylon strings	\$28.75	\$172.50
539076	Prophet Corporation (The)	Olympian High School	3	RQ17016913	8	Each	Wilson energy XL super oversize titanium tennis racquet 27.5' L nylon strings	\$25.15	\$201.20
539076	Prophet Corporation (The)	Olympian High School	4	RQ17016913	2	Each	RacquetPrince tennis storage bag	\$73.34	\$146.68
539076	Prophet Corporation (The)	Olympian High School	5	RQ17016913	1	Each	Penn coach tennis balls - case of 72	\$80.95	\$80.95
539076	Prophet Corporation (The)	Olympian High School	6	RQ17016913	1	Each	Quickstart slow bounce tennis balls bucket of 60	\$116.10	\$116.10
539076	Prophet Corporation (The)	Olympian High School	7	RQ17016913	1	Each	UltraNet portable net system - 20' W x 61'H	\$139.00	\$139.00
539077	All American Sports Corporation	Sweetwater High School	1	RQ17016823	30	ea	REVO SPEED HELMET	\$236.25	\$7,087.50
539077	All American Sports Corporation	Sweetwater High School	2	RQ17016823	10	EA	POWER JPX - AP SHOULDER PAD	\$108.75	\$1,087.50
539077	All American Sports Corporation	Sweetwater High School	3	RQ17016823	5	EA	POWER JPX - SK SHOULDER PAD	\$108.75	\$543.75
539077	All American Sports Corporation	Sweetwater High School	4	RQ17016823	1	lot	ADDITIONAL TAX	\$43.59	\$43.59
539078	Robotics Education & Competition Foundation, Inc.	College & Career Readiness	1	RQ17017232	1	ea	VR 2017-2018: In the Zone - Registration for team number 9682B	\$150.00	\$150.00
539078	Robotics Education & Competition Foundation, Inc.	College & Career Readiness	2	RQ17017232	1	ea	VRC 2017-2-18 Welcome Kit	\$0.00	\$0.00
539078	Robotics Education & Competition Foundation, Inc.	College & Career Readiness	3	RQ17017232	1	ea	VRC 2017-2018: In the Zone - Registration for team number 9682C	\$100.00	\$100.00
539078	Robotics Education & Competition Foundation, Inc.	College & Career Readiness	4	RQ17017232	1	ea	VRC License Plate Kit	\$0.00	\$0.00

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539078	Robotics Education & Competition Foundation, Inc.	College & Career Readiness	5	RQ17017232	1	ea	VRC 2017-2018: In the Zone - Registration for team number 9682A	\$100.00	\$100.00
539078	Robotics Education & Competition Foundation, Inc.	College & Career Readiness	6	RQ17017232	1	ea	VRC License Plate Kit	\$0.00	\$0.00
539079	Genuine Parts Co.	Bonita Vista High School	1	RQ17017197	1	ea	5-32 VAC LINE	\$0.59	\$0.59
539079	Genuine Parts Co.	Bonita Vista High School	2	RQ17017197	1	ea	7-32 VAC LINE	\$0.69	\$0.69
539079	Genuine Parts Co.	Bonita Vista High School	3	RQ17017197	1	ea	2-T LOW SVC JACK (T30)	\$229.99	\$229.99
539079	Genuine Parts Co.	Bonita Vista High School	4	RQ17017197	1	ea	CAP ADAPTER KIT	\$239.00	\$239.00
539079	Genuine Parts Co.	Bonita Vista High School	5	RQ17017197	3	ea	SUPER WTHRSTRP ADHV (210, 530)	\$12.49	\$37.47
539079	Genuine Parts Co.	Bonita Vista High School	6	RQ17017197	1	ea	BATTER - NAPA LEGEND PR (T34)	\$129.99	\$129.99
539079	Genuine Parts Co.	Bonita Vista High School	7	RQ17017197	1	ea	COR DEPOSIT (T34)	\$18.00	\$18.00
539079	Genuine Parts Co.	Bonita Vista High School	8	RQ17017197	1	ea	CA BATTERY ENVIRONMENTAL FEE	\$1.00	\$1.00
539080	Herrera, Alberto C.	Olympian High School	1	RQ17017204	7	cases	Penn Extra Duty Tennis Balls	\$59.95	\$419.65
539081	Barnes & Noble Booksellers, USA Inc.	Bonita Vista High School	1	RQ17016982	40	ea	Cracking the AP U.S. Government & Politics Exam, 2017 Edition published by Random House Children's Books	\$15.19	\$607.60
539082	AP by the Sea	Castle Park High School	1	RQ17010814	1	ea	Registration for Harold Myers to attend AP by the Sea Session 3: July 24 - 27 (M-Th) Early Bird Registration: June 1, 2017 (Calculus AB III) at UCS: July 10-13 A Clockwork Orange by Anthony Burgess	\$775.00	\$775.00
539083	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	1	RQ17015597	45	ea		\$12.76	\$574.20
539083	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	2	RQ17015597	45	ea	Glass Menagerie by Tennessee Williams	\$18.44	\$829.80
539084	AP by the Sea	Sweetwater High School	1	RQ17016186	1	ea	Registration for Luz Zuniga to attend the: AP by the Sea (English Lit Swovelin) on June 20-23, 2017. Location: USD	\$775.00	\$775.00
539085	Association of Two-Way Dual Language Education	Chula Vista High School	1	RQ17016529	1	ea	Pre-conference registration for Felisha Forsberg to attend 'The 2017 National Two-Way Bilingual Immersion Summer Conference' on June 26-28th, 2017 in Palm Springs	\$695.00	\$695.00

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539087	Douglas Food Stores, Inc.	Nutrition Services	1	RQ17015425	2	ea	COMBI OVEN,GASRational Model No. B628206.19E(SCC 62NG) SelfCooking Center Comi Oven/Steamer, natural gas, iCookingControl with 7 modes, HiDensityControl, iLevelControl, Efficient CareControl, Combi-Steamer with 3 modes, (6) 18'x26' or (12) 12'x20' pan capacity, core temp probe with 6 point measurement, hand shower with automatic retracting system, ships with (3) grid shelves, Ethernet interface, 208v/60/1-ph, 8'cord, NEMA 6-15P, 106,000 BTU (dual voltage: retrofitable to 240v/60/1-ph, 106,000 BTU) ENERGY STAR Dimensions 29.75(h) x 42(w) x 28.25(d)	\$14,087.70	\$28,175.40
539087	Douglas Food Stores, Inc.	Nutrition Services	2	RQ17015425	2	ea	NOTE: All discounts subject to approval by manufacturer.	\$0.00	\$0.00
539087	Douglas Food Stores, Inc.	Nutrition Services	3	RQ17015425	2	ea	2 years parts and labor warranty	\$0.00	\$0.00
539087	Douglas Food Stores, Inc.	Nutrition Services	4	RQ17015425	2	ea	8720.1560US Installation Kit, for gas SCC WE/CM P 101G (120/60/1ph); gas SCC WE/CM P 62G (208-240/60/1ph); gas SCC WE/CM P 61G (120/60/1ph) THIS ITEM IS NON-DISCOUNTABLE, USA ONLY (NET)	\$544.88	\$1,089.76
539087	Douglas Food Stores, Inc.	Nutrition Services	5	RQ17015425	1	EA	CAP Chef Assistance Program, a RATIONAL certified Chef conducts 4 hours/location specialized application training with personnel, no charge.	\$0.00	\$0.00
539087	Douglas Food Stores, Inc.	Nutrition Services	6	RQ17015425	1	ea	60.74.155 Combi-Duo Open Stacking Kit, Stationary, 6' feet, for gas SCC 62 or CM P 62 stacked on gas SCC 62, SCC 102, CM P 62, or CM P 102 (gas unit stacked on a gas 102 unit is not recommended)	\$1,212.85	\$1,212.85
539087	Douglas Food Stores, Inc.	Nutrition Services	7	RQ17015425	1	ea	9999.9959 RCI Rational Certified Installation, new certified installation cost for a Combi-Duo stacked unit is \$200 for the first two units for double-stack (Pricing based on a 50 mile radius, Additional charges may apply. THIS ITEM IS NON-DISCOUNTABLE. USA ONLY (NET).	\$200.00	\$200.00
539087	Douglas Food Stores, Inc.	Nutrition Services	8	RQ17015425	2	EA	Door hinged on right std.	\$0.00	\$0.00

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539087	Douglas Food Stores, Inc.	Nutrition Services	9	RQ17015425	6	ea	6010.2101 Gastronorm Grid Shelf, 2/1 size, 24' x 20', stainless steel	\$40.82	\$244.92
539087	Douglas Food Stores, Inc.	Nutrition Services	10	RQ17015425	12	ea	56.00.210A Cleaner tablet without Phosphor, bucket with 100 packets, for ALL SelfCookingCenter units, goes up to 70% further than liquid cleaner, 'FREIGHT CLASS 85 HAZMAT' (minimum order quantity: 2pcs, unless ordered with an SCC or CMP unit).	\$54.23	\$650.76
539087	Douglas Food Stores, Inc.	Nutrition Services	11	RQ17015425	4	ea	56.00.562 Care Tablets, bucket of 150 packets for all SelfCookingCenter units from 10/2008, with CareControl-Serial SH series (minimum order quantity: 2pcs, unless ordered with an SCC or CMP unit).	\$69.39	\$277.56
539088	Prophet Corporation (The)	Bonita Vista High School	1	RQ17016616	1	pk	Polar GoFit - Class Monitoring System	\$2,663.10	\$2,663.10
539089	San Diego State University	CTE (formerly ROP)	1	RQ17016900	1	Ea	PLTW CSA Summer Training Registration Fee for TONY CLAUDIO, July 10-21, 2017	\$2,550.00	\$2,550.00
539090	San Diego State University	Bonita Vista Middle School	1	RQ17016901	1	Ea	PLTW Science of Technology (ST) Training Registration Fee for BEATRIZ VELOSA; June 26-28, 2017	\$750.00	\$750.00
539090	San Diego State University	Bonita Vista Middle School	2	RQ17016901	1	Ea	PLTW Flight and Space (FS) Registration fee for BEATRIZ VELOSA; July 10-12, 2017	\$750.00	\$750.00
539091	Barnes & Noble Booksellers, USA Inc.	Bonita Vista High School	1	RQ17017012	30	ea	Life Strategies for Teens by Jay McGraw. Touchstone	\$12.79	\$383.70
539091	Barnes & Noble Booksellers, USA Inc.	Bonita Vista High School	2	RQ17017012	30	ea	Why We Can't Wait by Martin Luther King Jr.. Penguin Publishing Group	\$7.99	\$239.70
539092	Broadway Typewriter Company Inc	Central Receiving	1	RQ17016924	1	each	Lenovo ThinkPad Yoga 260, Win 10 Pro, Intel i7, 8gb DDR, 256gb SSD, 12.5' FHD(1920x1080), 44w Adapter, 3yr warranty	\$1,219.00	\$1,219.00
539092	Broadway Typewriter Company Inc	Central Receiving	2	RQ17016924	1	each	Computrace, 3yr	\$56.00	\$56.00
539092	Broadway Typewriter Company Inc	Central Receiving	3	RQ17016924	1	each	CA Recyling fee	\$5.00	\$5.00
539092	Broadway Typewriter Company Inc	Central Receiving	4	RQ17016924	1	ea	Custom imaging, District provided	\$17.50	\$17.50
539093	Blackie's Trophies & Awards	Alternative Education	1	RQ17017289	1	Each	Clock w/ engraviing	\$74.00	\$74.00
539094	Achieve3000, Inc.	San Ysidro High School	1	RQ17016169	1	Ea	Achieve 3000, 2 year subscriptions (2016-17 & 2017-18) plus bridge	\$6,951.58	\$6,951.58

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539095	California State University East Bay	Southwest High School	1	RQ17017142	1	ea	Registration for Pearl Esmalla to attend PLTW JUN 18-30, 2017, Biomedical Innovation; Registration: \$3000, Room and Board: \$2200	\$5,200.00	\$5,200.00
539096	Datel Systems Inc.	Central Receiving	1	RQ17016373	1	ea	Epson PowerLite S27 3LCD Projector, Ultra bright 2600 ANSI lumens, 3-in-1 usb plug&n play connectivity,	\$359.00	\$359.00
539097	Hydrotex Partners, Ltd.	Transportation	1	RQ17017293	1	ea	0001-X-6- Essentialube 6/1 Gal	\$248.54	\$248.54
539098	Troxell Communications, Inc.	Information Technology	1	RQ17017089	3,740	Ea	TWT TWTHEADPHONES - Headphone Ultra-Light	\$7.40	\$27,676.00
539099	B&H Photo	Central Receiving	1	RQ17016813	4	EA	CANON POWERSHOT ELPH 190IS DIG CAMERA BLACK REG	\$159.00	\$636.00
539099	B&H Photo	Central Receiving	2	RQ17016813	8	EA	SENSEI CAP KEEPER LENS CAP HOLDER LENS STUD	\$1.59	\$12.72
539099	B&H Photo	Central Receiving	3	RQ17016813	1	EA	GLIDE SYL 960 VID CAMERA TRACK DOLLY HYBRID REG	\$197.00	\$197.00
539099	B&H Photo	Central Receiving	4	RQ17016813	1	EA	GLIDE 36' RUBER WITH SPACERS REG	\$219.00	\$219.00
539099	B&H Photo	Central Receiving	5	RQ17016813	4	EA	SONY 64GB PRO SD MEMORY CARD - 90MB/s U3 REG	\$41.94	\$167.76
539099	B&H Photo	Central Receiving	6	RQ17016813	1	EA	ROKINON 85mm T1.5 CINE AS IF UMC LENS f/CANON REG	\$299.00	\$299.00
539099	B&H Photo	Central Receiving	7	RQ17016813	1	EA	KONOVA SLIDER K2 100CM 39.4' REG	\$235.99	\$235.99
539099	B&H Photo	Central Receiving	8	RQ17016813	1	EA	KONOVA BSC PAN TLT CNTRLR BNDL B f/K1/2/3 100 REG *Motorized unit barcoded	\$500.00	\$500.00
539099	B&H Photo	Central Receiving	9	RQ17016813	3	EA	PROTAPES PRO GAFF TAPE (2'X30-yd) BLACK REG	\$14.49	\$43.47
539099	B&H Photo	Central Receiving	10	RQ17016813	4	EA	TETHER 2 ROCK SOLID 'A' SPRING CLAMP BLACK REG	\$5.95	\$23.80
539099	B&H Photo	Central Receiving	11	RQ17016813	2	EA	3DR SOLO PROPELLER SET BLACK REG	\$21.95	\$43.90
539099	B&H Photo	Central Receiving	12	RQ17016813	1	EA	KANEX USB-C TO VGA ADAPTER REG	\$14.95	\$14.95
539099	B&H Photo	Central Receiving	13	RQ17016813	2	EA	IOGEAR CHR&SYN USB-C TO TYPE-A ADPT CBL-SLV REG	\$7.95	\$15.90
539099	B&H Photo	Central Receiving	14	RQ17016813	1	EA	SPECK MACBK PRO 15' w/TB SMTSHL-ONYX BLK MTT REG	\$49.95	\$49.95
539099	B&H Photo	Central Receiving	15	RQ17016813	1	EA	ROKINON 10mm T/3.1 CINE WIDE ANGLE LNS f/CANON REG	\$439.95	\$439.95
539099	B&H Photo	Central Receiving	16	RQ17016813	1	EA	SMK-LINK USB-C MULTI PORT HUN REG	\$68.99	\$68.99
539099	B&H Photo	Central Receiving	17	RQ17016813	4	EA	LEXAR 64GB HI-PERFRMNC 633X microSDHC UHS-I REG	\$34.25	\$137.00

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539099	B&H Photo	Central Receiving	18	RQ17016813	1	EA	THINK POWERHOUSE-PRO STUD	\$19.58	\$19.58
539099	B&H Photo	Central Receiving	19	RQ17016813	2	EA	SANHO USB C 5-IN-1 HUB w/MINI DSPLYPORT-SLVR REG	\$49.95	\$99.90
539100	Troxell Communications, Inc.	Central Receiving	1	RQ17015955	1	ea	TCD SHALC70LE660U, SHARP 70IN LC70LE660U WIFI	\$1,800.00	\$1,800.00
539100	Troxell Communications, Inc.	Central Receiving	2	RQ17015955	1	ea	PMI PMIP4263T, TILTING LOWPROFILE MOUNT FOR FLAT-PANELS	\$89.00	\$89.00
539100	Troxell Communications, Inc.	Central Receiving	3	RQ17015955	1	ea	COV COVHD2450M, HDMI W/ ETHERNET 50FT	\$65.00	\$65.00
539100	Troxell Communications, Inc.	Central Receiving	4	RQ17015955	1	ea	COV COVW1114WHPA, WP- 1G- HDMI FF- WHITE PC	\$46.00	\$46.00
539100	Troxell Communications, Inc.	Central Receiving	5	RQ17015955	1	lot	INSTALL, Install, product management and training	\$941.00	\$941.00
539100	Troxell Communications, Inc.	Central Receiving	6	RQ17015955	1	ea	CA Recycle fee (Added)	\$7.00	\$7.00
539101	PRDRepair Inc	Hilltop High School	1	RQ17017234	1	Lot	Onsite Labor	\$50.00	\$50.00
539101	PRDRepair Inc	Hilltop High School	2	RQ17017234	1	Ea	CP 4005 transfer belt	\$225.00	\$225.00
539102	Castrey, Bonnie Prouty	Legal Services Division	1	RQ17017244	1	Lot	Billing for Arbitration Services rendered as set forth in Collective Bargaining Agreement for SUHSD and SEA-CTA Sonia Morelos Suspension approved by Jennifer Carbuccia, General Counsel.	\$10,942.72	\$10,942.72
539103	Hydrotex Partners, Ltd.	Transportation	1	RQ17017290	1	ea	0402-1030-2 - HyTorque Gold 55 Gal	\$2,251.22	\$2,251.22
539104	Apple Computer Inc.	Central Receiving	1	RQ17015980	1	EA	MacBook Pro 13 inch	\$1,449.00	\$1,449.00
539104	Apple Computer Inc.	Central Receiving	2	RQ17015980	1	EA	APPLE CARE PROTECTION PLAN	\$183.00	\$183.00
539104	Apple Computer Inc.	Central Receiving	3	RQ17015980	1	EA	USB-C VGA ADAPTER	\$69.00	\$69.00
539104	Apple Computer Inc.	Central Receiving	4	RQ17015980	1	EA	ABSOLUTE COMPTRACE COMP CPS ACAD POS 3Y	\$74.00	\$74.00
539104	Apple Computer Inc.	Central Receiving	5	RQ17015980	1	EA	eWASTE RECYCLE FEE	\$5.00	\$5.00
539105	Stopper Group (The)	Maintenance	1	RQ17017578	1	job	Provide material and labor to repair the sound system at the stadium for Olympian High School.	\$500.00	\$500.00
539106	Broadway Typewriter Company Inc	Legal Services Division	1	RQ17017440	1	ea	Lenovo USB Soundbar - Speakers - for PC - USB	\$24.29	\$24.29
539107	Kara Dodds and Associates, inc	Special Services	1	RQ17017154	1	lot	Consultant, Agency to provide independent educational testing, assessment and evaluation for OT & speech for students identified by the Director Of Special Services. Billing for this will be between \$850 and \$1000 per assessment.	\$3,000.00	\$3,000.00

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539108	CDW Government, Inc.	Information Technology	1	RQ17017283	1	Ea	Samsung 850 EVO 1 TB Internal SSD. Mfg.#MZ-75E1TOB/AM.	\$383.99	\$383.99
539109	Jostens, Inc.	Chula Vista Adult School	1	RQ17016731	5	ea	5'4"-5'6" Royal Blue, cap, gown, tassel & charm	\$23.00	\$115.00
539109	Jostens, Inc.	Chula Vista Adult School	2	RQ17016731	5	ea	5'7"-5'9" Royal Blue, cap, gown, tassel & charm	\$23.00	\$115.00
539109	Jostens, Inc.	Chula Vista Adult School	3	RQ17016731	50	ea	2017 charms	\$0.60	\$30.00
539110	Mayer Reprographics	Planning & Facilities	1	RQ17017254	1	Lot	Provide printing & reproduction services as requested by Armando Murillo and/or Allie Serrano for the CPH Scoreboard Project.	\$700.00	\$700.00
539111	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017237	4	ea	Lenovo M700 Tiny Desktop, Win 10 Home 64, Intel i5, 8gb DDR, 256gb SSD, 21.5 Monitor, DVD, Keyboard, Mouse 3yr warranty	\$806.50	\$3,226.00
539111	Broadway Typewriter Company Inc	Central Receiving	2	RQ17017237	4	ea	CA Recycle Fee	\$6.00	\$24.00
539111	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017237	4	ea	Custom Imaging	\$17.50	\$70.00
539111	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017237	4	ea	Absolute DDS Mobile Premium 3yr	\$56.00	\$224.00
539112	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017307	2	ea	Dell Optiplex 7040 SFF, Win 10 Pro, Intel i5, 8gb DDR, 500gb HD, DVD, Wired Keyboard, Wired Mouse Del 22 Monitor, Computrace 3yr, Warranty 3yr, Custom Imaging.	\$905.00	\$1,810.00
539112	Broadway Typewriter Company Inc	Central Receiving	2	RQ17017307	2	ea	CA Electronic recycle Fee	\$6.00	\$12.00
539113	Vista Environmental Consulting, Inc	Planning & Facilities	1	RQ17017113	1	lot	To perform analysis of hazardous materials and consulting services during construction. This work will ensure safe air quality, and that the abatement processes and procedures are being followed per state guidelines for the Southwest High School Modular Classroom Building Replacement Project, Bid #67-2618-JQ.	\$6,300.00	\$6,300.00
539113	Vista Environmental Consulting, Inc	Planning & Facilities	2	RQ17017113	1	lot	Per Proposal No. P-517069 dated March 31, 2017.	\$0.00	\$0.00
539114	San Diego Neighborhood Newspapers	Planning & Facilities	1	RQ17016794	1	lot	Advertisement for new bid #67-2622-AM for L St. - HVAC 2, 680 L St, Stes A, B & F, ON 4/28/17 AND 5/5/17	\$302.28	\$302.28
539115	Mayer Reprographics	Planning & Facilities	1	RQ17017001	1	lot	To print Bid Sets for the SOH Modular Classroom Building Replacement project, Bid No. 67-2618-JQ.	\$1,000.00	\$1,000.00

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539116	Broadway Typewriter Company Inc	Teaching & Learning Department		RQ17015907	1	EA	DELL ULTRASHARP 24 MONITOR U2412M	\$257.49	\$257.49
539116	Broadway Typewriter Company Inc	Teaching & Learning Department		RQ17015907	1	ea	CA ELECTRONIC WASTE RECYCLING FEE0 NON TAXABLE	\$6.00	\$6.00
539117	National Business Furniture	Hilltop High School	1	RQ17017308	1		Contemporary Double Pedestal Credenza - 71' x 24' Dark Cherry	\$669.00	\$669.00
539117	National Business Furniture	Hilltop High School	2	RQ17017308	1		Contemporary Bow Front L-Desk - 71'W x 89'D Dark Cherry	\$895.00	\$895.00
539117	National Business Furniture	Hilltop High School	3	RQ17017308	2		Contemporary Storage Cabinet Dark Cherry	\$329.00	\$658.00
539117	National Business Furniture	Hilltop High School	4	RQ17017308	1		Contemporary Keyboard Drawer	\$59.00	\$59.00
539117	National Business Furniture	Hilltop High School	5	RQ17017308	1	lot	Tailgate Delivery	\$0.00	\$0.00
539118	School Specialty, Inc.	Special Services	1	RQ17017015	1		Drive Medical Adjustable Large First Class Chair	\$332.79	\$332.79
539119	Varidesk, LLC	Palomar High School	1	RQ17017198	4	EA	ProPlus 48' (Black)	\$495.00	\$1,980.00
539120	Bernard Arenson, Inc.	Palomar High School	1	RQ17017195	1	EA	Desk, 30x60, full height pedestal, full modesty panel, 20x48 return, box/file pedestal, center drawer, locking. RIGHT RETURN, COLOR: CHARCOAL	\$841.45	\$841.45
539121	School Specialty, Inc.	Hilltop High School	1	RQ17016187	1	Ea.	Brown Sales Jumbo Bean Bag Chair (38 1/2' Diameter/Green)	\$55.99	\$55.99
539122	School Specialty, Inc.	Bonita Vista High School	1	RQ17016223	4	ea	Stool - CS Contemporary Swivel - Soft Plastic Shell 18 - Chrome Frame - 23.5-32.5 Adj height, Color: Navy, Nylon Glides	\$109.84	\$439.36
539123	Staples Inc. & Subsidiaries	Sweetwater High School	1	RQ17017013	1	EA	La Z boy Fairmont Big and Tall Comfort Core Traditions Executive Office Chair Biscuit (Brown)	\$410.00	\$410.00
539123	Staples Inc. & Subsidiaries	Sweetwater High School	2	RQ17017013	1	lot	Additional National City tax	\$2.04	\$2.04
539124	Apple Computer Inc.	Central Receiving	1	RQ17016618	1	EA	iMac 27-inch with Retin 5K display, 065-C3F6 3.3GHz Quad-core Intel Core i5, Turbo Boost up to 3.9GHz, 16gb SDRAM, 2tb Drive, Mouse and Keyboard.	\$2,279.00	\$2,279.00
539124	Apple Computer Inc.	Central Receiving	2	RQ17016618	2	EA	AppleCare Protection Plan for iMac-Auto-enroll	\$119.00	\$238.00
539124	Apple Computer Inc.	Central Receiving	3	RQ17016618	1	EA	iMac 27-inch with Retina 5K display, 065-C3F7 4.0GHz Quad-core Intel Core i7, Turbo Boost up to 4.2GHz, 32gb SDRAM, 2tb Drive, Mouse and Keyboard.	\$2,864.00	\$2,864.00
539124	Apple Computer Inc.	Central Receiving	4	RQ17016618	2	EA	Absolute CompTrace Comp CPS ACAD POS 3Y	\$74.00	\$148.00

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539124	Apple Computer Inc.	Central Receiving	5	RQ17016618	2	EA	eWaste Fee/Recycling Fee	\$6.00	\$12.00
539125	Southern California Sound Image	Central Receiving	1	RQ17015797	6	ea	Audio Equipment, 15 inch Two Way, Passive/Bi- Amped Full Range System	\$1,590.56	\$9,543.36
539125	Southern California Sound Image	Central Receiving	2	RQ17015797	6	ea	Rigging Package	\$312.50	\$1,875.00
539125	Southern California Sound Image	Central Receiving	3	RQ17015797	2	ea	Amplifier, 8000W using FAST channel combining technology 4 channels, 1200 wats/ch at 8Q	\$2,062.50	\$4,125.00
539125	Southern California Sound Image	Central Receiving	4	RQ17015797	1	ea	Cable Package	\$1,000.00	\$1,000.00
539125	Southern California Sound Image	Central Receiving	5	RQ17015797	1	ea	8 in, 8 out DSP, app-based software	\$1,136.25	\$1,136.25
539125	Southern California Sound Image	Central Receiving	6	RQ17015797	1	ea	MISC. EXPENSES	\$530.39	\$530.39
539125	Southern California Sound Image	Central Receiving	7	RQ17015797	1	ea	FIELD LABOR	\$4,845.39	\$4,845.39
539125	Southern California Sound Image	Central Receiving	8	RQ17015797	1	ea	Programming	\$640.00	\$640.00
539125	Southern California Sound Image	Central Receiving	9	RQ17015797	1	ea	RENTALS	\$530.39	\$530.39
539126	Roman's Truck Body & Paint	Transportation	1	RQ17017159	1	lot	Labor for R/I rear engine door	\$56.00	\$56.00
539126	Roman's Truck Body & Paint	Transportation	2	RQ17017159	3	lot	Repair LT Side Engine Door Hinge	\$70.00	\$210.00
539126	Roman's Truck Body & Paint	Transportation	3	RQ17017159	1	lot	Parts	\$25.00	\$25.00
539127	Wholesale Automotive Machine, Inc.	Transportation	1	RQ17016739	6	ea	Valve intake	\$8.88	\$53.28
539127	Wholesale Automotive Machine, Inc.	Transportation	2	RQ17016739	6	ea	Valve exhaust	\$18.83	\$112.98
539127	Wholesale Automotive Machine, Inc.	Transportation	3	RQ17016739	12	ea	Valve stem seal	\$1.98	\$23.76
539127	Wholesale Automotive Machine, Inc.	Transportation	4	RQ17016739	12	ea	Valve stem seal	\$0.46	\$5.52
539127	Wholesale Automotive Machine, Inc.	Transportation	5	RQ17016739	6	ea	Valve spring	\$4.20	\$25.20
539127	Wholesale Automotive Machine, Inc.	Transportation	6	RQ17016739	6	ea	Valve spring	\$4.13	\$24.78
539127	Wholesale Automotive Machine, Inc.	Transportation	7	RQ17016739	1	lot	Diesel valve job - 6cyl, 12 valve hd mag ok	\$323.50	\$323.50
539127	Wholesale Automotive Machine, Inc.	Transportation	8	RQ17016739	1	lot	Pressure test,6 cyl.diesel lg pressure test good at room temp	\$154.00	\$154.00

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539127	Wholesale Automotive Machine, Inc.	Transportation	9	RQ17016739	1	ea	Head surfacing-6 cyl diesel lg	\$192.50	\$192.50
539127	Wholesale Automotive Machine, Inc.	Transportation	10	RQ17016739	1	ea	Haz Waste	\$9.00	\$9.00
539127	Wholesale Automotive Machine, Inc.	Transportation	11	RQ17016739	1	ea	Freight	\$12.00	\$12.00
539128	San Diego Scenic Tours, Otay Ranch HS Inc.		1	RQ17017597	1	lot	Provide RT Charter bus service to Mission Bay High School on 5/8/17 at 4:15 pm	\$696.00	\$696.00
539129	Projector Lamp Services	Hilltop Middle School	1	RQ17017120	4	each	Projector Lamp	\$77.00	\$308.00
539130	Home Depot	Visual/Performing Arts	1	RQ17017410	4	each	SKU# 0000-999-833 PaintCare Fee/ Eco Fee	\$1.60	\$6.40
539130	Home Depot	Visual/Performing Arts	2	RQ17017410	12	each	SKU# 0000-999-832 PaintCare Fee/Eco Fee	\$0.75	\$9.00
539130	Home Depot	Visual/Performing Arts	3	RQ17017410	1	each	SKU# 0000-999-735 CA Lumber Fee/Lumber Fee	\$3.48	\$3.48
539130	Home Depot	Visual/Performing Arts	4	RQ17017410	2	each	SKU# 0000-824-074 GP Speedwall Matte Flat Base1 4.8GAL	\$41.86	\$83.72
539130	Home Depot	Visual/Performing Arts	5	RQ17017410	12	each	SKU# 0000-603-283 Glidden Prem Int Flate Base3 112oz.	\$17.97	\$215.64
539130	Home Depot	Visual/Performing Arts	6	RQ17017410	2	each	SKU# 0000-317-390 Kilz 2 Primer 20005 2 Gal	\$26.98	\$53.96
539130	Home Depot	Visual/Performing Arts	7	RQ17017410	5	each	SKU# 0000-273-646 HD White Foam 4in, Mini 5PK	\$7.62	\$38.10
539130	Home Depot	Visual/Performing Arts	8	RQ17017410	4	each	SKU# 0000-137-960 ECon 9 x 3/8 in Knit Poly Roller 6PK	\$8.00	\$32.00
539130	Home Depot	Visual/Performing Arts	9	RQ17017410	2	each	SKU# 0000-661-780 Chip 15 piece Multi Brush Set	\$10.46	\$20.92
539130	Home Depot	Visual/Performing Arts	10	RQ17017410	1	each	SKU# 0000-360-193 Scotchblue .94' 2090 9PK	\$31.83	\$31.83
539130	Home Depot	Visual/Performing Arts	11	RQ17017410	1	each	SKU# 0000-757-479 2-1/2' Coarse Drywall Screw 5 LB	\$18.77	\$18.77
539130	Home Depot	Visual/Performing Arts	12	RQ17017410	1	each	SKU# 0000-757-451 1-5/8' Coarse Drywall Screw 5 LB	\$18.77	\$18.77
539130	Home Depot	Visual/Performing Arts	13	RQ17017410	1	each	SKU# 0000-757-448 1-1/4' Coarse Drywall Screw 5 LB	\$18.77	\$18.77
539130	Home Depot	Visual/Performing Arts	14	RQ17017410	5	each	SKU# 0000-614-637 1IN 4FT x 8FT Polystyrene-each	\$10.98	\$54.90
539130	Home Depot	Visual/Performing Arts	15	RQ17017410	60	each	SKU# 0000-164-704 0.656IN x 2.375IN x 96IN Strip	\$1.64	\$98.40
539130	Home Depot	Visual/Performing Arts	16	RQ17017410	10	each	SKU# 0000-175-171 0.688IN x 48IN x 96IN, Radiata Pine	\$24.98	\$249.80
539130	Home Depot	Visual/Performing Arts	17	RQ17017410	2	each	SKU# 1000-994-486 Linzer 9 in Pet Tray Liner White 10P	\$6.26	\$12.52

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539131	Multi-Health Systems Inc.	Special Services	1	RQ17016912	50	ea	ASRS (6-18 Years) Parent Online Form - NEEDS TO BE PLACED UNDER THE MULTI-ACCOUNT FOR SWEETWATER UNION HIGH SCHOOL DISTRICT UNDER carlos.saucedo@sweetwaterschools.org	\$3.50	\$175.00
539131	Multi-Health Systems Inc.	Special Services	2	RQ17016912	50	ea	ASRS (6-18 Years) Teacher Online Form - NEEDS TO BE PLACED UNDER THE MULTI-ACCOUNT FOR SWEETWATER UNION HIGH SCHOOL DISTRICT UNDER carlos.saucedo@sweetwaterschools.org	\$3.50	\$175.00
539131	Multi-Health Systems Inc.	Special Services	3	RQ17016912	50	ea	CDI-2 Parent Online Form - NEEDS TO BE PLACED UNDER THE MULTI-ACCOUNT FOR SWEETWATER UNION HIGH SCHOOL DISTRICT UNDER carlos.saucedo@sweetwaterschools.org	\$3.50	\$175.00
539131	Multi-Health Systems Inc.	Special Services	4	RQ17016912	50	ea	CDI-2 Teacher Online Form - NEEDS TO BE PLACED UNDER THE MULTI-ACCOUNT FOR SWEETWATER UNION HIGH SCHOOL DISTRICT UNDER carlos.saucedo@sweetwaterschools.org	\$3.50	\$175.00
539131	Multi-Health Systems Inc.	Special Services	5	RQ17016912	50	ea	CDI-2 Self Report Online Form - NEEDS TO BE PLACED UNDER THE MULTI-ACCOUNT FOR SWEETWATER UNION HIGH SCHOOL DISTRICT UNDER carlos.saucedo@sweetwaterschools.org	\$3.50	\$175.00
539131	Multi-Health Systems Inc.	Special Services	6	RQ17016912	25	ea	CDI-2 Self Report Short Online Form - NEEDS TO BE PLACED UNDER THE MULTI-ACCOUNT FOR SWEETWATER UNION HIGH SCHOOL DISTRICT UNDER carlos.saucedo@sweetwaterschools.org	\$3.50	\$87.50
539131	Multi-Health Systems Inc.	Special Services	7	RQ17016912	50	ea	Connors-3 Teacher Online Form - NEEDS TO BE PLACED UNDER THE MULTI-ACCOUNT FOR SWEETWATER UNION HIGH SCHOOL DISTRICT UNDER carlos.saucedo@sweetwaterschools.org	\$4.00	\$200.00
539131	Multi-Health Systems Inc.	Special Services	8	RQ17016912	50	ea	CBRS Self Report Online Form - NEEDS TO BE PLACED UNDER THE MULTI-ACCOUNT FOR SWEETWATER UNION HIGH SCHOOL DISTRICT UNDER carlos.saucedo@sweetwaterschools.org	\$4.00	\$200.00
539132	Kuta Software LLC	Sweetwater High School	1	RQ17014357	1	ea	27000M - Site license for Sweetwater High School: Infinite Pre-Algebra, Algebra 1, Geometry, Calculus with CDs	\$1,061.00	\$1,061.00

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539132	Kuta Software LLC	Sweetwater High School	4	RQ17014357	1	lot	Tax Adjustment for National City	\$5.31	\$5.31
539133	SupplyMaster, Inc.	Hilltop High School	1	RQ17017345	1	Ea.	HP LaserJet Pro400 M402dne Printer, 1yr warranty	\$218.00	\$218.00
539134	Dion International Trucks LLC	Transportation	1	RQ17017146	1	lot	Total parts	\$192.81	\$192.81
539134	Dion International Trucks LLC	Transportation	2	RQ17017146	1	lot	Total labor	\$486.40	\$486.40
539134	Dion International Trucks LLC	Transportation	3	RQ17017146	1	lot	Total miscellaneous	\$73.91	\$73.91
539135	R&B Filtration	Chula Vista High School	1	RQ17017160	12	ea	pleated filters 16x25x2	\$3.04	\$36.48
539135	R&B Filtration	Chula Vista High School	2	RQ17017160	12	ea	pleated filters 20x20x2	\$3.07	\$36.84
539136	R&B Filtration	Hilltop Middle School	1	RQ17017161	12	ea	pleated filters 12x20x1	\$2.85	\$34.20
539136	R&B Filtration	Hilltop Middle School	2	RQ17017161	24	ea	pleated filters 16x25x2	\$3.04	\$72.96
539137	R&B Filtration	Chula Vista Middle School	1	RQ17017006	12	ea	pleated filters 20x30x1	\$4.32	\$51.84
539138	R&B Filtration	Hilltop High School	1	RQ17017014	12	ea	pleated filters 20x25x1	\$3.05	\$36.60
539138	R&B Filtration	Hilltop High School	2	RQ17017014	24	ea	pleated filters 16x20x2	\$2.74	\$65.76
539138	R&B Filtration	Hilltop High School	3	RQ17017014	12	ea	pleated filters 18x20x1	\$4.33	\$51.96
539138	R&B Filtration	Hilltop High School	4	RQ17017014	12	ea	pleated filters 20x20x2	\$3.07	\$36.84
539139	Avid Center	Southwest Middle School	1	RQ17016422	1	ea	REGISTRATION FEE FOR REBECCA MOTZ TO ATTEND AVID ACADEMIC LANGUAGE AND LITERACY: A SCHOOLWIDE APPROACH CONFERENCE IN MISSION VALLEY/SAN DIEGO	\$760.00	\$760.00
539140	Avid Center	Southwest Middle School	1	RQ17016425	1	EA	REGISTRATION FEE FOR RAY TORNERO TO ATTEND AVID ACADEMIC LANGUAGE AND LITERACY: A SCHOOLWIDE APPROACH CONFERENCE IN MISSION VALLEY/SAN DIEGO	\$760.00	\$760.00
539141	Avid Center	Southwest Middle School	1	RQ17016424	1	ea	REGISTRATION FEE FOR MEGAN MULLINS TO ATTEND AVID ACADEMIC LANGUAGE AND LITERACY: A SCHOOLWIDE APPROACH CONFERENCE IN MISSION VALLEY/SAN DIEGO	\$760.00	\$760.00
539142	Gallup, Inc.	Montgomery Middle School	1	RQ17016649	1	ea	Leslie Garcia-Martinez will attend 'Strengths-Based Schools' on May 24th and 25th in National City	\$299.00	\$299.00

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539143	Elena Aguilar Consulting	Sweetwater High School	1	RQ17016671	1	ea	Registration for Donna Rottier to attend 'The Art of Coaching' May 30-31, 2017 at San Diego State University.	\$800.00	\$800.00
539144	Junior Library Guild	Mar Vista Academy	1	RQ17016651	1	ea	SPM CATEGORY - SPANISH MIDDLE	\$69.00	\$69.00
539145	Junior Library Guild	Mar Vista Academy	1	RQ17016761	1	ea	Emperor of Any Place - audiobook	\$30.00	\$30.00
539145	Junior Library Guild	Mar Vista Academy	2	RQ17016761	1	ea	Pitcher - audiobook	\$20.00	\$20.00
539145	Junior Library Guild	Mar Vista Academy	3	RQ17016761	1	ea	Salt to the Sea - audiobook	\$43.00	\$43.00
539145	Junior Library Guild	Mar Vista Academy	4	RQ17016761	1	lot	Credit for Junior Library Guild from Invoice #7042171	-\$34.05	-\$34.05
539146	Palos Sports, Inc.	Chula Vista Middle School	1	RQ17017070	12	ea	Polyethylene Net	\$4.93	\$59.16
539146	Palos Sports, Inc.	Chula Vista Middle School	2	RQ17017070	1	ea	Rhino World KickBall Set	\$74.93	\$74.93
539146	Palos Sports, Inc.	Chula Vista Middle School	3	RQ17017070	13	ea	Spalding TF150 Basket Ball	\$9.93	\$129.09
539146	Palos Sports, Inc.	Chula Vista Middle School	4	RQ17017070	6	ea	Mikasa soft-play soccerballBlk/Whi Size 5	\$11.93	\$71.58
539147	ABDO Publishing	Chula Vista Middle School	1	RQ17016989	15	ea	Strange Case of Dr. Jekyll and Mr. Hyde	\$18.95	\$284.25
539148	Barnes & Noble Booksellers, USA Inc.	Hilltop High School	1	RQ17017241	2	ea	Barron's AP Art History 3rd Ed.	\$17.59	\$35.18
539149	E-W Truck & Equipment Company, Inc.	Transportation	1	RQ17016615	1	lot	300 Electrical systems generic, diagnosis & repair. 555 cpt	\$145.00	\$145.00
539149	E-W Truck & Equipment Company, Inc.	Transportation	2	RQ17016615	1	lot	200 Engine & power train systems, generic	\$145.00	\$145.00
539149	E-W Truck & Equipment Company, Inc.	Transportation	3	RQ17016615	1	ea	Environmental fee	\$23.20	\$23.20
539150	American Council on Excercise	CTE (formerly ROP)	1	RQ17016208	1	ea	ACE Medial Exercise Specialist Manual	\$99.95	\$99.95
539150	American Council on Excercise	CTE (formerly ROP)	2	RQ17016208	1	ea	ACE Medical Exercise Speialist Manual - eBook	\$50.00	\$50.00
539151	Accelerate Learning Inc.	Bonita Vista Middle School	1	RQ17016080	200	ea	CA NGSS Grade 7 Online, ISBN 978-63037-681-9	\$5.95	\$1,190.00
539151	Accelerate Learning Inc.	Bonita Vista Middle School	2	RQ17016080	200	ea	CA NGSS Grade 8 Online, ISBN 978-1-63037-682-6	\$5.95	\$1,190.00
539152	Prime Sports Sales & Design	Castle Park High School	1	RQ17016915	14		Adidas Women's Utility Jacket; Black/White	\$36.00	\$504.00
539152	Prime Sports Sales & Design	Castle Park High School	2	RQ17016915	14		Adidas Climalite Women's Utility Pant-Black/White	\$33.00	\$462.00
539152	Prime Sports Sales & Design	Castle Park High School	3	RQ17016915	28		Embroidery Charge Standard Logo	\$5.00	\$140.00
539153	CDW Government, Inc.	Special Services	1	RQ17017127	125	ea	Cyber Accoustics ACM - 70B Headphone	\$4.99	\$623.75

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539154	Scantron Corporation	Alternative Education	1	RQ17016997	12	EACH	Scantron form, 2 Tests, 25Q ea, A-E (500/PKG), Form Number: 830-E, Form Size: 4¼' x 11', 2-sided Form Description: Two Tests/Form 25 Questions/Test 5 Response Choices (A-E) Subjective Score Area Use with Item Analysis Form 9725 888P, 888P , Scantron Score compatible Trophies for the awars assembly	\$59.36	\$712.32
539155	Blackie's Trophies & Awards	Southwest High School	1	RQ17017438	50	EACH		\$9.50	\$475.00
539156	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017491	1	ea	Bretford T30C-P-AC-US EVER Cart	\$1,446.00	\$1,446.00
539157	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017489	1	ea	Bretford T30C-P-AC-US EVER Cart	\$1,446.00	\$1,446.00
539158	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017487	1	ea	Bretford T30C-P-AC-US EVER Cart	\$1,446.00	\$1,446.00
539159	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017484	1	ea	Bretford T30C-P-AC-US EVER Cart	\$1,446.00	\$1,446.00
539160	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017451	1	ea	Bretford T30C-P-AC-US EVER Cart	\$1,446.00	\$1,446.00
539161	Kagan Publishing, Inc.	Hilltop High School	1	RQ17016611	10	Ea.	Kagan Cooperative Learning (Workshop Version) 528 Pages	\$34.00	\$340.00
539161	Kagan Publishing, Inc.	Hilltop High School	2	RQ17016611	10	Ea.	Kagan Cooperative Learning Course Workbook Day (56 pages)	\$0.00	\$0.00
539162	REI Recreational Equipment Inc.	Professional Development	1	RQ17017456	4	EA	LIFESTRAW WATER FILTER	\$17.95	\$71.80
539163	Mission Janitorial Supplies	Olympian High School	1	RQ17016858	8	EA	SPRAY 93 5GAL	\$21.19	\$169.52
539163	Mission Janitorial Supplies	Olympian High School	2	RQ17016858	20	CS	33X40 GREY 32GAL BADGER BAG, 250PK	\$33.50	\$670.00
539164	Ace Uniforms And Accessories, Inc.	Eastlake Middle School	1	RQ17016310	2	ea	Savety Vests Yellow M	\$35.00	\$70.00
539164	Ace Uniforms And Accessories, Inc.	Eastlake Middle School	2	RQ17016310	1	ea	Savety Vests Yellow L	\$35.00	\$35.00
539164	Ace Uniforms And Accessories, Inc.	Eastlake Middle School	3	RQ17016310	5	ea	Savety Vests Yellow XL	\$35.00	\$175.00
539164	Ace Uniforms And Accessories, Inc.	Eastlake Middle School	4	RQ17016310	3	ea	Savety Vests Yellow 2X	\$35.00	\$105.00
539165	Golden Star Technology, Inc.	Central Receiving	1	RQ17017537	1	ea	Printer - HP LaserJet Enterprise M506x	\$711.73	\$711.73
539166	CDW Government, Inc.	Professional Development	1	RQ17017514	2	ea	StarTech.com HDMI to VGA Adapter Converter for Desktop / Laptop / Ultrabook	\$28.04	\$56.08
539167	Newegg Business, Inc.	Central Receiving	1	RQ17017517	2	Ea	ASRock J3160DC-ITX Mini ITX	\$104.99	\$209.98

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539167	Newegg Business, Inc.	Central Receiving	2	RQ17017517	4	Ea	Rosewill RCW-568 100 ft. Network Cable	\$16.99	\$67.96
539167	Newegg Business, Inc.	Central Receiving	3	RQ17017517	2	Ea	StarTech Model PAC10125 25 ft. Extension	\$14.89	\$29.78
539167	Newegg Business, Inc.	Central Receiving	4	RQ17017517	2	Ea	Rosewill Model RHEC-16OR50 50 ft. Orange	\$20.99	\$41.98
539167	Newegg Business, Inc.	Central Receiving	5	RQ17017517	2	Ea	TRENDnet network-switches TEG-S50G 5-Port	\$17.99	\$35.98
539167	Newegg Business, Inc.	Central Receiving	6	RQ17017517	1	Ea	ASUS RT-AC66R 802.11ac Dual-Band Wireless-	\$90.98	\$90.98
539167	Newegg Business, Inc.	Central Receiving	7	RQ17017517	2	Ea	AOC E2260SWDN Black 21.5' 5ms Widescreen	\$92.71	\$185.42
539167	Newegg Business, Inc.	Central Receiving	8	RQ17017517	1	Lot	Electronic Waste Recycling Act15-34	\$6.00	\$6.00
539167	Newegg Business, Inc.	Central Receiving	9	RQ17017517	2	Ea	Insten 1668062 50 ft. 1X High Speed HDMI	\$19.65	\$39.30
539167	Newegg Business, Inc.	Central Receiving	10	RQ17017517	1	Ea	LG Electronics 65UH6150 65-Inch 2160p 4K Ultra, 1 yr warranty	\$1,197.00	\$1,197.00
539167	Newegg Business, Inc.	Central Receiving	11	RQ17017517	1	Lot	Electronic Waste Recycling Act 35	\$7.00	\$7.00
539167	Newegg Business, Inc.	Central Receiving	12	RQ17017517	2	Ea	150' FT CAT6 CAT 6 RJ45 Ethernet Network	\$17.37	\$34.74
539167	Newegg Business, Inc.	Central Receiving	13	RQ17017517	2	Ea	Silicon Power S55 240GB 2.5' 7mm SATA III	\$161.98	\$323.96
539167	Newegg Business, Inc.	Central Receiving	14	RQ17017517	2	Ea	ISK 110 VESA Mini-ITX Case	\$171.40	\$342.80
539168	Vernier Software & Technology, LLC	Curriculum	1	RQ17017509	2	EA	2 L SAMPLING CHAMBER	\$19.00	\$38.00
539168	Vernier Software & Technology, LLC	Curriculum	2	RQ17017509	2	EA	BLOOD PRESSURE SENSOR	\$105.00	\$210.00
539168	Vernier Software & Technology, LLC	Curriculum	3	RQ17017509	2	EA	CO2 GAS SENSOR	\$259.00	\$518.00
539168	Vernier Software & Technology, LLC	Curriculum	4	RQ17017509	7	EA	CONDUCTIVITY PROBE	\$92.15	\$645.05
539168	Vernier Software & Technology, LLC	Curriculum	5	RQ17017509	2	SET	DYNAMICS SYSTEM: 2 DTS-KIT, 2 DTS TRACK	\$239.00	\$478.00
539168	Vernier Software & Technology, LLC	Curriculum	6	RQ17017509	1	EA	EARTH SCIENCE W/ VERNIER - ELEC	\$40.00	\$40.00
539168	Vernier Software & Technology, LLC	Curriculum	7	RQ17017509	1	EA	EXERCISE HEART RATE MONITOR	\$93.00	\$93.00
539168	Vernier Software & Technology, LLC	Curriculum	8	RQ17017509	1	EA	GAS PRESSURE SENSOR	\$83.00	\$83.00
539168	Vernier Software & Technology, LLC	Curriculum	9	RQ17017509	2	EA	VERNIER LABQUEST 2	\$329.00	\$658.00
539168	Vernier Software & Technology, LLC	Curriculum	10	RQ17017509	2	EA	LABQUEST MINI	\$149.00	\$298.00

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539168	Vernier Software & Technology, LLC	Curriculum	11	RQ17017509	2	EA	MICROPHONE	\$39.00	\$78.00
539168	Vernier Software & Technology, LLC	Curriculum	12	RQ17017509	2	EA	MOTION DETECTOR	\$79.00	\$158.00
539168	Vernier Software & Technology, LLC	Curriculum	13	RQ17017509	1	EA	O2 GAS SENSOR	\$195.00	\$195.00
539168	Vernier Software & Technology, LLC	Curriculum	14	RQ17017509	2	EA	OPTICAL DO LIGHT SHIELD	\$4.00	\$8.00
539168	Vernier Software & Technology, LLC	Curriculum	15	RQ17017509	1	EA	RESPIRATION MONITOR BELT	\$63.00	\$63.00
539168	Vernier Software & Technology, LLC	Curriculum	16	RQ17017509	1	EA	SALINITY SENSOR	\$109.00	\$109.00
539168	Vernier Software & Technology, LLC	Curriculum	17	RQ17017509	27	EA	STAINLESS STEEL TEMP PROBE	\$28.13	\$759.51
539168	Vernier Software & Technology, LLC	Curriculum	18	RQ17017509	1	EA	TURBIDITY SENSOR	\$112.00	\$112.00
539168	Vernier Software & Technology, LLC	Curriculum	19	RQ17017509	3	EA	USB DIGITAL MICROSCOPE	\$119.00	\$357.00
539168	Vernier Software & Technology, LLC	Curriculum	20	RQ17017509	7	EA	UVB SENSOR	\$103.79	\$726.53
539168	Vernier Software & Technology, LLC	Curriculum	21	RQ17017509	2	EA	WATER QUALITY BOTTLES (8)	\$28.00	\$56.00
539168	Vernier Software & Technology, LLC	Curriculum	22	RQ17017509	5	EA	GO!LINK INTERFACE	\$61.00	\$305.00
539168	Vernier Software & Technology, LLC	Curriculum	23	RQ17017509	2	EA	PH SENSOR	\$79.00	\$158.00
539168	Vernier Software & Technology, LLC	Curriculum	24	RQ17017509	2	EA	VERNIER OPTICAL DO PROBE	\$299.00	\$598.00
539168	Vernier Software & Technology, LLC	Curriculum	25	RQ17017509	8	EA	TI LIGHT PROBE	\$13.00	\$104.00
539168	Vernier Software & Technology, LLC	Curriculum	26	RQ17017509	8	EA	MAGNETIC FIELD SENSOR	\$56.26	\$450.08
539168	Vernier Software & Technology, LLC	Curriculum	27	RQ17017509	1		Credit Memo T5230665 (to be applied at time of purchase)	-\$1,001.38	-\$1,001.38
539169	SparkFun Electronics	Hilltop Middle School	1	RQ17016871	8	lot	08867 Hook-up Stranded Wire-Black (22 AWG)	\$2.95	\$23.60
539169	SparkFun Electronics	Hilltop Middle School	2	RQ17016871	8	lot	08866 Hook-up Stranded Wire-White (22 AWG)	\$2.95	\$23.60
539169	SparkFun Electronics	Hilltop Middle School	3	RQ17016871	8	lot	08865 Hook-up Stranded Wire-Red (22 AWG)	\$2.95	\$23.60
539170	SparkFun Electronics	Mar Vista Academy	1	RQ17016869	8	lot	PRT-08867 Hook-up Stranded Wire-Black (22 AWG)	\$2.95	\$23.60

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539170	SparkFun Electronics	Mar Vista Academy	2	RQ17016869	8	lot	08866 Hook-up Stranded Wire-White (22 AWG)	\$2.95	\$23.60
539170	SparkFun Electronics	Mar Vista Academy	3	RQ17016869	8	lot	08865 Hook-up Stranded Wire-Red (22 AWG)	\$2.95	\$23.60
539171	SparkFun Electronics	Chula Vista Middle School	1	RQ17016865	8	lot	PRT-08867 Hook-up Stranded Wire-Black (22 AWG)	\$2.95	\$23.60
539171	SparkFun Electronics	Chula Vista Middle School	2	RQ17016865	8	lot	08866 Hook-up Stranded Wire-White (22 AWG)	\$2.95	\$23.60
539171	SparkFun Electronics	Chula Vista Middle School	3	RQ17016865	8	lot	08865 Hook-up Stranded Wire-Red (22 AWG)	\$2.95	\$23.60
539172	Broadway Typewriter Company Inc	Otay Ranch HS	1	RQ17017595	1	ea	Replacement LCD (P/N: 05TOP9)	\$70.39	\$70.39
539172	Broadway Typewriter Company Inc	Otay Ranch HS	2	RQ17017595	1	ea	Replacement Bottom Case (P/N: 09VXX8)	\$61.59	\$61.59
539172	Broadway Typewriter Company Inc	Otay Ranch HS	3	RQ17017595	1	lot	Labor (Installation at \$79.00 per hour)	\$79.00	\$79.00
539173	B&H Photo	Central Receiving	1	RQ17016986	2	EA	LG PW800 PORTABLE HD LED, 1 yr warranty	\$597.00	\$1,194.00
539174	B&H Photo	Hilltop High School	1	RQ17016612	1	Each	Cisco SG200-18 18-Port 10/100/1000 Gigabit Ethernet Switch	\$193.93	\$193.93
539174	B&H Photo	Hilltop High School	2	RQ17016612	4	Each	Microsoft comfort mouse 4500 for business	\$17.66	\$70.64
539175	Apple Computer Inc.	Eastlake High School	1	RQ17017588	1	ea	Apple TV 32G	\$149.00	\$149.00
539175	Apple Computer Inc.	Eastlake High School	2	RQ17017588	1	ea	AppleCare Protection Plan for Apple TV-Auto Enroll	\$29.00	\$29.00
539176	Sureride Charter Inc.	Castle Park High School	1	RQ17017938	1	Lot	Round Trip Charter service to UTI Rancho Cucamonga on Tues, May 9, 2017	\$1,236.00	\$1,236.00
539177	Multi Service Technology Solutions, Inc.	Athletic Support	1	RQ17017096	2	ea	Klipsch Promedia 2.1 computer speakers	\$179.99	\$359.98
539178	Express Pipe & Supply Co., Inc.	Maintenance	1	RQ17017584	1	ea	waste king 1000-1 food waste removal system (garbage disposal)	\$1,507.50	\$1,507.50
539179	Digicert, Inc	Information Technology	1	RQ17017298	1	Cert	WildCard Plus - Unlimited Sub-Domains Based on Single Common Name. Strong 256-Bit Encryption.	\$1,425.00	\$1,425.00
539180	Fuller Ford	Transportation	1	RQ17017306	1	ea	Provide urgency of need parts for district maintenance vehicles as requested for the period: 5/9/2017 through 6/30/2017.	\$3,000.00	\$3,000.00
539181	IVS Computer Technology	Southwest Middle School	1	RQ17015966	1	lot	Service Call Charge \$125.00 for the first hour, \$99.00 each additional hour job #4653 - RM 1202 Sales Quote 2017-01747 date on 04/13/17	\$125.00	\$125.00

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539182	Phone Supplements, Inc.	East Hills Academy	1	RQ17017607	1	ea	Wireless Over the Ear with Lifter	\$246.00	\$246.00
539183	Broadway Typewriter Company Inc	Bonita Vista High School	1	RQ17016413	1	ea	Dell 97 WHr 9-cell Lithium Ion Slice Battery 312-1351	\$215.59	\$215.59
539184	Home Depot	Bonita Vista Middle School	1	RQ17016764	1	ea	3-in-1 True HEPA Air Purifier with UV Sanitizer and Odor Reduction, 22 in. Tower Model #AC4825E	\$96.99	\$96.99
539184	Home Depot	Bonita Vista Middle School	2	RQ17016764	1	ea	True HEPA GENUINE Replacement Filter B for AC4300/AC4800/4900 Series Air Purifiers	\$26.33	\$26.33
539185	Home Depot	Student Support Services	1	RQ17017647	2,520	Rolls	1.89' x 55 YD 394 GP 9 MIL Duct Tape	\$3.96	\$9,979.20
539185	Home Depot	Student Support Services	2	RQ17017647	2,315	Ea	Homer Bucket Lid (Orange) 5 Gallon	\$1.48	\$3,426.20
539185	Home Depot	Student Support Services	3	RQ17017647	2,315	Ea	5 Gallon Bucket - Homer Logo (Orange)	\$2.97	\$6,875.55
539186	Smart & Final Stores Corporation	Southwest High School	1	RQ17017810	1	LOT	Purchase of healthy snacks, waters, coffee & coffee supplies plus disposable serving ware for Raider Way Assembly. Date to be determined.	\$264.00	\$264.00
539187	Crisis Prevention Institute Inc	Special Services	1	RQ17017782	1	ea.	Crisis Prevention Instructor Training Registration for 8/1/2017 San Diego Instructor Certification Training for Colleen Finn.	\$799.00	\$799.00
539187	Crisis Prevention Institute Inc	Special Services	3	RQ17017782	1	ea	Change Order #1 per S.Randle, Amount increased to \$1,499. for two day course. 05-15-2017 DP	\$700.00	\$700.00
539188	YMCA of San Diego County	Mar Vista Academy	1	RQ17016672	1	Lot	Middle School Girsl Soccer Team (League Fee)	\$500.00	\$500.00
539188	YMCA of San Diego County	Mar Vista Academy	2	RQ17016672	1	Lot	Transportation Fee (Round Trip)	\$600.00	\$600.00
539189	iDesign USA Corp.	Central Receiving	1	RQ17017933	4	Ea	Makerbot Replicator+ 3D Printers	\$2,360.00	\$9,440.00
539189	iDesign USA Corp.	Central Receiving	2	RQ17017933	4	Ea	Two-Year MakerCare Preferred Protection Plan	\$849.00	\$3,396.00
539190	iDesign USA Corp.	Central Receiving	1	RQ17017931	1	Ea	27332 Afinia H800+ 3D Printer (1 year limited warranty)	\$1,899.00	\$1,899.00
539190	iDesign USA Corp.	Central Receiving	2	RQ17017931	1	Ea	25176 Ext Warranty, 2nd Year, Afinia H800+	\$399.00	\$399.00
539191	Golden Star Technology, Inc.	Central Receiving	1	RQ17017920	1	ea	HP Color LaserJet Enterprise MFP M577dn(B5L46A) 1yr Warranty	\$1,497.00	\$1,497.00
539192	Whitaker Brothers Business Machines, Inc.	Montgomery High School	1	RQ17017728	1	ea	DESTROYIT 4002 CC LEVEL 3/P4 WITH AUTOMATIC OILER, Lifetime warranty on shredder head	\$2,149.00	\$2,149.00
539193	Air Force Association	CTE (formerly ROP)	1	RQ17017687	1	ea	CyberCamp Registration Fee for Camp 17-0190	\$1,050.00	\$1,050.00

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539194	Air Force Association	CTE (formerly ROP)	1	RQ17017693	1	ea	CyberCamps Supply Order S000143	\$360.00	\$360.00
539195	Broadway Typewriter Company Inc	Montgomery High School	1	RQ17017642	2	ea	THINKVISION T2224Z 21.5 INCH (DISPLAYPORT TO DISPLAYPORT CABLE INCLUDED	\$169.29	\$338.58
539195	Broadway Typewriter Company Inc	Montgomery High School	2	RQ17017642	2	ea	CA ELECTRONIC WASTE RECYCLING FEE	\$6.00	\$12.00
539196	Robotics Education & Competition Foundation, Inc.	Sweetwater High School	1	RQ17016950	1	EA	VRC 2017-2018 In the zone registration fee for team number 6619Z (season - 119)	\$150.00	\$150.00
539196	Robotics Education & Competition Foundation, Inc.	Sweetwater High School	2	RQ17016950	2	EA	VRC 2017 - 2018 In the zone registration fee for teams: 6619X and 6619Y.	\$100.00	\$200.00
539196	Robotics Education & Competition Foundation, Inc.	Sweetwater High School	3	RQ17016950	1	LOT	Invoice #: 61733947	\$0.00	\$0.00
539197	Herrera, Alberto C.	Montgomery High School	1	RQ17017854	4	ea	CRAMER ATHLETIC TAPE	\$64.95	\$259.80
539197	Herrera, Alberto C.	Montgomery High School	2	RQ17017854	4	ea	MUELLER INSTANT COLD PACKS	\$19.95	\$79.80
539197	Herrera, Alberto C.	Montgomery High School	3	RQ17017854	1	ea	MUELLER INSTANT COLD PACKS	\$85.95	\$85.95
539198	CDW Government, Inc.	Special Services	1	RQ17017814	25	ea	Zagg Pocket Keyboard, Mfg. Part#: APLPOC-BK0, UNSPSC: 43211706, Contract: MARKET	\$49.48	\$1,237.00
539199	Golden Star Technology, Inc.	Central Receiving	1	RQ17017775	1	ea	HP LaserJet Enterprise M604dn Printer, 1yr Warranty	\$674.65	\$674.65
539201	El Tapatio Restaurant Inc.	Athletic Support	1	RQ17017719	20	ea	Menu: Breakfast:chilaquiles & machaca beans & tortillas slashorange juice & coffee	\$6.00	\$120.00
539201	El Tapatio Restaurant Inc.	Athletic Support	2	RQ17017719	1	ea	Delivery Fee	\$25.00	\$25.00
539202	Silver Creek Industries, Inc.	Planning & Facilities	1	RQ17015634	1	lot	(4) 24' X 40' Open Classroom Buildings at Chula Vista High School.	\$273,163.00	\$273,163.00
539203	Waxie's Enterprises, Inc.	Sweetwater High School	1	RQ17017713	5	cs	3M Scotch brite surface preparation spp 12'x18 10cs	\$77.64	\$388.20
539203	Waxie's Enterprises, Inc.	Sweetwater High School	3	RQ17017713	11	cs	3M red buffer pad floor pad 5100 12X18 5/cs	\$24.95	\$274.45
539203	Waxie's Enterprises, Inc.	Sweetwater High School	4	RQ17017713	60	cs	19510 Sofpull 2 ply high capacity center pull bathroom tissue	\$29.99	\$1,799.40
539203	Waxie's Enterprises, Inc.	Sweetwater High School	5	RQ17017713	50	ea	No Cost - 56500 sofpull high capacity centerpull bath tissue dispenser, splash blue features one sheet at a time dispensing	\$0.00	\$0.00
539203	Waxie's Enterprises, Inc.	Sweetwater High School	6	RQ17017713	6	5/gl drum	Balance	\$48.07	\$288.42
539203	Waxie's Enterprises, Inc.	Sweetwater High School	7	RQ17017713	1	lot	Additional tax	\$13.81	\$13.81

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539203	Waxie's Enterprises, Inc.	Sweetwater High School	9	RQ17017713	3	bx	waxie w8645XL Nitrile powder glove	\$7.33	\$21.99
539204	JES Engraving Company, Inc.	Mar Vista High School	1	RQ17017822	2	each	1 ea Sal and 1 ea Val Medallions 3"	\$15.00	\$30.00
539204	JES Engraving Company, Inc.	Mar Vista High School	2	RQ17017822	2	each	Acrylic with stand for Sal and Val	\$65.00	\$130.00
539204	JES Engraving Company, Inc.	Mar Vista High School	3	RQ17017822	1	each	Art work for Medallion and Arylic Shipping and Handling.	\$50.00	\$50.00
539205	NCHERM Group, LLC, (The)	Chief Compliance Officer	1	RQ17017314	2	ea	Full Individual three year membership in the Association of Title IX Adminstartions	\$1,499.00	\$2,998.00
539206	Beale Ash Inc	Central Receiving	1	RQ17017405	1	ea	GFP Professional Cold Laminator 30' Wide Warranty: 1 year parts & labor	\$2,795.00	\$2,795.00
539207	Beale Ash Inc	Central Receiving	1	RQ17017406	1	rl	PSG-30150 GFP Pressure Sensitive Over-Laminate	\$98.25	\$98.25
539208	United Transmission Exchange, Inc.	Transportation	1	RQ17017531	1	ea	MD3060R - 6510327927	\$2,995.00	\$2,995.00
539209	Dande, Inc	Transportation	1	RQ17017940	1	lot	Labor: Remove oxidation and seal with clear coat	\$1,496.25	\$1,496.25
539209	Dande, Inc	Transportation	2	RQ17017940	1	lot	Parts	\$291.41	\$291.41
539209	Dande, Inc	Transportation	3	RQ17017940	1	ea	Paint supplies	\$26.00	\$26.00
539209	Dande, Inc	Transportation	4	RQ17017940	1	ea	Enviromental Charge	\$20.00	\$20.00
539210	Creative Bus Sales, Inc.	Transportation	1	RQ17017532	1	ea	Cover Assy Front Rear Half G2	\$1,156.71	\$1,156.71
539210	Creative Bus Sales, Inc.	Transportation	2	RQ17017532	1	ea	Kit Front Cover- Front Half W/Seal	\$943.77	\$943.77
539211	Bonita Pipeline, Inc.	Maintenance	1	RQ17017144	1	job	Provide material and labor to repair/rehabilitation a 12' catch basin, including replacement of asphalt and install 30ft of 3' galvanized pipe in front of room 914 & 916 for Bonita Vista High School.	\$6,303.04	\$6,303.04
539212	Accent Electronics, Inc	Maintenance	1	RQ17017603	1	job	Provide material and labor to repair the auditorium fire alarm beam detector for Southwest Middle School.	\$1,100.00	\$1,100.00
539213	Hawthorne Rent It Service	Maintenance	1	RQ17017577	2	lot	Rental for two weeks: Motor grader noram 65e ID: 032499 serial:65et9909 model: 65e	\$1,568.00	\$3,136.00
539213	Hawthorne Rent It Service	Maintenance	2	RQ17017577	1	lot	environmental fee	\$62.72	\$62.72
539213	Hawthorne Rent It Service	Maintenance	3	RQ17017577	1	lot	delivery	\$115.00	\$115.00
539213	Hawthorne Rent It Service	Maintenance	4	RQ17017577	1	lot	pick up charge	\$115.00	\$115.00
539213	Hawthorne Rent It Service	Maintenance	5	RQ17017577	1	lot	rental protection plan	\$470.40	\$470.40

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539214	Jones School Supply Co., Inc	Southwest Middle School	1	RQ17015142	500	EA	2' Gold Seal, sel No Adhesive	\$0.04	\$20.00
539215	Graceland Coll Ctr for Prof Dev and Lifelong Lrng	State & Federal Programs	1	RQ17017698	3	ea	Registration fee for staff to attend The Organization Skills for Overwhelmed Seminar, June 16, 2017. Doubletree Hotel Downtown 1646 Front Street. San Diego, Ca. 92101 (619)239-6800. Attendees: Melito Barrera (Principal), Ms. Stefani Ordonez (Teacher), Ms. Elexus Vidal (Teachers Aide)	\$199.00	\$597.00
539216	Sport Supply Group, Inc.	Chula Vista Middle School	1	RQ17017923	4	EA	1366521, Wilson Jet Competition Basketball 29.5	\$47.99	\$191.96
539216	Sport Supply Group, Inc.	Chula Vista Middle School	2	RQ17017923	1	EA	1393074, Slkz Quickster Trainer	\$119.99	\$119.99
539216	Sport Supply Group, Inc.	Chula Vista Middle School	3	RQ17017923	2	ea	1362605, Compact Ball locker	\$189.99	\$379.98
539216	Sport Supply Group, Inc.	Chula Vista Middle School	4	RQ17017923	4	ea	1299816, Ballback Pro	\$29.99	\$119.96
539216	Sport Supply Group, Inc.	Chula Vista Middle School	5	RQ17017923	5	ea	1362679, Power Grip Basketball - Each	\$8.99	\$44.95
539216	Sport Supply Group, Inc.	Chula Vista Middle School	6	RQ17017923	1	ea	1162448, PVC Adjustable Scorekeeper	\$51.99	\$51.99
539216	Sport Supply Group, Inc.	Chula Vista Middle School	7	RQ17017923	4	ea	1363683, SKLZ -D -Man Hands up Defender	\$64.99	\$259.96
539216	Sport Supply Group, Inc.	Chula Vista Middle School	8	RQ17017923	2	ea	1388107, Double sided Basketball Coach's Board	\$13.99	\$27.98
539216	Sport Supply Group, Inc.	Chula Vista Middle School	9	RQ17017923	1	ea	6777XXXXBM, Gamecraft Scooter Board Storage Pole	\$16.39	\$16.39
539216	Sport Supply Group, Inc.	Chula Vista Middle School	10	RQ17017923	15	ea	BBFGPROX, MAC Leather Fielders GLV-FITS LFT Hand	\$53.99	\$809.85
539216	Sport Supply Group, Inc.	Chula Vista Middle School	11	RQ17017923	1	ea	1265187, Collegiate 7' x 7' Softball Protector	\$299.99	\$299.99
539216	Sport Supply Group, Inc.	Chula Vista Middle School	12	RQ17017923	1	ea	512830600, Schutt Ultimate Travel Tee	\$41.99	\$41.99
539216	Sport Supply Group, Inc.	Chula Vista Middle School	13	RQ17017923	1	ea	1323467, Vinyl Backdrop with Target	\$159.99	\$159.99
539216	Sport Supply Group, Inc.	Chula Vista Middle School	14	RQ17017923	1	ea	1159943, Jugs Instant Screen	\$179.99	\$179.99
539216	Sport Supply Group, Inc.	Chula Vista Middle School	15	RQ17017923	1	ea	1249156, Basketball Butler 2- Ball Holder	\$59.99	\$59.99
539217	Copy Link, Inc.	Central Receiving	1	RQ17017123	1	EA	Sharp MX-266N, 26 PPM B&W MFP. INCLUDES DELIVERY, INSTALLATION AND TRAINING.	\$3,700.00	\$3,700.00
539217	Copy Link, Inc.	Central Receiving	2	RQ17017123	2	EA	2 X 500 SHEET PAPER DRAWERS	\$0.00	\$0.00
539217	Copy Link, Inc.	Central Receiving	3	RQ17017123	1	EA	FAX KIT	\$0.00	\$0.00
539217	Copy Link, Inc.	Central Receiving	4	RQ17017123	1	EA	TONER	\$0.00	\$0.00
539217	Copy Link, Inc.	Central Receiving	5	RQ17017123	1	EA	DEVELOPER	\$0.00	\$0.00

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539218	Association of African American Educators (AAAE)	Equity Culture & Support Services		RQ17016863	1	EA	REGISTRATION FEE FOR MOENA SANTEE TO ATTEND 25TH ANNUAL EDUCATORS CONFERENCE.	\$200.00	\$200.00
539218	Association of African American Educators (AAAE)	Equity Culture & Support Services		RQ17016863	1	EA	REGISTRATION FEE FOR CELIA WALKER TO ATTEND 25TH ANNUAL EDUCATORS CONFERENCE.	\$250.00	\$250.00
539218	Association of African American Educators (AAAE)	Equity Culture & Support Services		RQ17016863	1	EA	REGISTRATION FEE FOR CRYSTAL EVANS TO ATTEND 25TH ANNUAL EDUCATORS CONFERENCE.	\$250.00	\$250.00
539219	Hydrosprout, Inc.	Hilltop High School	1	RQ17017677	1	LOT	Hydroseed Installation: Approximate square feet: 5,000, 2200 #/acre Wood Fiber Mulch, 150 #/acre Binder, 400 #acre 15-15-15 Fertilizer, 435 #/acre Pro Sportsfield Nitro Seed Mix @ 10 lbs/1,000 sq ft.	\$1,365.00	\$1,365.00
539219	Hydrosprout, Inc.	Hilltop High School	2	RQ17017677	1	LOT	Quote Number: MW5817119, Estimate \$1365.00 or \$0.2730 per Sq. Ft.	\$0.00	\$0.00
539220	Anytime Sign Solutions Inc.	Athletic Support	1	RQ17017527	1	ea	10'X10 Canopy with 79' X 117' backwall 7 41.5x 114.5' Sidewalls	\$1,347.78	\$1,347.78
539220	Anytime Sign Solutions Inc.	Athletic Support	2	RQ17017527	1	lot	Set up fee..	\$60.00	\$60.00
539221	CDW Government, Inc.	Castle Park High School	1	RQ17016374	2	EA	Hamilton Buhl Cart Cart for TV / AV system/ projector, lockable, heavy gauge steel, charcoal	\$291.56	\$583.12
539222	Power Systems, Inc.	Otay Ranch HS	1	RQ17017676	1	ea	Multi Purpose Storage Rack - Black/Gray	\$228.91	\$228.91
539223	Staples Inc. & Subsidiaries	Palomar High School	1	RQ17016370	8	ea	World Dryer Nova, 115-240V Universal Voltage Economical Automatic Hand Dryer, White (Model: 083000000)	\$190.00	\$1,520.00
539224	Willys Electronic Supply Co Inc	Chula Vista Adult School	1	RQ17017045	5	ea	HUBBELL CAT6 JACKS BL-S/O	\$220.00	\$1,100.00
539224	Willys Electronic Supply Co Inc	Chula Vista Adult School	2	RQ17017045	1	ea	HUBBELL PANEL 48PT-S/O	\$95.00	\$95.00
539224	Willys Electronic Supply Co Inc	Chula Vista Adult School	3	RQ17017045	10	ea	HUBBELL RACEWAY, 7FT -S/O	\$20.00	\$200.00
539224	Willys Electronic Supply Co Inc	Chula Vista Adult School	4	RQ17017045	10	ea	HUBBELL CEILING ENTRANCE -S/O	\$8.00	\$80.00
539224	Willys Electronic Supply Co Inc	Chula Vista Adult School	5	RQ17017045	10	ea	HUBBELL WALL BOX -S/O	\$13.75	\$137.50
539224	Willys Electronic Supply Co Inc	Chula Vista Adult School	6	RQ17017045	3	ea	HUBBELL FACEPLATE 4PT -S/O	\$2.50	\$7.50
539224	Willys Electronic Supply Co Inc	Chula Vista Adult School	7	RQ17017045	10	ea	HUBBELL FACEPLATE 6PT -S/O	\$2.50	\$25.00
539224	Willys Electronic Supply Co Inc	Chula Vista Adult School	8	RQ17017045	1	ea	4 SPACE VERTICAL PANEL MT	\$78.92	\$78.92

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539224	Willys Electronic Supply Co Inc	Chula Vista Adult School	9	RQ17017045	6	ea	BERKTEK CAT6 LANMARK, 1500FT	\$385.00	\$2,310.00
539225	Refrigeration Supplies Distributor	Maintenance	1	RQ17017382	1	ea	fuji 9rlfw1aou 9,000 btu cond unit hear pump 23 seer 230v use w/	\$660.43	\$660.43
539225	Refrigeration Supplies Distributor	Maintenance	2	RQ17017382	1	ea	fuji 9rlf1asu 9,000 btu wall mount indoor unit use w/aou9rlfw1	\$440.11	\$440.11
539226	Refrigeration Supplies Distributor	Maintenance	1	RQ17017377	1	ea	fuji 18rlbaou 18,000 btu outdoor unit heat pump 19 seer 230v 41	\$840.24	\$840.24
539226	Refrigeration Supplies Distributor	Maintenance	2	RQ17017377	1	ea	fuji 18rlbasu 18,000 btu indoor wall mount unit 230v use w/18rl	\$561.07	\$561.07
539227	SiteOne Landscape Supply Holding LLC	Maintenance	1	RQ17017644	1	ea	valve box branding kit brand neww item # vb2x5	\$632.24	\$632.24
539227	SiteOne Landscape Supply Holding LLC	Maintenance	2	RQ17017644	1	ea	#0 2' branding character for 2100 series item # bnl2-0	\$12.82	\$12.82
539227	SiteOne Landscape Supply Holding LLC	Maintenance	3	RQ17017644	2	ea	#1 2' branding character for 2100 series item # bnl2-1	\$12.82	\$25.64
539227	SiteOne Landscape Supply Holding LLC	Maintenance	4	RQ17017644	2	ea	#2 2' branding character for 2100 series item # bnl2-2	\$12.82	\$25.64
539227	SiteOne Landscape Supply Holding LLC	Maintenance	5	RQ17017644	2	ea	#3 2' branding character for 2100 series item # bnl2-3	\$12.82	\$25.64
539227	SiteOne Landscape Supply Holding LLC	Maintenance	6	RQ17017644	2	ea	#4 2' branding character for 2100 series item # bnl2-4	\$12.82	\$25.64
539227	SiteOne Landscape Supply Holding LLC	Maintenance	7	RQ17017644	1	ea	#5 2' branding character for 2100 series item # bnl2-5	\$12.82	\$12.82
539227	SiteOne Landscape Supply Holding LLC	Maintenance	8	RQ17017644	1	ea	#6 2' branding character for 2100 series item# bnl2-6	\$12.82	\$12.82
539227	SiteOne Landscape Supply Holding LLC	Maintenance	9	RQ17017644	1	ea	#7 2' branding character for 2100 series item # bnl2-7	\$12.82	\$12.82
539227	SiteOne Landscape Supply Holding LLC	Maintenance	10	RQ17017644	1	ea	#8 2' branding character for 2100 series item # bnl2-8	\$12.82	\$12.82
539227	SiteOne Landscape Supply Holding LLC	Maintenance	11	RQ17017644	1	ea	#9 2' branding character for 2100 series item # bnl2-9	\$12.82	\$12.82
539227	SiteOne Landscape Supply Holding LLC	Maintenance	12	RQ17017644	12	ea	brandnew 2 letter item note: letters needed are a-g, m,v, s, p & q. item # bnl2-letter	\$12.82	\$153.85
539228	SiteOne Landscape Supply Holding LLC	Montgomery High School	1	RQ17017606	3		#300 LARGE BLUE RUBBER GLOVES	\$4.52	\$13.55
539228	SiteOne Landscape Supply Holding LLC	Montgomery High School	2	RQ17017606	2		GOGGLES SAFETY SPARTAN SPLASH	\$3.55	\$7.10
539228	SiteOne Landscape Supply Holding LLC	Montgomery High School	3	RQ17017606	24		2-CYCLE JASO/ISO OIL - 2.6OZ	\$1.00	\$23.90
539228	SiteOne Landscape Supply Holding LLC	Montgomery High School	4	RQ17017606	2		ROUNDUP PROMAX 1.67 GAL JUG	\$79.19	\$158.38

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539228	SiteOne Landscape Supply Holding LLC	Montgomery High School	5	RQ17017606	2		GLOVE PIGSKIN DRIVER LG	\$8.88	\$17.76
539228	SiteOne Landscape Supply Holding LLC	Montgomery High School	6	RQ17017606	2		LESCO TRACKER MAX 1 QT	\$29.25	\$58.50
539228	SiteOne Landscape Supply Holding LLC	Montgomery High School	7	RQ17017606	2		16-6-8 TURF SUPREME 50 LB	\$23.12	\$46.24
539229	Grainger, Inc.	Maintenance	1	RQ17016945	2	ea	cordless combo, kit, 12.0 v, 2 tools, 2 batt mfg brand name: makita manufacturer part no: lct209w item # 12m837	\$166.40	\$332.80
539229	Grainger, Inc.	Maintenance	2	RQ17016945	2	ea	nutsetter, steel, phosphate finish mfg brand name: dewalt manufacturer part no: dw2235ir item # 4wlr5	\$18.97	\$37.94
539229	Grainger, Inc.	Maintenance	3	RQ17016945	1	ea	tape measure, 1-1/4 inx25 ft, yellow/black mfg brand name: stanley manufacturer part no: 33-725 item # 5hl16	\$20.05	\$20.05
539229	Grainger, Inc.	Maintenance	4	RQ17016945	1	ea	ball end hex key set, pieces 22, s17, m7 mfg brand name: eklind manufacturer part no: 13222 item # 4cr58	\$25.95	\$25.95
539229	Grainger, Inc.	Maintenance	5	RQ17016945	2	ea	multi-bit screwdriver, 5-in-1, 9-1/2 in mfg brand name: westward manufacturer part no: 1clp1 item # 1clp1	\$5.21	\$10.42
539229	Grainger, Inc.	Maintenance	7	RQ17016945	2	ea	adj. wrench set, 8', 10', chrome, 2 pc. mfg brand name: westward, manufacturer part no: 1nyd3 item # 1nyd3	\$22.69	\$45.38
539229	Grainger, Inc.	Maintenance	8	RQ17016945	1	ea	tongue and groove pliers, 12 in, mfg brand name: channellock, manufacturer part no: 440 item # 4cr41	\$13.47	\$13.47
539229	Grainger, Inc.	Maintenance	9	RQ17016945	1	ea	tongue and groove pliers, 9-1/2 in, mfg brand name: channellock, manufacturer part no: 420 item # 4cr37	\$11.78	\$11.78
539229	Grainger, Inc.	Maintenance	10	RQ17016945	1	ea	socket wrench set, sae, 1/2 in. dr, 16, mfg brand name: sk professional tools, manufacturer part no: 4116 item # 20j994	\$284.44	\$284.44
539229	Grainger, Inc.	Maintenance	11	RQ17016945	1	ea	grease gun, pistol grip handle, 6000 psi, mfg brand name: lincoln, manufacturer part no: 1133 item # 6y894	\$53.42	\$53.42
539229	Grainger, Inc.	Maintenance	12	RQ17016945	6	ea	thermaplex(r) multi-purpose, grease, mfg brand name: lps, manufacturer part no: 70614 item # 4uj42	\$5.07	\$30.42
539229	Grainger, Inc.	Maintenance	13	RQ17016945	2	ea	extension cord, 25 ft., 14/3 ga., mfg brand name: power first, manufacturer part no: 3ea99 item # 3ea99	\$9.59	\$19.18

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539229	Grainger, Inc.	Maintenance	14	RQ17016945	1	ea	ind gen cord, 3-outlet, 15a, 12/3 ga., 2 ft., mfg brand name: power first, manufacturer part no: 4gaa3 item # 4gaa3	\$12.04	\$12.04
539229	Grainger, Inc.	Maintenance	15	RQ17016945	1	ea	wet/dry vacuum, air flow 140 cfm, 5 hp, mfg brand name: dayton, manufacturer part no: 45uz57 item # 45uz57	\$146.47	\$146.47
539229	Grainger, Inc.	Maintenance	16	RQ17016945	1	ea	filter bag, 2-ply, 10 to14 gal., pk5, mfg brand name; dayton, manufacturer part no: 3up66 item # 3up66	\$35.17	\$35.17
539229	Grainger, Inc.	Maintenance	17	RQ17016945	6	ea	coated gloves, palm and fingers, l, 10', pr, mfg brand name: mcr safety, manufacturer part no: n9674l item # 2ell6	\$3.31	\$19.86
539229	Grainger, Inc.	Maintenance	18	RQ17016945	6	ea	coated gloves, palm and fingers, m, pr mfg brand name: mcr safety, manufacturer part no: n9674m item # 2ell7	\$3.31	\$19.86
539229	Grainger, Inc.	Maintenance	19	RQ17016945	10	ea	condenser fin whisk brush, face 3, tufts 8, mfg brand name; tough guy, manufacturer part no: 3hhe8 item # 3hhe8	\$2.09	\$20.90
539229	Grainger, Inc.	Maintenance	20	RQ17016945	1	ea	bench/counter brush, horsehair, 8', mfg brand name; tough guy, manufacturer part no: 1a849 item # 1a849	\$14.62	\$14.62
539229	Grainger, Inc.	Maintenance	21	RQ17016945	2	ea	water nozzle, black/red/maroon, 5-1/2in l, mfg brand name: westward, manufacturer part no: 1hlv3 item # 1hlv3	\$13.18	\$26.36
539229	Grainger, Inc.	Maintenance	22	RQ17016945	2	ea	water hose, cold water, red, pvc, 50ft., mfg. brand name: swan, manufacturer part no: csnrg58050 item # 45fe37	\$14.04	\$28.08
539229	Grainger, Inc.	Maintenance	23	RQ17016945	1	ea	water hose, cold water, red, pvc, 100 ft., mfg brand name: swan, manufacturer part no: csnrg58100 item # 45fe38	\$40.79	\$40.79
539229	Grainger, Inc.	Maintenance	26	RQ17016945	2	ea	Westward Ratcheting Wrench Set, Combination	\$138.75	\$277.50
539230	Grainger, Inc.	Sweetwater High School	1	RQ17016975	2	ea	Megaphone, 1 mil li Ion Battery pack Mfg Brand Name :AMPLIVOX SOUND	\$272.25	\$544.50
539230	Grainger, Inc.	Sweetwater High School	2	RQ17016975	1	LOT	ADDITIONAL TAX	\$2.72	\$2.72
539231	American Center for Learning	Special Services	1	RQ17014460	1	LOT	American Center For Learning to provide hourly sessions to be billed at \$50 per hour for tutoring of student (BW) identified by the Director of Special Services for the 2016-2017 school year, 7/1/16 - 6/30/17, per legal settlement dated 3/11/2016. Approved by BOT June 13, 2016, Item G-1. Per MOU signed by K. Michel 6/14/16.	\$450.00	\$450.00

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539232	New Alternatives, Inc.	Special Services	1	RQ17016538	1	LOT	ERMHS Counseling services per 2016-2017 contract. ISA's for individual students will be required for services when approved by the Director Of Special Services. Hourly counseling services for ERHMS specific, will be charged at a cost of \$75 per hour. BOT approved on June 13, 2016, Item GG-7.	\$25,000.00	\$25,000.00
539233	Klear Insdutries LLC	Chula Vista High School	1	RQ17016827	9	ea	Per Karen Michel July 22, 2016. water sentry plus filter	\$73.49	\$661.41
539234	Accent Electronics, Inc	Maintenance	1	RQ17016990	1	ea	574 zones, dialer/net, 350-g encl, inc 50va transfrmr item # xr550dnl-g	\$576.80	\$576.80
539234	Accent Electronics, Inc	Maintenance	2	RQ17016990	1	ea	12 volt, 7 ah battery item # es7-12	\$13.30	\$13.30
539235	Accent Electronics, Inc	Nutrition Services	3	RQ17017137	1	lot	Install data drops: install 2 data drops at two point of sale location terminate and test.	\$2,265.00	\$2,265.00
539236	Glass Company, Inc. (The)	Maintenance	1	RQ17017418	1	job	Provide material and labor to repair/replace windows for Southwest High School. (Rooms 716, 905 & 906)	\$1,580.00	\$1,580.00
539237	Glass Company, Inc. (The)	Maintenance	1	RQ17017415	1	job	Provide material and labor to repair windows for Southwest Middle School. (Relos 8, 10 & 11)	\$1,755.00	\$1,755.00
539238	Glass Company, Inc. (The)	Maintenance	1	RQ17017422	1	job	Provide material and labor to repair gym door for Olympian High School.	\$260.00	\$260.00
539239	Glass Company, Inc. (The)	Maintenance	1	RQ17017427	1	job	Provide material and labor to replace windows for Southwest Middle School.	\$1,930.00	\$1,930.00
539240	Apple Computer Inc.	Special Services	1	RQ17017587	2	ea	MD825AM/A Apple VGA Adapter	\$49.00	\$98.00
539240	Apple Computer Inc.	Special Services	2	RQ17017587	2	ea	MB572Z/B Apple VGA Adapter	\$29.00	\$58.00
539241	Legoland	Montgomery Middle School	1	RQ17017617	43	ea	EDU Title One AD & EDU Title One CH.	\$8.00	\$344.00
539241	Legoland	Montgomery Middle School	1	RQ17017617	40	ea	Simple Mach II class HF (2+) MAX32 & Simple Mach II class HP (2)(2+) MAX 32	\$0.00	\$0.00
539241	Legoland	Montgomery Middle School	1	RQ17017617	1	.	Pricing per Booking Reference # 3524441	\$0.00	\$0.00
539242	Myers-Stevens & Toohey & Co, Inc	Sweetwater High School	1	RQ17017214	1	Lot	Short term accident insurance coverage. 17 participants x 2 calendar days x \$1.75. Premium due: \$59.50	\$59.50	\$59.50
539243	Paper Direct, Inc.	Eastlake High School	1	RQ17014223	4	BX	Achievement Torch Deluxe Embossed Foil Seals	\$13.99	\$55.96
539243	Paper Direct, Inc.	Eastlake High School	2	RQ17014223	4	BX	Gold Excellence Seal Specialty Certificates	\$33.99	\$135.96
539244	Sundance Stage Lines, Inc.	Eastlake High School	1	RQ17017954	1	lot	Provide Charter bus service to Point Loma High School on May 11, 2017	\$785.00	\$785.00
539245	Avid Center	CTE (formerly ROP)	2	RQ17017109	1	EA	For BVM TEACHER(S) REG IDs: 478383-Andrea Currier	\$760.00	\$760.00

