

**MULTI-PRIME BIDDING DOCUMENTS
FOR THE
BUENA PARK SCHOOL DISTRICT
FOR**

**CARL E. GILBERT ELEMENTARY SCHOOL PRE-K AND TK
CLASSROOM BUILDING**

AT

CARL E. GILBERT ELEMENTARY SCHOOL

7255 8th Street, Buena Park, CA, 90621

DSA Application No. 04-123212

Bid No. 2406 BPSD-Gilbert PreK-Bid-08082024

**BUENA PARK SCHOOL DISTRICT
SCHOOL DISTRICT**

6885 Orangethorpe Ave, Buena Park, CA , 90620

May 2023

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NOTICE INVITING BIDS

BUENA PARK SCHOOL DISTRICT

NOTICE IS HEREBY GIVEN that the Buena Park School District, acting by and through its Governing Board, hereinafter referred to as “District”, will receive prior to **2:00 PM on Thursday August 8th, 2024** sealed Prime bids for the award of a Contract for the following:

BID NO. 2406 BPSD-Gilbert PreK-Bid-08082024

Carl E. Gilbert Elementary School TK-PK Classroom & Early Learning Building

<u>BID PACKAGE:</u>	<u>TRADE(S) DESCRIPTION:</u>	<u>LICENSE #:</u>	<u>Prequalification Requirement</u>	<u>ENGINEER'S ESTIMATE</u>	<u>OWNER'S ALLOWANCE</u>	<u>TOTAL BP ESTIMATE</u>
1	General Conditions, Finishes and Specialties	A or B	Yes	\$1,200,000	\$80,000	\$1,280,000
2 – Not in Bid	Demolition and Earthwork- Contract Awarded in previous bid	NA	No	NA	NA	NA
3	Structural Concrete, Site Concrete and Concrete Reinforcing	C-8 or B	No	\$1,500,000	\$50,000	\$1,550,000
4	Structural Steel and Misc. Metals	C-51	No	\$550,000	\$25,000	\$575,000
5	Gypsum Board and Plaster	C-9	No	\$1,100,000	\$50,000	\$1,150,000
6	Wood Framing	C-5 or B	No	\$1,500,000	\$50,000	\$1,550,000
7	Roofing and Sheet Metal	C-39 or C-43	Yes	\$1,800,000	\$50,000	\$1,850,000
8	Doors and Hardware	B or C-61(D28)	No	\$200,000	\$15,000	\$215,000
9	Window and Storefront	C-17	No	\$175,000	\$20,000	\$195,000
10	Casework	C-6	No	\$150,000	\$20,000	\$170,000
11	Site Utilities	B or C-36	Yes	\$550,000	\$50,000	\$550,000
12	Building Plumbing	C-36	Yes	\$475,000	\$20,000	\$495,000
13	HVAC	C-20	Yes	\$900,000	\$20,000	\$920,000
14	Electrical, Low Voltage and Fire Alarm	C-10	Yes	\$1,800,000	\$100,000	\$1,900,000
15	Landscape and Irrigation	C-27 or A	No	\$325,000	\$30,000	\$355,000
16	Base and Asphalt	C-12 or A	No	\$850,000	\$25,000	\$875,000
17	Metal gates and fencing	C-23	No	\$215,000	\$20,000	\$235,000
NA	Shade structure - CMAS Not in Bid	NA	NA	NA	NA	NA
NA	Play equipment - CMAS Not in Bid	NA	NA	NA	NA	NA

Notice Inviting Bid

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Mandatory Job walk will be held on Tuesday, July 23, 2024 at 8am at the project site located at 7255 8th Street, Buena Park, CA, 90621.

All bids shall be made and presented only on the forms presented by the District and Construction Manager. Bids shall be received in the Office of the Buena Park School District at **6885 Orangethorpe Ave. Buena Park, California 90620** and shall be opened and publicly read aloud at the above state time and place. Any bids received after the time specified above or after any extensions due to material changes shall be returned unopened. The District's time clock shall govern and control the time for all bids to be received by the District and no other clock shall be used to determine the time when bids shall be received by the District in accordance with this Notice Inviting Bids.

For a more detailed discussion on Contract Time, Trade Contractor must refer to the General Conditions, Supplementary Conditions, Trade Contractor Scope of Work (1010s), Bid Package Scope of Work and General Requirements regarding Milestones and Liquidated Damages.