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539245	Avid Center	CTE (formerly ROP)	3	RQ17017109	3	EA	For CPM TEACHER(S) REG IDs: 478961-Ruth Covarrubias, 478960-Alexis Perraza, 478962-Isabel Velasquez	\$760.00	\$2,280.00
539245	Avid Center	CTE (formerly ROP)	4	RQ17017109	2	EA	For GRJ TEACHER(S) REG IDs: 478994-Kayla Allmon, 478399-Laura Luchau	\$760.00	\$1,520.00
539245	Avid Center	CTE (formerly ROP)	5	RQ17017109	1	EA	For ADMIN REG IDs: 478967-Lora Bumatay.GRJ	\$760.00	\$760.00
539246	Avid Center	CTE (formerly ROP)	2	RQ17017111	2	EA	For HTM TEACHER(S) REG IDs: 477397-Araceli Cervantes-HTM; 478968-Dora Cruz	\$760.00	\$1,520.00
539246	Avid Center	CTE (formerly ROP)	3	RQ17017111	2	EA	For MOM TEACHER(S) REG IDs: 478996-Leslie Garcia-Martinez; 477757-Monique Wood	\$760.00	\$1,520.00
539246	Avid Center	CTE (formerly ROP)	4	RQ17017111	2	EA	For MVA TEACHER(S) REG IDs: 479727-Leilani Faiai; 494300-Deborah Morris	\$760.00	\$760.00
539246	Avid Center	CTE (formerly ROP)	5	RQ17017111	1	ea	For ADMIN REG IDs: 494303-Maria Jaramillo.MVA	\$760.00	\$760.00
539247	San Diego County Superintendent of Schools	State & Federal Programs	1	RQ17017951	1	Lot	Hilltop Middle sent a team of 4: M. Carpizo, G. Delgado, R. Walker and C. Garcia to participate at the Program Evaluation Institute (6 day series) March 7-8, 2017, May 23-24, 2017, February 15, 2018 and March 2018 at SDCOE	\$2,800.00	\$2,800.00
539247	San Diego County Superintendent of Schools	State & Federal Programs	2	RQ17017951	1	Lot	Montgomery Middle sent a team of 5: C. Betando, A. Inzunza, M. Sanchez, J. Vargas, and L. Zumstein to participate at the Program Evaluation Institute (6 day series) March 7-8, 2017, May 23-24, 2017, February 15, 2018 and March 2018 at SDCOE	\$2,800.00	\$2,800.00
539248	Gallup, Inc.	Eastlake Middle School	1	RQ17017631	3	ea	Strengths-Based Schools, Two Day workshop 24-25, May-2017, at South County Regional Education Center, SKU: EVT - 1543245	\$299.00	\$897.00
539248	Gallup, Inc.	Eastlake Middle School	2	RQ17017631	1	.	Attendees: Courtney Quinn -CIS, Mixim Murchison and Heather Rindone.	\$0.00	\$0.00
539249	Prophet Corporation (The)	Bonita Vista High School	1	RQ17016879	1	ea	Deluxe Adjustable Tee	\$27.85	\$27.85
539249	Prophet Corporation (The)	Bonita Vista High School	2	RQ17016879	1	ea	InReach Beeper Ball	\$38.75	\$38.75
539250	Textbook Warehouse	Olympian High School	1	RQ17016940	5	ea	World Religions (TCR)	\$17.00	\$85.00

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539250	Textbook Warehouse	Olympian High School	2	RQ17016940	4	ea	Government in America, 13th Edition	\$71.95	\$287.80
539250	Textbook Warehouse	Olympian High School	3	RQ17016940	2	ea	Perrine's Sound and Sense: An Intro to Poetry, 9th Edition	\$24.25	\$48.50
539251	JW Pepper & Son, Inc.	Mar Vista High School	1	RQ17015089	3	each	RAIN Balmages, B Additional Scores	\$5.00	\$15.00
539251	JW Pepper & Son, Inc.	Mar Vista High School	2	RQ17015089	1	each	Balmages, B Band Set & Scores	\$45.00	\$45.00
539251	JW Pepper & Son, Inc.	Mar Vista High School	3	RQ17015089	1	each	At Morning's First Light Gillingham, D Band Set and Score	\$75.00	\$75.00
539251	JW Pepper & Son, Inc.	Mar Vista High School	4	RQ17015089	3	each	West Highland Fanfare Travis J. Weller Additional Scores	\$6.00	\$18.00
539251	JW Pepper & Son, Inc.	Mar Vista High School	5	RQ17015089	1	each	A West Highland Fanfare Travis J. Weller	\$50.00	\$50.00
539251	JW Pepper & Son, Inc.	Mar Vista High School	6	RQ17015089	1	each	Aventura	\$65.00	\$65.00
539252	Prophet Corporation (The)	Southwest Middle School	1	RQ17017099	2	ea	67-665, Screamin' Orange Agility Ladder-15'	\$24.20	\$48.40
539252	Prophet Corporation (The)	Southwest Middle School	2	RQ17017099	4	ea	42-085, DeBeer Official Clincher - Kapok Core,12', White	\$12.55	\$50.20
539252	Prophet Corporation (The)	Southwest Middle School	3	RQ17017099	1	ea	60-523, Gopher Soffelt VB, Rainbow Set of 6, 8' dia	\$125.13	\$125.13
539252	Prophet Corporation (The)	Southwest Middle School	4	RQ17017099	1	ea	66-422,Rainbow Gopher PerformerPlus -Hand-Sewn Rubber Soccer Ball, Size 5, set of 6	\$130.95	\$130.95
539252	Prophet Corporation (The)	Southwest Middle School	5	RQ17017099	1	ea	61-320, Gopher Rainbow Performer - Rubber, Footballs, Size 4, Set of 6	\$67.45	\$67.45
539252	Prophet Corporation (The)	Southwest Middle School	6	RQ17017099	1	ea	71-602, Rainbow UltraPlay UtilityBalls - 8.5' dia,Set of 6	\$58.15	\$58.15
539252	Prophet Corporation (The)	Southwest Middle School	7	RQ17017099	2	ea	61-206, Gopher Rainbow Performer - Rubber Basketball, Size 6, Set of 6	\$58.45	\$116.90
539252	Prophet Corporation (The)	Southwest Middle School	8	RQ17017099	1	ea	11-352, Rainbow Polypropylene Jump Ropes -9'L, Set of 6	\$17.05	\$17.05
539252	Prophet Corporation (The)	Southwest Middle School	9	RQ17017099	1	ea	11-354, Rainbow Polypropylene Jump Ropes -16'L Set of 6	\$26.95	\$26.95
539252	Prophet Corporation (The)	Southwest Middle School	10	RQ17017099	1	ea	68-822, Screamin' Orange Training Hurdles - 12'H Hurdles, Set of 6	\$71.95	\$71.95
539253	Oxford University Press	Sweetwater High School	1	RQ17017952	20	Ea	OPD 3E English Spanish P	\$24.60	\$492.00
539253	Oxford University Press	Sweetwater High School	2	RQ17017952	10	Ea	OPD 3E Monolingual P -	\$24.60	\$246.00
539254	Follett School Solutions, Inc.	Hilltop High School	1	RQ17017413	1	lot	16 Pre-selected AR Book titles (16 books total) per Titlewave Quote 9169875	\$252.93	\$252.93
539255	Perma-Bound Books	Bonita Vista High School	1	RQ17017586	147	ea	Customer 0404936 List Name Aug 2017 Maus: A Survivor's Tale paperback	\$11.17	\$1,641.99
539255	Perma-Bound Books	Bonita Vista High School	2	RQ17017586	150	ea	Handmaid's Tale by Atwood, Margaret paperback	\$11.17	\$1,675.50

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539256	Chair Slippers	East Hills Academy	1	RQ17017273	60		Medium blue chair feet	\$1.24	\$74.40
539257	R&B Filtration	Sweetwater High School	1	RQ17017388	72	ea	pleated filters 20x24x2	\$3.65	\$262.80
539257	R&B Filtration	Sweetwater High School	2	RQ17017388	12	ea	pleated filters 20x20x1	\$2.76	\$33.12
539257	R&B Filtration	Sweetwater High School	3	RQ17017388	12	ea	pleated filters 12x25x1	\$3.72	\$44.64
539257	R&B Filtration	Sweetwater High School	4	RQ17017388	12	ea	pleated filters 24x24x2	\$3.78	\$45.36
539258	Socal Artisan Foods Inc.	Sweetwater High School	1	RQ17017256	160	ea	Menu for Guests: Lunch Menu order - Colorful Garden Salad/Fettuccini Alfredo/Grilled Vegetables and Papas al Horno/Breadsticks/Mini Cookies and Brownies/Assorted Drinks 20% Diet and 80% Regular/ Additional tax NC	\$11.00	\$1,760.00
539258	Socal Artisan Foods Inc.	Sweetwater High School	2	RQ17017256	1	ea	Delivery Fee	\$13.20	\$13.20
539258	Socal Artisan Foods Inc.	Sweetwater High School	3	RQ17017256	1	ea	Delivery Fee	\$50.00	\$50.00
539259	San Diego Scenic Tours, Otay Ranch HS Inc.		1	RQ17017953	1	lot	Charter needed to transport Lacrosse Team from ORHS to San Marcos High School on May 10th.	\$912.00	\$912.00
539260	B&H Photo	Montgomery High School	1	RQ17017530	4	ea	RAR5142 RAYA 5 IN1 COLLASIBLE REFLECTOR DISC 42'	\$19.16	\$76.64
539260	B&H Photo	Montgomery High School	2	RQ17017530	1	ea	IMBGC1012 IMPACT CHROMA SHEET BACKGROUND (GREEN) 10 X 12	\$44.21	\$44.21
539260	B&H Photo	Montgomery High School	3	RQ17017530	2	ea	IMBGC1012 IMPACT CHROMA SHEET BACKGROUND (BLUE) 10 X 12	\$44.21	\$88.42
539260	B&H Photo	Montgomery High School	4	RQ17017530	1	ea	BOC20MS BOSE COMPAINION 20 MUSTIMEDIA SPEAKER SYSTEM	\$249.00	\$249.00
539260	B&H Photo	Montgomery High School	5	RQ17017530	8	ea	HOAPMRF HOSA TECH. GPR 101 MALE 1/4' PHONE TO FEMALE RCA	\$2.89	\$23.12
539260	B&H Photo	Montgomery High School	6	RQ17017530	2	ea	KRA35M2RAM35 KRAMER 3.5MM TO ZRCA BREAKOUT CABLE	\$11.76	\$23.52
539260	B&H Photo	Montgomery High School	7	RQ17017530	10	ea	KUKAUXMM6F KANEX STERO AUX FLAT CABLE (6', BLACK) purple n/a	\$6.81	\$68.10
539260	B&H Photo	Montgomery High School	8	RQ17017530	7	ea	JOGPOBC JOBY GORILLAPOD FLEXIBLE MINI-TRIPOD/GRIP	\$17.96	\$125.72
539260	B&H Photo	Montgomery High School	9	RQ17017530	4	ea	SAEMSD64V30G SANDISK 64GB EXTREME UHS-I	\$30.70	\$122.80
539260	B&H Photo	Montgomery High School	10	RQ17017530	6	ea	LECR251 LEXAR MULTI-CARD 25-IN-1 USB 3.0 MEMORY CARD READER	\$20.66	\$123.96
539260	B&H Photo	Montgomery High School	11	RQ17017530	4	ea	MAVT4000 MAGNUS VT-4000 TRIPOD SYSTEM WITH FLUID HEAD	\$127.96	\$511.84
539260	B&H Photo	Montgomery High School	12	RQ17017530	2	ea	GLSYL960 GLIDE GEAR SYL-960 FLOOR/TRACK HYBRID TRIPOD DOLLY	\$193.06	\$386.12

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539260	B&H Photo	Montgomery High School	3	RQ17017530	20	ea	JVHAS160R JVC HA-S160 FLATS ON-EAR STEREO	\$11.75	\$235.00
539260	B&H Photo	Montgomery High School	14	RQ17017530	4	ea	DICP2157 DIGITAL JUICE 5 X 7" CHROMA POP PORTABLE BLUE GREEN SCREEN STUDIO	\$183.74	\$734.96
539260	B&H Photo	Montgomery High School	15	RQ17017530	1	ea	RESR500 REVO VIDEO SHOULDER SUPPORT	\$20.76	\$20.76
539260	B&H Photo	Montgomery High School	16	RQ17017530	1		BWUV62 B+W 62MM UV HAZE MRC 010M, REPLACES BWUVMC62	\$19.20	\$19.20
539260	B&H Photo	Montgomery High School	17	RQ17017530	1	ea	PEUSB3AA6 PEARSTONE USB 3.0 TYPE A MALE TO TYPE A FEMALE EXTENSION CABLE - 6'	\$3.99	\$3.99
539260	B&H Photo	Montgomery High School	19	RQ17017530	1	ea	BLUSMINIREC BLACKMAGIC DESIGN ULTRASTUDIO MINI RECORDER CAPTURE DEVICE	\$135.00	\$135.00
539260	B&H Photo	Montgomery High School	20	RQ17017530	10	ea	SAEMSD64V30G SANDISK 64GB EXTREME UHS-I	\$30.70	\$307.00
539260	B&H Photo	Montgomery High School	22	RQ17017530	1	ea	JVBNS8823 JVC SWIT BN-S8823J7.2V LITHIUM ION BATTERY FOR GY - HM 100/150/170	\$83.81	\$83.81
539260	B&H Photo	Montgomery High School	23	RQ17017530	4	ea	HUH501S05 HUBSAN PROPELLER SET FOR H501S X4 FPV QUADCOPTER (BLAD-A, BLACK)	\$4.89	\$19.56
539260	B&H Photo	Montgomery High School	25	RQ17017530	2	ea	SADD3128G SANDISK 128GB USB 3.0 / MIRCRO-USB FLASH DRIVE	\$32.27	\$64.54
539260	B&H Photo	Montgomery High School	26	RQ17017530	1	ea	GORBH5 GRPRO RECHARGEABLE BATTERY FOR HEROS BLACK	\$18.62	\$18.62
539260	B&H Photo	Montgomery High School	27	RQ17017530	1	ea	GOTH GOPRO THE HANDLER FLOATING HAND	\$28.42	\$28.42
539260	B&H Photo	Montgomery High School	28	RQ17017530	1	ea	GOFLOATY GOPRO FLOATY	\$18.62	\$18.62
539260	B&H Photo	Montgomery High School	29	RQ17017530	1	ea	GOSSDH GOPRO SUPER SUIT DIVE HOUSING FOR HERO5 BLACK	\$48.02	\$48.02
539260	B&H Photo	Montgomery High School	30	RQ17017530	1	ea	HOYCRTRSRA6 HOSA TECHNOLOGY REAN 3.5MM TRS TO DUAL RCA PRO STERO BREAKOUT CABLE 6' REPLACES HOYCRTRSRA3	\$11.71	\$11.71
539260	B&H Photo	Montgomery High School	31	RQ17017530	1	ea	COYCSFM2RM COMPREHENSIVE 3.5MM STERO JACK TO TWO RCA PLUGS Y CABLE - 6'	\$3.91	\$3.91
539260	B&H Photo	Montgomery High School	32	RQ17017530	2	ea	COMPS2PP6ST COMPREHENSIVE STANDARD SERIES 3.5. STERO MINI PLUG TO 2 RCA PLUGS AUDIO CABLE *****Qty Ordered is 2*****	\$2.65	\$5.30

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539260	B&H Photo	Montgomery High School	33	RQ17017530	1	ea	VISB3820C6 VIZIO SB3820-C6 38' 2.0	\$96.04	\$96.04
539260	B&H Photo	Montgomery High School	34	RQ17017530	4		SOUNDBAR SPEAKER XCUSB10PCHSV XCELLON 10=PORT POWERED USB 3.0 ALUMINUM HUB (SILVER) replaces XCUSB10PHSV2	\$47.96	\$191.84
539260	B&H Photo	Montgomery High School	35	RQ17017530	15	ea	BEF8E081BLU BELKIN STANDARD MOUSEPAD (BLUE)	\$1.56	\$23.40
539261	SupplyMaster, Inc.	Equity Culture & Support Services		RQ17017402	1	ea	HP LaserJet Pro M402dne Monochrome Mfg. Part: C5J91A#BGJ	\$218.00	\$218.00
539262	Apple Computer Inc.	Central Receiving	1	RQ17017075	1	ea	MGEM2LL/A, Mac mini: 1.4GHz dual-core Intel Core i5, 065-C2N8 1.4GHz Intel Dual-Core Core i5065-C2NF 4GB 1600MHz LPDDR3 SDRAM - 2x2GB, 065-C2NJ 500GB Serial ATA Drive @ 5400 rpm, 065-C2NV Intel HD Graphics 5000, 065-C2P8 User's Guide (English).	\$479.00	\$479.00
539262	Apple Computer Inc.	Central Receiving	2	RQ17017075	1	ea	S3132LL/A, AppleCare Protection Plan for Mac mini - Auto Enroll	\$79.00	\$79.00
539262	Apple Computer Inc.	Central Receiving	3	RQ17017075	1	ea	MLA02LL/A, Magic Mouse 2	\$79.00	\$79.00
539262	Apple Computer Inc.	Central Receiving	4	RQ17017075	1	ea	MJ2R2LL/A, Magic Trackpad 2	\$129.00	\$129.00
539262	Apple Computer Inc.	Central Receiving	5	RQ17017075	1	ea	MLA22LL/A, Apple Magic Keyboard - US English	\$99.00	\$99.00
539262	Apple Computer Inc.	Central Receiving	6	RQ17017075	1	ea	TV848LL/A, ABSOLUTE COMPTRACE COMP CPS ACAD POS 3Y	\$74.00	\$74.00
539263	Apple Computer Inc.	Castle Park Middle School	1	RQ17017786	5	ea	USB-C to USB Adapter, Part Number MJ1M2AM/A	\$9.00	\$45.00
539263	Apple Computer Inc.	Castle Park Middle School	2	RQ17017786	5	ea	USB-C VGA Multiport Adapter, Part Number MJL2AM/A	\$49.00	\$245.00
539264	Apple Computer Inc.	Central Receiving	1	RQ17017609	3	ea	9.7" i-pad Pro Wi-Fi 32gb - Gold	\$579.00	\$1,737.00
539264	Apple Computer Inc.	Central Receiving	2	RQ17017609	3	ea	3-Year AppleCare+ for i-Pad	\$99.00	\$297.00
539264	Apple Computer Inc.	Central Receiving	3	RQ17017609	3	ea	Computrace MTM Premium for i-Pad 3 Year Subscription	\$79.95	\$239.85
539264	Apple Computer Inc.	Central Receiving	4	RQ17017609	3	ea	CA eWaste Recycling Fee	\$5.00	\$15.00
539265	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017417	3	ea	Dell Mobile Precision 5520. Intel Core i7-7820HQ, Win 10 Pro 64, 16gb DDR4, 500gb SATA, 15.6 FHD, 56Whr Battery, 130w Power Adapter, 3yr Absolute , 3yr Warranty, Custom Imaging.	\$1,721.88	\$5,165.64
539265	Broadway Typewriter Company Inc	Central Receiving	2	RQ17017417	3	fee	CA Electronic Waste Recycling Fee	\$6.00	\$18.00
539266	CDW Government, Inc.	Eastlake Middle School	1	RQ17017330	154	ea	HVPX853, Griffin iPad Keyboard Lightning	\$47.80	\$7,361.20

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539267	El Tapatio Restaurant Inc.	Chula Vista Middle School	1	RQ17016816	50	ea	Taste of Italy, Meat Lasagna or Chicken parmesan, angel hair pasta with herb butter, grilled veggies, salad, bread sticks, cookies and sodas	\$10.50	\$525.00
539267	El Tapatio Restaurant Inc.	Chula Vista Middle School	2	RQ17016816	1	ea	Set up fee	\$65.00	\$65.00
539268	El Tapatio Restaurant Inc.	Athletic Support	1	RQ17017332	35	ea	Picnic:Summer Menu:Fiesta Mexican- Drop OffFiesta Mexicana Menu:Main Entree: Carne Asada and Pollo Asado (Pre Grilled)8 oz per guest in combination of both meats.Rice and BeansAccompanied with: Guacamole, Onions, Cilantro, 4 Salsas,Radishes, Green Onions, Chiles Toreados, and Chips.Tortillasall packaged in disposable aluminum trays.Delivery fee will be additional.Fully Disposable ware: Plates, Utensils, Napkins.	\$10.25	\$358.75
539268	El Tapatio Restaurant Inc.	Athletic Support	2	RQ17017332	1	ea	Delivery fee	\$25.00	\$25.00
539269	Creative Company (The)	Bonita Vista Middle School	1	RQ17017562	1	EA	Cutting Edge Energy Technology	\$29.95	\$29.95
539269	Creative Company (The)	Bonita Vista Middle School	2	RQ17017562	1	EA	Cutting Edge Entertainment Technology	\$29.95	\$29.95
539269	Creative Company (The)	Bonita Vista Middle School	3	RQ17017562	1	EA	Cutting Edge Medical Technology	\$29.95	\$29.95
539269	Creative Company (The)	Bonita Vista Middle School	4	RQ17017562	1	EA	Cutting Edge Military Technology	\$29.95	\$29.95
539269	Creative Company (The)	Bonita Vista Middle School	5	RQ17017562	1	EA	Transportation	\$29.95	\$29.95
539269	Creative Company (The)	Bonita Vista Middle School	6	RQ17017562	1	EA	Cutting Edge Internet Technology	\$29.95	\$29.95
539270	Mission Janitorial Supplies	Eastlake High School	1	RQ17017478	8	CS	MISSION BADGER BAGS 40 x 40	\$33.50	\$268.00
539271	SimplexGrinnell LP	Maintenance	1	RQ17017295	1	job	Provide material and labor to repair fire sprinkler system for Castle Park High School.	\$1,750.96	\$1,750.96
539272	SimplexGrinnell LP	Maintenance	1	RQ17016885	1	job	Provide material and labor to repair fire sprinkler system for Montgomery High School.	\$929.66	\$929.66
539273	SimplexGrinnell LP	Maintenance	1	RQ17016883	1	job	Provide material and labor to repair fire sprinkler system for National City Middle School.	\$808.91	\$808.91
539274	SimplexGrinnell LP	Maintenance	1	RQ17016880	1	job	Provide material and labor to repair fire sprinkler system for Chula Vista High School	\$721.28	\$721.28
539275	JW Pepper & Son, Inc.	Mar Vista High School	1	RQ17014611	1	EACH	Harry Potter Highlights Williams, J. String Orch or Full Orch	\$73.00	\$73.00

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539275	JW Pepper & Son, Inc.	Mar Vista High School	2	RQ17014611	1	EACH	Swashbucklers Saga Chris Thomas String Orchestra	\$60.00	\$60.00
539275	JW Pepper & Son, Inc.	Mar Vista High School	3	RQ17014611	3	EACH	Swashbucklers Saga Chris Thomas Additional Score	\$5.00	\$15.00
539275	JW Pepper & Son, Inc.	Mar Vista High School	4	RQ17014611	3	EACH	Stargazer Robert Buckley Additional Score	\$5.00	\$15.00
539275	JW Pepper & Son, Inc.	Mar Vista High School	5	RQ17014611	1	EACH	Stargazer Robert Buckley String Orchestra	\$45.00	\$45.00
539275	JW Pepper & Son, Inc.	Mar Vista High School	6	RQ17014611	3	EACH	KINGSBRIDGE MARCH Dyson Additional Score	\$6.00	\$18.00
539275	JW Pepper & Son, Inc.	Mar Vista High School	7	RQ17014611	1	EACH	Kingsbridge March Dyson, W. String Orchestra	\$40.00	\$40.00
539276	Laminex, Inc.	Montgomery High School	1	RQ17015845	4	ea	FILM - PERMALAM #150 27IN X 500FT	\$32.00	\$128.00
539277	SD Science Education Conference	Professional Development	1	RQ17016631	1	ea	Bobbi Hansen	\$0.00	\$0.00
539277	SD Science Education Conference	Professional Development	2	RQ17016631	1	ea	Odesma Dalrymple	\$0.00	\$0.00
539277	SD Science Education Conference	Professional Development	3	RQ17016631	1	ea	Antonio Gutierrez	\$25.00	\$25.00
539277	SD Science Education Conference	Professional Development	4	RQ17016631	1	ea	Melanie Brown	\$40.00	\$40.00
539277	SD Science Education Conference	Professional Development	5	RQ17016631	1	ea	Adrienne Marriot	\$40.00	\$40.00
539277	SD Science Education Conference	Professional Development	6	RQ17016631	1	ea	Kevin Gillette	\$40.00	\$40.00
539278	B&H Photo	Mar Vista High School	1	RQ17016720	1	EA	Epson sure color T series replacement ink maintenance tank	\$65.00	\$65.00
539278	B&H Photo	Mar Vista High School	2	RQ17016720	1	EA	Epson ultrachrome XD cyan ink cartridge for surecolor T series (110 ml)	\$63.00	\$63.00
539278	B&H Photo	Mar Vista High School	3	RQ17016720	1	EA	Epson ultrachrome XD photo black ink cartridge for surecolor T series (110 ml)	\$63.00	\$63.00
539278	B&H Photo	Mar Vista High School	4	RQ17016720	1	EA	Epson ultrachrome XD yellow ink cartridge for surecolor T series (110 ml)	\$63.00	\$63.00
539278	B&H Photo	Mar Vista High School	5	RQ17016720	1	EA	Epson ultrachrome XD matte black ink cartridge for surecolor T series (110 ml)	\$63.00	\$63.00
539278	B&H Photo	Mar Vista High School	6	RQ17016720	1	EA	Epson ultrachrome XD magenta ink cartridge for surecolor T series (110 ml)	\$63.00	\$63.00
539278	B&H Photo	Mar Vista High School	7	RQ17016720	1	EA	Epson doubleweight matte photo inkjet paper (44' x 82' roll)	\$63.69	\$63.69
539279	CPM Educational Programs	National City Middle School	1	RQ17017155	3	ea	Core Connections Course 2	\$74.00	\$222.00
539279	CPM Educational Programs	National City Middle School	1	RQ17017155	4	ea	Core Connections Course 3	\$74.00	\$296.00

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539280	Grainger, Inc.	Options Secondary School 1		RQ17016532	1		Amplivox Sound Recharagable Megaphone Item # 36CJ42	\$234.90	\$234.90
539280	Grainger, Inc.	Options Secondary School 2		RQ17016532	2		LED 3 Stage Safety Baton Amber with Clear tip Item # 15U925	\$25.12	\$50.24
539280	Grainger, Inc.	Options Secondary School 3		RQ17016532	2		LED 3 Stage Safety Baton Blue with clear tip Item # 15U924	\$25.12	\$50.24
539280	Grainger, Inc.	Options Secondary School 4		RQ17016532	2		LED 3 Stage Safety Baton Red with clear tip Item # 15U923	\$25.12	\$50.24
539280	Grainger, Inc.	Options Secondary School 5		RQ17016532	2		Maglite Industrial 8 hours Item # 36MU54	\$59.08	\$118.16
539281	Grainger, Inc.	Eastlake High School	1	RQ17017158	16	EA	AA STANDARD BATTERY, DURACELL PROCELL, ALKALINE, PK/24	\$5.61	\$89.76
539281	Grainger, Inc.	Eastlake High School	2	RQ17017158	2	EA	AAA STANDARD BATTERY, DURACELL PROCELL, ALKALINE, PK/24	\$5.61	\$11.22
539281	Grainger, Inc.	Eastlake High School	3	RQ17017158	6	EA	9V STANDARD BATTERY, DURACELL PROCELL, ALKALINE, PK/12	\$12.90	\$77.40
539281	Grainger, Inc.	Eastlake High School	4	RQ17017158	1	EA	ALUMINUM MULTIPURPOSE LADDER, 11FT. EXTENDED LADDER HEIGHT, 300 LB. LOAD CAPACITY	\$138.13	\$138.13
539281	Grainger, Inc.	Eastlake High School	5	RQ17017158	6	EA	FLAT CROWN STAPLES, 3/8 x 1/4, PK5000	\$2.54	\$15.24
539281	Grainger, Inc.	Eastlake High School	6	RQ17017158	8	EA	PAINTERS MASKING TAPE, 60 YD. 1', blue, 5.70 MIL	\$6.53	\$52.24
539281	Grainger, Inc.	Eastlake High School	7	RQ17017158	4	EA	2' x 60 YD. DUCT TAPE, BLACK	\$21.49	\$85.96
539281	Grainger, Inc.	Eastlake High School	8	RQ17017158	1	EA	STAPLER, 3/8 IN., PK18000	\$26.03	\$26.03
539281	Grainger, Inc.	Eastlake High School	9	RQ17017158	1	EA	STAPLE, 18 GA, 1 3/8 IN, PK3000	\$34.76	\$34.76
539282	Mayesh Wholesale Florist, Inc.	San Ysidro Adult School	1	RQ17017164	1	LOT	Flowers and supplies for Floral class to be purchased by Nancy Castaneda no later than June, 1, 2017.	\$5,000.00	\$5,000.00
539283	Smart & Final Stores Corporation	Hilltop Middle School	1	RQ17017732	1	lot	Purchase of Healthy snacks and water for After School Program. Authorized Purchaser: Dora Cruz no later than May 31, 2017	\$300.00	\$300.00
539284	Brustein & Manasevit PLLC	State & Federal Programs	1	RQ17017515	15	ea	Administrators Handbook on EDGAR, 3rd ed	\$35.00	\$525.00
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	1	RQ17016923	1	EA	500 Drawing Prompts	\$7.98	\$7.98
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	2	RQ17016923	1	EA	Amistad	\$9.99	\$9.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	3	RQ17016923	1	EA	Ant-Man	\$29.99	\$29.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	4	RQ17016923	1	EA	Apples to Apples Party Tin	\$23.96	\$23.96

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539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	5	RQ17016923	1	EA	Art of Rock Painting	\$6.36	\$6.36
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	6	RQ17016923	1	EA	Big Book of Whimsical Woodland Creatures	\$7.18	\$7.18
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	7	RQ17016923	1	EA	Big Hero 6	\$29.99	\$29.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	8	RQ17016923	1	EA	Blind Side	\$5.99	\$5.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	9	RQ17016923	1	EA	Bug's Life	\$19.99	\$19.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	10	RQ17016923	1	EA	Bury My Heart At Wounded Knee	\$9.99	\$9.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	11	RQ17016923	1	EA	Camp Rock	\$9.99	\$9.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	12	RQ17016923	1	EA	Cinderella	\$29.99	\$29.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	13	RQ17016923	1	EA	Classic Sorry	\$15.96	\$15.96
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	14	RQ17016923	1	EA	Cold Mountain	\$9.99	\$9.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	15	RQ17016923	1	EA	Disney's Karaoke Series Disney Princess Music Box	\$11.99	\$11.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	16	RQ17016923	1	EA	Doctor Strange	\$29.99	\$29.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	17	RQ17016923	1	EA	Fantastic Beasts And Where To Find Them	\$28.99	\$28.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	18	RQ17016923	1	EA	Gallipoli	\$5.99	\$5.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	19	RQ17016923	1	EA	Game Of Life Original	\$21.56	\$21.56
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	20	RQ17016923	1	EA	Goosebumps	\$14.99	\$14.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	21	RQ17016923	1	EA	HIDDEN FIGURES (GWP W/BOOK DHD)	\$29.99	\$29.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	22	RQ17016923	1	EA	Inside Out	\$29.99	\$29.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	23	RQ17016923	1	EA	Iron Jawed Angels	\$9.99	\$9.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	24	RQ17016923	1	EA	Jenga (2013)	\$13.56	\$13.56
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	25	RQ17016923	1	EA	LaLa Land	\$29.99	\$29.99

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539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	26	RQ17016923	2	EA	Last Of The Mohicans	\$9.99	\$19.98
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	27	RQ17016923	1	EA	Lee Daniels' The Butler	\$14.99	\$14.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	28	RQ17016923	1	EA	Maleficent	\$19.99	\$19.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	29	RQ17016923	1	EA	Miss Peregrine's Home For Peculiar Children	\$29.99	\$29.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	30	RQ17016923	2	EA	Moana	\$29.99	\$59.98
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	31	RQ17016923	1	EA	Monopoly Classic	\$19.96	\$19.96
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	32	RQ17016923	1	EA	Monopoly Empire 2016	\$15.96	\$15.96
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	33	RQ17016923	1	EA	Patton	\$14.99	\$14.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	34	RQ17016923	1	EA	Princess And The Frog	\$19.99	\$19.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	35	RQ17016923	1	EA	Red Tails	\$14.99	\$14.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	36	RQ17016923	1	EA	Rogue One: A Star Wars Story	\$29.99	\$29.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	37	RQ17016923	1	EA	Scattergories	\$13.56	\$13.56
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	38	RQ17016923	1	EA	Schoolhouse Rock Special 30th Anniversary Edition	\$14.99	\$14.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	39	RQ17016923	1	EA	Secrets of Fashion Drawing	\$6.38	\$6.38
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	40	RQ17016923	1	EA	Sing	\$29.99	\$29.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	41	RQ17016923	1	EA	Tron: Legacy	\$14.99	\$14.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	42	RQ17016923	1	EA	Warm Bodies	\$9.99	\$9.99
539285	Barnes & Noble Booksellers, USA Inc.	Olympian High School	43	RQ17016923	1	LOT	QUOTE #: 526329	\$0.00	\$0.00
539286	Barnes & Noble Booksellers, USA Inc.	Sweetwater High School	1	RQ17015962	1	ea	ISBN: 9780979612862 - Gramatica del Ingles: Paso a paso 1 (Spanish Edition) by Elizabeth Weal	\$11.16	\$11.16
539286	Barnes & Noble Booksellers, USA Inc.	Sweetwater High School	2	RQ17015962	1	ea	ISBN: 9780979612886 - Gramatica del Ingles: Paso a paso 2 (Spanish Edition) by Elizabeth Weal	\$11.16	\$11.16

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539286	Barnes & Noble Booksellers, USA Inc.	Sweetwater High School	3	RQ17015962	1	ea	ISBN: 9780979612879 - English Grammar: Step by Step Book 1 by Elizabeth Weal	\$11.16	\$11.16
539286	Barnes & Noble Booksellers, USA Inc.	Sweetwater High School	4	RQ17015962	1	ea	ISBN: 9780979612893 - English Grammar: Step by Step Book 2 by Elizabeth Weal	\$11.16	\$11.16
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	1	RQ17015602	3	EA	Thirteen Reasons Why by Jay Asher (paperback)	\$8.79	\$26.37
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	2	RQ17015602	2	EA	Por Trece Razones by Jay Asher (paperback)	\$14.39	\$28.78
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	3	RQ17015602	1	EA	King's Cage (Red Queen Series #3) (hardcover)	\$15.99	\$15.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	4	RQ17015602	1	EA	The Hate U Give by Angie Thomas (hardcover)	\$14.39	\$14.39
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	5	RQ17015602	1	EA	Allegedly by Tiffany D. Jackson (hardcover)	\$14.39	\$14.39
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	6	RQ17015602	1	EA	Gone (Gone Series #1) by Michael Grant (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	7	RQ17015602	1	EA	Hunger (Gone Series #2) by Michael Grant (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	8	RQ17015602	1	EA	Lies (Gone Series #3) by Michael Grant (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	9	RQ17015602	1	EA	Plague (Gone Series #4) by Michael Grant (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	10	RQ17015602	1	EA	The Death Cure (Maze Runner Series #3) by James Dashner (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	11	RQ17015602	1	EA	Sinner by Maggie Stiefvater (paperback)	\$8.79	\$8.79
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	12	RQ17015602	1	EA	The Silence of the Lambs (Hannibal Lecter Series #2) by Thomas Harris (paperback)	\$7.19	\$7.19
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	13	RQ17015602	1	EA	Hannibal (Hannibal Lecter Series #3) by Thomas Harris (paperback)	\$6.39	\$6.39
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	14	RQ17015602	1	EA	Red Dragon (Hannibal Lecter Series #1) by Thomas Harris (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	15	RQ17015602	1	EA	Vampire Knight, Volume 1 by Matsuri Hino (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	16	RQ17015602	1	EA	Vampire Knight, Volume 2 by Matsuri Hino (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	17	RQ17015602	1	EA	Vampire Knight, Volume 3 by Matsuri Hino (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	18	RQ17015602	1	EA	Vampire Knight, Volume 4 by Matsuri Hino (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	19	RQ17015602	1	EA	Vampire Knight, Volume 5 by Matsuri Hino (paperback)	\$7.99	\$7.99

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539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	20	RQ17015602	1	EA	Vampire Knight, Volume 6 by Matsuri Hino (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	21	RQ17015602	1	EA	Vampire Knight, Volume 7 by Matsuri Hino (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	22	RQ17015602	1	EA	Vampire Knight, Volume 8 by Matsuri Hino (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	23	RQ17015602	1	EA	Vampire Knight, Volume 9 by Matsuri Hino (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	24	RQ17015602	1	EA	Vampire Knight, Volume 10 by Matsuri Hino (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	25	RQ17015602	1	EA	Flygirl by Sherri L. Smith (Paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	26	RQ17015602	1	EA	The Skin I'm In by Sharon Flake, Tk (paperback)	\$7.19	\$7.19
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	27	RQ17015602	1	EA	Copper Sun by Sharon M. Draper (paperback)	\$8.79	\$8.79
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	28	RQ17015602	1	EA	The Last Star by Rick Yancey (Fifth Wave Series #3) (hardcover)	\$15.19	\$15.19
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	29	RQ17015602	1	EA	I Wrote This for You by pleasefindthis, Jon Ellis (Photographer), Iain S. Thomas	\$15.16	\$15.16
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	30	RQ17015602	1	EA	Art in America 1945-1970: Writings from the Age of Abstract Expressionism, Pop Art, and Minimalism (Library of America) by Jed Perl (hardcover)	\$32.00	\$32.00
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	31	RQ17015602	1	EA	Impressionism: Odysseys in Art by Jessica Gunderson (hardcover)	\$34.24	\$34.24
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	32	RQ17015602	1	EA	Impressionism by Peggy J. Parks (hardcover library binding)	\$39.40	\$39.40
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	33	RQ17015602	1	EA	Impressionism by Kris Hirschmann (hardcover)	\$23.16	\$23.16
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	34	RQ17015602	1	EA	Shatter Me by Tahereh Mafi (Shatter Me Series #1) (Library Binding Edition)	\$16.68	\$16.68
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	35	RQ17015602	1	EA	Dead Is So Last Year (Dead Is Series #3) by Marlene Perez (Library Binding Edition)	\$14.72	\$14.72
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	36	RQ17015602	1	EA	Dead Is a State of Mind by Marlene Perez (Dead Is Series #2) (paperback)	\$6.39	\$6.39
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	37	RQ17015602	1	EA	Dead Is the New Black by Marlene Perez (Dead Is Series #1) (paperback)	\$6.39	\$6.39
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	38	RQ17015602	1	EA	None of the Above by I. W. Gregorio (hardcover)	\$14.39	\$14.39
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	39	RQ17015602	1	EA	P.S. I Still Love You (Series #2) by (Jenny Han)	\$8.79	\$8.79

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539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	40	RQ17015602	1	EA	Tell Me Again How a Crush Should Feel by Sara Farizan (hardcover)	\$13.56	\$13.56
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	41	RQ17015602	1	EA	Because You'll Never Meet Me (hardcover)	\$14.39	\$14.39
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	42	RQ17015602	1	EA	Cut Both Ways by Carrie Mesrobian (hardcover)	\$14.39	\$14.39
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	43	RQ17015602	1	EA	Show and Prove by Sofia Quintero (hardcover)	\$14.39	\$14.39
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	44	RQ17015602	1	EA	Black Dove, White Raven by Elizabeth Wein (paperback)	\$7.99	\$7.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	45	RQ17015602	1	EA	Rad American Women A-Z: Rebels, Trailblazers, and Visionaries who Shaped Our History . . . and Our Future! by by Kate Schatz, Miriam Klein Stahl (Illustrator) (hardcover)	\$11.96	\$11.96
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	46	RQ17015602	1	EA	Rad Women Worldwide: Artists and Athletes, Pirates and Punks, and Other Revolutionaries Who Shaped History by Kate Schatz, Miriam Klein Stahl (Illustrator) (hardcover)	\$12.79	\$12.79
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	47	RQ17015602	1	EA	If I Ever Get Out of Here by Eric Gansworth (hardcover)	\$14.39	\$14.39
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	48	RQ17015602	1	EA	More Than This by Patrick Ness (hardcover)	\$15.99	\$15.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	49	RQ17015602	1	EA	Everything Leads to You by Nina LaCour (paperback)	\$8.79	\$8.79
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	50	RQ17015602	1	EA	Ash by Malinda Lo (paperback)	\$8.79	\$8.79
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	51	RQ17015602	1	EA	I Have OCD. Now What? by Carla Mooney (hardcover)	\$35.60	\$35.60
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	52	RQ17015602	1	EA	Obsessed: A Memoir of My Life with OCD by Allison Britz (hardcover)	\$14.39	\$14.39
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	53	RQ17015602	1	EA	Being Me with OCD: How I Learned to Obsess Less and Live My Life by Alison Dotson (paperback)	\$11.99	\$11.99
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	54	RQ17015602	1	EA	Tourette Syndrome by M. Foster Olive, Christine Collins, Research Assistant Professor of Psychology Staff, Pat Levitt (Foreword by), Vanderbilt Kennedy Center for Research on Human Development Staff (hardcover)	\$37.50	\$37.50
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	55	RQ17015602	1	EA	Tourette Syndrome by Marlene Targ Brill (hardcover library binding)	\$27.68	\$27.68

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539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	56	RQ17015602	1	EA	Personality Disorder by Lydia Bjornlund (hardcover library binding)	\$23.16	\$23.16
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	57	RQ17015602	1	EA	Schizophrenia by Jacqueline Langwith, Gale Editors (Editor) (hardcover)	\$44.30	\$44.30
539287	Barnes & Noble Booksellers, USA Inc.	Mar Vista High School	58	RQ17015602	1	EA	Scared Stiff: Everything You Need to Know About 50 Famous Phobias (paperback) by Sara Latta, G.E. Gallas (Illustrator)	\$10.39	\$10.39
539288	Apple Computer Inc.	Central Receiving	1	RQ17017818	20	ea	IPad Wi-Fi 32GB - Space gray (10-pack) with 3 year apple care+	\$393.00	\$7,860.00
539288	Apple Computer Inc.	Central Receiving	2	RQ17017818	5	ea	IPad Wi-Fi 32GB - Space Gray	\$299.00	\$1,495.00
539288	Apple Computer Inc.	Central Receiving	3	RQ17017818	5	ea	3 Year AppleCare+ for iPad	\$99.00	\$495.00
539288	Apple Computer Inc.	Central Receiving	4	RQ17017818	25	ea	Computrace MRM Premium for iPad (Academic) 3 Year Subscription 1-999 Seats (per seat)	\$79.95	\$1,998.75
539288	Apple Computer Inc.	Central Receiving	5	RQ17017818	1	ea	eWaste fee/Recycling Fee	\$125.00	\$125.00
539289	Barnes & Noble Booksellers, USA Inc.	Otay Ranch HS	1	RQ17017591	35	EA	Cinematography: Theory and Practice, Image Making for Cinematographers and Directors	\$47.96	\$1,678.60
539290	Anytime Sign Solutions Inc.	Athletic Support	1	RQ17017336	4	ea	24' X36 Digital print banners 2017 Metro Conference	\$36.00	\$144.00
539291	Textbook Warehouse	Granger Junior High School	1	RQ17017268	1	ea	Isbn end #: 40128 (NEW)Taller 2nd Ed Student Edition	\$187.50	\$187.50
539291	Textbook Warehouse	Granger Junior High School	2	RQ17017268	3	ea	Isbn end #: 71005 (USED)Taller de Escritores: Grammar	\$36.00	\$108.00
539291	Textbook Warehouse	Granger Junior High School	3	RQ17017268	1	ea	Isbn end #:15987 (USED)Encuentros Maravillosos Teacher answer key for tests	\$50.00	\$50.00
539291	Textbook Warehouse	Granger Junior High School	4	RQ17017268	2	ea	Isbn end #: 15963 (NEW) Encuentros Maravillosos / Spiral bound	\$61.70	\$123.40
539291	Textbook Warehouse	Granger Junior High School	5	RQ17017268	2	ea	Isbn end #: 78569 (USED)REVISTA (Conversacion Sin Bar 3rd Ed.	\$40.00	\$80.00
539291	Textbook Warehouse	Granger Junior High School	6	RQ17017268	1	ea	Isbn end #: 163584 (USED)Sendas Literarias Lvl 2TE	\$15.00	\$15.00
539291	Textbook Warehouse	Granger Junior High School	7	RQ17017268	1	ea	Isbn end #: 70772 (USED) Revista Instrs. Annot. Ed.	\$55.00	\$55.00
539292	Pearson Education, Inc.	CTE (formerly ROP)	1	RQ17017482	30	Ea	Emerg Medical Responder, LeBaudour	\$98.10	\$2,943.00
539292	Pearson Education, Inc.	CTE (formerly ROP)	2	RQ17017482	1	ea	Shipping	\$235.44	\$235.44
539293	Line-X San Diego	CTE (formerly ROP)	1	RQ17017708	1	ea	Accessories-2005 Chevy van side steps 6' running board	\$650.00	\$650.00
539293	Line-X San Diego	CTE (formerly ROP)	2	RQ17017708	1	lot	Install side steps	\$150.00	\$150.00

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539294	Safeway Inc.	Palomar High School	1	RQ17016730	1	Lot	Purchase of healthy food, drinks and utensils for the Evening of the Arts Event on May 11, 2017.	\$150.00	\$150.00
539295	Barnes & Noble Booksellers, USA Inc.	CTE (formerly ROP)	1	RQ17017650	70	ea	7 Habits of Highly Effective Teens	\$13.59	\$951.30
539295	Barnes & Noble Booksellers, USA Inc.	CTE (formerly ROP)	2	RQ17017650	70	ea	Life Strategies for Teens	\$12.79	\$895.30
539295	Barnes & Noble Booksellers, USA Inc.	CTE (formerly ROP)	3	RQ17017650	70	ea	Success Principles for Teens: How to get from Where You are to where you want to be	\$15.99	\$1,119.30
539296	Follett School Solutions, Central Receiving Inc.		1	RQ17017130	1	EA	3D Printer, DaVinci 1.0 Pro 3-in-1	\$899.95	\$899.95
539296	Follett School Solutions, Central Receiving Inc.		2	RQ17017130	1	EA	XYZ DaVinci Filament PLA Black	\$28.00	\$28.00
539296	Follett School Solutions, Central Receiving Inc.		3	RQ17017130	1	EA	XYZ Filament ABS Neon Magenta	\$28.00	\$28.00
539297	Accrediting Commission Alta Vista Academy for Schools (WASC)		1	RQ17017876	1	ea	WASC Self-Inking Stamp	\$30.00	\$30.00
539297	Accrediting Commission Alta Vista Academy for Schools (WASC)		2	RQ17017876	1	ea	Desk Embosser with brass die and bakelite counter.	\$65.00	\$65.00
539298	Accrediting Commission Alta Vista Academy for Schools (WASC)		1	RQ17017843	1	ea	ACS WASC 2X3' Vinyl Banner	\$40.00	\$40.00
539299	Myers-Stevens & Toohey & Co, Inc	Castle Park High School	1	RQ17017468	1	Lot	Short term accident insurance coverage. 25 participants x 1 calendar day x \$1.75 = \$43.75 Premium Due.	\$43.75	\$43.75
539299	Myers-Stevens & Toohey & Co, Inc	Castle Park High School	2	RQ17017468	1	Lot	Field trip: UCSD, Date: May 20, 2017	\$0.00	\$0.00
539300	Project Lead The Way, Inc.	Mar Vista High School	1	RQ17016910	2	EA	VERNIER EDD VERNIER BUNDLE	\$257.00	\$514.00
539301	Hidden Valley Investments, Inc	Maintenance	1	RQ17017364	1	ea	Vehicle, new 2017 silverado 2500 regular cab chassis 6.0l v8 gas engine, 6-speed automatic transmission my link audio with 7' colortouch screen & bluetooth camper syle mirrors, spare wheel & tire	\$26,174.76	\$26,174.76
539301	Hidden Valley Investments, Inc	Maintenance	2	RQ17017364	1	lot	harbor 8' utility body with flip open tops material rack and hd receiver hitch & plug, No roll-up enclosure	\$6,274.00	\$6,274.00
539301	Hidden Valley Investments, Inc	Maintenance	3	RQ17017364	1	ea	Doc fee	\$80.00	\$80.00
539301	Hidden Valley Investments, Inc	Maintenance	4	RQ17017364	1	ea	Estimated license & registration	\$37.75	\$37.75
539302	Paton Miller LLC	Montgomery High School	1	RQ17016255	2	ea	MakerBot - 10-pack - true red, true blue, true white,	\$430.00	\$860.00

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539302	Paton Miller LLC	Montgomery High School	2	RQ17016255	8	ea	MakerBot Build Plate Tape - 10-pack - build plate	\$9.99	\$79.92
539302	Paton Miller LLC	Montgomery High School	3	RQ17016255	2	ea	Build Plate for the MakerBot Replicator	\$80.00	\$160.00
539302	Paton Miller LLC	Montgomery High School	4	RQ17016255	2	ea	Desktop 3D Printer		
539302	Paton Miller LLC	Montgomery High School	4	RQ17016255	2	ea	MakerBot Smart Extruder+ (Replicator & Replicator Mini)	\$199.00	\$398.00
539303	Pearson Education, Inc.	Otay Ranch HS	1	RQ17016361	120	ea	Campbell biology nasta edition prepare bio ap exam, 10th ed	\$14.97	\$1,796.40
539304	Prime Sports Sales & Design	Castle Park High School	1	RQ17016917	20	ea	Adidas 2016 Champions League Finale Ball (size 5) (orange)	\$12.00	\$240.00
539304	Prime Sports Sales & Design	Castle Park High School	2	RQ17016917	2	ea	Adidas Ace Replique Keeper Gloves	\$22.50	\$45.00
539305	Cheng & Tsui Co.	Eastlake High School	1	RQ17016734	32	ea	ADVENTURES IN JAPANESE 2 TEXTBOOK (\$83.99)	\$83.99	\$2,687.68
539305	Cheng & Tsui Co.	Eastlake High School	2	RQ17016734	32	ea	ADVENTURES IN JAPANESE 2 (\$34.99)	\$34.99	\$1,119.68
539305	Cheng & Tsui Co.	Eastlake High School	3	RQ17016734	24	ea	ADVENTURES IN JAPANESE 3 TEXTBOOK (\$89.99)	\$89.99	\$2,159.76
539305	Cheng & Tsui Co.	Eastlake High School	4	RQ17016734	24	ea	ADVENTURES IN JAPANESE 3 WORKBOOK (\$39.99)	\$39.99	\$959.76
539306	Prime Sports Sales & Design	Castle Park High School	1	RQ17017743	5	ea	Tachikara Sensi- Tec Micro-Fiber Composite Leather Volleyball-Multi Colored- Scarlet/White/Black	\$31.50	\$157.50
539307	Copy Link, Inc.	Payroll	1	RQ17017947	1	each	Service call and repair needed	\$93.92	\$93.92
539308	Prime Sports Sales & Design	Athletic Support	1	RQ17017749	2	ea	Adidas Climalite Modern Varsity long Burgundy/White	\$36.00	\$72.00
539308	Prime Sports Sales & Design	Athletic Support	2	RQ17017749	1	ea	Adidad Climalite Modern Varsity Short ONIX	\$33.00	\$33.00
539308	Prime Sports Sales & Design	Athletic Support	3	RQ17017749	3	ea	Embroidery Charge standard logo -SUH	\$8.00	\$24.00
539309	Prime Sports Sales & Design	Castle Park High School	1	RQ17017777	5		Spalding TF-1000 NFHS Classic ZK Men's Basketball; 29.5'	\$50.95	\$254.75
539309	Prime Sports Sales & Design	Castle Park High School	2	RQ17017777	5		Spalding TF- 1000 NFHS Classic ZK Women's Basketball; 28.5'	\$50.95	\$254.75
539309	Prime Sports Sales & Design	Castle Park High School	3	RQ17017777	1		Adidas Ball Pump	\$7.20	\$7.20
539309	Prime Sports Sales & Design	Castle Park High School	4	RQ17017777	1		Adidas Preassure Gauge	\$9.00	\$9.00
539310	CPM Educational Programs	Eastlake High School	1	RQ17017737	50	ea	PC w/Trig 2nd Ed SB Vol 1 (\$45)	\$45.00	\$2,250.00
539311	Grand Pacific Charter	Southwest Middle School	1	RQ17002629	1	Lot	Provide RoundTrip Charter Bus service to Qualcomm Headquarters on Thursday, May 18, 2017	\$580.00	\$580.00

Purchase Order Listing Detail

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539312	Tree House, Inc. (The)	Hilltop High School	1	RQ17017361	2	ea	HP 05X, Black Toner Cartridge CE505X	\$15.50	\$31.00
539312	Tree House, Inc. (The)	Hilltop High School	2	RQ17017361	2	ea	HP 26 A, Black Toner Cartridge CF226A	\$41.00	\$82.00
539313	Rasix Computer Center, Inc.	Granger Junior High School	1	RQ17016669	1	EA	HP LASERJET:1160, 1320, 3390, 3392/Black Noire/Print Cartridge 49A	\$74.00	\$74.00
539313	Rasix Computer Center, Inc.	Granger Junior High School	2	RQ17016669	2	EA	HP 05A Black toner cartridge for HP LaserJet P2035 and 2055 series printers.	\$66.00	\$132.00
539313	Rasix Computer Center, Inc.	Granger Junior High School	3	RQ17016669	1	EA	HP 64A Black toner certridge for P4014, P4015, P4515	\$125.00	\$125.00
539313	Rasix Computer Center, Inc.	Granger Junior High School	4	RQ17016669	1	EA	Black High-Capacity Toner Certridge for Xerox WorkCenter 6605. (Non Bid pricing per Jeffrey Kozma)	\$164.89	\$164.89
539313	Rasix Computer Center, Inc.	Granger Junior High School	5	RQ17016669	1	ea	National City Sales Tax Adjustment 8.75%	\$2.15	\$2.15
539314	Rasix Computer Center, Inc.	Castle Park High School	1	RQ17016697	1	EA	HP 131A Yellow printer cartridge	\$59.00	\$59.00
539315	Rasix Computer Center, Inc.	Professional Development	1	RQ17017896	1	ea	hp 508x high yield black toner	\$148.00	\$148.00
539315	Rasix Computer Center, Inc.	Professional Development	2	RQ17017896	1	ea	HP 508X high yield cyan toner	\$205.00	\$205.00
539315	Rasix Computer Center, Inc.	Professional Development	3	RQ17017896	1	ea	HP 508X high yield yellow toner	\$205.00	\$205.00
539315	Rasix Computer Center, Inc.	Professional Development	4	RQ17017896	1	ea	HP 508X high yield magenta toner	\$205.00	\$205.00
539316	Rasix Computer Center, Inc.	CTE (formerly ROP)	1	RQ17017398	2	ea	Black Toner	\$66.00	\$132.00
539316	Rasix Computer Center, Inc.	CTE (formerly ROP)	2	RQ17017398	1	ea	Black toner	\$82.00	\$82.00
539317	Psychological Assessment Resources, Inc.	Special Services	1	RQ17017441	4	ea	FAM Comprehensive Kit	\$478.00	\$1,912.00
539317	Psychological Assessment Resources, Inc.	Special Services	2	RQ17017441	2	ea	RCFT Introductory Kit	\$344.00	\$688.00
539318	Lone Star Learning Sales & Marketing, Inc.	Southwest Middle School	1	RQ17017219	4	ea	PK-MV68, Bundle and Save! Middle School Math Vocabulary Pack, Print Item (MV68-1, MV68-2, MB)	\$108.00	\$432.00
539318	Lone Star Learning Sales & Marketing, Inc.	Southwest Middle School	3	RQ17017219	4	lot	DQ7, Target the Question, Digital Edition Grade 7; 12 Month Subscription	\$69.99	\$279.96
539318	Lone Star Learning Sales & Marketing, Inc.	Southwest Middle School	4	RQ17017219	1	.	Send License to Ray Tornero, raymond.tornero@sweetwaterschools.org	\$0.00	\$0.00

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539319	Paper Direct, Inc.	Castle Park Middle School 1		RQ17017918	4	EA	CLASSIC PARCHMENT SPECIALTY CERTIFICATES; DESKTOP PRINTABLE GOLD ON WHITE 50/BOX	\$31.99	\$127.96
539319	Paper Direct, Inc.	Castle Park Middle School 2		RQ17017918	4	EA	SHOOTING STAR SPECIALTY CERTIFICATES; DESKTOP PRINTABLE WHITE WITH WINE FOIL 50/BOX	\$33.99	\$135.96
539319	Paper Direct, Inc.	Castle Park Middle School 3		RQ17017918	3	EA	SHOOTING STAR SPECIALTY CERTIFICATES; DESKTOP PRINTABLE CREAM WITH GOLD FOIL 50/BOX	\$31.99	\$95.97
539320	Kelly Paper Co.	Student Support Services	1	RQ17017845	6	EA	8.5 x 11.65LB COVER SKYTONE NEW BLUESTONE, 250 SHEETS PER PACK	\$27.20	\$163.20
539321	San Diego State University Foundation	Granger Junior High School	1	RQ17017416	1	Ea	PLTW DM Summer Training Registration Fee for ADAN ESCOBEDO, July 10-14, 2017	\$1,550.00	\$1,550.00
539322	ABDO Publishing	Granger Junior High School	1	RQ17017681	1	113.70	Pro Wrestling's Greatest-set of 6	\$113.70	\$113.70
539322	ABDO Publishing	Granger Junior High School	2	RQ17017681	1	22.95	Make me the Best Baseball Player: Make Me the Best Athlete	\$22.95	\$22.95
539322	ABDO Publishing	Granger Junior High School	3	RQ17017681	1	22.95	Make me the Best Basketball Player: Make Me the Best Athlete	\$22.95	\$22.95
539322	ABDO Publishing	Granger Junior High School	4	RQ17017681	1	22.95	Make me the Best Football Player: Make Me the Best Athlete	\$22.95	\$22.95
539322	ABDO Publishing	Granger Junior High School	5	RQ17017681	1	22.95	Make me the Best Soccer Player: Make Me the Best Athlete	\$22.95	\$22.95
539322	ABDO Publishing	Granger Junior High School	6	RQ17017681	1	\$113.70	Baseball's Greatest Stars	\$113.70	\$113.70
539322	ABDO Publishing	Granger Junior High School	7	RQ17017681	1	\$113.70	Football's Greatest Stars	\$113.70	\$113.70
539322	ABDO Publishing	Granger Junior High School	8	RQ17017681	1	\$113.70	Basketball's Greatest Stars	\$113.70	\$113.70
539322	ABDO Publishing	Granger Junior High School	9	RQ17017681	1	18.95	Playmakers Set 5-Lionel Messi: Soccer Senstaion	\$18.95	\$18.95
539322	ABDO Publishing	Granger Junior High School	10	RQ17017681	1	18.95	Playmakers Set 5-Maya Moore: WNBA Champion	\$18.95	\$18.95
539322	ABDO Publishing	Granger Junior High School	11	RQ17017681	1	18.95	Playmakers Set 5-Cristiano Ronaldo: International Soccer Star	\$18.95	\$18.95
539322	ABDO Publishing	Granger Junior High School	12	RQ17017681	1	75.80	Ghost Detectors Set 4	\$75.80	\$75.80
539322	ABDO Publishing	Granger Junior High School	13	RQ17017681	1	78.80	Ghost Detectors Set 3	\$75.80	\$75.80
539322	ABDO Publishing	Granger Junior High School	14	RQ17017681	1	101.70	You're Invited to a Creepover	\$101.70	\$101.70
539322	ABDO Publishing	Granger Junior High School	15	RQ17017681	1	75.80	Monster Hunters Set 2	\$75.80	\$75.80
539322	ABDO Publishing	Granger Junior High School	16	RQ17017681	1	113.70	Graveyard Diaries	\$113.70	\$113.70
539322	ABDO Publishing	Granger Junior High School	17	RQ17017681	1	19.95	Book 1: Hideout; DEMON SLAYER	\$19.95	\$19.95
539322	ABDO Publishing	Granger Junior High School	18	RQ17017681	1	19.95	Book 2: Graveyard Dirt: DEMON SLAYER	\$19.95	\$19.95

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539322	ABDO Publishing	Granger Junior High School	9	RQ17017681	1	19.95	Book 3: The Locket:: DEMON SLAYER	\$19.95	\$19.95
539322	ABDO Publishing	Granger Junior High School	20	RQ17017681	1	79.80	Haunted SETOF 4	\$79.80	\$79.80
539322	ABDO Publishing	Granger Junior High School	21	RQ17017681	1	79.80	Mars Bound: SET OF 4	\$79.80	\$79.80
539322	ABDO Publishing	Granger Junior High School	22	RQ17017681	1	16.95	Star Wars: Vader Down	\$16.95	\$16.95
539322	ABDO Publishing	Granger Junior High School	23	RQ17017681	1	16.95	Star Wars: Vader Down	\$16.95	\$16.95
539322	ABDO Publishing	Granger Junior High School	24	RQ17017681	1	16.95	Star Wars: Vader Down	\$16.95	\$16.95
539322	ABDO Publishing	Granger Junior High School	25	RQ17017681	1	-25.00	*****\$25.00 COUPON OFF ORDER	-\$25.00	-\$25.00
539323	Avid Center	CTE (formerly ROP)	2	RQ17016456	1	ea	Early Bird Registration For Admin. REG IDs: 498360 (WL)-MariaEsther Lizarraga	\$760.00	\$760.00
539324	San Diego County Superintendent of Schools	Granger Junior High School	1	RQ17016380	1	ea	Registration for Karen Thompson (Confirmation Number tho-7xhrdl) to attend.EVENT: The Resilient Mindful Learner Project-Stress Management for Educators Serving Youth.DATE:Ju 29, 2017-Jun 30,2017.TIME:9:00AM-4:00PM.FACILITA TOR:Mara Madrigal-WeissPARTNERS:L.A Vezzuto, PhD & AssociatesINCLUDED:Breadfast, lunch and materialsLOCATION:South County Regional Education Center(SCREC)CONTACT:Amanda Holt amanda.holt@sdcpe-netP:(858)292-3666	\$105.00	\$105.00
539325	Regents of the University of California	CTE (formerly ROP)	1	RQ17015930	1	ea	Registration fee for Training for Integrated Math with Computing and Robotics Taining	\$750.00	\$750.00
539326	Lego Education	Montgomery Middle School	1	RQ17017288	3	ea	5003400, EV3 Core Set w/Charger	\$389.95	\$1,169.85
539326	Lego Education	Montgomery Middle School	1	RQ17017288	2	ea	Simple and Powered Machines Set	\$169.95	\$339.90
539326	Lego Education	Montgomery Middle School	1	RQ17017288	1	ea	Renewable Energy Add-on Set	\$115.95	\$115.95
539327	Insight Public Sector, Inc.	Eastlake Middle School	1	RQ17017114	1	ea	300755373, ADD-IN EXPRESS ABLEBITS.COM ULTIMATE SUITE, FOR MICROSOFT EXCEL,OPEN MARKET	\$114.22	\$114.22
539327	Insight Public Sector, Inc.	Eastlake Middle School	2	RQ17017114	1	.	Electronic Delivery to: Courtney Quinn, courtney.quinn@aweeatwaterschools.org	\$0.00	\$0.00
539328	Legacy Graphics LLC	CTE (formerly ROP)	1	RQ17017694	1	Ea	3 x 8 Digital Printed Vinyl Banner	\$80.00	\$80.00
539328	Legacy Graphics LLC	CTE (formerly ROP)	2	RQ17017694	2	Ea	16' x 11' Digital Printed Vinyl Banner with retractable for desktop	\$35.00	\$70.00
539329	NCS Pearson, Inc.	Adult CTE	1	RQ17016327	1	ea	CISCO 100-XXX AND 200-105 ICND EXAMS	\$165.00	\$165.00

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539330	Broadway Typewriter Company Inc	Central Receiving	1	RQ17016985	1	ea	LENOVO P51 Quadro Workstation, Win 10 Pro 64, Intel i7, 16gb DDR\$, 256gb SSD, 15.6 display, 90Whr Battery, 170W adapter, 3yr warranty, Custom Imaging Absolute DDS Mobile Premium	\$1,991.00	\$1,991.00
539330	Broadway Typewriter Company Inc	Central Receiving	2	RQ17016985	1	ea		\$56.00	\$56.00
539330	Broadway Typewriter Company Inc	Central Receiving	3	RQ17016985	1	ea	CA Electronic Recycly Fee	\$6.00	\$6.00
539331	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017653	1	ea	OptiPlex 7040 small form factor, Win 10 Pro 64, Intel i7, 16gb DDR4, 500gb HD, DVD, Keyboard, Mouse, 22" Monitor, 3yr Computrace, 3yr Warranty, Custom Imaging	\$1,054.50	\$1,054.50
539331	Broadway Typewriter Company Inc	Central Receiving	2	RQ17017653	1	ea	CA Electronic Waste Recycling Fee-Non taxable	\$6.00	\$6.00
539332	AP by the Sea	Montgomery High School	1	RQ17016705	1	ea	Registration for TALA KOSA to attend AP by the Sea on 07/10 - 7/13 in San Diego, CA	\$750.00	\$750.00
539333	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017757	1	ea	Dell Optiplex 7040 SFF, Win 8.1 Pro, Intel i5, 8gb DDR4, 500gb HD, DVD, Keyboard, Mouse, 22" Monitor, 3yr Computrace, 3yr Warranty, Custom Imaging	\$905.00	\$905.00
539333	Broadway Typewriter Company Inc	Central Receiving	2	RQ17017757	1	ea	CA Recycle fee-Non taxable	\$6.00	\$6.00
539334	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017674	1	ea	Lenovo L460 Laptop, Win 10 Home, Intel i5, 8gb DDR3, 500gb HD, 14"Display, 47Whr Battery, 45W Adapter, 3y Warranty	\$770.50	\$770.50
539334	Broadway Typewriter Company Inc	Central Receiving	2	RQ17017674	1	ea	CA Recycling Fee-non taxable	\$5.00	\$5.00
539334	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017674	1	ea	Absolute Mobile Premium 3yr	\$56.00	\$56.00
539334	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017674	1	ea	Custom Imaging	\$17.50	\$17.50
539335	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017774	2	ea	Lenovo ThinkPad Yoga 260, Win 10 Pro 64, Intel i7, 8gb DDR, 256gb SSD, 12.5" FHD display, 44Whr battery, 45w Adapter, ThinkPad Prp Pen, 3yr Warranty	\$1,219.00	\$2,438.00
539335	Broadway Typewriter Company Inc	Central Receiving	2	RQ17017774	2	ea	CA Recyle fee-Non taxable	\$5.00	\$10.00
539335	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017774	2	ea	Absolute DDS Mobile Premium 3yr	\$56.00	\$112.00
539335	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017774	2	ea	Custom Imaging	\$17.50	\$35.00

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539336	Royal Lines Charters, LLC	Hilltop Middle School	1	RQ17017691	1	Lot	Charter Bus transporting students to USC Trip / Museum of Tolerance on May 15, 2017.	\$1,075.00	\$1,075.00
539337	National Recognition Products of Southern	East Hills Academy	1	RQ17016806	15	each	Tassels - Navy & Silver in Color	\$10.00	\$150.00
539338	Sandoval, Arick	Mar Vista High School	1	RQ17016781	1	each	Graduation Ceremony Sound and Microphones Equipment for graduation ceremony on June, 1, 2017	\$1,500.00	\$1,500.00
539338	Sandoval, Arick	Mar Vista High School	2	RQ17016781	1	each	Graduation Ceremony rehearsal on 5/31/17 1 - 3 pm	\$200.00	\$200.00
539339	San Diego Unified School District	Student Support Services	1	RQ17017894	1	lot	Reimbursement of educational fees to SDUSD for students on probation attending the STEPS school for the 2016-17 school year. Board Approved on: April 25, 2016, Item: H-1 per Karen Michel April 26, 2016	\$27,000.00	\$27,000.00
539340	BJ's Rentals, Inc.	Maintenance	1	RQ17017957	1	ea	One day rental: Forklift reach 6000# - 36ft - 44ft	\$275.00	\$275.00
539340	BJ's Rentals, Inc.	Maintenance	2	RQ17017957	1	lot	delivery	\$75.00	\$75.00
539340	BJ's Rentals, Inc.	Maintenance	3	RQ17017957	1	lot	Pick-up charge - semi	\$75.00	\$75.00
539340	BJ's Rentals, Inc.	Maintenance	4	RQ17017957	1	lot	Damage waiver	\$33.00	\$33.00
539341	Paredes, Jesus I.	Chula Vista Middle School1		RQ17017535	30	ea	A4 - N4184 Unisex Full Button	\$25.50	\$765.00
539341	Paredes, Jesus I.	Chula Vista Middle School2		RQ17017535	1	Lot	Logo Graphic Design	\$90.00	\$90.00
539341	Paredes, Jesus I.	Chula Vista Middle School3		RQ17017535	2	ea	Set Up One Time Charge	\$10.00	\$20.00
539342	Good Sports Plus LTD	Southwest High School	1	RQ17014817	1	Lot	SD Leads Conference: Dare to Dream @ Mira Costa College, 10 students @ \$60.00 per student. Dinner included. Date: 01/28/2017.	\$600.00	\$600.00
539342	Good Sports Plus LTD	Southwest High School	2	RQ17014817	1	Lot	SD Leads Conference: Mission Possible @ UC San Diego, 10 students @ \$60.00 per student. Dinner included. Date: 03/01/2017	\$600.00	\$600.00
539343	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017249	3	EA	Lenovo M700 Tiny Desktop, Win 10 Home 64, Intel i5, 8gb DDR4, 256gb SSD, 21.5' Monitor, DVD, Keyboard, Mouse, 3yr Warranty	\$806.50	\$2,419.50
539343	Broadway Typewriter Company Inc	Central Receiving	2	RQ17017249	3	EA	Absolute DDS Mobile 3yr	\$56.00	\$168.00
539343	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017249	3	ea	Custom Imaging	\$17.50	\$52.50
539343	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017249	3	ea	CA Electronic Recycling Fee	\$6.00	\$18.00

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539344	Barnes & Noble Booksellers, USA Inc.	Chula Vista High School	1	RQ17017486	45	ea	Modern Recording Techniques (Author David Miles Huber)	\$61.95	\$2,787.75
539344	Barnes & Noble Booksellers, USA Inc.	Chula Vista High School	2	RQ17017486	45	ea	Pro Tools 101: An Introduction to Pro Tools 11 w/ DVD (Author Frank D. Cook)	\$37.49	\$1,687.05
539345	Suzie's Farm	Castle Park Middle School	1	RQ17017445	1	Lot	Farm Educational Tour for 150 students - CPM, Event Date: May 31, 2017.	\$1,200.00	\$1,200.00
539346	Grey House Publishing	Sweetwater High School	1	RQ17014420	1	lot	Working Americans 1880-2016 2nd Ed. Vol	\$149.50	\$149.50
539347	Kleene & Green	Montgomery Middle School	1	RQ17017788	4	CASE	Royal Jr Jumbo toilet tissue 1 ply 2000/roll 12 rolls /cs	\$24.56	\$98.24
539348	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017494	30	Ea	OptiPlex 7040 Small Form Factor	\$1,025.00	\$30,750.00
539348	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017494	30	Ea	Unbox & Setup at School Site (includes trash removal)	\$13.00	\$390.00
539348	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017494	30	Ea	CA Electronic Waste Recycling Fee - Non Taxable	\$6.00	\$180.00
539349	Cottonwood Electric Cart Service	Chief Compliance Officer	1	RQ17017917	1	ea	EZ-GO PREOWNED - RXV ELECTRIC (2013) Body Color-Ivory 12CV Batterv Configuration . (2016'S) \$ STANDARDTires- Hole-in-One 18 x 8.50 - 8 (4 Plv Rated) - FOLD DOWN REAR SEAT KIT STONE-WITH STEP PLATE	\$3,499.00	\$3,499.00
539349	Cottonwood Electric Cart Service	Chief Compliance Officer	2	RQ17017917	1	ea	Windshield Fold-Down CLEAR	\$475.00	\$475.00
539349	Cottonwood Electric Cart Service	Chief Compliance Officer	3	RQ17017917	1	ea	Mirror 5 panel	\$165.00	\$165.00
539349	Cottonwood Electric Cart Service	Chief Compliance Officer	4	RQ17017917	1	ea		\$36.00	\$36.00
539349	Cottonwood Electric Cart Service	Chief Compliance Officer	5	RQ17017917	1	ea	RXV (LED) LIGHT KIT	\$184.28	\$184.28
539349	Cottonwood Electric Cart Service	Chief Compliance Officer	6	RQ17017917	2	ea	H.D. REAR LEAF SPRINGS	\$59.95	\$119.90
539349	Cottonwood Electric Cart Service	Chief Compliance Officer	7	RQ17017917	1	lot	EZ go discount	-\$485.00	-\$485.00
539350	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017500	30	Ea	HP Zbook 15u G3, Notebook	\$1,444.50	\$43,335.00
539350	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017500	30	Ea	Installation of Laptops into the Cart	\$13.00	\$390.00
539350	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017500	30	Ea	CA Electronic Waste Recylcing Fee - Non Taxable	\$6.00	\$180.00
539351	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017502	30	Ea	HP Zbook 15u G3, Notebook	\$1,444.50	\$43,335.00
539351	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017502	30	Ea	Installation of Laptops into the Cart	\$13.00	\$390.00

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539351	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017502	30	Ea	CA Electronic Waste Recylcing Fee - Non Taxable	\$6.00	\$180.00
539352	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017499	30	Ea	HP Zbook 15u G3, Notebook	\$1,444.50	\$43,335.00
539352	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017499	30	Ea	Installation of Laptops into the Cart	\$13.00	\$390.00
539352	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017499	30	Ea	CA Electronic Waste Recylcing Fee - Non Taxable	\$6.00	\$180.00
539353	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017503	30	Ea	HP Zbook 15u G3, Notebook	\$1,444.50	\$43,335.00
539353	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017503	30	Ea	Installation of Laptops into the Cart	\$13.00	\$390.00
539353	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017503	30	Ea	CA Electronic Waste Recylcing Fee - Non Taxable	\$6.00	\$180.00
539354	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017505	30	Ea	HP Zbook 15u G3, Notebook	\$1,444.50	\$43,335.00
539354	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017505	30	Ea	Installation of Laptops into the Cart	\$13.00	\$390.00
539354	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017505	30	Ea	CA Electronic Waste Recylcing Fee - Non Taxable	\$6.00	\$180.00
539355	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017507	30	Ea	HP Zbook 15u G3, Notebook	\$1,444.50	\$43,335.00
539355	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017507	30	Ea	Installation of Laptops into the Cart	\$13.00	\$390.00
539355	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017507	30	Ea	CA Electronic Waste Recylcing Fee - Non Taxable	\$6.00	\$180.00
539356	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017506	30	Ea	HP Zbook 15u G3, Notebook	\$1,444.50	\$43,335.00
539356	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017506	30	Ea	Installation of Laptops into the Cart	\$13.00	\$390.00
539356	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017506	30	Ea	CA Electronic Waste Recylcing Fee - Non Taxable	\$6.00	\$180.00
539357	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017511	10	Ea	Latitude E5580, Touch Laptop	\$1,149.00	\$11,490.00
539357	Broadway Typewriter Company Inc	Central Receiving	3	RQ17017511	10	Ea	Unbox & Setup at School Site (includes trash removal)	\$13.00	\$130.00
539357	Broadway Typewriter Company Inc	Central Receiving	4	RQ17017511	10	Ea	CA Electronic Waste Recycling Fee - Non Taxable	\$6.00	\$60.00
539358	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017496	1	ea	Bretford Cube TVC 16PAC-CK - Cart for 16 netbooks/tablets - charcoal	\$791.55	\$791.55
539359	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017492	1	ea	Bretford T30C-P-AC-US EVER Cart	\$1,446.00	\$1,446.00

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539360	Broadway Typewriter Company Inc	Central Receiving	1	RQ17017493	1	ea	Bretford T30C-P-AC-US EVER Cart	\$1,446.00	\$1,446.00
539361	Follett School Solutions, Rancho Del Rey Middle School Inc.			RQ17017239	179	each	Flipped	\$7.00	\$1,253.00
539361	Follett School Solutions, Rancho Del Rey Middle School Inc.			RQ17017239	175	each	Becoming Naomi Leon	\$6.00	\$1,050.00
539362	J.R. Simplot Company	Athletic Support	1	RQ17017475	80	ea	50 lbs Turface MVP	\$10.00	\$800.00
539362	J.R. Simplot Company	Athletic Support	2	RQ17017475	80	ea	Turfacer Quick dry	\$11.05	\$884.00
539363	J.R. Simplot Company	Southwest High School	1	RQ17017473	20	yard	Amended Top Soil	\$20.98	\$419.60
539363	J.R. Simplot Company	Southwest High School	2	RQ17017473	100	lbs	Stovers Pro Sportsfield Nitro	\$4.00	\$400.00
539364	J.R. Simplot Company	Mar Vista High School	1	RQ17017474	20	yards	Amended Soil.	\$20.98	\$419.60
539364	J.R. Simplot Company	Mar Vista High School	2	RQ17017474	100	lbs	Stovers Pro Sports field	\$4.00	\$400.00
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	5	EA	RECTANGLE FOLDING TABLE, 29' HEIGHT X 72' WIDTH, GRAY GRANITE, ITEM #40LH59 MFR. MODEL #R1872-23 CATALOG PAGE # N/A UNSPSC# 56101519	\$175.73	\$878.65
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	3	EA	3-POCKET POLYESTER GENERAL PURPOSE TOOL BAG, 12'H X24'W X 12'D, BLACK ITEM #1LWK5 MFR. MODEL #1111 CATALOG PAGE# N/A UNSPSC# 24111507	\$30.41	\$91.23
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	1	EA	15'L X 12'W STANDARD RECLOSABLE POLY BAG WITH SLIDE SEAL CLOSURE, CLEAR; 3 MIL THICKNESS PKG. OF 250 ITEM # 3RB13 MFR. MODEL # 3RB13 CATALOG PAGE# N/A UNSPSC# 2411150	\$115.52	\$115.52
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	1	EA	20 TO 30 GAL. LIGHT TRASH BAGS, CLEAR, CORELESS ROLL OF 500 ITEM# 5XL47 MFR. MODEL# 5XL47 CATALOG PAGE# N/A UNSPSC# 47121701	\$54.25	\$54.25
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	1	EA	ACCIDENT PREVENTION TAG, YELLOW, HEIGHT: 5-3/4' X WIDTH: 3', 25 PK ITEM#2RMW6 MFR. MODEL# 2RMW6 CATALOG PAGE# 1987 UNSPSC# 55121503	\$18.12	\$18.12
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	1	EA	BARRICADE TAPE, YELLOW/BLACK, 1000FT X 3 IN ITEM# 1N956 CATALOG PAGE# 1876 UNSPSC# 46161507	\$3.72	\$3.72

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539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	4	EA	BALLPOINT MEDIUM - POINT BETTER PEN, 0.7 MM, BLACK (PKG. 12) ITEM# 35Y331 MFR. MODEL# PIL30000 CATALOG PAGE# N/A UNSPSC# 44121704	\$27.27	\$109.08
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	2	EA	SHARPIE PERMANENT MARKER WITH OVERSIZED CHISEL TIP SIZE, BLACK (PKG. OF 12) ITEM# 9LW82 MFR. MODEL# 44001 CATALOG PAGE# 1615 CATALOG GROUP# E6708 UNSPSC# 44121708	\$40.76	\$81.52
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	10	EA	POST-IT: PLAIN WALL PAD WITH 20 SHEETS, 20' X 23' ITEM# 2NU86 MFR. MODEL# 566SS CATALOG PAGE# 1623 UNSPSC# 44111903	\$27.99	\$279.90
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	10	EA	LEGAL-SIZE CLIPBOARD WITH CLAMP CLIP, HARDBOARD, LIGHT BROWN (PACKAGE OF 2) ITEM# 1GEJ8 MFR. MODEL# 05725 CATALOG PAGE# 1633 UNSPSC# 44122012	\$5.07	\$50.70
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	2	EA	PERFORATED PAD, 5 X 8 IN, PK 12 (PKG. OF 12) ITEM# 35W987 MFR. MODEL# TOP71501 CATALOG PAGE# 1606 UNSPSC# 14111514	\$34.43	\$68.86
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	2	EA	PERFORATED PAD, 8-1/2 X 11-3/4 IN, PK12 (PKG. OF 12) ITEM# 35X028 MFR. MODEL# TOP75351 CATALOG PAGE# 1606 UNSPSC# 14111514	\$52.52	\$105.04
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	10	each	PAINTERS MASKING TAPE, 60 YD. X 2', BLUE, 5.70 MIL ITEM# 20PJ24 MFR. MODEL# 20PJ24 CATALOG PAGE# 1635 CATALOG GROUP# H6197 UNSPSC# 31201503	\$15.30	\$153.00
539365	Grainger, Inc.	Equity Culture & Support Services		RQ17017210	4	EA	MEGAPHONE, 1 MI., LI-ION BATTERY PACK ITEM# 36CJ44 MFR. MODEL# SB602MR CATALOG PAGE# N/A UNSPSC# 5216153	\$272.25	\$1,089.00
539366	Datel Systems Inc.	Central Receiving	1	RQ17016490	1	ea	Epson Projector LCD - Powerlite S27	\$359.00	\$359.00
539367	Vista Higher Learning, Inc	Otay Ranch HS	1	RQ17017686	1	pk	Taller 2e instructor Resource Pack	\$217.00	\$217.00
539368	Prophet Corporation (The)	Otay Ranch HS	1	RQ17017629	1	ea	Rainbow IntroFit Plyo Boxes w Instructions	\$1,217.35	\$1,217.35

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539368	Prophet Corporation	Otay Ranch HS	2	RQ17017629	1	ea	AssessPro Modified Pullup System	\$309.43	\$309.43
539368	Prophet Corporation (The)	Otay Ranch HS	3	RQ17017629	1	ea	ClassPlus AssessPro Curl-Up Mat Pack - pack of 24	\$872.03	\$872.03
539368	Prophet Corporation (The)	Otay Ranch HS	4	RQ17017629	35	ea	ProStretch Tubing w/TPR Handles - Light, Green	\$10.62	\$371.70
539368	Prophet Corporation (The)	Otay Ranch HS	5	RQ17017629	20	ea	ProStretch Tubing w/TPR Handles - Medium, Red	\$11.59	\$231.80
539369	Prime Sports Sales & Design	Southwest High School	1	RQ17017040	5	EA	Teamwork Swish 9' basketball shorts	\$13.97	\$69.85
539370	Sport Supply Group, Inc.	Southwest High School	1	RQ17017027	1	EA	Adjustable lateral plyo-box	\$389.95	\$389.95
539370	Sport Supply Group, Inc.	Southwest High School	2	RQ17017027	1	KIT	Billiard starter kit	\$91.99	\$91.99
539370	Sport Supply Group, Inc.	Southwest High School	3	RQ17017027	8	EA	Economy CUE 48'	\$11.47	\$91.76
539370	Sport Supply Group, Inc.	Southwest High School	4	RQ17017027	5	EA	Spalding NJCAA women's game basketball	\$54.00	\$270.00
539370	Sport Supply Group, Inc.	Southwest High School	5	RQ17017027	6	EA	Wilson evolution basketball	\$49.19	\$295.14
539370	Sport Supply Group, Inc.	Southwest High School	6	RQ17017027	1	EA	Monster double ball cart	\$360.79	\$360.79
539370	Sport Supply Group, Inc.	Southwest High School	7	RQ17017027	1	EA	Multi purpose training sled harness	\$38.24	\$38.24
539370	Sport Supply Group, Inc.	Southwest High School	8	RQ17017027	1	EA	Reactor blaster power sled	\$275.99	\$275.99
539371	Communications USA, Inc	Central Receiving	1	RQ17017846	10	ea	Radio, XPR 7550E 403-512 4W FKP, AAH56RDN9WA1ANS	\$489.00	\$4,890.00
539371	Communications USA, Inc	Central Receiving	2	RQ17017846	10	ea	PROGRAMMING FEE PER UNIT	\$25.00	\$250.00
539371	Communications USA, Inc	Central Receiving	3	RQ17017846	1	ea	BLUE ANTENNA ID BAND (PACK OF 10)	\$6.50	\$6.50
539372	Genuine Parts Co.	Bonita Vista High School	1	RQ17017424	2	ea	GPX AIR HOSE	\$53.07	\$106.14
539372	Genuine Parts Co.	Bonita Vista High School	2	RQ17017424	1	ea	LOCKG CORD 50FT 14GA	\$79.99	\$79.99
539372	Genuine Parts Co.	Bonita Vista High School	3	RQ17017424	1	ea	3-OUTLET EXT CORD	\$42.99	\$42.99
539372	Genuine Parts Co.	Bonita Vista High School	4	RQ17017424	1	ea	QD ELECTRONIC CLEANER	\$10.49	\$10.49
539372	Genuine Parts Co.	Bonita Vista High School	5	RQ17017424	1	ea	DIELECTRIC GREASE	\$10.49	\$10.49
539372	Genuine Parts Co.	Bonita Vista High School	6	RQ17017424	10	ea	GOJO ORANGE GAL PUMP (983)	\$13.99	\$139.90
539372	Genuine Parts Co.	Bonita Vista High School	7	RQ17017424	10	ea	SUPER CLEAN DEGREASER (T02)	\$11.99	\$119.90
539372	Genuine Parts Co.	Bonita Vista High School	8	RQ17017424	1	ea	CTR CONE	\$104.88	\$104.88
539372	Genuine Parts Co.	Bonita Vista High School	9	RQ17017424	1	ea	ADAPTER	\$8.77	\$8.77
539372	Genuine Parts Co.	Bonita Vista High School	10	RQ17017424	1	ea	BRKFLUID DOT 3-GAL (T37)	\$15.99	\$15.99
539372	Genuine Parts Co.	Bonita Vista High School	11	RQ17017424	1	ea	BRKFLUID DOT 4-32OZ (T37)	\$5.99	\$5.99

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539372	Genuine Parts Co.	Bonita Vista High School	12	RQ17017424	1	ea	BATTERY - NAPA LEGEND PR (T27)	\$87.04	\$87.04
539372	Genuine Parts Co.	Bonita Vista High School	13	RQ17017424	1	ea	CORE DEPOSIT (T27)	\$18.00	\$18.00
539372	Genuine Parts Co.	Bonita Vista High School	14	RQ17017424	1	ea	CA BATTERY ENVIRONMENTAL FEE	\$1.00	\$1.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	1	RQ17017533	1	Ea	PVC Stability Rack	\$172.00	\$172.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	2	RQ17017533	1	Ea	Perform Better 45cm Exercise Ball	\$29.00	\$29.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	3	RQ17017533	1	Ea	Perform Better 55cm Exercise Ball	\$33.00	\$33.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	4	RQ17017533	1	Ea	Perform Better 65cm Exercise Ball	\$36.00	\$36.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	5	RQ17017533	1	Ea	Perform Better 75cm Exercise Ball	\$39.00	\$39.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	6	RQ17017533	1	Ea	Pro Elite Plyo Box	\$645.00	\$645.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	7	RQ17017533	1	Ea	Aerobic Pack Locking Rack and Neoprene Dumbbells	\$1,054.00	\$1,054.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	8	RQ17017533	1	Ea	Optima Series Dual Adjustable Pulley	\$3,309.00	\$3,309.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	9	RQ17017533	1	Ea	6 Tier Medicine Ball Tower Rack	\$116.00	\$116.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	10	RQ17017533	1	Ea	Medicine Ball 4lb. (Orange)	\$31.00	\$31.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	11	RQ17017533	1	Ea	Medicine Ball 6lb. (Royal Blue)	\$35.00	\$35.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	12	RQ17017533	1	Ea	Medicine Ball 8lb.(Forest Green)	\$39.50	\$39.50
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	13	RQ17017533	1	Ea	Medicine Ball 10lb. (Violet)	\$43.50	\$43.50
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	14	RQ17017533	1	Ea	Medicine Ball 12lb. (Gray)	\$48.00	\$48.00
539373	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	15	RQ17017533	1	Ea	Medicine Ball 15lb. (Red)	\$61.00	\$61.00
539374	Musician's Friend Inc	Central Receiving	1	RQ17017539	1	ea	J011921 Peavey Escort 5000 Powered Portable PA	\$799.99	\$799.99
539374	Musician's Friend Inc	Central Receiving	2	RQ17017539	5	ea	Shure SM58, Stand & Cable Package	\$109.99	\$549.95
539375	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	1	RQ17017545	1	Ea	Activate Series Treadmill	\$4,255.00	\$4,255.00
539376	Regents of the University of California	Curriculum	1	RQ17017869	360	ea	Learning Common Core Mathematics with C/C++ Interpreter CH for Integrated Math 1	\$50.00	\$18,000.00

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539377	Troxell	Central Receiving	1	RQ17016491	1	ea	Lumens Docucam	\$363.64	\$363.64
539378	Communications, Inc.								
539378	Association for	CTE (formerly ROP)	1	RQ17017592	12	kit	ROV Kits	\$179.00	\$2,148.00
539378	Unmanned Vehicle								
539378	Systems	CTE (formerly ROP)	2	RQ17017592	1	pk	Thruster 15 pack	\$130.00	\$130.00
539378	Association for								
539378	Unmanned Vehicle	CTE (formerly ROP)	3	RQ17017592	1	pk	SeaSwitch 5 pack	\$163.00	\$163.00
539378	Systems								
539378	Association for	CTE (formerly ROP)	4	RQ17017592	2	ea	Manual	\$26.00	\$52.00
539378	Unmanned Vehicle								
539378	Systems	CTE (formerly ROP)	5	RQ17017592	50	ea	Solder Practice	\$8.00	\$400.00
539378	Association for								
539378	Unmanned Vehicle	CTE (formerly ROP)	6	RQ17017592	1	pk	PCB 5-pack	\$39.00	\$39.00
539378	Systems								
539378	Association for	CTE (formerly ROP)	7	RQ17017592	1	pk	Prop 15-pack	\$52.00	\$52.00
539378	Unmanned Vehicle								
539378	Systems	CTE (formerly ROP)	8	RQ17017592	4	ea	Build Your Own Underwater Robot	\$25.00	\$100.00
539378	Association for								
539378	Unmanned Vehicle	CTE (formerly ROP)	9	RQ17017592	2	kit	ROV Kit (No Battery)	\$142.00	\$284.00
539378	Systems								
539379	B&H Photo	Montgomery High School	1	RQ17017641	2	ea	WAACE1615B WATSON 15FT AC	\$7.96	\$15.92
539379	B&H Photo	Montgomery High School	2	RQ17017641	4	ea	POWER EXTENSION	\$29.67	\$118.68
539379	B&H Photo	Montgomery High School	3	RQ17017641	1	ea	BEBP1122300 BELKIN BP112230-08	\$50.95	\$50.95
539379	B&H Photo	Montgomery High School	4	RQ17017641	1	ea	PIVOTPLUG	\$50.99	\$50.99
539379	B&H Photo	Montgomery High School	5	RQ17017641	1	ea	BRTN33 BROTHER TN331C CYAN	\$50.08	\$50.08
539379	B&H Photo	Montgomery High School	6	RQ17017641	1	ea	TONER	\$122.49	\$122.49
539379	B&H Photo	Montgomery High School	7	RQ17017641	1	ea	BRTN331M BROTHER TN3331M	\$47.20	\$47.20
539379	B&H Photo	Montgomery High School					STANDARD YIELD MAGENTA TONER		
539379	B&H Photo	Montgomery High School					BRTN331Y BROTHER TN331Y		
539379	B&H Photo	Montgomery High School					STANDARD YIELD YELLOW TONER		
539379	B&H Photo	Montgomery High School					CACLI428PK CANON CLI-42 EIGHT		
539379	B&H Photo	Montgomery High School					COLOR INJK TANK PAC		
539379	B&H Photo	Montgomery High School					BRTN331BK BROTHER TN331BK		
539379	B&H Photo	Montgomery High School					STANDARD YIELD BLACK TONER		

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539380	Palos Sports, Inc.	Hilltop High School	1	RQ17015254	3	Ea	Electric Air Pump	\$85.97	\$257.91
539380	Palos Sports, Inc.	Hilltop High School	2	RQ17015254	1	Ea	Xtreme Monkey 3 in 1 Wood Plyo Box	\$138.99	\$138.99
539381	Orca Book Publishers, Inc.	Granger Junior High School	1	RQ17016680	1	LOT	Preselected Books per Invoice ID 1808 Customer 18179	\$390.04	\$390.04
539382	San Diego County Superintendent of Schools	Professional Development	1	RQ17017612	1	ea	Consultant - San Diego County Office of Education will provide one day (6.5 hours) of professional learning for SUHSD teachers beginning March 14, 2017, and ending June 30, 2017, for the purpose of developing teachers' understanding of how fluency, number sense and standards of mathematical practice are woven together.	\$3,000.00	\$3,000.00
539383	Follett School Solutions, Inc.	Chula Vista Middle School	1	RQ17017344	1	lot	27 Pre-selected AR Books per Titlewave Quote ID 9169667 List 17442448 List name Order now	\$477.49	\$477.49
539384	YMCA of San Diego County	Mar Vista Academy	1	RQ17016676	1	Lot	Boys Soccer Team League Fees	\$400.00	\$400.00
539384	YMCA of San Diego County	Mar Vista Academy	2	RQ17016676	1	Lot	Boys Basketball League Fees	\$330.00	\$330.00
539385	Woodwind & Brasswind, Inc.	Olympian High School	1	RQ17017411	2	ea	Livewire Essential 16g Speaker Cable 1/4 in. to 1/4 in. 50 ft. Black	\$33.00	\$66.00
539385	Woodwind & Brasswind, Inc.	Olympian High School	2	RQ17017411	1	ea	Nady CYM-2 Condenser Mic Kit	\$68.00	\$68.00
539385	Woodwind & Brasswind, Inc.	Olympian High School	3	RQ17017411	2	ea	Rapco Horizon Standard Lo-Z Microphone XLR Cable 50 ft.	\$27.00	\$54.00
539385	Woodwind & Brasswind, Inc.	Olympian High School	4	RQ17017411	4	ea	Schilke Standard Series French Horn Mouthpiece in Silver 31B Silver	\$50.00	\$200.00
539385	Woodwind & Brasswind, Inc.	Olympian High School	5	RQ17017411	3	ea	Shure SM48 Cardioid Dynamic Vocal Microphone	\$38.00	\$114.00
539386	Parent Institute For Quality Education	Sweetwater High School	1	RQ17015034	1	lot	Consultant - Training course for parents of the children enrolled at SUHI. April 11-May 30, 2017. Location of classes: Sweetwater High School.	\$5,000.00	\$5,000.00
539387	YMCA of San Diego County	Castle Park Middle School	1	RQ17017217	1	Lot	Spring 2017 Middle School Invitational, (1 Boys Soccer Team @ \$400.00 / each) from CPM	\$400.00	\$400.00
539387	YMCA of San Diego County	Castle Park Middle School	2	RQ17017217	1	.	Make all checks payable to YMCA of San Diego County, 3708 Ruffin Road, San Diego County, 3708 Rffin Road, San Diego, CA 92123	\$0.00	\$0.00

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539388	YMCA of San Diego County	Castle Park Middle School	1	RQ17017216	1	Lot	Spring 2017 Middle School Invitational, (1 Boys Basketball Team @ \$330.00 / each) from CPM	\$330.00	\$330.00
539388	YMCA of San Diego County	Castle Park Middle School	2	RQ17017216	1	.	Make all checks payable to YMCA of San Diego County, 3708 Ruffin Road, San Diego CA 92123.	\$0.00	\$0.00
539389	Mendes Training & Consulting, Inc.	Equity Culture & Support Services		RQ17016714	1	EA	CONSULTANT ERNEST MENDES WILL PROVIDE PROFESSIONAL DEVELOPMENT FOR THE STAFF AT CHULA VISTA MIDDLE SCHOOL.	\$2,800.00	\$2,800.00
539390	Smart & Final Stores Corporation	Southwest High School	1	RQ17017165	1	LOT	MISC ITEMS FOR SCHOLARSHIP ASSEMBLY AND VAPA ASSEMBLY TO BE HELD ON MAY 24, 2017	\$1,000.00	\$1,000.00
539391	Smart & Final Stores Corporation	Southwest Middle School	1	RQ17017221	1	lot	Purchase of healthy snacks, drinks, paper ware and plastic utensils for the ASES After School Program for the month of MAY 2017. Authorized purchasers: Esther Parrenas, David Singh and Michelle Zamora-Barba no later than May 31, 2017	\$500.00	\$500.00
539392	Smart & Final Stores Corporation	Southwest Middle School	1	RQ17017222	1	lot	Healthy snacks, drinks, paper ware and plastic utensils for the ASES After School Program for the Month of June. Authorized purchasers: Esther Parrenas, David Singh and Michelle Zamora-Barba no later than June 30, 2017	\$500.00	\$500.00
539393	Safeway Inc.	Southwest Middle School	1	RQ17017223	1	LOT	Items needed for ASES cooking class for the month of May 2017. Authorized purchasers: Esther Parrenas or Michelle Zamora-Barba no later than May 31, 2017	\$500.00	\$500.00
539394	Safeway Inc.	Southwest Middle School	1	RQ17017226	1	LOT	Items needed for ASES cooking class for the month of MAY 2017. Authorized purchasers: Esther Parrenas or Michelle Zamora-Barba no later than May 31, 2017	\$500.00	\$500.00
539395	Safeway Inc.	Sweetwater High School	1	RQ17016954	1	LOT	Purchase of healthy snacks and drinks for students in the After School Program no later than June 1, 2017	\$500.00	\$500.00
539396	Smart & Final Stores Corporation	National City Middle School	1	RQ17017501	1	lot	Healthy snacks and items needed for end of the year staff celebration to be purchased by Teresa Walkup, Juan Gonzalez or Esmeralda Cameon no later than June 2, 2017	\$200.00	\$200.00

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539397	Smart & Final Stores Corporation	Student Support Services	1	RQ17017598	1	lot	Purchase of refreshments items for 2016-17 Graduation/Promotion Exercises at Southwestern Community College on the following dates: 5/30/17, 5/31/17, 6/1/17, 6/2/17. Authorized purchasers: Sonia Picos & Liz Hernandez no later than June 30, 2017	\$500.00	\$500.00
539398	Smart & Final Stores Corporation	Special Services	1	RQ17017148	1	lot	Bottled Water, coffee, cups and coffee creamer needed for parent transition meetings through June 1, 2017	\$88.00	\$88.00
539399	Safeway Inc.	Olympian High School	1	RQ17016773	1	Lot	Purchase of healthy sandwich ingredients, fruit and water for students attending a field trip to Science Museum on 6/13/2017.	\$500.00	\$500.00
539400	Safeway Inc.	Chula Vista Middle School	1	RQ17017559	1	Lot	Supplies needed for healthy snacks and drink for Club TC Farm2Table cooking class.	\$500.00	\$500.00
539400	Safeway Inc.	Chula Vista Middle School	2	RQ17017559	1	.	Authorizer Purchaser: Sandra Bishop no later than June 30, 2017	\$0.00	\$0.00
539401	Smart & Final Stores Corporation	Montgomery Middle School	1	RQ17017243	1	Lot	Purchase of supplies and food for the Mayan Kitchen Club and for drinks and healthy snacks for the month of May-June, 2017.	\$500.00	\$500.00
539402	Smart & Final Stores Corporation	National City Middle School	1	RQ17017231	1	lot	Purchase of Healthy snacks and water for ASP Supplemental Program.	\$500.00	\$500.00
539402	Smart & Final Stores Corporation	National City Middle School	1	RQ17017231	1	.	Authorized Purchaser: Alejandra Mondragon no later than May 31, 2017	\$0.00	\$0.00
539403	Rasix Computer Center, Inc.	CTE (formerly ROP)	1	RQ17017455	1	EA	HP647A BLACK LASERJET TONER	\$114.00	\$114.00
539403	Rasix Computer Center, Inc.	CTE (formerly ROP)	2	RQ17017455	1	EA	HP648A CYAN LASERJET TONER	\$205.00	\$205.00
539403	Rasix Computer Center, Inc.	CTE (formerly ROP)	3	RQ17017455	1	EA	HP648A YELLOW LASERJET TONER	\$205.00	\$205.00
539403	Rasix Computer Center, Inc.	CTE (formerly ROP)	4	RQ17017455	1	EA	HP648A MAGENTA LASERJET TONER	\$205.00	\$205.00
539404	Rasix Computer Center, Inc.	Alta Vista Academy	1	RQ17014572	1	EA	HP 970XL Black Ink Catridge	\$92.72	\$92.72
539404	Rasix Computer Center, Inc.	Alta Vista Academy	2	RQ17014572	1	ea	HP971 Cyan Ink Catridge	\$60.43	\$60.43
539404	Rasix Computer Center, Inc.	Alta Vista Academy	3	RQ17014572	1	ea	HP971 Yellow Ink Cartidge	\$60.43	\$60.43
539404	Rasix Computer Center, Inc.	Alta Vista Academy	4	RQ17014572	1	ea	HP971XL Magenta Ink Cartidge	\$91.80	\$91.80
539405	Rasix Computer Center, Inc.	Bonita Vista Middle School	1	RQ17016790	2	ea	HEWCF281X Black Toner	\$195.00	\$390.00

Purchase Order Listing Detail

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539405	Rasix Computer Center, Inc.	Bonita Vista Middle School	2	RQ17016790	2	ea	HEWC8061X Black Toner	\$89.00	\$178.00
539405	Rasix Computer Center, Inc.	Bonita Vista Middle School	3	RQ17016790	3	ea	HEWQ5942X Black Toner	\$189.00	\$567.00
539406	Rasix Computer Center, Inc.	Montgomery Adult School	1	RQ17016805	4	Each	HP 05 Black toner cartridge for HP Laser jet P2035 and 2055 HP# CE505 A - NO SUBSTITUTE	\$66.00	\$264.00
539406	Rasix Computer Center, Inc.	Montgomery Adult School	2	RQ17016805	2	Each	HP 501A Black original toner cartidge HP #Q6470 A - NO SUBSTITUTE	\$112.00	\$224.00
539406	Rasix Computer Center, Inc.	Montgomery Adult School	3	RQ17016805	4	Each	HP 647A Black Original Laser Jet toner cartridge for HP LaserJet CP4025, CP4525 HP #CE260A NO SUBSTITUTE	\$114.00	\$456.00
539406	Rasix Computer Center, Inc.	Montgomery Adult School	4	RQ17016805	2	Each	HP #648 A Cayan print cartidge HP# CE261A - NO SUBSTITUTE	\$205.00	\$410.00
539406	Rasix Computer Center, Inc.	Montgomery Adult School	5	RQ17016805	2	Each	HP 648A Yellow print cartidge HP #CE262A - NO SUBSTITUTE	\$205.00	\$410.00
539406	Rasix Computer Center, Inc.	Montgomery Adult School	6	RQ17016805	2	Each	HP 648A Magenta print cartridge HP #CE263 A - NO SUBSTITUTE	\$205.00	\$410.00
539407	Rasix Computer Center, Inc.	Sweetwater High School	1	RQ17017107	1	ea	CE252A - Yellow cartridge	\$182.00	\$182.00
539407	Rasix Computer Center, Inc.	Sweetwater High School	2	RQ17017107	1	ea	CE253A - Magenta cartridge	\$182.00	\$182.00
539407	Rasix Computer Center, Inc.	Sweetwater High School	3	RQ17017107	1	ea	CE251A - Cyan cartridge	\$182.00	\$182.00
539407	Rasix Computer Center, Inc.	Sweetwater High School	4	RQ17017107	1	ea	National City Sales Tax Adjustment 8.75%	\$2.73	\$2.73
539409	Rasix Computer Center, Inc.	Otay Ranch HS	1	RQ17017242	2	ea	HP Toner 80A CF280A	\$76.00	\$152.00
539409	Rasix Computer Center, Inc.	Otay Ranch HS	2	RQ17017242	2	ea	Laser cartridge CE505A	\$66.00	\$132.00
539409	Rasix Computer Center, Inc.	Otay Ranch HS	3	RQ17017242	1	ea	HP HP 87A, (CF287A) Black Original LaserJet Toner Cartridge - NON BID PRICING PER JEFFREY KOZMA	\$174.08	\$174.08
539409	Rasix Computer Center, Inc.	Otay Ranch HS	4	RQ17017242	2	ea	CF226A HP 26 Black Toner	\$82.00	\$164.00
539410	Rasix Computer Center, Inc.	Alternative Education	1	RQ17017347	2	Each	HP 12A Black original LaserJet toner cartridgeHP #Q2612A -NO SUBSTITUTE Page Yield 2,000	\$55.00	\$110.00
539410	Rasix Computer Center, Inc.	Alternative Education	2	RQ17017347	6	Each	HP 78A Black Original LaserJet Toner cartridgeHP #CE278A ; NO SUBSTITUTE Page Yield ; 2,100	\$61.00	\$366.00

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539411	Rasix Computer Center, Inc.	Alternative Education	1	RQ17017351	3	Each	HP 80A Black print cartridge for HP LaserJet Pro 400 seriesHP #CF280A - NO SUBSTITUTE Page Yield - 2700 Pages	\$76.00	\$228.00
539413	Rasix Computer Center, Inc.	Castle Park High School	1	RQ17017516	1	EA	HP 26A Black original toner for M402A	\$82.00	\$82.00
539414	Rasix Computer Center, Inc.	Montgomery High School	1	RQ17017550	6	ea	Magenta Ink	\$49.00	\$294.00
539414	Rasix Computer Center, Inc.	Montgomery High School	2	RQ17017550	1	ea	BLACK TONER	\$66.00	\$66.00
539414	Rasix Computer Center, Inc.	Montgomery High School	3	RQ17017550	8	ea	Black Ink	\$54.00	\$432.00
539414	Rasix Computer Center, Inc.	Montgomery High School	4	RQ17017550	6	ea	Cyan Ink	\$49.00	\$294.00
539414	Rasix Computer Center, Inc.	Montgomery High School	5	RQ17017550	6	ea	Yellow Ink	\$49.00	\$294.00
539414	Rasix Computer Center, Inc.	Montgomery High School	6	RQ17017550	4	ea	BLACK TONER CARTRIDGE	\$62.00	\$248.00
539414	Rasix Computer Center, Inc.	Montgomery High School	7	RQ17017550	2	ea	CYAN TONER CARTRIDGE	\$88.00	\$176.00
539414	Rasix Computer Center, Inc.	Montgomery High School	8	RQ17017550	2	ea	YELLOW TONER CARTRIDGE	\$88.00	\$176.00
539414	Rasix Computer Center, Inc.	Montgomery High School	9	RQ17017550	2	ea	MAGENTA TONER CARTRIDGE	\$88.00	\$176.00
539415	Rasix Computer Center, Inc.	Special Services	1	RQ17017569	3	ea	HP 56 black ink cartridge, C6656AN	\$24.00	\$72.00
539416	Rasix Computer Center, Inc.	Nutrition Services	1	RQ17017688	25	lot	Black Cartridge for HP laserjet CE285A	\$51.00	\$1,275.00
539417	Rasix Computer Center, Inc.	Nutrition Services	1	RQ17017689	15	lot	Laserjet print cartidge for Laserjet 1320-1160 HP#Q5949A	\$74.00	\$1,110.00
539418	Tree House, Inc. (The)	Nutrition Services	1	RQ17017696	10	lot	P 26A, Black Originalk Toner Cartridge for HP LaserJet M402 MFP M426 HP#CCF226A Compatible	\$41.00	\$410.00
539419	Rasix Computer Center, Inc.	Alta Vista Academy	1	RQ17017756	3	ea	HP#CE255A Black Laserjet Toner Cartridge	\$105.00	\$315.00
539420	Barnes & Noble Booksellers, USA Inc.	CTE (formerly ROP)	1	RQ17017649	36	ea	7 Habits of Highly Effective Teens	\$13.59	\$489.24
539420	Barnes & Noble Booksellers, USA Inc.	CTE (formerly ROP)	2	RQ17017649	16	ea	7 Habits of Highly Effective Teens-Personal Workbook	\$4.00	\$64.00
539420	Barnes & Noble Booksellers, USA Inc.	CTE (formerly ROP)	3	RQ17017649	22	ea	Life Strategies for Teens	\$19.99	\$439.78
539420	Barnes & Noble Booksellers, USA Inc.	CTE (formerly ROP)	4	RQ17017649	100	ea	Success Principles for Teens: How to get from where you are to where you want to be.	\$11.96	\$1,196.00

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539421	San Diego Stage & Lighting Supply, Inc.	Central Receiving	1	RQ17017619	2	ea	Stage Light, Comet 410 Watt Quartz Black w/ Stand, FLE Lamp	\$1,500.00	\$3,000.00
539422	B&H Photo	Otay Ranch HS	1	RQ17017078	2	ea	Epson powerlite replacement projector lamp	\$114.56	\$229.12
539423	Sundance Stage Lines, Inc.	Hilltop Middle School	1	RQ17017962	1	lot	Charter bus transporting students from Hilltop Middle to USC University Park Campus, The Museum of Tolerance, 9786 W. Pico Blvd, Los Angeles, CA on May 12, 2017	\$1,215.00	\$1,215.00
539424	Legoland	Chula Vista Middle School	1	RQ17017747	120	ea	EDU Spring CH Tickes	\$15.00	\$1,800.00
539424	Legoland	Chula Vista Middle School	2	RQ17017747	15	ea	EDU Spring CH Tickes	\$15.00	\$225.00
539424	Legoland	Chula Vista Middle School	3	RQ17017747	1	.	Pre-Pay, Please contact Sandra Bishop when check is ready for pick up.	\$0.00	\$0.00
539425	Barnes & Noble Booksellers, USA Inc.	Bonita Vista High School	1	RQ17017608	155	ea	Lone Ranger and Tonto Fistfight in Heaven by Sherman Alexie Grove Atlantic	\$12.80	\$1,984.00
539426	Bright market LLC	Special Services	1	RQ17017602	1	ea	Asset Manager Enterprise Edition Update. Contact staff: Dennis Hernandez, dennis.hernandez@sweetwaterschools.org	\$395.00	\$395.00
539427	Pro-Ed	Special Services	1	RQ17015194	1	ea	Social Language Training Adolescent, Format/CD	\$43.95	\$43.95
539427	Pro-Ed	Special Services	2	RQ17015194	1	ea	HELP® for Auditory Processing, Format/CD	\$43.95	\$43.95
539427	Pro-Ed	Special Services	3	RQ17015194	1		Scripts for Role-Playing Setting the Stage for Social Success Future Books®, Format/Item, not ebook	\$79.95	\$79.95
539427	Pro-Ed	Special Services	4	RQ17015194	1		Social Language Development Scenes Adolescent for Group Therapy, Format/Cards	\$39.95	\$39.95
539428	Pro-Ed	Castle Park High School	1	RQ17014940	1	EA	Problem Solving photo scenes	\$48.00	\$48.00
539429	Staples Inc. & Subsidiaries	Alternative Education	1	RQ17016745	30	pk	Staples Colored Pressboard Classification Folders, Letter, 1 Partition, Green, 20/Pack	\$30.14	\$904.20
539430	Staples Inc. & Subsidiaries	Bonita Vista High Learning Center	1	RQ17016746	10	pk	Staples Colored Pressboard Classification Folders, Letter, 1 Partition, Green, 20/Pack	\$30.14	\$301.40
539431	Whitaker Brothers Business Machines, Inc.	Purchasing	1	RQ17017695	2	Each	Ink Ribbon, purple, for time stamp machine, ID #22816	\$12.00	\$24.00
539431	Whitaker Brothers Business Machines, Inc.	Purchasing	2	RQ17017695	2	Each	Ink Ribbon, purple, for purchase order stamp machine, ID #20655	\$22.00	\$44.00
539432	Staples Inc. & Subsidiaries	Castle Park High Learning Center	1	RQ17016747	10	pk	Staples Colored Pressboard Classification Folders, Letter, 1 Partition, Green, 20/Pack	\$30.14	\$301.40
539433	Staples Inc. & Subsidiaries	Chula Vista High Learning Center	1	RQ17016748	10	pk	Staples Colored Pressboard Classification Folders, Letter, 1 Partition, Green, 20/Pack	\$30.14	\$301.40
539434	Staples Inc. & Subsidiaries	Eastlake High School Learning Center	1	RQ17016749	10	pk	Staples Colored Pressboard Classification Folders, Letter, 1 Partition, Green, 20/Pack	\$30.14	\$301.40

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539435	Staples Inc. & Subsidiaries	Hilltop High School Learning Center		RQ17016750	10	pk	Staples Colored Pressboard Classification Folders, Letter, 1 Partition, Green, 20/Pack	\$30.14	\$301.40
539436	Staples Inc. & Subsidiaries	Mar Vista High School Learning Center		RQ17016751	10	pk	Staples Colored Pressboard Classification Folders, Letter, 1 Partition, Green, 20/Pack	\$30.14	\$301.40
539437	Staples Inc. & Subsidiaries	Montgomery High School Learning Center		RQ17016752	10	pk	Staples Colored Pressboard Classification Folders, Letter, 1 Partition, Green, 20/Pack	\$30.14	\$301.40
539438	Staples Inc. & Subsidiaries	Olympian High School Learning Center		RQ17016753	10	pk	Staples Colored Pressboard Classification Folders, Letter, 1 Partition, Green, 20/Pack	\$30.14	\$301.40
539439	Staples Inc. & Subsidiaries	San Ysidro High School Learning Center		RQ17016754	15	pkk	Staples Colored Pressboard Classification Folders, Letter, 1 Partition, Green, 20/Pack	\$30.14	\$452.10
539440	Staples Inc. & Subsidiaries	Southwest High School Learning Center		RQ17016755	10	pk	Staples Colored Pressboard Classification Folders, Letter, 1 Partition, Green, 20/Pack	\$30.14	\$301.40
539441	Staples Inc. & Subsidiaries	Sweetwater High School Learning Center		RQ17016756	15	PACK	Staples Colored Pressboard Classification Folders, Letter, 1 Partition, Green, 20/Pack	\$30.14	\$452.10
539442	BrainPOPLLC	Chula Vista Middle School	1	RQ17015547	3	ea	Annual License for BrainPOP Espanol by a teacher in a single classroom on up to three computers, projectors or interactive whiteboards.	\$134.91	\$404.73
539443	B&H Photo	Hilltop High School	1	RQ17015748	1	ea	Bose Companion 2 Series III Multimedia Speaker System	\$99.00	\$99.00
539444	National Academic Quiz Tournaments, LLC	Sweetwater High School	1	RQ17015786	1	lot	Academic Decathlon Quiz Bowl Practice Questions. 2016-2017 Package	\$1,213.00	\$1,213.00
539445	Pro-Ed	Special Services	1	RQ17015476	1	ea	TECEL: Test of Early Communication and Emerging Language	\$276.00	\$276.00
539446	CDW Government, Inc.	Central Receiving	1	RQ17015338	5	ea	Epson ELPLP88 Replacement Projector Lamp/Bulb for PowerLite S27	\$81.99	\$409.95
539446	CDW Government, Inc.	Central Receiving	2	RQ17015338	20	ea	Epson PowerLite 1224 Projector - XGA 3200 Lumens	\$575.99	\$11,519.80
539447	Broadway Typewriter Company Inc	Central Receiving	1	RQ17016049	31	ea	OptiPlex 7450 AIO, All-in-One Desktop computer	\$1,371.29	\$42,509.99
539447	Broadway Typewriter Company Inc	Central Receiving	3	RQ17016049	31	Ea	CA Electronic Waste Recycling Fee	\$6.00	\$186.00
539448	B&H Photo	Hilltop High School	1	RQ17015544	1	Each	Luxor steel cart	\$98.97	\$98.97
539448	B&H Photo	Hilltop High School	2	RQ17015544	1	Each	Epson business projector	\$427.01	\$427.01
539449	Apple Computer Inc.	Central Receiving	1	RQ17015696	1	EA	MacBook Pro 13-inch: 2.0GHz dual-core i5, 256GB- Silver 065-C45M 2.0GHz Dual-core Intel Core i5, Turbo Boost up to 3.1GHz	\$1,449.00	\$1,449.00
539449	Apple Computer Inc.	Central Receiving	2	RQ17015696	1	LOT	AppleCare Protection Plan for MacBook/MacBook Air/13' MacBook Pro - Auto Enroll	\$183.00	\$183.00
539449	Apple Computer Inc.	Central Receiving	3	RQ17015696	1	ea	eWaste Fee / Recycling Fee	\$5.00	\$5.00
539450	Scholastic Inc.	San Ysidro High School	1	RQ17016166	1	lot	Action Magazine	\$593.34	\$593.34

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539451	City of San Diego	Athletic Support	1	RQ17015530	1	lot	Annual PO for use of the City of San Diego pools	\$8,000.00	\$8,000.00
539452	Home Depot	Mar Vista Academy	1	RQ17016610	1	ea	Garland rug medallion black 9 ft. x 12 ft. area rug	\$131.26	\$131.26
539453	Flinn Scientific, Inc.	Eastlake High School	1	RQ17017956	2	SET	DENSITY CUBE SET	\$30.32	\$60.63
539453	Flinn Scientific, Inc.	Eastlake High School	2	RQ17017956	1	EA	12MHYDROCHLORIC ACID 2.5L BOTTLE	\$33.01	\$33.01
539453	Flinn Scientific, Inc.	Eastlake High School	3	RQ17017956	3	EA	RIBBON MAGNESIUM 25g	\$10.78	\$32.34
539453	Flinn Scientific, Inc.	Eastlake High School	4	RQ17017956	16	PKG	LIGHTER FLINTS PKG OF 5	\$2.22	\$35.48
539453	Flinn Scientific, Inc.	Eastlake High School	5	RQ17017956	2	KIT	FLAME TEST EMISSION KIT	\$69.74	\$139.48
539453	Flinn Scientific, Inc.	Eastlake High School	6	RQ17017956	8	PK	REPLACEMENT FLINTS, PKG. OF 5	\$2.22	\$17.74
539453	Flinn Scientific, Inc.	Eastlake High School	7	RQ17017956	1	EA	SODIUM BICARBONATE	\$12.63	\$12.63
539453	Flinn Scientific, Inc.	Eastlake High School	8	RQ17017956	1	ea	Hazard Fee	\$21.75	\$21.75
539454	Home Depot	National City Middle School	1	RQ17016391	4	ea	Husky steel tall garage Cabinet SKU #1001509635, Model # G3602T-US, Internet #206288227	\$289.00	\$1,156.00
539454	Home Depot	National City Middle School	1	RQ17016391	1	ea	Delivery fee for curbside. Cabinets are 6 feet tall and 124 lbs each	\$99.00	\$99.00
539456	City Of Chula Vista	Student Support Services	1	RQ17017853	1	lot	Police Services for 2016-17 Graduation/Promotion Exercises as follows: 5/30/17, 5/31/17, 6/1/17 & 6/2/17. Board Approved on: Dec. 12, 2016, Item: H-4.	\$10,000.00	\$10,000.00
539457	A&A Flooring	Maintenance	1	RQ17017374	1	job	Provide material and labor to remove carpet and install new VCT including rubber base for Olympian High School; room 408.	\$3,771.75	\$3,771.75
539458	Allied Waste Systems, Inc.	Maintenance	1	RQ17017963	1	lot	Recycling and rubbish removal services at 642 Arizona St., Chula Vista, CA 91911	\$10,000.00	\$10,000.00
539459	Perez, Humberto	Central Receiving	1	RQ17016935	1	ea	Training Lad-Use of Force Training System, incl Win Pro, 5.1 Surround Sound capable (2 speakers incl), 22' Flat Panel, Keyboard & mouse, Senario creation software, Self-calibrating, 450+ native senarios preloaded, Skill builder shooting drills in graphic applications pre loaded. 1yr warranty.	\$4,000.00	\$4,000.00
539459	Perez, Humberto	Central Receiving	2	RQ17016935	1	lot	1 Day Setup and Training	\$1,600.00	\$1,600.00
539460	Robotics Education & Competition Foundation, Inc.	Chula Vista Middle School	1	RQ17017664	1	Lot	VRC 2017-2018: In the Zone, Registration for Team Number 35013A, SEASON - 119 , 2017-2018 BRC Welcome Kit , 276-5373 x 1	\$150.00	\$150.00

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539460	Robotics Education & Competition Foundation, Inc.	Chula Vista Middle School	2	RQ17017664	1	Lot	VRC 2017-2018: In the Zone, Registration for Team Number 35013B, SEASON - 119A, 2017-2018 BRC Welcome Kit , 276-3938 x 1	\$100.00	\$100.00
539460	Robotics Education & Competition Foundation, Inc.	Chula Vista Middle School	3	RQ17017664	1	Lot	VRC 2017-2018: In the Zone, Registration for Team Number 35013C, SEASON-119A, 2017-2018 BRC Welcome Kit 276-3938 x1	\$100.00	\$100.00
539461	Huntington Hardware Co., Inc.	Business Services	1	RQ17017248	6	each	*SCL9456P-06N-626	\$330.89	\$1,985.31
539461	Huntington Hardware Co., Inc.	Business Services	2	RQ17017248	4	EACH	SAR12-43-8810-F-32D UL RIM EXIT 3' SAT STAINLESS STEEL	\$560.00	\$2,240.00
539462	Carolina Biological Supply Co	Eastlake High School	1	RQ17017955	1	EA	PHENOLPHTHALEIN 5% 500ml	\$6.61	\$6.61
539462	Carolina Biological Supply Co	Eastlake High School	2	RQ17017955	1	EA	SODIUM HYDROXIDE BEADS 500g	\$7.74	\$7.74
539462	Carolina Biological Supply Co	Eastlake High School	3	RQ17017955	2	BX	FOOD COLORING SET (4 COLORS) BOX OF 4	\$4.95	\$9.90
539462	Carolina Biological Supply Co	Eastlake High School	4	RQ17017955	1	EA	ALBUMIN 100g	\$13.72	\$13.72
539462	Carolina Biological Supply Co	Eastlake High School	5	RQ17017955	1	EA	BIURET REAGENT 500mL	\$6.43	\$6.43
539462	Carolina Biological Supply Co	Eastlake High School	6	RQ17017955	1	EA	STARCH 1% AQUEOUS, LABORATORY GRADE, 1 L	\$15.70	\$15.70
539462	Carolina Biological Supply Co	Eastlake High School	7	RQ17017955	1	EA	IODINE-POTASSIUM IODIDE SOLUTION 500mL	\$8.82	\$8.82
539462	Carolina Biological Supply Co	Eastlake High School	8	RQ17017955	10	EA	RED SPIRIT-FILLED TOTAL IMMERSION 12in THERMOMETER	\$5.08	\$50.80
539462	Carolina Biological Supply Co	Eastlake High School	9	RQ17017955	1	EA	PETROLATUM, LABORATORY GRADE, 500g	\$11.88	\$11.88
539462	Carolina Biological Supply Co	Eastlake High School	10	RQ17017955	1	PACK	PETRISTICKERS, 32-SQUARE GRID, 3', PACK OF 36	\$42.52	\$42.52
539462	Carolina Biological Supply Co	Eastlake High School	11	RQ17017955	1	CS	PETRI DISHES, POLYSTYRENE, DISPOSABLE, STERILE, 150 x 15 mm, CASE OF 100	\$70.29	\$70.29
539463	Sureride Charter Inc.	State & Federal Programs	1	RQ17017735	1	Lot	Charter bus service to Disneyland/Disneyland Drive Anaheim, CA on May 22, 2017.	\$1,328.70	\$1,328.70
539464	Nevertardy Transit, LLC	Castle Park High School	1	RQ17017067	1	Lot	Charter bus service from CPH to UCSD on May 20th, 2017.	\$795.00	\$795.00
539465	B&H Photo	National City Middle School	1	RQ17016459	1	ea	Cannon PowerShot ELPH 180 Digital Camera SLVR/Reg	\$119.00	\$119.00
539465	B&H Photo	National City Middle School	1	RQ17016459	1	ea	Sony Cyber-shot DSC -W830 Digital Still Camera (Silver/Reg)	\$118.00	\$118.00

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539466	School's In, LLC	Castle Park High School	1	RQ17017102	80	EA	200 Series Premium Folding Chair - Red	\$16.95	\$1,356.00
539467	B&H Photo	Sweetwater High School	1	RQ17016724	1	ea	Gator Cases Frameworks standars Tripod LCD/LED Stand	\$69.99	\$69.99
539467	B&H Photo	Sweetwater High School	2	RQ17016724	1	ea	VIZIO D43 D-Series 43' class 1080p Smart Full Array LED TV	\$349.00	\$349.00
539467	B&H Photo	Sweetwater High School	3	RQ17016724	1	ea	VIZIO TXCH4X-B3 Ultra Slim HDMI Cable (Free with purchase of VID43D2)	\$0.00	\$0.00
539468	Terry Shaw Painting	Maintenance	1	RQ17017163	1	job	Provide material and labor to paint the exterior of Montgomery Adult School during perior June 5, 2017 through June 30, 2017.	\$32,000.00	\$32,000.00
539469	A.J. Fistes Corporation	Maintenance	1	RQ17017153	1	job	Provide material and labor for painting projects for Hilltop High School during the period June 5, 2017 through July 7, 2017.	\$348,300.00	\$348,300.00
539470	B&H Photo	Central Receiving	1	RQ17014586	1	Each	Sony HDR-AS50 Full HD Action Cam with RM-LVR3 Live-View Remote	\$341.04	\$341.04
539470	B&H Photo	Central Receiving	2	RQ17014586	1	Each	Joby GorillaPod Action Tripod with GoPro Mount	\$38.22	\$38.22
539470	B&H Photo	Central Receiving	4	RQ17014586	2	Each	GoPro Rechargeable Battery for HERO3 and HERO3+	\$19.59	\$39.18
539470	B&H Photo	Central Receiving	5	RQ17014586	2	Each	GoPro Dual Battery Charger for HERO3+/HERO3	\$22.00	\$44.00
539470	B&H Photo	Central Receiving	6	RQ17014586	2	Each	Watson NP-BX1 Lithium Ion Battery Pack (3.6V, 1150mAh)	\$15.99	\$31.98
539470	B&H Photo	Central Receiving	7	RQ17014586	2	Each	Watson Compact AC/DC Charger for NP-BX1 Battery	\$15.96	\$31.92
539471	CDW Government, Inc.	Bonita Vista High School	1	RQ17016926	1	ea	Ergotron Workfit-T Sit/Stand desktop station	\$418.17	\$418.17
539472	Decker Inc.	San Ysidro High School	1	RQ17016927	48	Ea	Standard Steel Folding Chair Beige Color	\$16.05	\$770.40
539472	Decker Inc.	San Ysidro High School	2	RQ17016927	48	Ea	Standard Steel Folding CHair Black Color	\$16.05	\$770.40
539472	Decker Inc.	San Ysidro High School	3	RQ17016927	48	Ea	Vinyl Padded Folding Chair	\$23.78	\$1,141.44
539472	Decker Inc.	San Ysidro High School	4	RQ17016927	24	Ea	Heavy Duty Rectangular Blow Molded Table - 30inx72in	\$67.55	\$1,621.20
539473	Solcon, Inc.	Montgomery High School	1	RQ17017556	3	Ea	1703-27 Taping Sport Training Table W/ End Shelf 27' (2 packages) (Upholstery Color: Black 3BK)	\$417.00	\$1,251.00
539473	Solcon, Inc.	Montgomery High School	2	RQ17017556	3	Ea	9200-30 Style Line Treatment Table, Full Length Shelf, Flat Top, 30' Width (Laminate Color: Natural 1NT, Upholstery Color: Black 3BK)	\$437.72	\$1,313.16
539473	Solcon, Inc.	Montgomery High School	3	RQ17017556	3	Ea	10-1551 Theraband Exercise Band Dispenser with 30 Bands, 5', Yellow	\$140.87	\$422.61

Purchase Order Listing Detail

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539473	Solcon, Inc.	Montgomery High School	4	RQ17017556	3	Ea	10-1553 Theraband Exercise Band Dispenser with 30 Bands, 5', Green	\$158.03	\$474.09
539473	Solcon, Inc.	Montgomery High School	5	RQ17017556	3	Ea	10-1554 Therband Exercise Band Dispenser with 30 Bands, 5', Blue	\$170.61	\$511.83
539473	Solcon, Inc.	Montgomery High School	6	RQ17017556	3	Ea	10-1552 Theraband Exeercise Band Dispenser with 30 Bands, 5', Red	\$154.19	\$462.57
539473	Solcon, Inc.	Montgomery High School	7	RQ17017556	8	Ea	30-1901 Bosu Vestibular Dome with 0.5 Hour Video and Manual	\$148.88	\$1,191.04
539473	Solcon, Inc.	Montgomery High School	10	RQ17017556	1	ea	Buyer moved shipping here. Vendor charging tax on shipping per Acctg route slip/Inv 364705 53017 sg	\$1,476.29	\$1,476.29
539474	Culver-Newlin Inc	Bonita Vista Middle School	1	RQ17017522	10	ea	Item# 1780 S2 Armless, Nine to five Logic Chair High Back Sivel Tilt Control Armless, Fabric: 104 Dark Blue.NCEPC, Bid # 0117 and Quote: BON 95 32317, LAB LICENSE, PKG/100	\$199.31	\$1,993.10
539475	Flinn Scientific, Inc.	Mar Vista High School	1	RQ17015373	3	EA	PERIODIC TABLE LABELS	\$4.55	\$13.65
539475	Flinn Scientific, Inc.	Mar Vista High School	2	RQ17015373	3	EA	LABORATORY LABELS, 2.5 X 5 CM.	\$4.89	\$14.67
539475	Flinn Scientific, Inc.	Mar Vista High School	3	RQ17015373	2	EA	PROKARYOTES VS. EUKARYOTES	\$19.43	\$38.86
539475	Flinn Scientific, Inc.	Mar Vista High School	4	RQ17015373	1	EA	PLANT STAND, ECONOMY	\$39.14	\$39.14
539475	Flinn Scientific, Inc.	Mar Vista High School	5	RQ17015373	1	EA	FLUORESCENT LIGHT FIXTURE	\$144.29	\$144.29
539475	Flinn Scientific, Inc.	Mar Vista High School	6	RQ17015373	4	EA	COOL WHITE STANDARD BULB, 18'	\$84.79	\$339.16
539475	Flinn Scientific, Inc.	Mar Vista High School	7	RQ17015373	2	EA	GROLUX BULB, 18' , 15W	\$9.69	\$19.38
539475	Flinn Scientific, Inc.	Mar Vista High School	8	RQ17015373	1	EA	PLANT WARS STUDENT LABORATORY	\$15.17	\$15.17
539475	Flinn Scientific, Inc.	Mar Vista High School	9	RQ17015373	1	EA	PLANT SYMBIOSIS AND NITROGEN	\$28.43	\$28.43
539475	Flinn Scientific, Inc.	Mar Vista High School	10	RQ17015373	1	EA	POGIL ACTIVITIES FOR HIGH	\$69.57	\$69.57
539475	Flinn Scientific, Inc.	Mar Vista High School	11	RQ17015373	1	EA	POGIL ACTIVITIES FOR HIGH	\$50.36	\$50.36
539475	Flinn Scientific, Inc.	Mar Vista High School	12	RQ17015373	1	EA	HYDROPONICS EXPERIMENT	\$50.36	\$50.36
539475	Flinn Scientific, Inc.	Mar Vista High School	13	RQ17015373	1	EA	NUTRIENT DEFICIENCY IN PLANTS	\$87.93	\$87.93
539475	Flinn Scientific, Inc.	Mar Vista High School	14	RQ17015373	1	EA	PHOTOSYNTHESIS IN LEAF DISK	\$56.70	\$56.70
539475	Flinn Scientific, Inc.	Mar Vista High School	15	RQ17015373	1	EA	PHOTOSYNTHESIS OF THE LEAF DISK	\$50.36	\$50.36
539475	Flinn Scientific, Inc.	Mar Vista High School	16	RQ17015373	1	EA	ARTIFICIAL SELECTION ADVANCED	\$13.52	\$13.52
539475	Flinn Scientific, Inc.	Mar Vista High School	17	RQ17015373	1	EA	CARTESIAN DIVER CONSTRUCTION	\$76.46	\$76.46
539475	Flinn Scientific, Inc.	Mar Vista High School	18	RQ17015373	2	EA	HOW A FOOD WEB IS FORMED	\$26.95	\$53.90
539475	Flinn Scientific, Inc.	Mar Vista High School	19	RQ17015373	1	EA	HABITAT HOLD 'EM - SUPER	\$48.32	\$48.32
539475	Flinn Scientific, Inc.	Mar Vista High School	20	RQ17015373	1	EA		\$34.38	\$34.38

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539475	Flinn Scientific, Inc.	Mar Vista High School	21	RQ17015373	3	EA	HABITAT HOLD 'EM CARD DECK	\$4.42	\$13.26
539475	Flinn Scientific, Inc.	Mar Vista High School	22	RQ17015373	1	EA	CHEMDECK CARD GAMES - STUDENT	\$40.67	\$40.67
539475	Flinn Scientific, Inc.	Mar Vista High School	23	RQ17015373	1	EA	CODON BINGO SUPER VALUE GAME	\$14.92	\$14.92
539475	Flinn Scientific, Inc.	Mar Vista High School	24	RQ17015373	4	EA	DNA REPLICATION/TRANSCRIPTION	\$50.58	\$202.32
539475	Flinn Scientific, Inc.	Mar Vista High School	25	RQ17015373	1	EA	GAS LAWS PUZZLE ACTIVITY KIT	\$20.10	\$20.10
539475	Flinn Scientific, Inc.	Mar Vista High School	26	RQ17015373	1	EA	GO WIRELESS HEART RATE	\$93.00	\$93.00
539475	Flinn Scientific, Inc.	Mar Vista High School	27	RQ17015373	1	EA	CATALASE INVESTIGATION WITH	\$86.57	\$86.57
539476	Moore Medical LLC	Sweetwater High School	1	RQ17015480	1	EA	ADHESIVE REMOVER WIPES	\$5.24	\$5.24
539476	Moore Medical LLC	Sweetwater High School	2	RQ17015480	1	EA	ANTISEP HND SNTZ W/ALOE .9 ORM	\$12.21	\$12.21
539476	Moore Medical LLC	Sweetwater High School	3	RQ17015480	2	EA	hEATING PAD DYR #50	\$15.16	\$30.32
539476	Moore Medical LLC	Sweetwater High School	4	RQ17015480	1	CS	BANDAGE FLEX FABRIC	\$45.42	\$45.42
539476	Moore Medical LLC	Sweetwater High School	5	RQ17015480	1	EA	STI ANATOMICAL CHART	\$19.18	\$19.18
539476	Moore Medical LLC	Sweetwater High School	6	RQ17015480	1	EA	FEMALE REPRO SYSTEM CHART	\$19.18	\$19.18
539476	Moore Medical LLC	Sweetwater High School	7	RQ17015480	1	EA	MALE REPRO SYSTEM CHART	\$19.18	\$19.18
539476	Moore Medical LLC	Sweetwater High School	8	RQ17015480	2	EA	CITRUS II AIR FRAGRANCE ORM	\$10.08	\$20.16
539476	Moore Medical LLC	Sweetwater High School	9	RQ17015480	1	EA	FUEL CHARGE	\$0.71	\$0.71
539476	Moore Medical LLC	Sweetwater High School	10	RQ17015480	1	LOT	ADDTNL TAX NC - 8.75%	\$0.85	\$0.85
539477	Aristotle Corporation	Hilltop High School	1	RQ17015058	12	EA	COORDINATE X & GRAPH MAKER	\$11.04	\$132.48
539477	Aristotle Corporation	Hilltop High School	2	RQ17015058	2	EA	GRAPH ITS	\$11.01	\$22.02
539477	Aristotle Corporation	Hilltop High School	3	RQ17015058	1	EA	SPRAY EXPO	\$7.44	\$7.44
539477	Aristotle Corporation	Hilltop High School	4	RQ17015058	10	EA	PATTY PAPER	\$6.38	\$63.80
539477	Aristotle Corporation	Hilltop High School	5	RQ17015058	20	EA	RULERS	\$7.23	\$144.60
539477	Aristotle Corporation	Hilltop High School	6	RQ17015058	6	EA	SCIENTIFIC CALCULATOR	\$126.65	\$759.90
539477	Aristotle Corporation	Hilltop High School	7	RQ17015058	4	EA	CALCULATOR CADDY	\$41.61	\$166.44
539477	Aristotle Corporation	Hilltop High School	8	RQ17015058	1	EA	MATH POSTER SET	\$24.23	\$24.23
539478	Demco Inc.	National City Middle School	1	RQ17015764	1	EA	Premium Book Tape Value Pack	\$53.12	\$53.12
539478	Demco Inc.	National City Middle School	1	RQ17015764	6	EA	Book Clip Shelf Display	\$7.05	\$42.28
539478	Demco Inc.	National City Middle School	1	RQ17015764	1	EA	Fine tip black sharpie markers pkg	\$17.97	\$17.97
539478	Demco Inc.	National City Middle School	1	RQ17015764	1	EA	Grip Retractable Gel Pens-Black Color	\$8.28	\$8.28
539478	Demco Inc.	National City Middle School	1	RQ17015764	1	EA	Retractable Ballpoint Pens-Black Color	\$4.67	\$4.67

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539478	Demco Inc.	National City Middle School	6	RQ17015764	1	lot	National City Sales Tax Adjustment 8.75%	\$0.63	\$0.63
539479	Latino Family Literacy Project (The)	Montgomery High School	1	RQ17015784	1	lot	MIDDLE/HIGHT SCHOOL PROGRAM (COLLEGE AWARENESS) Books, materials, curriculum for Literacy Workshop being held on 5/22/17.	\$600.00	\$600.00
539480	Information Management Services, LLC	Transportation	1	RQ17015894	40	pk	Red 10mil military laminating pouches-100 pk	\$22.99	\$919.60
539480	Information Management Services, LLC	Transportation	2	RQ17015894	40	pk	10mil military 2-5/8' x 3-7/8' laminating pouches-100 pk	\$10.75	\$430.00
539481	Cerebellum Corporation	Bonita Vista Middle School	1	RQ17015698	1	EA	THE AMERICAN EXPERIENCE SERIES (18 VOL. SET)	\$139.90	\$139.90
539481	Cerebellum Corporation	Bonita Vista Middle School	2	RQ17015698	1	EA	THE INDUSTRIAL REVOLUTION	\$14.98	\$14.98
539481	Cerebellum Corporation	Bonita Vista Middle School	3	RQ17015698	1	EA	AFTERSHOCK: BEYOND THE CIVIL WAR	\$9.98	\$9.98
539481	Cerebellum Corporation	Bonita Vista Middle School	4	RQ17015698	1	EA	AMERICA IN THE 1880'S	\$19.95	\$19.95
539481	Cerebellum Corporation	Bonita Vista Middle School	5	RQ17015698	1	EA	JUST THE FACTS: AMERICA'S DOCUMENTS OF THE FREEDOM SUPER PACK DVD	\$114.98	\$114.98
539481	Cerebellum Corporation	Bonita Vista Middle School	6	RQ17015698	1	EA	THE BOOK THEIF (WIDESCREEN)	\$14.98	\$14.98
539481	Cerebellum Corporation	Bonita Vista Middle School	7	RQ17015698	13	EA	FREE MARC RECORD- NO LOCAL HOLDINGS (#MARC-FREE)	\$0.00	\$0.00
539481	Cerebellum Corporation	Bonita Vista Middle School	8	RQ17015698	1	EA	PLAY IT OUT: TEXTING AND SEXTING (THINK BEFORE YOU HIT SEND)	\$149.95	\$149.95
539481	Cerebellum Corporation	Bonita Vista Middle School	9	RQ17015698	1	EA	PLAY IT OUT: DIGITAL DISTRACTIONS (HOW TO STAY SAFE, HEALTHY AND SANE)	\$149.95	\$149.95
539481	Cerebellum Corporation	Bonita Vista Middle School	10	RQ17015698	1	EA	MA0317, 20% OFF 4 DVDS	-\$85.97	-\$85.97
539482	Flinn Scientific, Inc.	Sweetwater High School	1	RQ17015973	8	ea	Flinn Digital Pocket Thermometer, Economy Choice	\$22.36	\$178.84
539482	Flinn Scientific, Inc.	Sweetwater High School	2	RQ17015973	9	ea	Butane Safety Lighter	\$6.84	\$61.58
539482	Flinn Scientific, Inc.	Sweetwater High School	3	RQ17015973	36	ea	Beakers, Borosilicate glass, 600-mL	\$3.60	\$129.44
539482	Flinn Scientific, Inc.	Sweetwater High School	4	RQ17015973	1	ea	Stearic Acid, Labaratory Grade, 500 g	\$15.90	\$15.90
539482	Flinn Scientific, Inc.	Sweetwater High School	5	RQ17015973	1	ea	Cetyl Alcohol, 500 g	\$22.91	\$22.91
539482	Flinn Scientific, Inc.	Sweetwater High School	6	RQ17015973	1	ea	Urea, 500 g	\$7.99	\$7.99
539482	Flinn Scientific, Inc.	Sweetwater High School	7	RQ17015973	2	ea	Magnesium metal ribbon, 12.5 g, Approx. 45 Feet	\$9.35	\$18.70
539482	Flinn Scientific, Inc.	Sweetwater High School	8	RQ17015973	8	ea	Ring Support, with Rod clamp, 4'	\$9.27	\$74.12

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539482	Flinn Scientific, Inc.	Sweetwater High School	9	RQ17015973	8	ea	Support Strand, Economy Choice	\$10.33	\$82.62
539482	Flinn Scientific, Inc.	Sweetwater High School	10	RQ17015973	35	ea	Stirring rods, glass	\$0.34	\$11.90
539482	Flinn Scientific, Inc.	Sweetwater High School	11	RQ17015973	8	ea	Forceps	\$1.90	\$15.23
539482	Flinn Scientific, Inc.	Sweetwater High School	12	RQ17015973	1	ea	Becker bottles, set of two	\$76.80	\$76.80
539482	Flinn Scientific, Inc.	Sweetwater High School	13	RQ17015973	1	ea	Labeling tape dispenser	\$80.62	\$80.62
539482	Flinn Scientific, Inc.	Sweetwater High School	14	RQ17015973	9	EA	The Heat Solution Instant handwarmer	\$6.89	\$61.97
539482	Flinn Scientific, Inc.	Sweetwater High School	15	RQ17015973	2	ea	Clay, Modeling, Assorted colors, 5lbs	\$17.43	\$34.85
539482	Flinn Scientific, Inc.	Sweetwater High School	16	RQ17015973	1	ea	Flinn STEM Design Challenge lab manual	\$106.25	\$106.25
539482	Flinn Scientific, Inc.	Sweetwater High School	17	RQ17015973	2	ea	Element O game	\$28.65	\$57.29
539482	Flinn Scientific, Inc.	Sweetwater High School	18	RQ17015973	1	ea	Whoosh Bottle - chemical demonstration kit	\$30.81	\$30.81
539482	Flinn Scientific, Inc.	Sweetwater High School	19	RQ17015973	1	ea	Cool Reaction- Chemical Demonstration kit	\$22.82	\$22.82
539482	Flinn Scientific, Inc.	Sweetwater High School	20	RQ17015973	1	ea	Bed of Nails - Demonstration kit	\$40.25	\$40.25
539482	Flinn Scientific, Inc.	Sweetwater High School	21	RQ17015973	2	ea	Student Timer, 12-pack	\$81.56	\$163.12
539482	Flinn Scientific, Inc.	Sweetwater High School	22	RQ17015973	1	ea	Coupon code FL7012	-\$25.00	-\$25.00
539482	Flinn Scientific, Inc.	Sweetwater High School	23	RQ17015973	1	ea	NC tax adj.	\$6.47	\$6.47
539483	Dick Blick Company	Eastlake High School	1	RQ17016073	1	EA	Short Lessons in Art History	\$19.49	\$19.49
539483	Dick Blick Company	Eastlake High School	2	RQ17016073	1	EA	Exercises & Activities for Short Lessons in Art History	\$19.49	\$19.49
539483	Dick Blick Company	Eastlake High School	3	RQ17016073	1	EA	You Should Know Series - 50 Art Movements	\$14.96	\$14.96
539483	Dick Blick Company	Eastlake High School	4	RQ17016073	1	EA	You Should Know Series - 50 Artists	\$14.96	\$14.96
539483	Dick Blick Company	Eastlake High School	5	RQ17016073	1	EA	You Should Know Series - 50 Contemporary Artists	\$14.96	\$14.96
539483	Dick Blick Company	Eastlake High School	6	RQ17016073	1	EA	You Should Know Series - 50 Paintings	\$14.96	\$14.96
539483	Dick Blick Company	Eastlake High School	7	RQ17016073	1	EA	You Should Know Series - 50 Portrait Paintings	\$14.96	\$14.96
539483	Dick Blick Company	Eastlake High School	9	RQ17016073	1	EA	You Should Know Series - Art Nouveau: 50 Works of Art	\$14.96	\$14.96
539483	Dick Blick Company	Eastlake High School	10	RQ17016073	1	EA	You Should Know Series - Impressionist: 50 Paintings	\$14.96	\$14.96
539483	Dick Blick Company	Eastlake High School	11	RQ17016073	1	EA	You Should Know Series - Pop Art: 50 Works of Art	\$14.96	\$14.96
539483	Dick Blick Company	Eastlake High School	12	RQ17016073	1	EA	You Should Know Series - Surrealism: 50 Works of Art	\$14.96	\$14.96
539483	Dick Blick Company	Eastlake High School	13	RQ17016073	12	EA	Blick Mixed-Media 18x24 Pads-12 pads with 30 sheets in each pad	\$11.35	\$136.20

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539483	Dick Blick Company	Eastlake High School	14	RQ17016073	4	EA	Strathmore 300 Series 11x14 Sketch Pads	\$6.68	\$26.72
539484	Fotodyne Ed. Services Div	Castle Park High School	1	RQ17016131	8	EA	Electrophoresis Chamber, Dual Cell	\$345.00	\$2,760.00
539485	Dick Blick Company	Rancho Del Rey Middle School		RQ17016163	7	ea	Crayola Tempra Black,, PAGE7	\$2.86	\$20.02
539485	Dick Blick Company	Rancho Del Rey Middle School		RQ17016163	6	ea	Crayola Tempra Green, PAGE7	\$2.86	\$17.16
539485	Dick Blick Company	Rancho Del Rey Middle School		RQ17016163	9	ea	Crayola Tempra Orange, PAGE7	\$2.86	\$25.74
539485	Dick Blick Company	Rancho Del Rey Middle School		RQ17016163	6	ea	Crayola Tempra Yellow, PAGE7	\$2.86	\$17.16
539485	Dick Blick Company	Rancho Del Rey Middle School		RQ17016163	2	ea	STRATHMORE MATT BOARD WHITE, PAGE 224	\$7.71	\$15.42
539485	Dick Blick Company	Rancho Del Rey Middle School		RQ17016163	2	ea	STRATHMORE MATT BOARD BLACK, PAGE 224	\$8.90	\$17.80
539485	Dick Blick Company	Rancho Del Rey Middle School		RQ17016163	2	ea	MORI GLUE, 20 BOTTLES, PAGE 548	\$31.49	\$62.98
539485	Dick Blick Company	Rancho Del Rey Middle School		RQ17016163	2	ea	COLORED COPPERWIRE, 22 GAUGE, PAGE 427	\$5.54	\$11.08
539485	Dick Blick Company	Rancho Del Rey Middle School		RQ17016163	1	ea	BLICK PAINTERS TAPE, 1'X60YRD, PAGE 543	\$5.51	\$5.51
539485	Dick Blick Company	Rancho Del Rey Middle School		RQ17016163	45	ea	BLICK ALUMINUM RULER, 18', PAGE 345	\$1.67	\$75.15
539486	Patterson Medical Supply, Inc	Mar Vista High School	1	RQ17016192	1	CS	MED PLASTIC STRIP 3/4' 1500/CS	\$40.68	\$40.68
539486	Patterson Medical Supply, Inc	Mar Vista High School	2	RQ17016192	1	CS	PLASTIC STRIP 1' 1500/CS	\$46.97	\$46.97
539486	Patterson Medical Supply, Inc	Mar Vista High School	3	RQ17016192	3	EA	COVERLET 4-WINGS 3'X3'/50	\$12.20	\$36.60
539486	Patterson Medical Supply, Inc	Mar Vista High School	4	RQ17016192	3	EA	COVERLET PATCH 2X3 BEIERS 0340	\$7.70	\$23.10
539486	Patterson Medical Supply, Inc	Mar Vista High School	5	RQ17016192	1	EA	MEDCO POLY ICE BAGS 1500/RL	\$85.56	\$85.56
539486	Patterson Medical Supply, Inc	Mar Vista High School	6	RQ17016192	1	EA	MUELLER ICE BAG DISPENSER	\$23.93	\$23.93
539486	Patterson Medical Supply, Inc	Mar Vista High School	7	RQ17016192	4	CS	KIT-SIZE INSTA COLD PACK, CS/50	\$36.77	\$147.08
539486	Patterson Medical Supply, Inc	Mar Vista High School	8	RQ17016192	2	CS	PEROXIDE CASE (12 16.OZ BTL) M	\$12.12	\$24.24
539486	Patterson Medical Supply, Inc	Mar Vista High School	9	RQ17016192	1	EA	NITROTAN 8 OZ./EA	\$22.49	\$22.49
539486	Patterson Medical Supply, Inc	Mar Vista High School	10	RQ17016192	8	EA	MEDI-QUIK SPRAY 3OZ. PUMP SPRAY	\$6.42	\$51.36
539486	Patterson Medical Supply, Inc	Mar Vista High School	11	RQ17016192	3	BX	VALUELASTIC ELASTIC BANDAGE 2'X5 BOX/10	\$6.85	\$20.55

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539486	Patterson Medical Supply, Inc	Mar Vista High School	12	RQ17016192	3	BX	VALUELASTIC ELASTIC BANDAGE 3'X5 BX/10	\$9.40	\$28.20
539486	Patterson Medical Supply, Inc	Mar Vista High School	13	RQ17016192	1	EA	BANDAGE SCI, 5 1/2, SS LISTER	\$4.72	\$4.72
539486	Patterson Medical Supply, Inc	Mar Vista High School	14	RQ17016192	2	EA	BANDAGE SCI 7 1/2, SS LISTER/E	\$1.78	\$3.56
539486	Patterson Medical Supply, Inc	Mar Vista High School	15	RQ17016192	8	EA	TRIPLE ANTIBIOTIC OINT 1 OZ.	\$4.13	\$33.04
539486	Patterson Medical Supply, Inc	Mar Vista High School	16	RQ17016192	2	PK	BLISTER PADS 2-3/4' X 1-3/4' 25/PKG	\$12.80	\$25.60
539486	Patterson Medical Supply, Inc	Mar Vista High School	17	RQ17016192	5	EA	GAUZE PAD 3X3 ECON STRL/100 BO	\$7.78	\$38.90
539486	Patterson Medical Supply, Inc	Mar Vista High School	18	RQ17016192	3	EA	GAUZE PAD 4X4 ECON STRL/100 BO	\$12.80	\$38.40
539486	Patterson Medical Supply, Inc	Mar Vista High School	19	RQ17016192	1	EA	SKIN LUBE 1 LB JAR	\$11.27	\$11.27
539486	Patterson Medical Supply, Inc	Mar Vista High School	20	RQ17016192	1	EA	HEEL AND LACE PADS, RL OF 2000	\$27.25	\$27.25
539486	Patterson Medical Supply, Inc	Mar Vista High School	21	RQ17016192	1	EA	AURELIA PWDRFREE GLVS MD 100BX	\$4.82	\$4.82
539486	Patterson Medical Supply, Inc	Mar Vista High School	22	RQ17016192	1	EA	AURELIA PWDRFREE GLVS LG 100BX	\$4.82	\$4.82
539486	Patterson Medical Supply, Inc	Mar Vista High School	23	RQ17016192	1	EA	COTTON ROLLS, 50 PER ROLL	\$0.54	\$0.54
539486	Patterson Medical Supply, Inc	Mar Vista High School	24	RQ17016192	1	CS	MMEDCO WRAP 6' W/HANDLE 6/CASE	\$29.52	\$29.52
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	24	LOT	CrayPas DilPasterl, BLUE PAGE 288	\$0.44	\$10.56
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	24	LOT	CrayPas DilPasterl, GREEN PAGE 288	\$0.44	\$10.56
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	24	LOT	CrayPas DilPasterl, PALE BLUE PAGE 288	\$0.44	\$10.56
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	24	LOT	CrayPas DilPasterl, PALE ORANGE PAGE 288	\$0.44	\$10.56
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	24	LOT	CrayPas DilPasterl, yellow PAGE 288	\$0.44	\$10.56
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	24	LOT	CrayPas DilPasterl, GREEN yellow PAGE 288	\$0.44	\$10.56
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	1	LOT	BLICK SULFITE PAPER 12X18, WHITE PAGE 198	\$16.73	\$16.73
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	2	LOT	BLICK SULFITE PAPER 9X12, WHITE PAGE 198	\$8.36	\$16.72
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	8	LOT	BLICK CONSTRUCTION BLACK PAGE 209	\$2.23	\$17.84
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	80	lot	Blick glue stick 1.41oz purple pag 550	\$0.74	\$59.20

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539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	24	LOT	ELMERS GLUE ALL 16oz page 551	\$1.80	\$43.20
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	9	LOT	CAROYPLA TEMPERA 16OZ Violet page 7	\$2.86	\$25.74
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	11	LOT	CAROYPLA TEMPERA 16OZ BLUE page 7	\$2.86	\$31.46
539487	Dick Blick Company	Rancho Del Rey Middle School		RQ17016262	6	LOT	CAROYPLA TEMPERA 16OZ magenta page 7	\$2.86	\$17.16
539488	Therapro, Inc.	Special Services	1	RQ17016105	2	ea	PEDIATRIC UTENSIL HOLDER	\$7.49	\$14.98
539488	Therapro, Inc.	Special Services	2	RQ17016105	1	ea	Scoop Dish	\$9.99	\$9.99
539489	Lakeshore Learning Materials	Special Services	1	RQ17016177	1	ea	Lakeshore Easy-Grip Sponge Painters - Numbers	\$12.34	\$12.34
539490	Molly Hawkins' House, Inc.	Olympian High School	1	RQ17015844	6	Each	Drawing paper 117# 18 x 24 (100)	\$26.88	\$161.28
539490	Molly Hawkins' House, Inc.	Olympian High School	2	RQ17015844	6	Each	Drawing paper 97# 18x24 (100)	\$24.15	\$144.90
539490	Molly Hawkins' House, Inc.	Olympian High School	3	RQ17015844	4	Each	Tagboard 150# white 18 x 24 (100)	\$31.19	\$124.76
539490	Molly Hawkins' House, Inc.	Olympian High School	4	RQ17015844	1	Each	White charcoal paper 17 x 23 (100)	\$26.17	\$26.17
539490	Molly Hawkins' House, Inc.	Olympian High School	5	RQ17015844	1	Each	Charcoal gray 17 x 23 100 sheets	\$26.17	\$26.17
539490	Molly Hawkins' House, Inc.	Olympian High School	8	RQ17015844	12	Each	Art roll black 48' x 50'	\$15.90	\$190.80
539490	Molly Hawkins' House, Inc.	Olympian High School	9	RQ17015844	2	Each	Art roll brite blue 48' x 50'	\$15.90	\$31.80
539490	Molly Hawkins' House, Inc.	Olympian High School	10	RQ17015844	2	Each	Art roll brite purple 48' x 50'	\$15.90	\$31.80
539490	Molly Hawkins' House, Inc.	Olympian High School	12	RQ17015844	2	Each	Art roll emerald 48' x 50'	\$15.90	\$31.80
539490	Molly Hawkins' House, Inc.	Olympian High School	13	RQ17015844	2	Each	Art roll festive red 48' x 50' 50 lb.	\$15.90	\$31.80
539490	Molly Hawkins' House, Inc.	Olympian High School	14	RQ17015844	2	Each	Art roll magenta 48' x 50'	\$15.90	\$31.80
539490	Molly Hawkins' House, Inc.	Olympian High School	15	RQ17015844	2	Each	Art roll orange 48' x 50'	\$15.90	\$31.80
539490	Molly Hawkins' House, Inc.	Olympian High School	16	RQ17015844	2	Each	Art roll royal blue 48' x 50'	\$15.90	\$31.80
539490	Molly Hawkins' House, Inc.	Olympian High School	17	RQ17015844	12	Each	Art roll teal 48' x 50'	\$15.90	\$190.80
539490	Molly Hawkins' House, Inc.	Olympian High School	18	RQ17015844	2	Each	Art roll violet 48' x 50'	\$15.90	\$31.80

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539490	Molly Hawkins' House, Inc.	Olympian High School	19	RQ17015844	2	Each	Art roll yellow 48' x 50'	\$15.90	\$31.80
539490	Molly Hawkins' House, Inc.	Olympian High School	20	RQ17015844	2	Each	Molly's acrylics 24-set 16 oz	\$99.99	\$199.98
539490	Molly Hawkins' House, Inc.	Olympian High School	21	RQ17015844	2	Each	Molly mix 24 half gallons	\$269.90	\$539.80
539490	Molly Hawkins' House, Inc.	Olympian High School	22	RQ17015844	6	Each	Molly's india ink 32 oz (quart)	\$11.49	\$68.94
539490	Molly Hawkins' House, Inc.	Olympian High School	23	RQ17015844	24	Each	Sharpie fine point black (12)	\$9.06	\$217.44
539490	Molly Hawkins' House, Inc.	Olympian High School	24	RQ17015844	24	Each	Sharpie ultra fine black (12)	\$9.06	\$217.44
539490	Molly Hawkins' House, Inc.	Olympian High School	25	RQ17015844	2	Each	Masters brush cleaner (24 oz.)	\$19.49	\$38.98
539490	Molly Hawkins' House, Inc.	Olympian High School	26	RQ17015844	24	Each	Generic knives,blades,caps (12)	\$16.80	\$403.20
539490	Molly Hawkins' House, Inc.	Olympian High School	27	RQ17015844	80	Each	Taklon set brown (5)	\$1.39	\$111.20
539490	Molly Hawkins' House, Inc.	Olympian High School	28	RQ17015844	40	Each	Sterling 4 -pc ang. 1/8, 1/4, 3/16	\$1.39	\$55.60
539490	Molly Hawkins' House, Inc.	Olympian High School	29	RQ17015844	24	Each	16-oz empty bottle	\$0.86	\$20.64
539490	Molly Hawkins' House, Inc.	Olympian High School	30	RQ17015844	4	Each	Factis vinyl eraser white (20)	\$12.87	\$51.48
539490	Molly Hawkins' House, Inc.	Olympian High School	31	RQ17015844	24	Each	Pink pearl eraser large	\$7.09	\$170.16
539490	Molly Hawkins' House, Inc.	Olympian High School	32	RQ17015844	40	Each	Paint palette 10-well 6.75'	\$0.57	\$22.80
539490	Molly Hawkins' House, Inc.	Olympian High School	33	RQ17015844	6	Each	Krylon acrylic crystal clear	\$4.79	\$28.74
539490	Molly Hawkins' House, Inc.	Olympian High School	34	RQ17015844	6	Each	Krylon workable fixatif (11 oz.)	\$4.89	\$29.34
539490	Molly Hawkins' House, Inc.	Olympian High School	35	RQ17015844	4	Each	Crayola 16 conical markers (256)	\$68.48	\$273.92
539490	Molly Hawkins' House, Inc.	Olympian High School	36	RQ17015844	24	Each	General charcoal pencil 2B med	\$9.40	\$225.60
539490	Molly Hawkins' House, Inc.	Olympian High School	37	RQ17015844	24	Each	General charcoal pencil 4B soft	\$9.40	\$225.60
539490	Molly Hawkins' House, Inc.	Olympian High School	38	RQ17015844	6	Each	Gelly roll pens metallics (10)	\$8.94	\$53.64
539490	Molly Hawkins' House, Inc.	Olympian High School	39	RQ17015844	30	Each	Muslin doll natural 14'	\$1.99	\$59.70

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539490	Molly Hawkins' House, Inc.	Olympian High School	40	RQ17015844	30	Each	Tote canvas natural 13. 5x3.25	\$2.49	\$74.70
539491	Dick Blick Company	Hilltop High School	1	RQ17016498	1	Ea.	Quart Utrecht Linseed Oil	\$11.45	\$11.45
539491	Dick Blick Company	Hilltop High School	2	RQ17016498	1	Ea.	32 oz. Citra Solv (Natural Citrus Cleaner)	\$19.11	\$19.11
539491	Dick Blick Company	Hilltop High School	3	RQ17016498	1	Ea.	Enviro Tex Lite (Varnish)	\$15.38	\$15.38
539491	Dick Blick Company	Hilltop High School	4	RQ17016498	1	Set	Neatness Mats	\$12.53	\$12.53
539491	Dick Blick Company	Hilltop High School	5	RQ17016498	1	Set	View Catcher	\$58.79	\$58.79
539491	Dick Blick Company	Hilltop High School	6	RQ17016498	24	Ea.	5' x 3' x 2' Oval Poly Sponge	\$1.12	\$26.88
539491	Dick Blick Company	Hilltop High School	7	RQ17016498	21	Ea.	Artist Chamois	\$3.64	\$76.44
539491	Dick Blick Company	Hilltop High School	8	RQ17016498	12	Ea.	Commercial Cellulose Sponge	\$2.00	\$24.00
539491	Dick Blick Company	Hilltop High School	9	RQ17016498	24	Ea.	Soft-Kut Printing Blocks 4 x 6	\$1.31	\$31.44
539491	Dick Blick Company	Hilltop High School	10	RQ17016498	13	Ea.	18 x 24 Single Pre-Cut Black Mat	\$6.74	\$87.62
539492	iDesign USA Corp.	CTE (formerly ROP)	1	RQ17017697	2	kit	Competition Field Perimeter Kit P/N: 278-1501	\$799.99	\$1,599.98
539492	iDesign USA Corp.	CTE (formerly ROP)	2	RQ17017697	2	kit	Competition Field Tile Kit P/N: 278-1502	\$229.99	\$459.98
539492	iDesign USA Corp.	CTE (formerly ROP)	3	RQ17017697	2	ea	Competition Field Monitor Stand P/N: 276-1572	\$39.99	\$79.98
539492	iDesign USA Corp.	CTE (formerly ROP)	4	RQ17017697	2	ea	Competition Field Corner Bracket (4-pack) P/N: 276-4604	\$39.99	\$79.98
539492	iDesign USA Corp.	CTE (formerly ROP)	5	RQ17017697	2	kit	VEXnet Field Controller Kit P/N: 275-1401	\$149.99	\$299.98
539492	iDesign USA Corp.	CTE (formerly ROP)	6	RQ17017697	4	ea	Field Perimeter Rubber Foot (20-pack) P/N: 276-5156	\$19.99	\$79.96
539492	iDesign USA Corp.	CTE (formerly ROP)	7	RQ17017697	4	kit	2017-2018 - VRC In the Zone (Full Field Kit). Includes all the elements required to play the 2017/18 VRC game	\$499.95	\$1,999.80
539493	Curriculum Associates, Inc	East Hills Academy	1	RQ17016261	75	each	Diagnostic and Instruction Math Licence per student (1year)	\$30.00	\$2,250.00
539493	Curriculum Associates, Inc	East Hills Academy	2	RQ17016261	75	each	Diagnostic and Instruction Reading Licence per student (1year)	\$30.00	\$2,250.00

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539494	Neuron Fuel, Inc.	Curriculum	1	RQ17017600	3	ea	Instructional materials and Lesson Plans for programming courses 201, 202, 301, 302, JavaScript 1, Python 1, Drones 101, and upcoming Lego Robotics course (Tynker.com/school/middle) - 6 cross-curricular STEM courses in English, Social Studies, Math, Physical Science, Life Science, and Earth Science - Automatic Student assessment and metrics dashboards - Premium creation tools - School administration console for teacher and student management - School metrics - This license expires June 30, 2018 and is for a single campus school with up to 400 students	\$2,600.00	\$7,800.00
539495	Refrigeration Supplies Distributor	Maintenance	1	RQ17017986	1	ea	cope zr57k3e-tfd-930 scroll compressor a/c r22 57k 45/130 460-3 sweat	\$652.32	\$652.32
539495	Refrigeration Supplies Distributor	Maintenance	2	RQ17017986	1	ea	ref r22 30# refrigerant hcfc r-22 30lb cylinder	\$725.00	\$725.00
539496	Refrigeration Supplies Distributor	Maintenance	1	RQ17017984	1	ea	cope zr57k3e-tfd-930 scroll compressor a/c r22 57k 45/130 460-3 sweat	\$652.32	\$652.32
539496	Refrigeration Supplies Distributor	Maintenance	2	RQ17017984	1	ea	ref r22 30# refrigerant hcfc r-22 30lb cylinder	\$725.00	\$725.00
539497	Refrigeration Supplies Distributor	Maintenance	1	RQ17017983	1	ea	cope zr68kce-tfd-930 scroll compressor a/c r22 68k 45/130 460-3 sweat	\$671.83	\$671.83
539497	Refrigeration Supplies Distributor	Maintenance	2	RQ17017983	1	ea	flow ek163s 3/8 odf 16 cu in liquid line drier	\$22.85	\$22.85
539497	Refrigeration Supplies Distributor	Maintenance	3	RQ17017983	1	ea	mars 61755 40a 2 pole 24 volt contactor w/lugs 45gg20ajl1	\$13.67	\$13.67
539497	Refrigeration Supplies Distributor	Maintenance	4	RQ17017983	1	ea	ref r22 30# refrigerant hcfc r-22 30lb cylinder	\$725.00	\$725.00
539498	Dynatronics Corp	CTE (formerly ROP)	1	RQ17017536	1	ea	Cando Vinyl-Coated Kettlebells, 5 lbs., Yellow	\$14.00	\$14.00
539498	Dynatronics Corp	CTE (formerly ROP)	2	RQ17017536	1	ea	Cando Vinyl-Coated Kettlebells, 7.5 lbs., Red	\$19.00	\$19.00
539498	Dynatronics Corp	CTE (formerly ROP)	3	RQ17017536	1	ea	Cando Vinyl-Coated Kettlebells, 10 lbs., Green	\$25.00	\$25.00
539498	Dynatronics Corp	CTE (formerly ROP)	4	RQ17017536	1	ea	Cando Vinyl-Coated Kettlebells, 15 lbs., Blue	\$35.00	\$35.00
539498	Dynatronics Corp	CTE (formerly ROP)	5	RQ17017536	1	ea	Cando Vinyl-Coated Kettlebells, 20 lbs., Black	\$45.00	\$45.00
539498	Dynatronics Corp	CTE (formerly ROP)	6	RQ17017536	1	ea	Cando Vinyl-Coated Kettlebells, 25 lbs., Silver	\$55.00	\$55.00

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539498	Dynatronics Corp	CTE (formerly ROP)	7	RQ17017536	1	ea	Cando Vinyl-Coated Kettlebells, 30 lbs., Gold	\$65.00	\$65.00
539498	Dynatronics Corp	CTE (formerly ROP)	8	RQ17017536	1	ea	Kettlebell Rack	\$225.00	\$225.00
539498	Dynatronics Corp	CTE (formerly ROP)	9	RQ17017536	2	ea	Fitter Slant Board	\$89.95	\$179.90
539498	Dynatronics Corp	CTE (formerly ROP)	10	RQ17017536	1	ea	DynaHeat Moist Hot Pack, Spinal, 10 in x 18 in	\$18.95	\$18.95
539498	Dynatronics Corp	CTE (formerly ROP)	11	RQ17017536	1	ea	DynaHeat Moist Hot Pack, Spinal, 10 in x 24 in	\$22.20	\$22.20
539498	Dynatronics Corp	CTE (formerly ROP)	12	RQ17017536	1	ea	DynaHeat Moist Hot Pack, Cervical, 24 in (l)	\$10.10	\$10.10
539498	Dynatronics Corp	CTE (formerly ROP)	13	RQ17017536	1	ea	DynaHeat Moist Hot Pack, Half-Size, 5 in x 12 in	\$8.25	\$8.25
539498	Dynatronics Corp	CTE (formerly ROP)	14	RQ17017536	1	ea	DynaHeat Moist Hot Pack, Myofascial, 23 in (l)	\$15.40	\$15.40
539498	Dynatronics Corp	CTE (formerly ROP)	15	RQ17017536	1	ea	DynaHeat Moist Hot Pack, Oversize, 15 in x 24 in	\$18.10	\$18.10
539498	Dynatronics Corp	CTE (formerly ROP)	16	RQ17017536	1	ea	DynaHeat Moist Hot Pack, Oversize, 15 in x 24 in. Case of 4	\$70.00	\$70.00
539498	Dynatronics Corp	CTE (formerly ROP)	17	RQ17017536	1	ea	DynaHeat Moist Hot Pack, Standard, 10 in x 12 in	\$9.25	\$9.25
539498	Dynatronics Corp	CTE (formerly ROP)	18	RQ17017536	6	ea	DynaHeat Standard-Size Terry Cover, 10 in x 28 in	\$22.65	\$135.90
539498	Dynatronics Corp	CTE (formerly ROP)	19	RQ17017536	6	ea	DynaHeatt Cervical Terry Cover, 9 in x 26 in	\$18.50	\$111.00
539498	Dynatronics Corp	CTE (formerly ROP)	20	RQ17017536	6	ea	DynaHeat Oversize Terry Cover, 24 in x 32 in	\$28.80	\$172.80
539498	Dynatronics Corp	CTE (formerly ROP)	21	RQ17017536	1	ea	Dynatronics Solaris Plus 709, 5 Ch. Stim/Ultrasound Unit	\$4,395.00	\$4,395.00
539498	Dynatronics Corp	CTE (formerly ROP)	22	RQ17017536	1	ea	Dynatron Soundhead, 5 cm for above Solaris Plus Unit	\$0.00	\$0.00
539498	Dynatronics Corp	CTE (formerly ROP)	23	RQ17017536	1	ea	Dynatron Solaris Plus Cart	\$510.00	\$510.00
539499	Marco's Canopies, Inc.	Information Technology	1	RQ17017549	1	Each	Complete canopy set up Includes: 1 5/8' frame , 12 fittings to build the frame , 8 foot pads 20' x 30' canopy tarp with valance and 4 sides1 end wall custom tarp , 2 side 7' x 30' walls (With windows) And 130 ties (ball bungees).	\$1,395.00	\$1,395.00
539499	Marco's Canopies, Inc.	Information Technology	2	RQ17017549	2	Each	Two Each 7' X 30' Silver side panels with Windows	\$165.00	\$330.00
539500	Grainger, Inc.	Southwest High School	1	RQ17016451	1	EACH	Plasticade Barricade Sign 'Do Not Enter'	\$69.72	\$69.72
539500	Grainger, Inc.	Southwest High School	2	RQ17016451	1	EACH	Condor Unisex Yellow Rainsuit	\$22.60	\$22.60

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539500	Grainger, Inc.	Southwest High School	3	RQ17016451	1	each	Ability One Visibility Vest	\$46.04	\$46.04
539500	Grainger, Inc.	Southwest High School	4	RQ17016451	1	each	Paddle Sign	\$21.56	\$21.56
539500	Grainger, Inc.	Southwest High School	5	RQ17016451	2	each	Traffic Barrel	\$55.64	\$111.28
539500	Grainger, Inc.	Southwest High School	6	RQ17016451	1	each	Collapsible Traffic Cone	\$170.00	\$170.00
539501	School Specialty, Inc.	East Hills Academy	1	RQ17017272	2		Beanbag chairs, color: blue	\$57.16	\$114.32
539502	Web Resource LLC	Special Services	1	RQ17017138	2		Virco ZROCK18 - ZUMA® 18' Rocker, (Virco ZROCK18), Color: Cobalt Blue	\$101.85	\$203.70
539503	Uline, Inc.	National City Adult School1		RQ17016979	8	each	Delxue stackable chair with armrests - fabric, burgundy	\$61.00	\$488.00
539503	Uline, Inc.	National City Adult School2		RQ17016979	1	Lot	Additional Sales Tax for National City, CA 91950	\$4.88	\$4.88
539504	Culver-Newlin Inc	Special Services	1	RQ17017872	6	ea.	See Quote - Scholarcraft Activity Table	\$120.35	\$722.10
539504	Culver-Newlin Inc	Special Services	2	RQ17017872	13	ea.	See Quote : Scholarcraft Student Chair : Black	\$47.56	\$618.28
539505	Varidesk, LLC	Human Resources Office	1	RQ17017817	1	Ea	The Mat 36	\$60.00	\$60.00
539505	Varidesk, LLC	Human Resources Office	2	RQ17017817	1	Ea	Duan Monitor Arm	\$195.00	\$195.00
539505	Varidesk, LLC	Human Resources Office	3	RQ17017817	1	Ea	CubCorner 36 (Black)	\$495.00	\$495.00
539506	AP by the Sea	San Ysidro High School	1	RQ17016535	1	Ea	AP Statistics Registration for Katherine Lopez	\$775.00	\$775.00
539506	AP by the Sea	San Ysidro High School	2	RQ17016535	1	Ea	AP Chemistry Registration for Gina Arias	\$775.00	\$775.00
539507	Myers-Stevens & Toohey & Co, Inc	Castle Park High School	1	RQ17017454	1	Lot	Short term accident insurance coverage. 20 participants x 3 calendar days x \$1.75 = \$405.00 Premium Due.	\$105.00	\$105.00
539508	Industrial Electronic Service, Ltd	Central Receiving	1	RQ17017949	1	ea	RF Wireless, countdown timer - 4.0	\$848.97	\$848.97
539509	B&H Photo	Central Receiving	1	RQ17016226	1	Each	SUNPAK DF3000 DIGITAL FLASH f/NIKON/REG	\$21.81	\$21.81
539509	B&H Photo	Central Receiving	2	RQ17016226	1	Each	IMPACT LUXBANX OCTA SOFTBOX - COMPACT/STUD	\$51.71	\$51.71
539509	B&H Photo	Central Receiving	3	RQ17016226	1	Each	EXPODISC ROGUE FLASHBENDER 2	\$39.15	\$39.15
539509	B&H Photo	Central Receiving	4	RQ17016226	3	Each	RFLCTR-LARGE WHITE/REG NIKON 35mm f/1.8G NIKKOR DX AFS LENS/USA	\$196.95	\$590.85
539509	B&H Photo	Central Receiving	5	RQ17016226	1	Each	DAVIS & SANFORD VISTA VOYAGER TRIPOD w/BHQ8 BALL/REG	\$48.88	\$48.88
539509	B&H Photo	Central Receiving	6	RQ17016226	1	Each	VELLO MINI SOFT BOX/STUD	\$6.00	\$6.00
539509	B&H Photo	Central Receiving	7	RQ17016226	1	Each	IMPACT LUXBANX GRID OCTA COMPACT/STUD	\$33.74	\$33.74

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539509	B&H Photo	Central Receiving	8	RQ17016226	3	Each	Camera Lens, TAMRON 16-300mm f/3.5 - 6.3 DI II VC PZD/NIKON/REG	\$549.00	\$1,647.00
539509	B&H Photo	Central Receiving	9	RQ17016226	3	Each	HOYA 52 mm ALPHA CIRCULAR POLARIZER FILTER REG	\$23.72	\$71.16
539509	B&H Photo	Central Receiving	10	RQ17016226	3	Each	TAMRON 70-300mm DI LD MACRO w/MOTOR f/NIK AF/REG	\$164.95	\$494.85
539510	Project Lead The Way, Inc.	Mar Vista High School	1	RQ17016222	2	PK	MARKERBOT LARGE 10 PACK	\$440.00	\$880.00
539511	Prime Sports Sales & Design	Castle Park High School	1	RQ17016919	10		FILAMENT BUNDLE: BUY 9, GET 10 Adidas Response Ear Guard (Red)	\$24.00	\$240.00
539511	Prime Sports Sales & Design	Castle Park High School	2	RQ17016919	10		Adidas Hair Cover- Black	\$13.20	\$132.00
539512	Prime Sports Sales & Design	Castle Park High School	1	RQ17016920	14		Adidas Response Ear Guard (Black)	\$24.00	\$336.00
539512	Prime Sports Sales & Design	Castle Park High School	2	RQ17016920	14		Adidas Hair Cover- Black	\$13.20	\$184.80
539513	B&H Photo	Central Receiving	1	RQ17017959	1	EA	CANON PIXMA PRO-100 PHOTO INKJET PRINTER/REG	\$379.99	\$379.99
539513	B&H Photo	Central Receiving	2	RQ17017959	1	EA	CANON PHOTO PAPER + SM-GLOSS 13X19' 50 SHTS/REG (FREE ITEM WHEN PURCHASED WITH CAPP100, DISCOUNT \$-49.99)	\$0.00	\$0.00
539513	B&H Photo	Central Receiving	3	RQ17017959	5	EA	SONY NPBN1 RECHARGBL BATTERY PACK (TYPE N)REG	\$31.95	\$159.75
539513	B&H Photo	Central Receiving	4	RQ17017959	5	EA	RUGGARD NP-210 NEOPRENE CAMERA POUCH/STUD	\$6.97	\$34.85
539513	B&H Photo	Central Receiving	5	RQ17017959	5	EA	SANDISK EXTREME 16GB SDHC U3 UHS-1 R90/W40MB/s/REG	\$11.54	\$57.70
539513	B&H Photo	Central Receiving	6	RQ17017959	5	EA	SONY DSC-W830 DIGITAL STILL CAMERA (SILVER) REG	\$118.00	\$590.00
539513	B&H Photo	Central Receiving	7	RQ17017959	3	EA	CANON PHOTO PAPER PLUS SM-GLOSS 8X10' 50 SHT/REG	\$21.49	\$64.47
539513	B&H Photo	Central Receiving	8	RQ17017959	3	EA	CANON SEMI-GLOSSY PAPER 4'X6'/50 BORDERLESS/REG	\$7.11	\$21.33
539513	B&H Photo	Central Receiving	9	RQ17017959	3	EA	CANON PHOTO PAPER PLUS SM-GLOSS 5X7' 20 SHTS/REG	\$6.99	\$20.97
539513	B&H Photo	Central Receiving	10	RQ17017959	2	PK	CANON CLI-42 INK CARTRIDGE 8 COLOR PACK/REG	\$124.99	\$249.98
539514	Accurate Label Designs, Inc.	Mar Vista High School	1	RQ17015880	6	RL	4X3 VISITOR ROLL LABELS	\$49.00	\$294.00
539515	Anderson Enterprises	Hilltop Middle School	1	RQ17016586	2	ea	10H-10C, Officiator with 10 Hand-held buttons in case Fed Express	\$275.00	\$550.00

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539516	DBQ Company (The)	Granger Junior High School		RQ17015619	3	EA	US Volume 1 Mini-Q Binder-e.v.ISBN:978-0-9885439-3-5	\$325.00	\$975.00
539516	DBQ Company (The)	Granger Junior High School	2	RQ17015619	3	EA	Mini-Qs in American History Vol 1 CLASS SET:Student Books (30) Includes (1) Teacher Resource Binder.	\$700.00	\$2,100.00
539516	DBQ Company (The)	Granger Junior High School	3	RQ17015619	2	EA	Geography Mini-Q BinderISBN:978-0-9862289-2-6	\$325.00	\$650.00
539516	DBQ Company (The)	Granger Junior High School	4	RQ17015619	2	EA	Mini-Qs in Geography CLASS SETISBN:978-0-9862289-3-3	\$700.00	\$1,400.00
539517	Home Depot	Southwest Middle School	1	RQ17017124	60	ea	Magnet Handi-Hook 20# PULL 1PC	\$2.98	\$178.80
539518	Goodheart-Willcox Publisher	Sweetwater High School	1	RQ17017604	40	ea	Student Health Textbook ISBN 9781635630381	\$119.97	\$4,798.80
539518	Goodheart-Willcox Publisher	Sweetwater High School	2	RQ17017604	1	ea	Free TE for Health textbook	\$0.00	\$0.00
539518	Goodheart-Willcox Publisher	Sweetwater High School	3	RQ17017604	1	lot	Free Online access for Student and Teacher 6 year email	\$0.00	\$0.00
539518	Goodheart-Willcox Publisher	Sweetwater High School	4	RQ17017604	1	lot	National City Additional tax	\$24.00	\$24.00
539519	Pearson Education, Inc.	Special Services	1	RQ17016907	4		WRAML2 Picture Memory Response Forms	\$64.00	\$256.00
539519	Pearson Education, Inc.	Special Services	2	RQ17016907	4		WRAMLS2 Design Memory Response Forms	\$50.00	\$200.00
539520	Perma-Bound Books	Bonita Vista High School	1	RQ17017679	100	ea	No Exit, and Three Other Plays paperback	\$11.06	\$1,106.00
539520	Perma-Bound Books	Bonita Vista High School	2	RQ17017679	97	ea	King Lear - Folger edition paperback	\$6.97	\$676.09
539521	Houghton Mifflin Harcourt Publishing Company	Hilltop Middle School	1	RQ17017678	50	ea	HMD BIEN DIT VOC/GRM WKBK SE L2 P.O. 532585 FREE WKBS Adopted Fall 2016.Free wkbs for 7 years	\$0.00	\$0.05
539521	Houghton Mifflin Harcourt Publishing Company	Hilltop Middle School	2	RQ17017678	80	EA	HMD BIEN DIT VOC/GRM WKBK SE L1A/1B/1 P.O. 532585 FREE WKBS Adopted Fall 2016.Free wkbs for 7 years	\$0.00	\$0.08
539522	Cengage Learning	Southwest High School	1	RQ17016658	35	EA	MILESTONES ELD 1/2 INTRO LEVEL WKBK W/ ASSESSMENT PRACTICE . . FREE REF po# 473251	\$0.00	\$0.00
539522	Cengage Learning	Southwest High School	2	RQ17016658	70	EA	MILESTONES ELD 3/4 BOOK 'A' LEVEL 3/4 WKBK .. FREE REF PO# 472689	\$0.00	\$0.01
539522	Cengage Learning	Southwest High School	3	RQ17016658	70	EA	MILESTONES ELD 5/6 BOOK 'B' LEVEL 5/6 WKBK .. FREE REF PO# 472744	\$0.00	\$0.00
539522	Cengage Learning	Southwest High School	4	RQ17016658	70	EA	MILESTONES ELD 7/8 BOOK 'C' LEVEL 7/8 WKBK .. FREE REF PO# 472771	\$0.00	\$0.00
539523	Wicks Educational Publishing, LLC	Hilltop Middle School	1	RQ17017669	175	ea	Free Workbooks Spanish: Que Chevere 1 Ref P.O. 532273 FREE WKBS FOR LIFE OF ADOPTION	\$0.00	\$0.02