Prequalification of Bidders

As a condition of bidding for this Project, and in accordance with California Public Contract Code Section 20111.6, prospective bidders are required to submit to the District a completed set of prequalification documents on forms provided by the District. These documents will be the basis for determining which bidders are qualified to bid on this Project.

Bids will not be accepted if a Trade Contractor has not been prequalified where prequalification is required. Prequalification documents are available from the Buena Park School District Website at <https://www.bpsd.us/divisions/operational-services/pre-qualified-contractor-information>, Prequalification documents must be submitted by July 29th 2024. Trade Contractors will be notified by telephone, fax or by mail of their prequalification rating within a reasonable period of time after submission of their prequalification documents, but not less than five business days prior to the bid opening date.

This project requires that the following Prime Contractors are prequalified with the District BP01, BP07, BP11, BP12, BP13, BP14. Additionally, any first tier MEP subcontractors (contractors that **hold** C-4, C-7, C-10, C-16, C-20, C-34, C-36, C-38, C-42, C-43 or C-46 licenses), such MEP subcontractors must also be prequalified. A list of prequalified MEP subcontractors will be made available by the District to all bidders at least five business days prior to the bid opening date. It is the responsibility of the bidder to ensure that all MEP subcontractors **holding** any of the licenses listed above are properly prequalified before submitting a bid. This prequalification requirement applies even if the subcontractor will perform, or is designated to perform, work that does not require one of the licenses listed above, but the subcontractor **holds** one of the licenses listed above.

Additive/ Deductive Bid Alternates (See Instruction to Bidders)

Notice Inviting Bid

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If the District has included additive/ deductive alternates which require all bidders to price as part of their bid, the District will utilize the following method to determine the lowest bidder in accordance with Public Contract Code Section 20103.8:

The lowest bid shall be the lowest bid price on the base contract without consideration of the prices on the additive or deductive items.

~~The~~ lowest bid shall be the lowest total of the bid prices on the base contract and the following additive or deductive items:

No Additive or Deductive Bid Alternates.

The lowest bid shall be the lowest total of the bid prices on the base contract and the following additive or deductive items taken in order as listed below depending upon the available funds for this Project which is estimated at:

The lowest bid shall be determined in a manner that prevents any information that would identify any of the bidders from being revealed to the District before the ranking of all bidders from lowest to highest has been determined. The procedures the District will utilize to conceal the identity of any of the bidders will be as follows:

**Note: Pursuant to Public Contract Code Section 20103.8, the selection process selected does not preclude the District from using any of the additive or deductive alternates from the Contract after the lowest responsible responsive bidder has been determined.

Miscellaneous Information

Mandatory Job walk will be held on Tuesday, July 23, 2024 at 8am at the project site located at 7255 8th Street, Buena Park, CA, 90621.

Bids shall be received in the place identified above, and shall be opened and publicly read aloud at the above-stated time and place.

The bid documents are available upon request free of charge via Procore by emailing the Districts Construction Manager TELACU Construction Management attention Jim Nemecheck jnemecheck@telacu.com and Tim Spencer at tspencer@telacu.com. Or by visiting the District website at www.bpsd.us.

Each bidder shall be a licensed contractor pursuant to the California Business and Professions Code, and be licensed to perform the work called for in the Contract Documents. The successful bidder must possess a valid and active license in the Trade of Work as designated in the Trade Contractor Scope of Work and must be properly licensed at the time of bid and throughout the duration of this Contract. The Contractor's California State License number shall be clearly stated on the bidder's proposal

Trade Contractor's Subcontractors shall be licensed pursuant to California law for the trades necessary to perform the Work called for in the Contract Documents.

Notice Inviting Bid

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Each bid must strictly conform with and be responsive to the Contract Documents as defined in the General Conditions.

The District reserves the right to reject any or all bids or to waive any irregularities or informalities in any bids or in the bidding.

Each bidder shall submit with its bid — on the form furnished with the Contract Documents — a list of the designated subcontractors on this Project as required by the Subletting and Subcontracting Fair Practices Act, California Public Contract Code Sections 4100 et seq.

In accordance with California Public Contract Code Section 22300, the District will permit the substitution of securities for any moneys withheld by the District to ensure performance under the Contract. At the request and expense of the Trade Contractor, securities equivalent to the amount withheld shall be deposited with the District, or with a state or federally chartered bank as the escrow agent, who shall then pay such moneys to the Trade Contractor. Upon satisfactory completion of the Contract, the securities shall be returned to the Trade Contractor.