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539523	Wicks Educational Publishing, LLC	Hilltop Middle School	2	RQ17017669	200	ea	Free Workbooks: Spanish: Que Chevere 2 Ref P.O. 532273 FREE WKBS FOR LIFE OF ADOPTION	\$0.00	\$0.00
539524	Wicks Educational Publishing, LLC	Hilltop Middle School	1	RQ17017682	175	ea	Free Workbooks: Spanish: Que Chevere 1. Ref P.O. 532273 FREE WKBS FOR LIFE OF ADOPTION	\$0.00	\$0.02
539524	Wicks Educational Publishing, LLC	Hilltop Middle School	2	RQ17017682	200	ea	Free Workbooks: Spanish: Que Chevere 2 Ref P.O. 532273 FREE WKBS FOR LIFE OF ADOPTION	\$0.00	\$0.00
539525	Barnes & Noble Booksellers, USA Inc.	Palomar High School	1	RQ17015979	20	ea	Thirteen Reasons Why	\$8.79	\$175.80
539526	Barnes & Noble Booksellers, USA Inc.	Bonita Vista High School	1	RQ17017821	2	ea	AP U.S. Government & Politics Crash Course (REA)	\$14.40	\$28.80
539526	Barnes & Noble Booksellers, USA Inc.	Bonita Vista High School	2	RQ17017821	2	ea	5 Steps to a 5: AP U.S. Government & Politics 2017	\$11.96	\$23.92
539527	Prophet Corporation (The)	Southwest Middle School	1	RQ17017961	1	EA	CALIFONE PA419 BLUETOOTH PA SYSTEM	\$989.10	\$989.10
539527	Prophet Corporation (The)	Southwest Middle School	2	RQ17017961	1	EA	RAINBOW ALLEYOOP GOAL - 6', SET OF 6	\$1,357.03	\$1,357.03
539528	Wicks Educational Publishing, LLC	Hilltop High School	1	RQ17017790	40	EA	Sweetwater Que Chevere lvl 4 txt + Digital resources 8-yr License \$145.00 EACH	\$145.00	\$5,800.00
539528	Wicks Educational Publishing, LLC	Hilltop High School	2	RQ17017790	40	EA	LEVEL 4 STUDENT WORKBOOKS- FREE	\$0.00	\$0.00
539529	Pearson Education, Inc.	Mar Vista High School	1	RQ17016388	40	EA	Encuentros Maravillosos (Price per book to read \$54.47)	\$59.47	\$2,378.80
539529	Pearson Education, Inc.	Mar Vista High School	2	RQ17016388	40	EA	Revista -Conversacion Sin Barreras (Price per book to read \$138.00)	\$138.00	\$5,520.00
539529	Pearson Education, Inc.	Mar Vista High School	3	RQ17016388	60	EA	Thinking Mathematically 6th Edition by Blitzer (Price per book to read \$125)	\$111.97	\$6,718.20
539530	LightSPEED Technologies, Inc	Special Services	1	RQ17017207	100		AA NiMH RECHARGEABLE BATTERY(2700mA) FOR REDMIKE	\$7.00	\$700.00
539530	LightSPEED Technologies, Inc	Special Services	2	RQ17017207	50		REDMIKE cradle charger	\$50.00	\$2,500.00
539531	Cart Mart, Inc.	Southwest High School	1	RQ17016941	1	each	White Yamaha 2013 4 Passenger 48V Golf Cart (Good Used)	\$3,995.00	\$3,995.00

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539532	Neuron Fuel, Inc.	Hilltop Middle School	1	RQ17017457	1	lot	Instructional materials and lesson plans for programming courses 201, 202, 31, 302, JavaScript 1, Python 1, Drones 101, and upcoming LegoRobotics course (tyner.com/school/middle)-6 cross-curricular STEM courses in English, Social Studies, Math Physical Science, Life Science, and Earth Science - Automatic student assessment and metrics sadhboards- Premium creation tools- School administration console for teacher and student management - School metrics - This license expires June 30, 2018 and is for a single campus school with up to 200 students	\$1,170.00	\$1,170.00
539533	Golden Star Technology, Inc.	Central Receiving	1	RQ17015435	2	ea	HP COLOR LASERJET ENT M553DN SECURE, 1yr warranty	\$594.00	\$1,188.00
539534	Neuron Fuel, Inc.	Rancho Del Rey Middle School		RQ17017435	1	lot	Instructional materials and lesson plans for programming courses 201, 202,301, 302, JavaScript 1, Python 1, Drones 101, and upcoming LegoRobotics course (tynker.com/school/middle) - 6 cross-curricular STEMcourses in English, Social Studies, Math, Physical Science, Life Science,and Earth Science - Automatic student assessment and metrics dashboards- Premium creation tools - School administration console for teacher and student management - School metrics - This license expires June 30, 2018 and is for a single campus school with up to 200 students	\$1,170.00	\$1,170.00
539535	Image One Corporation	Nutrition Services	1	RQ1701768360,000	lot		Black Meal Application 11 x17 2/1 English/Spanish	\$0.08	\$4,980.00
539536	Troxell Communications, Inc.	Central Receiving	1	RQ17016818	1	ea	Television, VIZE65E1 Ultra HD 65" E Series Led Display	\$1,083.00	\$1,083.00
539537	Staples Inc. & Subsidiaries	Nutrition Services	1	RQ17016037	1	ea	Epson (T774120-S) 774 Ecotank Ink Bottle Pigment Black	\$17.54	\$17.54
539538	W. W. Norton & Company, Inc	Bonita Vista High School	1	RQ17017334	50	Ea	Give Me Liberty! Third AP Edition + Voices of Freedom 3e Vol 1 and 2 (\$112.00)	\$0.01	\$0.50
539538	W. W. Norton & Company, Inc	Bonita Vista High School	2	RQ17017334	2	Ea	Desk Copy of Give Me Liberty!, Third AP Edition	\$0.01	\$0.02

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539538	W. W. Norton & Company, Inc	Bonita Vista High School	3	RQ17017334	2	Ea	Voices of Freedom 3e Vol. 1 Instructor Desk Copy	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	4	RQ17017334	2	Ea	Voices of Freedom 3e Vol. 2 Instructor Desk Copy	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	5	RQ17017334	2	Ea	Instructor Resource Disc	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	6	RQ17017334	2	Ea	AP Test Bank (CD-ROM)	\$1.00	\$2.00
539538	W. W. Norton & Company, Inc	Bonita Vista High School	7	RQ17017334	2	Ea	AP Test bank (Print)	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	8	RQ17017334	2	Ea	AP Curriculum Planning and Pacing guide (Print)	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	9	RQ17017334	2	Ea	Historical Thinking Skills Worksheets by John Irish	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	10	RQ17017334	2	Ea	Lecture PowerPoints	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	11	RQ17017334	2	Ea	Art Slides	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	12	RQ17017334	2	Ea	Author Videos	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	13	RQ17017334	2	Ea	History Map Exercises	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	14	RQ17017334	2	Ea	Coursepack for Bb, Moodle etc.	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	15	RQ17017334	2	Ea	Norton American History Digital Archive	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	16	RQ17017334	50	Ea	StudySpace Student Website	\$0.01	\$0.50
539538	W. W. Norton & Company, Inc	Bonita Vista High School	17	RQ17017334	2	Ea	AP Skills Worksheets	\$0.01	\$0.02
539538	W. W. Norton & Company, Inc	Bonita Vista High School	18	RQ17017334	50	Ea	Ebook 1st Year Access (FREE)	\$0.01	\$0.50
539538	W. W. Norton & Company, Inc	Bonita Vista High School	19	RQ17017334	50	Ea	Ebook Year 2 Access	\$0.01	\$0.50
539538	W. W. Norton & Company, Inc	Bonita Vista High School	20	RQ17017334	50	Ea	Ebook Year 3 Access	\$0.01	\$0.50
539538	W. W. Norton & Company, Inc	Bonita Vista High School	21	RQ17017334	50	Ea	Ebook Year 4 Access	\$0.01	\$0.50
539538	W. W. Norton & Company, Inc	Bonita Vista High School	22	RQ17017334	50	Ea	Ebook Year 5 access	\$0.01	\$0.50
539538	W. W. Norton & Company, Inc	Bonita Vista High School	23	RQ17017334	50	Ea	Ebook Year 6 Access	\$0.01	\$0.50

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539538	W. W. Norton & Company, Inc	Bonita Vista High School	24	RQ17017334	50	Ea	Ebook Year 7 Access	\$0.01	\$0.50
539538	W. W. Norton & Company, Inc	Bonita Vista High School	25	RQ17017334	50	Ea	Ebook Year 8 Access	\$0.01	\$0.50
539539	Vista Higher Learning, Inc	Mar Vista High School	1	RQ17017784	40	EA	Revista -Conversacion Sin Barreras Student Bundle (Price per book to read \$138.00)	\$138.00	\$5,520.00
539539	Vista Higher Learning, Inc	Mar Vista High School	2	RQ17017784	1	EA	Revista 4e Instructor Annotated Edition (Price per item to read \$138.00)	\$138.00	\$138.00
539539	Vista Higher Learning, Inc	Mar Vista High School	3	RQ17017784	1	SET	Revista 4e Film Collection DVD (Price per item to read \$154.00)	\$154.00	\$154.00
539540	Cengage Learning	Hilltop High School	2	RQ17017346	40	Ea	978-1424-032-051. Milestones, Introductory Level CA Edition.Workbook	\$0.00	\$0.00
539540	Cengage Learning	Hilltop High School	4	RQ17017346	40	EA	978-1424-032-075. Milestones, Book A, CA Edition Workbook	\$0.00	\$0.00
539540	Cengage Learning	Hilltop High School	6	RQ17017346	40	EA	978-1424-032-105. Milestones, Book B CA Edition Workbook	\$0.00	\$0.00
539540	Cengage Learning	Hilltop High School	8	RQ17017346	20	EA	978-1424-032-136 Milestones, Book C, CA Edition Workbook	\$0.00	\$0.02
539541	Demco Inc.	Olympian High School	1	RQ17015923	10	ea	Community Upholstered Stool 20 1/4' h	\$159.95	\$1,599.50
539541	Demco Inc.	Olympian High School	2	RQ17015923	10	ea	7% Discount Pricing	-\$11.20	-\$112.00
539542	Bernard Arenson, Inc.	Castle Park Middle School	1	RQ17017504	5	EA	Boss Multi-Function Executive Chair - BLACK	\$155.00	\$775.00
539542	Bernard Arenson, Inc.	Castle Park Middle School	2	RQ17017504	1	LOT	Delivery-Standard	\$65.00	\$65.00
539543	B&H Photo	Central Receiving	1	RQ17015759	1	EA	SAMSUN- 65' CLASS (64.5' DIAG) - LED -SMART- 4K ULTRA HD	\$997.99	\$997.99
539544	Pearson Education, Inc.	Mar Vista High School	1	RQ17017781	1	EA	Thinking Mathematically Teachers Edition	\$0.10	\$0.10
539544	Pearson Education, Inc.	Mar Vista High School	2	RQ17017781	1	SET	Encuentros Maravillosos - Gramatica a Traves de la Literatura - Teachers Resource Book with CD SS3/4 (Price per item to read \$29.97)	\$29.97	\$29.97
539544	Pearson Education, Inc.	Mar Vista High School	3	RQ17017781	1	EA	Encuentros Maravillosos - Exam View Test Bank CD-ROM (Price per item to read 124.47)	\$124.47	\$124.47
539544	Pearson Education, Inc.	Mar Vista High School	4	RQ17017781	1	EA	Encuentros Maravillosos Gramatica a Traves de la Literatura - Chapter Tests (Price per item to read 25.47)	\$25.47	\$25.47
539544	Pearson Education, Inc.	Mar Vista High School	5	RQ17017781	1	EA	Encuentros Maravillosos - Gramatica a Traves de la Literatura - Teachers Resource Book with CD (Price per item to read 29.97)	\$29.97	\$29.97
539544	Pearson Education, Inc.	Mar Vista High School	6	RQ17017781	1	EA	Encuentros Maravillosos Gramatica 2011 Chapter Tests (Price per item to read 25.47)	\$25.47	\$25.47

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539544	Pearson Education, Inc.	Mar Vista High School	7	RQ17017781	1	EA	Encuentros Maravillosos Gramatica 2011 Teachers Resource Book with audio CD-ROM (Price per item to read 29.97)	\$29.97	\$29.97
539544	Pearson Education, Inc.	Mar Vista High School	8	RQ17017781	1	EA	Encuentros Maravilloso Gramatica Examview CD-ROM (Price per item to read 124.47)	\$124.47	\$124.47
539545	Tree House, Inc. (The)	Olympian High School	1	RQ17017313	4	ea	HP 90X Black Original toner cartridge HP #RTHPCE390X	\$43.00	\$172.00
539545	Tree House, Inc. (The)	Olympian High School	2	RQ17017313	3	EA	HP 53A Black original laserjet toner cartridge for Laserjet P2015 HP #RTHPQ7553A	\$16.00	\$48.00
539545	Tree House, Inc. (The)	Olympian High School	3	RQ17017313	30	ea	HP 49A Black original laserjet toner cartridge HP #RTHPQ5949A	\$18.25	\$547.50
539545	Tree House, Inc. (The)	Olympian High School	4	RQ17017313	8	ea	HP 49X, Black original toner cartridge HP #RTHPQ5949X	\$16.50	\$132.00
539545	Tree House, Inc. (The)	Olympian High School	5	RQ17017313	30	ea	HP 12A Black original laserjet toner cartridge HP #RTHPQ2612A	\$10.00	\$300.00
539545	Tree House, Inc. (The)	Olympian High School	6	RQ17017313	8	ea	HP 85A Black Original LaserJet toner cartridge HP #RTHPCE285A	\$11.00	\$88.00
539546	Memphis Net & Twine Co. Inc.	Chula Vista Middle School1		RQ17017903	1	ea	761104, IRON MIKE PITCHIN MACHINE	\$2,495.00	\$2,495.00
539546	Memphis Net & Twine Co. Inc.	Chula Vista Middle School2		RQ17017903	1	ea	SPEC, SPECIAL ORDER HAND FOR MP5 TO CHANGE OVER TO SOFTBALL	\$41.16	\$41.16
539546	Memphis Net & Twine Co. Inc.	Chula Vista Middle School3		RQ17017903	1	ea	SLOE PITCH OR FAST PITCH SOFTBALL	\$0.00	\$0.00
539547	CDW Government, Inc.	Central Receiving	1	RQ17014760	1	ea	Lumens DC 125-Document Camera	\$290.64	\$290.64
539547	CDW Government, Inc.	Central Receiving	2	RQ17014760	1	ea	Lumens DC-W50-Camera terminal expansion module	\$470.57	\$470.57
539548	Royal Lines Charters, LLC	Olympian High School	1	RQ17016797	1	Lot	Charter bus service to California Science Center and Griffith Park Observatory/Los Angeles CA on 6/13/2017.	\$1,193.00	\$1,193.00
539549	Regents of the University of California San Diego	Castle Park High School	1	RQ17017437	1	Lot	Hospitality and conference services UCSD. Conference Package: 26 participants at \$75.00 each per night. 2 nights.	\$3,900.00	\$3,900.00
539549	Regents of the University of California San Diego	Castle Park High School	2	RQ17017437	2	Lot	Description: Youth Rate (3) Meals per day. HDH Mtg. Rooms \$75.00 per day. Description: Lounge Space.	\$75.00	\$150.00
539550	Regents of the University of California San Diego	Hilltop High School	1	RQ17017540	1	Lot	Hospitality and conference services UCSD. Conference Package: 26 participants @ \$75.00 each per night. 3 days, 2 nights. Date: 6/25/17 - 6/27/17	\$3,900.00	\$3,900.00

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539550	Regents of the University of California San Diego	Hilltop High School	2	RQ17017540	2	EA	Meeting Facilities: 1 HDH Mtg. Rooms, Description: Lounge Space.	\$75.00	\$150.00
539551	Anil & Smita Inc.	College & Career Readiness	1	RQ17017900	1	lot	Food/Refreshments to be served at CPM parent night meeting on May 23, 2017 for 100 people	\$216.39	\$216.39
539552	Manna Development Group, LLC	Visual/Performing Arts	1	RQ17017265	1	lot	Breakfast and lunch for 17 teachers, Principals, Directors and Community members that will be working 8:00-3:00 revising the Strategis Arts Plan on May 24, 2017 at the VAPA office.	\$278.50	\$278.50
539553	El Tapatio Restaurant Inc.	Professional Development	1	RQ17017643	20	ea	Main Entree: Carne Asada and Pollo Asado (Pre Grilled) 8 oz per guest in combination of both meats. Rice and Beans Accompanied with: Guacamole, Onions, Cilantro, 4 Salsas, Radishes, Green Onions, Chiles Toreados, and Chips. Tortillas, cookies & sodas all packaged in disposable aluminum trays fully Disposable ware: Plates, Utensils, Napkins. Delivery Fee	\$10.25	\$205.00
539553	El Tapatio Restaurant Inc.	Professional Development	2	RQ17017643	1	ea		\$25.00	\$25.00
539554	El Tapatio Restaurant Inc.	Castle Park Middle School	1	RQ17017211	150	ea	Picnic: Summer Menu: Fiesta Mexicana, Main Entree: Carne Asada and pollo Asado (Grilled Onsite) 8oz in combination of meats. Rice and Beans accompanied with: Guacamole, Onions, Cilantro, 4 Salsas, Radishes, Green Onions, Chiles Toreados, Mulitas and Chips. Tortillas made onsite. cookies, assorted sodas. Fully Disposable ware: plates utensils, napkins. Minimum service 50 guest.	\$10.25	\$1,537.50
539555	El Tapatio Restaurant Inc.	Montgomery Middle School	1	RQ17017748	60	ea	Weddings: Flavor of Mexico Buffet: Choice of two main entrees: Chicken breast with mole & carnitas w/tortillas, choice of two side Dishes: Beans and Rice, caesar salad, chips & salsa, Jamaica & horchata, cookies & brownies	\$10.50	\$630.00
539555	El Tapatio Restaurant Inc.	Montgomery Middle School	1	RQ17017748	1	ea	Set up Fee	\$65.00	\$65.00

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539556	El Tapatio Restaurant Inc.	Palomar High School	1	RQ17016727	25	ea	Fiesta Mexican Menu: Main Entree: Carne asada and pollo asado (pre grilled), 8 oz per guest in combination of both meats. Rice and beans, accompanied with: guacamole, onions, cilantro, 4 salsas, radishes, green onions, chiles toreados, chips and tortillas. Canned lemonade & iced tea. All packaged in disposable aluminum trays. Fully disposable ware: plates, utensils, napkins. Delivery fee	\$10.50	\$262.50
539556	El Tapatio Restaurant Inc.	Palomar High School	2	RQ17016727	1	ea		\$25.00	\$25.00
539557	El Tapatio Restaurant Inc.	Hilltop High School	1	RQ17016348	45	Ea.	Hamburgers, Hot Dogs, Salads, Other Side, Cookies	\$10.25	\$461.25
539557	El Tapatio Restaurant Inc.	Hilltop High School	2	RQ17016348	1	Ea.	Set Up Fee	\$65.00	\$65.00
539558	El Tapatio Restaurant Inc.	Sweetwater High School	1	RQ17017079	90	ea	Picnic Summer Menu: Fiesta Mexicana for SUHI Staff Recognition event on June 2, 2017	\$10.50	\$945.00
539559	Prophet Corporation (The)	Southwest Middle School	1	RQ17017220	4	ea	National Dodgeball League Coated-Foam Dodgeballs - 7' diameter, Rainbow, Set of 6	\$101.85	\$407.40
539559	Prophet Corporation (The)	Southwest Middle School	2	RQ17017220	1	pair	Rink Pro Steel Goals - Compact, pair of goals w/nets	\$406.43	\$406.43
539559	Prophet Corporation (The)	Southwest Middle School	3	RQ17017220	2	ea	Gopher retractor retractable badminton net	\$290.03	\$580.06
539559	Prophet Corporation (The)	Southwest Middle School	4	RQ17017220	1	ea	4.0 hp Inflator/Deflator	\$242.10	\$242.10
539559	Prophet Corporation (The)	Southwest Middle School	5	RQ17017220	1	set of 24	FUNoodles foam rods - 60' L, Set of 24	\$80.95	\$80.95
539559	Prophet Corporation (The)	Southwest Middle School	6	RQ17017220	1	set of 12	Rainbow durohoopplus hoops - 30'in dia, set of 12	\$72.70	\$72.70
539559	Prophet Corporation (The)	Southwest Middle School	7	RQ17017220	2	sets of 6	Rainbow foam relay batons, set of 6	\$17.95	\$35.90
539559	Prophet Corporation (The)	Southwest Middle School	8	RQ17017220	1	ea	Gopher elite hoop disc target set	\$377.33	\$377.33
539559	Prophet Corporation (The)	Southwest Middle School	9	RQ17017220	2	ea	Gopher dig-rig volleyball cart - black	\$121.50	\$243.00
539559	Prophet Corporation (The)	Southwest Middle School	10	RQ17017220	12	ea	STX official field hockey ball - white	\$6.25	\$75.00
539559	Prophet Corporation (The)	Southwest Middle School	11	RQ17017220	1	ea	Active Academics Run for the Money Set	\$319.13	\$319.13
539559	Prophet Corporation (The)	Southwest Middle School	12	RQ17017220	1	ea	Team relay puzzles	\$76.45	\$76.45

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539559	Prophet Corporation (The)	Southwest Middle School	13	RQ17017220	1	ea	AlphaDash game - complete set	\$290.03	\$290.03
539559	Prophet Corporation (The)	Southwest Middle School	14	RQ17017220	6	ea	Portable Team Color Bench - 7.6L - Both bench and frame in the color of maroon	\$395.10	\$2,370.60
539559	Prophet Corporation (The)	Southwest Middle School	15	RQ17017220	20	ea	Wilson MG2 Mouth guards without strap - Adult Size	\$0.85	\$17.00
539559	Prophet Corporation (The)	Southwest Middle School	16	RQ17017220	20	ea	Wilson MG2 Mouth guards without strap - Youth Size	\$0.85	\$17.00
539559	Prophet Corporation (The)	Southwest Middle School	17	RQ17017220	2	ea	Kick off tee	\$3.55	\$7.10
539559	Prophet Corporation (The)	Southwest Middle School	18	RQ17017220	1	set of 24	Rip flag quick release flag belt system - 24 player set, large	\$130.50	\$130.50
539559	Prophet Corporation (The)	Southwest Middle School	19	RQ17017220	1	ea	ExpLoad drag sled set	\$115.43	\$115.43
539560	MonkeySports, Inc.	Castle Park High School	1	RQ17017789	12	ea	BAUER HH IMS 5.0 COMBO SR BLK L	\$46.74	\$560.88
539560	MonkeySports, Inc.	Castle Park High School	2	RQ17017789	5	ea	WARRIOR HG ALPHA QX5 SR 13 BLK	\$44.99	\$224.95
539560	MonkeySports, Inc.	Castle Park High School	3	RQ17017789	5	ea	WARRIOR HG ALPHA QX5 SR 14 BLK	\$44.99	\$224.95
539561	Home Depot	Southwest Middle School	1	RQ17017481	1	ea	WRB322DMBM - Refrigerator	\$1,399.00	\$1,399.00
539561	Home Depot	Southwest Middle School	2	RQ17017481	1	ea	5 Year Protection Plan \$1300-1999.99	\$200.00	\$200.00
539561	Home Depot	Southwest Middle School	3	RQ17017481	1	ea	Curbside Deliver fee waived.	\$0.00	\$0.00
539562	Revolution Prep LLC	Castle Park High School	1	RQ17016873	99	ea	100 REVOLUTIONK12 licenses High School Math intervention - 12- month access	\$29.99	\$2,969.01
539563	Troxell Communications, Inc.	Central Receiving	1	RQ17016469	1	ea	3D Printer Cart with locking storage	\$606.10	\$606.10
539564	Houghton Mifflin Harcourt Publishing Company	Special Services	1	RQ17016902	2	ea	Woodcock-Johnson IV Complete Kit (Achievement Form A and Cognitive without case)	\$1,887.35	\$3,774.70
539564	Houghton Mifflin Harcourt Publishing Company	Special Services	2	RQ17016902	6	ea	Woodcock-Johnson IV Achievement Standard and Extended Form A Test Record and Subject Response Booklets w/ISR Package	\$172.70	\$1,036.20
539564	Houghton Mifflin Harcourt Publishing Company	Special Services	3	RQ17016902	3	ea	Woodcock-Johnson IV Achievement Standard and Extended Form B Test Record and Subject Response Booklets w/ISR Package	\$172.70	\$518.10
539564	Houghton Mifflin Harcourt Publishing Company	Special Services	4	RQ17016902	6	ea	Woodcock-Johnson IV Cognitive Test Record w/ Individual Score Report	\$171.90	\$1,031.40
539564	Houghton Mifflin Harcourt Publishing Company	Special Services	5	RQ17016902	6	ea	Woodcock-Johnson IV Cognitive Student Response Book	\$66.45	\$398.70

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539564	Houghton Mifflin Harcourt Publishing Company	Special Services	6	RQ17016902	2	ea	Woodcock-Johnson IV Complete Kit Form B Without Case	\$1,887.35	\$3,774.70
539565	Herrera, Alberto C.	National City Middle School	1	RQ17017551	40	ea	GILDAN T-SHIRTS W/LIONS DEN LOGO (RED) 15S, 10M, 10L, 5XL	\$7.95	\$318.00
539565	Herrera, Alberto C.	National City Middle School	1	RQ17017551	20	ea	BADGER GIRLS SOCCER UNIFORMS TOP/BOTTON (NAVY/GOLD) 10S, 5M, 5L	\$35.00	\$700.00
539565	Herrera, Alberto C.	National City Middle School	1	RQ17017551	20	ea	BADGER SOCCER UNIFORMS TOP/BOTTON (NAVY/GOLD) 5S, 10M, 5L	\$35.00	\$700.00
539565	Herrera, Alberto C.	National City Middle School	1	RQ17017551	19	ea	Girls Dance Uniforms (Navy/White)	\$45.00	\$855.00
539566	Heritage Cleaners	Hilltop High School	1	RQ17016430	1	Lot	Dry Cleaning Fee for Caps & Gown (297 Pieces)	\$750.00	\$750.00
539566	Heritage Cleaners	Hilltop High School	2	RQ17016430	1	Lot	ESC fee	\$29.70	\$29.70
539567	Golden Star Technology, Inc.	Central Receiving	1	RQ17017121	1	ea	Printer, HP laserJet Enterprise M506x (One year return-to-bench limited warranty)	\$711.73	\$711.73
539568	Glass Company, Inc. (The)	Maintenance	1	RQ17017988	1	job	Provide material and labor to repair windows for Sweetwater High School (Welding shop)	\$1,025.00	\$1,025.00
539569	Glass Company, Inc. (The)	Maintenance	1	RQ17017987	1	job	Provide material and labor to repair window for Rancho Del Rey Middle School. (Room 604)	\$365.00	\$365.00
539570	Southland Technology Inc	Central Receiving	1	RQ17016626	1	EA	SMART 6065-V2 Interactive Display w/IQ #SPNL- 6265-v2	\$3,998.00	\$3,998.00
539570	Southland Technology Inc	Central Receiving	2	RQ17016626	1	ea	Electronic Waste Fee - 35 inches and up	\$7.00	\$7.00
539570	Southland Technology Inc	Central Receiving	3	RQ17016626	1	ea	****ACCESSORIES ** Wireless touch keyboard K400-#920-007119	\$30.00	\$30.00
539570	Southland Technology Inc	Central Receiving	4	RQ17016626	1	ea	Cable 3' HDMI Flexible # SSHD03	\$11.00	\$11.00
539570	Southland Technology Inc	Central Receiving	5	RQ17016626	1	ea	SMART DISPLAY INSTALLATION - Tilt mount universal up to 60' #LTM1U	\$204.00	\$204.00
539570	Southland Technology Inc	Central Receiving	6	RQ17016626	1	ea	Cable, USB Printer A/B 10' #USB-AB2mm-10	\$5.00	\$5.00
539570	Southland Technology Inc	Central Receiving	7	RQ17016626	1	ea	Cable 10' HDMI M-M # 255010x	\$14.00	\$14.00
539570	Southland Technology Inc	Central Receiving	8	RQ17016626	1	ea	Mounting Hardware & supplies to include : Raceway or pass thru plates	\$35.00	\$35.00
539570	Southland Technology Inc	Central Receiving	9	RQ17016626	1	ea	SMART display Installation & Set up	\$760.00	\$760.00
539570	Southland Technology Inc	Central Receiving	10	RQ17016626	1	ea	Trip Charge	\$47.50	\$47.50

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539570	Southland Technology Inc	Central Receiving	11	RQ17016626	2	ea	SMART Board Training by Jeri Canfield	\$100.00	\$200.00
539571	Home Depot	Southwest Middle School	1	RQ17017480	1	ea	FFFH20F2QW / FREEZER	\$664.00	\$664.00
539571	Home Depot	Southwest Middle School	2	RQ17017480	1	ea	1000042618 / 5 YEAR PROTECTION PLAN \$550-799.99	\$125.00	\$125.00
539571	Home Depot	Southwest Middle School	3	RQ17017480	1	ea	Delivery Fee Waived	\$0.00	\$0.00
539572	U.S. Bank National Association	Research & Evaluation	1	RQ17015848	1	ea	60 month lease with option to purchase (aprox payments 1-2) Sharp MX-M754N to be billed @ \$305.00/month plus tax, for the period 5/15/17 - 6/30/2017. \$1.00 buyout is available at lease conclusion. Payments to be made upon receipt of auditable invoices.	\$610.00	\$610.00
539572	U.S. Bank National Association	Research & Evaluation	2	RQ17015848	1	ea	754 PPM B&W MFP	\$0.00	\$0.00
539572	U.S. Bank National Association	Research & Evaluation	3	RQ17015848	1	ea	3,500 Large Capacity Tray	\$0.00	\$0.00
539572	U.S. Bank National Association	Research & Evaluation	4	RQ17015848	1	ea	Staple Finisher	\$0.00	\$0.00
539572	U.S. Bank National Association	Research & Evaluation	5	RQ17015848	1	ea	MX-754NT Toner	\$0.00	\$0.00
539572	U.S. Bank National Association	Research & Evaluation	6	RQ17015848	1	ea	MX-754NV Black Developer	\$0.00	\$0.00
539573	Projector Lamp Services	Bonita Vista High School	1	RQ17017395	1	ea	Epson Powerlite 83+ V13H010L42 / ELPLP 42	\$67.00	\$67.00
539574	RAL Investment Corporation	Accounting	1	RQ17017479	1	lot	Remanufactured Hawthorne Systems 72' x 72' reception cubicle with left return. One B/B/F pedestal in the main portion of the reception. One F/F Pedestal in the return of the reception. 2 side panels 65' high with glass window at the top. Fabric: Grade A - TBD, Laminate Grade A - TBD, Paint: Grade A - TBD, T-Mold Grade A - TBD.	\$2,785.00	\$2,785.00
539574	RAL Investment Corporation	Accounting	2	RQ17017479	1	LOT	Furniture Delivery and Installation	\$375.00	\$375.00
539575	School Outfitters, LLC	CTE (formerly ROP)	1	RQ17017561	60	Ea	Compute-It Intuitive Computer Table (24' W x 60' L); Edge: Black; Frame: Titanium; Top: Grey Bebola	\$442.25	\$26,535.00
539576	Bernard Arenson, Inc.	CTE (formerly ROP)	1	RQ17017485	14	Ea	Hon Huddle rectangular table top, 24 x 72, Laminate - Gray Tigris, Edgeband - Black	\$175.05	\$2,450.70
539576	Bernard Arenson, Inc.	CTE (formerly ROP)	2	RQ17017485	14	Ea	Hon Huddle flip-top table base with casters, Black	\$279.00	\$3,906.00

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539576	Bernard Arenson, Inc.	CTE (formerly ROP)	3	RQ17017485	7	Ea	Hon Motivate stacking chair with sled base, No arms, Shell - Regatta Blue, Frame - Chrome, 4 chairs per carton - total of 28 chairs	\$360.00	\$2,520.00
539576	Bernard Arenson, Inc.	CTE (formerly ROP)	4	RQ17017485	1	Ea	Hon Bookcase 71'h, Light Gray	\$198.00	\$198.00
539576	Bernard Arenson, Inc.	CTE (formerly ROP)	5	RQ17017485	2	Ea	Hon storage cabinet 72h x 18d, Light Gray	\$384.30	\$768.60
539576	Bernard Arenson, Inc.	CTE (formerly ROP)	6	RQ17017485	1	Ea	Hon right single pedestal desk with box/file pedestal and center drawer, 30 x 66, Top - Gray Tigris, Paint - Light Gray	\$499.05	\$499.05
539576	Bernard Arenson, Inc.	CTE (formerly ROP)	7	RQ17017485	1	Lot	Standard Delivery and Assembly - up to 5 pieces/components	\$150.00	\$150.00
539577	Bernard Arenson, Inc.	CTE (formerly ROP)	1	RQ17017483	14	Ea	Hon Huddle rectangular table top, 24 x 72, Laminate - Gray Tigris, Edgeband - Black	\$175.05	\$2,450.70
539577	Bernard Arenson, Inc.	CTE (formerly ROP)	2	RQ17017483	14	Ea	Hon Huddle flip-top table base with casters, Black	\$279.00	\$3,906.00
539577	Bernard Arenson, Inc.	CTE (formerly ROP)	3	RQ17017483	7	Ea	Hon Motivate stacking chair with sled base, No arms, Shell - Regatta Blue, Frame - Chrome, 4 chairs per carton - total of 28 chairs	\$360.00	\$2,520.00
539577	Bernard Arenson, Inc.	CTE (formerly ROP)	4	RQ17017483	1	Ea	Hon Bookcase 71'h, Light Gray	\$198.00	\$198.00
539577	Bernard Arenson, Inc.	CTE (formerly ROP)	5	RQ17017483	2	Ea	Hon storage cabinet 72h x 18d, Light Gray	\$384.30	\$768.60
539577	Bernard Arenson, Inc.	CTE (formerly ROP)	6	RQ17017483	1	Ea	Hon right single pedestal desk with box/file pedestal and center drawer, 30 x 66, Top - Gray Tigris, Paint - Light Gray	\$499.05	\$499.05
539577	Bernard Arenson, Inc.	CTE (formerly ROP)	7	RQ17017483	1	Lot	Standard Delivery and Assembly - up to 5 pieces/components	\$150.00	\$150.00
539578	Bernard Arenson, Inc.	CTE (formerly ROP)	1	RQ17017488	4	Ea	Hon HUddle rectangular table top 24x72, Laminate-Gray Tigris, Edgeband - Black	\$175.05	\$700.20
539578	Bernard Arenson, Inc.	CTE (formerly ROP)	2	RQ17017488	4	Ea	Hon Huddle flip-top table base with castes, Black	\$279.00	\$1,116.00
539578	Bernard Arenson, Inc.	CTE (formerly ROP)	3	RQ17017488	1	Ea	Standard Delivery and Assembly - up to 5 pieces/components *no stairs, duriung normal delivery hours/days 8:00AM to 4:00PM and Monday through Friday non-Holidays.	\$75.00	\$75.00
539579	Ultimate Sack LLC	Montgomery Middle School		RQ17017466	1	ea	Ultimate Sack 600 Bean Bag Chair, Color : Electric Blue Suede	\$244.00	\$244.00
539579	Ultimate Sack LLC	Montgomery Middle School		RQ17017466	1	ea	Ultimate Sack 600 Bean Bag Chair, Color: Teal Suede	\$244.00	\$244.00
539579	Ultimate Sack LLC	Montgomery Middle School		RQ17017466	2	ea	Foot Stool included	\$0.00	\$0.00

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539580	Dion International Trucks LLC	Transportation	1	RQ17017992	1	lot	Total labor	\$2,235.00	\$2,235.00
539580	Dion International Trucks LLC	Transportation	2	RQ17017992	1	lot	Total parts	\$645.00	\$645.00
539580	Dion International Trucks LLC	Transportation	3	RQ17017992	1	ea	Total Miscellaneous	\$75.00	\$75.00
539580	Dion International Trucks LLC	Transportation	4	RQ17017992	1	lot	Total hazmat	\$18.00	\$18.00
539581	Scantron Corporation	San Ysidro High School	1	RQ17016699	5	ea	50 Questions schc num+essy 25d sbjctv (500 pkg)	\$59.36	\$296.80
539581	Scantron Corporation	San Ysidro High School	2	RQ17016699	5	ea	100 Questions 5chc alpha (500/PKG)	\$61.20	\$306.00
539582	Bekins Moving Solutions, Inc.	Planning & Facilities	1	RQ17017989	1	lot	Provide movers and supplies for District Wide HVAC Project, RFP #67-2580-LB	\$0.00	\$0.00
539582	Bekins Moving Solutions, Inc.	Planning & Facilities	2	RQ17017989	9	each	Moving Labor - Movers	\$46.00	\$414.00
539582	Bekins Moving Solutions, Inc.	Planning & Facilities	3	RQ17017989	9	each	Moving Labor - Van/truck	\$23.00	\$207.00
539582	Bekins Moving Solutions, Inc.	Planning & Facilities	4	RQ17017989	18	each	Deliver Boxes - Movers	\$138.00	\$2,484.00
539582	Bekins Moving Solutions, Inc.	Planning & Facilities	5	RQ17017989	18	each	Deliver Boxes - Van/truck	\$69.00	\$1,242.00
539582	Bekins Moving Solutions, Inc.	Planning & Facilities	6	RQ17017989	7	each	Material deliver/pick up	\$50.00	\$350.00
539582	Bekins Moving Solutions, Inc.	Planning & Facilities	7	RQ17017989	600	each	24 x 15 x 12 boxes	\$1.10	\$660.00
539582	Bekins Moving Solutions, Inc.	Planning & Facilities	8	RQ17017989	700	each	100 Computer carts, at \$20. per week, X 7 = \$14,000.00	\$20.00	\$14,000.00
539582	Bekins Moving Solutions, Inc.	Planning & Facilities	11	RQ17017989	1	lot	5/24/17 - Add for 400 additional 24 x 25 x 12 boxes (lsb).	\$932.00	\$932.00
539583	Longstreth Sporting Goods, LLC	Chief Compliance Officer	1	RQ17017553	35	ea	Super Turf Field Hockey Balls - Item # HB8 Color - White	\$3.66	\$128.10
539583	Longstreth Sporting Goods, LLC	Chief Compliance Officer	2	RQ17017553	2	ea	Bangerz Elite Anti- Fog Google - Item # LHSE White/Blue Frame with Clear lens	\$44.95	\$89.90
539583	Longstreth Sporting Goods, LLC	Chief Compliance Officer	3	RQ17017553	13	ea	Bangerz Elite Anti- Fog Google - Item # LHSE White/Blue Frame with Clear lens	\$44.95	\$584.35
539583	Longstreth Sporting Goods, LLC	Chief Compliance Officer	4	RQ17017553	5	ea	TK Trilium 4 Field Hockey Stick - Item # ATKT416 - Size 34' - 5	\$67.95	\$339.75
539583	Longstreth Sporting Goods, LLC	Chief Compliance Officer	5	RQ17017553	5	ea	TK Trilium 4 Field Hockey Stick - Item # ATKT416 - Size Size 35.5' - 5	\$67.95	\$339.75
539583	Longstreth Sporting Goods, LLC	Chief Compliance Officer	6	RQ17017553	3	ea	TK Trilium 4 Field Hockey Stick - Item # ATKT416 - Size 36.5' -5	\$67.95	\$203.85
539583	Longstreth Sporting Goods, LLC	Chief Compliance Officer	7	RQ17017553	2	ea	TK Trilium 4 Field Hockey Stick - Item # ATKT416 - Size 37.5' - 2	\$67.95	\$135.90

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539584	Sport Supply Group, Inc.	Olympian High School	1	RQ17017524	1	PR	WORLD CLASS FIELD HOCKEY GOAL	\$2,759.00	\$2,759.00
539585	Textbook Warehouse	Southwest High School	1	RQ17017490	55	ea	Chemistry the Central Science c2009 \$83.75	\$83.75	\$4,606.25
539585	Textbook Warehouse	Southwest High School	2	RQ17017490	55	ea	AP Exam Workbook for chemistry: The central Science \$13.50	\$13.50	\$742.50
539585	Textbook Warehouse	Southwest High School	3	RQ17017490	45	ea	Physics Holt c2007 \$78.95	\$78.95	\$3,552.75
539586	Therapro, Inc.	Special Services	1	RQ17016905	1	ea	TVPS-3 Record Forms	\$40.00	\$40.00
539587	San Diego County Superintendent of Schools	Chula Vista Middle School	1	RQ17017309	1	ea	San Diego County Biliteracy Symposium for Mrs. Garza	\$55.00	\$55.00
539588	San Diego County Superintendent of Schools	Chula Vista Middle School	1	RQ17017404	1	ea	San Diego County of Education dinner for Mrs. Gracias	\$55.00	\$55.00
539589	San Diego County Superintendent of Schools	Equity Culture & Support Services	1	RQ17017171	1	EA	REGISTRATION FEE FOR JANE CAMPBELL TO ATTEND 'INTRO TO RESTORATIVE PRACTICES AND USING CIRCLES EFFECTIVELY TRAINING OF TRAINERS (TOT) ON JUNE 7 - 9, 2017 IN SAN DIEGO, CALIFORNIA.	\$1,500.00	\$1,500.00
539590	Sport Supply Group, Inc.	Maintenance	1	RQ17016382	2	PAL	Hilltopper Mound/Batter's Clay Bag	\$870.00	\$1,740.00
539591	Sport Supply Group, Inc.	Athletic Support	1	RQ17017112	4	EA	CHALLENGER DISCUS 1.6K	\$40.99	\$163.96
539591	Sport Supply Group, Inc.	Athletic Support	2	RQ17017112	4	EA	CHALLENGER DISCUS 1K	\$39.35	\$157.40
539591	Sport Supply Group, Inc.	Athletic Support	3	RQ17017112	4	EA	INT'L TURNED SHOT 12lb	\$46.73	\$186.92
539591	Sport Supply Group, Inc.	Athletic Support	4	RQ17017112	4	EA	INT'L TURNED SHOT 4KG	\$42.63	\$170.52
539591	Sport Supply Group, Inc.	Athletic Support	5	RQ17017112	3	EA	MULTISPORT INDOOR SCOREBOARD W/ REMOTE	\$409.99	\$1,229.97
539592	Sport Supply Group, Inc.	San Ysidro High School	1	RQ17017116	1	PR	4' Classic Alumgoal - Item # SGA400	\$2,377.99	\$2,377.99
539592	Sport Supply Group, Inc.	San Ysidro High School	2	RQ17017116	1	SET	TRANSPORT WHEELS (SET OF 2) - Item # SCGWHLXX	\$147.59	\$147.59
539593	Sport Supply Group, Inc.	Athletic Support	1	RQ17017467	1	ea	Hand Nail Drag 3X2	\$369.99	\$369.99
539594	D. Hauptman Co.	Southwest Middle School	1	RQ17017215	1	ea	3 PIECE STEEL GOALS (6' X 12') PAIR	\$1,055.00	\$1,055.00
539594	D. Hauptman Co.	Southwest Middle School	2	RQ17017215	4	ea	REPLACEMENT NETS WITH DEPTH --6'6 X 12' PAIR 4MM - WHITE	\$115.00	\$460.00
539594	D. Hauptman Co.	Southwest Middle School	3	RQ17017215	1	ea	BACK BOTTOM BARS FOR 3 PC GOALS - TYPE: STEEL BACK BOTTOM BAR: BBB IN 1 PC	\$200.00	\$200.00
539594	D. Hauptman Co.	Southwest Middle School	4	RQ17017215	1	ea	County Sales Tax	\$8.58	\$8.58
539595	B&H Photo	Bonita Vista Middle School	1	RQ17016998	1	ea	EPUCXD350C/T693200 Epson SureColor T-Series Ink - Cyan	\$153.00	\$153.00

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539595	B&H Photo	Bonita Vista Middle School	2	RQ17016998	1	ea	EPUCXD350PB/T693100 Epson SureColor T-Series Ink - Photo Black	\$153.00	\$153.00
539595	B&H Photo	Bonita Vista Middle School	3	RQ17016998	1	ea	EPUCXD350M/T693300 Epson SureColor T-Series Ink -Magenta	\$153.00	\$153.00
539595	B&H Photo	Bonita Vista Middle School	4	RQ17016998	1	ea	EPUCXD350Y/T693400 Epson SureColor T-Series Ink -Yellow	\$153.00	\$153.00
539595	B&H Photo	Bonita Vista Middle School	5	RQ17016998	2	pk	EPDWM2482/S041385 Doubleweight Matte Paper 24x82	\$40.49	\$80.98
539595	B&H Photo	Bonita Vista Middle School	6	RQ17016998	2	pk	EPPP17524200/S450226 Epson Poster Paper Production 24x200	\$98.00	\$196.00
539595	B&H Photo	Bonita Vista Middle School	7	RQ17016998	1	ea	EPT619300/T619300 Epson Ink Take for T-Series	\$63.70	\$63.70
539595	B&H Photo	Bonita Vista Middle School	8	RQ17016998	1	ea	EPUCXD350MB/T693500 Epson SureColor T-Series Ink-Mtte Black	\$153.00	\$153.00
539596	Textbook Warehouse	Southwest High School	1	RQ17017637	40	ea	Think Java: How to Think Like	\$27.89	\$1,115.60
539597	Textbook Warehouse	Sweetwater High School	1	RQ17017639	40	ea	Think Java: How to Think Like	\$27.89	\$1,115.60
539598	Textbook Warehouse	Chula Vista High School	1	RQ17017640	40	ea	Think Java: How to Think Like	\$27.89	\$1,115.60
539599	Pearson Education, Inc.	Otay Ranch HS	1	RQ17017589	150	ea	Campbell Biology in Focus 2e Student Edition with MasteringBio with Pearson eText (up to 6 Years)	\$140.97	\$21,145.50
539599	Pearson Education, Inc.	Otay Ranch HS	2	RQ17017589	2	ea	Campbell Biology in Focus 2e ExamView CD-Rom (FREE)	\$0.00	\$0.00
539599	Pearson Education, Inc.	Otay Ranch HS	3	RQ17017589	2	ea	Campbell Biology in Focus 2e Test Prep workbook for AP (FREE)	\$0.00	\$0.00
539599	Pearson Education, Inc.	Otay Ranch HS	4	RQ17017589	2	ea	Campbell Biology in Focus 2e Instructor Resource DVD with Test Gen (FREE)	\$0.00	\$0.00
539599	Pearson Education, Inc.	Otay Ranch HS	5	RQ17017589	2	ea	Campbell Biology in Focus 2e Inquiry in Action: interpreting Scientific Papers (FREE)	\$0.00	\$0.00
539599	Pearson Education, Inc.	Otay Ranch HS	6	RQ17017589	2	ea	Campbell Biology in Focus 2e Practicing Biology student workbook (FREE)	\$0.00	\$0.00
539599	Pearson Education, Inc.	Otay Ranch HS	7	RQ17017589	2	ea	Campbell Biology in Focus 2e Biological Inquiry:A Workbook of Investigative Cases (FREE)	\$0.00	\$0.00
539599	Pearson Education, Inc.	Otay Ranch HS	8	RQ17017589	2	ea	Campbell Biology in Focus 2e Study Card (FREE)	\$0.00	\$0.00
539599	Pearson Education, Inc.	Otay Ranch HS	10	RQ17017589	2	ea	Campbell Biology in Focus 2e A Short Guide to Writing About Biology (FREE)	\$0.00	\$0.00
539600	Troxell Communications, Inc.	Central Receiving	1	RQ17017981	5	ea	Elmo TT-12iD Full HD 1080 Document Camera	\$524.53	\$2,622.65

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539601	Regents of University of California, Irvine	Curriculum	1	RQ17017672	1	EA	CONSULTANT TO PROVIDE PD TO WORLD CULTURES AND WORLD HISTORY TEACHERS FOR FOUR HOURS PER DAY ON APRIL 17, AND APRIL 20, 2017. CONSULTANT WILL REVIEW THE NEW CALIFORNIA HISTORY/SOCIAL SCIENCE FRAMEWORK WITH TEACHERS.	\$3,200.00	\$3,200.00
539602	Mayer Educational Products	Special Services	1	RQ17017867	1	st	Mayer Carbonless Notebooks - set/100	\$925.00	\$925.00
539603	Staples Inc. & Subsidiaries	Montgomery High School	1	RQ17017645	11	ea	Chenille Kraft® Creativity Street® Dry Erase Student Boards, White, 9' X 12', 10 Pack #9881-10#	\$23.99	\$263.89
539604	Staples Inc. & Subsidiaries	National City Middle School	1	RQ17017412	8	each	Victory Light Tu-Tone 8 1/2' x 11' black/mohogany wood frame	\$12.31	\$98.48
539604	Staples Inc. & Subsidiaries	National City Middle School	1	RQ17017412	1	lot	Tax adjustment for National City	\$0.49	\$0.49
539605	Turpin & Rattan Engineering, Inc.	Planning & Facilities	1	RQ17017552	1	Lot	To provide engineering and design services for the removal of the existing multi-zone air handling unit and installation of replacement split system units for the District Office HVAC Project.	\$16,000.00	\$16,000.00
539605	Turpin & Rattan Engineering, Inc.	Planning & Facilities	5	RQ17017552	1	lot	05/30/17 ; Purchase order encumbrance adjustment (lsb). Change Order #1. Ratified by the Board of Trustees on 06/12/17, item M-2.	\$6,500.00	\$6,500.00
539606	Fotodyne Ed. Services Div	Central Receiving	1	RQ17016110	8	EA	1-1409 Electrophoresis Chamber, Dual Cell w/tray & combs	\$565.00	\$4,520.00
539607	Ultimate Office, Inc.	East Hills Academy	1	RQ17017742	1	ea	Outpost 20Pocket 2 Link Reference w/post & clamp - BLACK	\$307.00	\$307.00
539608	Flinn Scientific, Inc.	Bonita Vista High School	1	RQ17017605	1	ea	Solar Oven	\$55.68	\$55.68
539608	Flinn Scientific, Inc.	Bonita Vista High School	2	RQ17017605	1	ea	Snap Circuits	\$58.44	\$58.44
539608	Flinn Scientific, Inc.	Bonita Vista High School	3	RQ17017605	1	ea	Color Wheel Light	\$28.39	\$28.39
539608	Flinn Scientific, Inc.	Bonita Vista High School	4	RQ17017605	1	ea	Flinn Van De Graaff	\$159.63	\$159.63
539608	Flinn Scientific, Inc.	Bonita Vista High School	5	RQ17017605	5	ea	Thermometers	\$10.97	\$54.83
539609	Dick Blick Company	Sweetwater High School	1	RQ17017103	12	EA	BLICK STUDENT GRADE TEMPERA - TURQUOISE , PINT	\$2.30	\$27.60
539609	Dick Blick Company	Sweetwater High School	2	RQ17017103	12	EA	BLICK STUDENT GRADE TEMPERA -RED , PINT	\$2.30	\$27.60
539609	Dick Blick Company	Sweetwater High School	3	RQ17017103	24	EA	BLICK STUDENT GRADE TEMPERA - YELLOW , PINT	\$2.30	\$55.20

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539609	Dick Blick Company	Sweetwater High School	4	RQ17017103	12	EA	BLICK STUDENT GRADE TEMPERA - BLUE , PINT	\$2.30	\$27.60
539609	Dick Blick Company	Sweetwater High School	5	RQ17017103	24	EA	BLICK STUDENT GRADE TEMPERA - WHITE , PINT	\$2.30	\$55.20
539609	Dick Blick Company	Sweetwater High School	6	RQ17017103	3	EA	WINSOR AND nEWTON ARTISAN WATER MIXABLE OIL COLOR - STUDIO SET, SET OF 10 COLORS	\$54.67	\$164.01
539609	Dick Blick Company	Sweetwater High School	7	RQ17017103	3	EA	FREDRIX CANVAS PAD - 9' X 12', 10 SHEETS	\$4.94	\$14.82
539609	Dick Blick Company	Sweetwater High School	8	RQ17017103	1	EA	K AND S TUBE ASSORTMENT NO 707	\$14.15	\$14.15
539609	Dick Blick Company	Sweetwater High School	9	RQ17017103	12	EA	BLICK BRISTOL PAD 9X12 VELLUM 15 SHEETS	\$2.50	\$30.00
539609	Dick Blick Company	Sweetwater High School	10	RQ17017103	5	EA	ROYAL SUPER VALUE SPONGE SET SET OF 4	\$2.75	\$13.75
539609	Dick Blick Company	Sweetwater High School	11	RQ17017103	1	EA	ARMOUR ETCH, ETCHING CREAM, 10 OZ	\$13.99	\$13.99
539609	Dick Blick Company	Sweetwater High School	12	RQ17017103	1	EA	FEDRIX STANDARD STRETCHER BARS 10' PKG OF 50	\$30.98	\$30.98
539609	Dick Blick Company	Sweetwater High School	13	RQ17017103	1	EA	FREDRIX STANDARD STRETCHER BARS 8' PKG OF 50	\$27.79	\$27.79
539609	Dick Blick Company	Sweetwater High School	14	RQ17017103	1	LOT	ADDITIONAL TAX	\$2.51	\$2.51
539610	Dick Blick Company	Bonita Vista Middle School	1	RQ17017476	1	ea	Item# 42907-1008, Gyotaku Fish Printing Replica - Trout	\$10.03	\$10.03
539610	Dick Blick Company	Bonita Vista Middle School	2	RQ17017476	2	ea	Item# 42907-1017, Gyotaku Fish Printing Replica - Sea Horse	\$4.91	\$9.82
539610	Dick Blick Company	Bonita Vista Middle School	3	RQ17017476	1	ea	Item# 42907-1015, Gyotaku Fish Printing Replica - Painted	\$10.65	\$10.65
539610	Dick Blick Company	Bonita Vista Middle School	4	RQ17017476	2	ea	Item# 42907-1005, Gyotaku Fish Printing Replica - Blue Gill	\$9.13	\$18.26
539610	Dick Blick Company	Bonita Vista Middle School	5	RQ17017476	1	ea	Item# 20013-2889, Sakura Cray-Pas Junior Artist Oil Pastel-Assorted Colors, set of 288	\$57.12	\$57.12
539610	Dick Blick Company	Bonita Vista Middle School	6	RQ17017476	16	ea	Item# 40417-1071, Blick Wonder - Cut Linoleum - Pkg of 12, 4' x 6', Unmounted	\$6.58	\$105.28
539610	Dick Blick Company	Bonita Vista Middle School	7	RQ17017476	48	ea	Item# 55989-1012, Westcott Finger Grip Ruler - 12'	\$0.87	\$41.76
539611	Dick Blick Company	Chula Vista Middle School	1	RQ17017315	3	ea	Blick Oil Colors Cadmium Red Hue, Tube 38	\$2.61	\$7.83
539611	Dick Blick Company	Chula Vista Middle School	2	RQ17017315	1	ea	Blick Studio Gesso	\$19.54	\$19.54
539611	Dick Blick Company	Chula Vista Middle School	3	RQ17017315	1	ea	Blick Oil Colors Crdimson Alizarin, Tube 225 ml	\$7.02	\$7.02
539611	Dick Blick Company	Chula Vista Middle School	4	RQ17017315	3	ea	Blick Oil Colors Cadmiun Yellow 225 ml	\$7.02	\$21.06

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539611	Dick Blick Company	Chula Vista Middle School	5	RQ17017315	2	ea	DaVinci Artist Oil Color Titanium White 150 ml	\$15.33	\$30.66
539611	Dick Blick Company	Chula Vista Middle School	6	RQ17017315	5	ea	Robert Simmons Signet Brush Pack Set	\$14.29	\$71.45
539611	Dick Blick Company	Chula Vista Middle School	7	RQ17017315	5	ea	Blick Economy White Bristle Brush Flat Size 14	\$1.04	\$5.20
539611	Dick Blick Company	Chula Vista Middle School	8	RQ17017315	19	ea	Blick Economy White Bristle Brush Size 12	\$0.93	\$17.67
539611	Dick Blick Company	Chula Vista Middle School	9	RQ17017315	19	ea	Blick Economy White Bristle Brush Size 10	\$0.78	\$14.82
539611	Dick Blick Company	Chula Vista Middle School	10	RQ17017315	25	ea	Blick Economy White Bristle Brush Size 8	\$0.68	\$17.00
539612	Dick Blick Company	Mar Vista High School	1	RQ17017425	4	EA	BLICK DRAWING PAPER-WHT 18X24 REAM 80LB.	\$42.88	\$171.52
539612	Dick Blick Company	Mar Vista High School	2	RQ17017425	1	PK	WATERCOLOR PAPER, PKG OF 100 SHEETS 90LB 181/4'X24'	\$52.48	\$52.48
539613	La Class Transportation	Bonita Vista High School	1	RQ17013493	1	Lot	Confirmation #71132 - Charter bus service - 2/27/2017, 12:00PM to 10:00PM - pick up: BVH, drop off: Imperial High, return to: BVH	\$1,498.50	\$1,498.50
539614	VEX Robotics, Inc.	Hilltop Middle School	1	RQ17017770	1	ea	Competition Field Monitor Stand	\$39.99	\$39.99
539614	VEX Robotics, Inc.	Hilltop Middle School	2	RQ17017770	1	ea	VRC Startruck Field Elements Kit	\$179.99	\$179.99
539614	VEX Robotics, Inc.	Hilltop Middle School	3	RQ17017770	1	ea	Competition Field Perimeter Kit	\$799.99	\$799.99
539615	Carlsbad Strawberry Company Inc	Montgomery Middle School	1	RQ17016875	40	ea	Admissions for Strawberry U Pick Buckets (40 small buckets)	\$7.50	\$300.00
539616	Youth Development Network	Mar Vista High School	1	RQ17017991	9	each	Registration fees for certificated staff to attend Youth Development Network, Strength Based Training on May 16 and May 17, 2017 - Diana Tellez, Christopher Forrest, Robert Medrano, Stephanie Kinnamon, Siri Forsman-Sims, Randy Rosenheim, Suham Saeed Instructional Aides -Melissa Pena Uriarte and Sarai Nunez	\$200.00	\$1,800.00
539616	Youth Development Network	Mar Vista High School	2	RQ17017991	2	each	Registration fees for clerical staff Anita Dahler and Ethan Charles to attend Youth Development Network, Strength Based Training on May 16 and May 17, 2017 LINE C	\$200.00	\$400.00
539616	Youth Development Network	Mar Vista High School	3	RQ17017991	1	each	Registration fees for library tech Rosa Cadena to attend Youth Development Network, Strength Based Training on May 16 and May 17, 2017 LINE C	\$200.00	\$200.00

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539616	Youth Development Network	Mar Vista High School	4	RQ17017991	1	each	Registration fees for CIS Jessica Neamon to attend Youth Development Network, Strength Based Training on May 16 and May 17, 2017	\$200.00	\$200.00
539616	Youth Development Network	Mar Vista High School	5	RQ17017991	1	each	Registration fees for Administrator Hector Ornelas, Jr. to attend Youth Development Network, Strength Based Training on May 16 and May 17, 2017	\$200.00	\$200.00
539617	Demco Inc.	Sweetwater High School	1	RQ17016956	4	EACH	BIG JOE:RED	\$60.44	\$241.77
539617	Demco Inc.	Sweetwater High School	2	RQ17016956	2	EACH	BIG JOE:BLACK	\$74.40	\$148.79
539617	Demco Inc.	Sweetwater High School	3	RQ17016956	16	EACH	TITAN BOOK SUPPORT:RED	\$5.46	\$87.36
539617	Demco Inc.	Sweetwater High School	4	RQ17016956	1	lot	Tax Adjustment for National City	\$2.39	\$2.39
539618	Barclay Wood Toys and Blocks, Inc.	Southwest High School	1	RQ17016991	3,000	EA	3/4 cubes	\$0.05	\$135.00
539619	Demco Inc.	National City Middle School	1	RQ17017118	1	EA	Steam Student Kit	\$294.50	\$294.50
539619	Demco Inc.	National City Middle School	1	RQ17017118	1	EA	Arduino Coding Kit replaces Arduino Starter Kit P137-26900	\$95.00	\$95.00
539619	Demco Inc.	National City Middle School	1	RQ17017118	1	EA	CloudBit Starter Kit replaces CloudBit Starter Kit P137-26880	\$99.75	\$99.75
539619	Demco Inc.	National City Middle School	1	RQ17017118	1	lot	Tax Adjustment for National City	\$2.45	\$2.45
539620	Lakeshore Learning Materials	East Hills Academy	1	RQ17017269	1	ea	Classic Birch Big 12 Cubbies Storage Unit	\$379.05	\$379.05
539621	Textol Systems Inc.	East Hills Academy	1	RQ17017271	1	pk	1/2 in white hook coins	\$31.27	\$31.27
539621	Textol Systems Inc.	East Hills Academy	2	RQ17017271	1	pk	1/2 in white loop coins	\$31.27	\$31.27
539621	Textol Systems Inc.	East Hills Academy	3	RQ17017271	1	pk	1/2 in white hook tape	\$15.75	\$15.75
539621	Textol Systems Inc.	East Hills Academy	4	RQ17017271	1	pk	1/2 in white loop tape	\$15.75	\$15.75
539622	Therapy Shoppe, Inc.	Special Services	1	RQ17017580	1	pk	25 Kneadable Erasers	\$15.99	\$15.99
539622	Therapy Shoppe, Inc.	Special Services	2	RQ17017580	1	lot	\$25 minimum purchase order fee	\$3.00	\$3.00
539623	Lakeshore Learning Materials	Alta Vista Academy	1	RQ17017726	2	ea	Colored Kinetic Sand - Green	\$40.84	\$81.68
539623	Lakeshore Learning Materials	Alta Vista Academy	2	RQ17017726	2	ea	Colored Kinetic Sand - Red	\$40.84	\$81.68
539623	Lakeshore Learning Materials	Alta Vista Academy	3	RQ17017726	2	ea	Colored Kinetic Sand - Violet	\$40.84	\$81.68
539623	Lakeshore Learning Materials	Alta Vista Academy	4	RQ17017726	2	ea	Colored Kinetic Sand - Blue	\$40.84	\$81.68
539623	Lakeshore Learning Materials	Alta Vista Academy	5	RQ17017726	1	ea	Lakeshore Sensory Ball Set	\$33.24	\$33.24

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539624	Vernier Software & Technology, LLC	Central Receiving	1	RQ17016206	24	ea	LabQuest 2 Interface	\$312.55	\$7,501.20
539624	Vernier Software & Technology, LLC	Central Receiving	2	RQ17016206	24	ea	Gas Pressure Sensor	\$78.85	\$1,892.40
539624	Vernier Software & Technology, LLC	Central Receiving	3	RQ17016206	24	ea	pH Sensor	\$75.05	\$1,801.20
539624	Vernier Software & Technology, LLC	Central Receiving	4	RQ17016206	24	ea	Temperature Probe	\$27.55	\$661.20
539625	Central Products, LLC	CTE (formerly ROP)	1	RQ17017897	10	ea	72' W x 30' D STALLION WRKTABLE, ADJ S/S BRACING, 16 GAUGE	\$576.00	\$5,760.00
539626	Central Products, LLC	CTE (formerly ROP)	1	RQ17017904	45	ea	BACKLESS BARSTOOL, CHRME RING FRAME, NEW SOHO VINYL SEAT, VINYL BURGUNDY	\$72.99	\$3,284.55
539627	Textbook Warehouse	Bonita Vista High School	1	RQ17017557	150		Perrines Literature Structure Sound and Sense c2002	\$33.95	\$5,092.50
539628	AbleNet, Inc.	Special Services	1	RQ17017899	3		Little step-by-step with levels	\$195.00	\$585.00
539628	AbleNet, Inc.	Special Services	2	RQ17017899	10		Little step-by step	\$165.00	\$1,650.00
539628	AbleNet, Inc.	Special Services	3	RQ17017899	10		Big step-by-step	\$165.00	\$1,650.00
539629	Educational Testing Services	Adult Resource Center	1	RQ17017915	40	ea	HISET 2016 Official Practrice Test	\$10.00	\$400.00
539629	Educational Testing Services	Adult Resource Center	2	RQ17017915	40	ea	HISET 2016 Official Practice Test	\$10.00	\$400.00
539629	Educational Testing Services	Adult Resource Center	3	RQ17017915	40	ea	HISET 2016 Official Practice Test	\$10.00	\$400.00
539629	Educational Testing Services	Adult Resource Center	4	RQ17017915	40	ea	HISET 2016 Official Practice Test	\$10.00	\$400.00
539629	Educational Testing Services	Adult Resource Center	5	RQ17017915	40	ea	HISET 2016 Official Practice Test	\$10.00	\$400.00
539630	Barnes & Noble Booksellers, USA Inc.	CTE (formerly ROP)	1	RQ17017870	70	ea	7 Habits of Highly Effective Teens	\$13.59	\$951.30
539630	Barnes & Noble Booksellers, USA Inc.	CTE (formerly ROP)	2	RQ17017870	70	ea	Life Strategies for Teens	\$12.79	\$895.30
539630	Barnes & Noble Booksellers, USA Inc.	CTE (formerly ROP)	3	RQ17017870	70	ea	Success Principles (TM) 10th Anniversy Edition: How to Get from Where you are to where you want to be	\$15.99	\$1,119.30
539631	Fathead LLC	Educational Technology	1	RQ17017706	2	EA	Premask Custom Modern Script Monogram Black	\$99.99	\$199.98
539631	Fathead LLC	Educational Technology	2	RQ17017706	1	EA	Design Time Charge	\$55.00	\$55.00

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539632	JW Pepper & Son, Inc.	Visual/Performing Arts	1	RQ17016939	1	Lot	Provide sheet music as specified by only Jenni Jouan, for the period of 5/3/2017 - 6/30/2017. Total cost not to exceed \$2,000.00 including tax & Shipping Chargers. Please ship: Att: Jenni Jouan/ Music Library and reference P.O.# on each invoice & shipment.	\$2,000.00	\$2,000.00
539633	Corwin Press, Inc.	Montgomery Middle School		RQ17016807	1	ea	Grammar Keepers Lessons That Tackle Students' Most Persistent Problems Once and for All, Grades 4-12. ISBN 9781483375465.	\$27.95	\$27.95
539633	Corwin Press, Inc.	Montgomery Middle School		RQ17016807	1	ea	The Common Core Companion: The Standards Decoded, Grades 6-8 What They Say, What They Mean, How to Teach Them. ISBN 9781452276038	\$28.95	\$28.95
539634	CDW Government, Inc.	East Hills Academy	1	RQ17015511	45	ea	Logitech Wired Keyboard for iPad4-White	\$35.00	\$1,575.00
539635	Pro-Ed	Special Services	1	RQ17016463	7		Edmark Reading Program Level 1 - ERP LV1, 2E-Kit	\$599.00	\$4,193.00
539635	Pro-Ed	Special Services	2	RQ17016463	7		Edmark Reading Program LV 2 - ERP LV 2, 2E-Kit	\$599.00	\$4,193.00
539635	Pro-Ed	Special Services	3	RQ17016463	3		Reading Milestones, 4E LV 1-3 Combo Kit	\$1,050.00	\$3,150.00
539635	Pro-Ed	Special Services	4	RQ17016463	1		Edmark Online - 25 Student Users	\$1,375.00	\$1,375.00
539635	Pro-Ed	Special Services	5	RQ17016463	1		Edmark Online - 10 Student Users	\$600.00	\$600.00
539636	United States Academic Decathlon	Castle Park High School	1	RQ17016462	20	ea	Novel: Things fall Apart (Hard copy)	\$6.50	\$130.00
539637	Junior Library Guild	Sweetwater High School	1	RQ17008509	1	ea	Mature Young Adult Plus	\$228.20	\$228.20
539637	Junior Library Guild	Sweetwater High School	2	RQ17008509	1	ea	High Interest Reading	\$195.60	\$195.60
539637	Junior Library Guild	Sweetwater High School	3	RQ17008509	1	ea	History High	\$207.60	\$207.60
539637	Junior Library Guild	Sweetwater High School	4	RQ17008509	1	ea	Mystery & Adventure Middle	\$207.60	\$207.60
539637	Junior Library Guild	Sweetwater High School	5	RQ17008509	1	ea	Nonfiction Middle	\$207.60	\$207.60
539637	Junior Library Guild	Sweetwater High School	6	RQ17008509	1	ea	Sports Middle	\$195.60	\$195.60
539637	Junior Library Guild	Sweetwater High School	7	RQ17008509	1	ea	Young Adults	\$195.60	\$195.60
539637	Junior Library Guild	Sweetwater High School	8	RQ17008509	1	ea	Young Adults Plus	\$228.20	\$228.20
539637	Junior Library Guild	Sweetwater High School	9	RQ17008509	1	ea	Mylar Jacket Processing	\$0.00	\$0.00
539637	Junior Library Guild	Sweetwater High School	10	RQ17008509	1	ea	1% Additional Sales Tax for National City	\$27.46	\$27.46
539638	B&H Photo	Central Receiving	1	RQ17017771	4	ea	VIZIO Smart Cast E Series 43' Clas full HD LED TV	\$328.00	\$1,312.00

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539638	B&H Photo	Central Receiving	2	RQ17017771	4	ea	Ultra Slim High Speed HDMI Cable 4' (Free with purchase of item VIE43D2 above)	\$0.00	\$0.00
539639	A&P Cleaners, Inc.	Options Secondary School 1		RQ17017128	25	each	Gown dry cleaning for graduation use.	\$8.15	\$203.75
539640	Oriental Trading Company, Inc	Alta Vista Academy	1	RQ17017736	2	dz	Neon Smile Face Stress	\$14.99	\$29.98
539640	Oriental Trading Company, Inc	Alta Vista Academy	2	RQ17017736	2	dz	Globe Stress Balls	\$11.98	\$23.96
539640	Oriental Trading Company, Inc	Alta Vista Academy	3	RQ17017736	2	dz	Realistic Baseball Stress Balls	\$14.99	\$29.98
539640	Oriental Trading Company, Inc	Alta Vista Academy	4	RQ17017736	2	dz	Watercolor Stress Balls	\$14.99	\$29.98
539640	Oriental Trading Company, Inc	Alta Vista Academy	5	RQ17017736	2	dz	Realistic Basketnall Stress Ball	\$14.99	\$29.98
539640	Oriental Trading Company, Inc	Alta Vista Academy	6	RQ17017736	1	ea	Certificate/Other	-\$7.19	-\$7.19
539641	William V. MacGill & Co.	Chula Vista Middle School1		RQ17017428	5	ea	Probe Covers Sure Temp	\$10.69	\$53.45
539641	William V. MacGill & Co.	Chula Vista Middle School2		RQ17017428	1	ea	Vision Cabinet	\$232.75	\$232.75
539641	William V. MacGill & Co.	Chula Vista Middle School3		RQ17017428	1	ea	Adjustable Stand	\$90.00	\$90.00
539641	William V. MacGill & Co.	Chula Vista Middle School4		RQ17017428	1	ea	Table Stand	\$28.50	\$28.50
539641	William V. MacGill & Co.	Chula Vista Middle School5		RQ17017428	1	ea	HOVT Set	\$20.90	\$20.90
539641	William V. MacGill & Co.	Chula Vista Middle School6		RQ17017428	2	ea	Spaced SLOAN Letters	\$14.00	\$28.00
539643	School Health Corporation	Hilltop High School	1	RQ17017414	1	ea	Oral Probe	\$80.48	\$80.48
539643	School Health Corporation	Hilltop High School	2	RQ17017414	1	box	Ibuprofen Tablets 200 mg	\$24.52	\$24.52
539643	School Health Corporation	Hilltop High School	3	RQ17017414	1	ea	Pump for Foaming 16 oz	\$2.31	\$2.31
539643	School Health Corporation	Hilltop High School	4	RQ17017414	1	box	VioNex Antimicrobial Skin Wipe Towelettes 5x7,50 box	\$11.85	\$11.85
539643	School Health Corporation	Hilltop High School	5	RQ17017414	1	ea	Wound Wash Saline 7oz	\$9.17	\$9.17
539644	School Health Corporation	Bonita Vista High School	1	RQ17017860	1	ea	bactine 5 oz	\$7.48	\$7.48
539644	School Health Corporation	Bonita Vista High School	2	RQ17017860	1	bx	latex - free bandages	\$64.04	\$64.04
539644	School Health Corporation	Bonita Vista High School	3	RQ17017860	1	bx	flexible fabric knuckle	\$5.52	\$5.52

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539644	School Health Corporation	Bonita Vista High School	4	RQ17017860	2	bx	2'x4'	\$3.97	\$7.94
539644	School Health Corporation	Bonita Vista High School	5	RQ17017860	1	bx	patches	\$4.19	\$4.19
539644	School Health Corporation	Bonita Vista High School	6	RQ17017860	3	ea	therma-kool hot and cold compress	\$4.54	\$13.62
539644	School Health Corporation	Bonita Vista High School	7	RQ17017860	3	ea	therma-kool hot and cold compress	\$3.85	\$11.55
539645	Phonak Inc	Special Services	1	RQ17017529	2		Patient: STOCK, Roger inspiro	\$983.00	\$1,966.00
539645	Phonak Inc	Special Services	2	RQ17017529	2		Patient: STOCK, Roger inspiro - Adjustment per unit	-\$128.00	-\$256.00
539645	Phonak Inc	Special Services	3	RQ17017529	2		Roger X for Pediatrics (02) (silver gray)	\$926.00	\$1,852.00
539645	Phonak Inc	Special Services	4	RQ17017529	2		Roger X for Pediatrics (02) (silver gray) - Adjustment per unit	-\$120.00	-\$240.00
539645	Phonak Inc	Special Services	5	RQ17017529	1		Roger 17 for Pediatrics (02) (sand beige)	\$926.00	\$926.00
539645	Phonak Inc	Special Services	6	RQ17017529	1		Roger 17 for Pediatrics (02) (sand beige) - Adjustment per unit	-\$120.00	-\$120.00
539645	Phonak Inc	Special Services	7	RQ17017529	1		Audio-Shoe AS11 (beige)	\$50.00	\$50.00
539645	Phonak Inc	Special Services	8	RQ17017529	1		Phonak ComPilot	\$180.00	\$180.00
539646	iDesign USA Corp.	Southwest High School	1	RQ17017051	1	KIT	2017-2018 VRC In the zone full field kit. Includes all the elements required to play the 2017/18 VRC game.	\$499.95	\$499.95
539646	iDesign USA Corp.	Southwest High School	2	RQ17017051	1	EA	VEX IQ ringmaster	\$99.99	\$99.99
539646	iDesign USA Corp.	Southwest High School	3	RQ17017051	2	EA	VEX Cortex microcontroller	\$249.99	\$499.98
539646	iDesign USA Corp.	Southwest High School	4	RQ17017051	6	EA	VEXnet key 2.0	\$39.99	\$239.94
539646	iDesign USA Corp.	Southwest High School	5	RQ17017051	10	EA	2-wire motor 393	\$14.99	\$149.90
539647	School Nurse Supply, Inc.	Montgomery Middle School	1	RQ17017714	1	btL	Caladryl (Generic) Callergy Clear	\$5.17	\$5.17
539647	School Nurse Supply, Inc.	Montgomery Middle School	2	RQ17017714	2	ea	CURAD Flexible Fabric Bandages - 3/4' x 3' (100/box)	\$2.90	\$5.79
539647	School Nurse Supply, Inc.	Montgomery Middle School	3	RQ17017714	2	cs	Insta-Kool Instant Cold Compress - Standard size 6'x8 3/4' (16/case)	\$16.15	\$32.30
539647	School Nurse Supply, Inc.	Montgomery Middle School	4	RQ17017714	1	cs	Feminine Napkins - Naturelle Classic #4 (250/case)	\$55.81	\$55.81
539648	Premier School Agendas, Inc	Eastlake Middle School	1	RQ17017230	300	ea	CLAM-M10, Classic - 8x10, Middle-Matrix w/ Sum Cal-PB-Front, repeat last year's imprint, Customer # 330662.	\$2.40	\$720.00
539648	Premier School Agendas, Inc	Eastlake Middle School	2	RQ17017230	1	Lot		\$129.00	\$129.00

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539649	School Outfitters, LLC	Eastlake Middle School	1	RQ17017430	3	ea	MAS-GA05105830, Dry Erase Calendar - Four months	\$86.99	\$260.97
539650	School Outfitters, LLC	College & Career Readiness	1	RQ17017648	10	ea	DOCU-POINT EASEL	\$109.75	\$1,097.50
539651	Dick Blick Company	Granger Junior High School	1	RQ17017341	4	LOT	20913-1512 SPEEDBALL DIP NIBS NO512 BOWL PT NIB	\$0.77	\$3.08
539651	Dick Blick Company	Granger Junior High School	2	RQ17017341	4	LOT	20914-1065 SPEEDBALL PEN HOLDER 6.5IN STANDARD	\$1.10	\$4.40
539651	Dick Blick Company	Granger Junior High School	3	RQ17017341	1	lot	01655-1028 UTRECHT STUDIO ACRY BRITE WH 237ML	\$5.08	\$5.08
539651	Dick Blick Company	Granger Junior High School	4	RQ17017341	1	lot	01655-3708 UTRECHT STUDIO ACRY MD RED 237ML	\$5.08	\$5.08
539651	Dick Blick Company	Granger Junior High School	5	RQ17017341	1	lot	01655-4518 UTRECHT STUDIO ACRY LEM YEL HUE 237ML	\$5.08	\$5.08
539651	Dick Blick Company	Granger Junior High School	6	RQ17017341	1	lot	01655-5928 UTRECHT STUDIO ACRY PRIMARY BLUE 237ML	\$5.08	\$5.08
539651	Dick Blick Company	Granger Junior High School	7	RQ17017341	1	lot	01655-2108 UTRECHT STUDIO ACRY DP BLACK 237ML	\$5.08	\$5.08
539651	Dick Blick Company	Granger Junior High School	8	RQ17017341	20	lot	22866-1059 BLENDING STUMP ASSORT 5PK	\$2.83	\$56.60
539651	Dick Blick Company	Granger Junior High School	9	RQ17017341	1	lot	10209-1013 BLICK DRAWING PAPER WHT 9X12 REAM 50LB	\$7.77	\$7.77
539651	Dick Blick Company	Granger Junior High School	10	RQ17017341	1	lot	10209-1075 BLICK DRAWING PAPER WHT 12X18 REAM 50LB	\$15.57	\$15.57
539651	Dick Blick Company	Granger Junior High School	11	RQ17017341	1	lot	00711-1088 BLICKRYLIC BLCKOUT WHT 64OZ	\$11.23	\$11.23
539651	Dick Blick Company	Granger Junior High School	12	RQ17017341	1	lot	00711-4158 BLICKRYLIC CHRME YLW 64OZ	\$11.23	\$11.23
539651	Dick Blick Company	Granger Junior High School	13	RQ17017341	1	lot	00711-3118 BLICKRYLIC FIRE RED 64OZ	\$11.23	\$11.23
539651	Dick Blick Company	Granger Junior High School	14	RQ17017341	1	lot	00711-2048 BLICKRYLIC MARS BLK 64OZ	\$11.23	\$11.23
539651	Dick Blick Company	Granger Junior High School	15	RQ17017341	1	lot	00711-5018 BLICKRYLIC PRIMARY BLUE 64OZ	\$11.23	\$11.23
539651	Dick Blick Company	Granger Junior High School	16	RQ17017341	1	lot	Tax adjustment for national city	\$0.85	\$0.85
539652	Phonak Inc	Special Services	1	RQ17017526	1		Model: Roger X (02), Serial Number: 1546NYC79, Current Service Warranty Exp Date: 3/9/18, Service Warranty Exp Date after 6/30/18, Current Loss Warranty Exp Date: 3/9/18, Current Loss Warranty Exp Date after 6/30/18	\$45.00	\$45.00

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539652	Phonak Inc	Special Services	2	RQ17017526	1		Model: Roger X (02), Serial Number: 1546NYC7A, Current Service Warranty Exp Date: 3/9/18, Service Warranty Exp Date after 6/30/18, Current Loss Warranty Exp Date: 3/9/18, Current Loss Warranty Exp Date after 6/30/18	\$45.00	\$45.00
539652	Phonak Inc	Special Services	3	RQ17017526	1		Model: Roger X (02), Serial Number: 1546NYC7X, Current Service Warranty Exp Date: 3/9/18, Service Warranty Exp Date after 6/30/18, Current Loss Warranty Exp Date: 3/9/18, Current Loss Warranty Exp Date after 6/30/18	\$45.00	\$45.00
539652	Phonak Inc	Special Services	4	RQ17017526	1		Model: Roger inspiro, Serial Number: 1549NY2NU, Current Service Warranty Exp Date: 3/9/18, Service Warranty Exp Date after 6/30/18, Current Loss Warranty Exp Date: 3/9/18, Current Loss Warranty Exp Date after 6/30/18	\$45.00	\$45.00
539652	Phonak Inc	Special Services	5	RQ17017526	1		Model: Roger inspiro, Serial Number: 1549NY2P3, Current Service Warranty Exp Date: 3/9/18, Service Warranty Exp Date after 6/30/18, Current Loss Warranty Exp Date: 3/9/18, Current Loss Warranty Exp Date after 6/30/18	\$45.00	\$45.00
539652	Phonak Inc	Special Services	6	RQ17017526	1		Model: Roger inspiro, Serial Number: 1553NY0JC, Current Service Warranty Exp Date: 5/4/18, Service Warranty Exp Date after 6/30/18, Current Loss Warranty Exp Date: 5/4/18, Current Loss Warranty Exp Date after 6/30/18	\$22.50	\$22.50
539652	Phonak Inc	Special Services	7	RQ17017526	1		Model: Roger inspiro, Serial Number: 1553NY0JD, Current Service Warranty Exp Date: 5/4/18, Service Warranty Exp Date after 6/30/18, Current Loss Warranty Exp Date: 5/4/18, Current Loss Warranty Exp Date after 6/30/18	\$22.50	\$22.50
539652	Phonak Inc	Special Services	8	RQ17017526	1		Model: Roger X (02), Serial Number: 1553NY2C5, Current Service Warranty Exp Date: 5/4/18, Service Warranty Exp Date after 6/30/18, Current Loss Warranty Exp Date: 5/4/18, Current Loss Warranty Exp Date after 6/30/18	\$22.50	\$22.50

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539652	Phonak Inc	Special Services	9	RQ17017526	1		Model: Roger X (02), Serial Number: 1553NY2C7, Current Service Warranty Exp Date: 5/4/18, Service Warranty Exp Date after 6/30/18, Current Loss Warranty Exp Date: 5/4/18, Current Loss Warranty Exp Date after 6/30/18	\$22.50	\$22.50
539652	Phonak Inc	Special Services	10	RQ17017526	1		Model: Roger X (02), Serial Number: 1553NY2C8, Current Service Warranty Exp Date: 5/4/18, Service Warranty Exp Date after 6/30/18, Current Loss Warranty Exp Date: 5/4/18, Current Loss Warranty Exp Date after 6/30/18	\$22.50	\$22.50
539652	Phonak Inc	Special Services	11	RQ17017526	1		Model: Roger X (02), Serial Number: 1624NY12J, Current Service Warranty Exp Date: 5/4/18, Service Warranty Exp Date after 6/30/18, Current Loss Warranty Exp Date: no loss, Current Loss Warranty Exp Date after no loss	\$22.50	\$22.50
539653	Patterson Medical Supply, Inc	CTE (formerly ROP)	1	RQ17017233	5	Ea	Rapid Form Vac Splint Delux	\$445.29	\$2,226.45
539653	Patterson Medical Supply, Inc	CTE (formerly ROP)	2	RQ17017233	9	Ea	EPR Spider Strap Polypr Multi	\$80.73	\$726.57
539653	Patterson Medical Supply, Inc	CTE (formerly ROP)	3	RQ17017233	40	Ca	Coach Tape, 1 1/2', 32 Rolls; Alt# 32044M	\$50.92	\$2,036.80
539654	Fogarty D. Paula	Olympian High School	1	RQ17015885	1	Each	Energetics package consiting of I photosynthesis Board Kit and I Cellular Respiration Board Kit	\$125.00	\$125.00
539654	Fogarty D. Paula	Olympian High School	2	RQ17015885	7	Each	Protein Synthesis Desk Kit	\$15.00	\$105.00
539654	Fogarty D. Paula	Olympian High School	3	RQ17015885	7	Each	Cell Membrane Desk Kit	\$15.00	\$105.00
539654	Fogarty D. Paula	Olympian High School	4	RQ17015885	1	Lot	Sales Tax	\$29.32	\$29.32
539655	Markerboard People, Inc. (The)	San Ysidro High School	1	RQ17016167	2	Ea	11x16 graph board combo set	\$237.60	\$475.20
539655	Markerboard People, Inc. (The)	San Ysidro High School	2	RQ17016167	8	Ea	11x16 Graph Board	\$9.95	\$79.60
539656	Eric Armin Inc. (EAI)	Montgomery Middle School	1	RQ17016325	2	1000/pk	Patty Paper, 5.5' - 1000 sheets	\$6.95	\$13.90
539657	School Health Corporation	Hilltop Middle School	1	RQ17016337	1	box	Dynarex Tongue Depressors 6' 100/box	\$4.36	\$4.36
539657	School Health Corporation	Hilltop Middle School	2	RQ17016337	1	jar	Vaseline White Petroleum Jelly 13 Oz Jar	\$5.21	\$5.21
539657	School Health Corporation	Hilltop Middle School	3	RQ17016337	1	case	5 oz Paper Flat Bottom Cups 2500/Case	\$96.19	\$96.19

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539657	School Health Corporation	Hilltop Middle School	4	RQ17016337	2	bag	Jumbo Cotton Balls 100/Bag	\$1.28	\$2.56
539657	School Health Corporation	Hilltop Middle School	5	RQ17016337	2	box	Kendall Alcohol Prep Pads 200/ Box	\$4.23	\$8.46
539657	School Health Corporation	Hilltop Middle School	6	RQ17016337	1	each	Water-Jel Burn Jel, 4 oz Bottle	\$8.58	\$8.58
539657	School Health Corporation	Hilltop Middle School	7	RQ17016337	2	box	Gauze pad 3x3 in 100/box 12 Ply Sterile	\$8.66	\$17.32
539658	Southwest Plastic Binding Company	Bonita Vista High School	1	RQ17016443	8	roll	Laminating Film, 2 1/4 core, 3 mil, 25x250	\$37.49	\$299.92
539659	Dick Blick Company	Otay Ranch HS	1	RQ17016435	12	ea	Watercolor Pad	\$10.07	\$120.84
539659	Dick Blick Company	Otay Ranch HS	2	RQ17016435	10	ea	Male Mannikin	\$3.97	\$39.70
539659	Dick Blick Company	Otay Ranch HS	3	RQ17016435	10	ea	Femaile Mannikin	\$3.97	\$39.70
539659	Dick Blick Company	Otay Ranch HS	4	RQ17016435	10	ea	6' aluminum ruler	\$2.45	\$24.50
539659	Dick Blick Company	Otay Ranch HS	5	RQ17016435	10	ea	18' aluminum ruler	\$3.94	\$39.40
539660	Dick Blick Company	Otay Ranch HS	1	RQ17016442	1	set	DB Artist Acrylic/set 12 Tole	\$26.60	\$26.60
539660	Dick Blick Company	Otay Ranch HS	2	RQ17016442	1	set	DB Artist Acrylic/Set 6 Earth Set	\$13.71	\$13.71
539660	Dick Blick Company	Otay Ranch HS	3	RQ17016442	1	set	Prisma Color Pencils/132 Color Tin Set	\$67.92	\$67.92
539660	Dick Blick Company	Otay Ranch HS	4	RQ17016442	1	ea	Copic Opaque White/10 ML Brush	\$5.47	\$5.47
539660	Dick Blick Company	Otay Ranch HS	5	RQ17016442	1	PC	Copic Sketch MKR Set/Sketching GRYS 6/PC	\$27.39	\$27.39
539660	Dick Blick Company	Otay Ranch HS	6	RQ17016442	2	sets	Prima Color Penicls /ASST Set 72	\$38.98	\$77.96
539661	Dick Blick Company	Bonita Vista High School	1	RQ17016758	3	ea	Blick Canvas Panels	\$71.01	\$213.03
539661	Dick Blick Company	Bonita Vista High School	2	RQ17016758	13	ea	Reeves Acrylic Set	\$9.44	\$122.72
539661	Dick Blick Company	Bonita Vista High School	3	RQ17016758	1	ea	Dynasty Golden Taklon Brushes	\$121.78	\$121.78
539661	Dick Blick Company	Bonita Vista High School	4	RQ17016758	1	ea	Dynasty Ruby Student Brushes	\$60.89	\$60.89
539662	Dick Blick Company	Montgomery Middle School	1	RQ17016780	1	ea	Reeves Pencil School Pack - Sketch, Set of 144	\$58.90	\$58.90
539662	Dick Blick Company	Montgomery Middle School	2	RQ17016780	1	ea	Chromacryl Acrylic Essentials - Primary Colors, Set of 6, Half gallons	\$81.45	\$81.45
539662	Dick Blick Company	Montgomery Middle School	3	RQ17016780	1	ea	Blick Student Grade Tempera - White, Gallon	\$12.98	\$12.98
539662	Dick Blick Company	Montgomery Middle School	4	RQ17016780	1	ea	Blick Student Grade Tempera - Blue, Gallon	\$12.98	\$12.98
539662	Dick Blick Company	Montgomery Middle School	5	RQ17016780	1	ea	Blick Student Grade Tempera - Black, Gallon	\$12.98	\$12.98

Purchase Order Listing Detail

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539663	Association for Unmanned Vehicle Systems	Mar Vista Academy	1	RQ17016721	8	Kit	SeaPerch ROV Kits	\$179.00	\$1,432.00
539663	Association for Unmanned Vehicle Systems	Mar Vista Academy	2	RQ17016721	1	Kit	ToolKit	\$249.00	\$249.00
539664	Dick Blick Company	Bonita Vista High School	1	RQ17016771	15	ea	Blick Multi-purpose Glue	\$1.01	\$15.15
539664	Dick Blick Company	Bonita Vista High School	2	RQ17016771	5	pk	Riverside Construction Paper - black 18x24'	\$5.47	\$27.35
539664	Dick Blick Company	Bonita Vista High School	3	RQ17016771	2	ea	Star Products Portfolio	\$9.15	\$18.30
539664	Dick Blick Company	Bonita Vista High School	4	RQ17016771	4	pk	Sharpie Metallic Markers- silver	\$2.81	\$11.24
539664	Dick Blick Company	Bonita Vista High School	5	RQ17016771	4	pk	Sharpie Metallic Markers - gold	\$2.81	\$11.24
539664	Dick Blick Company	Bonita Vista High School	6	RQ17016771	24	pk	Blick colored pencils - 12 pk	\$1.47	\$35.28
539664	Dick Blick Company	Bonita Vista High School	7	RQ17016771	24	ea	Blick black colored pencils	\$0.80	\$19.20
539664	Dick Blick Company	Bonita Vista High School	8	RQ17016771	3	ea	Weber turpenoid - 4 oz	\$4.02	\$12.06
539664	Dick Blick Company	Bonita Vista High School	9	RQ17016771	1	pk	Dynasty Brushes round	\$121.78	\$121.78
539664	Dick Blick Company	Bonita Vista High School	10	RQ17016771	24	pint	Blick Essentials Tempera - black	\$2.09	\$50.16
539664	Dick Blick Company	Bonita Vista High School	11	RQ17016771	24	pint	Blick Essentials Tempera - yellow	\$2.09	\$50.16
539664	Dick Blick Company	Bonita Vista High School	12	RQ17016771	36	pint	Blick Essentials Tempera - white	\$2.09	\$75.24
539664	Dick Blick Company	Bonita Vista High School	13	RQ17016771	24	pint	Blick Essentials Tempera - red	\$2.09	\$50.16
539664	Dick Blick Company	Bonita Vista High School	14	RQ17016771	24	pint	Blick Essentials Tempera - blue	\$2.09	\$50.16
539665	Dick Blick Company	Bonita Vista High School	1	RQ17016791	12	ea	Blick essentials tempera - turquoise	\$2.09	\$25.08
539665	Dick Blick Company	Bonita Vista High School	2	RQ17016791	3	ea	Blick Essentials Tempera - treasure gold	\$2.66	\$7.98
539665	Dick Blick Company	Bonita Vista High School	3	RQ17016791	1	ea	Blick Studio Synthetic 3/0	\$4.11	\$4.11
539665	Dick Blick Company	Bonita Vista High School	4	RQ17016791	1	ea	Blick Studio Synthetic 1/2' wash	\$8.34	\$8.34
539665	Dick Blick Company	Bonita Vista High School	5	RQ17016791	1	ea	Blick Studio Synthetic - size 2	\$4.90	\$4.90
539665	Dick Blick Company	Bonita Vista High School	6	RQ17016791	8	pad	Blick tracing paper 9'x12'	\$3.20	\$25.60
539665	Dick Blick Company	Bonita Vista High School	7	RQ17016791	1	kit	Mona Lisa gold leaf kit	\$10.25	\$10.25
539665	Dick Blick Company	Bonita Vista High School	8	RQ17016791	12	ea	Hand-held sharpener	\$0.59	\$7.08
539665	Dick Blick Company	Bonita Vista High School	9	RQ17016791	4	ea	Pilot G2 gel pen ultra fine - black	\$1.65	\$6.60
539665	Dick Blick Company	Bonita Vista High School	10	RQ17016791	3	ea	Pilot G2 gel pen fine - black	\$1.65	\$4.95
539665	Dick Blick Company	Bonita Vista High School	11	RQ17016791	1	ea	Speedball India Ink	\$11.22	\$11.22
539665	Dick Blick Company	Bonita Vista High School	12	RQ17016791	4	btl	Higgins Black Magic Ink	\$3.65	\$14.60