Each bidder's bid must be accompanied by one of the following forms of bidder's security: (1) cash; (2) a cashier's check made payable to the District; (3) a certified check made payable to the District; or (4) a bidder's bond executed by a California admitted surety as defined in Code of Civil Procedure Section 995.120, made payable to the District in the form set forth in the Contract Documents. Such bidder's security must be in an amount not less than ten percent (10%) of the maximum amount of bid as a guarantee that the bidder will enter into the proposed Contract, if the same is awarded to such bidder, and will provide the required Performance and Payment Bonds, insurance certificates and any other required documents. In the event of failure to enter into said Contract or provide the necessary documents, said security will be forfeited.

The Contractor and all subcontractors shall comply with the requirements set forth in Division 2, Part 7, Chapter 1 of the Labor Code. The District has obtained from the Director of the Department of Industrial Relations the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work in the locality in which this work is to be performed for each craft, classification or type of worker needed to execute the Contract. These per diem rates, including holiday and overtime work, as well as employer payments for health and welfare, pension, vacation, and similar purposes, are on file at the District, and are also available from the Director of the Department of Industrial Relations. Pursuant to California Labor Code Sections 1720 et seq., it shall be mandatory upon the Trade Contractor to whom the Contract is awarded, and upon any subcontractor under such Trade Contractor, to pay not less than the said specified rates to all workers employed by them in the execution of the Contract.

A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in the Labor Code, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

All payroll records as detailed in Labor Code §1776 of the Trade Contractor and all Subcontractors shall be certified and furnished directly to the Labor Commissioner in accordance with Labor Code

Notice Inviting Bid

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§1771.4(a)(3) once every thirty (30) days while Work is being performed on the Project and within thirty (30) days after the final day of Work performed on the Project (or more frequently if required by the District or the Labor Commissioner). The Trade Contractor and all Subcontractors shall submit their own payroll records to the Labor Commissioner on the internet website of the Department of Industrial Relations and such payroll records shall be in an electronic format and manner prescribed by the Labor Commissioner. Monitoring and enforcement of the prevailing wage laws and related requirements will be performed by the Labor Commissioner/ Department of Labor Standards Enforcement (DLSE).

No bidder may withdraw any bid for a period of ninety (90) calendar days after the date set for the opening of bids.

Separate payment and performance bonds, each in an amount equal to 100% of the total Contract amount, are required, and shall be provided to the District prior to execution of the Contract and shall be in the form set forth in the Contract Documents.

All bonds (Bid, Performance, and Payment) must be issued by a California admitted surety as defined in California Code of Civil Procedure Section 995.120.

Where applicable, bidders must meet the requirements set forth in Public Contract Code Section 10115 et seq., Military and Veterans Code Section 999 et seq. and California Code of Regulations, Title 2, Section 1896.60 et seq. regarding Disabled Veteran Business Enterprise (“DVBE”) Programs. Forms are included in this Bid Package.

Any request for substitutions pursuant to Public Contracts Code Section 3400 must be made at the time of Bid on the Substitution Request form set forth in the Contract Documents and included with the bid.

No telephone or facsimile machine will be available to bidders on the District premises at any time.

It is each bidder’s sole responsibility to ensure its bid is timely delivered and received at the location designated as specified above. Any bid received at the designated location after the scheduled closing time for receipt of bids shall be returned to the bidder unopened.

BUENA PARK SCHOOL DISTRICT

Notice Inviting Bid

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INSTRUCTIONS TO BIDDERS

1. Preparation of Bid Form. Proposals under these specifications shall be submitted on the blank forms furnished herewith at the time and place stated in the Notice Inviting Bids. The District's time clock shall govern and control the time for all bids to be received by the District and no other clock shall be used to determine the time when bids shall be received by the District in accordance with the Notice Inviting Bids. All blanks in the bid form must be appropriately filled in, and all proposed prices must be stated clearly and legibly in both words and numerals. All bids must be signed by the bidder in permanent blue ink and submitted in sealed envelopes, bearing on the outside, the Trade Contractor Category of Work, the bidder's name, address, telephone number, and California Contractor's License number, and the name of the Project for which the bid is submitted. The District reserves the right to reject any bid if all of the above information is not furnished. It is each bidder's sole responsibility to ensure its bid is timely delivered and received at the location designated as specified above. Any bid received at the designated location after the scheduled closing time for receipt of bids shall be returned to the bidder unopened.

2. Bid Security. Each bid must be accompanied by one of the following forms of bidder's security: (1) cash; (2) a cashier's check made payable to the District; (3) a certified check made payable to the District; or (4) a bidder's bond executed by a California admitted surety as defined in Code of Civil Procedure Section 995.120, made payable to the District, in the form set forth in the Contract Documents. Such bidder's security must be in an amount not less than ten percent (10%) of the maximum amount of such bidder's bid as a guarantee that the bidder will enter into the Contract, if the same is awarded to such bidder, and will provide the required Performance and Payment Bonds, insurance certificates and any other required documents. In the event that a bidder is awarded the Contract and such bidder fails to enter into said Contract or provide the surety bond or bonds within five (5) calendar days after award of the Contract to bidder, said security will be forfeited.

3. Signature. The bid form, all bonds, all designations of subcontractors, the Trade Contractor's Certificate, the Agreement, and all Guarantees must be signed in permanent blue ink in the name of the bidder and must bear the signature in longhand of the person or persons duly authorized to sign the bid.

If bidder is a corporation, the legal name of the corporation shall first be set forth, together with two signatures: one from the President and one from the Secretary or Assistant Secretary. Alternatively, the signature of other authorized officers or agents may be affixed, if a certified copy of the resolution of the corporate board of directors authorizing them to do so is provided to the District. Such documents shall include the title of such signatories below the signature and shall bear the corporate seal.

If bidder is a partnership, the true name of the firm shall first be set forth, together with the names of all persons comprising the partnership or co-partnership. The bid must be signed by all partners comprising the partnership unless proof in the form of a certified copy of a statement of partnership acknowledging the signer to be a general partner is presented to the District, in which case the general partner may sign.

Bids submitted as joint ventures must so state and be signed by each joint venturer.

Bids submitted by individuals must be signed by the bidder unless an up to date power- of-attorney is on file in the District office, in which case, said person may sign for the individual.

The above rules also apply in the case of the use of a fictitious firm name. In addition, however, where a fictitious name is used, it must be so indicated in the signature.

4. Modifications. Changes in or additions to the bid form, recapitulations of the work bid upon, alternative proposals, or any other modification of the bid form which is not specifically called for in the Contract Documents may result in the District's rejection of the bid as not being responsive to the Notice Inviting Bids. **No oral or telephonic modification of any bid submitted will be considered.**

5. Erasures, Inconsistent or Illegible Bids. The bid submitted must not contain any erasures, interlineations, or other corrections unless each such correction creates no inconsistency and is suitably authenticated by affixing in the margin immediately opposite the correction the signature or signatures of the person or persons signing the bid. In the event of inconsistency between words and figures in the bid price, words shall control figures. In the event that the District determines that any bid is unintelligible, inconsistent, or ambiguous, the District may reject such bid as not being responsive to the Notice Inviting Bids.

6. Examination of Site and Contract Documents. Each bidder shall visit the site of the proposed Work and become fully acquainted with the conditions relating to the construction and labor so that the facilities, difficulties, and restrictions attending the execution of the work under the Contract are fully understood. Bidders shall thoroughly examine and be familiar with the Drawings, specifications, Addenda, Contract Documents and Trade Contractor Scope of Work. The failure or omission of any bidder to receive or examine any Contract Documents, form, instrument, addendum, or other document or to visit the site and become acquainted with conditions there existing shall not relieve any bidder from obligations with respect to the bid or to the Contract. The submission of a bid shall be taken as prima facie evidence of compliance with this Section. Bidders shall not, at any time after submission of the bid, dispute, complain, or assert that there were any misunderstandings with regard to the nature or amount of work to be done.

7. Understanding of Schedule and Milestones. Trade Contractor understands that it is one of multiple Trade Contractors that has been contracted to construct the Project. Trade Contractor must thoroughly study the proposed Outline Schedule, Phases, and Milestones and determine:

- a. Timing of Work that will be performed by the Trade Contractor compared to other Trade Contractors
- b. Duration of Work and whether the duration is reasonable based on the Trade Category of Work and that of the other Trade Contractors that will all be simultaneously working on the Project.
- c. The key Milestones and Phases for Trade Contractor's Work.
- d. The dates when Submittals and Shop Drawings are to be delivered and reviewed
- e. Dates anticipated for Punch Lists for the Project.