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539665	Dick Blick Company	Bonita Vista High School	13	RQ17016791	1	kit	Jacquard tie dye kit	\$12.65	\$12.65
539665	Dick Blick Company	Bonita Vista High School	14	RQ17016791	1	ea	Display line with clips	\$11.96	\$11.96
539665	Dick Blick Company	Bonita Vista High School	15	RQ17016791	2	pkg	#13 blunt tapestry needle	\$3.79	\$7.58
539665	Dick Blick Company	Bonita Vista High School	16	RQ17016791	1	bx	Jumbo craft sticks	\$6.08	\$6.08
539665	Dick Blick Company	Bonita Vista High School	17	RQ17016791	2	pkg	Wooden dowl rods	\$6.49	\$12.98
539665	Dick Blick Company	Bonita Vista High School	18	RQ17016791	1	ea	Blick painter's tape	\$4.54	\$4.54
539665	Dick Blick Company	Bonita Vista High School	19	RQ17016791	3	ea	Elmer's glue sticks	\$10.40	\$31.20
539665	Dick Blick Company	Bonita Vista High School	20	RQ17016791	36	ea	Charcoal pencils - white	\$0.72	\$25.92
539665	Dick Blick Company	Bonita Vista High School	21	RQ17016791	36	ea	Charcoal pencils - 4b black	\$0.72	\$25.92
539665	Dick Blick Company	Bonita Vista High School	22	RQ17016791	4	set	Sharpie ultra fine marker set	\$14.66	\$58.64
539666	Dick Blick Company	Bonita Vista High School	1	RQ17016824	1	set	Sharpie fine point marker set	\$14.66	\$14.66
539666	Dick Blick Company	Bonita Vista High School	2	RQ17016824	6	ea	Pilot gold making pens	\$2.62	\$15.72
539666	Dick Blick Company	Bonita Vista High School	3	RQ17016824	6	ea	Pilot silver marking pen	\$2.62	\$15.72
539666	Dick Blick Company	Bonita Vista High School	4	RQ17016824	4	ea	Sharpie paint marker - black bold point	\$4.05	\$16.20
539666	Dick Blick Company	Bonita Vista High School	5	RQ17016824	6	ea	Sharpie medium point paint marker - black	\$2.81	\$16.86
539666	Dick Blick Company	Bonita Vista High School	6	RQ17016824	1	ea	Sharpie white bold marker	\$4.05	\$4.05
539666	Dick Blick Company	Bonita Vista High School	7	RQ17016824	1	ea	Sharpie medium point marker - white	\$2.81	\$2.81
539666	Dick Blick Company	Bonita Vista High School	8	RQ17016824	5	ea	Pilot super color markers - black	\$1.04	\$5.20
539666	Dick Blick Company	Bonita Vista High School	9	RQ17016824	48	ea	Sharpie ultra fine black markers	\$0.82	\$39.36
539666	Dick Blick Company	Bonita Vista High School	10	RQ17016824	48	ea	Sharpie fine point black markers	\$0.82	\$39.36
539666	Dick Blick Company	Bonita Vista High School	11	RQ17016824	15	ea	Maped hand held sharpener	\$0.59	\$8.85
539666	Dick Blick Company	Bonita Vista High School	12	RQ17016824	1	ea	Assorted metallized beads	\$8.86	\$8.86
539666	Dick Blick Company	Bonita Vista High School	13	RQ17016824	1	pk	Smart Fab Fabric Sheets	\$7.94	\$7.94
539666	Dick Blick Company	Bonita Vista High School	14	RQ17016824	15	ea	Armada teacher's scissors	\$1.89	\$28.35
539667	Dick Blick Company	San Ysidro High School	1	RQ17016852	5	Ea	Deluxe Pop-In-Acrylic Brayer	\$8.06	\$40.30
539667	Dick Blick Company	San Ysidro High School	2	RQ17016852	4	Ea	Acrylic Sheet 11'x14'	\$4.10	\$16.40
539668	Dick Blick Company	Eastlake Middle School	1	RQ17016861	3	ea	prismacolor premier colored pencil - white	\$1.13	\$3.39
539668	Dick Blick Company	Eastlake Middle School	2	RQ17016861	1	set	princeton select value brush set	\$4.41	\$4.41
539668	Dick Blick Company	Eastlake Middle School	3	RQ17016861	1	set	princeton select value brush set of 15	\$8.79	\$8.79
539668	Dick Blick Company	Eastlake Middle School	4	RQ17016861	7	pad	strathmore 400 serier acrylic pad 18' x 24' sheets	\$19.81	\$138.67

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539669	Oriental Trading Company, Inc	Olympian High School	1	RQ17016832	2	DZ	PAINT CHIP MOTIVATIONAL STRESS BALLS	\$14.99	\$29.98
539669	Oriental Trading Company, Inc	Olympian High School	2	RQ17016832	4	EA	POM-POM ASSORTMENT (12 PC)	\$11.99	\$47.96
539669	Oriental Trading Company, Inc	Olympian High School	3	RQ17016832	1	DZ	TURQUOISE TISSUE HANGING FANS ASST	\$11.99	\$11.99
539669	Oriental Trading Company, Inc	Olympian High School	4	RQ17016832	2	DZ	YELLOW ROUND CLAPPER	\$7.49	\$14.98
539669	Oriental Trading Company, Inc	Olympian High School	5	RQ17016832	1	EA	TISSUE SUN DECORATION	\$2.99	\$2.99
539669	Oriental Trading Company, Inc	Olympian High School	6	RQ17016832	1	ST	TROPICAL BEACH BACKDROP BANNER (3PC)	\$17.99	\$17.99
539669	Oriental Trading Company, Inc	Olympian High School	7	RQ17016832	3	EA	DR. SEUSS OH THE PLACES PAPER CUT OUTS	\$5.99	\$17.97
539669	Oriental Trading Company, Inc	Olympian High School	8	RQ17016832	1	EA	SUPER HERO BULLETIN BOARD	\$11.99	\$11.99
539669	Oriental Trading Company, Inc	Olympian High School	9	RQ17016832	1	EA	GEAR SHAPED CUTOUTS	\$4.49	\$4.49
539669	Oriental Trading Company, Inc	Olympian High School	10	RQ17016832	4	EA	JUMBO FOAM LETTER	\$6.47	\$25.88
539669	Oriental Trading Company, Inc	Olympian High School	11	RQ17016832	6	EA	MINI PORCUPINE BALLS (6DZ)	\$8.99	\$53.94
539669	Oriental Trading Company, Inc	Olympian High School	12	RQ17016832	4	EA	21 7 DR SEUSS BLACK LETTERS	\$8.99	\$35.96
539669	Oriental Trading Company, Inc	Olympian High School	13	RQ17016832	1	DZ	TISSUE FLOWER DECORATIONS	\$7.49	\$7.49
539669	Oriental Trading Company, Inc	Olympian High School	14	RQ17016832	1	EA	BULLETIN BOARD SET - MINI - DR. SEUSS	\$8.25	\$8.25
539669	Oriental Trading Company, Inc	Olympian High School	15	RQ17016832	1	DZ	LUAU PHOTO STICK PROPS	\$7.99	\$7.99
539669	Oriental Trading Company, Inc	Olympian High School	16	RQ17016832	2	EA	SUPERHERO ROLL STICKERS	\$2.49	\$4.98
539669	Oriental Trading Company, Inc	Olympian High School	17	RQ17016832	4	EA	BULLETIN BOARD LETTERS SUPER PACK	\$8.99	\$35.96
539669	Oriental Trading Company, Inc	Olympian High School	18	RQ17016832	1	DZ	CARNIVAL DESIGN POTATO SACK	\$16.99	\$16.99
539669	Oriental Trading Company, Inc	Olympian High School	19	RQ17016832	1	DZ	GRAD MOST LIKELY PHOTO PROPS	\$7.49	\$7.49
539669	Oriental Trading Company, Inc	Olympian High School	20	RQ17016832	1	EA	BULLETIN BOARD SUPERHERO BURST CUTOUTS	\$4.49	\$4.49
539669	Oriental Trading Company, Inc	Olympian High School	21	RQ17016832	1	EA	BLUE BLANK DOUBLE ROLL TICKETS	\$7.49	\$7.49

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539669	Oriental Trading Company, Inc	Olympian High School	22	RQ17016832	1	EA	1 DR. SEUSS DIRECTION YOU CHOOSE BANNER	\$5.49	\$5.49
539669	Oriental Trading Company, Inc	Olympian High School	23	RQ17016832	12	EA	BLUE SELF ADHESIVE WRIST TCKTS 100 PC	\$8.99	\$107.88
539669	Oriental Trading Company, Inc	Olympian High School	24	RQ17016832	2	DZ	GOLD METALLIC HANGING FANS	\$11.99	\$23.98
539669	Oriental Trading Company, Inc	Olympian High School	25	RQ17016832	1	EA	HALL PASSES LANYARDS	\$9.99	\$9.99
539669	Oriental Trading Company, Inc	Olympian High School	26	RQ17016832	1	DZ	CHARACTER TEAR DROP STRESS TOY	\$14.99	\$14.99
539669	Oriental Trading Company, Inc	Olympian High School	27	RQ17016832	1	EA	DOOR DECORATION DR. SEUSS WELCOME GO	\$7.50	\$7.50
539669	Oriental Trading Company, Inc	Olympian High School	28	RQ17016832	1	EA	SUPERHERO TAPE	\$2.79	\$2.79
539669	Oriental Trading Company, Inc	Olympian High School	29	RQ17016832	2	DZ	BRIGHT ASSORTED TISSUE FANS	\$11.99	\$23.98
539669	Oriental Trading Company, Inc	Olympian High School	30	RQ17016832	4	EA	BRIGHT COLOR INDEX CARDS 4'X6'	\$5.99	\$23.96
539669	Oriental Trading Company, Inc	Olympian High School	31	RQ17016832	1	EA	PHOTO BOOTH INSTRUCTIONS SIGN	\$6.75	\$6.75
539669	Oriental Trading Company, Inc	Olympian High School	32	RQ17016832	1	EA	BULLETIN BOARD SUPERHERO BURST CUTOUTS	\$4.49	\$4.49
539669	Oriental Trading Company, Inc	Olympian High School	33	RQ17016832	1	EA	36 DR. SEUSS FISH ACCENTS	\$6.99	\$6.99
539669	Oriental Trading Company, Inc	Olympian High School	34	RQ17016832	1	EA	DR. SEUSS CHARACTER BULLETIN BOARD CUTO	\$4.99	\$4.99
539669	Oriental Trading Company, Inc	Olympian High School	35	RQ17016832	1	ST	SURFS UP SURFBOARD BACKDROP BANNER	\$17.99	\$17.99
539669	Oriental Trading Company, Inc	Olympian High School	36	RQ17016832	4	EA	BLACK BULLETIN BOARD LETTERS	\$4.99	\$19.96
539669	Oriental Trading Company, Inc	Olympian High School	37	RQ17016832	2	ST	JUMBO PAINTING SET WALL CUT OUTS (2PC)	\$7.49	\$14.98
539669	Oriental Trading Company, Inc	Olympian High School	38	RQ17016832	2	EA	MEGA STICK PEN ASSORTMENT	\$33.99	\$67.98
539669	Oriental Trading Company, Inc	Olympian High School	39	RQ17016832	1	DZ	SURF'S UP PHOTO STICK PROPS	\$7.49	\$7.49
539669	Oriental Trading Company, Inc	Olympian High School	40	RQ17016832	2	EA	SUPERHERO WORD CUTOUTS	\$6.99	\$13.98

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539669	Oriental Trading Company, Inc	Olympian High School	41	RQ17016832	2	EA	MEGA NAME TAG/LABEL ASSORTMENT. CONSISTS OF: PENCIL SHAPED NAME TAGS, PRIMARY COLORED NAME TAGS, OWL NAME TAGS, SCHOOL BUS NAME TAGS, APPLE PRINT NAME TAGS, B&W NAME TAGS, HIBISCUS PRINT NAME TAGS, BUMBLE BEE NAME TAGS, ANIMAL PRINT NAME TAGS AND SUPERHERO NAME TAGS.	\$39.99	\$79.98
539669	Oriental Trading Company, Inc	Olympian High School	43	RQ17016832	1	LOT	DISCOUNT -	-\$42.17	-\$42.17
539670	Dick Blick Company	Bonita Vista High School	1	RQ17016943	3	ea	Lily sugar n cream yarn-white	\$1.87	\$5.61
539670	Dick Blick Company	Bonita Vista High School	2	RQ17016943	2	ea	Lily sugar n cream yarn-wine	\$1.87	\$3.74
539670	Dick Blick Company	Bonita Vista High School	3	RQ17016943	2	ea	Lily sugar n cream yarn-sage	\$1.87	\$3.74
539670	Dick Blick Company	Bonita Vista High School	4	RQ17016943	10	ea	Wooden Ruler 18'	\$1.84	\$18.40
539670	Dick Blick Company	Bonita Vista High School	5	RQ17016943	36	ea	Blick kneaded erasers	\$0.45	\$16.20
539670	Dick Blick Company	Bonita Vista High School	6	RQ17016943	1	pk	Blick 80# drawing paper 18x24'	\$10.46	\$10.46
539670	Dick Blick Company	Bonita Vista High School	7	RQ17016943	1	ream	Blick 60# drawing paper 12x18'	\$19.17	\$19.17
539670	Dick Blick Company	Bonita Vista High School	8	RQ17016943	1	ream	Blick manila drawing paper	\$24.18	\$24.18
539671	Aristotle Corporation	Castle Park High School	1	RQ17015751	14	ea	Extra-Large Graph Paper Pad	\$12.50	\$175.00
539671	Aristotle Corporation	Castle Park High School	2	RQ17015751	9	EA	Grid Rolls 1/2 grid	\$23.16	\$208.44
539671	Aristotle Corporation	Castle Park High School	3	RQ17015751	2	EA	Bulk 2-Color Counters	\$20.44	\$40.88
539671	Aristotle Corporation	Castle Park High School	4	RQ17015751	40	EA	NASCO'S DOUBLE-SIDED CENTIMETER GRID DRY-ERASE BOARD	\$2.85	\$114.00
539671	Aristotle Corporation	Castle Park High School	5	RQ17015751	4	EA	Bucket of Dice	\$14.37	\$57.48
539671	Aristotle Corporation	Castle Park High School	6	RQ17015751	20	SET	Playing Cards - Giant Face	\$5.57	\$111.40
539671	Aristotle Corporation	Castle Park High School	7	RQ17015751	1	EA	Cash Pax Money Briefcase	\$30.56	\$30.56
539671	Aristotle Corporation	Castle Park High School	8	RQ17015751	1	EA	Magnetic Money Accents	\$8.93	\$8.93
539671	Aristotle Corporation	Castle Park High School	9	RQ17015751	1	EA	DiscountGame	\$17.43	\$17.43
539671	Aristotle Corporation	Castle Park High School	10	RQ17015751	140	EA	UltraFlex Safe-T 12' Ruler	\$0.75	\$105.00
539671	Aristotle Corporation	Castle Park High School	11	RQ17015751	60	EA	6' Protractor with Swing Arm	\$1.36	\$81.60
539671	Aristotle Corporation	Castle Park High School	12	RQ17015751	75	EA	SAFE-T Compass	\$0.98	\$73.50
539671	Aristotle Corporation	Castle Park High School	13	RQ17015751	5	EA	METERSTICKS	\$2.00	\$10.00

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539671	Aristotle Corporation	Castle Park High School	14	RQ17015751	8	EA	Patty Paper	\$6.38	\$51.04
539671	Aristotle Corporation	Castle Park High School	15	RQ17015751	9	EA	Classroom Storage Caddies Medium Yellow Caddy	\$6.63	\$59.67
539672	Aristotle Corporation	Montgomery Middle School	1	RQ17016314	1	SET	Hex-a-Link - set of 1,000	\$53.13	\$53.13
539673	iDesign USA Corp.	Hilltop Middle School	1	RQ17017750	2	ea	Dual Control Starter Kit PN:276-2700	\$539.99	\$1,079.98
539674	VEX Robotics, Inc.	Hilltop Middle School	1	RQ17017839	1	ea	276-5544, VRC in the Zone Field Element Kit .	\$159.99	\$159.99
539674	VEX Robotics, Inc.	Hilltop Middle School	2	RQ17017839	1	ea	276-5817, VRC In the Zone Field Element Kit	\$20.00	\$20.00
539674	VEX Robotics, Inc.	Hilltop Middle School	3	RQ17017839	1	ea	276-5370, VRC In the Zone - Game Element Kit.	\$79.99	\$79.99
539674	VEX Robotics, Inc.	Hilltop Middle School	4	RQ17017839	1	Lot	Shipping & Handling	\$36.53	\$36.53
539675	D. Hauptman Co.	Mar Vista High School	1	RQ17016700	1	EA	Semi permanent 4 round soccer goals	\$1,595.00	\$1,595.00
539675	D. Hauptman Co.	Mar Vista High School	2	RQ17016700	1	EA	8' x 24' heavy duty 4 mm jumbo nets with depth	\$150.00	\$150.00
539675	D. Hauptman Co.	Mar Vista High School	3	RQ17016700	1	EA	Back bottom bars for semi permanent goals-pair	\$200.00	\$200.00
539675	D. Hauptman Co.	Mar Vista High School	4	RQ17016700	1	EA	Perm anent wheels for semi permanent goals round or square set of 4	\$250.00	\$250.00
539676	Home Depot	Castle Park High School	1	RQ17017057	2	EA	HUSKY 25 PC SCREWDRIVER SET	\$29.97	\$59.94
539676	Home Depot	Castle Park High School	2	RQ17017057	4	EA	STANLEY DEEP PRO ORGANIZER	\$17.97	\$71.88
539676	Home Depot	Castle Park High School	3	RQ17017057	1	EA	14-3 NM W/G 250 FT	\$62.74	\$62.74
539676	Home Depot	Castle Park High School	4	RQ17017057	20	EA	NEW WORK 1G 18CU	\$0.27	\$5.40
539676	Home Depot	Castle Park High School	5	RQ17017057	1	EA	TWS WATERPROOFING WOOD PROTECTOR 5G	\$59.00	\$59.00
539676	Home Depot	Castle Park High School	6	RQ17017057	2	EA	FLAT & LOCK WASHER KIT ZP 320 PCS	\$3.98	\$7.96
539676	Home Depot	Castle Park High School	7	RQ17017057	1	EA	PAINT CARE FEE/ECO FEE	\$1.60	\$1.60
539676	Home Depot	Castle Park High School	8	RQ17017057	2	EA	METRIC NUT & WASHR KIT ZP 59 PC	\$4.98	\$9.96
539676	Home Depot	Castle Park High School	9	RQ17017057	2	EA	HOLLOW WALL ASSORTMENT KIT	\$6.94	\$13.88
539676	Home Depot	Castle Park High School	10	RQ17017057	2	EA	WOOD SCREW ASSORTMENT KIT	\$6.50	\$13.00
539676	Home Depot	Castle Park High School	11	RQ17017057	1	EA	5' DISTINCTION ELEVATED # 1 NICKEL	\$5.99	\$5.99
539676	Home Depot	Castle Park High School	12	RQ17017057	12	EA	PLASTIC KEYLESS LAMP HOLDER	\$1.38	\$16.56
539676	Home Depot	Castle Park High School	13	RQ17017057	2	EA	VINYL ELECT. TAPE 3/4 IN. X 60 FT.	\$0.79	\$1.58
539676	Home Depot	Castle Park High School	14	RQ17017057	2	EA	15A SP WHT SWITCH 10PK	\$4.94	\$9.88
539676	Home Depot	Castle Park High School	15	RQ17017057	2	EA	15A WHT NYLON DUPLEX OUTLET 10PK	\$4.90	\$9.80

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539676	Home Depot	Castle Park High School	16	RQ17017057	3	EA	3-PACK 15A BLK/RD TAMPER GFCL, WHITE	\$42.00	\$126.00
539676	Home Depot	Castle Park High School	17	RQ17017057	6	EA	6' WIRE STRIPPER CUTTER	\$8.98	\$53.88
539676	Home Depot	Castle Park High School	18	RQ17017057	2	EA	1/2' WASHING MACHINE VALVE COMP	\$6.82	\$13.64
539676	Home Depot	Castle Park High School	19	RQ17017057	9	EA	1G WHT DECORA WALLPLT	\$0.65	\$5.85
539676	Home Depot	Castle Park High School	20	RQ17017057	1	EA	BURST PRO3/4X3/4X72 WM CONN 90EL-2PK	\$28.81	\$28.81
539676	Home Depot	Castle Park High School	21	RQ17017057	1	EA	100PC CONICAL ANCHOR KIT	\$5.98	\$5.98
539676	Home Depot	Castle Park High School	22	RQ17017057	1	EA	4 OUTLET 3 FT CORD POWER SURGE	\$5.97	\$5.97
539676	Home Depot	Castle Park High School	24	RQ17017057	1	ea	Curbside delivery added but fee waived by Patty Frantz 5/16	\$0.00	\$0.00
539677	Think Social Publishing, Special Services Inc.		1	RQ17017746	2		Social Behavior Mapping - Connecting Behavior, Emotions and Consequences	\$24.00	\$48.00
539677	Think Social Publishing, Special Services Inc.		2	RQ17017746	2		Across the Day Social Thinking Thinksheets for Tweens and Teens: Learning to Read In-Between the Social Lines	\$34.00	\$68.00
539677	Think Social Publishing, Special Services Inc.		3	RQ17017746	2		Think Social! A Social Thinkiing Curriculum for School-Age Students	\$86.00	\$172.00
539677	Think Social Publishing, Special Services Inc.		4	RQ17017746	2		Four Posters for the classroom & Treatment Room	\$40.00	\$80.00
539678	Berry's Athletic Supply, Mar Vista High School Inc.		1	RQ17017745	4	dz	Dudley Cork Center Leather Fast Pitch CFP NFHS	\$74.99	\$299.96
539679	Pearson Education, Inc. Special Services		1	RQ17017755	1	ea	KABC-II Complete Kit	\$963.00	\$963.00
539679	Pearson Education, Inc. Special Services		2	RQ17017755	1	ea	WIAT-III BASIC KIT	\$561.35	\$561.35
539680	Follett School Solutions, Sweetwater High School Inc.		1	RQ17016715	1	ea	511VQQ8 - Evslin Bernard: Teh adventures of Ulysses	\$13.99	\$13.99
539680	Follett School Solutions, Sweetwater High School Inc.		2	RQ17016715	1	ea	507SCCO Coelho, Paulo: The achemist	\$12.99	\$12.99
539680	Follett School Solutions, Sweetwater High School Inc.		3	RQ17016715	1	ea	513WWP0 Woodward. Susan R.: The alchemist	\$39.95	\$39.95
539680	Follett School Solutions, Sweetwater High School Inc.		4	RQ17016715	1	ea	1225SC8 [Multi-Volume Set] Animal Farm	\$80.00	\$80.00
539680	Follett School Solutions, Sweetwater High School Inc.		5	RQ17016715	1	ea	508RII2 Orwell, George: Animal farm : a fairly	\$12.00	\$12.00
539680	Follett School Solutions, Sweetwater High School Inc.		6	RQ17016715	1	ea	5479GGX Shelley, Mary Wollstonecraft: Frankenstein	\$12.48	\$12.48
539680	Follett School Solutions, Sweetwater High School Inc.		7	RQ17016715	1	ea	513WUT9 Collins, Mary B: Frankenstein : a complete	\$39.95	\$39.95

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539680	Follett School Solutions, Sweetwater High School Inc.		8	RQ17016715	2	ea	5288WJ0 Bronte, Charlotte: Jane Eyre	\$19.99	\$39.98
539680	Follett School Solutions, Sweetwater High School Inc.		9	RQ17016715	1	ea	524SMB8 Alcott, Louisa May: Little women	\$9.99	\$9.99
539680	Follett School Solutions, Sweetwater High School Inc.		10	RQ17016715	1	ea	5288WG6 Alcott, Louisa May: Little women, or, MegJo, Beth and Amy -- First Avenue Editions	\$19.99	\$19.99
539680	Follett School Solutions, Sweetwater High School Inc.		11	RQ17016715	1	ea	1225QC3 [Multi-Volume Set] Night Whelan, Piper: Night	\$80.00	\$80.00
539680	Follett School Solutions, Sweetwater High School Inc.		12	RQ17016715	1	ea	501LQN5 Wiesel, Elie: Night -- Hill and Wang	\$15.00	\$15.00
539680	Follett School Solutions, Sweetwater High School Inc.		13	RQ17016715	1	ea	513XBS9 Linde, Barbara M: Night : a complete teacher's manual -- Teacher's Pet Publications, 1998	\$39.95	\$39.95
539681	Follett School Solutions, Olympian High School Inc.		1	RQ17017675	2	ea	1,471 ACT practice questions	\$17.04	\$34.08
539681	Follett School Solutions, Olympian High School Inc.		2	RQ17017675	2	ea	6 practice tests for the SAT	\$15.34	\$30.68
539681	Follett School Solutions, Olympian High School Inc.		3	RQ17017675	2	ea	9 Practice Tests for the Sat, 2018 Edition	\$18.74	\$37.48
539681	Follett School Solutions, Olympian High School Inc.		4	RQ17017675	2	ea	Cracking the ACT	\$17.04	\$34.08
539681	Follett School Solutions, Olympian High School Inc.		5	RQ17017675	2	ea	Cracking the AP Biology	\$16.19	\$32.38
539681	Follett School Solutions, Olympian High School Inc.		6	RQ17017675	2	ea	Cracking the AP Calculus AB	\$17.04	\$34.08
539681	Follett School Solutions, Olympian High School Inc.		7	RQ17017675	2	ea	Cracking the AP Calculus BC	\$17.04	\$34.08
539681	Follett School Solutions, Olympian High School Inc.		8	RQ17017675	2	ea	Cracking the AP chemistry	\$16.19	\$32.38
539681	Follett School Solutions, Olympian High School Inc.		9	RQ17017675	2	ea	Cracking the AP English Language exam	\$15.35	\$30.70
539681	Follett School Solutions, Olympian High School Inc.		10	RQ17017675	2	ea	Cracking the AP English literature exam	\$15.35	\$30.70
539681	Follett School Solutions, Olympian High School Inc.		11	RQ17017675	2	ea	Cracking the AP European exam	\$16.19	\$32.38
539681	Follett School Solutions, Olympian High School Inc.		12	RQ17017675	2	ea	Cracking the AP human geo	\$16.19	\$32.38
539681	Follett School Solutions, Olympian High School Inc.		13	RQ17017675	2	ea	Cracking the AP physics C	\$17.04	\$34.08
539681	Follett School Solutions, Olympian High School Inc.		14	RQ17017675	2	ea	Cracking the AP psychology exam	\$15.35	\$30.70

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539681	Follett School Solutions, Olympian High School Inc.		15	RQ17017675	2	ea	Cracking the AP Spanish language & culture exam	\$22.14	\$44.28
539681	Follett School Solutions, Olympian High School Inc.		16	RQ17017675	2	ea	Cracking the AP statistics exam	\$17.04	\$34.08
539681	Follett School Solutions, Olympian High School Inc.		17	RQ17017675	2	ea	Cracking the AP U.S. government exam	\$16.19	\$32.38
539681	Follett School Solutions, Olympian High School Inc.		18	RQ17017675	2	ea	Cracking the ASVAB	\$17.04	\$34.08
539681	Follett School Solutions, Olympian High School Inc.		19	RQ17017675	2	ea	Cracking the PSAT/NMSQT	\$12.79	\$25.58
539681	Follett School Solutions, Olympian High School Inc.		20	RQ17017675	2	ea	Cracking the SAT Premium	\$30.74	\$61.48
539681	Follett School Solutions, Olympian High School Inc.		21	RQ17017675	2	ea	Cracking the SAT with 5 Practice Tests, 2018 Edition	\$18.74	\$37.48
539681	Follett School Solutions, Olympian High School Inc.		22	RQ17017675	1	ea	A dog's journey, Cameron W. Bruce, hardcover	\$21.39	\$21.39
539681	Follett School Solutions, Olympian High School Inc.		23	RQ17017675	1	ea	A dog's purpose, Cameron W. Bruce, hardcover	\$20.54	\$20.54
539681	Follett School Solutions, Olympian High School Inc.		24	RQ17017675	1	ea	The dogs of Christmas, Cameron W. Bruce, hardcover	\$13.74	\$13.74
539681	Follett School Solutions, Olympian High School Inc.		25	RQ17017675	2	ea	Math workout for the SAT	\$16.19	\$32.38
539681	Follett School Solutions, Olympian High School Inc.		26	RQ17017675	2	ea	Reading & writing workout	\$15.34	\$30.68
539681	Follett School Solutions, Olympian High School Inc.		27	RQ17017675	2	ea	SAT power vocab	\$11.09	\$22.18
539681	Follett School Solutions, Olympian High School Inc.		28	RQ17017675	4	ea	MLA Handbook, 8th Edition	\$15.00	\$60.00
539681	Follett School Solutions, Olympian High School Inc.		29	RQ17017675	1	lot	Cataloging and Processing for 55 books- Specs on File- Barcode Number Range: 333,019,490- 333,019,550	\$89.10	\$89.10
539682	Follett School Solutions, Southwest Middle School Inc.		1	RQ17016409	40	ea	EYE 2013 TEACHING PRACTICES FROM AMERICAN'S BEST URBAN SCHOOLS: A GUIDE FOR SCHOOL AND CLASSROOM LEADERS BY JOHNSON, JOSEPH, ULINE, CYNTHIA, PEREZ, LYNNE PUBLISHED BY ROUTLEDGE (2012)	\$34.95	\$1,398.00
539682	Follett School Solutions, Southwest Middle School Inc.		2	RQ17016409	40	ea	FES 2015 THE INNOVATOR'S MINDSET: EMPOWER LEARNING, UNLEASH TALENT, AND LEAD A CULTURE OF CREATIVITY	\$19.96	\$798.40
539683	Follett School Solutions, Southwest High School Inc.		1	RQ17017572	20	ea	Glen 2006 Traditions and Encounters	\$65.48	\$1,309.60

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539683	Follett School Solutions, Southwest High School Inc.		2	RQ17017572	30	ea	Glen 2007 anatomy and pysiology	\$76.28	\$2,288.40
539684	Follett School Solutions, Olympian High School Inc.		1	RQ17017692	1	ea	Farm Sanctuary, Baur Gene	\$13.65	\$13.65
539684	Follett School Solutions, Olympian High School Inc.		2	RQ17017692	1	ea	Processing and Cataloging for 1 book- Specs on File- Please use barcode number: 333,019,550	\$1.62	\$1.62
539685	Follett School Solutions, Sweetwater High School Inc.		1	RQ17017702	1	lot	Quote for Follett books #9171461	\$546.40	\$546.40
539685	Follett School Solutions, Sweetwater High School Inc.		2	RQ17017702	1	lot	National City Tax Adjustment	\$2.73	\$2.73
539686	United States Academic Decathlon	Chula Vista High School	1	RQ17017180	1	EA	AS1020ed ESSAY RESOURCE GUIDE	\$42.00	\$42.00
539686	United States Academic Decathlon	Chula Vista High School	2	RQ17017180	1	EA	JAB1020ed TEAM EDITION	\$484.00	\$484.00
539686	United States Academic Decathlon	Chula Vista High School	3	RQ17017180	1	EA	MB1010 CURRICULUM PACKAGE	\$618.00	\$618.00
539686	United States Academic Decathlon	Chula Vista High School	4	RQ17017180	1	EA	MK1000 ART IMAGES CD	\$25.00	\$25.00
539686	United States Academic Decathlon	Chula Vista High School	5	RQ17017180	15	EA	MN3030 NOVEL (TO BE ANNOUNCED)	\$6.50	\$97.50
539687	Line Printing Company (The)	Olympian High School	1	RQ17017136	7	ea	Stamps signature for the Counselors.	\$28.00	\$196.00
539688	Line Printing Company (The)	San Ysidro High School	1	RQ17016707	1	ea	Business cards. White Full Color 1,000/box. For Jose Brosz	\$46.00	\$46.00
539689	B&H Photo	Central Receiving	1	RQ17017077	1	ea	Nikon D3300 DSLR Camera with 18-55 mm Lens, Black (includes 1 Nikon D3300 SLR camera w/18-55 VR II Len Blk/Reg NID3301855B and 1 Sandisk ultra SD-16GB card SAUSDGBA	\$446.95	\$446.95
539689	B&H Photo	Central Receiving	2	RQ17017077	1	ea	Nikon WU-1a Wireless Mobil Adapter (Free with purchase)	\$0.00	\$0.00
539689	B&H Photo	Central Receiving	3	RQ17017077	1	ea	Watson EN-EL14A Battery Pack (Free with purchase)	\$0.00	\$0.00
539690	B&H Photo	Central Receiving	1	RQ17016955	8	ea	Projector, Epson Powerlite S27 SVGA Projector-2700 Lumens	\$358.88	\$2,871.04
539691	B&H Photo	Central Receiving	1	RQ17017566	2	ea	SENNHELSER ew 100-935 G3 WIRELESS HANDHEL MICROPHONE SYSTEM WITH e 935 Mic (626-668mhz *** must be this frequency	\$666.35	\$1,332.70
539691	B&H Photo	Central Receiving	2	RQ17017566	1	ea	SENNHEISER ew 100 ENG G3 WIRELESS MICROPHONE COMBO SYSTEM - (626-668 MHz) ***** must be the frequency	\$799.95	\$799.95

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539691	B&H Photo	Central Receiving	3	RQ17017566	1	ea	B&H Photo \$100 B&H gift card Free with purchase of SEEW100EN3A line (Serial #4197355898)	\$0.00	\$0.00
539691	B&H Photo	Central Receiving	4	RQ17017566	1	ea	GoPro Hero5 Black	\$195.02	\$195.02
539691	B&H Photo	Central Receiving	9	RQ17017566	1	ea	Sennheiser G3 Combo (B) SEEW100EN3B (replaces line 2)	\$799.95	\$799.95
539692	B&H Photo	Bonita Vista High School	1	RQ17016521	20	ea	Epson Powerlite S27 bulb - ELPLP88	\$60.00	\$1,200.00
539693	B&H Photo	Hilltop High School	1	RQ17016995	10	ea	Macally IKEY5U2 USB Keyboard B&H # MAIKS2 MFR # IKEY5U2	\$24.41	\$244.10
539694	B&H Photo	Central Receiving	1	RQ17016906	6	ea	Camera, Nikon Coolpix H20 Proof, black, AW130	\$346.95	\$2,081.70
539694	B&H Photo	Central Receiving	2	RQ17016906	2	ea	Lowepro Betlpack Camera Case	\$88.19	\$176.38
539694	B&H Photo	Central Receiving	3	RQ17016906	6	ea	Sandisk SDXC Card 64GB	\$34.25	\$205.50
539695	B&H Photo	San Ysidro High School	1	RQ17016851	1	Ea	Canon EOS Shoulder Bag 100ES (Black	\$29.35	\$29.35
539695	B&H Photo	San Ysidro High School	2	RQ17016851	12	Ea	Vivitar SD Card Reader	\$4.89	\$58.68
539696	B&H Photo	Hilltop High School	1	RQ17015694	2	Each	Activision guitar hero live (PS4)	\$65.18	\$130.36
539696	B&H Photo	Hilltop High School	2	RQ17015694	1	Each	Square enix micro machines world series (PS4)	\$29.39	\$29.39
539696	B&H Photo	Hilltop High School	3	RQ17015694	2	Each	Sony playstation move motion controller 2-pack	\$89.17	\$178.34
539696	B&H Photo	Hilltop High School	4	RQ17015694	1	Each	Take two NBA 2K17 (PS4)	\$58.79	\$58.79
539696	B&H Photo	Hilltop High School	5	RQ17015694	1	Each	Sony MLB The Show 17 (PS4)	\$58.79	\$58.79
539696	B&H Photo	Hilltop High School	6	RQ17015694	1	Each	Nintendo switch pro controller	\$69.99	\$69.99
539696	B&H Photo	Hilltop High School	7	RQ17015694	1	Each	Nintendo the legend of Zelda breach of the wild (Nintendo Switch)	\$59.99	\$59.99
539696	B&H Photo	Hilltop High School	8	RQ17015694	1	Each	Electronic Arts Madden NFL 17 (PS4)	\$39.19	\$39.19
539696	B&H Photo	Hilltop High School	9	RQ17015694	1	Each	Bandai Namco Pac Man: championship edition 2+ arcade game series (PS4)	\$19.55	\$19.55
539697	B&H Photo	Central Receiving	1	RQ17017833	1	ea	Camera, Sony Alpha A7 Digital Camera (Black/Reg)	\$929.04	\$929.04
539698	Youth Development Network	Mar Vista High School	1	RQ17013890	8	each	Youth Development Network - Strength Development Institute Certificated Staff - Thomas Dunn, Joel Vizcarra, David Hipwell, Yanira Bolanos, Steven Case, , Raymond Ziegler, Michael Crawford, Anthony Villanueva,	\$200.00	\$1,600.00

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539698	Youth Development Network	Mar Vista High School	2	RQ17013890	3	each	Youth Development Network - Strength Development Institute Classified Staff - Mitzie Murrillo, Juana Blanco, , Hugo Martinez	\$200.00	\$600.00
539698	Youth Development Network	Mar Vista High School	3	RQ17013890	1	each	Youth Development Network - Strength Development Institute Administrator -Monica Raczkowski	\$200.00	\$200.00
539699	JourneyEd.com, Inc	Eastlake Middle School	1	RQ17015908	30	ea	Speedskin i-Skin Keyboard Cover (laptop)	\$8.75	\$262.50
539700	Gallup, Inc.	Sweetwater High School	1	RQ17016629	1	ea	Registration for Aimee Cuellar-Martinez to attend the GALLUP Strenghts-Based Schools Two-day workshop May 24 & 25 at the South County Regional Educational Center in National City, CA	\$299.00	\$299.00
539700	Gallup, Inc.	Sweetwater High School	2	RQ17016629	3	ea	Registration for DONNA ROTTIER, SAMANTHA SILVAS, RACHAEL GRIGGS to attend the GALLUP Strenghts-Based Schools Two-day workshop May 24 & 25 at the South County Regional Educational Center in National City, CA	\$299.00	\$897.00
539701	Rasix Computer Center, Inc.	Southwest High School	1	RQ17016726	6	ea	HP 647A, Black Toner	\$114.00	\$684.00
539701	Rasix Computer Center, Inc.	Southwest High School	2	RQ17016726	5	ea	HP 90A, Black Toner	\$123.00	\$615.00
539701	Rasix Computer Center, Inc.	Southwest High School	3	RQ17016726	5	ea	HP 648A, Cyan Toner	\$205.00	\$1,025.00
539701	Rasix Computer Center, Inc.	Southwest High School	4	RQ17016726	7	ea	HP648A, Yellow Toner	\$205.00	\$1,435.00
539701	Rasix Computer Center, Inc.	Southwest High School	5	RQ17016726	5	ea	HP 648A, Magenta Toner	\$205.00	\$1,025.00
539702	San Diego Theatres, inc	Granger Junior High School		RQ17017717	25	ea	Tickets, Orchestra Section-Body Rock Registration for students attending at San Diego Theather, Saturday, June 3, 2017, 6:00PM.	\$37.50	\$937.50
539702	San Diego Theatres, inc	Granger Junior High School	2	RQ17017717	1	Lot	Group Service Charge	\$12.00	\$12.00
539703	Bonita Pipeline, Inc.	Maintenance	1	RQ17017997	1	job	Provide material and labor to repair water main for Hilltop High School.	\$6,338.04	\$6,338.04
539704	Rifton	Central Receiving	1	RQ17017019	1	ea	Large Pacer Gait Trainer (M&L) - BLUE COLOR, 1 year warranty. Order includes the following items:	\$3,733.00	\$3,733.00
539704	Rifton	Central Receiving	2	RQ17017019	1	ea	Dynamic Upper Frame	\$0.00	\$0.00
539704	Rifton	Central Receiving	3	RQ17017019	1	ea	Utility Base w/o Odometer	\$0.00	\$0.00

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539704	Rifton	Central Receiving	4	RQ17017019	1	ea	Large arm prompts (pair)	\$0.00	\$0.00
539704	Rifton	Central Receiving	5	RQ17017019	1	ea	Multi-position saddle	\$0.00	\$0.00
539704	Rifton	Central Receiving	6	RQ17017019	1	ea	Handholds	\$0.00	\$0.00
539704	Rifton	Central Receiving	7	RQ17017019	1	ea	Discount	-\$1,866.50	-\$1,866.50
539705	Flags Georgia LLC	Hilltop High School	1	RQ17017246	16	Ea.	China World Flag Lapel Pin-Single	\$1.67	\$26.72
539705	Flags Georgia LLC	Hilltop High School	2	RQ17017246	17	Ea.	Japan World Flag Lapel Pin-Single	\$1.67	\$28.39
539705	Flags Georgia LLC	Hilltop High School	3	RQ17017246	43	Ea.	France World Flag Lapel Pin-Single	\$1.67	\$71.81
539705	Flags Georgia LLC	Hilltop High School	4	RQ17017246	34	Ea.	Germany World Flag Lapel Pin-Single	\$1.67	\$56.78
539705	Flags Georgia LLC	Hilltop High School	5	RQ17017246	45	Ea.	Italy World Flag Lapel Pin-Single	\$1.67	\$75.15
539705	Flags Georgia LLC	Hilltop High School	6	RQ17017246	85	Ea.	Spain World Flag Lapel Pin-Single	\$1.67	\$141.95
539705	Flags Georgia LLC	Hilltop High School	7	RQ17017246	50	Ea.	Vatican City Papal World Flag Lapel Pin-Single	\$1.67	\$83.50
539706	Apple Computer Inc.	Special Services	1	RQ17017575	10	ea	iTunes Gift Card - \$100	\$100.00	\$1,000.00
539707	Carolina Biological Supply Co	Bonita Vista High School	1	RQ17017548	1	ea	Choice Chamber	\$30.37	\$30.37
539707	Carolina Biological Supply Co	Bonita Vista High School	2	RQ17017548	1	ea	AP Cell Respiration Kit	\$46.84	\$46.84
539707	Carolina Biological Supply Co	Bonita Vista High School	3	RQ17017548	1	ea	Evolving Enzyme	\$37.75	\$37.75
539707	Carolina Biological Supply Co	Bonita Vista High School	4	RQ17017548	20	ea	Probe & Seeker semi-blunt	\$2.47	\$49.40
539707	Carolina Biological Supply Co	Bonita Vista High School	5	RQ17017548	10	ea	Dissecting Forceps, Curved	\$3.24	\$32.40
539707	Carolina Biological Supply Co	Bonita Vista High School	6	RQ17017548	1	ea	Primary Productivity -This kit is designed for 1 group of 4 students. Digital teacher's manual, included FREE with kit purchase, is a 12-month eBook license to the Primary Productivity and Energy Flow Teacher's Manual and Student Guide.	\$50.35	\$50.35
539708	Demco Inc.	National City Middle School	1	RQ17017125	1	ea	Maker Lab: 28 Projects	\$19.99	\$19.99
539708	Demco Inc.	National City Middle School	1	RQ17017125	1	ea	National City Sales Tax Adjustment 8.75%	\$0.10	\$0.10
539709	School Health Corporation	Mar Vista Academy	1	RQ17017893	1	kit	School Health Adhesive Bandages, Plastic, 1' x 3' 1500/Box	\$35.21	\$35.21
539709	School Health Corporation	Mar Vista Academy	2	RQ17017893	2	bx	School Health Adhesive Bandages, Extra-Large Flexible Fabric, 2' X 4' 50/Box	\$3.97	\$7.94
539709	School Health Corporation	Mar Vista Academy	3	RQ17017893	2	pkg	School Health Non-Sterile, Non-Woven Sponges 4' x 4' 4-ply, 200/bag	\$5.56	\$11.12

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539709	School Health Corporation	Mar Vista Academy	4	RQ17017893	2	bx	School Health Vinyl Powder-Free Exam Gloves, Large 100/Box	\$4.21	\$8.42
539709	School Health Corporation	Mar Vista Academy	5	RQ17017893	1	cs	Crosstex Professional Towels 500/Case	\$26.74	\$26.74
539709	School Health Corporation	Mar Vista Academy	6	RQ17017893	1	rl	Sports Health Ice Bags, 10' x 18', 1 mil - 1,500/Roll	\$63.35	\$63.35
539710	Apple Computer Inc.	Information Technology	1	RQ17017946	1	Year	1 of 4 Years 7th Grade iPad Refresh Lease, Customer Reference Number: 823-4-102194 - Approved by the Board under F.-8 on April 24, 2017. per Karen Michel May 15, 2017.	\$787,901.03	\$787,901.03
539710	Apple Computer Inc.	Information Technology	4	RQ17017946	7,300	Ea	UZBL Rugged Folio Style Case for new 2017 iPad with clear back, charcoal cover with sleep/awake. Ordered from UZBL on PO539833.	\$0.00	\$0.00
539711	Pasco Scientific	Central Receiving	1	RQ17017538	1	ea	Flir C2 Educator Kit, Infrared Camera	\$499.00	\$499.00
539712	Phil's BBQ of Point Loma Inc.	Chula Vista Middle School	1	RQ17016847	1	lot	End of year recognition for the Boys & Girls Basketball teams in which parents will attend on May 19, 2017 at 6:00 pm for 35 people	\$699.84	\$699.84
539713	Projector Doctor, Inc.	Maintenance	1	RQ17017999	1	job	Provide material and labor to repair the PAC projector for Chula Vista High School.	\$595.00	\$595.00
539714	Troxell Communications, Inc.	Central Receiving	1	RQ17016052	1	ea	Television, Sharp 70" Smart, LED, Flat Panel (1 year manufacturers warranty)	\$1,666.67	\$1,666.67
539714	Troxell Communications, Inc.	Central Receiving	2	RQ17016052	1	ea	CA recycle fee	\$5.00	\$5.00
539715	Anixter International Inc.	Business Services	1	RQ17017258	15	each	ALARM LOCK AL-IME2-EXP AL-IME2-EXP NETWRX V2 GATEWAY EXPANDER AC PWR NOT INCLUDED	\$125.00	\$1,875.00
539715	Anixter International Inc.	Business Services	2	RQ17017258	15	EACH	ALARM LOCK AL-IME2 AL-IME2 NETWRX ETHERNET GATEWAY V2 CAN USE EXPNDR	\$237.50	\$3,562.50
539715	Anixter International Inc.	Business Services	3	RQ17017258	15	EACH	ALARM LOCK RR-1BUTTON PR-1BUTTON REMOTE RELEASE DESK MOUNTED BU NETWORX	\$46.00	\$690.00
539715	Anixter International Inc.	Business Services	4	RQ17017258	10	EACH	ALARM LOCK RR-48KEYFOB RR-48KEYFOR REMOTE RELEASE 4-BUTTON KEYFOR NETWORK	\$51.50	\$515.00
539715	Anixter International Inc.	Business Services	5	RQ17017258	2	EACH	ALARM LOCK AL-IMEPOE AL-IMEPOE GENERATION 2	\$305.00	\$610.00
539715	Anixter International Inc.	Business Services	6	RQ17017258	10	EACH	ALARM LOCK PDL4500DBR 26D DEADBOLT FUNCTION	\$594.13	\$5,941.30

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539715	Anixter International Inc.	Business Services	7	RQ17017258	10	EACH	ALARM LOCK PDL45000BR 26D DEADBOLT FUNCTION	\$663.30	\$6,633.00
539715	Anixter International Inc.	Business Services	8	RQ17017258	10	EACH	ALARM LOCK PDL4500DBL 26D DEADBOLT FUNCTION	\$663.30	\$6,633.00
539715	Anixter International Inc.	Business Services	9	RQ17017258	6	EACH	ALARM LOCK PDL6500CRR/26D NETWORKX,MORTISE,NO DEADBOLT, WI NETWORKX	\$975.50	\$5,853.00
539715	Anixter International Inc.	Business Services	10	RQ17017258	6	EACH	ALARM LOCK PDL6100/26D TRILOGY PROX WIRELESS ACCESS C NETWORKX	\$932.00	\$5,592.00
539715	Anixter International Inc.	Business Services	11	RQ17017258	8	EACH	ALARM LOCK ETPDNR1G/26DNSB NETWORKX PROX DIGITAL EXIT TRM. NETWORKX	\$910.74	\$7,285.92
539715	Anixter International Inc.	Business Services	12	RQ17017258	8	EACH	ALARM LOCK ET-YIC 26D YALE IC 6 PIN RIM CYL ADAPTER	\$32.45	\$259.60
539716	Anixter International Inc.	Business Services	1	RQ17017329	800	EACH	MASTER LOC 295W81RSVKZ SPIN F/21,24,25,27,101,220,&23	\$6.88	\$5,504.00
539717	Anixter International Inc.	Business Services	1	RQ17017386	72	EACH	MASTER LOC 21WO 1-3/4'LAM STL, 15/16STL SHKL,LE 1.92' X 1.13' X 2.8'	\$7.60	\$547.20
539717	Anixter International Inc.	Business Services	2	RQ17017386	48	EACH	MASTER LOC 27WO 2'LAM STL, 1'BORON SHKL, REKEYAB	\$11.26	\$540.48
539718	Anixter International Inc.	Business Services	1	RQ17017393	600	EACH	MASTER LOC 295W81RSVKZ SPIN F/21,24,25,27,101,220@23	\$6.88	\$4,128.00
539719	Anixter International Inc.	Business Services	1	RQ17017333	60	each	KABA ILCO 3400-25-1099-K1 UNIVERSAL KIT, UNCOMBINATED 26D PEAKS CLASSIC	\$25.00	\$1,500.00
539720	San Diego County Superintendent of Schools	Visual/Performing Arts	1	RQ17016961	1	lot	Summer Arts Academy at Camp Cuyamaca, June 19-24, 2017.	\$30,000.00	\$30,000.00
539721	San Diego State University Foundation	Professional Development	1	RQ17017447	1	Lot	Consultant with San Diego State University Research Foundation on behalf of National Center for Urban School Transformation for professional services for Principal Coaching for one calendar year commencing Jan 24, 2017 to Jan 24, 2018.	\$49,795.00	\$49,795.00
539722	Moore Medical LLC	Research & Evaluation	1	RQ17015458	1	ea	Scale 800KL	\$70.18	\$70.18
539723	Dick Blick Company	Castle Park High School	1	RQ17016036	2	Pkg	00306-4009 Half-Pans, Pkg of 12 Yellow Oval	\$4.60	\$9.20
539723	Dick Blick Company	Castle Park High School	2	RQ17016036	2	Pkg	00306-3009 Half-Pans, Pkg of 12 Red Oval	\$4.60	\$9.20
539723	Dick Blick Company	Castle Park High School	3	RQ17016036	2	Pkg	00306-5009 Half-Pans, Pkg of 12 Blue Oval	\$4.60	\$9.20
539723	Dick Blick Company	Castle Park High School	4	RQ17016036	2	Pkg	00306-6509 Half-Pans, Pkg of 12 Violet Oval	\$4.60	\$9.20
539723	Dick Blick Company	Castle Park High School	5	RQ17016036	2	Pkg	00306-4509 Half- Pans Orange Oval	\$4.60	\$9.20

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539723	Dick Blick Company	Castle Park High School	6	RQ17016036	2	Pkg	00306-7009 Half-Pans, Pkg of 12 Green Oval	\$4.60	\$9.20
539723	Dick Blick Company	Castle Park High School	7	RQ17016036	2	Pkg	00306-3049 Half-Pans, Pkg of 12 Magenta	\$4.60	\$9.20
539723	Dick Blick Company	Castle Park High School	8	RQ17016036	1	Quart	00711-4157 Chrome Yellow, Quart	\$6.06	\$6.06
539723	Dick Blick Company	Castle Park High School	9	RQ17016036	1	Quart	00711-5147 Phthalo Blue, Quart	\$6.06	\$6.06
539723	Dick Blick Company	Castle Park High School	10	RQ17016036	1	Quart	00711-3767 Primary Magenta, Quart	\$6.06	\$6.06
539723	Dick Blick Company	Castle Park High School	11	RQ17016036	2	Quart	00711-1117 Titanium White, Quart	\$6.06	\$12.12
539723	Dick Blick Company	Castle Park High School	12	RQ17016036	1	Quart	00711-2047 Mars Black, Quart	\$6.06	\$6.06
539723	Dick Blick Company	Castle Park High School	13	RQ17016036	1	Quart	00711-5237 Ultramarine Blue, Quart	\$6.06	\$6.06
539723	Dick Blick Company	Castle Park High School	14	RQ17016036	1	Quart	00711-3117 Fire Red, Quart	\$6.06	\$6.06
539723	Dick Blick Company	Castle Park High School	15	RQ17016036	1	Quart	00711-3047 Magenta, Quart	\$6.06	\$6.06
539723	Dick Blick Company	Castle Park High School	16	RQ17016036	2	Quart	00711-5017 Primary Blue, Quart	\$6.06	\$12.12
539723	Dick Blick Company	Castle Park High School	17	RQ17016036	2	Quart	00711-4017 Primary Yellow, Quart	\$6.06	\$12.12
539723	Dick Blick Company	Castle Park High School	18	RQ17016036	1	EA	22220-2144 Blick Studio Drawing Pencils, Class Pack of 144	\$51.61	\$51.61
539723	Dick Blick Company	Castle Park High School	19	RQ17016036	1	EA	22924-2003 Powdered Graphite, 50 gr	\$4.48	\$4.48
539723	Dick Blick Company	Castle Park High School	20	RQ17016036	3	EA	21500-1004 Mars Block Erasers, Pkg of 4	\$4.33	\$12.99
539723	Dick Blick Company	Castle Park High School	21	RQ17016036	1	Pack	22855-1036 Tortillons, Class Pack of 36	\$1.80	\$1.80
539723	Dick Blick Company	Castle Park High School	22	RQ17016036	5	EA	10173-1006 Watercolor Pad, 30 Sheets, Landscape, Euro Fo 12' x 18'	\$10.70	\$53.50
539723	Dick Blick Company	Castle Park High School	23	RQ17016036	1	EA	60510-1045 Blicks's Metal Punch	\$1.37	\$1.37
539723	Dick Blick Company	Castle Park High School	24	RQ17016036	1	EA	23602-1004 Glue Sticks, 4' pkg of 100	\$5.18	\$5.18
539723	Dick Blick Company	Castle Park High School	25	RQ17016036	1	EA	04935-0608 Colour Shapers Tools, Set of 5 tips, Size 6, firm	\$37.52	\$37.52
539723	Dick Blick Company	Castle Park High School	26	RQ17016036	1	EA	14935-0602 Colour Shapers Tools, Set of 5 tips, Size 6, soft	\$37.52	\$37.52
539723	Dick Blick Company	Castle Park High School	27	RQ17016036	1	EA	04935-0009 Colour Shapers Tools, Mini Set of 5 tips, firm 3.2 mm	\$20.88	\$20.88
539723	Dick Blick Company	Castle Park High School	28	RQ17016036	1	EA	04935-0019 Colour Shapers Tools, Mini Set of 5 tips, soft 3.2 mm	\$20.88	\$20.88
539723	Dick Blick Company	Castle Park High School	29	RQ17016036	6	EA	22952-1012 Standard Pen holder, pkg of 12	\$4.42	\$26.52
539723	Dick Blick Company	Castle Park High School	30	RQ17016036	5	EA	20913-1512 Standard Point Dip Pen, Individual Nib, #512	\$0.77	\$3.85
539723	Dick Blick Company	Castle Park High School	31	RQ17016036	5	EA	20913-1513 Standard Point Dip Pen, Individual Nib, #513EF	\$0.77	\$3.85

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539723	Dick Blick Company	Castle Park High School	32	RQ17016036	5	EA	20913-1022 Standard Point Dip Pen, Individual Nib, #22B	\$0.77	\$3.85
539723	Dick Blick Company	Castle Park High School	33	RQ17016036	5	EA	20913-1056 Standard Point Dip Pen, Individual Nib, #56	\$0.77	\$3.85
539723	Dick Blick Company	Castle Park High School	34	RQ17016036	5	EA	20913-1099 Standard Point Dip Pen, Individual Nib, #99	\$0.77	\$3.85
539723	Dick Blick Company	Castle Park High School	35	RQ17016036	5	EA	20913-1010 Standard Point Dip Pen, Individual Nib, #101	\$0.88	\$4.40
539723	Dick Blick Company	Castle Park High School	36	RQ17016036	2	ea	20909-0093 Left Hand. Individual Nib, LC, 0	\$1.42	\$2.84
539723	Dick Blick Company	Castle Park High School	37	RQ17016036	2	EA	20909-1003 Left Hand. Individual Nib, LC, 1	\$1.42	\$2.84
539723	Dick Blick Company	Castle Park High School	38	RQ17016036	2	EA	20909-1024 Left Hand. Individual Nib, LC, 2	\$1.42	\$2.84
539723	Dick Blick Company	Castle Park High School	39	RQ17016036	2	EA	20909-1034 Left Hand. Individual Nib, LC, 3	\$1.42	\$2.84
539723	Dick Blick Company	Castle Park High School	40	RQ17016036	2	EA	20909-1044 Left Hand. Individual Nib, LC, 4	\$1.42	\$2.84
539723	Dick Blick Company	Castle Park High School	41	RQ17016036	8	EA	20909-0003 Right Hand, Individual Nib, C, 0	\$1.42	\$11.36
539723	Dick Blick Company	Castle Park High School	42	RQ17016036	8	EA	20909-1002 Right Hand, Individual Nib, C, 1	\$1.42	\$11.36
539723	Dick Blick Company	Castle Park High School	43	RQ17016036	8	EA	20909-1023 Right Hand, Individual Nib, C, 2	\$1.42	\$11.36
539723	Dick Blick Company	Castle Park High School	44	RQ17016036	8	EA	20909-1033 Right Hand, Individual Nib, C, 3	\$1.42	\$11.36
539723	Dick Blick Company	Castle Park High School	45	RQ17016036	8	EA	20909-1043 Right Hand, Individual Nib, C, 4	\$1.42	\$11.36
539723	Dick Blick Company	Castle Park High School	46	RQ17016036	1	EA	12847-1030 LinenBinding Tape, 3/8' 60'	\$8.69	\$8.69
539723	Dick Blick Company	Castle Park High School	47	RQ17016036	1	EA	64209-1020 Basic Pack, waxed linen Thread, Pkg of 3 spools	\$7.37	\$7.37
539723	Dick Blick Company	Castle Park High School	48	RQ17016036	1	EA	12866-1000 Screw Punch Tool	\$30.31	\$30.31
539723	Dick Blick Company	Castle Park High School	49	RQ17016036	1	EA	12866-1002 Replacement Bit, 2mm	\$5.47	\$5.47
539723	Dick Blick Company	Castle Park High School	50	RQ17016036	1	EA	12844-1006 Polyvinyl Acetate, 16oz	\$7.40	\$7.40
539723	Dick Blick Company	Castle Park High School	51	RQ17016036	1	EA	12722-1005 Lineco Binder's Needles, Pkg of 5	\$4.34	\$4.34
539723	Dick Blick Company	Castle Park High School	52	RQ17016036	1	EA	12650-1009 Curved Needles, Pkg of 6	\$3.17	\$3.17
539723	Dick Blick Company	Castle Park High School	53	RQ17016036	1	EA	12842-1000 Heavy Duty Awl	\$3.12	\$3.12
539723	Dick Blick Company	Castle Park High School	54	RQ17016036	2	EA	23021-1015 Book Tape, 15 yards, 1 1/2'	\$4.32	\$8.64

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539723	Dick Blick Company	Castle Park High School	55	RQ17016036	1	EA	12964-1000 Paper Folder, Scorer, 4-3/4' x 1-1/4'	\$6.17	\$6.17
539723	Dick Blick Company	Castle Park High School	56	RQ17016036	1	EA	22429-2409 Blick Essentials Colored Pencil Sets, Classpack of 240	\$27.07	\$27.07
539723	Dick Blick Company	Castle Park High School	57	RQ17016036	1	EA	20501-2889 Prismacolor Scholar Art Pencils, Classpack of 280	\$113.68	\$113.68
539724	Multi-Health Systems Inc.	Special Services	1	RQ17017765	1	ea	ABAS-3 School Kit with Unlimited Scoring Assistant and Intervention Planner CD (Ages 5-21)	\$470.25	\$470.25
539724	Multi-Health Systems Inc.	Special Services	2	RQ17017765	1	ea	Spanish CEFI Complete Kit	\$348.65	\$348.65
539724	Multi-Health Systems Inc.	Special Services	3	RQ17017765	1	ea	Spanish Connors CBRS Kit	\$363.85	\$363.85
539724	Multi-Health Systems Inc.	Special Services	4	RQ17017765	1	ea	Spanish CDI 2 Complete Kit	\$373.35	\$373.35
539724	Multi-Health Systems Inc.	Special Services	5	RQ17017765	1	ea	Connors CPT 3 Unlimited Use Kit	\$1,139.05	\$1,139.05
539724	Multi-Health Systems Inc.	Special Services	6	RQ17017765	1	ea	UNIT2 Complete Kit (without case)	\$656.45	\$656.45
539724	Multi-Health Systems Inc.	Special Services	7	RQ17017765	1	ea	Shipping & Handling	\$77.70	\$77.70
539725	Gallup, Inc.	National City Middle School	1	RQ17016220	1	each	Registration Fee in order for Teresa Walkup to attend the Strengths Based Training on May 24-25 from 8:30-3:30p.m.	\$299.00	\$299.00
539726	Musician's Friend Inc	Bonita Vista Middle School	1	RQ17017446	4	ea	Handheld Microphone	\$84.00	\$336.00
539727	Triarco	Mar Vista High School	1	RQ17017235	35	EA	Ceramic Pottery Tool Kit	\$4.44	\$155.40
539727	Triarco	Mar Vista High School	2	RQ17017235	3	EA	10-Well Palette W/Corer	\$17.36	\$52.08
539727	Triarco	Mar Vista High School	3	RQ17017235	2	EA	Triarco Tempra Gallon White	\$21.00	\$42.00
539728	Montgomery Hardware Co.	Business Services	1	RQ17017362	5	each	Lockset LC 8204 LNL RHR 26D	\$350.06	\$1,750.30
539728	Montgomery Hardware Co.	Business Services	2	RQ17017362	15	each	Lockset LC 8238 LNL RHR 26D	\$353.23	\$5,298.45
539729	Intermountain Lock & Security	Business Services	1	RQ17017264	2	EACH	ALAPHL6500CRR26D NETWORKX PROX MORTISE LOCK	\$951.11	\$1,902.22
539729	Intermountain Lock & Security	Business Services	2	RQ17017264	5	EACH	ALAPDL610026D NETWORKX WIRELESS TRILOGY PROX	\$908.70	\$4,543.50
539729	Intermountain Lock & Security	Business Services	3	RQ17017264	1	EACH	ALAAL-IME2 GATEWAY GENERATION 2	\$231.56	\$231.56
539729	Intermountain Lock & Security	Business Services	4	RQ17017264	1	EACH	ALAETPDNR1-YIC-26D-NS8 *NETWORKX PANIC TRIM YALE 1/C26DREGAL	\$899.44	\$899.44
539730	Intermountain Lock & Security	Business Services	1	RQ17017339	30	EACH	*GRADE 1 CLASSROOM SECURITY LEVER LESS	\$220.00	\$6,600.00

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539731	Intermountain Lock & Security	Business Services	1	RQ17017343	52	EACH	MAR195DB/26D-G3	\$101.04	\$5,254.08
539732	Intermountain Lock & Security	Business Services	1	RQ17017353	7,000	EACH	*PROXKEY III KEYFOB	\$3.36	\$23,520.00
539733	Intermountain Lock & Security	Business Services	1	RQ17017349	85	EACH	LEVER ENTRY GRADEI LESS CYL	\$85.09	\$7,232.65
539733	Intermountain Lock & Security	Business Services	2	RQ17017349	2	EACH	*GRADEI INSTITUTION LEVER LC	\$91.02	\$182.04
539733	Intermountain Lock & Security	Business Services	3	RQ17017349	10	EACH	*STORROOM LOCK LESS CYLINDER	\$85.09	\$850.90
539733	Intermountain Lock & Security	Business Services	4	RQ17017349	40	EACH	MAR195DB/26D-G3 LEVER SECURITY CLASSROOM GRADEI L/C	\$101.04	\$4,041.60
539733	Intermountain Lock & Security	Business Services	5	RQ17017349	3	EACH	*CLASSROOM LOCK LESS CYLINDER	\$85.09	\$255.27
539733	Intermountain Lock & Security	Business Services	6	RQ17017349	4	EACH	*THICK DOOR LOCK	\$194.11	\$776.44
539734	Intermountain Lock & Security	Business Services	1	RQ17017327	6	EACH	ALAAL-IME2-EXP GATEWAY EXPANDER GENERATION 2	\$125.00	\$750.00
539734	Intermountain Lock & Security	Business Services	2	RQ17017327	4	EACH	ALAAL-IME2 GATEWAY GENERATION 2	\$237.50	\$950.00
539734	Intermountain Lock & Security	Business Services	3	RQ17017327	2	EACH	ALANETPDKPAK26D NETWORKX WIRELESS PROX KEYPAD	\$687.50	\$1,375.00
539734	Intermountain Lock & Security	Business Services	4	RQ17017327	3	EACH	ALAPDL6500CRR26D NETWORKX PROX MORTISE LOCK	\$975.50	\$2,926.50
539734	Intermountain Lock & Security	Business Services	5	RQ17017327	9	EACH	ALAPDL6T0026D NETWORKX WIRELESS TRILOGY PROX	\$932.00	\$8,388.00
539735	Intermountain Lock & Security	Business Services	1	RQ17017396	10	each	ALAAL-IME2 GATEWAY GENERATION 2	\$229.00	\$2,290.00
539735	Intermountain Lock & Security	Business Services	2	RQ17017396	10	EACH	ALAAL-IME2-EXP GATEWAY EXPANDER GENERATION 2	\$120.00	\$1,200.00
539735	Intermountain Lock & Security	Business Services	3	RQ17017396	25	EACH	ALAPDL6500CRR26D NETWORKX PROX MORTISE LOCK	\$905.00	\$22,625.00
539735	Intermountain Lock & Security	Business Services	4	RQ17017396	35	EACH	ALAPDL610026D NETWORKX WIRELESS TRILOGY PROX	\$865.00	\$30,275.00
539736	Herrera, Alberto C.	Hilltop Middle School	1	RQ17017787	16	lot	McGregor Collegiate Raquetball Raquets# 1393413	\$23.95	\$383.20
539736	Herrera, Alberto C.	Hilltop Middle School	2	RQ17017787	20	lot	Wilson Tennis Balls #MTWILCAN (3 Per can)	\$4.99	\$99.80
539736	Herrera, Alberto C.	Hilltop Middle School	3	RQ17017787	6	lot	MIKASA Volley Balls #VSL215	\$23.99	\$143.94
539736	Herrera, Alberto C.	Hilltop Middle School	4	RQ17017787	1	lot	Tennis Ball Port Container# MTINSTRU	\$35.99	\$35.99
539736	Herrera, Alberto C.	Hilltop Middle School	5	RQ17017787	1	lot	Fold Up Portable Soccer Goal# 1366511	\$250.00	\$250.00

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539737	American Eagle	Chula Vista High School	1	RQ17015154	1	Each	Advanced Spanish Grammar by McGraw-Hill Education	\$20.00	\$20.00
539737	American Eagle	Chula Vista High School	2	RQ17015154	1	Each	Beginning Spanish Grammar by McGraw-Hill Education	\$20.00	\$20.00
539737	American Eagle	Chula Vista High School	3	RQ17015154	1	Each	Intermediate Spanish Grammar by McGraw-Hill Education	\$20.00	\$20.00
539737	American Eagle	Chula Vista High School	4	RQ17015154	1	Each	Culture of latin Dance Today Moo! DVD-Culture of Latin Dance Today Activity Packet Download	\$12.95	\$12.95
539737	American Eagle	Chula Vista High School	5	RQ17015154	1	Each	Culture of latin Dance Today Moo! DVD-Culture of Latin Dance Moo! DVD	\$32.95	\$32.95
539737	American Eagle	Chula Vista High School	6	RQ17015154	1	Each	Culture of latin Dance Today Moo! DVD-Culture of Latin Dance Today Movie Download	\$27.95	\$27.95
539738	Mason Crest Publishers	Granger Junior High School	1	RQ17017421	1	20.95	Families Today: Foster Families	\$20.95	\$20.95
539738	Mason Crest Publishers	Granger Junior High School	2	RQ17017421	1	20.95	Families Today: Homelessness and Families	\$20.95	\$20.95
539738	Mason Crest Publishers	Granger Junior High School	3	RQ17017421	1	20.95	Families Today: Immigrant Families	\$20.95	\$20.95
539738	Mason Crest Publishers	Granger Junior High School	4	RQ17017421	1	20.95	Families Today: Single-Parent Families	\$20.95	\$20.95
539738	Mason Crest Publishers	Granger Junior High School	5	RQ17017421	1	415.20	Critical World Issues -16 titles	\$415.20	\$415.20
539738	Mason Crest Publishers	Granger Junior High School	6	RQ17017421	1	23.95	The Making of the Modern World: 1945 to the Present: Education, Poverty, and Inequality	\$23.95	\$23.95
539738	Mason Crest Publishers	Granger Junior High School	7	RQ17017421	1	23.95	The Making of the Modern World: 1945 to the Present: Governance and the Quest for Security	\$23.95	\$23.95
539738	Mason Crest Publishers	Granger Junior High School	8	RQ17017421	1	191.60	Foundations of Democracy-8 titles	\$191.60	\$191.60
539738	Mason Crest Publishers	Granger Junior High School	9	RQ17017421	1	24.95	Understanding Global Trade & Commerce: The Economics of Global Trade	\$24.95	\$24.95
539738	Mason Crest Publishers	Granger Junior High School	10	RQ17017421	1	24.95	Inside the World of Sports: Soccer	\$24.95	\$24.95
539738	Mason Crest Publishers	Granger Junior High School	11	RQ17017421	1	23.95	STEM in Current Events: Information Technology	\$23.95	\$23.95
539738	Mason Crest Publishers	Granger Junior High School	12	RQ17017421	1	20.95	The Solar System: Space Exploration	\$20.95	\$20.95
539738	Mason Crest Publishers	Granger Junior High School	13	RQ17017421	1	20.95	Science Fundamentals: The Science of Time	\$20.95	\$20.95
539738	Mason Crest Publishers	Granger Junior High School	14	RQ17017421	1	25.95	Immigration to North America: Asylum Seekers	\$25.95	\$25.95
539738	Mason Crest Publishers	Granger Junior High School	15	RQ17017421	1	25.95	Immigration to North America: Central American Immigrants	\$25.95	\$25.95
539738	Mason Crest Publishers	Granger Junior High School	16	RQ17017421	1	25.95	Immigration to North America: Cuban Immigrants	\$25.95	\$25.95

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539738	Mason Crest Publishers	Granger Junior High School	7	RQ17017421	1	25.95	Immigration to North America: Mexican Immigrants	\$25.95	\$25.95
539738	Mason Crest Publishers	Granger Junior High School	8	RQ17017421	1	25.95	Immigration to North America: Middle Eastern Immigrants	\$25.95	\$25.95
539738	Mason Crest Publishers	Granger Junior High School	9	RQ17017421	1	25.95	Immigration to North America: Refugees	\$25.95	\$25.95
539738	Mason Crest Publishers	Granger Junior High School	20	RQ17017421	1	25.96	Immigration to North America: Rights & Responsibilities of Citizenship	\$25.96	\$25.96
539738	Mason Crest Publishers	Granger Junior High School	21	RQ17017421	1	25.95	Immigration to North America: South American Immigrants	\$25.95	\$25.95
539738	Mason Crest Publishers	Granger Junior High School	22	RQ17017421	1	25.95	Immigration to North America: Undocumented Immigration and Homeland Security	\$25.95	\$25.95
539739	Manson Western Corporation	Special Services	1	RQ17017909	1	ea	ADOS-2 Software Kit	\$2,095.00	\$2,095.00
539739	Manson Western Corporation	Special Services	2	RQ17017909	2	ea	ADOS-2 Protocol Booklet Module 3 (pack of 10)	\$53.50	\$107.00
539739	Manson Western Corporation	Special Services	3	RQ17017909	2	ea	ADOS-2 Protocol Booklet Module 4 (pack of 10)	\$53.50	\$107.00
539739	Manson Western Corporation	Special Services	4	RQ17017909	1		ADOS-2 Spanish Language Add-On Set 10	\$450.00	\$450.00
539740	Follett School Solutions, Mar Vista Academy Inc.		1	RQ17015501	1	lot	31 Pre-selected AR book titles (35 books total) per Titlewave Quote ID 9148767. List 14600069 List Name Fall 12016	\$852.12	\$852.12
539741	Rasix Computer Center, Inc.	Sweetwater High School	1	RQ17017277	3	ea	CF400A HP 201A - Black Toner	\$47.00	\$141.00
539741	Rasix Computer Center, Inc.	Sweetwater High School	2	RQ17017277	1	ea	National City Sales Tax Adjustment 8.75%	\$0.71	\$0.71
539742	TPRS Publishing, Inc.	San Ysidro High School	1	RQ17014216	5	Ea	Poor Ana Danced the Tango	\$6.00	\$30.00
539742	TPRS Publishing, Inc.	San Ysidro High School	2	RQ17014216	5	Ea	He Almost Dies	\$6.00	\$30.00
539742	TPRS Publishing, Inc.	San Ysidro High School	3	RQ17014216	5	Ea	Friendship Matters	\$6.00	\$30.00
539742	TPRS Publishing, Inc.	San Ysidro High School	4	RQ17014216	5	Ea	Detective Friends	\$6.00	\$30.00
539742	TPRS Publishing, Inc.	San Ysidro High School	5	RQ17014216	5	Ea	Berto and His Good Ideas	\$6.00	\$30.00
539743	Hasbro Promotions and Direct, Inc.	Rancho Del Rey Middle School		RQ17016877	1	ea	Scrabble School Program	\$95.00	\$95.00
539743	Hasbro Promotions and Direct, Inc.	Rancho Del Rey Middle School		RQ17016877	1	ea	Clue Game	\$9.99	\$9.99
539743	Hasbro Promotions and Direct, Inc.	Rancho Del Rey Middle School		RQ17016877	1	ea	Classic Jenga	\$12.99	\$12.99
539743	Hasbro Promotions and Direct, Inc.	Rancho Del Rey Middle School		RQ17016877	1	ea	Connect 4 Game	\$9.99	\$9.99

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539743	Hasbro Promotions and Direct, Inc.	Rancho Del Rey Middle School	1	RQ17016877	1	ea	Werriam-Websters Official Scrabble Dictionary	\$8.50	\$8.50
539743	Hasbro Promotions and Direct, Inc.	Rancho Del Rey Middle School	1	RQ17016877	1	ea	Marvel Chess Game	\$4.99	\$4.99
539744	ActionTec Electronics, Inc	Central Receiving	1	RQ17015758	1	ea	SCREENBEAM 1200	\$679.99	\$679.99
539745	Steve Weiss Music Inc.	Visual/Performing Arts	1	RQ17016294	1	each	Item# SW-BLACKFE LT TAPE - 2-Black Felt Tap - Master Roll	\$18.95	\$18.95
539745	Steve Weiss Music Inc.	Visual/Performing Arts	2	RQ17016294	1	each	Item# ISG-S00708 2-Spray on Dry Lube for Timpani Bearing Edges	\$13.00	\$13.00
539745	Steve Weiss Music Inc.	Visual/Performing Arts	3	RQ17016294	1	each	Item#TEF-TIMPTAPE 2-Teflon Timpani Tape	\$26.00	\$26.00
539745	Steve Weiss Music Inc.	Visual/Performing Arts	4	RQ17016294	1	each	Item# KIN-DD1 8B - DrumDial Drum Tuner Pressure Gauge	\$54.00	\$54.00
539746	AK Athletic Equipment, Inc.	Otay Ranch HS	1	RQ17016660	2	ea	4' X 8' X 8' Landing Mat Royal Blue	\$529.00	\$1,058.00
539747	Pro-Ed	Special Services	1	RQ17017861	1	ea	Social Language Development Test- Adolescent	\$212.00	\$212.00
539747	Pro-Ed	Special Services	2	RQ17017861	1		Test of Problem Solving- Adolescent	\$169.95	\$169.95
539748	Regents University of California Los Angeles	Sweetwater High School	1	RQ17016828	1	ea	Registration for Roseanita Hernandez to take the Online AP US History June 26-July 31,2017	\$775.00	\$775.00
539749	Institute for Educational Leadership Inc (The)	State & Federal Programs	1	RQ17017882	2	Ea	Registration fee for Dr. LuzElena Perez, Director and Ana Simmons, Community Relations Facilitator to attend Engaging Families Transformational Moments, Sustainable Practices conference in San Francisco, CA on June 22-24, 2017	\$535.00	\$1,070.00
539750	Follett School Solutions, Bonita Vista Middle School Inc.		1	RQ17016694	1	lot	22 Pre-selected AR books per Titlewve Quote #9156872	\$384.33	\$384.33
539750	Follett School Solutions, Bonita Vista Middle School Inc.		2	RQ17016694	1	lot	45 ebooks per Titlewave Quote #9156872	\$1,212.40	\$1,212.40
539750	Follett School Solutions, Bonita Vista Middle School Inc.		3	RQ17016694	24	ea	(45 title ebooks)	\$1.62	\$38.88
539751	Pearson Education, Inc.	Adult Resource Center	1	RQ17017033	200	ea	Cataloging and processing as per specs on order. START with BC 81036	\$27.99	\$5,598.00
539751	Pearson Education, Inc.	Adult Resource Center	2	RQ17017033	7	ea	Voices of Freedom-Student Book with Audio CD	\$35.20	\$246.40
539751	Pearson Education, Inc.	Adult Resource Center	3	RQ17017033	7	ea	VP: Voices of Freedom, Student Book with Audio CDs&Activity & Test Prep Wbk	\$25.60	\$179.20
539752	Follett School Solutions, Sweetwater High School Inc.		1	RQ17016713	80	ea	Voices of Freedom-Teacher Guide	\$10.40	\$832.00
							FLR 1954 LORD OF THE FLIES A NOVEL		

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539753	STEMfinity, LLC	Chula Vista High School	1	RQ17016136	1	ea	Robolink CoDrone Camp Pack (pack of 10 CoDrones)	\$1,620.00	\$1,620.00
539753	STEMfinity, LLC	Chula Vista High School	2	RQ17016136	1	ea	School Beats STEAM, Grades 9-12	\$3,499.95	\$3,499.95
539754	Fitness Anywhere LLC	Southwest High School	1	RQ17015794	1	ea	Bundle Anchor-TRX	\$699.95	\$699.95
539754	Fitness Anywhere LLC	Southwest High School	2	RQ17015794	4	ea	MultiMount TTZ7ft TRXClub4	\$209.95	\$839.80
539754	Fitness Anywhere LLC	Southwest High School	3	RQ17015794	1	ea	Discount 20%	-\$307.95	-\$307.95
539755	Simon & Schuster	Olympian High School	1	RQ17016398	700	ea	Farm Sanctuary, Baur Gene	\$8.00	\$5,600.00
539756	Stopper Group (The)	Options Secondary School	1	RQ17016711	1	lot	Labor to move SMARTBoard from room 403 to Room 404	\$665.00	\$665.00
539757	Power Systems, Inc.	Central Receiving	1	RQ17016918	1	Each	VertiMax - V8 Standard Weighlifting and fitness platform	\$2,869.19	\$2,869.19
539758	Lerner Publishing Group	Granger Junior High School	1	RQ17017472	1	119.83	the Atlas of Cursed Places set	\$119.83	\$119.83
539758	Lerner Publishing Group	Granger Junior High School	2	RQ17017472	1	79.95	Bounce set	\$79.95	\$79.95
539758	Lerner Publishing Group	Granger Junior High School	3	RQ17017472	1	167.94	Lorimer SideStreets set	\$167.94	\$167.94
539758	Lerner Publishing Group	Granger Junior High School	4	RQ17017472	1	104.96	Suspended set	\$104.96	\$104.96
539758	Lerner Publishing Group	Granger Junior High School	5	RQ17017472	1	251.91	Surviving Southside set	\$251.91	\$251.91
539758	Lerner Publishing Group	Granger Junior High School	6	RQ17017472	1	125.96	The Opportunity set	\$125.96	\$125.96
539758	Lerner Publishing Group	Granger Junior High School	7	RQ17017472	1	125.96	The Red Zone set	\$125.96	\$125.96
539758	Lerner Publishing Group	Granger Junior High School	8	RQ17017472	1	104.96	Locked Out set	\$104.96	\$104.96
539758	Lerner Publishing Group	Granger Junior High School	9	RQ17017472	1	83.97	The Gift set	\$83.97	\$83.97
539758	Lerner Publishing Group	Granger Junior High School	10	RQ17017472	1	188.93	Robyn Huner Mysteries set	\$188.93	\$188.93
539758	Lerner Publishing Group	Granger Junior High School	11	RQ17017472	1	62.98	Cody Trilogy set	\$62.98	\$62.98
539758	Lerner Publishing Group	Granger Junior High School	12	RQ17017472	1	119.83	Day of Disaster set	\$119.83	\$119.83
539758	Lerner Publishing Group	Granger Junior High School	13	RQ17017472	1	119.83	Midnight set	\$119.83	\$119.83
539758	Lerner Publishing Group	Granger Junior High School	14	RQ17017472	1	167.94	Lorimer Side Streets	\$167.94	\$167.94
539758	Lerner Publishing Group	Granger Junior High School	15	RQ17017472	1	159.90	Sports All-Stars set	\$159.90	\$159.90
539758	Lerner Publishing Group	Granger Junior High School	16	RQ17017472	1	99.94	Amazing Athletes Fall 2016	\$99.94	\$99.94
539758	Lerner Publishing Group	Granger Junior High School	17	RQ17017472	1	159.90	Stem Trailblazer Bios Fall 2016	\$159.90	\$159.90
539758	Lerner Publishing Group	Granger Junior High School	18	RQ17017472	1	ea	Sales tax adj	\$11.54	\$11.54
539759	B&H Photo	Central Receiving	1	RQ17017370	2	EA	SONY FDR-AX100 DIGITAL 4K CAMCORDER - BLACK/REG	\$1,598.00	\$3,196.00
539759	B&H Photo	Central Receiving	2	RQ17017370	2	EA	SANDISK EXTREMEPRO SDHC 64GB - 95MB/s V30 CARD/REG	\$34.95	\$69.90

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539759	B&H Photo	Central Receiving	3	RQ17017370	2	EA	SONY MPFV70 RECHARGEABLE BATTERY PACK/STUD	\$89.10	\$178.20
539760	Greenhaven Publishing, LLC	Bonita Vista High School	1	RQ17017620	1	set	GHNOV91903 Opposing Viewpoints-set of 258 titles	\$5,504.64	\$5,504.64
539760	Greenhaven Publishing, LLC	Bonita Vista High School	2	RQ17017620	1	set	GHNCC91904 Current Controversies set of 29 titles	\$1,113.60	\$1,113.60
539760	Greenhaven Publishing, LLC	Bonita Vista High School	3	RQ17017620	1	set	GHNCG91905 Confronting Global Warming-set of 8 titles	\$283.52	\$283.52
539760	Greenhaven Publishing, LLC	Bonita Vista High School	4	RQ17017620	1	set	GHNSL91906 Social Issues in Literature - set of 15 titles	\$556.80	\$556.80
539760	Greenhaven Publishing, LLC	Bonita Vista High School	5	RQ17017620	1	set	GHNPD91907 Perspectives on Diseases and Disorders-set of 19 titles	\$708.80	\$708.80
539760	Greenhaven Publishing, LLC	Bonita Vista High School	6	RQ17017620	1	set	GHNPM91908 Perspectives on Modern World History-set of 44 titles	\$1,185.44	\$1,185.44
539761	California Billiards	Montgomery Middle School	1	RQ17017574	2	ea	4x8 Black Knight Pool Table with blue cloth	\$1,695.00	\$3,390.00
539761	California Billiards	Montgomery Middle School	2	RQ17017574	2	ea	Set of Pool Balls	\$48.00	\$96.00
539761	California Billiards	Montgomery Middle School	3	RQ17017574	10	ea	Maple Cue Sticks	\$23.00	\$230.00
539761	California Billiards	Montgomery Middle School	4	RQ17017574	30	ea	Cue Tips	\$1.00	\$30.00
539761	California Billiards	Montgomery Middle School	5	RQ17017574	1	Lot	Delivery and Set-up	\$398.00	\$398.00
539762	Sport Supply Group, Inc.	Central Receiving	1	RQ17017934	1	EA	WLWTLFPQS17228, QUEST (-12)28 IN 16 OZ	\$59.99	\$59.99
539762	Sport Supply Group, Inc.	Central Receiving	2	RQ17017934	4	EA	504444XX, PREMIUM STEEL SAFETY NET	\$69.99	\$279.96
539762	Sport Supply Group, Inc.	Central Receiving	3	RQ17017934	5	EA	1143584, SHOULDER RESISTANCE HARNESS	\$74.99	\$374.95
539762	Sport Supply Group, Inc.	Central Receiving	4	RQ17017934	1	EA	1159226, JUGS FOOTBALL PASSING MACHINE	\$2,899.99	\$2,899.99
539762	Sport Supply Group, Inc.	Central Receiving	5	RQ17017934	1	EA	1394984, Sklz QB TRAINER PRO, netted	\$500.00	\$500.00
539762	Sport Supply Group, Inc.	Central Receiving	6	RQ17017934	1	EA	1083873, QB-TEE	\$149.99	\$149.99
539762	Sport Supply Group, Inc.	Central Receiving	7	RQ17017934	1	EA	1201987, HIGH STEP AGILITY TRAINER	\$249.99	\$249.99
539762	Sport Supply Group, Inc.	Central Receiving	8	RQ17017934	4	EA	FBREFFLG, UMPIRE/REFEREE FLAG	\$8.99	\$35.96
539762	Sport Supply Group, Inc.	Central Receiving	9	RQ17017934	1	EA	MSIGLO5X, IGLOO 5 GALLON YELLOW COOLER	\$69.99	\$69.99
539762	Sport Supply Group, Inc.	Central Receiving	10	RQ17017934	3	EA	3F1003, GST GAME FOOTBALL NCAA - OFFICIAL	\$89.99	\$269.97
539762	Sport Supply Group, Inc.	Central Receiving	11	RQ17017934	2	EA	1092493, SCOOTER BOARD PACKAGE SET OF 6	\$132.99	\$265.98
539762	Sport Supply Group, Inc.	Central Receiving	12	RQ17017934	1	EA	MSSBRACK2, GAMECRAFT SCOOTER BOSRD STORAGE RACK	\$50.99	\$50.99

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539763	National Business Furniture	CTE (formerly ROP)	1	RQ17017465	3	Ea	Square Flip Top Table Set; Mahogany Top/Black Frame	\$2,155.50	\$6,466.50
539764	National Business Furniture	CTE (formerly ROP)	1	RQ17017464	45	Ea	Mesh Back Nesting Chair; Black Grid Back/Black Fabric Seat/Titanium Finish	\$143.10	\$6,439.50
539765	National Business Furniture	CTE (formerly ROP)	1	RQ17017469	1	Ea	Half Round Table w/ Flip Top	\$296.10	\$296.10
539765	National Business Furniture	CTE (formerly ROP)	2	RQ17017469	1	Ea	Loveseat; Black Leather/Cherry Legs	\$611.10	\$611.10
539765	National Business Furniture	CTE (formerly ROP)	3	RQ17017469	2	Ea	Lounge Chair; Black Leather/Cherry Legs	\$445.50	\$891.00
539765	National Business Furniture	CTE (formerly ROP)	4	RQ17017469	15	Ea	Mesh Back Nesting Chair; Black Grid Back/Black Fabric Seat/Titanium Finish	\$152.10	\$2,281.50
539766	Willys Electronic Supply Co Inc	National City Adult School1		RQ17014929	2	each	Bullet Cam HD-SFI,VF 12/24V	\$196.46	\$392.92
539766	Willys Electronic Supply Co Inc	National City Adult School2		RQ17014929	1	Lot	Additonal Sales Tax for National City, CA 91950	\$1.96	\$1.96
539767	Avid Center	CTE (formerly ROP)	2	RQ17017850	1	ea	For TBA REG IDs: 478974	\$760.00	\$760.00
539768	Rosen Publishing Group,Granger Junior High School The			RQ17017452	1	25.85	Getting Creative with Fab Lab: Creating with 3D Printers	\$25.85	\$25.85
539768	Rosen Publishing Group,Granger Junior High School The			RQ17017452	1	22.80	Understanding the Paranormal: Investigating Angels and Demons	\$22.80	\$22.80
539768	Rosen Publishing Group,Granger Junior High School The			RQ17017452	1	22.80	Understanding the Paranormal: Investigating Hypnosis and Trances	\$22.80	\$22.80
539768	Rosen Publishing Group,Granger Junior High School The			RQ17017452	1	22.80	Understanding the Paranormal: Investigating Magic	\$22.80	\$22.80
539768	Rosen Publishing Group,Granger Junior High School The			RQ17017452	1	22.80	Understanding the Paranormal: Investigating Zombies and the Living Dead	\$22.80	\$22.80
539768	Rosen Publishing Group,Granger Junior High School The			RQ17017452	1	25.85	Inside the World of Drones: Drones and the Government	\$25.85	\$25.85
539768	Rosen Publishing Group,Granger Junior High School The			RQ17017452	1	25.85	Cryptography: Code Making and Code Breaking: Cyber Attacks, Counterattacks, and Espionage	\$25.85	\$25.85
539768	Rosen Publishing Group,Granger Junior High School The			RQ17017452	1	25.85	Cryptography: Code Making and Code Breaking: Digital Era Encryption and Decryption	\$25.85	\$25.85
539768	Rosen Publishing Group,Granger Junior High School The			RQ17017452	1	30.80	Law Enforcement and Intelligence Gathering: The Spy Game: International and Military Intelligence	\$30.80	\$30.80
539768	Rosen Publishing Group,Granger Junior High School The			RQ17017452	1	33.85	The World's Most Powerful Machines: The World's Most Powerful Submarines	\$33.85	\$33.85
539768	Rosen Publishing Group,Granger Junior High School The			RQ17017452	1	143.10	Skateboarding Tips and Tricks-6 TITLES	\$143.10	\$143.10

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539768	Rosen Publishing Group, Granger Junior High School	The	1	RQ17017452	1	23.52	Etiquette Rules!: Etiquette at School	\$23.85	\$23.85
539768	Rosen Publishing Group, Granger Junior High School	The	3	RQ17017452	1	155.10	How Can I Help? Friends Helping Friends-6 TITLES	\$155.10	\$155.10
539768	Rosen Publishing Group, Granger Junior High School	The	4	RQ17017452	1	25.85	Transgender Life: Coming Out as Transgender	\$25.85	\$25.85
539768	Rosen Publishing Group, Granger Junior High School	The	5	RQ17017452	1	222.80	Teen Life 411-8 TITLES	\$222.80	\$222.80
539768	Rosen Publishing Group, Granger Junior High School	The	6	RQ17017452	1	25.85	Combatting Shaming and Toxic Communities: Combatting Body Shaming	\$25.85	\$25.85
539768	Rosen Publishing Group, Granger Junior High School	The	7	RQ17017452	1	25.85	Divorce and Your Family: A Teen's Guide to Custody	\$25.85	\$25.85
539768	Rosen Publishing Group, Granger Junior High School	The	8	RQ17017452	1	28.85	Cool Careers Without College: Cool Careers Without College for People Who Love to Repair Things	\$28.85	\$28.85
539768	Rosen Publishing Group, Granger Junior High School	The	9	RQ17017452	1	28.85	Cool Careers Without College: Cool Careers Without College for People Who Love Tech	\$28.85	\$28.85
539768	Rosen Publishing Group, Granger Junior High School	The	20	RQ17017452	1	30.80	The Study of Science: Cosmology: Understanding the Evolution of the Universe	\$30.80	\$30.80
539768	Rosen Publishing Group, Granger Junior High School	The	21	RQ17017452	1	25.85	Janice VanCleave's Wild, Wacky, and Weird Science Experiments: Janice VanCleave's Wild, Wacky, and Weird Astronomy Experiments	\$25.85	\$25.85
539768	Rosen Publishing Group, Granger Junior High School	The	22	RQ17017452	1	25.85	Janice VanCleave's Wild, Wacky, and Weird Science Experiments: Janice VanCleave's Wild, Wacky, and Weird Biology Experiments	\$25.85	\$25.85
539768	Rosen Publishing Group, Granger Junior High School	The	23	RQ17017452	1	25.85	Janice VanCleave's Wild, Wacky, and Weird Science Experiments: Janice VanCleave's Wild, Wacky, and Weird Chemistry Experiments	\$25.85	\$25.85
539768	Rosen Publishing Group, Granger Junior High School	The	24	RQ17017452	1	25.85	Janice VanCleave's Wild, Wacky, and Weird Science Experiments: Janice VanCleave's Wild, Wacky, and Weird Physics Experiments	\$25.85	\$25.85
539768	Rosen Publishing Group, Granger Junior High School	The	25	RQ17017452	1	155.10	Life in the Middle Ages-6 titles	\$155.10	\$155.10
539768	Rosen Publishing Group, Granger Junior High School	The	26	RQ17017452	1	22.80	Warriors Around the World: Ninjas	\$22.80	\$22.80
539768	Rosen Publishing Group, Granger Junior High School	The	27	RQ17017452	1	143.10	Spotlight on the Rise and Fall of Ancient Civilizations: Mesopotamia-6 titles	\$143.10	\$143.10
539768	Rosen Publishing Group, Granger Junior High School	The	28	RQ17017452	1	129.25	The Rise and Fall of Empires -5 titles	\$129.25	\$129.25

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539768	Rosen Publishing Group, Granger Junior High School		29	RQ17017452	1	27.85	The Silk Road's Greatest Travelers: Marco Polo: Epic Traveler Throughout Asia	\$27.85	\$27.85
539768	Rosen Publishing Group, Granger Junior High School		30	RQ17017452	1	27.85	Leaders of the Ancient World: Hatshepsut	\$27.85	\$27.85
539768	Rosen Publishing Group, Granger Junior High School		31	RQ17017452	1	161.10	The Lives of Great Artists-6 titles	\$161.10	\$161.10
539768	Rosen Publishing Group, Granger Junior High School		32	RQ17017452	1	155.10	¿Como puedo ayudar? Para eso estan los amigos (How Can I Help? Friends Helping Friends)-6 titles	\$155.10	\$155.10
539768	Rosen Publishing Group, Granger Junior High School		33	RQ17017452	1	111.40	Monster Hunting-4 titles	\$111.40	\$111.40
539768	Rosen Publishing Group, Granger Junior High School		34	RQ17017452	1	26.85	Turning Your Tech Hobbies Into a Career: Getting Paid to Make Games and Apps	\$26.85	\$26.85
539768	Rosen Publishing Group, Granger Junior High School		35	RQ17017452	1	25.85	Janice VanCleave's Wild, Wacky, and Weird Science Experiments: Janice VanCleave's Wild, Wacky, and Weird Earth Science Experiments	\$25.85	\$25.85
539768	Rosen Publishing Group, Granger Junior High School		36	RQ17017452	1	25.85	Bearing Witness: Genocide and Ethnic Cleansing in the Modern World: The Bosnian War and Ethnic Cleansing	\$25.85	\$25.85
539769	California Association Of School Psychologists	Special Services	1	RQ17017759	15	ea	CASP members registration EARLY BIRD fee is approximately \$160 ea. CASP convention on 10/5/17-10/7/17 at the Hyatt Regency in Garden Grove, CA	\$80.00	\$1,200.00
539769	California Association Of School Psychologists	Special Services	2	RQ17017759	13	ea	Non-CASP members registration EARLY BIRD fee is approximately \$160 ea. CASP convention on 10/5/17-10/7/17 at the Hyatt Regency in Garden Grove, CA	\$130.00	\$1,690.00
539770	Broadway Typewriter Company Inc	Central Receiving	1	RQ17016414	1	EA	CC489A HP COLOR LASERJET CP4025N PRINTER	\$836.51	\$836.51
539770	Broadway Typewriter Company Inc	Central Receiving	2	RQ17016414	1	ea	UG828E HP Care Pack 4-Hour samr business day hardware support. 3 years on site	\$435.00	\$435.00
539771	SiteOne Landscape Supply Holding LLC	Athletic Support	1	RQ17017547	6	CS	Field line mark paint (white)	\$59.90	\$359.38
539772	Maintex, Inc.	Montgomery High School	1	RQ17017618	3		LAXTEX X-LARGE DISP GLOVES	\$5.34	\$16.02
539772	Maintex, Inc.	Montgomery High School	2	RQ17017618	3	5 GAL	JUST RIGHT FLOOR WAX STRIPPER	\$22.09	\$66.27
539772	Maintex, Inc.	Montgomery High School	3	RQ17017618	2		BLEACH 6%	\$9.93	\$19.86
539772	Maintex, Inc.	Montgomery High School	4	RQ17017618	2		LINER HD 33 X40 .57 MIL	\$22.36	\$44.72
539772	Maintex, Inc.	Montgomery High School	5	RQ17017618	10		JUST RIGHT ALL PURPOSE FLOOR FINISH	\$37.81	\$378.10

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539773	Living Coast Discovery Center	Professional Development	1	RQ17017565	1	ea	Consultant, The Agreement with Living Coast Discovery Center will provide professional development for 35-40 SUHSD science teachers participating in the California Mathematics and Science Partnership (CaMSP) Grant. Science teachers will be trained to incorporate inquiry and engineering practices aligned to Next Generation Science Standards (NGSS) into the classroom. Also, science teachers will gain skills to make science concepts more accessible to targeted student populations.	\$640.00	\$640.00
539774	Living Coast Discovery Center	Bonita Vista Middle School	1	RQ17014138	1	Lot	Consultant Living Coast Discovery Center school outreach program will provide the 7th grade students of Bonita Vista middle School a learning program for educationally - disadvantaged population to obtain specialized science content material. Counsultant will provides enhancement to curriculum beyond the regular commom core cirriculum taught by teachers.	\$2,000.00	\$2,000.00
539774	Living Coast Discovery Center	Bonita Vista Middle School	2	RQ17014138	1	.	Consultant Living Coast Discovery Center will provide services 3/14/2017 - 5/30/2017.	\$0.00	\$0.00
539775	JES Engraving Company, Inc.	Athletic Support	1	RQ17017932	1	lot	Spring season awards. Estimate 1185	\$936.98	\$936.98
539775	JES Engraving Company, Inc.	Athletic Support	2	RQ17017932	1	lot	Spring season awards. Estimate 1184	\$78.80	\$78.80
539775	JES Engraving Company, Inc.	Athletic Support	3	RQ17017932	1	lot	Spring season awards. Estimate 1183	\$756.00	\$756.00
539775	JES Engraving Company, Inc.	Athletic Support	4	RQ17017932	1	lot	Spring season awards. Estimate 1182	\$259.20	\$259.20
539776	C. W. Driver	Planning & Facilities	1	RQ17017985	1	lot	Provide Design Build services for the District Wide HVAC Project, RFP #67-2580-LB.	\$1,808,717.00	\$1,808,717.00
539777	Peterson's Nelnet, LLC	State & Federal Programs	1	RQ17017065	1	lot	Consultant Peterson's Nelnet, LLC, will provide workshops to students of Mater Dei Catholic High School, with additional instruction and practice in critical areas of MATH and ELA, who scored below proficiency.	\$25,000.00	\$25,000.00
539778	Dick Blick Company	Southwest High School	1	RQ17016304	12	EA	Excel Hobby Knives	\$1.75	\$21.00
539778	Dick Blick Company	Southwest High School	2	RQ17016304	4	EA	Alvin Utility Knife	\$3.83	\$15.32

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539778	Dick Blick Company	Southwest High School	3	RQ17016304	12	EA	Self Healing Mats-Black 9 x 12	\$4.93	\$59.16
539778	Dick Blick Company	Southwest High School	4	RQ17016304	12	EA	Self Healing Mats-Blue 9 x 12	\$4.93	\$59.16
539778	Dick Blick Company	Southwest High School	5	RQ17016304	10	EA	5 Cutters w/o handle Lineloum Blocks	\$5.03	\$50.30
539778	Dick Blick Company	Southwest High School	6	RQ17016304	20	EA	Lineloum Blocks	\$4.22	\$84.40
539778	Dick Blick Company	Southwest High School	7	RQ17016304	3	EA	Lineloum Cutters	\$7.24	\$21.72
539778	Dick Blick Company	Southwest High School	8	RQ17016304	3	EA	Pre Cut Linoleum	\$10.70	\$32.10
539779	Barnes & Noble Booksellers, USA Inc.	Hilltop High School	1	RQ17016378	1	ea	Howl's Moving Castle DVD UPC:0786936296662 Release Date: 03/07/2006 Original Release:2004	\$19.99	\$19.99
539779	Barnes & Noble Booksellers, USA Inc.	Hilltop High School	2	RQ17016378	1	ea	Eye in the Sky DVD UPC:0025192349249 Release Date:06/28/2016 Original Release:2015	\$14.99	\$14.99
539779	Barnes & Noble Booksellers, USA Inc.	Hilltop High School	3	RQ17016378	1	ea	Hairspray DVD UPC:0794043609923 Release Date:11/05/2002 Original Release:1988	\$14.99	\$14.99
539779	Barnes & Noble Booksellers, USA Inc.	Hilltop High School	4	RQ17016378	1	ea	Full Metal Jacket DVD UPC:0085391163114 Release Date:05/15/2007 Original Release:1987	\$5.99	\$5.99
539779	Barnes & Noble Booksellers, USA Inc.	Hilltop High School	5	RQ17016378	1	ea	Moscow on the Hudson DVD UPC:0683904538277 Release Date:09/23/2014 Original Release:1984	\$9.99	\$9.99
539779	Barnes & Noble Booksellers, USA Inc.	Hilltop High School	6	RQ17016378	1	ea	Maria Full of Grace DVD UPC:0026359192722 Release Date:12/07/2004 Original Release:2003	\$9.99	\$9.99
539779	Barnes & Noble Booksellers, USA Inc.	Hilltop High School	7	RQ17016378	1	ea	She's the Man DVD UPC:0032429258106 Release Date:01/24/2017 Original Release:2006	\$6.99	\$6.99
539779	Barnes & Noble Booksellers, USA Inc.	Hilltop High School	8	RQ17016378	1	ea	Spirited Away DVD UPC:0786936213843 Release Date:04/15/2003 Original Release:2001	\$29.99	\$29.99
539779	Barnes & Noble Booksellers, USA Inc.	Hilltop High School	9	RQ17016378	1	ea	Princess Mononoke DVD UPC:0717951007414 Release Date:12/19/2000 Original Release:1997	\$19.99	\$19.99
539779	Barnes & Noble Booksellers, USA Inc.	Hilltop High School	10	RQ17016378	1	ea	Ponyo DVD UPC:0786936791754 Release Date:03/02/2010 Original Release:2008	\$19.99	\$19.99
539780	Follett School Solutions, Bonita Vista Middle School Inc.		1	RQ17016175	1	Lot	1 Pre-selected book title "I am Mandala: how one girl..." (25 copies total) per Titlewave Quote ID 9104097	\$361.50	\$361.50
539780	Follett School Solutions, Bonita Vista Middle School Inc.		2	RQ17016175	1	Lot	Cataloging and processing for books	\$40.50	\$40.50

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539781	Aristotle Corporation	Mar Vista High School	1	RQ17015136	20	EA	BLANK POSTER PAD	\$3.91	\$78.20
539781	Aristotle Corporation	Mar Vista High School	2	RQ17015136	10	EA	ALGEBRA TILES MAGNETIC	\$10.16	\$101.60
539781	Aristotle Corporation	Mar Vista High School	3	RQ17015136	320	SET	MAPED STUDY COMPASS	\$1.19	\$380.80
539781	Aristotle Corporation	Mar Vista High School	4	RQ17015136	20	EA	SMALL STICKY GRAPH PAPER PADS-ALGEBRA	\$8.08	\$161.60
539781	Aristotle Corporation	Mar Vista High School	5	RQ17015136	20	EA	ECONOMY GRAPH PAPER - 500 SHEETS, 8-1/2' X 11'	\$7.61	\$152.20
539781	Aristotle Corporation	Mar Vista High School	6	RQ17015136	12	EA	X-Y AXIS RUBBER STAMP	\$5.40	\$64.80
539781	Aristotle Corporation	Mar Vista High School	7	RQ17015136	20	EA	GRAPH PAPER, 8 1/2' X 11' 50 SHEETS	\$1.57	\$31.40
539781	Aristotle Corporation	Mar Vista High School	8	RQ17015136	20	EA	RECTANGULAR GRAPH PAPER - 1/4' SQUARES	\$14.41	\$288.20
539781	Aristotle Corporation	Mar Vista High School	9	RQ17015136	20	EA	POST-IT EASEL PAD	\$23.38	\$467.60
539781	Aristotle Corporation	Mar Vista High School	10	RQ17015136	20	EA	EXTRA LARGE GRAPH PAPER PAD	\$12.50	\$250.00
539782	School Health Corporation	National City Middle School	1	RQ17016503	1	BX	SPTH BANDAGE ELASTIC 4IN X 5YD W/VELCRO 12/BX	\$17.47	\$17.47
539782	School Health Corporation	National City Middle School	2	RQ17016503	6	RL	BANDAGE COBAN 1 IN ELASTIC WRAP	\$2.04	\$12.24
539782	School Health Corporation	National City Middle School	3	RQ17016503	1	KIT	SH ADH BDG 1 IN PLAS 750/BX	\$19.94	\$19.94
539782	School Health Corporation	National City Middle School	4	RQ17016503	1	BX	SH TONGUE DEPRESSORS REG 500/BX NON-STERILE	\$4.85	\$4.85
539782	School Health Corporation	National City Middle School	5	RQ17016503	2	BX	SH GLOVES VINYL M POWDER FREE 100/BX	\$4.21	\$8.42
539782	School Health Corporation	National City Middle School	6	RQ17016503	1	EACH	CITRACE GERMICIDAL 14 OZ HOSPITAL DEODORIZER	\$9.04	\$9.04
539782	School Health Corporation	National City Middle School	7	RQ17016503	1	EACH	3M AVAGARD D INSTANT HAND ANTISEPTIC 16.9 OZ	\$13.88	\$13.88
539782	School Health Corporation	National City Middle School	8	RQ17016503	1	EACH	SKINTEGRITY WOUND CLEANSER SPRAY 16 OZ	\$12.00	\$12.00
539782	School Health Corporation	National City Middle School	9	RQ17016503	1	LOT	NATIONAL CITY TAX ADJUSTMENT	\$0.48	\$0.48
539783	Cambridge Holdings corporation	Chula Vista Middle School	1	RQ17018009	1	ea	MDLMKR-IND, Silhouette Modelmaker Emailed	\$44.99	\$44.99
539783	Cambridge Holdings corporation	Chula Vista Middle School	2	RQ17018009	2	ea	EMBOSS-PPR-LTR - Silhouette Curio Score & Emboss Paper 8.5' x 11'	\$7.19	\$14.38
539784	Demco Inc.	Olympian High School	1	RQ17016798	3	ea	Metal Label Peeler	\$6.79	\$20.37
539784	Demco Inc.	Olympian High School	2	RQ17016798	7	ea	Cut-Corner File Case 11 1/2'H x 4'W x 8 3/4'D, Black	\$5.86	\$41.02
539784	Demco Inc.	Olympian High School	3	RQ17016798	5	ea	DEMCO Premium Book Tape 2' x 30 Yards	\$11.17	\$55.85

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539785	Accent Electronics, Inc	Business Services	1	RQ17017140	6	each	Wall Mount For FLEXIDOME - Bosch	\$75.68	\$454.08
539785	Accent Electronics, Inc	Business Services	2	RQ17017140	1	each	CAT 5e-Light Blue - Non-Plenum (Systimax)	\$301.50	\$301.50
539785	Accent Electronics, Inc	Business Services	3	RQ17017140	6	each	Surveillance Camera - FLEXIDOME IP starlight 6000 VR 1080p 3-9mm SMB 117*x59*	\$1,079.50	\$6,477.00
539785	Accent Electronics, Inc	Business Services	4	RQ17017140	12	each	male CAT 5/6 Modular Plug	\$0.51	\$6.12
539785	Accent Electronics, Inc	Business Services	5	RQ17017140	1	each	Video Recorder - DIVAR IP 3000 Video Management Tower, 32 CH, 2 x 2 TB HDD	\$2,584.00	\$2,584.00
539785	Accent Electronics, Inc	Business Services	6	RQ17017140	1	lot	Camera Portion labor cost	\$2,834.00	\$2,834.00
539785	Accent Electronics, Inc	Business Services	7	RQ17017140	43	each	WireMold 800 Series Raceway	\$18.00	\$774.00
539785	Accent Electronics, Inc	Business Services	8	RQ17017140	8	each	WireMold Surface Box	\$12.00	\$96.00
539785	Accent Electronics, Inc	Business Services	9	RQ17017140	1		Wiremold Portion labor cost	\$2,011.75	\$2,011.75
539786	Accent Electronics, Inc	Business Services	1	RQ17017205	5	each	Wall Mount for FLEXIDOME- Bosch	\$81.92	\$409.60
539786	Accent Electronics, Inc	Business Services	2	RQ17017205	2	each	CAT 5e - Light Blue - Non-Plenum--Systimax	\$326.32	\$489.48
539786	Accent Electronics, Inc	Business Services	3	RQ17017205	5	each	Surveillance Camera - FLEXIDOME IP starlight 60000 VR 1080p 3-9mm SMB - 117* x 59*--Bosch	\$1,168.40	\$5,842.00
539786	Accent Electronics, Inc	Business Services	4	RQ17017205	10	each	Male CAT 5/6 Modular Plug	\$0.55	\$5.50
539786	Accent Electronics, Inc	Business Services	5	RQ17017205	1	each	OUTREACH Max POE Powered Lan & POE Extender - 100m ea	\$248.40	\$248.40
539786	Accent Electronics, Inc	Business Services	6	RQ17017205	1	lot	Labor Cost	\$2,645.50	\$2,645.50
539787	Rasix Computer Center, Inc.	Board of Trustees	1	RQ17018004	2	EA	HP 57 Tri color Ink cartridge	\$33.00	\$66.00
539788	Prophet Corporation (The)	Bonita Vista High School	1	RQ17017754	1	ea	Assess Pro Rep-Addition Push Up Tester	\$67.85	\$67.85
539788	Prophet Corporation (The)	Bonita Vista High School	2	RQ17017754	3	ea	Mikasa BX1010-rubber Basketball, Size 6	\$11.65	\$34.95
539789	Prophet Corporation (The)	Hilltop Middle School	1	RQ17016383	2	each	Insta-Pulse- Hand Held 11' Unit	\$125.10	\$250.20
539789	Prophet Corporation (The)	Hilltop Middle School	2	RQ17016383	2	each	Triumph Flag Belt System- 24 Player Set, Medium	\$94.50	\$189.00
539789	Prophet Corporation (The)	Hilltop Middle School	3	RQ17016383	1	each	Triumph Flag Belt System- 24 Player Set, Large	\$94.50	\$94.50
539789	Prophet Corporation (The)	Hilltop Middle School	4	RQ17016383	2	each	Gopher Defender Soccer Ball- Size 5, Set of 6	\$77.55	\$155.10
539789	Prophet Corporation (The)	Hilltop Middle School	5	RQ17016383	1	each	Rainbow DuraHoop Revolution Hoops- 36' dia, Set of 12	\$82.40	\$82.40

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539789	Prophet Corporation (The)	Hilltop Middle School	6	RQ17016383	1	each	Rainbow UltraFlite Kickball- 10' Dia, Set of 6	\$67.85	\$67.85
539790	Prophet Corporation (The)	Chula Vista Middle School	1	RQ17017073	2	ea	Futsal goal net	\$157.50	\$315.00
539791	Prophet Corporation (The)	Hilltop High School	1	RQ17017318	1	Ea.	InReach SoftPlay, Volleyball 13'	\$15.47	\$15.47
539791	Prophet Corporation (The)	Hilltop High School	2	RQ17017318	1	Ea	Rainbow Playground Balls 8.5' dia (set of 6)	\$35.95	\$35.95
539791	Prophet Corporation (The)	Hilltop High School	3	RQ17017318	1	Ea.	Fun Gripper Balls 9' dia	\$10.75	\$10.75
539791	Prophet Corporation (The)	Hilltop High School	4	RQ17017318	1	Ea.	CharacterEd Rubber Soccer Balls Size 4 (set of 6)	\$63.00	\$63.00
539792	Prophet Corporation (The)	Alta Vista Academy	1	RQ17017703	6	ea	DeBeer Clincher Gymball Softballs- 16'	\$17.95	\$107.70
539792	Prophet Corporation (The)	Alta Vista Academy	2	RQ17017703	2	Set of 6	Screamin Yellow Balls - Softball Size 12', 4' dia	\$10.75	\$21.50
539792	Prophet Corporation (The)	Alta Vista Academy	3	RQ17017703	1	Set of 6	Victory 1000 Socer Balls - Size 5	\$85.45	\$85.45
539792	Prophet Corporation (The)	Alta Vista Academy	4	RQ17017703	2	ea	Individual Bag, Size: Large. Color Blue	\$15.47	\$30.94
539793	Staples Inc. & Subsidiaries	Human Resources Office	1	RQ17017826	1	Ea	Office chair, item 324599	\$271.00	\$271.00
539794	Orange County Department Of Education	State & Federal Programs	1	RQ17012254	3	ea	CA ELD Standards Bookmark (K-12) for Teachers (set of 100) Quote attached: \$45 for a set of 100 - Tax plus S&H (FedEx \$6.75.)Delivery: SUHSD State & Federal at 466 Moss Street - Attn: Lisa Burgess	\$45.00	\$135.00
539795	iDesign USA Corp.	Hilltop High School	1	RQ17016595	2	Each	High strength shaft 12' Long (4-pack)	\$14.99	\$29.98
539795	iDesign USA Corp.	Hilltop High School	2	RQ17016595	1	Each	VRC in the zone - full field kit	\$499.95	\$499.95
539795	iDesign USA Corp.	Hilltop High School	3	RQ17016595	15	Each	VEX Robotics 2 - wire motor 393	\$14.99	\$224.85
539795	iDesign USA Corp.	Hilltop High School	4	RQ17016595	2	Each	Metal 12 tooth pinion (12-pack)	\$19.99	\$39.98
539795	iDesign USA Corp.	Hilltop High School	5	RQ17016595	2	Each	High strength shaft bearing (10-pack)	\$7.99	\$15.98
539795	iDesign USA Corp.	Hilltop High School	6	RQ17016595	2	Each	High strength shaft spacer kit	\$9.99	\$19.98
539795	iDesign USA Corp.	Hilltop High School	7	RQ17016595	2	Each	High strength clamping shaft collar (10-pack)	\$9.99	\$19.98
539795	iDesign USA Corp.	Hilltop High School	8	RQ17016595	1	Each	3.25' traction wheel (4-pack)	\$19.99	\$19.99
539795	iDesign USA Corp.	Hilltop High School	9	RQ17016595	1	Each	Mecanum wheel 4' (4-pack)	\$59.99	\$59.99
539795	iDesign USA Corp.	Hilltop High School	10	RQ17016595	1	Each	Pneumatics kit 2 - double acting cylinders	\$229.95	\$229.95
539795	iDesign USA Corp.	Hilltop High School	11	RQ17016595	1	Each	VEX cortex video trainer	\$499.99	\$499.99

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539795	iDesign USA Corp.	Hilltop High School	12	RQ17016595	1	Each	Robot virtual worlds - VEX 4.X single license (1x)	\$79.99	\$79.99
539796	Flinn Scientific, Inc.	Montgomery High School	1	RQ17017117	1	ea	HYDROCHLORIC ACID	\$33.01	\$33.01
539796	Flinn Scientific, Inc.	Montgomery High School	2	RQ17017117	1	ea	IRON(III)	\$8.84	\$8.84
539796	Flinn Scientific, Inc.	Montgomery High School	3	RQ17017117	1	ea	IRON (II)	\$23.06	\$23.06
539796	Flinn Scientific, Inc.	Montgomery High School	4	RQ17017117	1	ea	ZINC MOSSY 500G	\$21.56	\$21.56
539796	Flinn Scientific, Inc.	Montgomery High School	5	RQ17017117	1	ea	ZINC CHLORIDE 100G - *FOR DEMONSTRATION PURPOSES TO BE USED BY TEACHER ONLY*	\$7.49	\$7.49
539796	Flinn Scientific, Inc.	Montgomery High School	6	RQ17017117	1	ea	BERAL PIPET. GRADUATED, 500 /PKG	\$21.96	\$21.96
539796	Flinn Scientific, Inc.	Montgomery High School	7	RQ17017117	1	ea	HYDROGEN PEROXIDE, 3% *FOR DEMONSTRATION PURPOSES TO BE USED BY TEACHER ONLY*	\$15.71	\$15.71
539796	Flinn Scientific, Inc.	Montgomery High School	8	RQ17017117	1	ea	HYDROGEN PEROSIDE 30%	\$23.50	\$23.50
539796	Flinn Scientific, Inc.	Montgomery High School	9	RQ17017117	1	ea	ETHYL ALCOHOL 79%	\$21.48	\$21.48
539796	Flinn Scientific, Inc.	Montgomery High School	10	RQ17017117	1	ea	ETHYL ALCOHOL 95%	\$23.86	\$23.86
539796	Flinn Scientific, Inc.	Montgomery High School	11	RQ17017117	1	ea	NITRILE GLOVE #8	\$3.30	\$3.30
539796	Flinn Scientific, Inc.	Montgomery High School	12	RQ17017117	1	ea	NITRILE GLOVES #9	\$3.30	\$3.30
539796	Flinn Scientific, Inc.	Montgomery High School	13	RQ17017117	1	ea	HAZARD FEE	\$21.75	\$21.75
539797	Fisher Scientific, LLC	Castle Park High School	1	RQ17017063	1	EA	HOTPLATE STIRRING; CORNING ; DIGITAL LED DISPLAY; 5 X 7 IN; 60 TO 1100 rpmng	\$383.24	\$383.24
539797	Fisher Scientific, LLC	Castle Park High School	2	RQ17017063	1	EA	HOTPLATE DIGITAL; CORNING; MODEL PC-400D; LED DISPLAY: 5 X 7 in	\$220.88	\$220.88
539797	Fisher Scientific, LLC	Castle Park High School	3	RQ17017063	2	EA	Fisherbrand Standard Mini-Centrifuge	\$219.50	\$439.00
539798	Staples Inc. & Subsidiaries	Special Services	1	RQ17017439	1	ea	Staples Shredder Oil, 14oz, Model: 12395	\$7.80	\$7.80
539799	Flinn Scientific, Inc.	Sweetwater High School	1	RQ17017453	8	ea	FLINN HOT PLATE 7X7	\$225.25	\$1,802.00
539799	Flinn Scientific, Inc.	Sweetwater High School	2	RQ17017453	1	lot	Additional tax NC	\$9.01	\$9.01
539800	Demco Inc.	Bonita Vista Middle School	1	RQ17016936	1	EA	HIGH CAPACITY ELECTRIC STAPLER B8E INCLUDES BOX OF STAPLES	\$102.30	\$102.30
539800	Demco Inc.	Bonita Vista Middle School	2	RQ17016936	2	EA	CAFE STOOL W/CUTOUT BLK #809474	\$80.99	\$161.98
539800	Demco Inc.	Bonita Vista Middle School	3	RQ17016936	1	EA	DEMCO BOOK CLEANER	\$10.20	\$10.20
539800	Demco Inc.	Bonita Vista Middle School	4	RQ17016936	1	EA	NEUTRAL PH BINDING ADHESIVE 1 QT BOTTLE	\$15.38	\$15.38
539800	Demco Inc.	Bonita Vista Middle School	5	RQ17016936	1	EA	PASTE CLOTH, 20 PKG	\$7.86	\$7.86

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539800	Demco Inc.	Bonita Vista Middle School	6	RQ17016936	1	PKG	4 WAY COLOR H-BANDS ASSORTMENT PACK	\$6.71	\$6.71
539800	Demco Inc.	Bonita Vista Middle School	7	RQ17016936	1	PKG	BOOK & VIDEO DISPLAY STAND CLEAR	\$7.05	\$7.05
539800	Demco Inc.	Bonita Vista Middle School	8	RQ17016936	1	PKG	HOLDEX Adhesive Shelf Label Holder	\$13.30	\$13.30
539800	Demco Inc.	Bonita Vista Middle School	9	RQ17016936	2	EA	VVINYL ROCKER RED, This item may not be returned unless damaged or defective.	\$139.50	\$279.00
539800	Demco Inc.	Bonita Vista Middle School	10	RQ17016936	1	EA	HEAVY DUTY TABLETOP BOOK RACK	\$52.99	\$52.99
539800	Demco Inc.	Bonita Vista Middle School	11	RQ17016936	1	EA	K'NEX INTRO TO STRUCTURES: BRIDGES	\$60.80	\$60.80
539800	Demco Inc.	Bonita Vista Middle School	12	RQ17016936	2	EA	HEAVY DUTY NON-GLARE LBL PROTECT	\$33.47	\$66.94
539800	Demco Inc.	Bonita Vista Middle School	13	RQ17016936	2	EA	MONTH/ DAY BAND DATER	\$8.96	\$17.92
539801	Flinn Scientific, Inc.	Professional Development	1	RQ17017459	2	EA	COPPER (II) CHLORIDE, 500G	\$16.36	\$32.73
539801	Flinn Scientific, Inc.	Professional Development	2	RQ17017459	5	EA	BOTTLE DROPPING, POLYETHYLENE	\$3.95	\$19.76
539801	Flinn Scientific, Inc.	Professional Development	3	RQ17017459	2	EA	FILTER PAPER, QUALITATIVE	\$5.53	\$11.05
539801	Flinn Scientific, Inc.	Professional Development	4	RQ17017459	1	EA	HYDROCHLORIC ACID SOLN, 1M, 1L	\$8.63	\$8.63
539801	Flinn Scientific, Inc.	Professional Development	5	RQ17017459	1	EA	HYDROCHL. ACID SOLN 3M 500 ML	\$6.12	\$6.12
539801	Flinn Scientific, Inc.	Professional Development	6	RQ17017459	20	EA	ICE MELTING BLOCKS	\$20.83	\$416.50
539801	Flinn Scientific, Inc.	Professional Development	7	RQ17017459	3	PK	NICKEL ELECTRODE STRIPS, PK/6	\$14.92	\$44.75
539801	Flinn Scientific, Inc.	Professional Development	8	RQ17017459	8	EA	PIEZOELECTRIC IGNITER	\$10.97	\$87.72
539801	Flinn Scientific, Inc.	Professional Development	9	RQ17017459	23	EA	SMALL SCALE SYNTHESIS OF	\$50.79	\$1,168.11
539801	Flinn Scientific, Inc.	Professional Development	10	RQ17017459	1	EA	POLYSNOW, 100G	\$11.48	\$11.48
539801	Flinn Scientific, Inc.	Professional Development	11	RQ17017459	16	EA	MELTING POINT TUBE, THIELE	\$10.84	\$173.40
539802	littleBits Electronics, Inc.	Montgomery Middle School	1	RQ17017278	4	EA	680-0010, KIT CODE	\$284.95	\$1,139.80
539802	littleBits Electronics, Inc.	Montgomery Middle School	2	RQ17017278	1	EA	670-0055-001A3, (INV) COLL, STEM EDUCATION CLASS PACK, 16 STUDENTS	\$1,139.95	\$1,139.95
539803	School Datebooks	Chula Vista Middle School	11	RQ17014949	1,100		Steamboat 5.5 x8.5 Planner, w/personalized cardstock covers featuring school name and logo in black ink	\$1.70	\$1,867.25
539804	Really Good Stuff, Inc.	Special Services	1	RQ17017579	1	pk of 90	E.Z.C. Reader Strips	\$39.60	\$39.60
539805	Camcor, Inc	Central Receiving	1	RQ17016859	1	ea	Panasonic HC-V770K 1080P Camcorder	\$526.94	\$526.94
539806	EZ Flex LLC	Castle Park High School	1	RQ17017066	2	EA	6' x 24' x 1- 5/8' Wres roll black EZ flex paint start marks 111R BK	\$596.16	\$1,192.32

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539806	EZ Flex LLC	Castle Park High School	2	RQ17017066	1	EA	Tape 4' x 84' clear tape	\$15.00	\$15.00
539807	Myers-Stevens & Toohey & Co, Inc	Sweetwater High School	1	RQ17018008	1	Lot	Short term accident insurance coverage. 33 participants x 4 calendar days x \$1.75 premium rate. \$231.00 premium due.	\$231.00	\$231.00
539808	NoRedink Corp	Eastlake Middle School	1	RQ17017083	1	Lot	Annual NoRedInk Premium (Conventions + Writing), 200 students limit Service Period May 1 2017 to June 30 2018	\$3,000.00	\$3,000.00
539808	NoRedink Corp	Eastlake Middle School	2	RQ17017083	1	Lot	Virtual Support, 3 teachers limits	\$900.00	\$900.00
539809	College Board (The)	Olympian High School	1	RQ17016432	1	ea	Counselor Set (4 Titles): College Handbook 2018, Getting Financial Aid 2018, Scholarship Handbook 2018, Book of Majors 2018	\$94.99	\$94.99
539809	College Board (The)	Olympian High School	2	RQ17016432	3	ea	The Official SAT Study Guide 2018 Edition, ISBN: 978145730928	\$28.99	\$86.97
539809	College Board (The)	Olympian High School	3	RQ17016432	3	ea	The Official Study Guide for all SAT Subject tests, Second Edition, ISBN: 9780874479751	\$22.99	\$68.97
539809	College Board (The)	Olympian High School	4	RQ17016432	3	ea	The Official SAT Subject Test Study Guide: Biology, ISBN: 978145709205	\$18.99	\$56.97
539809	College Board (The)	Olympian High School	5	RQ17016432	3	ea	The Official SAT Subject Test Study Guide: Chemistry, ISBN: 9781457309199	\$18.99	\$56.97
539809	College Board (The)	Olympian High School	6	RQ17016432	3	ea	The Official SAT Subject Test Study Guide: Physics, ISBN: 9781457309212	\$18.99	\$56.97
539809	College Board (The)	Olympian High School	7	RQ17016432	3	ea	The Official SAT Subject Test Study Guide: US History, ISBN: 9781457309311	\$19.99	\$59.97
539809	College Board (The)	Olympian High School	8	RQ17016432	3	ea	The Official SAT Subject Test Study Guide: World History History, ISBN: 9781457309335	\$19.99	\$59.97
539809	College Board (The)	Olympian High School	9	RQ17016432	3	ea	The Official SAT Subject Test Study Guide: Mathematics Level 1, ISBN: 9781457309304	\$19.99	\$59.97
539809	College Board (The)	Olympian High School	10	RQ17016432	3	ea	The Official SAT Subject Test Study Guide: Mathematics Level 2, ISBN: 9781457309328	\$19.99	\$59.97
539809	College Board (The)	Olympian High School	11	RQ17016432	2	ea	Get It Together for College, 4th Edition, ISBN: 9781457309267	\$15.99	\$31.98
539809	College Board (The)	Olympian High School	12	RQ17016432	2	ea	The College Application Essay, 6th Edition, ISBN: 9781457304286	\$15.99	\$31.98
539809	College Board (The)	Olympian High School	13	RQ17016432	2	ea	Campus Visits & College Interviews, ISBN: 9780874479881	\$14.99	\$29.98
539809	College Board (The)	Olympian High School	14	RQ17016432	2	ea	CLEP Official Study Guide 2018, ISBN: 9781457309298	\$24.99	\$49.98

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539809	College Board (The)	Olympian High School	15	RQ17016432	2	ea	Getting Financial Aid 2018, ISBN: 9781457309243	\$24.99	\$49.98
539809	College Board (The)	Olympian High School	16	RQ17016432	2	ea	Scholarship Handbook 2018, ISBN: *9781457309274	\$31.99	\$63.98
539810	9 Square in the Air, LLC	Southwest Middle School	1	RQ17016339	2	EA	9 SQUARE IN THE AIR	\$799.00	\$1,598.00
539811	Perma-Bound Books	Bonita Vista High School	1	RQ17017753	30	ea	I know Why the Caged Bird Sings by Maya Angelou PermaBound edition	\$13.11	\$393.30
539812	Perma-Bound Books	Bonita Vista High School	1	RQ17017721	50	ea	King Lear Folger Paperback edition	\$6.97	\$348.50
539812	Perma-Bound Books	Bonita Vista High School	2	RQ17017721	10	ea	Of Mice and Men	\$8.25	\$82.50
539813	Follett School Solutions, Inc.	Bonita Vista High School	1	RQ17017599	1	Lot	33 Pre-selected AR Books (35 books total) per Titlewave Quote ID 9171198	\$503.62	\$503.62
539814	Follett School Solutions, Inc.	Bonita Vista High School	1	RQ17017633	1	lot	7 Pre-selected AR Books per Titlewave Quote 9171412	\$70.54	\$70.54
539815	Home Depot	San Ysidro High School	1	RQ17017734	1	Ea	Milwaukee M18 Blower - Bare Tool	\$149.00	\$149.00
539815	Home Depot	San Ysidro High School	2	RQ17017734	1	Ea	RYOBI 12IN Sliding Mitter Saw W-Laser	\$229.00	\$229.00
539815	Home Depot	San Ysidro High School	3	RQ17017734	1	Ea	Milwaukee M18 Hedge Trim - Bare Tool	\$169.00	\$169.00
539815	Home Depot	San Ysidro High School	4	RQ17017734	1	Ea	Milwaukee M18 Trimmer	\$299.00	\$299.00
539815	Home Depot	San Ysidro High School	5	RQ17017734	1	Ea	Diablo 14PC Set	\$29.97	\$29.97
539815	Home Depot	San Ysidro High School	6	RQ17017734	1	Ea	B&D 8' Elec Stick Edger	\$89.00	\$89.00
539815	Home Depot	San Ysidro High School	7	RQ17017734	1	Ea	DepthFinder 50' Steel Fish Tape	\$21.63	\$21.63
539815	Home Depot	San Ysidro High School	8	RQ17017734	1	Ea	Turbo Nozzle For PW - Max 3100 PSI	\$34.97	\$34.97
539815	Home Depot	San Ysidro High School	9	RQ17017734	4	Ea	10W30 4-CY Oil 20OZ	\$7.98	\$31.92
539815	Home Depot	San Ysidro High School	10	RQ17017734	1	Ea	4in1 Hand Truck	\$149.00	\$149.00
539815	Home Depot	San Ysidro High School	11	RQ17017734	1	Ea	M18 Lithium XC 5.0AH Battery	\$129.00	\$129.00
539816	B&H Photo	Central Receiving	1	RQ17017799	10	ea	Shure SLX System SLX4/SLX2-SM58 (H5) reg	\$450.00	\$4,500.00
539816	B&H Photo	Central Receiving	2	RQ17017799	1	ea	Canare star Quad MIC CBL/200M/black/reg	\$311.64	\$311.64
539816	B&H Photo	Central Receiving	3	RQ17017799	11	ea	K & M 210/9 Mic Stand 36-63'/18-30' boom-black reg	\$56.73	\$624.03
539817	DBQ Company (The)	Bonita Vista Middle School	1	RQ17017513	1	ea	Teacher Resource Binder (Only)	\$325.00	\$325.00
539817	DBQ Company (The)	Bonita Vista Middle School	2	RQ17017513	1	ea	Class set student Books (30) with Teacher Resource Binder	\$700.00	\$700.00
539818	MakeMusic! Inc.	Chula Vista High School	1	RQ17017779	1	ea	Finale v25 Site License Media Kit	\$0.00	\$0.00
539818	MakeMusic! Inc.	Chula Vista High School	2	RQ17017779	10	ea	Finale v25 Site Licese 5 - 29 Stations	\$150.00	\$1,500.00
539818	MakeMusic! Inc.	Chula Vista High School	3	RQ17017779	1	ea	Sales tax	\$0.82	\$0.82

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539819	Sport Supply Group, Inc.	Athletic Support	1	RQ17017543	1	ea	Igloo Maxcold 50 roller	\$79.53	\$79.53
539819	Sport Supply Group, Inc.	Athletic Support	2	RQ17017543	1	ea	MX Equipment Wheel Bag, Black	\$99.00	\$99.00
539820	National Fleet Tire Service Inc.	Transportation	1	RQ17017400	1	ea	Service Call	\$35.00	\$35.00
539820	National Fleet Tire Service Inc.	Transportation	2	RQ17017400	2	ea	rear turf tires	\$919.00	\$1,838.00
539820	National Fleet Tire Service Inc.	Transportation	3	RQ17017400	2	ea	dismount/mount	\$45.00	\$90.00
539820	National Fleet Tire Service Inc.	Transportation	4	RQ17017400	2	ea	install	\$22.50	\$45.00
539820	National Fleet Tire Service Inc.	Transportation	5	RQ17017400	2	ea	tubes	\$46.20	\$92.40
539821	KOAZ Inc.	CTE (formerly ROP)	1	RQ17017848	1	lot	Ful color posters - 24 x 36 (1 original) 2000 copies	\$2,754.35	\$2,754.35
539821	KOAZ Inc.	CTE (formerly ROP)	2	RQ17017848	1	lot	1% Nactional City tax adjustment	\$13.78	\$13.78
539822	Robert Bosch Tool corp	Professional Development	1	RQ17017800	1	ea	3D Printer, 3D40-EDU 3D IDEA BUILDER - EDU Edition,	\$1,439.10	\$1,439.10
539823	Robert Bosch Tool corp	Central Receiving	1	RQ17017838	5	ea	3D40-EDU 3D IDEA BUILDER - EDU Edition,	\$1,439.10	\$7,195.50
539824	Sport Supply Group, Inc.	Castle Park High School	1	RQ17016928	1	ea	STX Deluxe Goalie Pants- LG	\$65.00	\$65.00
539824	Sport Supply Group, Inc.	Castle Park High School	2	RQ17016928	1	ea	Black- STX Contour Shin Guards- Adult	\$25.00	\$25.00
539824	Sport Supply Group, Inc.	Castle Park High School	3	RQ17016928	1	ea	Maverik Rome RX Goalie Chest Pad	\$69.00	\$69.00
539824	Sport Supply Group, Inc.	Castle Park High School	4	RQ17016928	2	ea	MACGREGOR VB KNEE PAD- BLACK	\$10.99	\$21.98
539824	Sport Supply Group, Inc.	Castle Park High School	5	RQ17016928	1	ea	Shield 100 Complete Stick- WE/PL	\$69.99	\$69.99
539825	B&H Photo	Alta Vista Academy	1	RQ17016622	1	each	FOCUSRITE MUSIC RECORDING STARTER KIT	\$449.95	\$449.95
539825	B&H Photo	Alta Vista Academy	2	RQ17016622	2	each	YAMAHA 5' 2-WAY BI-AMPLIFIED MNITOR SPEAKER BLK	\$199.99	\$399.98
539825	B&H Photo	Alta Vista Academy	3	RQ17016622	1	each	KOPUL PREMIOUM CABLE XLR/M to XLR/F 6'	\$11.19	\$11.19
539825	B&H Photo	Alta Vista Academy	4	RQ17016622	2	each	AURAY ISO PADS-SPEAKER ISOLATION PADS (MED) / REG	\$12.50	\$25.00
539826	Nextel West Corp.	Information Technology	1	RQ17017560	2	Ea	Samsung Galaxy S7	\$99.99	\$199.98
539826	Nextel West Corp.	Information Technology	2	RQ17017560	2	Tax	Tax on Retail price of \$594.99	\$49.90	\$99.80
539827	Nextel West Corp.	Information Technology	1	RQ17017555	1	Ea	Samsung Galaxy S7	\$99.99	\$99.99
539827	Nextel West Corp.	Information Technology	2	RQ17017555	1	Tax	Tax on Retail Price \$594.99	\$49.09	\$49.09
539828	Textbook Warehouse	Olympian High School	1	RQ17017129	1	ea	World History (CA) TE	\$45.00	\$45.00

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539828	Textbook Warehouse	Olympian High School	2	RQ17017129	40		Rdng and Notetaking Study Guide for World History 9CA) (P)	\$5.00	\$200.00
539829	ROBO 3D, Inc.	Hilltop Middle School	1	RQ17016075	1	ea	Purple PLA	\$17.50	\$17.50
539829	ROBO 3D, Inc.	Hilltop Middle School	2	RQ17016075	1	ea	Pink PLA	\$17.50	\$17.50
539829	ROBO 3D, Inc.	Hilltop Middle School	3	RQ17016075	1	ea	Marine Green PLA	\$35.00	\$35.00
539829	ROBO 3D, Inc.	Hilltop Middle School	4	RQ17016075	2	ea	Glow In The Dark Blue PLA	\$20.00	\$40.00
539829	ROBO 3D, Inc.	Hilltop Middle School	6	RQ17016075	1	ea	GRAPE SMELLAMENT PLA	\$20.00	\$20.00
539830	Prophet Corporation (The)	Castle Park Middle School	1	RQ17017408	1	ea	Health o Meter Floor Scale	\$143.10	\$143.10
539830	Prophet Corporation (The)	Castle Park Middle School	2	RQ17017408	2	ea	Accusplit AX725 Stopwatches - Black	\$24.25	\$48.50
539830	Prophet Corporation (The)	Castle Park Middle School	3	RQ17017408	3	ea	UltraPlay Rubber Footballs - Size 3	\$13.53	\$40.59
539831	Prophet Corporation (The)	Alta Vista Academy	1	RQ17017461	3	ea	Ultra net portable Net Systems	\$134.83	\$404.49
539831	Prophet Corporation (The)	Alta Vista Academy	2	RQ17017461	15	ea	Gopher G1000 Steel Badminton Racquets	\$12.55	\$188.25
539831	Prophet Corporation (The)	Alta Vista Academy	3	RQ17017461	2	ea	Gopher performer shuttlecocks Yellow	\$12.56	\$25.12
539831	Prophet Corporation (The)	Alta Vista Academy	4	RQ17017461	1	set	Rainbow victory 1000 synthetic football rainbow size 4	\$103.50	\$103.50
539831	Prophet Corporation (The)	Alta Vista Academy	5	RQ17017461	1	ea	rainbow versa bag mesh bags large black	\$10.75	\$10.75
539831	Prophet Corporation (The)	Alta Vista Academy	6	RQ17017461	1	ea	Rainbow versa bag mesh Bags medium blue	\$8.95	\$8.95
539831	Prophet Corporation (The)	Alta Vista Academy	7	RQ17017461	2	ea	Gopher Comp 1000 basketball Mens size 7	\$19.75	\$39.50
539831	Prophet Corporation (The)	Alta Vista Academy	8	RQ17017461	1	set	Rainbow metallix soccer ball	\$96.95	\$96.95
539832	SupplyMaster, Inc.	Options Secondary School	1	RQ17015278	1	ea	M477dw HP Color LaserJet Pro MFP	\$428.00	\$428.00
539833	UZBL, LLC	Information Technology	1	RQ17018006	1	Lot	Third Party equipment listed under Apple Financial Customer Reference Number 823-4-102194 approved by the Board under F.-8 on April 24, 2017 per Karen Michel May 15, 2017.	\$0.01	\$0.01
539834	School Specialty, Inc.	Castle Park Middle School	1	RQ17018020	12	pk	1500335, Student dry erase board, 9x12, pack of 30.	\$48.94	\$587.28
539835	Demco Inc.	Chula Vista Middle School	1	RQ17018030	1	ea	WS14260170, 4-Tier Horizontal Organizer, Letter Size Black	\$47.70	\$47.70
539835	Demco Inc.	Chula Vista Middle School	2	RQ17018030	1	ea	WS12246040, Impact Light Kit Carrying Case	\$83.55	\$83.55

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539835	Demco Inc.	Chula Vista Middle School	3	RQ17018030	4	ea	Scotch Duct Tape: 1-7/8' x 20YdBlue Turquoise	\$3.55	\$14.20
539835	Demco Inc.	Chula Vista Middle School	4	RQ17018030	6	ea	WF13709830, Quin Stool 17-1/4' x 30' x 26', Vinyl or Vinyl top/fabric side, Black Vinyl/Nickel Fabric	\$159.00	\$954.00
539835	Demco Inc.	Chula Vista Middle School	5	RQ17018030	2	ea	WF13685200, Fulltime Square Ottoman, w/Casters 18' x 36' x 36', Fabric or Vinyl Color, Crosscheck Slate Black Fabric 299-006)	\$639.00	\$1,278.00
539835	Demco Inc.	Chula Vista Middle School	6	RQ17018030	1	ea	WS13722970, Hercules Majesty Loveseat, 31-1/4' x 51' x 30', Color: Black	\$429.00	\$429.00
539835	Demco Inc.	Chula Vista Middle School	7	RQ17018030	4	ea	WS13598630, SAFCO Zebergly Ball Chair, 23' H x 17 -1/2' Diameter, Fabric Color: Black	\$158.00	\$632.00
539835	Demco Inc.	Chula Vista Middle School	8	RQ17018030	4	ea	WF13723190, Blackless Metal Stool, 30' x 17' x 17', Color: Black	\$43.00	\$172.00
539835	Demco Inc.	Chula Vista Middle School	9	RQ17018030	4	ea	WF13723190, Blackless Metal Stool, 30' x 17' x 17', Color: Silver	\$43.00	\$172.00
539835	Demco Inc.	Chula Vista Middle School	10	RQ17018030	10	ea	Rico Stack Arm Chair 17-1/2' H Seat, 31' x 24' x 22-1/2'	\$71.00	\$710.00
539835	Demco Inc.	Chula Vista Middle School	11	RQ17018030	10	ea	WF12119750, Casters for Plastic Chairs, 4/set	\$10.80	\$108.00
539835	Demco Inc.	Chula Vista Middle School	12	RQ17018030	1	ea	WF12202800, Lesro Siena Loveseat w/Arms, 34' x 50-3/4' x 30'	\$899.00	\$899.00
539835	Demco Inc.	Chula Vista Middle School	13	RQ17018030	2	ea	WF14946290, Custom Imprinted Floor Mat, 4' x10' Horizontal, Carpet color: Charcoal, Imprint Color: Red, Text imprint: Yes, Imprint Line is: CLUB TC, Typestyle:Block Letters, all Caps,	\$268.00	\$536.00
539836	VEX Robotics, Inc.	Chula Vista Middle School	1	RQ17018028	2	ea	276-5544, VRC in the Zone full field kit-field element kit	\$159.99	\$319.98
539836	VEX Robotics, Inc.	Chula Vista Middle School	2	RQ17018028	2	ea	276-5817, VRC in the Zone full field kit-VRC field pipe kit	\$20.00	\$40.00
539836	VEX Robotics, Inc.	Chula Vista Middle School	3	RQ17018028	8	ea	276-5370, VRC in the Zone full field kit: Game element kit	\$79.99	\$639.92
539836	VEX Robotics, Inc.	Chula Vista Middle School	4	RQ17018028	1	ea	278-1501, Competition field perimeter kit	\$799.99	\$799.99
539836	VEX Robotics, Inc.	Chula Vista Middle School	5	RQ17018028	1	ea	278-1502, Competition field tile kit	\$229.99	\$229.99
539837	Rasix Computer Center, Inc.	Chula Vista Middle School	1	RQ17018027	5	ea	Black laserjet ink for HP 5550	\$191.00	\$955.00
539837	Rasix Computer Center, Inc.	Chula Vista Middle School	2	RQ17018027	3	ea	Yellow laserjet ink for HP 5550	\$230.00	\$690.00

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539838	Cambridge Holdings corporation	Chula Vista Middle School	1	RQ17018013	3	ea	CARDSTOCK - CHALK - Silhouette Chalkboard Cardstock	\$5.99	\$17.97
539838	Cambridge Holdings corporation	Chula Vista Middle School	2	RQ17018013	5	ea	HEAT-PRINT-LT-Silhouette Printable Heat Transfer Material for Light Fabrics (5 sheets)	\$7.50	\$37.50
539838	Cambridge Holdings corporation	Chula Vista Middle School	3	RQ17018013	5	e	HEAT-PRINT-LT-Silhouette Printable Heat Transfer Material for Darks Fabrics (5 sheets)	\$11.50	\$57.50
539838	Cambridge Holdings corporation	Chula Vista Middle School	4	RQ17018013	1	ea	VINYL-WHTBRD-12-Silhouette Whiteboard Vinyl	\$7.99	\$7.99
539838	Cambridge Holdings corporation	Chula Vista Middle School	5	RQ17018013	1	ea	V12-MR-MINT-C - Sihouette Matte Removable Vinyl, Mint - 12' x 6'	\$6.99	\$6.99
539838	Cambridge Holdings corporation	Chula Vista Middle School	6	RQ17018013	1	ea	V12-MR-LTBLU-C - Sihouette Matte Removable Vinyl, Light Blue - 12' x 6'	\$6.99	\$6.99
539838	Cambridge Holdings corporation	Chula Vista Middle School	7	RQ17018013	1	ea	V12-MR-LAV-C - Sihouette Matte Removable Vinyl, Lavender - 12' x 6'	\$6.99	\$6.99
539838	Cambridge Holdings corporation	Chula Vista Middle School	8	RQ17018013	2	ea	VNYL-SISR-120001-1-Oracal 651 Vinyl AND Siser Easyweed Heat Transfer Starter Kid Bundle	\$44.99	\$89.98
539838	Cambridge Holdings corporation	Chula Vista Middle School	9	RQ17018013	1	ea	VNYL-631-120001-68-Oracal 631 Matte Vinyl 12 x 12 - 68 Assorted Color	\$44.99	\$44.99
539838	Cambridge Holdings corporation	Chula Vista Middle School	10	RQ17018013	1	ea	HEAT - 12SM - PUR-Silhouette 12' X 36' Glitter heat transfer - Purple	\$11.99	\$11.99
539838	Cambridge Holdings corporation	Chula Vista Middle School	11	RQ17018013	1	ea	HEAT - 12SM - DKRED -Silhouette 12' X 36' Smooth heat transfer - Dark Red	\$11.99	\$11.99
539838	Cambridge Holdings corporation	Chula Vista Middle School	12	RQ17018013	1	ea	HEAT - 12SM - LTPNK - Silhouette 12' X 36' Smooth heat transfer - Light Pink	\$11.99	\$11.99
539838	Cambridge Holdings corporation	Chula Vista Middle School	13	RQ17018013	1	ea	HEAT - 12SM - LEM - Silhouette 12' X 36' Smooth heat transfer - Lemon Yellow	\$11.99	\$11.99
539838	Cambridge Holdings corporation	Chula Vista Middle School	14	RQ17018013	1	ea	HEAT - 12SM - BLU-Silhouette 12' X 36' Smooth heat transfer - blue	\$11.99	\$11.99
539838	Cambridge Holdings corporation	Chula Vista Middle School	15	RQ17018013	1	ea	KIT - Glass - 3T - Silhouette Cameo Glass Etching Started Kit	\$29.99	\$29.99
539838	Cambridge Holdings corporation	Chula Vista Middle School	16	RQ17018013	1	ea	10% Discount	-\$36.68	-\$36.68
539839	Canvas Concepts, Inc.	Maintenance	1	RQ17017368	1	job	Provide material and labor to replace top and side covers for outdoor PE storage enclosure for Alta Vista Academy. (Storm Damage)	\$3,626.52	\$3,626.52
539839	Canvas Concepts, Inc.	Maintenance	2	RQ17017368	1	lot	Deposit required by vendor per Quote (approx 50%) -\$ 1813.26	\$0.00	\$0.00
539839	Canvas Concepts, Inc.	Maintenance	3	RQ17017368	1	ea	Sales tax adj	\$4.92	\$4.92

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539840	Canvas Concepts, Inc.	Transportation	1	RQ17017525	1	lot	Labor and Material: Manufacture and Install walkway canopy between 2 trailers. Site location: Transportation Department, 1130 Fifth Avenue, Chula Vista CA.	\$4,791.00	\$4,791.00
539840	Canvas Concepts, Inc.	Transportation	5	RQ17017525	1	lot	Installation Cost: 2 men, 18 Hours, 36 man hours.	\$2,700.00	\$2,700.00
539840	Canvas Concepts, Inc.	Transportation	6	RQ17017525	1	ea	Deposit required by vendor per Quote (approx 50%) -3931.15	\$0.00	\$0.00
539841	Nordic Supply Inc.	Hilltop High School	1	RQ17017240	1	ea	Item #1 Memory: Maze Day TM Class Set (15 boards)	\$60.00	\$60.00
539841	Nordic Supply Inc.	Hilltop High School	2	RQ17017240	2	ea	Item #22 Inversion Goggles	\$25.00	\$50.00
539841	Nordic Supply Inc.	Hilltop High School	3	RQ17017240	2	ea	Item #8 Perception Goggles	\$15.00	\$30.00
539842	Sportsgraphics	Castle Park High School	1	RQ17017723	1	ea	Used 42' X 42' WRESTLING MAT, INCLUDES COMP CIRCLE AND STARTING LINE, TAPE TO CONNECT SECTIONS (RED)	\$5,000.00	\$5,000.00
539843	Precision Dynamics Corporation	Hilltop Middle School	1	RQ17017581	1	box	Secureband Solid Imp. Blue, 1000 per box, ink color black, artwork included	\$41.95	\$41.95
539843	Precision Dynamics Corporation	Hilltop Middle School	2	RQ17017581	1	box	Secureband Solid Yellow, 1000 per box, ink color black, artwork included	\$41.95	\$41.95
539843	Precision Dynamics Corporation	Hilltop Middle School	3	RQ17017581	1	box	Secureband Solid Red, 1000 per box, ink color black, artwork included	\$41.95	\$41.95
539843	Precision Dynamics Corporation	Hilltop Middle School	4	RQ17017581	1	box	Secureband Solid Kelly Green, 1000 per box, ink color black, artwork included	\$41.95	\$41.95
539843	Precision Dynamics Corporation	Hilltop Middle School	5	RQ17017581	1	box	Secureband Solid imprint, Purple, 1000 per box, ink color black, artwork included	\$41.95	\$41.95
539843	Precision Dynamics Corporation	Hilltop Middle School	6	RQ17017581	1	box	Secureband Solid Day Glow Orange, 1000 per box, ink color black, artwork included	\$41.95	\$41.95
539843	Precision Dynamics Corporation	Hilltop Middle School	7	RQ17017581	1	each	Plate Charge for Artwork Setup Fee	\$65.00	\$65.00
539844	Follett School Solutions, National City Middle School Inc.			RQ17017133	1	lot	16 Pre-selected AR Books per Titlewave Quote 9183308 List 17429703 List Name Cooke Order	\$204.25	\$204.25
539844	Follett School Solutions, National City Middle School Inc.			RQ17017133	1	lot	Cataloging & processing	\$29.28	\$29.28
539845	Bertrands Music	Central Receiving	1	RQ17018029	14	EA	VIOLIN/VIOLA SHOULDER REST	\$19.95	\$279.30
539845	Bertrands Music	Central Receiving	2	RQ17018029	9	EA	L3 FLORENCE II 4/4 VIOLIN	\$250.00	\$2,250.00
539845	Bertrands Music	Central Receiving	3	RQ17018029	3	EA	L3 FLORENCE II VIOLA 15'	\$325.00	\$975.00
539845	Bertrands Music	Central Receiving	4	RQ17018029	2	EA	L4 FLORENCE II 3/4 VIOLIN	\$250.00	\$500.00
539845	Bertrands Music	Central Receiving	5	RQ17018029	2	EA	L4 FLORENCE II CELLO 4/4 FULLY CARVED	\$780.00	\$1,560.00

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539846	American Center for Learning	State & Federal Programs	1	RQ17017632	1	LOT	Consultant, as mandated under Title I guidance, the district must provide services to educationally at-risk students who attend private schools and reside within the boundaries of Title I eligible schools in the district. American Center for Learning is a third party provider used to provide academic support In mathematics and English/Language Arts to educationally at-risk students attending private schools, and to conduct tutoring for students under Every Student Succeeds Act (ESSA) Title I Guidance for Private Schools. American Center for Learning will be contracted per site allocation in accordance with a Memorandum of Understanding executed between the private school and the district. Student progress and participation will be monitored. The Title I private schools for the 2016-2017 school year are Berean Bible Baptist Academy, Mater Del Catholic High, St Charles Catholic School, St Plus X Catholic School, St Rose of Lima catholic School and Our Lady of Mt. Carmel Catholic School.	\$17,035.00	\$17,035.00
539847	Harris, James a.	Legal Services Division	1	RQ17018001	1	LOT	Reimbursement of Attorney's Fees for OAH Case #2017040030 signed by Ron Lopez, Director of Special Services on 5/7/17. Signatory authority approved by BOT on 6/13/16, Reso #4383.	\$2,500.00	\$2,500.00
539848	B&H Photo	Central Receiving	1	RQ17017836	5	ea	Anchor Audio AN-130BP+ Portable Sound System	\$672.28	\$3,361.40
539848	B&H Photo	Central Receiving	2	RQ17017836	5	ea	Anchor Audio, CC-100XL Carrying, Bag Holds, AN-1000X, AN-130, SB-1 Speaker, Monitors with, Storage	\$47.04	\$235.20
539849	Vista Environmental Consulting, Inc	Planning & Facilities	1	RQ17018051	1	lot	To perform hazardous materials consulting services and monitoring during construction to ensure safe air quality, and that the abatement process and procedures are being followed per state guidelines for the SOH Modular Classroom Building Replacement project, Bid No. 67-2618-JQ.	\$2,378.00	\$2,378.00

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539849	Vista Environmental Consulting, Inc	Planning & Facilities	2	RQ17018051	1	.	Per Proposal No. P-517099 dated April 27, 2017.	\$0.00	\$0.00
539849	Vista Environmental Consulting, Inc	Planning & Facilities	3	RQ17018051	1	.	Approved by the Board of Trustees on May 8th, 2017, Item M-2.	\$0.00	\$0.00
539850	American Fence and Security Company, Inc.	Maintenance	1	RQ17017571	1	job	Provide material and labor to install temporary fence for Southwest High School. (Supporting the Athletic Departement on the reseeding project on the football field)	\$2,820.00	\$2,820.00
539851	American Fence and Security Company, Inc.	Maintenance	1	RQ17017576	1	job	Provide material and labor to install temporary fence for Mar Vista High School. (Supporting the Athletic Department for the reseeding project on the football field)	\$2,820.00	\$2,820.00
539852	Datel Systems Inc.	Central Receiving	1	RQ17016957	4	ea	Camera, Document epon DC-21	\$459.00	\$1,836.00
539853	Dion International Trucks LLC	Transportation	1	RQ17018057	1	lot	Sensor manifold absolute press	\$114.76	\$114.76
539853	Dion International Trucks LLC	Transportation	2	RQ17018057	1	lot	Diagnostic computer tool charge	\$35.00	\$35.00
539853	Dion International Trucks LLC	Transportation	3	RQ17018057	1	lot	Labor	\$175.00	\$175.00
539854	Sport Supply Group, Inc.	Chula Vista Middle School	1	RQ17018043	2	ea	1405590, Ground Zero 2' Kick Off Tee	\$29.99	\$59.98
539854	Sport Supply Group, Inc.	Chula Vista Middle School	2	RQ17018043	2	ea	FBGZ1, Ground Zero 1' Kick Off Tee	\$24.99	\$49.98
539854	Sport Supply Group, Inc.	Chula Vista Middle School	3	RQ17018043	2	ea	1371317, Mesh Mummy Bag - Royal	\$21.99	\$43.98
539854	Sport Supply Group, Inc.	Chula Vista Middle School	4	RQ17018043	1	ea	1362650, Mueller W-Wrap (Black) 48 Rolls/CS	\$59.99	\$59.99
539854	Sport Supply Group, Inc.	Chula Vista Middle School	5	RQ17018043	3	ea	1362648, Mueller M-Wrap (Red) 48 Rolls / CS	\$59.99	\$179.97
539854	Sport Supply Group, Inc.	Chula Vista Middle School	6	RQ17018043	1	ea	1362649, Mueller M-Wrap (Green) 48 Rolls / CS	\$59.99	\$59.99
539854	Sport Supply Group, Inc.	Chula Vista Middle School	7	RQ17018043	2	ea	20018222, Quik Shade Weight Plates - Set of 4	\$99.99	\$199.98
539854	Sport Supply Group, Inc.	Chula Vista Middle School	8	RQ17018043	2	ea	1371316, Mesh Mummy Bag - Black	\$21.99	\$43.98
539854	Sport Supply Group, Inc.	Chula Vista Middle School	9	RQ17018043	2	ea	4019XXXX, Candyland	\$18.99	\$37.98
539854	Sport Supply Group, Inc.	Chula Vista Middle School	10	RQ17018043	3	ea	93095XXX, Wire Cone Four	\$5.09	\$15.27
539854	Sport Supply Group, Inc.	Chula Vista Middle School	11	RQ17018043	2	ea	4071XXXX, Connect Four	\$27.99	\$55.98
539854	Sport Supply Group, Inc.	Chula Vista Middle School	12	RQ17018043	2	ea	4793XXXX, Jenga	\$24.99	\$49.98
539854	Sport Supply Group, Inc.	Chula Vista Middle School	13	RQ17018043	1	ea	ZN51032045, Strikes for Air Hockey	\$7.19	\$7.19
539854	Sport Supply Group, Inc.	Chula Vista Middle School	14	RQ17018043	1	ea	ZN52033045, Puck Red 2 1/2'	\$3.09	\$3.09
539855	iDesign USA Corp.	Bonita Vista Middle School	1	RQ17018045	2	lot	CLASSROOM & COMPETITION SUPER KIT	\$1,049.99	\$2,099.98

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539855	iDesign USA Corp.	Bonita Vista Middle School	2	RQ17018045	2	LOT	BOOSTER KIT	\$179.99	\$359.98
539855	iDesign USA Corp.	Bonita Vista Middle School	3	RQ17018045	2	LOT	MECANUM WHEEL 4 (4-PACK)	\$59.99	\$119.98
539855	iDesign USA Corp.	Bonita Vista Middle School	4	RQ17018045	2	LOT	PERFORMANCE TOOL KIT	\$39.99	\$79.98
539856	B&H Photo	Central Receiving	1	RQ17018055	1	ea	WAAA8LCD, Watson 8-Bay AA Charger w/LCD Display/reg	\$35.00	\$35.00
539856	B&H Photo	Central Receiving	2	RQ17018055	1	ea	AKMPCLIVE, Akai Standalone Sampler and Sequencer/reg	\$1,049.00	\$1,049.00
539856	B&H Photo	Central Receiving	3	RQ17018055	1	ea	ZTBLTRCSPRO2, ZTE Bluetooth Remote Control for SPRO2/REG	\$29.00	\$29.00
539856	B&H Photo	Central Receiving	4	RQ17018055	1	ea	ZTSPRO2V, ZTE Smart Projector 200 LMS Android 4.4 OS/REG	\$539.00	\$539.00
539856	B&H Photo	Central Receiving	5	RQ17018055	1	ea	TRLSHC32, Travel TS32HT/LADDERKART Stepladder/hand Cart/reg	\$72.00	\$72.00
539856	B&H Photo	Central Receiving	6	RQ17018055	1	ea	MURMH1, Multicart Rock in Roller MINI Handtruck/reg	\$62.00	\$62.00
539856	B&H Photo	Central Receiving	7	RQ17018055	3	ea	POMP25, Polsen 25W Megaphone MP3 Whistle Siren HH MIC/reg	\$35.00	\$105.00
539856	B&H Photo	Central Receiving	8	RQ17018055	1	ea	PYPLPTS2, Pyle PLPTS2 Laptop Stand - Mini /reg	\$28.84	\$28.84
539856	B&H Photo	Central Receiving	9	RQ17018055	2	ea	PYPMP43IN, Pyle PMP43IN Megaphone w/sirens/3.5mm AUX IN/REG	\$22.00	\$44.00
539856	B&H Photo	Central Receiving	10	RQ17018055	2	ea	AMS602MR, Ampli Megaphone/25-watt/1-mile/+MIC/reg	\$134.00	\$268.00
539856	B&H Photo	Central Receiving	11	RQ17018055	4	ea	PECUAMUBM6, Pearstone USB 2.0 A/Male/Cable-6'/REG	\$5.95	\$23.80
539856	B&H Photo	Central Receiving	12	RQ17018055	1	ea	NOLNCHKYMNK2, Novation Launchkey-mini MK2 - USB MIDI Controller/REG	\$72.00	\$72.00
539856	B&H Photo	Central Receiving	13	RQ17018055	1	ea	NOLNCHPDMNK2, Novation Launchpad-mini MK2 - USB MIDI Controller/REG	\$89.00	\$89.00
539856	B&H Photo	Central Receiving	14	RQ17018055	3	ea	CAPPG25720Q, Cannon Photo Paper Plus Glossy II - 5x7' /20/REG	\$6.98	\$20.94
539856	B&H Photo	Central Receiving	15	RQ17018055	2	ea	WEAO, westcott Apollo ORB 43'/REG	\$114.00	\$228.00
539857	Illuminate Education, Inc	San Ysidro High School	1	RQ17012023	2	Ea	Conference registration to attend the Illuminate Education User Conference on February 21-22, 2017 at the San Diego Convention Center.	\$399.00	\$798.00

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539859	Vavrinek, Trine, Day & Co. LLP	CFO Office	1	RQ17018056	1	Lot	Perform the Annual Audit of the Sweetwater Union High School District's funds and accounts, and conduct an internal control review of Associated Student Bodies, and any other audits as deemed necessary for the school year ending June 30, 2017, as per contract signed by Karen Michel 3/11/16. Approved by the BOT on February 22, 2016, item #N-3.	\$51,500.00	\$51,500.00
539860	Vavrinek, Trine, Day & Co. LLP	CFO Office	1	RQ17018054	1	lot	Perform the Annual Audit of the Sweetwater Union High School District's Proposition O for the school year ending June 30, 2017, as per contract signed by Karen Michel 3/11/16. Approved by the BOT on February 22, 2016, item #N-3.	\$6,000.00	\$6,000.00
539861	Aristotle Corporation	Bonita Vista Middle School	1	RQ17018046	1	ea	TB24158, Protractor magnetic 12'	\$28.50	\$28.50
539861	Aristotle Corporation	Bonita Vista Middle School	2	RQ17018046	4	ea	TB17168, Calculator casio FX300MS TK	\$127.50	\$510.00
539861	Aristotle Corporation	Bonita Vista Middle School	3	RQ17018046	1	ea	TB16963, Shapes giant geosolid ST10	\$69.95	\$69.95
539861	Aristotle Corporation	Bonita Vista Middle School	4	RQ17018046	1	ea	TB25014, Flip chart fractions demo	\$15.15	\$15.15
539861	Aristotle Corporation	Bonita Vista Middle School	5	RQ17018046	1	ea	TB26690. Fraction circles magnetic	\$6.95	\$6.95
539861	Aristotle Corporation	Bonita Vista Middle School	6	RQ17018046	1	ea	TB18068, Chart write/wipe grape	\$123.95	\$123.95
539861	Aristotle Corporation	Bonita Vista Middle School	7	RQ17018046	1	ea	TB23237, Viewers fraction ST6	\$19.95	\$19.95
539861	Aristotle Corporation	Bonita Vista Middle School	8	RQ17018046	1	ea	TB17821, Balance four Pan algebra	\$36.95	\$36.95
539862	Flinn Scientific, Inc.	Bonita Vista Middle School	1	RQ17018040	4	lot	BOWLING BALL PENDULUM	\$32.16	\$128.64
539862	Flinn Scientific, Inc.	Bonita Vista Middle School	2	RQ17018040	2	LOT	LANDFORM DEMONSTRATION KIT	\$60.50	\$121.00
539863	Flinn Scientific, Inc.	Bonita Vista Middle School	1	RQ17018039	27	ea	RACK TEST TUBE WOOD 13 TUBE	\$13.26	\$358.02
539863	Flinn Scientific, Inc.	Bonita Vista Middle School	2	RQ17018039	32	ea	DENSITY CUBE SET	\$29.28	\$937.04
539863	Flinn Scientific, Inc.	Bonita Vista Middle School	3	RQ17018039	12	ea	ELECTRONIC BALANCE	\$166.56	\$1,998.69
539863	Flinn Scientific, Inc.	Bonita Vista Middle School	4	RQ17018039	36	ea	FLASK ERLNMEYER STUDENT	\$3.41	\$122.71
539863	Flinn Scientific, Inc.	Bonita Vista Middle School	5	RQ17018039	8	ea	THERMOTER DIGITAL	\$22.36	\$178.84
539863	Flinn Scientific, Inc.	Bonita Vista Middle School	6	RQ17018039	40	ea	BEAKER PLASTIC 250 ML	\$2.02	\$80.92
539863	Flinn Scientific, Inc.	Bonita Vista Middle School	7	RQ17018039	30	ea	BEAKER PLASTIC 50 ML	\$1.43	\$42.84
539863	Flinn Scientific, Inc.	Bonita Vista Middle School	8	RQ17018039	4	ea	BROMTHYMOL BLUE SOLN 1000 ML	\$8.08	\$32.30
539863	Flinn Scientific, Inc.	Bonita Vista Middle School	9	RQ17018039	32	ea	BEAKER TONGS W/SLEEVES	\$7.35	\$235.28
539863	Flinn Scientific, Inc.	Bonita Vista Middle School	10	RQ17018039	1	ea	GOGGLE SANITAZER FLINN	\$490.83	\$490.83

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539863	Flinn Scientific, Inc.	Bonita Vista Middle School	1	RQ17018039	2	ea	REPLACEMENT LAMP FOR SE1000	\$47.01	\$94.01
539863	Flinn Scientific, Inc.	Bonita Vista Middle School	2	RQ17018039	2	ea	FLINN HOT PLATE 7X7	\$225.25	\$450.50
539864	Pasco Scientific	Bonita Vista Middle School	1	RQ17018035	2	lot	WIRELESS LIGHT SENSORS	\$55.00	\$110.00
539865	Delta Education LLC	Bonita Vista Middle School	1	RQ17018033	4	ea	Tray, Wave CPO/EA	\$31.95	\$127.80
539865	Delta Education LLC	Bonita Vista Middle School	2	RQ17018033	4	ea	NEWTON'S CRADLE	\$13.99	\$55.96
539865	Delta Education LLC	Bonita Vista Middle School	3	RQ17018033	8	ea	FLASHLIGHT ECONOMY	\$2.09	\$16.72
539865	Delta Education LLC	Bonita Vista Middle School	4	RQ17018033	2	ea	MALLET STRIKING	\$2.09	\$4.18
539865	Delta Education LLC	Bonita Vista Middle School	5	RQ17018033	4	ea	COLOR PADDLES 6 COLORS SET/18	\$9.23	\$36.92
539865	Delta Education LLC	Bonita Vista Middle School	6	RQ17018033	1	ea	SHIPPING/HANDLING	\$15.34	\$15.34
539866	Oriental Trading Company, Inc	Eastlake Middle School	1	RQ17017054	5	un	IN-12/4600, Stress Toy Assortment (50 PC)	\$42.99	\$214.95
539866	Oriental Trading Company, Inc	Eastlake Middle School	2	RQ17017054	1	ea	Certificate/Other	-\$10.75	-\$10.75
539867	Cambridge Holdings corporation	Chula Vista Middle School	1	RQ17018036	1	ea	Item #1, Kit-chalk-silhouette chalkboard starter kit	\$22.99	\$22.99
539867	Cambridge Holdings corporation	Chula Vista Middle School	2	RQ17018036	2	ea	item #2, Cover-cam3-PNK-Silhouette CAMEO 3 Dust cover-Pink	\$5.99	\$11.98
539867	Cambridge Holdings corporation	Chula Vista Middle School	3	RQ17018036	1	ea	Item #3, VNYL-651-12001-61 Oracal 651 Glossy vinyl 12X12-61 assorted colors	\$49.99	\$49.99
539867	Cambridge Holdings corporation	Chula Vista Middle School	4	RQ17018036	2	ea	Item #65, VNYL-Mixed-12001-128-Oracal mixed vinyl 12"x12"-128 assorted colors	\$79.99	\$159.98
539867	Cambridge Holdings corporation	Chula Vista Middle School	5	RQ17018036	3	ea	Item #67, CHIZLERSPINK-USA-Oracal vinyl scraper	\$2.99	\$8.97
539867	Cambridge Holdings corporation	Chula Vista Middle School	6	RQ17018036	5	ea	Item #68, x-acto-X-Acto Z Series	\$6.50	\$32.50
539867	Cambridge Holdings corporation	Chula Vista Middle School	7	RQ17018036	3	ea	Item #69, TOOL-03-3T- Silhouette cameo spatula	\$5.99	\$17.97
539867	Cambridge Holdings corporation	Chula Vista Middle School	8	RQ17018036	3	ea	Item #70, TOOL-01-Silhouette cameo hook	\$5.99	\$17.97
539867	Cambridge Holdings corporation	Chula Vista Middle School	9	RQ17018036	3	ea	Item #71, TOOL-04-IND-3T-Silhouette Cameo Pick Me up tool	\$5.99	\$17.97
539867	Cambridge Holdings corporation	Chula Vista Middle School	10	RQ17018036	1	ea	Item #72, E-Book print and cut-The ultimate silhouette pring and cut E-guide	\$12.99	\$12.99
539867	Cambridge Holdings corporation	Chula Vista Middle School	11	RQ17018036	1	ea	Item #73, E-Book Vinyl starter guide-Silhouette vinyl starter guide E-Book	\$5.99	\$5.99
539867	Cambridge Holdings corporation	Chula Vista Middle School	12	RQ17018036	3	ea	Item #74, CUT-MAT-8- Silhouette portrait cutting mat 8 inch X 12 inch	\$9.99	\$29.97
539867	Cambridge Holdings corporation	Chula Vista Middle School	13	RQ17018036	2	ea	Item #75, SILH-BLADE-PERM-Silhouette blade, premium	\$15.99	\$31.98

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539867	Cambridge Holdings corporation	Chula Vista Middle School	4	RQ17018036	1	ea	Item #78, CAMB-01-Silhouette Cameo 3 bundle with Oracal vinyl, tools, pixscan, and more	\$269.99	\$269.99
539867	Cambridge Holdings corporation	Chula Vista Middle School	5	RQ17018036	1	ea	Item #89, CAMB-18-Silhouette Cameo 3 bluetooth starter bundle with 24 Oracal 651 sheets, transfer tape, guide, class, 24 sketch pens and more	\$269.99	\$269.99
539867	Cambridge Holdings corporation	Chula Vista Middle School	6	RQ17018036	1	ea	10% Discount	-\$42.12	-\$42.12
539868	Demco Inc.	Hilltop High School	1	RQ17017275	18	EA	Scotch 845 book tape 2' x 15' yds	\$6.52	\$117.30
539869	B&H Photo	Chula Vista Middle School	1	RQ17018041	2	EA	WESMMA, WESTCOTT SHOE MOUNT f/MIMI APOLLO/REG	\$27.00	\$54.00
539869	B&H Photo	Chula Vista Middle School	2	RQ17018041	3	EA	IMLS8AI, IMPACT 8' LIGHT STAND	\$32.95	\$98.85
539869	B&H Photo	Chula Vista Middle School	3	RQ17018041	2	EA	AIR-CUSH-ALUM-BLACK/REG	\$14.95	\$29.90
539869	B&H Photo	Chula Vista Middle School	4	RQ17018041	15	EA	IMU45BW, IMPACT 45' UMBRELLA BLK/WHT W/REMOVABLE COVER REG	\$11.52	\$172.80
539869	B&H Photo	Chula Vista Middle School	5	RQ17018041	2	EA	MAIM2, MACALLY 3 BUTTON USB OPTICAL MOUSE FOR MAC/PC/REG	\$6.95	\$13.90
539869	B&H Photo	Chula Vista Middle School	6	RQ17018041	3	EA	NILC52, NUKON 52mm SNAP-ON LENS CAP/REG	\$44.95	\$134.85
539869	B&H Photo	Chula Vista Middle School	7	RQ17018041	3	EA	NIENEL14A, NIKON EN-EL14A RECHARGEABLE LI-ION BATTERY/REG	\$12.76	\$38.28
539869	B&H Photo	Chula Vista Middle School	8	RQ17018041	2	EA	MAPV3310, MAGNUS 3 SEC. PHOTO/VIDEO TRIPOD w/PAN HEAD/STUD	\$67.05	\$134.10
539869	B&H Photo	Chula Vista Middle School	9	RQ17018041	1	EA	CODGSX8MLDPA, COREL CORELDRAW GRAPHCS SUITE X8 ED EDTN-WIN/REG	\$49.99	\$49.99
539869	B&H Photo	Chula Vista Middle School	10	RQ17018041	1	EA	COC2017EWM, COREL CORELCAD 2017 EDUCATION f/WINDOWS/MAC/REG	\$49.99	\$49.99
539869	B&H Photo	Chula Vista Middle School	11	RQ17018041	2	EA	COC2017EWM, COREL CORELCAD 2017 EDUCATION f/WINDOWS/MAC/REG	\$14.95	\$29.90
539870	Broadway Typewriter Company Inc	Central Receiving	1	RQ17018065	1	ea	XCUSB4311B, xCELLON 4 PORT PORTABLE USB HUB - BLACK/REG	\$1,185.00	\$1,185.00
539870	Broadway Typewriter Company Inc	Central Receiving	2	RQ17018065	1	ea	Dell Latitude E7470 Laptop, Win 10 Home 64, Intel i5, 5gb DDR, 128gb SATA, 14" LCD, 55w/hr battery, 65 w Adapter, 3yr Absolute DDS Mobile, 3yr Warranty, Custom Imaging	\$5.00	\$5.00
539871	Colorado Instruments, Inc	Chula Vista Middle School	1	RQ17018042	30	ea	CA Recycle Fee	\$3.99	\$119.70
							JSS-ACC, Junior Solar Sprint Accesory Bag: 2 Axle Shafts, 4 Wheels/Tires & 3 Spur Gear Sizes		

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539871	Colorado Instruments, Inc	Chula Vista Middle School	2	RQ17018042	5	ea	JSS-B/G, Junior Solar Sprint Mounting Bracket/Screws & Gears Only	\$1.99	\$9.95
539871	Colorado Instruments, Inc	Chula Vista Middle School	3	RQ17018042	4	ea	GEARS-BAGS, Bag of Gears, Pkg/20 with 5 sizes: (4) 64 Tooth Spur, 4) 56 Tooth Spur, 4) 48 Tooth Spur with 12 Tooth Pinion, (4) 10 Tooth Pinion & (4) 8 Tooth Pinion	\$6.99	\$27.96
539871	Colorado Instruments, Inc	Chula Vista Middle School	4	RQ17018042	2	ea	SBB-3-K, Solar Bottle Boast Kit	\$24.95	\$49.90
539871	Colorado Instruments, Inc	Chula Vista Middle School	5	RQ17018042	30	ea	JSS-KIT Junior Solar Sprint Kit: Solar Panel 3v, @ 3 watts, Solar Motor with lead wires, Motor Mounting Bracket with Screws, Gears for Motor Shaft, (3) Sizes & (2)Alligator Clips	\$23.99	\$719.70
539872	Pro-Ed	Special Services	1	RQ17017444	3	ea	TOMAL-2: Test of Memory and Learning 2nd Edition	\$433.00	\$1,299.00
539873	Pearson Education, Inc.	Southwest High School	1	RQ17017521	40	ea	Thinking Mathematically 6th student ed (\$201.97)	\$201.97	\$8,078.80
539873	Pearson Education, Inc.	Southwest High School	2	RQ17017521	1		Thinking Mathematically annotated instructors Edition	\$0.00	\$0.00
539873	Pearson Education, Inc.	Southwest High School	3	RQ17017521	20	ea	Campbell Biology in Focus AP edition 2e 2017 with mastering with etext up to 6 years student edition (\$140.97)	\$140.97	\$2,819.40
539874	Follett School Solutions, Inc.	Castle Park Middle School	1	RQ17018037	1	lot	2 Pre-selected book titles (50 books total per Titlewave Quote ID 9097158	\$1,072.50	\$1,072.50
539875	Briarwood Professional Group	Hilltop High School	1	RQ17018071	130	Ea	Graduation Medallions for Biliteracy Graduates.	\$3.60	\$468.00
539876	Uline, Inc.	Chula Vista Middle School	1	RQ17018066	4	ea	H-2754, Ecomomy Folding Bench - 72 x 12'	\$65.00	\$260.00
539876	Uline, Inc.	Chula Vista Middle School	2	RQ17018066	10	ea	S-17025, 3M 300 Barricade Tape - 3' x 1000'	\$28.00	\$280.00
539877	Regents of The University of Minnesota	Granger Junior High School	1	RQ17017638	2	bx	Programmable Adhesive on two sides 6.5 inch strips (1,000 per box)	\$105.00	\$210.00
539877	Regents of The University of Minnesota	Granger Junior High School	3	RQ17017638	1	lot	Tax adjustment for National City	\$1.05	\$1.05
539878	BirdBrain Technologies LLC	Sweetwater High School	1	RQ17017758	1	lot	HUMMINGBIRD DUO LARGE CLASSROOM KIT FOR 24-36 STUDENTS	\$2,249.10	\$2,249.10
539878	BirdBrain Technologies LLC	Sweetwater High School	2	RQ17017758	1	LOT	Tax adjustment for National City	\$11.25	\$11.25
539879	IVS Computer Technology	East Hills Academy	1	RQ17017312	1	lot	Misc Connectors & Cables	\$25.00	\$25.00
539879	IVS Computer Technology	East Hills Academy	2	RQ17017312	1	ea	SMART Audio System	\$299.00	\$299.00
539879	IVS Computer Technology	East Hills Academy	3	RQ17017312	1	lot	General labor/Install	\$300.00	\$300.00

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539879	IVS Computer Technology	East Hills Academy	4	RQ17017312	1	ea	Replacement Remote for 450W, 460, 84+, 85+, 826w and 825+	\$65.00	\$65.00
539880	Southern California Sound Image	Maintenance	1	RQ17017523	1	job	Provide material and labor to troubleshoot and repair theater sound system for Sweetwater High School.	\$1,000.00	\$1,000.00
539880	Southern California Sound Image	Maintenance	2	RQ17017523	1	ea	Service Call	\$125.00	\$125.00
539881	Follett School Solutions, Bonita Vista Middle School Inc.		1	RQ17017834	1	EA	3D Doodler Mix pack #1 kit	\$6.99	\$6.99
539881	Follett School Solutions, Bonita Vista Middle School Inc.		2	RQ17017834	1	EA	3D Doodler Mix Pack #2 kit	\$6.99	\$6.99
539881	Follett School Solutions, Bonita Vista Middle School Inc.		3	RQ17017834	1	EA	DOODLER START: SUPER 16 KIT	\$99.99	\$99.99
539881	Follett School Solutions, Bonita Vista Middle School Inc.		4	RQ17017834	1	EA	3D DOODLER DOODLE STAND 16 KIT	\$12.99	\$12.99
539881	Follett School Solutions, Bonita Vista Middle School Inc.		5	RQ17017834	1	EA	3D DOODLER NOZZLE SET 16 KIT	\$19.99	\$19.99
539881	Follett School Solutions, Bonita Vista Middle School Inc.		6	RQ17017834	1	EA	DA VINCI ABS FILAMENT SUN	\$28.00	\$28.00
539881	Follett School Solutions, Bonita Vista Middle School Inc.		7	RQ17017834	1	EA	DA VINCI JR PLA FILAMENT	\$28.00	\$28.00
539881	Follett School Solutions, Bonita Vista Middle School Inc.		8	RQ17017834	1	EA	ROBOTIC ARM EDGE: ACTIVI	\$30.00	\$30.00
539881	Follett School Solutions, Bonita Vista Middle School Inc.		9	RQ17017834	1	EA	ROBOTIC ARM EDGE: WIRED	\$65.00	\$65.00
539881	Follett School Solutions, Bonita Vista Middle School Inc.		10	RQ17017834	1	EA	SUN SENSITIVE PAPER KIT	\$12.99	\$12.99
539882	Follett School Solutions, Bonita Vista Middle School Inc.		11	RQ17017805	1	lot	30 Pre-selected Book title per Titlewave Quote #9171668	\$554.47	\$554.47
539882	Follett School Solutions, Bonita Vista Middle School Inc.		12	RQ17017805	1	lot	eBOOK TITLES (1)	\$13.99	\$13.99
539882	Follett School Solutions, Bonita Vista Middle School Inc.		13	RQ17017805	30	ea	Processing as per specs on file START with BC #81068	\$1.62	\$48.60
539883	Goodheart-Willcox Publisher	Otay Ranch HS	1	RQ17017147	150	ea	Comprehensive Health Text /OLS6 (2018 Edition) Bundle - Online access and Textbook	\$119.97	\$17,995.50
539883	Goodheart-Willcox Publisher	Otay Ranch HS	2	RQ17017147	2	ea	Comprehensive Health 6 year email - Teacher's Materials (FREE)	\$0.00	\$0.00
539884	Lerner Publishing Group	Granger Junior High School	1	RQ17015895	1	ea	Doping in Sports.	\$25.99	\$25.99

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539884	Lerner Publishing Group	Granger Junior High School	1	RQ17015895	1	set	How to Live Like. Fall2016 New Releases.How to Live Like an Aztec Priest/9781512406283How to Live Like an Egyptian Mummy Maker/9781512406290How to Live Like a Samurai Warrior/9781512406306How to Live Like a Caribbean Pirate/9781512406313 Cristiano Ronaldo.	\$79.95	\$79.95
539884	Lerner Publishing Group	Granger Junior High School	3	RQ17015895	1	ea		\$19.99	\$19.99
539884	Lerner Publishing Group	Granger Junior High School	4	RQ17015895	1	set	Learn to Draw Favorite Characters:Expanded Edition Spring 2017 New Releases.9781942875185/Learn to Draw Disney.Pixar's Finding DoryIncluding Dory, Nemo, Marlin, and all you favorite characters!9781942875192/Learn to Draw Disney's Classic Animated Movies Vol.1 Featuring favorite characters from Alice in Wonderland, TheJungle Book, 101 Dalmatians, P9781942875208/Learn to Draw Disney's Classic Animated Movies Vol. 2Featuring favorite characters from Alice in Wonderland, TheJungle Book, 101 Dalmatians, P9781942875215/Learn to Draw DreamWorks Animation's Kung Fu PandaFeaturing Po, Tigress, MasterShifu, and all your favorite new characters from DreamWorks Animation's Kung Fu Panda.	\$99.96	\$99.96
539884	Lerner Publishing Group	Granger Junior High School	5	RQ17015895	1	ea	Dog and Cat People.	\$23.99	\$23.99
539884	Lerner Publishing Group	Granger Junior High School	6	RQ17015895	1	ea	Racial Profiling Everyday Inequality.	\$26.99	\$26.99
539884	Lerner Publishing Group	Granger Junior High School	7	RQ17015895	1	ea	Teen Incarceration From Cell Bars to Ankle Bracelets.	\$27.99	\$27.99
539884	Lerner Publishing Group	Granger Junior High School	8	RQ17015895	1	ea	#4 The Ghosts in the Clouds.	\$19.99	\$19.99
539885	College Store Enterprises, Inc.	Legal Services Division	1	RQ17017131	1	ea	CALIFORNIA LAWS RELATING TO MINORS 2017 Edition 'the Redbook'	\$79.95	\$79.95
539886	CDW Government, Inc.	Hilltop Middle School	1	RQ17018017	36	ea	Edge 2GB DIMM 240-pin DDR2 SDRAM, Mfg part #PE215538	\$16.48	\$593.28
539887	Kagan Publishing, Inc.	Castle Park Middle School	1	RQ17018024	10	ea	PKSTI, Kagan structures 6 posters	\$14.00	\$140.00
539887	Kagan Publishing, Inc.	Castle Park Middle School	2	RQ17018024	10	ea	JMT, Mega timer	\$49.00	\$490.00
539887	Kagan Publishing, Inc.	Castle Park Middle School	3	RQ17018024	10	ea	JMTA, Power adapter for mega timer	\$6.00	\$60.00

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539888	Follett School Solutions, Hilltop Middle School Inc.	Hilltop Middle School	1	RQ17018011	1	lot	7 Pre-selected book titles (252 books total) per Titlewave Quote #9140878 List 17007752	\$3,854.52	\$3,854.52
539888	Follett School Solutions, Hilltop Middle School Inc.	Hilltop Middle School	2	RQ17018011	1	lot	Catalogin & Processing	\$226.80	\$226.80
539889	Junior Library Guild	Granger Junior High School	1	RQ17015777	1	EA	BIM Category-Biography Middle	\$135.00	\$135.00
539889	Junior Library Guild	Granger Junior High School	2	RQ17015777	1	EA	Series Nonfiction-How-To-Grades 3-5	\$156.00	\$156.00
539890	Pearson Education, Inc.	Olympian High School	1	RQ17017715	19	ea	Stats: Modeling the World, 4th edition	\$119.97	\$2,279.43
539890	Pearson Education, Inc.	Olympian High School	2	RQ17017715	115	ea	Pearson Education Test Prep Series for AP Biology, 2014	\$14.97	\$1,721.55
539891	Follett School Solutions, Bonita Vista Middle School Inc.	Bonita Vista Middle School	1	RQ17018031	1	lot	3 Pre-selected AR book titles (114 books total) per Titlewave Quote 9155651 List 17270744 Name 0409265	\$562.50	\$562.50
539891	Follett School Solutions, Bonita Vista Middle School Inc.	Bonita Vista Middle School	2	RQ17018031	1	lot	Cataloging & Processing	\$184.68	\$184.68
539892	Dynavox Systems Holdings LLC	Special Services	1	RQ17017890	1		BoardMaker Plus! 6 with 2000-2012 PCS Addendum Libraries Bundle	\$515.00	\$515.00
539892	Dynavox Systems Holdings LLC	Special Services	2	RQ17017890	1		PCS Sign Language Symbols Volumes I, II, and III Bundle	\$99.00	\$99.00
539892	Dynavox Systems Holdings LLC	Special Services	3	RQ17017890	1		PCS High Contrast & CD	\$29.00	\$29.00
539893	Avid Center	Chula Vista Middle School	1	RQ17018038	1	ea	Early Bird registration for Andrea Agosto to attend AVID Summer Institute 8/1/17 to 8/3/17, San Diego. REG ID# 497450	\$760.00	\$760.00
539894	Scholastic Inc.	Bonita Vista Middle School	1	RQ17018047	34	ea	Science World Gr 6-10	\$9.49	\$322.66
539895	Scholastic Inc.	Bonita Vista Middle School	1	RQ17018044	350	ea	I AM MALALA NOVELS	\$4.77	\$1,669.50
539895	Scholastic Inc.	Bonita Vista Middle School	2	RQ17018044	1	ea	Sale tax adj	\$12.40	\$12.40
539896	Chula Vista Alarm, Inc.	Otay Ranch HS	1	RQ17018050	1	lot	Service Call, Labor Installation and 12V Batter. Replace back-up battery for security alarm system.	\$209.80	\$209.80
539896	Chula Vista Alarm, Inc.	Otay Ranch HS	2	RQ17018050	1	lot	Service Call, Labor Installation. Disabled Partition 3 ,Changed Zone 11 Bell, Room 307/308, Checked codes in 358	\$177.45	\$177.45
539896	Chula Vista Alarm, Inc.	Otay Ranch HS	3	RQ17018050	1	lot	Service Call Labor Installation, 64z LCD IconKeypad. Replaced Keypad in Bldg. 500 for 501 malfunctioning of keys on keypad.	\$264.55	\$264.55
539897	Gardena Valley News, Inc., The	Otay Ranch HS	1	RQ17018052	1	lot	Printing of the Ranch Review Newspaper (4 months)	\$1,811.20	\$1,811.20
539898	Don Oleson Inc.	Transportation	1	RQ17018058	1	lot	Clean & test air charged cooler	\$225.00	\$225.00
539898	Don Oleson Inc.	Transportation	2	RQ17018058	1	lot	Clean & test radiator	\$225.00	\$225.00

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539898	Don Oleson Inc.	Transportation	3	RQ17018058	1	lot	Clean & test heater core	\$165.00	\$165.00
539899	Psychological Assessment Resources, Inc.	Special Services	1	RQ17016904	1	ea	TSCC Introductory Kit	\$204.25	\$204.25
539899	Psychological Assessment Resources, Inc.	Special Services	2	RQ17016904	1	eae	AARS Introductory Kit	\$192.85	\$192.85
539899	Psychological Assessment Resources, Inc.	Special Services	3	RQ17016904	1	ea	PETRA Introductory Kit	\$153.90	\$153.90
539899	Psychological Assessment Resources, Inc.	Special Services	4	RQ17016904	1	ea	RAASI Introductory Kit	\$201.40	\$201.40
539899	Psychological Assessment Resources, Inc.	Special Services	5	RQ17016904	4	ea	FAR Comprehensive Kit	\$474.05	\$1,896.20
539899	Psychological Assessment Resources, Inc.	Special Services	6	RQ17016904	2	ea	TAPS-3 Test Booklets	\$80.00	\$160.00
539899	Psychological Assessment Resources, Inc.	Special Services	7	RQ17016904	2	ea	TAPS-3: Spanish Bilingual Edition Test Booklets	\$75.00	\$150.00
539899	Psychological Assessment Resources, Inc.	Special Services	8	RQ17016904	2	ea	GARS-3 Summary/Response Forms	\$59.00	\$118.00
539900	Sports Endeavors, Inc.	Chula Vista Middle School1		RQ17018026	4	ea	A5348400, SKLZ MINI BANDS, no color, Z	\$17.99	\$71.96
539900	Sports Endeavors, Inc.	Chula Vista Middle School2		RQ17018026	2	ea	A4814200, VELOCE DELUXE REBOUND, no color, Z	\$35.99	\$71.98
539901	Sports Endeavors, Inc.	Chula Vista Middle School1		RQ17018025	6	ea	A8666000, Royale 2016 (RED), no color, 5	\$67.49	\$404.94
539901	Sports Endeavors, Inc.	Chula Vista Middle School2		RQ17018025	2	ea	A2839000, Agility Dots Orange 6, no color, Z	\$13.49	\$26.98
539901	Sports Endeavors, Inc.	Chula Vista Middle School3		RQ17018025	2	ea	A7420600, 'Pro-Tec 7" ORB MASS, no color, Z	\$17.99	\$35.98
539901	Sports Endeavors, Inc.	Chula Vista Middle School4		RQ17018025	4	ea	A1880800, Doble Action Ball PU, no color, Z	\$7.19	\$28.76
539901	Sports Endeavors, Inc.	Chula Vista Middle School5		RQ17018025	2	ea	A9138100, Gloveglu Washfoamer, no color, Z	\$17.99	\$35.98
539901	Sports Endeavors, Inc.	Chula Vista Middle School6		RQ17018025	1	ea	A8672800, New Brilliant Super R 5, o color, 5	\$539.99	\$539.99
539901	Sports Endeavors, Inc.	Chula Vista Middle School7		RQ17018025	2	ea	A9253300, 33 Allround w/finger prot, no color, size 10	\$44.09	\$88.18

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539901	Sports Endeavors, Inc.	Chula Vista Middle School	8	RQ17018025	2	ea	A9253200, 33 Allround w/finger prot, no color, size 7	\$44.09	\$88.18
539901	Sports Endeavors, Inc.	Chula Vista Middle School	9	RQ17018025	2	ea	A3779000, J Guard (Black) no color, S	\$8.99	\$17.98
539901	Sports Endeavors, Inc.	Chula Vista Middle School	10	RQ17018025	2	ea	A3779000, J Guard (Black) no color, M	\$8.99	\$17.98
539901	Sports Endeavors, Inc.	Chula Vista Middle School	11	RQ17018025	1	ea	A8694100, SI FLAT BACK 4/ Resist, no color, Z	\$251.99	\$251.99
539901	Sports Endeavors, Inc.	Chula Vista Middle School	12	RQ17018025	4	ea	A5448001, Disc Cone Strap, no color, Z	\$3.59	\$14.36
539901	Sports Endeavors, Inc.	Chula Vista Middle School	13	RQ17018025	1	ea	A9514900, Nike Football x Duro, no color, 5	\$26.99	\$26.99
539901	Sports Endeavors, Inc.	Chula Vista Middle School	14	RQ17018025	1	ea	A8672200, New United Training BA, no color, 5	\$301.49	\$301.49
539902	College Board (The)	Southwest High School	1	RQ17015257	1	lot	PSAT 8/9 Test Fees Fall 2016 Administration for Southwest High School (school code 052892)	\$910.00	\$910.00
539903	Rasix Computer Center, Inc.	Alternative Education	1	RQ17017624	2	ea	HP 55X Black High Yield Toner	\$161.00	\$322.00
539904	B&H Photo	Central Receiving	1	RQ17018021	1	EA	OPGT1080, OPTPMA 3D GAMING PROJECTOR/REG	\$659.00	\$659.00
539904	B&H Photo	Central Receiving	2	RQ17018021	1	EA	JBXTREMEBLK, JBL XTREME PRTBL BT SPKR E/SPEAKERPHONE-BLACK/REG	\$209.00	\$209.00
539904	B&H Photo	Central Receiving	3	RQ17018021	1	EA	LGPF1500, LG LED FHD 1400 ANSI ATSC WIDI WIFI SAMRT/REG	\$936.00	\$936.00
539904	B&H Photo	Central Receiving	5	RQ17018021	1	EA	CAIP110, CANON IP110 WIRELESS MOBILE PHOTO PRINTER/REG	\$149.95	\$149.95
539904	B&H Photo	Central Receiving	6	RQ17018021	1	EA	RAAASXBONE, RAZER RAZER ATROX ARCADE STICK FOR XBOX ONE/REG	\$184.00	\$184.00
539904	B&H Photo	Central Receiving	7	RQ17018021	1	EA	RAPSPS4, RAZER RAZER PANTHERA ARCADE STICK FOR PS4/REG	\$178.00	\$178.00
539904	B&H Photo	Central Receiving	8	RQ17018021	2	EA	SAEBPN915BSE, SAMSUNG PORTABLE BATTERY PACK	\$38.99	\$77.98
539904	B&H Photo	Central Receiving	9	RQ17018021	1	EA	XCUSB10PHSV2, XCELLON 10-PORT PWRD USB 3.0 ALUMINUM HUB	\$49.00	\$49.00
539904	B&H Photo	Central Receiving	10	RQ17018021	2	EA	SLVR/REG YUTOW2LUSA, YUBI 1 LAYER USB + 1 LAYER USA (USA PLUG) REG	\$22.00	\$44.00
539904	B&H Photo	Central Receiving	11	RQ17018021	1	EA	PEC2R2R15, FUISSP2PSLV, PEARSTONE AUDIO CABLE/2/RCA - 15' / REG	\$9.95	\$9.95
539904	B&H Photo	Central Receiving	12	RQ17018021	1	EA	KIKWHUB7U3, FUSPCP, KINGWIN 4 PORT USB3 HUB + 3 IQ SMART CHRGNG PT/REG	\$25.99	\$25.99

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539904	B&H Photo	Central Receiving	13	RQ17018021	2	EA	FUISSP2PSLVI, FUJI INSTAX SHR SP-2 PRINTER - SLV/POUCH/FILM/REG. CONSIST OF: 2 FUJI INSTAX SHAPE SP-2 PRINTER-SILVER/REG, 2 FUJI SHARE PRINTER CARRY POUCH/REG, FUJI INSTAX MINI FILM YWIN PACK-20 SHEETS/REG	\$172.70	\$345.40
539904	B&H Photo	Central Receiving	14	RQ17018021	4	EA	CACLI36, CANON CLI-36 CLR CARTRIDGE F/MINI 260 PRINTR/REG	\$16.99	\$67.96
539904	B&H Photo	Central Receiving	15	RQ17018021	2	EA	ENPAA4, ENRGIZER AA NIMH PRECHARGED 2300 mah BATT (4-pack) /REG	\$9.95	\$19.90
539905	Melendez, Hector	Bonita Vista Middle School	1	RQ17018048	150	ea	Science bit licenses, 1yr for 7th grade. Contact person is Lia Abundes, Lia.Abundes@sweetwaterschools.org	\$5.00	\$750.00
539905	Melendez, Hector	Bonita Vista Middle School	2	RQ17018048	150	ea	Science bits licenses, 1yr for 8th grade. Contact person is Maria Canales, Maria.Canales@sweetwaterschools.org	\$5.00	\$750.00
539906	Scholastic Inc.	Montgomery Adult School	1	RQ17011818	25	ea	The New York Times Upfront 2016-2017 Scholastic Classroom Magazines. Sept 2017 - May 2018	\$9.99	\$249.75
539907	Uline, Inc.	Chula Vista High School	1	RQ17017773	6	ea	Rolling Z Rack Professional duty garment rack for department stores	\$79.00	\$474.00
539907	Uline, Inc.	Chula Vista High School	2	RQ17017773	6	ea	Clear Vinyl clothes rack covers	\$40.00	\$240.00
539908	B&H Photo	Central Receiving	1	RQ17017936	1	EA	BRAR127EXOGT BRESSER MESSIER AR-127S/635 F/5 635 MM W/MOUNT/REG	\$869.00	\$869.00
539908	B&H Photo	Central Receiving	2	RQ17017936	1	EA	NISB700K1, NIKON SB-700 AF TTL SPDLT/BAT/LGHT BNC/BAND/USA	\$366.95	\$366.95
539908	B&H Photo	Central Receiving	3	RQ17017936	4	EA	SA50WLED SAVAGE LED BULB 50W/REG	\$44.09	\$176.36
539908	B&H Photo	Central Receiving	4	RQ17017936	1	EA	SI1506005CCN SIGMA 150-600MM F5-6.3	\$1,136.80	\$1,136.80
539908	B&H Photo	Central Receiving	5	RQ17017936	1	EA	CAEDRT6I1855 CANON EOS REBEL T6I DIG CAM W/18-55MM LENS	\$699.00	\$699.00
539908	B&H Photo	Central Receiving	6	RQ17017936	1	EA	CA100ESSBBK, FREE WITH PURCHASE OF CAEDRT6I1855	\$0.00	\$0.00
539908	B&H Photo	Central Receiving	7	RQ17017936	1	EA	JBC2PSK, JBL JBL CONFERENCE ROOM SPEAKER KIT/REG	\$177.00	\$177.00
539908	B&H Photo	Central Receiving	8	RQ17017936	1	EA	SINGTRIX PARTY BUNDLE HOME KARAOKE SYSTEM/REG	\$309.00	\$309.00
539908	B&H Photo	Central Receiving	9	RQ17017936	1	EA	ON147002, ONETAKEONLY PAD PROMPTER FOR 15MM RAIL	\$375.00	\$375.00

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539909	CDW Government, Inc.	Mar Vista High School	1	RQ17016564	1	ea	Countour Wireless RollerMouse Pro 3., Mfg RMPR03WL	\$274.58	\$274.58
539910	San Diego Theatres, inc	Chula Vista Middle School	1	RQ17016984	25	ea	Tickets in Orchestra Section-Body Rock Registration for students attending at San Diego Theather, Saturday, June 3, 2017.	\$37.50	\$937.50
539910	San Diego Theatres, inc	Chula Vista Middle School	2	RQ17016984	1	Lot	Group Service Charge	\$12.00	\$12.00
539911	Tariq Khamisa Foundation	Equity Culture & Support Services	1	RQ17017213	1	EA	CONSULTANT TARIQ KHAMISA FOUNDATION (TKF) FOCUSES ON TRANSFORMING YOUTH THROUGH EDUCATION AND RESTORATIVE PRACTICES PROGRAMS IN THE SWEETWATER UNION HIGH SCHOOL DISTRICT.	\$1,550.00	\$1,550.00
539912	CDW Government, Inc.	Teaching & Learning Department	1	RQ17015761	1	ea	Sunbrite TV SB-WM46NA wall mount	\$133.00	\$133.00
539913	Guay, Normand P.	Montgomery High School	1	RQ17016899	1	lot	Consultant, CPR course in April	\$1,800.00	\$1,800.00
539914	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	1	RQ17017544	1	Ea	Activate Series Elliptical Cross-Trainer	\$3,352.00	\$3,352.00
539914	Advanced Healthstyles Fitness Equipment, Inc.	CTE (formerly ROP)	2	RQ17017544	1	Ea	Activate Series Upright Lifecycle Bike	\$1,960.00	\$1,960.00
539915	NCS Pearson, Inc.	Special Services	1	RQ17017443	2	ea	TEA-Ch2 Complete Kit	\$599.00	\$1,198.00
539916	Stopper Group (The)	San Ysidro High School	1	RQ17017095	4	lot	OAP earset with custom p4 AT ends	\$118.00	\$472.00
539917	Scholastic Inc.	Hilltop High School	1	RQ17014274	40	ea	CHOICES magazine subscription (Health) Item # 036, Promo 4167 Sept 2017 -May 2018	\$9.49	\$379.60
539918	Nova Press Group, Inc	Transportation	1	RQ17018067	1	lot	2 part carbonless (blue front/+white back tag)	\$901.00	\$901.00
539919	National Fleet Tire Service Inc.	Transportation	1	RQ17018072	12	ea	Cap/Casings for '200 buses'	\$265.00	\$3,180.00
539921	Oxford University Press	Hilltop High School	1	RQ17014574	30	Ea.	Oxford Picture Dictionary English-Spanish ISBN: 9780194505284 (being substituted for 9780194740098)	\$24.60	\$738.00
539922	Aristotle Corporation	Sweetwater High School	1	RQ17015936	12	pk	TB24795T - Desk number line	\$4.97	\$59.64
539922	Aristotle Corporation	Sweetwater High School	2	RQ17015936	2	ea	TB25800T - Number line bulletin board set	\$8.08	\$16.16
539922	Aristotle Corporation	Sweetwater High School	3	RQ17015936	1	ea	TB18800T - Calculator storage pocket chart	\$15.43	\$15.43
539922	Aristotle Corporation	Sweetwater High School	4	RQ17015936	3	ea	WA34454T - Latch box clear storage container - 6 quart - 14-1/8' x 7-5/8'x4-7/8'	\$2.51	\$7.53
539922	Aristotle Corporation	Sweetwater High School	5	RQ17015936	30	st	TB20112T - Nasco's Cone-Tip Dry-erase markers - set of 5	\$2.51	\$75.30
539922	Aristotle Corporation	Sweetwater High School	6	RQ17015936	5	ea	0500480- Solid Styrofoam Ball-4'	\$2.18	\$10.90

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539922	Aristotle Corporation	Sweetwater High School	7	RQ17015936	1	pk	9714794 - Solid Styrofoam Balls - 1'	\$2.18	\$2.18
539922	Aristotle Corporation	Sweetwater High School	8	RQ17015936	1	pk	9714795 - Solid Styrofoam Balls - 1-1/2'	\$2.99	\$2.99
539922	Aristotle Corporation	Sweetwater High School	9	RQ17015936	10	pk	9738793 - EXPO Low odor dual ended dry-erase markers - set of 8	\$18.25	\$182.50
539922	Aristotle Corporation	Sweetwater High School	10	RQ17015936	1	ea	National City Sales Tax Adjustment 8.75%	\$2.13	\$2.13
539923	Molly Hawkins' House, Inc.	San Ysidro High School	1	RQ17016854	4	Ea	971b drawing paper 18x24'	\$80.48	\$321.92
539924	Patterson Medical Supply, Inc	Sweetwater High School	1	RQ17017050	2	EA	MEDCO FOAM UNDERWRAP RED 48/CS	\$31.43	\$62.86
539924	Patterson Medical Supply, Inc	Sweetwater High School	2	RQ17017050	3	EA	PRO TRAINER ELAST TAPE 1.5'/32	\$33.30	\$99.90
539924	Patterson Medical Supply, Inc	Sweetwater High School	3	RQ17017050	3	EA	ELASTIKON SPEED PACK	\$61.82	\$185.46
539924	Patterson Medical Supply, Inc	Sweetwater High School	4	RQ17017050	2	EA	LEUKOTAPE P,1 1/2 X15 YD CS 30	\$6.13	\$12.26
539924	Patterson Medical Supply, Inc	Sweetwater High School	5	RQ17017050	2	EA	OPEN CELL FOAM 1/2X6X72 WHITE	\$13.17	\$26.34
539924	Patterson Medical Supply, Inc	Sweetwater High School	6	RQ17017050	2	EA	ECONOWRAP 4X10 YD PK/6	\$28.34	\$56.68
539924	Patterson Medical Supply, Inc	Sweetwater High School	7	RQ17017050	5	EA	ECONO WRAP REIN BAND 4X4.5 10 4' X 4.5 YDS 10 ROLLS	\$8.46	\$42.30
539924	Patterson Medical Supply, Inc	Sweetwater High School	8	RQ17017050	5	EA	ECONOWRAP 6'X4 1/2 YD PK 10	\$24.73	\$123.65
539924	Patterson Medical Supply, Inc	Sweetwater High School	9	RQ17017050	8	EA	MUELLER ADJUSTABLE ANKLE SUPP	\$7.84	\$62.72
539924	Patterson Medical Supply, Inc	Sweetwater High School	10	RQ17017050	1	EA	ROLYAN FNGR GUTTER KIT (30)	\$136.74	\$136.74
539924	Patterson Medical Supply, Inc	Sweetwater High School	11	RQ17017050	1	EA	THERABAND 50YD HVY (GREEN) EA	\$66.76	\$66.76
539924	Patterson Medical Supply, Inc	Sweetwater High School	12	RQ17017050	5	EA	COVERLET 4-WINGS 3'X3'/50	\$8.67	\$43.35
539924	Patterson Medical Supply, Inc	Sweetwater High School	13	RQ17017050	3	EA	POWDERFREE LATEZX GLOVE, MD 100	\$19.84	\$59.52
539924	Patterson Medical Supply, Inc	Sweetwater High School	14	RQ17017050	1	EA	COTTON TIP APPL 6' 1000/BX	\$5.95	\$5.95
539924	Patterson Medical Supply, Inc	Sweetwater High School	15	RQ17017050	2	EA	COVER-ROLL 4' X10YD BEIER #45553	\$12.42	\$24.84
539924	Patterson Medical Supply, Inc	Sweetwater High School	16	RQ17017050	2	EA	BRIGHT LIGHT LED PENLIGHT WHT	\$4.31	\$8.62
539924	Patterson Medical Supply, Inc	Sweetwater High School	17	RQ17017050	1	EA	STERISTRIP 1/4 X4' 30/BOX	\$11.69	\$11.69

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539924	Patterson Medical Supply, Inc	Sweetwater High School	18	RQ17017050	1	EA	PARAMEDIC SHEARS, 5 1/2 GREEN	\$5.05	\$5.05
539924	Patterson Medical Supply, Inc	Sweetwater High School	19	RQ17017050	1	EA	SECOND SKIN 3' CIRCLES/48 PER	\$53.84	\$53.84
539924	Patterson Medical Supply, Inc	Sweetwater High School	20	RQ17017050	2	EA	ROCKTAPE H20 BEIGE 2'X16.4	\$14.76	\$29.52
539924	Patterson Medical Supply, Inc	Sweetwater High School	21	RQ17017050	1	EA	PRO TRAINER COHESIVE 2' TAN	\$22.79	\$22.79
539924	Patterson Medical Supply, Inc	Sweetwater High School	22	RQ17017050	2	EA	MUELLER ADJUSTABLE KNEE SUPP	\$50.39	\$100.78
539924	Patterson Medical Supply, Inc	Sweetwater High School	23	RQ17017050	5	EA	MUELLER JUMPERS KNEE STRAP BLK	\$9.15	\$45.75
539924	Patterson Medical Supply, Inc	Sweetwater High School	24	RQ17017050	2	EA	MUELLER NEOPRENE THIGH SLV MD	\$10.21	\$20.42
539924	Patterson Medical Supply, Inc	Sweetwater High School	25	RQ17017050	2	EA	MUELLER NEOPRENE THIGH SLV LG	\$10.21	\$20.42
539924	Patterson Medical Supply, Inc	Sweetwater High School	26	RQ17017050	23	EA	COACH TAPE, 1 1/2 32 ROLLS	\$50.92	\$1,171.16
539924	Patterson Medical Supply, Inc	Sweetwater High School	27	RQ17017050	1	LOT	NATIONAL CITY ADDITIONAL TAX - 8.75%	\$12.50	\$12.50
539925	Dick Blick Company	Montgomery High School	1	RQ17017495	5	ea	Carving Blocks Class Pack 2' x 1 1/2' x 5' 36 Blocks	\$47.62	\$238.10
539926	Toys For Special Children	Special Services	1	RQ17017610	2	ea	Round Disk Sensors (set of 3)	\$18.95	\$37.90
539926	Toys For Special Children	Special Services	2	RQ17017610	2	ea	Sensor Kit (set of 3)	\$62.95	\$125.90
539926	Toys For Special Children	Special Services	3	RQ17017610	2	ea	The Twitch Switch	\$119.95	\$239.90
539927	Toys For Special Children	Special Services	1	RQ17017613	1	ea	Gumball Switches & Accessories (Textured Tops for Gumballs (Set of 4)	\$24.95	\$24.95
539928	S&S Worldwide	Southwest Middle School	1	RQ17017218	5	EA	DISHWASHER SAFE MODGE PODGE	\$11.99	\$59.95
539928	S&S Worldwide	Southwest Middle School	2	RQ17017218	2	EA	MATTE MODGE PODGE	\$42.39	\$84.78
539928	S&S Worldwide	Southwest Middle School	3	RQ17017218	2	EA	GLOSS MODGE PODGE	\$42.39	\$84.78
539928	S&S Worldwide	Southwest Middle School	4	RQ17017218	2	EA	16OZ MODGE PODGE	\$9.99	\$19.98
539928	S&S Worldwide	Southwest Middle School	5	RQ17017218	1	EA	CRAFTSTICK EASY PACK	\$47.99	\$47.99
539928	S&S Worldwide	Southwest Middle School	6	RQ17017218	5	EA	ELMERS MULTI PURPOSE	\$5.83	\$29.15
539928	S&S Worldwide	Southwest Middle School	7	RQ17017218	10	EA	TISSUE PAPER 12X18	\$8.39	\$83.90
539928	S&S Worldwide	Southwest Middle School	8	RQ17017218	1	EA	VELVET ART DESIGNS 8	\$27.19	\$27.19
539928	S&S Worldwide	Southwest Middle School	9	RQ17017218	5	EA	SUN/MOON SAND BOTTLES	\$15.99	\$79.95

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539928	S&S Worldwide	Southwest Middle School	10	RQ17017218	10	EA	SHELL BOTTLE W/CORKS	\$15.99	\$159.90
539928	S&S Worldwide	Southwest Middle School	11	RQ17017218	1	EA	SAND ART BOTTLE EASY	\$91.99	\$91.99
539928	S&S Worldwide	Southwest Middle School	12	RQ17017218	1	EA	SAND FINE 12 CLR	\$30.39	\$30.39
539928	S&S Worldwide	Southwest Middle School	13	RQ17017218	1	EA	WONDER LOOM	\$19.19	\$19.19
539928	S&S Worldwide	Southwest Middle School	14	RQ17017218	1	EA	GREETING CARD DECOR	\$74.39	\$74.39
539928	S&S Worldwide	Southwest Middle School	15	RQ17017218	1	EA	REMINISCENCE CARD TIN	\$39.99	\$39.99
539928	S&S Worldwide	Southwest Middle School	16	RQ17017218	2	EA	ACRYLIC PAINT IN A TUBE	\$79.99	\$159.98
539928	S&S Worldwide	Southwest Middle School	17	RQ17017218	2	EA	LOOPS & LOOMS ACTIVITY	\$15.99	\$31.98
539928	S&S Worldwide	Southwest Middle School	18	RQ17017218	4	EA	RAINBOW TIE DYE GROUP	\$75.99	\$303.96
539928	S&S Worldwide	Southwest Middle School	19	RQ17017218	2	EA	BREAK YOUR OWN GEODE	\$11.19	\$22.38
539928	S&S Worldwide	Southwest Middle School	20	RQ17017218	5	EA	OUTDOOR MODGE PODGE	\$12.79	\$63.95
539928	S&S Worldwide	Southwest Middle School	21	RQ17017218	5	EA	CLEAR CHALK MODGE PODGE	\$7.19	\$35.95
539928	S&S Worldwide	Southwest Middle School	22	RQ17017218	4	EA	COLOR ME BANNER EASY	\$48.74	\$194.96
539928	S&S Worldwide	Southwest Middle School	23	RQ17017218	1	EA	COLOR SPLASH FASHION	\$14.99	\$14.99
539928	S&S Worldwide	Southwest Middle School	24	RQ17017218	1	EA	SPECTRUM PARTNER	\$21.59	\$21.59
539928	S&S Worldwide	Southwest Middle School	25	RQ17017218	10	EA	LESS MESS GLUE STICKS MINI	\$4.79	\$47.90
539928	S&S Worldwide	Southwest Middle School	26	RQ17017218	10	EA	LESS MESS GLUE STICKS	\$5.59	\$55.90
539928	S&S Worldwide	Southwest Middle School	27	RQ17017218	10	EA	GLUE GUN LOW TEMP	\$10.39	\$103.90
539928	S&S Worldwide	Southwest Middle School	28	RQ17017218	10	EA	GLUE GUN LOW TEMP MINI	\$7.19	\$71.90
539928	S&S Worldwide	Southwest Middle School	29	RQ17017218	1	EA	CRAYOLA ULTRA-CLEAN	\$79.99	\$79.99
539928	S&S Worldwide	Southwest Middle School	30	RQ17017218	1	EA	VELVET COLLABORATIVE	\$32.79	\$32.79
539928	S&S Worldwide	Southwest Middle School	31	RQ17017218	1	EA	VELVET ART MANDALAS	\$20.79	\$20.79
539928	S&S Worldwide	Southwest Middle School	32	RQ17017218	1	EA	VELVET ART 3D POSTERS	\$22.39	\$22.39
539928	S&S Worldwide	Southwest Middle School	33	RQ17017218	1	EA	VELVET ART POSTERS ASSORTED	\$54.39	\$54.39
539928	S&S Worldwide	Southwest Middle School	34	RQ17017218	2	EA	TOILET TROUBLE GAME	\$21.59	\$43.18
539928	S&S Worldwide	Southwest Middle School	35	RQ17017218	2	EA	PIE FACE SHOWDOWN GAME	\$27.99	\$55.98
539928	S&S Worldwide	Southwest Middle School	36	RQ17017218	4	PK	GEMSTONE ALPHABET PK	\$11.59	\$46.36
539928	S&S Worldwide	Southwest Middle School	37	RQ17017218	1	EA	FACETED ACRYLIC GEMSTONES	\$12.79	\$12.79
539928	S&S Worldwide	Southwest Middle School	38	RQ17017218	1	ea	OFFER CODE S4466 - FREE SHIPPING	\$0.00	\$0.00
539929	Barnes & Noble Booksellers, USA Inc.	Hilltop Middle School	1	RQ17018007	1	ea	Thief CD. contact: erin.southam@sweetwaterschools.org	\$23.96	\$23.96

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539929	Barnes & Noble Booksellers, USA Inc.	Hilltop Middle School	2	RQ17018007	1	ea	Counting By 7s. CD	\$15.99	\$15.99
539929	Barnes & Noble Booksellers, USA Inc.	Hilltop Middle School	3	RQ17018007	1	ea	Fault in Our Stars CD	\$9.99	\$9.99
539929	Barnes & Noble Booksellers, USA Inc.	Hilltop Middle School	4	RQ17018007	1	ea	Lightning Thief CD	\$15.99	\$15.99
539929	Barnes & Noble Booksellers, USA Inc.	Hilltop Middle School	5	RQ17018007	1	ea	Thirteen Reasons Why CD	\$28.00	\$28.00
539929	Barnes & Noble Booksellers, USA Inc.	Hilltop Middle School	6	RQ17018007	1	ea	When You Reach Me CD	\$22.40	\$22.40
539930	Flinn Scientific, Inc.	Castle Park Middle School	1	RQ17018018	3	ea	AP6607, A reaction in a bag chemical demonstration kit	\$28.99	\$86.96
539930	Flinn Scientific, Inc.	Castle Park Middle School	2	RQ17018018	3	ea	AP6488, Ice melting blocks	\$20.83	\$62.48
539930	Flinn Scientific, Inc.	Castle Park Middle School	3	RQ17018018	6	ea	AP6606, Observing evidence of a chemical reaction demonstration kit	\$50.83	\$304.98
539930	Flinn Scientific, Inc.	Castle Park Middle School	4	RQ17018018	4	ea	AP7035, Chemical and mechanical weathering of rock-student laboratory kit	\$72.97	\$291.89
539930	Flinn Scientific, Inc.	Castle Park Middle School	5	RQ17018018	24	ea	AP9293, Mass is conserved-volume is not! chemical demonstration kit	\$6.46	\$155.04
539930	Flinn Scientific, Inc.	Castle Park Middle School	6	RQ17018018	3	ea	AP7445 Mass is conserved-volume is not! chemical demonstration kit	\$15.51	\$46.54
539930	Flinn Scientific, Inc.	Castle Park Middle School	7	RQ17018018	10	ea	AB1019, Basic dissecting kit	\$9.85	\$98.52
539930	Flinn Scientific, Inc.	Castle Park Middle School	8	RQ17018018	1	ea	FB1469, Owl pellets, pkd. og 50	\$140.68	\$140.68
539931	Scholastic Inc.	Sweetwater High School	1	RQ17009421	10	ea	Subscription: #58 - The New York Times Upfront, Sept 2017 - May 2018	\$9.99	\$99.90
539932	County Of San Diego	Business Services	1	RQ17018070	1	EACH	General State Cupa Oversight/Site	\$35.00	\$35.00
539932	County Of San Diego	Business Services	2	RQ17018070	1	EACH	Base Fee For Non-Medical Haz	\$228.00	\$228.00
539932	County Of San Diego	Business Services	3	RQ17018070	1	each	Level 1, Haz Mat Inventory Fee-Diesel	\$71.00	\$71.00
539932	County Of San Diego	Business Services	4	RQ17018070	1	EACH	Level 1, Hazardous Waste Fee - Laboratory Waste	\$84.00	\$84.00
539932	County Of San Diego	Business Services	5	RQ17018070	1	each	Level 1, Hazardous Waste Fee - Photochemical/Fixer Waste	\$84.00	\$84.00
539932	County Of San Diego	Business Services	6	RQ17018070	1	each	Level 1, Hazardous Waste Fee - Sharps Waste	\$84.00	\$84.00
539933	iDesign USA Corp.	Central Receiving	1	RQ17018074	1	ea	MAMP07825, Markerbot Peplicator+3D printer	\$2,360.00	\$2,360.00
539933	iDesign USA Corp.	Central Receiving	2	RQ17018074	1	Lot	2 yr warranty	\$849.00	\$849.00
539934	Newegg Business, Inc.	Hilltop High School	1	RQ17016633	1	Each	9B-14-487-292/N82E16814487292 EVGA GEFORCE GTX1050	\$159.99	\$159.99

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539934	Newegg Business, Inc.	Hilltop High School	3	RQ17016633	1	Each	9SIV0WG5926174/9SIABGC4GP9113 Intel BX80614X5670 Xeon X5670	\$189.00	\$189.00
539934	Newegg Business, Inc.	Hilltop High School	4	RQ17016633	1	Each	9SIV0VW5HJ6000/9SIA0ZX49U5604 Intel S1400FP2 SERVER MOTHERBOARD	\$298.99	\$298.99
539934	Newegg Business, Inc.	Hilltop High School	5	RQ17016633	2	Each	9SIV0BW4BR2145/9SIA3BG49T5868 VIVO DUAL MONITOR STANDING DESK MOUNT	\$62.99	\$125.98
539935	Golden, Dani	Granger Junior High School		RQ17012824	1	LOT	CONSULTANT, Dani Golden, Author of "Life.Game On." TO PROVIDE LITERACY SERVICES TO 7-8-9th Graders FOR LITERACY AWARENESS, AUTHOR DISCUSSION WITH STUDENTS ABOUT THE PROCESS OF WRITING A BOOK, HOW, WHAT, WHY? Service Date 2/2/17	\$400.00	\$400.00
539936	Nevertardy Transit, LLC	Southwest Middle School	1	RQ17015978	1	Lot	RoundTrip Charter service from SOM to Qualcomm Headquarters on April 25, 2017 for Thinkabit Lab	\$650.00	\$650.00
539937	Scholastic Inc.	Castle Park High School	1	RQ17010285	30	EA	022, A one year subscription (Sept 2017 to May 2018) to Scholastic Action Grades 6-12 10 issues @ 8.99 ea. 30 copies	\$8.99	\$269.70
539937	Scholastic Inc.	Castle Park High School	2	RQ17010285	30	EA	058, A one year subscription (Sept 2017 to May 2018) to The New York Times Upfront Grades 9-12 14 issues @ 9.99 ea. 30 Copies	\$9.99	\$299.70
539937	Scholastic Inc.	Castle Park High School	3	RQ17010285	40	EA	078, A one year subscription (Sept 2017 to May 2018) to Que Tal? Grades 6-12 6 issues @ 7.99 ea. 40 Copies	\$7.99	\$319.60
539937	Scholastic Inc.	Castle Park High School	4	RQ17010285	40	EA	080, A one year subscription (Sept 2017 to May 2018) to Ahora Grades 6-12 6 issues @ 7.99 ea. 40 Copies	\$7.99	\$319.60
539938	Line Printing Company (The)	Bonita Vista High School	1	RQ17018076	1	box	Premium bright white business cards. One color/white/500. For ROMAN DEL ROSARIO (name and title in all capital letters)	\$24.00	\$24.00
539939	College Board (The)	Otay Ranch HS	1	RQ17018064	1	ea	Prepay registration fee for Lindsey Sistar to attend AP Capstone Training in Long Beach, CA 7/7/17 - 7/21/17	\$1,050.00	\$1,050.00
539940	Regents of the University of California Berkeley	Legal Services Division	1	RQ17007372	2	ea	Pocket Guide to Factfinding (2016, 2nd edition)	\$27.00	\$54.00
539940	Regents of the University of California Berkeley	Legal Services Division	2	RQ17007372	2	ea	Pocket Guide to Educational Employment Relations Act (2016, 9th edition)	\$27.00	\$54.00

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539940	Regents of the University of California Berkeley	Legal Services Division	3	RQ17007372	2	ea	Pocket Guide to Workplace Investigations (2016)	\$27.00	\$54.00
539941	WestEd	Mar Vista Academy	1	RQ17016834	1	Lot	WestEd Quality Teaching for English Learners (QTEL) Professional Development	\$40,000.00	\$40,000.00
539942	School Health Corporation	CTE (formerly ROP)	1	RQ17017528	1	ea	Whirlpool 110 Gal Stationary Whitehall (Ships direct from manufacturer)	\$5,342.33	\$5,342.33
539942	School Health Corporation	CTE (formerly ROP)	2	RQ17017528	1	ea	Whirlpool Tank Top Seat Whitehall 24 in (Ships direct from manufacturer)	\$1,250.00	\$1,250.00
539943	Dynatronics Corp	Central Receiving	1	RQ17017534	1	ea	Heating Unit, 12-Pack Capacity Unit, Mobile, NO packs included, 110 volts, 102 lbs	\$1,150.00	\$1,150.00
539943	Dynatronics Corp	Central Receiving	2	RQ17017534	4	ea	Dynatronics Treatment Tables - 30 in x 78 in, with Liftback, Nosehole, Burgundy	\$699.00	\$2,796.00
539944	Hidden Valley Investments, Inc	Transportation	1	RQ17017764	1	lot	New 2017 Silverado 2500 regular cab chassis 6.0L V8 Gas engine, 6-speed automatic transmission. Mylink audio with 7' color touch screen & bluetooth camper style mirrors, spare wheel & tire.	\$26,174.76	\$26,174.76
539944	Hidden Valley Investments, Inc	Transportation	2	RQ17017764	1	lot	Harbor 8' utility body with flip open tops, material rack and HD receiver hitch & plug sliding roll top enclosure	\$7,275.00	\$7,275.00
539944	Hidden Valley Investments, Inc	Transportation	3	RQ17017764	1	lot	DOC Fee	\$80.00	\$80.00
539944	Hidden Valley Investments, Inc	Transportation	4	RQ17017764	1	lot	Estimated-License and registration	\$37.75	\$37.75
539945	Scholastic Inc.	Sweetwater High School	1	RQ17010612	35	ea	Subscription to Science World (biweekly) 040-6443 Sept 2107-May 2018	\$9.49	\$332.15
539946	Greenwood Publishing Group, Inc.	San Ysidro High School	1	RQ17015564	2	Ea	Grammar to Enrich and Enhance Writing	\$31.50	\$63.00
539946	Greenwood Publishing Group, Inc.	San Ysidro High School	2	RQ17015564	2	Ea	Teaching Grammar in Context	\$31.50	\$63.00
539946	Greenwood Publishing Group, Inc.	San Ysidro High School	3	RQ17015564	1	Ea	The Grammar Plan Book	\$22.50	\$22.50
539947	Lerner Publishing Group	Hilltop High School	1	RQ17016252	1	set	ISBN 9781467761369 Pop Culture AudiseeR eBooks (6 titles included, all multi-user)	\$179.91	\$179.91
539947	Lerner Publishing Group	Hilltop High School	2	RQ17016252	1	set	ISBN 9781467761444 Twisted Journeys R AudiseeR eBooks (6 books included, all multi-user)	\$179.91	\$179.91
539947	Lerner Publishing Group	Hilltop High School	3	RQ17016252	1	set	ISBN 9781467779937 Graphic Myths and Legends AudiseeR e Books (8 titles included, multi-use)	\$239.88	\$239.88

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539947	Lerner Publishing Group	Hilltop High School	4	RQ17016252	1	set	ISBN 9781467779975 (6 titles included, multi-use)	\$179.91	\$179.91
539948	College Board (The)	Otay Ranch HS	1	RQ17018063	1	ea	Prepay registration fee for Nancine Decherd to attend AP Capstone Training in Long Beach, CA 7/7/17 - 7/21/17	\$1,050.00	\$1,050.00
539949	Nevertardy Transit, LLC	Hilltop High School	1	RQ17018080	1	lot	Provide one-way charter bus service to Oceanside High School on 5/23/17	\$495.00	\$495.00
539950	Royal Lines Charters, LLC	Southwest High School	1	RQ17018082	1	LOT	Provide RTCharter Bus service to Mission Vista High School, Oceanside on 5/23/2017.	\$784.00	\$784.00
539951	Sundance Stage Lines, Inc.	Southwest High School	1	RQ17018084	1	LOT	Provide RT Bus Service to Tri City High School, Vista on 5/24/17.	\$845.00	\$845.00
539952	B&H Photo	Central Receiving	1	RQ17017316	3	EA	FURMAN SS-6B POWER PRO PLUG 6 OUTLET BLOCK	\$29.35	\$88.05
539952	B&H Photo	Central Receiving	2	RQ17017316	1	EA	LUXOR LLTP18-B 18 TABLET/LAPTOP CHARGINGCART	\$458.54	\$458.54
539953	Herman, Thomas	Curriculum	1	RQ17018077	1	ea	Consultant will work with Geography teachers via their content pullout to further the implementation of the new human geography lens.	\$3,200.00	\$3,200.00
539954	Uline, Inc.	Payroll	1	RQ17015945	2	EA	Heavy-Duty Steel Shelving (60x24x72) Model # H-4862	\$450.00	\$900.00
539955	Uline, Inc.	Special Services	1	RQ17017573	3	ea	14 x 11' 2.7 Mil Hefty Slide-Rite Bags 250/carton	\$82.00	\$246.00
539956	George's Lawn Equipment	Sweetwater High School	1	RQ17017873	5	ea	CASE RM 2 CYCLE OIL	\$76.80	\$384.00
539956	George's Lawn Equipment	Sweetwater High School	2	RQ17017873	2	EA	DRUM, LID 2 NOTCH	\$13.74	\$27.48
539956	George's Lawn Equipment	Sweetwater High School	3	RQ17017873	1	EA	FIXED LINE TRIMMER	\$24.66	\$24.66
539956	George's Lawn Equipment	Sweetwater High School	4	RQ17017873	1	EA	BUMP HEAD	\$35.20	\$35.20
539956	George's Lawn Equipment	Sweetwater High School	5	RQ17017873	6	EA	PRIMER BULB	\$3.60	\$21.60
539956	George's Lawn Equipment	Sweetwater High School	6	RQ17017873	4	EA	5LB SPOOL .105 LINE	\$42.50	\$170.00
539956	George's Lawn Equipment	Sweetwater High School	7	RQ17017873	1	EA	WEED MOWER PUSH	\$499.99	\$499.99
539957	Broadway Typewriter Company Inc	Central Receiving	1	RQ17018060	1	ea	Lenovo X1 Carbon, Win 10 Pro 64, Intel i5, 8gb LPDDR, 128gb SSD, 14" FHD, 57Wh Battery, 65W adapter, 3yr Warranty, Custom Imaging	\$1,231.10	\$1,231.10
539957	Broadway Typewriter Company Inc	Central Receiving	2	RQ17018060	1	ea	CA ELECTRONIC WASTE RECYCLING FEE-NON-TAXABLE	\$5.00	\$5.00

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539957	Broadway Typewriter Company Inc	Central Receiving	3	RQ17018060	1	ea	Absolute DDS Mobile Premium for Education	\$56.00	\$56.00
539958	Flinn Scientific, Inc.	Central Receiving	1	RQ17016812	1	each	Water Distiller Bench Top	\$706.73	\$706.73
539958	Flinn Scientific, Inc.	Central Receiving	2	RQ17016812	1	each	Speaker Amplified	\$31.45	\$31.45
539958	Flinn Scientific, Inc.	Central Receiving	3	RQ17016812	1	each	Bench Combo with Self Closing Door	\$664.50	\$664.50
539958	Flinn Scientific, Inc.	Central Receiving	4	RQ17016812	1	each	Spectrum Tube System	\$221.81	\$221.81
539958	Flinn Scientific, Inc.	Central Receiving	5	RQ17016812	4	each	Chemistry with Labquest 2 Kit	\$644.20	\$2,576.80
539958	Flinn Scientific, Inc.	Central Receiving	6	RQ17016812	2	each	Go Direct Spectrovis Plus	\$450.45	\$900.90
539958	Flinn Scientific, Inc.	Central Receiving	7	RQ17016812	1	each	Autoclave W/O heat source 25 qt - non electrical	\$367.50	\$367.50
539958	Flinn Scientific, Inc.	Central Receiving	8	RQ17016812	1	each	Flinn Mini Centerfuge	\$220.96	\$220.96
539958	Flinn Scientific, Inc.	Central Receiving	9	RQ17016812	2	each	Six Gel Electrophoresis	\$314.88	\$629.77
539959	ASI Associates, Inc.	Bonita Vista High School	1	RQ17017831	1	ea	Laser refraction tank	\$95.00	\$95.00
539959	ASI Associates, Inc.	Bonita Vista High School	2	RQ17017831	1	ea	Newtonian Demonstrator	\$30.00	\$30.00
539959	ASI Associates, Inc.	Bonita Vista High School	3	RQ17017831	1	ea	Lenz's law apparatus	\$19.00	\$19.00
539959	ASI Associates, Inc.	Bonita Vista High School	4	RQ17017831	1	ea	Radiometer	\$8.95	\$8.95
539959	ASI Associates, Inc.	Bonita Vista High School	5	RQ17017831	1	ea	Advanced Gass law demos	\$109.00	\$109.00
539959	ASI Associates, Inc.	Bonita Vista High School	6	RQ17017831	1	ea	Exploring newtons first law: Inertia kit	\$65.00	\$65.00
539959	ASI Associates, Inc.	Bonita Vista High School	7	RQ17017831	1	ea	Doppler ball	\$15.00	\$15.00
539959	ASI Associates, Inc.	Bonita Vista High School	8	RQ17017831	1	ea	Stirling Engine	\$109.00	\$109.00
539960	Presentation Products, Inc.	CTE (formerly ROP)	1	RQ17017684	2	ea	Perfecta heavy Weight Coated Paper 24'X100' (Basics Full-Color Prints)	\$99.95	\$199.90
539961	MatterHackers, Inc.	Hilltop Middle School	1	RQ17018012	15	ea	Crafty Pen 3D Printing Pen	\$89.00	\$1,335.00
539961	MatterHackers, Inc.	Hilltop Middle School	2	RQ17018012	10	ea	PLA Strands for 3D Printing Pen Variety Pack 40 Strands 1.75mm. HTM/Contact: Erin Southam	\$16.00	\$160.00
539962	Lakeshore Learning Materials	Bonita Vista Middle School	1	RQ17018049	1	ea	HVY-DUTY EX-WD PCKT CHART-RD	\$33.24	\$33.24
539962	Lakeshore Learning Materials	Bonita Vista Middle School	2	RQ17018049	1	ea	SAFE-SIMPLE DIE CUT MACHINE	\$94.53	\$94.53
539962	Lakeshore Learning Materials	Bonita Vista Middle School	3	RQ17018049	1	ea	UPPERCASE ALPHA DIES - 3.5 IN	\$236.55	\$236.55
539963	VWR Funding, Inc.	Castle Park High School	1	RQ17016135	2	EA	VWR Micropipet 2-20 uL	\$237.10	\$474.20
539963	VWR Funding, Inc.	Castle Park High School	2	RQ17016135	2	EA	VWR Micropipet 20-200 uL	\$237.10	\$474.20
539963	VWR Funding, Inc.	Castle Park High School	3	RQ17016135	2	EA	VWR Micropipet 100-1000 uL	\$237.10	\$474.20

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539963	VWR Funding, Inc.	Castle Park High School	4	RQ17016135	1	EA	Potassium Phosphate, Monobasic, 500g	\$18.89	\$18.89
539963	VWR Funding, Inc.	Castle Park High School	5	RQ17016135	6	EA	Universal Pipette Stand 3-Place	\$45.88	\$275.28
539964	Presentation Products, Inc.	Olympian High School	1	RQ17018086	2	ea	38' Dual-sided laminate for 38' ProFinish XL	\$349.95	\$699.90
539965	JES Engraving Company, Inc.	Olympian High School	1	RQ17018083	1	ea	Teacher of the Year Award to Melody Morris Olympian Teacher	\$45.00	\$45.00
539966	Office Depot	Rancho Del Rey Middle School		RQ17017666	72	ea	Office-Stor PLUS Stacking Guest Chair With Arms, 33 1/4"H x 22 1/2"W x 24 1/4"D, Black/Blue Maze	\$41.54	\$2,990.88
539967	Apple Computer Inc.	Central Receiving	1	RQ17018085	3	EA	MacBook Pro 13-inch, Silver 065-C45M, Turbo Boost up to 3.1GHz	\$1,449.00	\$4,347.00
539967	Apple Computer Inc.	Central Receiving	2	RQ17018085	3	EA	AppleCare protection plan for MacBook/MacBook Air/13' MacBook Pro - Auto Enroll	\$183.00	\$549.00
539967	Apple Computer Inc.	Central Receiving	3	RQ17018085	3	EA	MacBook Pro 13-inch with touch bar 2.9GHz dual core i5, 256GB space gray	\$1,699.00	\$5,097.00
539967	Apple Computer Inc.	Central Receiving	4	RQ17018085	3	EA	AppleCare protection plan for MacBook/MacBook Air/13' MacBook Pro - Auto Enroll	\$183.00	\$549.00
539967	Apple Computer Inc.	Central Receiving	5	RQ17018085	6	EA	Absolute comptrace comp CPS ACAD POS 3Y	\$74.00	\$444.00
539967	Apple Computer Inc.	Central Receiving	6	RQ17018085	1	LOT	CA ELECTRONIC WASTE FEE	\$30.00	\$30.00
539968	Russell Sigler, Inc.	Maintenance	1	RQ17018089	1	ea	Model # 48VLNC600905 5 ton cooling 14 seer g puron yac 208/230-3-60 *1261 -0a: outside air intake hood * mitigation fee (4150)	\$4,165.00	\$4,165.00
539968	Russell Sigler, Inc.	Maintenance	2	RQ17018089	1	ea	model # 1-4020-4023 curb adaptor	\$0.00	\$0.00
539969	School Services Of California, Inc.	Legal Services Division	1	RQ17018003	1	ea	May Revision Workshop; Escondido California Center for the Arts; May 17, 2017	\$165.00	\$165.00
539970	Line Printing Company (The)	Bonita Vista High School	1	RQ17018081	1	ea	Door Name Plate NO holder; Walnut with white letters, double line, 2x10. Please use all uppercase letters; Line 1: ROMAN DEL ROSARIO, Ed.D.; Line 2: PRINCIPAL	\$13.75	\$13.75
539971	Design For Health Env Ed Ctr; Pacific Rim Div Inc.	Business Services	1	RQ17018069	1	lot	Registration fee for Eileen Bigornia to attend Hazardour Waste Operations Refresher Course. Class Date: 6/9/2017. Class starts at 1:00 pm	\$225.00	\$225.00
539972	Voice and Video	Central Receiving	1	RQ17015475	2	ea	SHURE WIRELESS HANDHELD MICROPHONE SYSTEM	\$599.00	\$1,198.00
539973	Broadway Typewriter Company Inc	Central Receiving	1	RQ17018075	1	ea	CQ890A, HET52024, HP T520 24" printer	\$1,374.71	\$1,374.71

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539973	Broadway Typewriter Company Inc	Central Receiving	3	RQ17018075	1	lot	U1W23E, HP Care Pack, 3yr warranty	\$136.00	\$136.00
539974	Datel Systems Inc.	Central Receiving	1	RQ17018061	1	ea	Epson PowerLite S27 3LCD Projector, 3yr Overnight Exchange Warranty	\$359.00	\$359.00
539975	CDW Government, Inc.	Central Receiving	2	RQ17017397	1	ea	Epson TM U220PB - receipt printer - two-color - dot-matrix	\$241.31	\$241.31
539975	CDW Government, Inc.	Central Receiving	3	RQ17017397	1	ea	Fellowes Powershred P-35C Cross-Cut Shredder	\$61.00	\$61.00
539975	CDW Government, Inc.	Central Receiving	5	RQ17017397	1	ea	AVerVision U70 - document camera	\$248.20	\$248.20
539975	CDW Government, Inc.	Central Receiving	6	RQ17017397	1	ea	Bretford Presentation Cart with 5' Casters and 6-Outlet Electrical	\$258.55	\$258.55
539975	CDW Government, Inc.	Central Receiving	7	RQ17017397	1	ea	HamiltonBuhl Venu100 - speaker - for PA system - wireless	\$649.36	\$649.36
539976	iDesign USA Corp.	Montgomery High School	1	RQ17016264	16	ea	Arduino Starter Kit (Model: K000007 USA/English)	\$85.00	\$1,360.00
539976	iDesign USA Corp.	Montgomery High School	2	RQ17016264	1	kit	Ozobot Classroom Kit (UPC CODE: OZO-050418USMPN: OZO-050418)	\$1,200.00	\$1,200.00
539977	South Bay Community Services	Student Support Services	1	RQ17016681	1	lot	Consultant, Provide intervention services as per Service Agreement between South Bay Community Services and the Sweetwater Union High School District, approved for the period: 7/1/2016 - 6/30/2017. Approved by the BOT on April 10, 2017, Item: H-3 per Karen Michel May 9, 2017	\$110,000.00	\$110,000.00
539978	Chula Vista Elementary School District	Student Support Services	1	RQ17016689	1	lot	Consultant, Provide intervention services as per Service Agreement between the Chula Vista Elementary School District and the Sweetwater Union High School District, approved for the period: 7/1/2016 - 06/30/2017. Approved by the BOT on April 10, 2017, Item: H-3, per Karen Michel May 15, 2017	\$130,000.00	\$130,000.00
539980	School Specialty, Inc.	Montgomery High School	1	RQ17017149	1	ea	LIGHT BOX LIGHT TRACE II	\$104.45	\$104.45
539980	School Specialty, Inc.	Montgomery High School	2	RQ17017149	2	ea	PAINT TRAY PLASTIC 10 WELLS	\$14.49	\$28.98
539980	School Specialty, Inc.	Montgomery High School	3	RQ17017149	1	ea	TOOLS CLAY MODELING	\$95.22	\$95.22
539980	School Specialty, Inc.	Montgomery High School	4	RQ17017149	20	ea	sax sketch diary w/perf	\$1.81	\$36.20
539980	School Specialty, Inc.	Montgomery High School	5	RQ17017149	1	ea	SOFT-KUT PRINTMAKING	\$81.57	\$81.57
539980	School Specialty, Inc.	Montgomery High School	6	RQ17017149	1	ea	PAINT ACRYLIC	\$30.87	\$30.87
539981	Graphic Design Marking Systems, Inc	Sweetwater High School	1	RQ17016942	5	EA	Marker set (no ink)	\$50.00	\$250.00

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539981	Graphic Design Marking Systems, Inc	Sweetwater High School	2	RQ17016942	2	EA	Cleaner (quart)	\$15.50	\$31.00
539981	Graphic Design Marking Systems, Inc	Sweetwater High School	3	RQ17016942	5	EA	Ink water based (quart) red	\$22.95	\$114.75
539981	Graphic Design Marking Systems, Inc	Sweetwater High School	4	RQ17016942	2	EA	Ink water based (quart) yellow	\$22.95	\$45.90
539981	Graphic Design Marking Systems, Inc	Sweetwater High School	5	RQ17016942	1	EA	Ink water based (quart) lime	\$22.95	\$22.95
539981	Graphic Design Marking Systems, Inc	Sweetwater High School	6	RQ17016942	1	EA	Ink water based (quart) sky blue	\$22.95	\$22.95
539981	Graphic Design Marking Systems, Inc	Sweetwater High School	7	RQ17016942	1	EA	Ink water based (quart) beige	\$22.95	\$22.95
539981	Graphic Design Marking Systems, Inc	Sweetwater High School	8	RQ17016942	1	EA	Ink water based (quart) gold	\$22.95	\$22.95
539981	Graphic Design Marking Systems, Inc	Sweetwater High School	9	RQ17016942	1	EA	Ink water based (quart) navy blue	\$22.95	\$22.95
539981	Graphic Design Marking Systems, Inc	Sweetwater High School	10	RQ17016942	1	EA	Marker Set Discount	-\$25.00	-\$25.00
539981	Graphic Design Marking Systems, Inc	Sweetwater High School	11	RQ17016942	1	EA	National City Sales Tax Adjustment 8.75%	\$2.66	\$2.66
539982	George's Lawn Equipment	Bonita Vista High School	1	RQ17018090	1	ea	23CC Line Trimmer	\$329.99	\$329.99
539983	Demco Inc.	Sweetwater High School	1	RQ17017740	2	ea	iTeach Mobile Power Tower	\$372.00	\$743.99
539983	Demco Inc.	Sweetwater High School	3	RQ17017740	2	ea	Big Joe Bean Bag Roma Chair 36 x 26 x 26' - Black	\$74.40	\$148.80
539983	Demco Inc.	Sweetwater High School	4	RQ17017740	2	ea	Big Joe Bean Bag Roma Chair 36 x 26 x 26' - Sapphire	\$74.40	\$148.80
539983	Demco Inc.	Sweetwater High School	5	RQ17017740	3	EA	Power Strip 8-Outlet Surge Suppressor w/ Timer	\$44.77	\$134.32
539983	Demco Inc.	Sweetwater High School	6	RQ17017740	1	LOT	Additional tax NC	\$10.40	\$10.40
539984	hand2mind, Inc.	Bonita Vista Middle School	1	RQ17018034	4	lot	POCKETLAB SHAKE TBL BUNDLE	\$199.95	\$799.80
539985	Rasix Computer Center, Inc.	Rancho Del Rey Middle School	1	RQ17018093	3	lot	HP 80A Balck print cartridge for HP LaserJet Pro 400 series HP#CF280a	\$76.00	\$228.00
539986	Smart & Final Stores Corporation	Athletic Support	1	RQ17016441	1	lot	Items needed for Athletic & Compliance Office Meetings to be purchased by Joe Heinz, Christine Crestik, or Rebecca Eguiza no later than June 30, 2017	\$300.00	\$300.00
539987	National Furniture Services	Bonita Vista High School	1	RQ17017851	1	ea	High back bonded leather executive chair with knee tilt brand	\$259.00	\$259.00
539988	Mathspace Inc	Castle Park Middle School	1	RQ17018023	1	lot	Qty 875, NAS160811, Mathspace Site License (50-600) Start Date 3-15-17 end date 6-30-18	\$10,250.00	\$10,250.00

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539989	United Parcel Service, Inc. (OH)	East Hills Academy	1	RQ17018092	1	lot	FREIGHT FOR THE RETURN SHIPPING OF PO538733 ON RETURN REFERENCE #SO-280200 Attn: Andrew Piland.	\$13.30	\$13.30
539990	Aleph Objects, Inc.	Central Receiving	1	RQ17018068	1	ea	KT-PR0035NA, 1,000 PCE per box.	\$1,187.50	\$1,187.50
539990	Aleph Objects, Inc.	Central Receiving	2	RQ17018068	1	ea	LulzBot Mini v1.0, Boxed for Retail. NA PP-FP0086, LulzBot Mini Enclosure by Printed Solid	\$142.50	\$142.50
539990	Aleph Objects, Inc.	Central Receiving	3	RQ17018068	5	ea	RM-PL103, Polylite PLA Teal. 2.85mm 250g. Reel - Polymaker	\$9.46	\$47.30
539990	Aleph Objects, Inc.	Central Receiving	4	RQ17018068	1	ea	DC-MS0053, LulzBot Give-Away Banner (Free)	\$0.00	\$0.00
539990	Aleph Objects, Inc.	Central Receiving	5	RQ17018068	1	lot	SV-WR0004, LulzBot Mini 2 Year Extended Warranty	\$272.70	\$272.70
539991	Infor (US), Inc.	Information Technology	1	RQ17018079	1	Yearly	Annual Lawson maintenance and support for the Human Resources Information System. Includes all software updates for the period of: 6/1/17 - 5/31/18.	\$155,786.12	\$155,786.12
539991	Infor (US), Inc.	Information Technology	2	RQ17018079	4	Users	Lawson System Foundation - Site -1	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	3	RQ17018079	8,500	Users	Human Resources Package - Site - 1	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	4	RQ17018079	8,500	Users	E Recruiting Product - Site - 1	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	5	RQ17018079	8,500	Users	No. American Payroll Package - Site - 1	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	6	RQ17018079	1	User	Design Studio - Site -1	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	7	RQ17018079	4	Users	ProcessFlow Integration - Site - 1	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	8	RQ17018079	1	User	NetExpress Compier - PRODUCTION - Site - 1	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	9	RQ17018079	30	Users	Lawson Business Intelligence - site - 1	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	10	RQ17018079	90	Users	NetExpress App Runtime - PRODUCTION - Site - 1	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	11	RQ17018079	8,500	Users	Employee & Manager Self-Serve - Site - 1	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	12	RQ17018079	10	Users	NetExpress App Runtime - PRODUCTION - Site - 71	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	13	RQ17018079	1	User	NetExpress Compiler - PRODUCTION - Site - 71	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	14	RQ17018079	10	Users	NetExpress App Runtime- PRODUCTION - Site - 91	\$0.00	\$0.00
539991	Infor (US), Inc.	Information Technology	15	RQ17018079	1	User	netExpress Compiler - PRODUCTION - Site - 91	\$0.00	\$0.00
539992	Terra Bella Nursery, Inc.	Olympian High School	1	RQ17018097	215	cubic yard	Premium decorative woods chips - brown	\$32.50	\$6,987.50
539993	KEEP I.T. EASY LLC	San Ysidro High School	1	RQ17017849	2	Ea	VEX Linear Motion Kit	\$24.99	\$49.98

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539993	KEEP I.T. EASY LLC	San Ysidro High School	2	RQ17017849	2	Ea	VEX Turntable Bearing Kit	\$19.99	\$39.98
539993	KEEP I.T. EASY LLC	San Ysidro High School	3	RQ17017849	6	Ea	VEX 2-Wire Motor 393	\$14.99	\$89.94
539993	KEEP I.T. EASY LLC	San Ysidro High School	4	RQ17017849	2	Ea	VEX Rubber Shaft Collar (30 pack)	\$5.99	\$11.98
539993	KEEP I.T. EASY LLC	San Ysidro High School	5	RQ17017849	2	Ea	VEX Aluminim C-Channel 1x3x1x35 (6-pack)	\$37.99	\$75.98
539993	KEEP I.T. EASY LLC	San Ysidro High School	6	RQ17017849	2	Ea	VEX Aluminum C-Channel 1x5x1x35 (6-pack)	\$44.99	\$89.98
539993	KEEP I.T. EASY LLC	San Ysidro High School	7	RQ17017849	1	Ea	VEX Hinge (2-pack)	\$9.99	\$9.99
539993	KEEP I.T. EASY LLC	San Ysidro High School	8	RQ17017849	2	Ea	VEX Drive Sharft 12' (4-pack)	\$8.96	\$17.92
539994	Demco Inc.	Bonita Vista Middle School	1	RQ17017685	1	EA	Create a Space Bundle	\$52.25	\$52.25
539994	Demco Inc.	Bonita Vista Middle School	2	RQ17017685	1	EA	Kensington Smart Socket Surge Protectors	\$41.85	\$41.85
539994	Demco Inc.	Bonita Vista Middle School	3	RQ17017685	1	EA	Summer Die Cut Bookmarks	\$8.55	\$8.55
539994	Demco Inc.	Bonita Vista Middle School	4	RQ17017685	1	EA	MAKERS GONNA MAKE t-SHIRT (LARGE) - BLACK	\$14.72	\$14.72
539994	Demco Inc.	Bonita Vista Middle School	5	RQ17017685	2	EA	HAMILTON 3D VIRTUAL REALITY GLASSES	\$13.95	\$27.89
539994	Demco Inc.	Bonita Vista Middle School	6	RQ17017685	1	EA	BOOMBLOX CARPET (TEAL)	\$125.55	\$125.55
539995	CDW Government, Inc.	Hilltop Middle School	1	RQ17018016	3	ea	Belkin 330 V12 Outlet 10' Cord Surge Protector	\$27.18	\$81.54
539995	CDW Government, Inc.	Hilltop Middle School	2	RQ17018016	3	ea	Tripp Lite Surge Protector Strip 120V 7 Outlet 25' Cord 1080 Joules. HTM Contact: Francisco Briseno	\$24.18	\$72.54
539996	Scantron Corporation	Bonita Vista High School	1	RQ17018094	30	ea	Scantron Form - 100 question	\$61.20	\$1,836.00
539997	B&H Photo	Montgomery Middle School	1	RQ17018059	1	ea	Monster Roking Roller MINI - Black/reg	\$137.15	\$137.15
539997	B&H Photo	Montgomery Middle School	2	RQ17018059	1	ea	Monster Rocking Roller 2 Portbl Wireless spkr/reg	\$176.35	\$176.35
539997	B&H Photo	Montgomery Middle School	3	RQ17018059	2	ea	Ion spectraboom/reg	\$123.89	\$247.78
539998	Sport Supply Group, Inc.	Athletic Support	1	RQ17017930	6	ea	Black, Steel sized per quote	\$36.00	\$216.00
539998	Sport Supply Group, Inc.	Athletic Support	2	RQ17017930	1	ea	White Steel Size xlg	\$36.00	\$36.00
539998	Sport Supply Group, Inc.	Athletic Support	3	RQ17017930	2	ea	Midnight Steel sizes per quote	\$36.00	\$72.00
539998	Sport Supply Group, Inc.	Athletic Support	4	RQ17017930	3	ea	Bk/Bk He-1/2 Zip Shield top sizes per quote	\$51.00	\$153.00
539998	Sport Supply Group, Inc.	Athletic Support	5	RQ17017930	1	ea	Gry/Char Full Zip Shield Jacket Size SLG	\$54.00	\$54.00
539998	Sport Supply Group, Inc.	Athletic Support	6	RQ17017930	1	ea	Graphite, White Womans Size XXL	\$30.00	\$30.00
539998	Sport Supply Group, Inc.	Athletic Support	7	RQ17017930	1	ea	Midnight Navy White Wmns Storm Armour Size xlg	\$36.00	\$36.00

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539998	Sport Supply Group, Inc.	Athletic Support	8	RQ17017930	1	ea	Midnight Navy, Stell Triumph Cage Jacket Size xxl	\$36.00	\$36.00
539998	Sport Supply Group, Inc.	Athletic Support	9	RQ17017930	1	ea	Graphite, White Metallic Silver Stripe Size xlg	\$27.00	\$27.00
539998	Sport Supply Group, Inc.	Athletic Support	10	RQ17017930	1	ea	Univ Red;Dri-fit 1/2 xip Size xlg	\$48.00	\$48.00
539998	Sport Supply Group, Inc.	Athletic Support	11	RQ17017930	2	ea	Black Steel Steel-Womans Squad woven sizes per quote	\$36.00	\$72.00
539998	Sport Supply Group, Inc.	Athletic Support	12	RQ17017930	1	ea	Navy/Blk Textured 1/2 Zip top size 3XL	\$45.00	\$45.00
539999	National Recognition Products of Southern	San Ysidro High School	1	RQ17016921	245	Ea	Cap & Gown Units	\$22.75	\$5,573.75
539999	National Recognition Products of Southern	San Ysidro High School	2	RQ17016921	500	Ea	SYHS Custom Diplomas	\$4.75	\$2,375.00
539999	National Recognition Products of Southern	San Ysidro High School	3	RQ17016921	20	Ea	Blank Diplomas	\$3.50	\$70.00
540000	San Diego Graduate Supply	Southwest High School	1	RQ17017558	232	ea	Cap and Gown Cleaning- Red and White	\$7.50	\$1,740.00
540000	San Diego Graduate Supply	Southwest High School	2	RQ17017558	174	ea	Replace Missing Tassels	\$4.50	\$783.00
540001	San Diego Graduate Supply	Southwest High School	1	RQ17017828	113	each	Diplomas for Loaner cap and gowns	\$1.75	\$197.75
540001	San Diego Graduate Supply	Southwest High School	2	RQ17017828	113	each	Diploma Covers for Loaner cap and gowns	\$3.55	\$401.15
540002	San Diego Graduate Supply	Bonita Vista High School	1	RQ17017568	172	ea	Cap and gown Cleaning, Re Packag, Store and re Issue...	\$7.50	\$1,290.00
540003	Hunter, Ross	Duplicating	1	RQ17018095	1	lot	Provide emergency service for Standard Horizon (booklet maker), Serial #383002 SPF-200A	\$375.00	\$375.00
540004	Paper Direct, Inc.	Options Secondary School	1	RQ17017251	4	ea	4 Rims of Blue Astroparche Parchment Cover Stock #RC5021	\$13.99	\$55.96
540005	Tree House, Inc. (The)	Olympian High School	1	RQ17018098	6	ea	HP 42X, Black original toner cartridge HP #RTHP42X - COMPATIBLE Q5942X	\$36.00	\$216.00
540006	William V. MacGill & Co.	Bonita Vista Middle School	1	RQ17017436	1	ea	1x3 Curad Bandages	\$27.55	\$27.55
540006	William V. MacGill & Co.	Bonita Vista Middle School	2	RQ17017436	10	ea	2x4 bandages	\$3.79	\$37.90
540006	William V. MacGill & Co.	Bonita Vista Middle School	3	RQ17017436	5	ea	1.625x4 bandages	\$4.27	\$21.35
540006	William V. MacGill & Co.	Bonita Vista Middle School	4	RQ17017436	5	ea	Always w/ Wings	\$10.93	\$54.65
540006	William V. MacGill & Co.	Bonita Vista Middle School	5	RQ17017436	5	ea	4x4 gauze sponges	\$5.99	\$29.95

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540006	William V. MacGill & Co.	Bonita Vista Middle School	6	RQ17017436	5	ea	Gauze Roll	\$1.13	\$5.65
540006	William V. MacGill & Co.	Bonita Vista Middle School	7	RQ17017436	10	ea	BZK Antiseptic Towlettes	\$3.79	\$37.90
540006	William V. MacGill & Co.	Bonita Vista Middle School	8	RQ17017436	5	ea	High Five Gloves, Med	\$10.83	\$54.15
540006	William V. MacGill & Co.	Bonita Vista Middle School	9	RQ17017436	2	ea	High Five Gloves, Lrg	\$10.83	\$21.66
540006	William V. MacGill & Co.	Bonita Vista Middle School	10	RQ17017436	10	ea	economy zipper seal bags	\$3.02	\$30.20
540006	William V. MacGill & Co.	Bonita Vista Middle School	11	RQ17017436	3	eae	Regular Strength Tylenol	\$8.07	\$24.21
540006	William V. MacGill & Co.	Bonita Vista Middle School	12	RQ17017436	2	ea	ibuprofen	\$11.86	\$23.72
540006	William V. MacGill & Co.	Bonita Vista Middle School	13	RQ17017436	2	ea	Kleenex	\$77.90	\$155.80
540006	William V. MacGill & Co.	Bonita Vista Middle School	14	RQ17017436	4	ea	Halls Cough Drop-Cherry	\$2.04	\$8.16
540006	William V. MacGill & Co.	Bonita Vista Middle School	15	RQ17017436	2	ea	Halls Cough Drop-Honey	\$2.04	\$4.08
540006	William V. MacGill & Co.	Bonita Vista Middle School	16	RQ17017436	2	ea	Sanizide Wipes	\$7.84	\$15.68
540006	William V. MacGill & Co.	Bonita Vista Middle School	17	RQ17017436	2	ea	Citrus II Wipes	\$13.29	\$26.58
540007	Ninyo & Moore	Planning & Facilities	1	RQ17018073	1	lot	The scope of work will be to provide geotechnical, special inspection and material testing services for the Southwest High School Modular Classroom Building Replacement project, Bid No. 67-2618-JQ. Per Proposal No. P02-00916 dated April 14, 2017.	\$4,444.00	\$4,444.00
540007	Ninyo & Moore	Planning & Facilities	2	RQ17018073	1	.	Approved by the Board of Trustees on May 8, 2017. Item M-2.	\$0.00	\$0.00
540007	Ninyo & Moore	Planning & Facilities	3	RQ17018073	1	lot	BRBBW, DZ 9 White Dimpled Baseball	\$0.00	\$0.00
540008	Memphis Net & Twine Co. Inc.	Chula Vista Middle School	11	RQ17018062	4	ea	BOWBD, Bownet Big Daddy Portable Blacktop	\$46.50	\$186.00
540008	Memphis Net & Twine Co. Inc.	Chula Vista Middle School	12	RQ17018062	1	ea	PEARL, DZ Leather Baseballs, White	\$1,500.00	\$1,500.00
540008	Memphis Net & Twine Co. Inc.	Chula Vista Middle School	13	RQ17018062	2	ea		\$77.00	\$154.00
540008	Memphis Net & Twine Co. Inc.	Chula Vista Middle School	14	RQ17018062	1	ea	PMPRO6, Promound 4' red Clay	\$926.00	\$926.00
540008	Memphis Net & Twine Co. Inc.	Chula Vista Middle School	15	RQ17018062	2	ea	DRAGMP, Steel Flex Drag Mop	\$106.00	\$212.00

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540009	International Baccalaureate Organization NA, Inc	Finance	1	RQ17018091	1	Lot	2016/2017 IB Exam Fees	\$13,914.00	\$13,914.00
540010	Troxell Communications, Inc.	Hilltop Middle School	1	RQ17017859	2	ea	Per PERSR560M, Smartmount Universal Cart for 32-60IN FL	\$520.00	\$1,040.00
540011	Multi Service Technology Solutions, Inc.	Central Receiving	2	RQ17015337	1	Each	BB19587339, Insignia TTL External flash for canon black	\$48.99	\$48.99
540011	Multi Service Technology Solutions, Inc.	Central Receiving	3	RQ17015337	1	Each	BB19587358, Insignia studio flash kit	\$99.99	\$99.99
540011	Multi Service Technology Solutions, Inc.	Central Receiving	4	RQ17015337	1	Each	BB19828245, RPS studio 280W dual square softbox kit	\$279.99	\$279.99
540011	Multi Service Technology Solutions, Inc.	Central Receiving	6	RQ17015337	1	Each	BB19440250, SanDisk - Ultra Plus 32GB SDHC class 10 UHS - 1 memory card - black/gray/red	\$19.99	\$19.99
540011	Multi Service Technology Solutions, Inc.	Central Receiving	7	RQ17015337	1	Each	BB19974362, Canon EOS Rebel T6 DSLR camera with EF-S 18-55mm f/3.5 - 5.6 IS II lens	\$449.99	\$449.99
540011	Multi Service Technology Solutions, Inc.	Central Receiving	8	RQ17015337	1	Each	BB20469616, Canon - EF 50mm f/1.8 STM standard lens and EF - S 10-18mm F4.5 - 5.6 IS STM Ultra-wide zoom lens kit	\$319.99	\$319.99
540011	Multi Service Technology Solutions, Inc.	Central Receiving	9	RQ17015337	1	Each	BB11042792, Canon - EF 100mm f/2.8L macro IS USM lens - black	\$749.99	\$749.99
540011	Multi Service Technology Solutions, Inc.	Central Receiving	10	RQ17015337	1	Each	BB19965884, Tamron SP 150-600mm f/5-6.3 Di VC USD telephoto zoom lens for Canon - black	\$899.99	\$899.99
540012	Broadway Typewriter Company Inc	Information Technology	1	RQ17018107	1	Lot	Approved service, to be performed by: Broadway Typewriter Company Inc. DBA: Arey Jones Educational Soluction, for 30,000 existing student devices (iPads and Lenovo laptops) for configuration, preparation, and redistribution for use by students in the 2017-2018 school year. Professional Services approve under Board Item # F.-6 on April 24, 2017.	\$525,000.00	\$525,000.00

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540012	Broadway Typewriter Company Inc	Information Technology	2	RQ17018107	1	Project	<p>New iPad Provisions - Summer 2017 - Arey Jones will pick up iPads from the SUHSD warehouse and transport them to the local Arey Jones configuration center. Once provisioning and encasement services are completed Arey Jones will deliver the iPads back to designated SUHSD sites according to the master listing. Once devices arrive at Arey Jones' configuration center each iPad will be removed from its packaging and physically inspected. Cases will also be inspected for damage or manufacturing defects during this process. Each device will be asset tagged and and asset data will be collected in accordance with Arey Jones existing asset data collection procedures for SUHSD. Each device will have the latest version of iOS loaded using Apple Configurator 2. The iPad will then be enrolled in the District's MDM using Apple's Device Enrollment Program (DEP). The device enrollment will be performed with the accounts supplied by the district. The iPad will be connected to Arey Jones' local network via Ethernet rigs to ensure that DEP MDM enrollment process completes successfully in our configuration center. Once DEP MDM enrollment has completed Arey Jones' technicians will ensure that the two (2) SUHSD required apps (Absolute and School Connect) are installed and power off the iPad. Once configuration has been completed each iPad will be placed in a new case and selected asset data will be collected for reporting purposes and the iPad will be sorted, palletized and delivered in batches per the master listing provided by SUHSD. The pricing presented below is per device for an unrestricted quantity of iPad devices. \$13.50 per device.</p>	\$0.00	\$0.00

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<u>PO NUM</u>	<u>VENDOR</u>	<u>SITE</u>	<u>LINE</u>	<u>REQ NUM</u>	<u>QTY</u>	<u>ISS</u>	<u>DESCRIPTION</u>	<u>UNITCOST</u>	<u>TOTALCOST</u>
540012	Broadway Typewriter Company Inc	Information Technology	4	RQ17018107	1	Project	iPad Refresh Project 2017 - Arey Jones will pick up iPads from designated SUHSD sites and transport them to the local Arey Jones configuration center. Once cleaning, configuration and refresh services are completed Arey Jones will re-deliver the iPads back to designated SUHSD sites according to the master listing. Once devices arrive at Arey Jones' configuration center each iPad will be removed from its case and physically cleaned. Cases will also be physically cleaned at this time. Any devices with missing asset tags will be noted and replaced with new tags. Each device will be wiped and have the latest version of iOS loaded using Apple Configurator 2. The iPad will then be enrolled in the District's MDM using Apple's Device Enrollment Program (DEP). The device enrollment will be performed with the accounts supplied by the district. The iPad will be connected to Arey Jones's local network via Ethernet rigs to ensure that DEP MDM enrollment process completes successfully in our configuration center. Once DEP MDM enrollment has completed Arey Jones' technicians will ensure that the two (2) SUHSD required apps (Absolute and School Connect) and power off the iPad. The pricing presented below is per device for an unrestricted quantity of iPad devices. - \$16.50 per device	\$0.00	\$0.00
540013	San Diego County Superintendent of Schools	Planning & Facilities	1	RQ17018103	1	Lot	Seventh Project Agreement with San Diego County Superintendent of Schools (SDCSS) to provide project management support and project planning facilitation services to assist in the completion of the Proposition 39 energy savings fund. Provide labor and material for the removal and haul away of 1200 ft existing 12' high chain link fencing and gates at Hilltop Middle School for District Wide HVAC Staging Area. Per quote dated 5/9/17	\$117,200.00	\$117,200.00
540014	GB's Fence Company	Planning & Facilities	1	RQ17018102	1	lot		\$2,200.00	\$2,200.00

Purchase Order Listing Detail

<u>PO NUM</u>	<u>VENDOR</u>	<u>SITE</u>	<u>LINE</u>	<u>REQ NUM</u>	<u>QTY</u>	<u>ISS</u>	<u>DESCRIPTION</u>	<u>UNITCOST</u>	<u>TOTALCOST</u>
540014	GB's Fence Company	Planning & Facilities	2	RQ17018102	1	lot	Provide labor and material for the removal and haul away of 1200 ft existing 12' high chain link fencing and gates at Mar Vista Academy for District Wide HVAC Staging Area. Per quote dated 5/22/17	\$2,200.00	\$2,200.00
540015	Construction Quality Assurance Group, LLC	Planning & Facilities	1	RQ17018101	1	lot	The scope of the work will be to provide Inspector of Record services for the Southwest High School Modular Classroom Building Replacement, Bid No. 67-2618-JQ. Per Proposal dated May 2, 2017.	\$33,150.00	\$33,150.00
540015	Construction Quality Assurance Group, LLC	Planning & Facilities	2	RQ17018101	1	lot		\$0.00	\$0.00
540015	Construction Quality Assurance Group, LLC	Planning & Facilities	3	RQ17018101	1	lot	Approved by the Board of Trustees on May 22, 2017, Item M-2.	\$0.00	\$0.00
540016	Glass Company, Inc. (The)	Maintenance	1	RQ17018108	1	job	Provide material and labor to remove and install a new window for San Ysidro High School; science room (cracked window security/safety issue).	\$918.88	\$918.88
540017	Blue Horse Service inc	Athletic Support	1	RQ17017948	1	ea	Metro Conference Swim Championship live podcast on May 6, 2017	\$600.00	\$600.00
540017	Blue Horse Service inc	Athletic Support	2	RQ17017948	1	ea	Metro Conference Track & Field Championships live podcast on May 11, 2017	\$600.00	\$600.00
540018	Dion International Trucks LLC	Transportation	1	RQ17018099	1	lot	Labor: to remove and replace Allison MD3060/CR 5 Speed Automatic Transmission. Customer to supply transmission	\$2,935.30	\$2,935.30
540018	Dion International Trucks LLC	Transportation	2	RQ17018099	1	lot	Total parts	\$960.91	\$960.91
540018	Dion International Trucks LLC	Transportation	3	RQ17018099	1	lot	Total miscellaneous	\$195.12	\$195.12
540019	V.A.D. Enterprises, Inc.	Transportation	1	RQ17018100	1	ea	Cooling System	\$638.67	\$638.67
540020	Southwestern College	Student Support Services	1	RQ17017901	1	lot	Annual for Rental of Facility/Venue Use for Middle/Junior/High School Graduations/Promotions for the 2016-17 school year. Dates as follows: 5/30/17: 9:00 am, 1:00 pm & 6:00 pm; 5/31/17: 9:00 am, 1:00 pm & 6:00 pm; 6/1/17: 9:00 am, 1:00 pm & 6:00 pm; 6/2/17: 9:00 am, 1:00 pm & 6:00 pm. As per agreement #29.199 approved by Dr. Karen Janney 5/24/17	\$73,880.00	\$73,880.00

Purchase Order Listing Detail

<u>PO NUM</u>	<u>VENDOR</u>	<u>SITE</u>	<u>LINE</u>	<u>REQ NUM</u>	<u>QTY</u>	<u>ISS</u>	<u>DESCRIPTION</u>	<u>UNITCOST</u>	<u>TOTALCOST</u>
540021	City of San Diego	Student Support Services	1	RQ17013981	1	lot	AGREEMENT BETWEEN SWEETWATER UNION HIGH SCHOOL DISTRICT AND THE CITY OF SAN DIEGO POLICE DEPARTMENT FOR THE 2016-17 SCHOOL YEAR PER AGREEMENT SIGNED BY KAREN MICHEL 4/17/17 APPROVAL BY THE BOARD OF TRUSTEES ON MARCH 13, 2017, AGENDA ITEM:H-2.	\$100,000.00	\$100,000.00
540023	72 Hour LLC	CTE (formerly ROP)	1	RQ17016176	1	ea	2017 Ford Escape, Titanium FWD, Stock Unit #6962R	\$30,208.78	\$30,208.78
540023	72 Hour LLC	CTE (formerly ROP)	2	RQ17016176	1	lot	Freight	\$130.00	\$130.00
540023	72 Hour LLC	CTE (formerly ROP)	3	RQ17016176	1	lot	CA Tire Fee	\$8.75	\$8.75
540024	Pitney Bowes Inc.	Administration	1	RQ17000193	2	ea	Connect+Mono Printer (Serial#0009267)	\$145.86	\$291.72
540024	Pitney Bowes Inc.	Administration	2	RQ17000193	2	ea	Connect+3000WOW Feeder (Serial#0003909)	\$1,071.48	\$2,142.96
540024	Pitney Bowes Inc.	Administration	3	RQ17000193	2	ea	Connect+Power Stacker (Serial#0004387)	\$165.00	\$330.00
540024	Pitney Bowes Inc.	Administration	4	RQ17000193	2	ea	Laser Printer Brother (Serial#0006596)	\$81.48	\$162.96
540024	Pitney Bowes Inc.	Administration	5	RQ17000193	4	ea	Connect+Mono Printer (Serial#0009267)	\$342.00	\$1,368.00
540025	Aristotle Corporation	Castle Park Middle School	1	RQ17018022	5	ea	Patty papers	\$7.50	\$37.50
540026	Aristotle Corporation	Castle Park Middle School	1	RQ17018019	25	ea	Make it fun: Project bricks kit-295 pieces.	\$19.16	\$479.00
540027	QuadQuestions LLC	Sweetwater High School	1	RQ17016967	3	EA	QQ130 carbon racing drone frame	\$34.99	\$104.97
540027	QuadQuestions LLC	Sweetwater High School	2	RQ17016967	12	EA	motors:Emax 1306 400kv	\$18.00	\$216.00
540027	QuadQuestions LLC	Sweetwater High School	3	RQ17016967	12	EA	Wraith32 - 32bit 35A BLHeli_32 ESC DSHOT1200	\$16.99	\$203.88
540027	QuadQuestions LLC	Sweetwater High School	4	RQ17016967	3	EA	Colibri flight controller	\$35.96	\$107.88
540027	QuadQuestions LLC	Sweetwater High School	5	RQ17016967	3	EA	TBS diag esc board	\$5.95	\$17.85
540027	QuadQuestions LLC	Sweetwater High School	6	RQ17016967	3	EA	TBS powercube FPVision OSD & Vtx	\$94.95	\$284.85
540027	QuadQuestions LLC	Sweetwater High School	7	RQ17016967	3	EA	QQmicrocam	\$26.99	\$80.97
540027	QuadQuestions LLC	Sweetwater High School	8	RQ17016967	3	EA	QQ microcam housing	\$4.49	\$13.47
540027	QuadQuestions LLC	Sweetwater High School	9	RQ17016967	3	EA	Battery straps - FREE ITEM	\$0.00	\$0.00
540027	QuadQuestions LLC	Sweetwater High School	10	RQ17016967	6	EA	3040 white rotor-X propellers set of 4	\$3.49	\$20.94
540027	QuadQuestions LLC	Sweetwater High School	11	RQ17016967	2	EA	TBS triumph stub RHCP SMA FPV antenna sets	\$39.95	\$79.90
540027	QuadQuestions LLC	Sweetwater High School	12	RQ17016967	3	EA	TBS tango FPV remote transmitter with FPV display and upgraded battery	\$278.95	\$836.85

Purchase Order Listing Detail

<u>PO NUM</u>	<u>VENDOR</u>	<u>SITE</u>	<u>LINE</u>	<u>REQ NUM</u>	<u>QTY</u>	<u>ISS</u>	<u>DESCRIPTION</u>	<u>UNITCOST</u>	<u>TOTALCOST</u>
540027	QuadQuestions LLC	Sweetwater High School	13	RQ17016967	3	EA	Frsky XSR receiver module	\$29.99	\$89.97
540027	QuadQuestions LLC	Sweetwater High School	14	RQ17016967	3	EA	Frsky XJT transmitter module	\$39.99	\$119.97
540027	QuadQuestions LLC	Sweetwater High School	15	RQ17016967	6	EA	Tattu 1050mAh 4S1 P Lipo battery	\$21.00	\$126.00
540027	QuadQuestions LLC	Sweetwater High School	16	RQ17016967	3	EA	TBS battery charger & balancer 50W/4A	\$34.95	\$104.85
540027	QuadQuestions LLC	Sweetwater High School	17	RQ17016967	1	EA	Education Discount 10% off. Free Shipping Via Fedex ground	-\$233.52	-\$233.52
540028	Educational Testing Services	Chula Vista Adult School	1	RQ17018110	55	ea	HISSET CBT STATE FEE	\$20.00	\$1,100.00
540028	Educational Testing Services	Chula Vista Adult School	2	RQ17018110	367	EA	HISSET CBT SUBTEST FEE	\$10.00	\$3,670.00
540028	Educational Testing Services	Chula Vista Adult School	3	RQ17018110	16	EA	HISSET PBT STATE FEE	\$20.00	\$320.00
540028	Educational Testing Services	Chula Vista Adult School	4	RQ17018110	66	EA	HISSET PBT SUBTEST FEE	\$10.00	\$660.00
540029	Waxie's Enterprises, Inc.	Castle Park High School	1	RQ17017510	1	lot	Duplicate order shipped from original RQ17013776. Site wants to keep and pay for the duplicate order.	\$161.88	\$161.88
540030	Mayer Reprographics	Planning & Facilities	1	RQ17018114	1	lot	Provide printing and reprographic services for the Chula Vista High School Relocatables 2017 - 2018 project.	\$1,000.00	\$1,000.00
540031	WestEd	Leadership Development & Systems Innovation	1	RQ17017463	1	lot	Consultant - Board Approved on May 8, 2017, G-6: MOU with WestEd for the purpose of equipping teachers to effectively support English Learners through professional developing in the Quality Teaching for English Learners (QTEL) program. The MOU terminates on November 30, 2017.	\$80,000.00	\$80,000.00
540032	A-Z Bus Sales, Inc.	Transportation	1	RQ17018113	1	ea	Pump, W/PFD, 40CC, Cat 3126 (power steering pump)	\$1,132.61	\$1,132.61
540033	City Of Chula Vista	Special Services	1	RQ17016352	4	hours	Police escort for Ride For Autism - Special SERVICES Event on April 29, 2017. Written estimate dated 3/10/2017 #CV4/29/17	\$84.70	\$338.80
540033	City Of Chula Vista	Special Services	2	RQ17016352	4	hours	provided as back-up for this requisition. Police escort for Ride For Autism - Special SERVICES Event on April 29, 2017. Written estimate dated 3/10/2017 #CV4/29/17 provided as back-up for this requisition.	\$73.63	\$294.52

Purchase Order Listing Detail

<u>PO NUM</u>	<u>VENDOR</u>	<u>SITE</u>	<u>LINE</u>	<u>REQ NUM</u>	<u>QTY</u>	<u>ISS</u>	<u>DESCRIPTION</u>	<u>UNITCOST</u>	<u>TOTALCOST</u>
540033	City Of Chula Vista	Special Services	3	RQ17016352	16	ea	4 officers @ 4 hours each. Police escort for Ride For Autism - Special Services Event on April 29, 2017. Written estimate dated 3/10/2017 #CV4/29/17 provided as back-up for this requisition.	\$66.87	\$1,069.92
540034	Peterson's Nelnet, LLC	State & Federal Programs	1	RQ17017621	1	LOT	Consultant Peterson's Nelnet, LLC, dba Peterson's Velocity will provide a professional development workshop on May 16, 2017 to Educators of St. Rose of Lima School, St. Pius X School, St. Charles Catholic School and Our Lady of Mt. Carmel School. The workshop will include STEAM Implementation. The presentation will provide participants with practical strategies to implement a STEAM program at their site. The participants will be able to ask questions of other educators in the field who created a STEAM program from concept to execution. The participants will be given the tools that will support student learning in the areas of Science, Technology, Engineering, Art and Math (STEAM) curriculum and ideas for easy-to-do classroom-based and student-driven projects. The participants will receive an outline of roles and responsibilities of a successful STEAM team and will have time to reflect on how they will be able to bring their STEAM dream back to their local school.	\$12,000.00	\$12,000.00
540035	Law Offices of Matthew B. Golding, A.P.C.	Legal Services Division	1	RQ17018112	1	LOT	Reimbursement of Attorney's Fees for OAH Case #216080950 & #2016090871 signed by Ron Lopez, Director of Special Services on 5/23/17. Signatory authority approved by BOT on 6/13/16, Reso #2495	\$49,884.55	\$49,884.55
540036	ActionTec Electronics, Inc	Central Receiving	1	RQ17018118	2	Each	SB1200U02 ScreenBeam 1200	\$679.99	\$1,359.98
540037	Microbric, LLC	Castle Park High School	1	RQ17016455	1	Pack	Edison V2.0 Robot EdPack20	\$699.00	\$699.00
540038	3QC, Inc	Planning & Facilities	1	RQ17018121	1	lot	Provide Commissioning Services for the District Wide HVAC Project. Per proposal dated April 7, 2017	\$25,150.00	\$25,150.00
5811710	Everything Medical, LLC	Central Receiving	1	RQ17016782	30	Case	Wipes, Baby unscented, non-toxic, Huggies or equal PDI P38-132EO, PDI #P38-233XT-12/pks per case. #D22-4340	\$21.48	\$644.40

Purchase Order Listing Detail

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5811711	Cummings, Sara	Central Receiving	1	RQ17016784	36	BTL	Hygiene, Spray-Periwash, 8oz (12 btl/cs) NDC11701-009-05, (Non Bid) #C1453	\$6.25	\$225.00
5811712	Moore Medical LLC	Central Receiving	1	RQ17016786	100	Box	Gloves, vinyl non-latex disposable, ambidextrous, unpowdered, 100/Box- Small	\$2.45	\$245.00
5811713	Moore Medical LLC	Central Receiving	1	RQ17016792	300	Box	#S20-202111, 77104 Small Gloves, vinyl non latex disposable, ambidextrous, unpowered, - Large,#77106	\$2.45	\$735.00
5811714	Moore Medical LLC	Central Receiving	1	RQ17016793	300	Box	100/Box Gloves, vinyl non-latex disposable, ambidextrous, unpowdered- 100/Box,	\$2.45	\$735.00
5811715	SW School Supply Inc.	Central Receiving	1	RQ17016796	216	PAD	Medium, #S20-202112, 77105 Mdium PAPER,GRAPH, 8 1/2 X 11, WHITE, 50 SHEETS/PAD, PK/6, TOPS OD 99476, SOUTHWEST 59804EA OR EQUAL, BID	\$0.58	\$125.28
5811716	SW School Supply Inc.	Central Receiving	1	RQ17017390	300	RM	#1415-101OS PAPER,FILLER,RULED,3 HOLE PUNCHED,8-1/2 X 11, 11, Apego SP-500CR, Southwest RB811FC, or equal,	\$2.36	\$708.00
5811717	Office Depot	Central Receiving	1	RQ17017394	30	Pad	NCEPC BID#16-17-0S PAPER, GRAPH, 8 1/2 X 11, WHITE, 3 WHOLE DRILLED, 6/PKG, 50 SHEETS/PAD, TOPS OFFICE DEPOT # 533840, SOUTHWEST 59804EA, OR	\$2.82	\$84.60
5811718	Office Depot	Central Receiving	1	RQ17017941	840	CS	EQUAL, BID# 16-17-OS PAPER, XEROX, 8-1/2 X 11, WHITE, 20#, #4, PREMIUM PAPER,DOMTAR, NCEPC BID#2017-114	\$23.46	\$19,706.40
5811719	Kelly Paper Co.	Central Receiving	1	RQ17017943	40	CS	PAPER,BOND,8.5X11,HIGH SPEED XEROGRAPHIC, 20#, NO# 4- GOLDENROD, OR XEROGRAPHIC BOND- NCEPC BID # 2017-114	\$36.30	\$1,452.00
5811720	Office Depot	Central Receiving	1	RQ17017944	300	DZ	Pencil, Testing, # 2, Pre-sharpened, w/eraser, Rally Staedtler #9122 Pencils, Blue/White, OD #960155, BID# 1415-101OS	\$1.20	\$360.00
SF783112	California Landscape & Design Inc	Planning & Facilities	1	RQ17015025	1	LOT	Provide all necessary materials, equipment, and labor for Artificial Track and Field Improvements project at Hilltop High School Bid #56-2567-TC.	\$2,649,000.00	\$2,649,000.00
SF783128	San Diego County Superintendent of Schools	Planning & Facilities	1	RQ17016466	1	Lot	Annual fee for 4 additional Account-Ability licenses, as well as training and support administered through the San Diego County Office of Education.	\$7,360.00	\$7,360.00

Purchase Order Listing Detail

<u>PO NUM</u>	<u>VENDOR</u>	<u>SITE</u>	<u>LINE</u>	<u>REQ NUM</u>	<u>QTY</u>	<u>ISS</u>	<u>DESCRIPTION</u>	<u>UNITCOST</u>	<u>TOTALCOST</u>
SF783129	State of California	Planning & Facilities	1	RQ17016347	1	lot	Structural Further/CCD Fee	\$1,698.52	\$1,698.52
SF783129	State of California	Planning & Facilities	2	RQ17016347	1	lot	FLS Further/CCD Fee	\$532.51	\$532.51
SF783129	State of California	Planning & Facilities	3	RQ17016347	1	lot	Access Further/CCD Fee	\$1,097.80	\$1,097.80
SF783130	Lawton Printing Inc.	Planning & Facilities	1	RQ17017115	10	Lot	NaviTABS #S278 - Rite-On Tabs, Book, 6 sheets/144 tabs	\$14.00	\$140.00
SF783131	C. W. Driver	Planning & Facilities	1	RQ17017982	1	lot	Provide Design Build services for the District Wide HVAC Project, RFP #67-2580-LB.	\$32,949,742.00	\$32,949,742.00
SF783132	Quality Fence Co., Inc.	Planning & Facilities	1	RQ17017990	1	lot	This amount is for Retention Only. Purchase Order SF782426 did not rolled over.	\$1,387.05	\$1,387.05
SF783132	Quality Fence Co., Inc.	Planning & Facilities	2	RQ17017990	1	lot	Install electric gates and fencing at Mar Vista High School - Electric Gates & Fencing, Bid No. 34-2426-GP. (PO SF782426 was set up for \$27,741.00 which did not get rolled over to payout retention.)	\$0.00	\$0.00
SF783133	Parkabike Inc.	Sweetwater High School	1	RQ17017998	4	each	SM10X Skateboard Dock, Surface Mount, 10 Boards, Silver Duraplas Coated with top and hardware	\$1,150.00	\$4,600.00
SF783133	Parkabike Inc.	Sweetwater High School	2	RQ17017998	8	each	SP12 Asphalt anchor with stainless cap screw, grout package included, pack of 2	\$41.00	\$328.00
SF783133	Parkabike Inc.	Sweetwater High School	3	RQ17017998	1	lot	Shipping	\$254.21	\$254.21
SF783133	Parkabike Inc.	Sweetwater High School	4	RQ17017998	1	lot	Additional Sales Tax National City 8.75%	\$24.64	\$24.64
SF783134	South Bay Fence Inc.	Planning & Facilities	1	RQ17018000	1	lot	Install 22 feet of 8 foot 3 inch high chain link including 2 each of 4 foot x 8 foot 3 inch high pedestrian gates.	\$5,300.00	\$5,300.00
SF783135	GEM Industrial Electric, Inc.	Planning & Facilities	1	RQ17018002	1	lot	Furnish labor, material and equipment to perform repairs to the Hilltop High School football stadium bleachers.	\$8,900.00	\$8,900.00
SF783137	Pio Hernandez Construction	Planning & Facilities	1	RQ17018078	1	lot	Provide labor & material as needed for SOM 1b-2 Skylights project 56-2554-tc	\$1,500.00	\$1,500.00
PURCHASE ORDER COUNT =		1,501							\$45,943,410.03

NON PURCHASE ORDER REQUISITION LISTING

<u>REQNUMBER</u>	<u>NAME</u>	<u>DATE ENTERED</u>	<u>AMOUNT</u>
RQ17016549	Office Depot	05/01/2017	\$3,846.31
RQ17016550	Office Depot	05/01/2017	\$756.40
RQ17016551	Office Depot	05/01/2017	\$32.37
RQ17016552	Office Depot	05/01/2017	\$1,561.78
RQ17016557	Office Depot	05/01/2017	\$84.12
RQ17016559	Waxie's Enterprises, Inc.	05/01/2017	\$1,035.74
RQ17016565	Office Depot	05/01/2017	\$489.67
RQ17016566	Office Depot	05/01/2017	\$454.89
RQ17016567	Office Depot	05/01/2017	\$189.43
RQ17016571	Office Depot	05/01/2017	\$19.47
RQ17016575	Office Depot	05/01/2017	\$417.40
RQ17016576	Office Depot	05/01/2017	\$439.48
RQ17016584	Office Depot	05/01/2017	\$797.60
RQ17016587	Office Depot	05/01/2017	\$120.13
RQ17016592	Office Depot	05/01/2017	\$147.83
RQ17016603	Office Depot	05/01/2017	\$63.20
RQ17016606	Office Depot	05/01/2017	\$196.67
RQ17016607	Office Depot	05/01/2017	\$43.21
RQ17016608	Office Depot	05/01/2017	\$581.34
RQ17016609	Office Depot	05/01/2017	\$43.26
RQ17016619	Office Depot	05/01/2017	\$6.66
RQ17016620	Office Depot	05/01/2017	\$518.52
RQ17016621	Office Depot	05/01/2017	\$337.60
RQ17016623	Office Depot	05/01/2017	\$1,776.53
RQ17016625	Office Depot	05/01/2017	\$54.82
RQ17016628	Office Depot	05/01/2017	\$432.59
RQ17016630	Office Depot	05/01/2017	\$76.27
RQ17016654	Office Depot	05/01/2017	\$155.12
RQ17016656	Office Depot	05/01/2017	\$30.84
RQ17016659	Office Depot	05/01/2017	\$202.59
RQ17016661	Office Depot	05/01/2017	\$710.29
RQ17016663	Office Depot	05/01/2017	\$225.52
RQ17016664	Office Depot	05/01/2017	\$2,106.90
RQ17016666	Office Depot	05/01/2017	\$34.28
RQ17016668	Office Depot	05/01/2017	\$61.02
RQ17016683	Office Depot	05/01/2017	\$252.32
RQ17016684	Office Depot	05/01/2017	\$12.93
RQ17016685	Office Depot	05/01/2017	\$286.46
RQ17016686	Office Depot	05/01/2017	\$54.93
RQ17016688	Office Depot	05/01/2017	\$76.00
RQ17016693	Office Depot	05/01/2017	\$175.26
RQ17016696	Waxie's Enterprises, Inc.	05/01/2017	\$16.85
RQ17016702	Office Depot	05/01/2017	\$19.66
RQ17016703	Office Depot	05/01/2017	\$162.36
RQ17016708	Office Depot	05/01/2017	\$175.52
RQ17016725	Office Depot	05/01/2017	\$311.59
RQ17016728	Office Depot	05/01/2017	\$316.54
RQ17016729	Office Depot	05/01/2017	\$736.08
RQ17016732	Office Depot	05/01/2017	\$176.43
RQ17016733	Office Depot	05/01/2017	\$115.43
RQ17016735	Office Depot	05/02/2017	\$146.67
RQ17016736	Office Depot	05/02/2017	\$74.45
RQ17016737	Office Depot	05/02/2017	\$537.57
RQ17016738	Office Depot	05/02/2017	\$536.76
RQ17016741	Office Depot	05/02/2017	\$183.74
RQ17016742	Waxie's Enterprises, Inc.	05/02/2017	\$1,020.82
RQ17016744	Office Depot	05/02/2017	\$62.34
RQ17016763	Office Depot	05/02/2017	\$60.61
RQ17016769	Office Depot	05/02/2017	\$1,004.43

NON PURCHASE ORDER REQUISITION LISTING

<u>REQNUMBER</u>	<u>NAME</u>	<u>DATE ENTERED</u>	<u>AMOUNT</u>
RQ17016770	Office Depot	05/02/2017	\$487.11
RQ17016775	Office Depot	05/02/2017	\$260.29
RQ17016777	Office Depot	05/02/2017	\$7.90
RQ17016801	Office Depot	05/02/2017	\$112.67
RQ17016819	Waxie's Enterprises, Inc.	05/02/2017	\$188.42
RQ17016820	Office Depot	05/02/2017	\$262.51
RQ17016822	Office Depot	05/02/2017	\$288.71
RQ17016830	Waxie's Enterprises, Inc.	05/02/2017	\$295.24
RQ17016835	Waxie Sanitary Supply - USE V015010	05/02/2017	\$173.64
RQ17016836	Office Depot	05/02/2017	\$612.00
RQ17016839	Office Depot	05/02/2017	\$110.34
RQ17016840	Office Depot	05/02/2017	\$29.22
RQ17016842	Waxie's Enterprises, Inc.	05/02/2017	\$5,489.02
RQ17016843	Office Depot	05/02/2017	\$98.49
RQ17016849	Office Depot	05/02/2017	\$78.15
RQ17016850	Office Depot	05/02/2017	\$45.45
RQ17016853	Waxie's Enterprises, Inc.	05/02/2017	\$345.09
RQ17016856	Waxie's Enterprises, Inc.	05/02/2017	\$2,612.27
RQ17016860	Office Depot	05/02/2017	\$614.76
RQ17016866	Office Depot	05/02/2017	\$19.67
RQ17016874	Office Depot	05/02/2017	\$314.38
RQ17016881	Waxie's Enterprises, Inc.	05/02/2017	\$15.48
RQ17016882	Office Depot	05/02/2017	\$285.77
RQ17016886	Office Depot	05/02/2017	\$134.45
RQ17016887	Office Depot	05/02/2017	\$134.45
RQ17016894	Office Depot	05/02/2017	\$155.38
RQ17016895	Office Depot	05/02/2017	\$1,060.40
RQ17016896	Office Depot	05/02/2017	\$11.46
RQ17016903	Office Depot	05/03/2017	\$207.89
RQ17016932	Office Depot	05/03/2017	\$614.72
RQ17016937	Office Depot	05/03/2017	\$115.06
RQ17016944	Office Depot	05/03/2017	\$171.23
RQ17016948	Office Depot	05/03/2017	\$51.90
RQ17016949	Office Depot	05/03/2017	\$818.06
RQ17016958	Office Depot	05/03/2017	\$72.06
RQ17016959	Office Depot	05/03/2017	\$301.42
RQ17016970	Office Depot	05/03/2017	\$74.24
RQ17016972	Office Depot	05/03/2017	\$1,681.75
RQ17016973	Office Depot	05/03/2017	\$90.25
RQ17016974	Office Depot	05/03/2017	\$286.82
RQ17016978	Office Depot	05/03/2017	\$763.57
RQ17016980	Office Depot	05/03/2017	\$1,061.15
RQ17016981	Office Depot	05/03/2017	\$131.32
RQ17016983	Waxie's Enterprises, Inc.	05/03/2017	\$420.43
RQ17016992	Office Depot	05/03/2017	\$75.01
RQ17016994	Office Depot	05/03/2017	\$29.21
RQ17017000	Office Depot	05/03/2017	\$500.10
RQ17017003	Office Depot	05/03/2017	\$568.60
RQ17017004	Office Depot	05/03/2017	\$195.76
RQ17017005	Office Depot	05/03/2017	\$123.77
RQ17017007	Office Depot	05/03/2017	\$62.98
RQ17017008	Office Depot	05/03/2017	\$547.72
RQ17017009	Office Depot	05/03/2017	\$39.24
RQ17017010	Office Depot	05/03/2017	\$52.99
RQ17017011	Office Depot	05/03/2017	\$15.80
RQ17017016	Office Depot	05/03/2017	\$339.42
RQ17017017	Office Depot	05/03/2017	\$1,153.82
RQ17017020	Office Depot	05/03/2017	\$41.09
RQ17017021	Office Depot	05/03/2017	\$101.50

NON PURCHASE ORDER REQUISITION LISTING

<u>REQNUMBER</u>	<u>NAME</u>	<u>DATE ENTERED</u>	<u>AMOUNT</u>
RQ17017022	Office Depot	05/03/2017	\$61.67
RQ17017023	Office Depot	05/03/2017	\$22.72
RQ17017024	Office Depot	05/03/2017	\$41.98
RQ17017025	Office Depot	05/03/2017	\$20.55
RQ17017026	Office Depot	05/03/2017	\$495.83
RQ17017030	Office Depot	05/03/2017	\$17.74
RQ17017031	Office Depot	05/03/2017	\$247.91
RQ17017032	Office Depot	05/03/2017	\$83.92
RQ17017034	Office Depot	05/03/2017	\$10.27
RQ17017036	Office Depot	05/03/2017	\$495.83
RQ17017037	Office Depot	05/03/2017	\$20.55
RQ17017039	Office Depot	05/03/2017	\$577.59
RQ17017041	Office Depot	05/03/2017	\$20.55
RQ17017043	Office Depot	05/03/2017	\$43.58
RQ17017044	Office Depot	05/03/2017	\$59.30
RQ17017046	Office Depot	05/03/2017	\$11.90
RQ17017047	Office Depot	05/03/2017	\$98.39
RQ17017049	Office Depot	05/03/2017	\$137.09
RQ17017052	Office Depot	05/03/2017	\$333.83
RQ17017055	Office Depot	05/03/2017	\$2,737.45
RQ17017056	Office Depot	05/03/2017	\$35.48
RQ17017058	Office Depot	05/03/2017	\$525.69
RQ17017059	Office Depot	05/03/2017	\$139.71
RQ17017060	Office Depot	05/03/2017	\$20.55
RQ17017061	Office Depot	05/03/2017	\$490.65
RQ17017062	Office Depot	05/03/2017	\$20.55
RQ17017068	Office Depot	05/04/2017	\$361.48
RQ17017069	Office Depot	05/04/2017	\$572.21
RQ17017071	Office Depot	05/04/2017	\$428.96
RQ17017072	Office Depot	05/04/2017	\$1,370.93
RQ17017074	Office Depot	05/04/2017	\$27.92
RQ17017080	Office Depot	05/04/2017	\$97.68
RQ17017084	Waxie's Enterprises, Inc.	05/04/2017	\$978.35
RQ17017085	Office Depot	05/04/2017	\$1,461.04
RQ17017087	Office Depot	05/04/2017	\$20.12
RQ17017088	Office Depot	05/04/2017	\$46.54
RQ17017090	Waxie's Enterprises, Inc.	05/04/2017	\$2,348.52
RQ17017091	Office Depot	05/04/2017	\$125.56
RQ17017092	Office Depot	05/04/2017	\$75.57
RQ17017101	Office Depot	05/04/2017	\$3,409.42
RQ17017104	Office Depot	05/04/2017	\$275.91
RQ17017106	Waxie's Enterprises, Inc.	05/04/2017	\$1,416.29
RQ17017110	Office Depot	05/04/2017	\$246.48
RQ17017122	Office Depot	05/04/2017	\$82.23
RQ17017168	Office Depot	05/04/2017	\$315.96
RQ17017174	Office Depot	05/04/2017	\$69.97
RQ17017175	Office Depot	05/04/2017	\$23.89
RQ17017178	Office Depot	05/04/2017	\$59.73
RQ17017183	Office Depot	05/04/2017	\$17.57
RQ17017191	Office Depot	05/04/2017	\$274.85
RQ17017192	Office Depot	05/04/2017	\$832.05
RQ17017193	Office Depot	05/04/2017	\$38.95
RQ17017194	Office Depot	05/04/2017	\$51.36
RQ17017196	Office Depot	05/04/2017	\$705.94
RQ17017200	Office Depot	05/04/2017	\$368.35
RQ17017203	Office Depot	05/04/2017	\$16.74
RQ17017225	Office Depot	05/04/2017	\$511.07
RQ17017227	Office Depot	05/04/2017	\$257.79
RQ17017228	Office Depot	05/04/2017	\$87.35

NON PURCHASE ORDER REQUISITION LISTING

<u>REQNUMBER</u>	<u>NAME</u>	<u>DATE ENTERED</u>	<u>AMOUNT</u>
RQ17017229	Office Depot	05/04/2017	\$294.42
RQ17017245	Office Depot	05/05/2017	\$131.32
RQ17017247	Office Depot	05/05/2017	\$209.31
RQ17017250	Office Depot	05/05/2017	\$452.55
RQ17017252	Office Depot	05/05/2017	\$85.71
RQ17017253	Waxie's Enterprises, Inc.	05/05/2017	\$529.67
RQ17017255	Office Depot	05/05/2017	\$65.42
RQ17017259	Waxie's Enterprises, Inc.	05/05/2017	\$68.52
RQ17017260	Office Depot	05/05/2017	\$480.71
RQ17017261	Office Depot	05/05/2017	\$67.17
RQ17017262	Office Depot	05/05/2017	\$23.25
RQ17017263	Office Depot	05/05/2017	\$31.80
RQ17017266	Office Depot	05/05/2017	\$174.82
RQ17017267	Office Depot	05/05/2017	\$926.76
RQ17017270	Office Depot	05/05/2017	\$656.18
RQ17017276	Waxie's Enterprises, Inc.	05/05/2017	\$88.99
RQ17017279	Office Depot	05/05/2017	\$58.78
RQ17017280	Office Depot	05/05/2017	\$89.90
RQ17017281	Office Depot	05/05/2017	\$5.15
RQ17017282	Office Depot	05/05/2017	\$17.31
RQ17017284	Office Depot	05/05/2017	\$442.19
RQ17017285	Office Depot	05/05/2017	\$211.95
RQ17017286	Office Depot	05/05/2017	\$26.39
RQ17017287	Office Depot	05/05/2017	\$102.24
RQ17017291	Office Depot	05/05/2017	\$910.46
RQ17017292	Office Depot	05/05/2017	\$84.92
RQ17017294	Office Depot	05/05/2017	\$154.73
RQ17017296	Office Depot	05/05/2017	\$11.41
RQ17017299	Office Depot	05/05/2017	\$10.03
RQ17017300	Office Depot	05/05/2017	\$255.45
RQ17017301	Office Depot	05/05/2017	\$21.40
RQ17017302	Office Depot	05/05/2017	\$244.30
RQ17017303	Waxie's Enterprises, Inc.	05/05/2017	\$1,418.95
RQ17017304	Office Depot	05/05/2017	\$34.78
RQ17017310	Office Depot	05/05/2017	\$566.27
RQ17017317	Office Depot	05/05/2017	\$121.69
RQ17017320	Office Depot	05/05/2017	\$261.22
RQ17017321	Office Depot	05/05/2017	\$161.04
RQ17017323	Office Depot	05/05/2017	\$16.06
RQ17017324	Office Depot	05/05/2017	\$98.57
RQ17017325	Office Depot	05/05/2017	\$82.05
RQ17017326	Office Depot	05/05/2017	\$63.66
RQ17017328	Office Depot	05/05/2017	\$69.11
RQ17017340	Office Depot	05/05/2017	\$81.92
RQ17017342	Office Depot	05/05/2017	\$140.16
RQ17017355	Office Depot	05/05/2017	\$299.71
RQ17017357	Office Depot	05/05/2017	\$527.08
RQ17017358	Office Depot	05/05/2017	\$31.94
RQ17017359	Office Depot	05/05/2017	\$33.54
RQ17017360	Office Depot	05/05/2017	\$175.15
RQ17017365	Office Depot	05/05/2017	\$422.15
RQ17017366	Office Depot	05/05/2017	\$125.55
RQ17017367	Office Depot	05/05/2017	\$1,143.77
RQ17017369	Office Depot	05/05/2017	\$717.88
RQ17017371	Office Depot	05/05/2017	\$494.53
RQ17017373	Waxie's Enterprises, Inc.	05/05/2017	\$2,656.15
RQ17017375	Office Depot	05/05/2017	\$97.86
RQ17017376	Office Depot	05/05/2017	\$406.90
RQ17017378	Office Depot	05/05/2017	\$645.33

NON PURCHASE ORDER REQUISITION LISTING

<u>REQNUMBER</u>	<u>NAME</u>	<u>DATE ENTERED</u>	<u>AMOUNT</u>
RQ17017379	Office Depot	05/05/2017	\$389.64
RQ17017380	Office Depot	05/05/2017	\$548.44
RQ17017381	Office Depot	05/05/2017	\$52.80
RQ17017383	Office Depot	05/05/2017	\$389.64
RQ17017384	Office Depot	05/05/2017	\$15.13
RQ17017385	Office Depot	05/05/2017	\$432.22
RQ17017387	Office Depot	05/05/2017	\$499.49
RQ17017389	Office Depot	05/05/2017	\$598.93
RQ17017391	Office Depot	05/05/2017	\$158.16
RQ17017392	Office Depot	05/05/2017	\$2,712.76
RQ17017399	Office Depot	05/05/2017	\$59.55
RQ17017401	Office Depot	05/05/2017	\$159.40
RQ17017403	Office Depot	05/05/2017	\$38.05
RQ17017407	Office Depot	05/05/2017	\$364.87
RQ17017409	Office Depot	05/05/2017	\$27.01
RQ17017419	Office Depot	05/05/2017	\$51.94
RQ17017420	Office Depot	05/05/2017	\$107.34
RQ17017423	Office Depot	05/05/2017	\$566.62
RQ17017426	Office Depot	05/05/2017	\$122.06
RQ17017429	Office Depot	05/05/2017	\$378.01
RQ17017431	Office Depot	05/05/2017	\$964.32
RQ17017432	Office Depot	05/05/2017	\$26.84
RQ17017433	Office Depot	05/05/2017	\$285.77
RQ17017434	Office Depot	05/05/2017	\$196.67
RQ17017442	Waxie's Enterprises, Inc.	05/05/2017	\$134.84
RQ17017448	Office Depot	05/05/2017	\$484.88
RQ17017449	Office Depot	05/05/2017	\$259.93
RQ17017450	Office Depot	05/05/2017	\$186.90
RQ17017460	Office Depot	05/05/2017	\$12.97
RQ17017462	Office Depot	05/05/2017	\$346.39
RQ17017470	Office Depot	05/05/2017	\$758.50
RQ17017471	Office Depot	05/05/2017	\$44.33
RQ17017477	Office Depot	05/05/2017	\$648.01
RQ17017497	Office Depot	05/08/2017	\$5,883.95
RQ17017498	Office Depot	05/08/2017	\$842.80
RQ17017512	Office Depot	05/08/2017	\$58.26
RQ17017519	Office Depot	05/08/2017	\$188.15
RQ17017520	Office Depot	05/08/2017	\$23.91
RQ17017542	Office Depot	05/08/2017	\$246.13
RQ17017546	Office Depot	05/08/2017	\$402.68
RQ17017554	Office Depot	05/08/2017	\$338.80
RQ17017563	Office Depot	05/08/2017	\$359.71
RQ17017564	Office Depot	05/08/2017	\$1,109.18
RQ17017567	Office Depot	05/08/2017	\$20.43
RQ17017570	Office Depot	05/08/2017	\$121.05
RQ17017582	Office Depot	05/08/2017	\$499.02
RQ17017583	Office Depot	05/08/2017	\$140.70
RQ17017593	Office Depot	05/08/2017	\$301.51
RQ17017594	Office Depot	05/08/2017	\$164.32
RQ17017596	Office Depot	05/08/2017	\$228.52
RQ17017601	Office Depot	05/08/2017	\$169.40
RQ17017615	Waxie Sanitary Supply - USE V015010	05/08/2017	\$569.71
RQ17017622	Waxie's Enterprises, Inc.	05/08/2017	\$199.75
RQ17017625	Waxie's Enterprises, Inc.	05/08/2017	\$500.00
RQ17017628	Waxie Sanitary Supply - USE V015010	05/08/2017	\$477.20
RQ17017634	Office Depot	05/08/2017	\$49.34
RQ17017635	Office Depot	05/08/2017	\$233.89
RQ17017652	Office Depot	05/08/2017	\$296.17
RQ17017654	Office Depot	05/08/2017	\$967.69

NON PURCHASE ORDER REQUISITION LISTING

<u>REQNUMBER</u>	<u>NAME</u>	<u>DATE ENTERED</u>	<u>AMOUNT</u>
RQ17017655	Office Depot	05/08/2017	\$17.53
RQ17017656	Office Depot	05/08/2017	\$675.50
RQ17017657	Office Depot	05/08/2017	\$11.90
RQ17017658	Office Depot	05/08/2017	\$11.68
RQ17017659	Office Depot	05/08/2017	\$210.34
RQ17017661	Office Depot	05/08/2017	\$1,018.16
RQ17017662	Office Depot	05/08/2017	\$274.69
RQ17017663	Office Depot	05/08/2017	\$157.05
RQ17017665	Office Depot	05/08/2017	\$237.02
RQ17017667	Office Depot	05/08/2017	\$8.40
RQ17017668	Office Depot	05/08/2017	\$64.91
RQ17017670	Waxie's Enterprises, Inc.	05/08/2017	\$973.93
RQ17017673	Office Depot	05/08/2017	\$209.87
RQ17017690	Office Depot	05/08/2017	\$135.30
RQ17017699	Office Depot	05/08/2017	\$249.58
RQ17017700	Office Depot	05/08/2017	\$281.62
RQ17017701	Office Depot	05/08/2017	\$755.50
RQ17017704	Office Depot	05/08/2017	\$12.44
RQ17017705	Office Depot	05/08/2017	\$73.34
RQ17017709	Office Depot	05/08/2017	\$203.50
RQ17017710	Office Depot	05/08/2017	\$210.37
RQ17017711	Office Depot	05/08/2017	\$16.76
RQ17017712	Office Depot	05/08/2017	\$55.52
RQ17017718	Office Depot	05/08/2017	\$216.49
RQ17017720	Office Depot	05/08/2017	\$533.02
RQ17017722	Waxie's Enterprises, Inc.	05/08/2017	\$750.00
RQ17017724	Office Depot	05/08/2017	\$217.55
RQ17017725	Office Depot	05/08/2017	\$500.24
RQ17017729	Office Depot	05/08/2017	\$58.44
RQ17017730	Office Depot	05/08/2017	\$121.26
RQ17017731	Office Depot	05/08/2017	\$83.64
RQ17017733	Office Depot	05/08/2017	\$12.97
RQ17017738	Office Depot	05/08/2017	\$133.09
RQ17017739	Office Depot	05/08/2017	\$203.41
RQ17017741	Office Depot	05/08/2017	\$162.58
RQ17017744	Office Depot	05/08/2017	\$155.23
RQ17017751	Office Depot	05/08/2017	\$818.41
RQ17017752	Office Depot	05/08/2017	\$550.97
RQ17017760	Office Depot	05/08/2017	\$152.76
RQ17017761	Office Depot	05/08/2017	\$249.59
RQ17017762	Office Depot	05/08/2017	\$97.37
RQ17017763	Office Depot	05/08/2017	\$51.36
RQ17017766	Office Depot	05/08/2017	\$386.39
RQ17017767	Waxie's Enterprises, Inc.	05/08/2017	\$384.37
RQ17017769	Office Depot	05/08/2017	\$151.54
RQ17017772	Waxie's Enterprises, Inc.	05/08/2017	\$98.10
RQ17017776	Office Depot	05/08/2017	\$302.76
RQ17017791	Office Depot	05/08/2017	\$4,910.99
RQ17017792	Office Depot	05/08/2017	\$91.41
RQ17017793	Waxie's Enterprises, Inc.	05/08/2017	\$1,090.62
RQ17017794	Office Depot	05/08/2017	\$332.68
RQ17017795	Office Depot	05/08/2017	\$78.18
RQ17017796	Office Depot	05/08/2017	\$107.35
RQ17017797	Office Depot	05/08/2017	\$35.20
RQ17017798	Office Depot	05/08/2017	\$136.12
RQ17017801	Office Depot	05/08/2017	\$39.65
RQ17017802	Office Depot	05/08/2017	\$96.99
RQ17017808	Office Depot	05/08/2017	\$88.75
RQ17017809	Office Depot	05/08/2017	\$249.92

NON PURCHASE ORDER REQUISITION LISTING

<u>REQNUMBER</u>	<u>NAME</u>	<u>DATE ENTERED</u>	<u>AMOUNT</u>
RQ17017811	Office Depot	05/08/2017	\$503.93
RQ17017812	Office Depot	05/08/2017	\$6.04
RQ17017813	Office Depot	05/08/2017	\$74.56
RQ17017819	Office Depot	05/08/2017	\$8.65
RQ17017820	Office Depot	05/08/2017	\$508.92
RQ17017825	Office Depot	05/08/2017	\$533.46
RQ17017837	Office Depot	05/08/2017	\$68.19
RQ17017840	Office Depot	05/08/2017	\$395.99
RQ17017842	Office Depot	05/08/2017	\$104.54
RQ17017847	Office Depot	05/08/2017	\$161.83
RQ17017856	Office Depot	05/08/2017	\$2,391.98
RQ17017858	Office Depot	05/08/2017	\$320.56
RQ17017862	Office Depot	05/08/2017	\$38.86
RQ17017863	Office Depot	05/08/2017	\$432.99
RQ17017865	Office Depot	05/08/2017	\$110.31
RQ17017866	Waxie's Enterprises, Inc.	05/08/2017	\$38.82
RQ17017868	Office Depot	05/08/2017	\$30.94
RQ17017871	Office Depot	05/08/2017	\$28.12
RQ17017874	Office Depot	05/08/2017	\$57.35
RQ17017875	Office Depot	05/08/2017	\$191.81
RQ17017877	Office Depot	05/08/2017	\$350.70
RQ17017878	Office Depot	05/08/2017	\$43.60
RQ17017879	Office Depot	05/08/2017	\$84.08
RQ17017883	Office Depot	05/08/2017	\$496.37
RQ17017885	Office Depot	05/08/2017	\$603.91
RQ17017886	Office Depot	05/08/2017	\$37.12
RQ17017887	Office Depot	05/08/2017	\$21.80
RQ17017889	Office Depot	05/08/2017	\$17.97
RQ17017891	Office Depot	05/08/2017	\$115.82
RQ17017906	Office Depot	05/08/2017	\$125.09
RQ17017908	Office Depot	05/08/2017	\$325.81
RQ17017910	Office Depot	05/08/2017	\$60.19
RQ17017912	Office Depot	05/08/2017	\$300.55
RQ17017924	Office Depot	05/08/2017	\$151.76
RQ17017925	Office Depot	05/08/2017	\$39.14
RQ17017926	Office Depot	05/08/2017	\$51.85
RQ17017927	Waxie's Enterprises, Inc.	05/08/2017	\$1,611.72
RQ17017939	Office Depot	05/09/2017	\$73.43
RQ17017950	Office Depot	05/09/2017	\$64.40
RQ17017958	Office Depot	05/10/2017	\$34.36
RQ17017960	Office Depot	05/10/2017	\$43.07
RQ17018005	Waxie's Enterprises, Inc.	05/17/2017	\$16.85
RQ17018014	Office Depot	05/17/2017	\$218.96
RQ17018015	Office Depot	05/17/2017	\$97.38
RQ17018032	Office Depot	05/17/2017	\$798.32
RQ17018053	Waxie's Enterprises, Inc.	05/18/2017	\$1,055.22
RQ17018088	Waxie's Enterprises, Inc.	05/22/2017	\$370.77
RQ17018096	Office Depot	05/24/2017	\$281.34
RQ17018105	Waxie's Enterprises, Inc.	05/25/2017	\$1,828.84
RQ17018106	Office Depot	05/25/2017	\$479.81
GRAND TOTAL REQUISITIONS:	404		\$152,828.56

PURCHASE ORDER ADJUSTMENTS
FY 2016 - 2017
5/1/2017 to 5/31/2017

<u>DATE</u>	<u>AMOUNT</u>	<u>PO NUMBER</u>	
519233			
05/30/2017	\$665.85	519233	Adjust encumbrance for Req #: RQ16000758
05/30/2017	\$1,331.71	519233	Adjust encumbrance for Req #: RQ16000758
519233	\$1,997.56		
529145			
05/08/2017	\$400.00	529145	Adjust encumbrance for Req #: RQ17000015
529145	\$400.00		
529198			
05/11/2017	\$6,000.00	529198	Adjust encumbrance for Req #: RQ17000300
529198	\$6,000.00		
529289			
05/19/2017	\$500.00	529289	Adjust encumbrance for Req #: RQ17000103
529289	\$500.00		
529311			
05/05/2017	\$360.00	529311	Adjust encumbrance for Req #: RQ17000051
529311	\$360.00		
529316			
05/17/2017	\$1,500.00	529316	Adjust encumbrance for Req #: RQ17000280
529316	\$1,500.00		
529318			
05/12/2017	\$700.00	529318	Adjust encumbrance for Req #: RQ17000160
05/31/2017	\$700.00	529318	Adjust encumbrance for Req #: RQ17000160
529318	\$1,400.00		
529329			
05/17/2017	\$3,000.00	529329	Adjust encumbrance for Req #: RQ17000174
529329	\$3,000.00		
529330			
05/17/2017	\$3,000.00	529330	Adjust encumbrance for Req #: RQ17000173
529330	\$3,000.00		
529334			
05/17/2017	\$5,000.00	529334	Adjust encumbrance for Req #: RQ17000175
529334	\$5,000.00		
529337			
05/17/2017	\$1,500.00	529337	Adjust encumbrance for Req #: RQ17000283
529337	\$1,500.00		
529339			
05/05/2017	\$3,000.00	529339	Adjust encumbrance for Req #: RQ17000223
529339	\$3,000.00		
529380			
05/26/2017	\$1,000.00	529380	Adjust encumbrance for Req #: RQ17000147
529380	\$1,000.00		
529416			
05/10/2017	\$4,877.00	529416	Adjust encumbrance for Req #: RQ17000403

FY 2016 - 2017
5/1/2017 to 5/31/2017

[illegible]

FY 2016 - 2017
5/1/2017 to 5/31/2017

[illegible]

PURCHASE ORDER ADJUSTMENTS

FY 2016 - 2017

5/1/2017 to 5/31/2017

<u>DATE</u>	<u>AMOUNT</u>	<u>PO NUMBER</u>	
05/19/2017	\$10,000.00	529450	Adjust encumbrance for Req #: RQ17000397
529450	\$295,000.00		
529639			
05/10/2017	\$45,430.00	529639	Adjust encumbrance for Req #: RQ17001013
529639	\$45,430.00		
529749			
05/23/2017	\$3,000.00	529749	Adjust encumbrance for Req #: RQ17001069
529749	\$3,000.00		
529879			
05/31/2017	\$57.82	529879	Adjust encumbrance for Req #: RQ17000195
529879	\$57.82		
529932			
05/19/2017	\$600.00	529932	Adjust encumbrance for Req #: RQ17001424
529932	\$600.00		
529937			
05/04/2017	\$4,000.00	529937	Adjust encumbrance for Req #: RQ17001547
529937	\$4,000.00		
530162			
05/23/2017	\$500.00	530162	Adjust encumbrance for Req #: RQ17001565
530162	\$500.00		
530164			
05/23/2017	\$500.00	530164	Adjust encumbrance for Req #: RQ17001563
530164	\$500.00		
530183			
05/11/2017	\$320.00	530183	Adjust encumbrance for Req #: RQ17002133
530183	\$320.00		
530260			
05/25/2017	\$70.00	530260	Adjust encumbrance for Req #: RQ17002068
530260	\$70.00		
530275			
05/24/2017	\$81.00	530275	Adjust encumbrance for Req #: RQ17000678
530275	\$81.00		
530465			
05/25/2017	\$7,000.00	530465	Adjust encumbrance for Req #: RQ17002394
530465	\$7,000.00		
530673			
05/01/2017	\$10,000.00	530673	Adjust encumbrance for Req #: RQ17002852
530673	\$10,000.00		
530880			
05/11/2017	\$52.92	530880	Adjust encumbrance for Req #: RQ17003204
530880	\$52.92		
530926			
05/30/2017	\$215,000.00	530926	Adjust encumbrance for Req #: RQ17003365
530926	\$215,000.00		

PURCHASE ORDER ADJUSTMENTS

FY 2016 - 2017

5/1/2017 to 5/31/2017

<u>DATE</u>	<u>AMOUNT</u>	<u>PO NUMBER</u>	
531152			
05/08/2017	\$843.00	531152	Adjust encumbrance for Req #: RQ17003422
05/11/2017	\$300.00	531152	Adjust encumbrance for Req #: RQ17003422
531152	\$1,143.00		
531158			
05/01/2017	\$1,500.00	531158	Adjust encumbrance for Req #: RQ17003683
531158	\$1,500.00		
531311			
05/31/2017	\$700.00	531311	Adjust encumbrance for Req #: RQ17000387
531311	\$700.00		
531312			
05/31/2017	\$800.00	531312	Adjust encumbrance for Req #: RQ17003405
531312	\$800.00		
531313			
05/31/2017	\$393.10	531313	Adjust encumbrance for Req #: RQ17003395
05/31/2017	\$1,006.90	531313	Adjust encumbrance for Req #: RQ17003395
531313	\$1,400.00		
531334			
05/04/2017	\$15,000.00	531334	Adjust encumbrance for Req #: RQ17003883
531334	\$15,000.00		
531335			
05/04/2017	\$103,000.00	531335	Adjust encumbrance for Req #: RQ17003888
531335	\$103,000.00		
531411			
05/05/2017	\$1,100.00	531411	Adjust encumbrance for Req #: RQ17000620
531411	\$1,100.00		
531488			
05/08/2017	\$209.00	531488	Adjust encumbrance for Req #: RQ17002779
531488	\$209.00		
531489			
05/08/2017	\$350.00	531489	Adjust encumbrance for Req #: RQ17002781
531489	\$350.00		
531499			
05/01/2017	\$450.00	531499	Adjust encumbrance for Req #: RQ17002670
531499	\$450.00		
531564			
05/02/2017	\$24,356.25	531564	Adjust encumbrance for Req #: RQ17004315
05/02/2017	\$1,856.25	531564	Adjust encumbrance for Req #: RQ17004315
531564	\$26,212.50		
531692			
05/30/2017	\$50,000.00	531692	Adjust encumbrance for Req #: RQ17004554
531692	\$50,000.00		
531694			
05/25/2017	\$180,000.00	531694	Adjust encumbrance for Req #: RQ17004610
531694	\$180,000.00		

PURCHASE ORDER ADJUSTMENTS

FY 2016 - 2017

5/1/2017 to 5/31/2017

<u>DATE</u>	<u>AMOUNT</u>	<u>PO NUMBER</u>	
532168			
05/25/2017	\$70,000.00	532168	Adjust encumbrance for Req #: RQ17005254
532168	\$70,000.00		
532479			
05/25/2017	\$500.00	532479	Adjust encumbrance for Req #: RQ17005659
532479	\$500.00		
532492			
05/11/2017	\$10,000.00	532492	Adjust encumbrance for Req #: RQ17005348
532492	\$10,000.00		
532674			
05/19/2017	\$4,100.00	532674	Adjust encumbrance for Req #: RQ17005205
532674	\$4,100.00		
533162			
05/19/2017	\$147.22	533162	Adjust encumbrance for Req #: RQ17002628
533162	\$147.22		
533206			
05/04/2017	\$800.00	533206	Adjust encumbrance for Req #: RQ17006962
05/04/2017	\$4,000.00	533206	Adjust encumbrance for Req #: RQ17006962
533206	\$4,800.00		
533458			
05/05/2017	\$2,300.00	533458	Adjust encumbrance for Req #: RQ17007492
533458	\$2,300.00		
533983			
05/19/2017	\$5,852.00	533983	Adjust encumbrance for Req #: RQ17008363
533983	\$5,852.00		
534228			
05/12/2017	\$18,191.70	534228	Adjust encumbrance for Req #: RQ17008121
534228	\$18,191.70		
535278			
05/30/2017	\$126.25	535278	Adjust encumbrance for Req #: RQ17010452
535278	\$126.25		
535444			
05/19/2017	\$147.06	535444	Adjust encumbrance for Req #: RQ17010578
535444	\$147.06		
SF782890			
05/24/2017	\$3,340.00	SF782890	Adjust encumbrance for Req #: RQ16012921
SF782890	\$3,340.00		
SF782930			
05/19/2017	\$6,800.00	SF782930	Adjust encumbrance for Req #: RQ16016520
SF782930	\$6,800.00		
SF783045			
05/12/2017	\$7,030.00	SF783045	Adjust encumbrance for Req #: RQ17004787
SF783045	\$7,030.00		
SF783077			
05/09/2017	\$7,325.00	SF783077	Adjust encumbrance for Req #: RQ17009657

PURCHASE ORDER ADJUSTMENTS

FY 2016 - 2017

5/1/2017 to 5/31/2017

<u>DATE</u>	<u>AMOUNT</u>	<u>PO NUMBER</u>
SF783077	\$7,325.00	
TOTAL:	160 \$1,254,987.51	



June 26, 2017

Board Item - N.-2.

Issue:

Ratify tracking of confirmation received orders.

Superintendent's Recommendation:

Ratify confirmation received orders for the period of May 1, 2017, through May 31, 2017.

Analysis:

Orders directly placed with vendors, prior to processing a requisition and receiving a purchase order number, are considered "Confirmation Received."

Procedures for processing a Confirmation Received order are as follows:

- 1 . A copy of the requisition and backup are sent to the appropriate cabinet member along with a confirmation received form.
- 2 . The cabinet member must evaluate, state the reason for the Confirmation Received and sign the approval form. Designated cabinet members should contact the appropriate supervisor to make them aware of the Confirmation Received before approval.
- 3 . After approval the cabinet member will forward the documents to the fiscal services office.
- 4 . The chief financial officer ("CFO") must acknowledge the order.
- 5 . Only after the CFO has signed the Confirmation Received form, and returned it to the purchasing department, will the requisition be converted to a purchase order.
- 6 . The purchase order and invoice are then sent to the accounts payable department for payment processing.

Attached is the Confirmation Received report for the month of March.


Effective December 1, 2015, all "Employee Reimbursement" requisitions will be included in this report.

For questions regarding this board item, please contact Karen Michel at 619/691-5550 or karen.michel@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
 Confirmation Received Report June 2017	Backup Material

CONFIRMATION RECEIVED REPORT MAY 2017

Requisition Number	Vendor	Site/Department	Cabinet Member	Amount of Requisition	Reason
14014120	Employee Reimbursement	Division of Adult Ed	Dr. Fulcher	\$542.51	The requisition was processed after the conference.
14014114	Youth Development Network	Equity, Culture & Support Serv.	Dr. Fulcher	\$1,000.00	Staff was unaware of who was attending until just prior to the event.
17014556	Employee Reimbursement	National City Adult School	Dr. Fulcher	\$521.35	In the past, the CIS office paid for this conference. This was not covered this year, and the site did not know that until it was too late to process a requisition.
17015007	Employee Reimbursement	Transportation	Dr. Aguirre	\$5,980.56	The requisition was entered as a prepay. Staff was not aware that the requisition needed to be entered as a cash advance.
17016631	SD Science Education Conference	Professional Development	Ms. Alvarez	\$125.00	Staff was unable to confirm the vendor information that was needed to enter a requisition until a later date.
17014631	Employee Reimbursement	Castle Park Middle School	Dr. Carberry	\$495.00	Employee was not aware that the procedure for attending a conference had changed, and that a requisition in advance was required.
17016047	Employee Reimbursement	Transportation	Dr. Aguirre	\$703.29	The requisition was entered as a prepay. Staff was not aware that the requisition needed to be entered as a cash advance.
17014420	Grey House Publishing	Sweetwater High School	Ms. Alvarez	\$161.31	This was an employee error. Training has been provided to the employee.
17014785	Employee Reimbursement	Special Services	Ms. Alvarez	\$99.00	The employee paid for the conference before a requisition was entered.
17017356	Employee Reimbursement	Curriculum	Ms. Alvarez	\$1,261.19	The employee did not provide backup documents for a cash advance requisition to be entered.
17014817	Good Sports Plus LTD	Southwest High School	Dr. Carberry	\$1,200.00	The coordinator thought the two additional student conferences would be added to the original requisition, which was funded by a grant. Staff has been notified to check all pertinent information in the future.
17013314	Employee Reimbursement	Rancho Del Rey Middle School	Dr. Carberry	\$360.00	A requisition was not entered until after the conference.
17015182	Employee Reimbursement	National City Middle School	Ms. Alvarez	\$450.89	The site thought the district would cover the cost in advance.
17013890	Youth Development Network	Mar Vista High School	Dr. Carberry	\$2,400.00	The quote was sent to CIS, but staff had previously registered for the conference.
17013493	La Class Transportation	Bonita Vista High School	Dr. Carberry	\$1,498.50	The athletic brackets for a tournament were created on a Saturday and buses were needed at the beginning of the week. School was closed at this time and there was no way to enter a requisition.
17012891	Employee Reimbursement	Southwest High School	Dr. Carberry	\$565.38	The coach had only three days to secure travel arrangements after an athlete qualified for the state championship.
17013399	Employee Reimbursement	College & Career Readiness	Ms. Alvarez	\$115.26	The staff member was not included on the original list of counselors to attend this conference.
17009418	Employee Reimbursement	Mar Vista High School	Dr. Carberry	\$841.24	Staff member paid out of pocket to attend the conference. This item needed board approval before reimbursing the staff member.
17012023	Illuminate Education	San Ysidro High School	Ms. Alvarez	\$798.00	The requisition was entered prior to the event but was cancelled back to the site for budget changes. The cancellation was not noticed until later.

17017785	Employee Reimbursement	Professional Development	Ms. Alvarez	\$2,047.90	This out of state conference needed all back-up documents to be provided to the assistant superintendent for signature approval before a requisition could be entered. These documents were not provided in time to enter a requisition prior to the conference.
17017778	Employee Reimbursement	Professional Development	Ms. Alvarez	\$1,227.30	This out of state conference needed all back-up documents to be provided to the assistant superintendent for signature approval before a requisition could be entered. These documents were not provided in time to enter a requisition prior to the conference.
17017590	Employee Reimbursement	Equity, Culture & Support Serv.	Dr. Fulcher	\$365.84	Staff member was not familiar with the process for entering travel requisitions, which resulted in the travel occurring before a requisition was issued. Staff has now been trained in the correct procedure.
17017671	Employee Reimbursement	Equity, Culture & Support Serv.	Dr. Fulcher	\$523.90	Staff member was not familiar with the process for entering travel requisitions, which resulted in the travel occurring before a requisition was issued. Staff has now been trained in the correct procedure.
17017680	Employee Reimbursement	Equity, Culture & Support Serv.	Dr. Fulcher	\$523.90	Staff member was not familiar with the process for entering travel requisitions, which resulted in the travel occurring before a requisition was issued. Staff has now been trained in the correct procedure.
17017680	Employee Reimbursement	Equity, Culture & Support Serv.	Dr. Fulcher	\$303.00	Staff member was not familiar with the process for entering travel requisitions, which resulted in the travel occurring before a requisition was issued. Staff has now been trained in the correct procedure.
17015978	Nevertardy Transit, LLC	Southwest Middle School	Dr. Carberry	\$703.63	The original date of the field trip was changed and the original charter company did not get the memo regarding the change. An emergency charter company had to be booked on the day of the event.
17018003	School Services of California, Inc.	Legal Services Division	Ms. Carbuccia	\$165.00	Registration occurred on the day before the conference. Staff was not available to enter the requisition. Conference was necessary due to negotiation status.
17013696	Employee Reimbursement	Southwest Middle School	Dr. Carberry	\$1,165.02	Budget transfers needed to occur prior to entering the requisition. Budget transfers were late posting and requisition was entered on the second day of the conference.
17016947	Employee Reimbursement	Montgomery High School	Dr. Carberry	\$1,088.63	The staff member did not get pre-approval to attend the conference.
17016055	Employee Reimbursement	Transportation	Dr. Aguirre	\$261.70	The requisition was entered as a prepay. Staff was not aware that the requisition needed to be entered as a cash advance.
17013322	Employee Reimbursement	Olympian High School	Ms. Alvarez	\$847.77	The coach had only three days to secure travel arrangements after an athlete qualified for the state championship.
17017616	ACC Business Machines	Chula Vista Adult School	Dr. Fulcher	\$111.16	A quote was requested and received and then the items were delivered to the site without a purchase order being entered.
			TOTAL	\$28,453.23	



June 26, 2017

Board Item - O.-1.

Issue:

Agreement with Food Safety Systems.

Superintendent's Recommendation:

Approve Agreement between the Sweetwater Union High School District and Food Safety Systems for the purpose of Hazard Analysis Critical Control Points (HACCP) monitoring, and staff trainings, food safety training and data reporting.

Analysis:

Food Safety Systems (FSS), formerly known as School Nutrition Services (SNS), has been providing Sweetwater Union High School District (SUHSD) with Hazard Analysis Critical Control Point (HACCP) monitoring, food safety and sanitation programming for 10 years. FSS provides monthly training to 250 district employees on proper cleaning, food storage and correct sanitation procedures. FSS provides direct monitoring to ensure the nutrition services departments (NSD) HACCP plan is executed correctly.

FSS will also provide additional food safety education modules mandated by the California Department of Education/US Department of Agriculture (CDE/USDA) under the new Healthy Hunger Free Kids Act of 2010. Beginning July 1, 2015, the nutrition services department was required to provide continuing education and training to all front line staff.

FSS will also supply the nutrition service's sites with Occupational Safety and Health Administration (OSHA) approved cleaning products to ensure food safety and sanitation is completed. FSS will provide all Material Safety Data Sheets (MSDS), posters, binders, procedure guides and ancillary items, such as package cutters and sanitizer strips, to each site. FSS will assist the NSD in performing audits at each site to document any corrective actions that are needed and provide onsite follow up training. FSS will provide electronic copies of these audits to the nutrition services director for follow up and training using audit findings as a guide. FSS will provide these services to all 23 nutrition service's cafeteria sites.

For questions regarding this board item, please contact Moisés Aguirre at 619/585-

6060 or moises.aguirre@sweetwaterschools.org.

Fiscal Impact:

Expenditure not to exceed \$57,915.00, to be paid from Nutrition Services Department Fund, Resource Code: 5310.

ATTACHMENTS:

Description	Type
📎 O-1 Food Safety Systems Agreement	Backup Material



FOOD SERVICE SAFETY AND SANITATION PROGRAM SERVICE AGREEMENT

Overview

This agreement is made between Food Safety Systems ("FSS") and Sweetwater Union High School District ("School District"), effective as of July 1, 2017. Under this agreement, FSS will provide School District with a complete and sustainable food safety and sanitation system, inclusive of oversight, safety and sanitation training, education, and inventory control as detailed in **Schedule A**.

Schedule A includes trade secrets of FSS, which derive independent economic value from not being generally known to the public or by FSS competitors, and are the subject of reasonable efforts to maintain their secrecy. Therefore, School District will not, except as required in the conduct of School District's business or as required under California State or other laws, use, publish or disclose any of FSS's trade secrets (e.g., Schedule A) until at least such time that the information are no longer trade secrets. If School District discloses any of FSS's trade secrets, School District will notify FSS of such disclosure or use.

Term and Termination

This agreement is year one (1) of a five (5) year agreement, and may be extended at the discretion and consensus of both parties for the stated additional four (4) one-year term(s). The pricing submitted for the SY17-18 will remain fixed until June 30, 2018. Pricing agreed to for each renewal will remain fixed throughout each annual agreement period ending June 30. FSS may petition a price increase annually for each renewal period. The School District reserves the right to accept or reject any price increase, and terminate the agreement, without penalty.

The term of this agreement is one year, unless terminated by either party for any reason with thirty (30) days advanced written notice. All materials, dispensers, accessories and instructional charts that are provided as part of this program remain the property of Food Safety Systems and may be removed if, and when, the program is cancelled.

Services

FSS will visit each of the schools listed in **Schedule B** during each service visit cycle unless otherwise specified here. There will be a total of nine (9) service visit cycles during each full school year.

School District will pay a total agreement cost of \$57,915.00 for this school year, which will be divided into installment payments of \$6,435.00, to be paid upon being invoiced after the completion of each of the service visit cycles. A 3% discount will be available if the district agrees to two payments; one to be invoiced on July 1, 2017, and the other on January 1, 2018. If the term of this agreement includes a partial school year, the district will only be invoiced for the service visit cycles completed. Schedule B may be modified to add additional schools, which in turn may affect total agreement cost.

Billing and Remittance

All billing will be from FSS unless otherwise notified. Remittance should be made payable to:

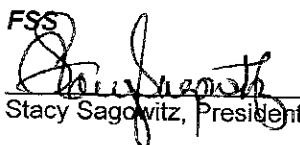
Food Safety Systems
5405 Alton Parkway, Suite 5A-539
Irvine, CA 92604

Accepted By:

Sweetwater Union High School District

Name _____ Title _____

Signature _____ Date _____

FSS

Stacy Sagowitz, President Date 4/12/17

YOUR TRUSTED RESOURCE. MAKING COMPLIANCE SIMPLE.

5405 Alton Pkwy, Suite 5A-539, Irvine, CA 92604 • P: (949) 725-9114 • www.foodsafety-systems.com



SCHEDULE A EDUCATION AND SERVICES

All services, materials, and consultation are included in the total cost provided under the Food Service Safety and Sanitation Service Agreement, offering complete budget control and predictability to School District. FSS will prepare a staff training schedule ("Training Schedule") with custom objectives and timelines, and provide education, materials, services and reports as follows.

I. Education

- A. FSS's food safety and sanitation education program includes district in-service education, site-based education, and educational materials for the Participating Schools. The goal of the FSS education program is to provide education for managers and employees of the School District, and standardize sanitation and safety procedures in each Participating School's kitchen facility.
- B. Education will be provided during each service cycle at each of the Participating Schools. Each educational session is approved for a minimum of .25 Continuing Education Credits (CEU) for School Nutrition Association (SNA) and/or a minimum of .25 CE units towards USDA mandated Professional Standards Curriculum. The education provided will address each school's specific needs, and will include an ongoing curriculum of sanitation and workplace topics.
- C. As required by California State Mandate, CalCode Article 2, Sections 113947 and 113947.1-3, FSS will make available the N.R.A. (National Restaurant Association Foundation) ServSafe® training to School District employees on a scheduled training date to be determined for a maximum of 35 employees, per training date.
 - 1. FSS will offer the course for eligible employees at an additional cost of \$75.00 per person, if requested by the School District.
 - 2. The education provided through ServSafe® courses will complement the services provided by FSS, and fulfill the 10-hour Sanitation and Safety component of SNA Certification, as well as CalCode requirements above.
 - 3. Testing materials will also be included in the total cost of \$75.00 per person. Textbooks are not included in this cost, and may be ordered at the current prevailing rate at time of order.

II. Materials

- A. Sufficient cleaning products and OSHA approved dispensing systems will be provided and replenished as needed at each Participating School.
- B. SDS, posters, binders, procedure guides, and ancillary items (e.g., pac cutters, sanitizer test strips) will be provided and replenished as needed at each Participating School.
- C. Each of the Participating Schools is granted a non-exclusive license to use the program and the program materials. FSS will take steps to safeguard use of the program content by entities operating without an agreement from FSS or a related entity.
- D. Providing chemical service application and delivery.



III. **Service**

- A. FSS service technicians will visit each of the Participating schools nine (9) times per full school year in accordance with the Training Schedule. FSS service technicians are certified in the administration, instruction and recognition of HACCP program integrity and verification.
- B. FSS service technicians will survey and audit each Participating School's kitchen, and provide immediate corrective action, staff training, action documentation, and supervisor notifications for follow ups. The survey and audit is intended to measure due-diligence and verify system execution and staff motivation.

IV. **Reports / Review**

- A. FSS will provide documentation of the education received for School District due diligence files.
- B. All materials required for OSHA compliance will be placed in and kept current in each of the Participating Schools.
- C. After completion of each survey and audit, FSS will generate a service report that documents program compliance and areas where further management action is required. These reports can serve as critical due-diligence confirmation, and provide the School District with an electronic record of program compliance.
- D. After each full school year, FSS's general manager will meet with district administrators to review the year's accomplishments and make recommendations for program improvement.



SCHEDULE B

SWEETWATER UNION HIGH SCHOOL DISTRICT SY 2017-18 PARTICIPATING SITES

	Elementary Schools	Middle Schools	High Schools	Central Kitchens Warehouse
1		Bonita Vista MS	Bonita Vista HS	
2		Castle Park MS	Castle Park HS	
3		Chula Vista MS	Chula Vista HS	
4		Eastlake MS	Eastlake HS	
5		Granger JHS	Hilltop HS	
6		Hilltop MS	Mar Vista HS	
7		Mar Vista Academy	Montgomery HS	
8		Montgomery MS	Olympian HS	
9		National City MS	Otay Ranch HS	
10		Rancho del Rey MS	San Ysidro HS	
11		Southwest MS	Southwest HS	
12			Sweetwater HS	
13				
14				
15				
16				
17				
18				
19				
20				



June 26, 2017

Board Item - P.-1.

Issue:

Revised Board Policy.

Superintendent's Recommendation:

Approve revised Board Policy 3513.1, Cellular Phones.

Analysis:

It is the goal of the superintendent and staff to review the district's board policies and bring new or revised policies to the board of trustees for approval.

This policy has been revised to eliminate Cellular Phone Stipends.

For questions regarding this board item, please contact Karen Michel at (619) 691-5550 or karen.michel@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
BP 3513.1 Cellular Phones Current Working Draft	Backup Material
BP 3513.1 Cellular Phones Unadopted Revised Policy	Backup Material

Business and Noninstructional Operations

BP 3513.1

CELLULAR PHONES

Purpose

The Board of Trustees recognizes the importance of providing adequate communication among district staff, parents/guardians, schools and suppliers of support materials.

District/Site Funded Cell Phones (Nextel)

School district cellular phones may be provided for official district business use. The district shall limit provision of cellular phones to individuals who, in the conduct of the district business, must regularly and frequently, while away from a desk phone, need communication with schools, staff or other agencies as a business necessity, or who have emergency and urgent response duties. The Board has established that certain staff members, on a limited basis, in the department of information technology, maintenance, food services and transportation automatically qualify for such phones.

Cellular phone users are responsible for reviewing their cell phone invoices and reimbursing the district for all charges associated with personal calls.

~~Cellular Phone Stipends~~

~~The Board has authorized the Superintendent or his/her designee to establish a \$40 cellular phone stipend for designated district/site management personnel.~~

~~Exceptions to the designated employees must complete applications for such phones annually and will be reviewed on a case by case basis.~~

Business and Noninstructional Operations

BP 3513.1

CELLULAR PHONES

Purpose

The Board of Trustees recognizes the importance of providing adequate communication among district staff, parents/guardians, schools and suppliers of support materials.

District/Site Funded Cell Phones (Nextel)

School district cellular phones may be provided for official district business use. The district shall limit provision of cellular phones to individuals who, in the conduct of the district business, must regularly and frequently, while away from a desk phone, need communication with schools, staff or other agencies as a business necessity, or who have emergency and urgent response duties. The Board has established that certain staff members, on a limited basis, in the department of information technology, maintenance, food services and transportation automatically qualify for such phones.

Cellular phone users are responsible for reviewing their cell phone invoices and reimbursing the district for all charges associated with personal calls.



June 26, 2017

Board Item - Q.-1.

Issue:

Annual Resolution No. 2487.

Superintendent's Recommendation:

Adopt annual Resolution No. 2487, Authorizing Temporary Transfer of Funds for Maintenance Purposes.

Analysis:

This resolution requests the temporary transfer of funds by the Board of Supervisors of the County of San Diego. The California Constitution, Article XVI, Section 6, and Education Code Section 42620 or 85220, provide that the Treasurer of the County of San Diego shall have the power and it shall be his duty to make such temporary transfer from the funds in his custody as may be necessary to provide funds for meeting the obligations incurred for maintenance purposes by any district whose funds are in his custody and are paid out solely through his office; such temporary transfer of funds shall be made only upon resolution adopted by the governing board of the county to make such temporary transfer; and such temporary transfer of funds shall not exceed 85 percent of anticipated revenue accruing to the district, shall not be made prior to the first day of the fiscal year nor after the last Monday in April of the current fiscal year, and shall be replaced from the revenues accruing to such district before any other obligation of the district.

For questions regarding this board item, please contact Karen Michel at (619) 691-5550 or karen.michel@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
 Reso 2487	Backup Material

SWEETWATER UNION HIGH SCHOOL DISTRICT

RESOLUTION NO. 2487

**REQUESTING TEMPORARY)
TRANSFER OF FUNDS)**

ON THE MOTION OF Member _____, seconded by Member _____, the following resolution is adopted:

WHEREAS, the California Constitution, Article XVI, Section 6, and Education Code Section 42620 or 85220, provide that the Treasurer of the County of San Diego (Treasurer) shall have the power and it shall be his duty to make such temporary transfer from the funds in his custody as may be necessary to provide funds for meeting the obligations incurred for maintenance purposes by any district whose funds are in his custody and are paid out solely through his office; such temporary transfer of funds shall be made only upon resolution adopted by the governing board of the county to make such temporary transfer; such temporary transfer of funds shall not exceed 85 percent of anticipated revenue accruing to the district, shall not be made prior to the first day of the fiscal year nor after the last Monday in April of the current fiscal year, and shall be replaced from the revenues accruing to such district before any other obligation of the district; and

WHEREAS, on June 26, 2017, the governing board will/has:

- _____ Adopt a tentative budget (community college only)
- _____ Adopt a final budget (community college only)
- _____ X Adopt an original budget (K-12 school district only)
- _____ Adopt a revised budget (community college or K-12 school district)

for this district for fiscal year 2017-2018 pursuant to the provisions of Education Code Section 42127 or 70901, and the revenue type(s) accruing to the district for said fiscal year are estimated to be as follows:

<u>Revenue Type(s)</u>	<u>Estimated Amount(s)</u>	
<u>X</u> Property Taxes	\$ 79,169,513	
<u>X</u> Principal Apportionment(s)	\$ 235,979,127	
<u>X</u> Education Protection Acct	\$ 53,556,425	
	<u>\$ 368,705,065</u>	Total

WHEREAS, the revenue type(s) and amount(s) accrued to this district during the 2016-2017 fiscal year were as follows:

<u>Revenue Type(s)</u>	<u>Amount(s)</u>
<u> X </u> Property Taxes	\$ 79,167,681
<u> X </u> Principal Apportionment(s)	\$ 222,173,637
<u> X </u> Education Protection Acct	\$ 58,157,026
	<u>\$ 359,498,344</u> Total

WHEREAS, it is necessary to provide funds for meeting obligations incurred for maintenance purposes by this district.

NOW, THEREFORE, IT IS RESOLVED AND ORDERED, pursuant to the provisions of the California Constitution, Article XVI, Section 6, and Education Code Section 42620 or 85220 as follows: The Board of Supervisors of the County of San Diego is requested to direct the Treasurer to make a temporary transfer from the funds in his custody on or before the last Monday in April 2017-2018, to this district to meet obligations incurred for maintenance purposes in the amount of \$313,399,305, which does not exceed a total of 85 percent of remaining:

<u>Revenue Type(s)</u>
<u> X </u> Property Taxes
<u> X </u> Principal Apportionment(s)
<u> X </u> Education Protection Account

accruing to the district by June 30, 2017, as certified by the district superintendent and verified by the County Auditor and Controller.

1. Funds will be transferred to this district by the Treasurer in sums as requested by the district superintendent and certified by him to be necessary to provide funds for meeting the obligations incurred for maintenance purposes by the district not to exceed the maximum amount herein specified, provided the Treasurer determines that funds in his custody are available for such transfers.

2. Repayment of the funds is anticipated to be made from the:

Revenue Type(s)

 X Property Taxes
 X Principal Apportionment(s)
 X Education Protection Account

accruing to the district, however, the district recognizes that the source of repayment may be from other revenues accruing to the district before any other obligation. Interest on any transferred funds will accrue and be payable by the district, at the greater of the same interest rate the County of San Diego Investment Pool is earning or a proxy TRAN cost as determined by the market until the entire amount transferred is repaid. Each month, the appropriate interest rate to be used will be identified, and the resulting calculated interest will be charged.

3. The clerk of this board is directed to file a copy of this resolution with the Board of Supervisors, the County Superintendent of Schools, the County Auditor and Controller, and the County Treasurer-Tax Collector.
4. Authorize the district superintendent or designee to sign a Temporary Transfer Agreement consistent with the terms of this Resolution.

PASSED AND ADOPTED by the Board of Trustees of the Sweetwater Union High School District, County of San Diego, State of California, this 26th day of June 2017, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

STATE OF CALIFORNIA)
)SS
COUNTY OF SAN DIEGO)

I, Deanne Vicedo, Clerk of the Governing Board of the Sweetwater Union High School District of San Diego County, State of California, do hereby certify that the foregoing is a true copy of a resolution adopted by the board at a regular meeting thereof, at the time and by the vote therein stated, which original resolution is on file in the office of said board.

Deanne Vicedo, Clerk

June 26, 2017
Date



June 26, 2017

Board Item - Q.-2.

Issue:

Annual Resolution No. 4231.

Superintendent's Recommendation:

Adopt annual Resolution No. 4231, Authorizing the Transfer of Revenues from Incremental Increases in Tax Rates into the Education Protection Account During the 2017-2018 Fiscal Year.

Analysis:

Proposition 30 added Article XIII, Section 36 to the California Constitution effective November 7, 2012. The provisions of Article XIII, Section 36(e) create in the state General Fund an Education Protection Account to receive and disburse the revenues derived from the incremental increases in taxes imposed by Article XIII, Section 36(f).

Before June 30 of each year, the director of finance shall estimate the total amount of additional revenues, less refunds that will be derived from the incremental increases in tax rates made pursuant to Article XIII, Section 36(f) that will be available for transfer into the Education Protection Account during the next fiscal year. As a requisite, the district must annually post on its website an accounting of how much money was received from EPA and how that money was spent. Due to the annual requirement for board action and the fact that EPA apportionments will not be certified until late in the 2017-2018 fiscal year, the district must estimate EPA revenue.

For questions regarding this board item, please contact Karen Michel at (619) 691-5550 or karen.michel@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
 Reso 4231	Backup Material

SWEETWATER UNION HIGH SCHOOL DISTRICT

RESOLUTION NO. 4231

**RESOLUTION AUTHORIZING THE
TRANSFER OF REVENUES FROM
INCREMENTAL INCREASES IN
TAX RATES INTO THE EDUCATION
PROTECTION ACCOUNT DURING
THE 2017-2018 FISCAL YEAR**)
)
)
)
)
)

ON THE MOTION OF Member _____, seconded by Member _____, the following Resolution is adopted:

WHEREAS, the voters approved Proposition 30 on November 6, 2012; and

WHEREAS, Proposition 30 added Article XIII, Section 36 to the California Constitution effective November 7, 2012; and

WHEREAS, the provisions of Article XIII, Section 36(e) create in the state General Fund an Education Protection Account to receive and disburse the revenues derived from the incremental increases in taxes imposed by Article XIII, Section 36(f); and

WHEREAS, before June 30th of each year, the director of finance shall estimate the total amount of additional revenues, less refunds that will be derived from the incremental increases in tax rates made pursuant to Article XIII, Section 36(f) that will be available for transfer into the Education Protection Account during the next fiscal year; and

WHEREAS, if the sum determined by the State Controller is positive, the State Controller shall transfer the amount calculated into the Education Protection Account within ten (10) days preceding the end of the fiscal year; and

WHEREAS, all monies in the Education Protection Account are hereby continuously appropriated for the support of school districts, county offices of education, charter schools and community college districts; and

WHEREAS, monies deposited in the Education Protection Account shall not be used to pay any costs incurred by the Legislature, the Governor or any agency of state government; and

WHEREAS, a community college district, county office of education, school district, or charter school shall have the sole authority to determine how the monies received from the Education Protection Account are spent in the school or schools within its jurisdiction; and

WHEREAS, the governing board of the district shall make the spending determinations with respect to monies received from the Education Protection Account in open session of a public meeting of the governing board; and

WHEREAS, the monies received from the Education Protection Account shall not be used for salaries or benefits for administrators or any other administrative cost; and

WHEREAS, each community college district, county office of education, school district and charter school shall annually publish on its internet website an accounting of how much money was received from the Education Protection Account and how that money was spent; and

WHEREAS, the annual independent financial and compliance audit required of community college districts, county offices of education, school districts and charter schools shall ascertain and verify whether the funds provided from the Education Protection Account have been properly disbursed and expended as required by Article XIII, Section 36 of the California Constitution; and

WHEREAS, expenses incurred by community college districts, county offices of education, school districts and charter schools to comply with the additional audit requirements of Article XIII, Section 36, may be paid with funding from the Education Protection Act and shall not be considered administrative costs for purposes of Article XIII, Section 36.

NOW, THEREFORE, BE IT RESOLVED:

1. The monies received from the Education Protection Account shall be spent as required by Article XIII, Section 36 and the spending determinations on how the money will be spent shall be made in open session of a public meeting of the Governing Board of the Sweetwater Union High School District; and
2. In compliance with Article XIII, Section 36(e), with the California Constitution, the Governing Board of the Sweetwater Union High School District has determined to spend the monies received from the Education Protection Act as attached.

PASSED AND ADOPTED by the Board of Trustees of the Sweetwater Union High School District, County of San Diego, State of California, this 26th day of June, 2017, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

STATE OF CALIFORNIA)
COUNTY OF SAN DIEGO)SS

Resolution No. 4231
June 26, 2017
Page 3

I, Deanne Vicedo, Clerk of the Governing Board of the Sweetwater Union High School District of San Diego County, State of California, do hereby certify that the foregoing is a true copy of a resolution adopted by the board at a regular meeting thereof, at the time and by the vote therein stated, which original resolution is on file in the office of said board.

Deanne Vicedo, Clerk

June 26, 2017
Date

2017-18 Education Protection Account
Program by Resource Report
Expenditures by Function - Detail

2017-2018 Proposed Budget
For Fund 01, Resource 1400 Education Protection Account

Description	Object Codes	Amount
AMOUNT AVAILABLE FOR THIS FISCAL YEAR		
Adjusted Beginning Fund Balance	9791-9795	0.00
Revenue Limit Sources	8010-8099	53,556,425.00
Federal Revenue	8100-8299	0.00
Other State Revenue	8300-8599	0.00
Other Local Revenue	8600-8799	0.00
All Other Financing Sources and Contributions	8900-8999	0.00
Deferred Revenue	9650	0.00
TOTAL AVAILABLE		53,556,425.00
EXPENDITURES AND OTHER FINANCING USES		
(Objects 1000-7999)		
Instruction	1000-1999	53,556,425.00
Instruction-Related Services		
Instructional Supervision and Administration	2100-2150	0.00
AU of a Multidistrict SELPA	2200	0.00
Instructional Library, Media, and Technology	2420	0.00
Other Instructional Resources	2490-2495	0.00
School Administration	2700	0.00
Pupil Services		
Guidance and Counseling Services	3110	0.00
Psychological Services	3120	0.00
Attendance and Social Work Services	3130	0.00
Health Services	3140	0.00
Speech Pathology and Audiology Services	3150	0.00
Pupil Testing Services	3160	0.00
Pupil Transportation	3600	0.00
Food Services	3700	0.00
Other Pupil Services	3900	0.00
Ancillary Services	4000-4999	0.00
Community Services	5000-5999	0.00
Enterprise	6000-6999	0.00
General Administration	7000-7999	0.00
Plant Services	8000-8999	0.00
Other Outgo	9000-9999	0.00
TOTAL EXPENDITURES AND OTHER FINANCING USES		53,556,425.00
BALANCE (Total Available minus Total Expenditures and Other Financing Uses)		0.00



June 26, 2017

Board Item - Q.-3.

Issue:

Resolution No. 4510.

Superintendent's Recommendation:

* Adopt Resolution No. 4510, for Board Member Compensation for Nonattendance at a Regular Board Meeting.

Analysis:

Per Education Code Section 35120 and Board Bylaw 9250, a board member may be paid for any meeting from which he or she is absent if the board, by resolution, finds that at the time of the meeting, he or she was performing services outside the meeting on behalf of the board, he or she was ill or on jury duty, or the absence was due to a hardship deemed acceptable by the board.

Member Pike was unable to attend the Regular Board Meeting of June 12, 2017, due to an illness. Adoption of this Resolution will allow Mr. Pike to be compensated for that meeting.

For questions regarding this board item, please contact Deanne Vicedo at 619/585-4405 or deanne.vicedo@sweetwaterschools.org.

Fiscal Impact:

None.

ATTACHMENTS:

Description	Type
☐ Reso No. 4510	Resolution Letter

SWEETWATER UNION HIGH SCHOOL DISTRICT

RESOLUTION NO. 4510

**RESOLUTION FOR BOARD
MEMBER COMPENSATION FOR
NONATTENDANCE AT A
REGULAR BOARD MEETING**

ON THE MOTION OF Member _____, seconded by Member _____,
the following resolution is adopted.

WHEREAS, Education Code Section 35120 authorizes members of a school district board of education to receive remuneration; and

WHEREAS, the amount of such remuneration is specified in Education Code Section 35120; and

WHEREAS, Education Code Section 35120 and Board Bylaw No. 9250 provide that a board member may be paid for any meeting from which he or she is absent if the board, by resolution duly adopted and included in its minutes, finds that at the time of the meeting, he or she was performing services outside the meeting on behalf of the board, he or she was ill or on jury duty, or the absence was due to a hardship deemed acceptable by the board; and

WHEREAS, Board Member Kevin J. Pike was unable to attend the Regular Board Meeting of June 12, 2017; and

WHEREAS, Member Pike's absence was due to an illness.

NOW, THEREFORE, BE IT RESOLVED, that Kevin J. Pike be compensated for the June 12, 2017, Regular Board Meeting that he was unable to attend.

PASSED AND ADOPTED by the Board of Trustees of the Sweetwater Union High School District, County of San Diego, State of California, the 26th day of June, 2017, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

State of California)
County of San Diego) SS

Resolution No. 4504
June 26, 2017
Page 2

I, Arturo Solis, President of the Board of Trustees of the Sweetwater Union High School District, County of San Diego, State of California, do hereby certify that the foregoing is a true copy of a resolution adopted by said board at a regular meeting thereof, at the time and by the vote therein stated, which original resolution is on file in the office of said board.

Arturo Solis, President

June 26, 2017
Date

Paula Hall, Vice President

Kevin J. Pike, Member

Nicholas Segura, Member

Frank A. Tarantino, Member



June 26, 2017

Board Item - R.-1.

Issue:

Ordinance No. 22.

Superintendent's Recommendation:

Mello-Roos

Acting as the legislative body for Community Facilities District Nos. 1, 2, 3, 4, 5, 6, 8, 9A, 9B, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20.

* Conduct second reading (motion to conduct reading by title only) and adopt Ordinance No. 22, Ordinance of Community Facilities District No. 19 of the Sweetwater Union High School District Authorizing the Levy of a Special Tax Within Improvement Area Nos. 1 and 2 of Community Facilities District No. 19.

Analysis:

The Board of Trustees ("Board") of the Sweetwater Union High School District ("District"), acting as the Legislative Body of Community Facilities District No. 19 of the Sweetwater Union High School District ("CFD No. 19") has previously undertaken proceedings to form CFD No. 19 pursuant to the terms of agreements entered into with certain property owners and the Mello-Roos Community Facilities Act of 1982, as amended ("Mello-Roos Act"). In accordance with the Mello-Roos Act, following the adoption and authorization resolutions and the conducting of special tax elections (which were completed on June 12, 2017) relative to the formation of CFD No. 19 and the Improvement Areas thereof, the legislative body of the public agency forming the community facilities district must adopt an ordinance authorizing the levy of the special tax. Pursuant to the provisions of the Mello-Roos Act, the Board, acting as the Legislative Body of CFD No. 19, is granted the same authority to adopt ordinances for this purpose as are held by California cities. The ordinance procedure prescribed by law requires a two-step (first reading/second reading) process before the ordinance may be adopted. The Board completed the first reading at the Board meeting held on June 12, 2017.

This item is to conduct the "second reading" of Ordinance No. 22.

As part of conducting this second reading, the Board may, by motion passed by the Board, have only the title of the Ordinance read by the Clerk and then have the Ordinance made available for any member of the public who desires to review it. Such a motion could be in the following form:

“Motion - I move that Ordinance No. 22 be presented by reading of the title only and that the Clerk foregoes the reading of the entire Ordinance.”

If the foregoing motion, or an equivalent, is not passed, then Ordinance No. 22 must be read in its entirety at the Board meeting. Following the second reading of the Ordinance, Ordinance No. 22 would be adopted by the Board.

For questions regarding this board item, please contact Karen Michel at 619/691-5550 or karen.michel@sweetwaterschools.org.

Fiscal Impact:

There is no fiscal impact as the Developer is funding the costs to form CFD No. 19, subject to reimbursement without interest from proceeds of Bonds of CFD No. 19, consistent with applicable law when issued.

ATTACHMENTS:

Description	Type
 Ordinance No. 22	Backup Material

SWEETWATER UNION HIGH SCHOOL DISTRICT

ORDINANCE NO. 22

**ORDINANCE OF COMMUNITY FACILITIES)
DISTRICT NO. 19 OF THE SWEETWATER)
UNION HIGH SCHOOL DISTRICT)
AUTHORIZING THE LEVY OF A SPECIAL TAX)
WITHIN IMPROVEMENT AREA NOS. 1 AND 2)
OF COMMUNITY FACILITIES DISTRICT NO. 19)**

ON THE MOTION of Member _____, seconded by Member _____, the following ordinance is hereby adopted:

WHEREAS, on May 8, 2017, the Board of Trustees ("Board") of the Sweetwater Union High School District ("District") adopted Resolution No. 4500 stating its intention to form Community Facilities District No. 19 of the Sweetwater Union High School District ("CFD No. 19") and the Improvement Areas thereof ("Improvement Areas") pursuant to the Mello-Roos Community Facilities Act of 1982, as amended ("Act"); and

WHEREAS, on June 12, 2017, the Board completed a noticed public hearing, as required by law, relative to the determination to form CFD No. 19, to form the Improvement Areas, the Rate and Method of Apportionment of Special Taxes for each Improvement Area (each an "RMA"), which are attached as Exhibits "A-1" and "A-2" hereto and incorporated herein by this reference, the public facilities to be paid for and/or financed by CFD No. 19 and the Improvement Areas ("Facilities"), the authorization to incur bonded indebtedness within the Improvement Areas, and related matters; and

WHEREAS, the Board, subsequent to said hearing, adopted Resolution No. 4506, which formed CFD No. 19 and the Improvement Areas thereof, authorized the levy of special taxes within each Improvement Area of CFD No. 19 pursuant to the RMA for the respective Improvement Area, and called a special election within each Improvement Area of CFD No. 19 to be held on June 12, 2017, on the proposition to incur bonded indebtedness, levy special taxes, and set an appropriations limit; and

WHEREAS, on June 12, 2017, a special election was held within each Improvement Area of CFD No. 19 in which the eligible voters approved by more than two-thirds (2/3) vote the proposition of levying special taxes and setting an appropriations limit for that respective Improvement Area of CFD No. 19.

NOW, THEREFORE, THE BOARD OF TRUSTEES OF THE SWEETWATER UNION HIGH SCHOOL DISTRICT, ACTING AS THE LEGISLATIVE BODY OF COMMUNITY FACILITIES DISTRICT NO. 19, DOES HEREBY ORDAIN AS FOLLOWS:

Section 1. The foregoing recitals are all true and correct.

Section 2. By passage of this Ordinance, the Board authorizes the levy of the special taxes on property within Improvement Area No. 1 of Community Facilities District No. 19 pursuant to the formula set forth in the Rate and Method of Apportionment of Special Taxes for Improvement Area No. 1, attached hereto as Exhibit "A-1" and incorporated herein by this reference, in an amount necessary to pay all amounts payable with respect to financing and/or otherwise

paying for the Facilities and other obligations within the boundaries of CFD No. 19.

- Section 3. By passage of this Ordinance, the Board authorizes the levy of the special taxes on property within Improvement Area No. 2 of Community Facilities District No. 19 pursuant to the formula set forth in the Rate and Method of Apportionment of Special Taxes for Improvement Area No. 2, attached hereto as Exhibit "A-2" and incorporated herein by this reference, in an amount necessary to pay all amounts payable with respect to financing and/or otherwise paying for the Facilities and other obligations within the boundaries of CFD No. 19.
- Section 4. The Board is hereby authorized each year, by resolution, to determine the rate of such special taxes and amount to be levied for the next following fiscal year, except that the special taxes to be levied shall not exceed the rates determined in accordance with the RMAs.
- Section 5. To the extent provided in each RMA, properties or entities of the state, federal, or other local governments shall be exempt from the above-authorized special taxes within the corresponding Improvement Area of CFD No. 19, except that, notwithstanding this Ordinance, when property not otherwise exempt from such special taxes is acquired by a public entity through a negotiated transaction, or by gift or devise, the special taxes shall continue to be levied on such property and shall be enforceable against the public entity that acquired the property. Any property within an Improvement Area of CFD No. 19 that is conveyed to a public school district for use as a public school site will be subjected to the applicable provisions of state law, the Act, and the corresponding RMA.
- Section 6. No other properties or entities shall be exempt from the above-authorized special taxes unless the properties or entities are expressly exempted by applicable law, Resolution No. 4506, adopted by the Board on June 12, 2017, and the RMAs.
- Section 7. All of the collections of the above-authorized special taxes shall be used as provided for in the Act and in Resolution No. 4506.
- Section 8. The above-authorized special taxes may be collected in the same manner as ordinary *ad valorem* taxes are collected and may be subject to the same penalties and the same procedure, sale, and lien priority in cases of delinquency as provided for *ad valorem* taxes, or another procedure of levy and collection of such special taxes as may be adopted or designated by the Board.
- Section 9. The San Diego County Treasurer-Tax Collector may deduct reasonable administration costs incurred in collecting the above-authorized special taxes.
- Section 10. As a cumulative remedy, if any amount levied pursuant to this Ordinance as special taxes for the purposes of paying interest and/or principal on any bonds or other securities, together with any penalties

or other charges accruing under this Ordinance, are not paid when due, then, not later than four (4) years after the due date of the last installment of principal, the Board may order that such amounts be collected by an action brought in the superior court to foreclose any lien securing such amount.

Section 11. This Ordinance relating to the levy of the special taxes within CFD No. 19 and the Improvement Areas thereof shall take effect thirty (30) days after adoption by the Board.

ORDAINED, ENACTED AND ADOPTED by the Board of Trustees of the Sweetwater Union High School District, acting as the Legislative Body of Community Facilities District No. 19, County of San Diego, State of California, this 26th day of June, 2017, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

STATE OF CALIFORNIA)
) ss
COUNTY OF SAN DIEGO)

I, Deanne Vicedo, Clerk of the Board of Trustees of the Sweetwater Union High School District of San Diego County, California, do hereby certify that the foregoing is a full, true, and correct copy of an ordinance duly adopted by said Board at its regular meeting thereof on the date and by the vote set forth above, which ordinance is on file and of record in the main administrative offices of the District.

Deanne Vicedo, Clerk

June 26, 2017
Date

Ordinance No. 22
June 12, 2017
Page 4

EXHIBIT "A-1"

**RATE AND METHOD OF APPORTIONMENT OF SPECIAL TAX FOR COMMUNITY
FACILITIES DISTRICT NO. 19 (IMPROVEMENT AREA NO. 1)**

Ordinance No. 22
June 12, 2017
Page 5

EXHIBIT "A-2"

**RATE AND METHOD OF APPORTIONMENT OF SPECIAL TAX FOR COMMUNITY
FACILITIES DISTRICT NO. 19 (IMPROVEMENT AREA NO. 2)**