The Project Baseline Schedule shall be built by CM based on the Outline Schedule and each Trade Contractor's realistic input on the Outline Schedule. Trade Contractor's failure to participate in preparing the Trade Contractor Baseline Schedule and Project Baseline Schedule will be deemed to have failed to participate in critical coordination activities necessary to ensure the Project will be completed in the Contract Time. Trade Contractor is also notified of Trade Contractor's obligation to undertake Punch List

Work at the end of the Project. Trade Contractor's Substantial Completion of Trade Contract Work does not result in release of Retention even if there are other Trade Contractors that must perform Work for several weeks or months after Trade Contractor's Work is Substantially Complete. Retention shall be released upon Completion of all Punch List Work for the Project.

8. Withdrawal of Bids. Any bid may be withdrawn, either personally or by written request, at any time prior to the scheduled closing time for receipt of bids. The bid security for bids withdrawn prior to the scheduled closing time for receipt of bids, in accordance with this paragraph, shall be returned upon demand therefor.

No bidder may withdraw any bid for a period of ninety (90) calendar days after the date set for the opening of bids.

9. Agreements and Bonds. The Agreement form which the successful bidder, as Trade Contractor, will be required to execute, and the forms and amounts of surety bonds which will be required to be furnished at the time of execution of the Agreement, are included in the bid documents and should be carefully examined by the bidder. The number of executed copies of the Agreement, the Performance Bond, and the Payment Bond required is three (3). Payment and Performance bonds must be executed by an admitted surety insurer as defined in Code of Civil Procedure 995.120.

10. Interpretation of Plans and Documents/Pre-Bid Clarification. If any prospective bidder is in doubt as to the true meaning of any part of the Contract Documents, or finds discrepancies in, or omissions, a written request for an interpretation or correction thereof may be submitted to the District. The bidder submitting the request shall be responsible for its prompt delivery. **Any interpretation or correction of the Contract Documents will only be made by Addendum duly issued, and a copy of such Addendum will be made available for each Trade Contractor receiving a set of the Contract Documents.** No person is authorized to make any oral interpretation of any provision in the Contract Documents, nor shall any oral interpretation be binding on the District. Trade Contractor shall not utilize inclusion or duplication of Trade Contractor's Work in another Trade Contractor's scope of Work to determine items that may not be included or excluded in Trade Contractor's Work. The only method to determine whether Work of another Trade Contractor results in exclusion or inclusion of Work is through a Request for Information that is included in an Addendum. If discrepancies on Drawings, specifications or elsewhere in the Contract Documents are not covered by addenda, bidder shall include in their bid methods of construction and materials for the higher quality and complete assembly. Each request for clarification shall be submitted in writing, via email, to only the following persons:

TO: Jim Nemecheck TELACU Construction Management at jnemecheck@telacu.com

Tim Spencer TELACU Construction Management at tspencer@telacu.com

Each transmitted request shall contain the name of the person and/or firm filing the request, address, telephone, and fax number, Specifications and/or Drawing number. Bidder is responsible for the legibility of hand written requests. Pre-bid clarification request shall be filed a minimum of **six (6)** days prior to bid opening. Requests received less than **six (6)** days before bid opening shall not be considered or responded to. A written response to timely pre-bid clarifications requests which materially affects the bidders price will be made by Addendum issued by the Buena Park School District not less than seventy-two (72) hours prior to bid opening.

11. Bidders Interested in More Than One Bid. No person, firm, or corporation shall be allowed to make, or file, or be interested in more than one prime bid for the same work unless alternate bids are specifically called for. A person, firm, or corporation that has submitted a proposal to a bidder, or that has quoted prices of materials to a bidder, is not thereby disqualified from submitting a proposal or quoting prices to other bidders or making a prime proposal.

12. Award of Contract. The Contract will be awarded to the lowest responsive responsible bidder by action of the governing Board. The District reserves the right to reject any or all bids, or to waive any irregularities or informalities in any bids or in the bidding. In the event an award is made to bidder, and such bidder fails or refuses to execute the Contract and provide the required documents within five (5) calendar days after award of the Contract to bidder, the District may award the Contract to the next lowest responsible and responsive bidder or release all bidders. **Each bid must conform and be responsive to the Contract Documents as defined in the General Conditions.**

13. Bid Protest Procedure. Any bidder may file a bid protest. The protest shall be filed in writing with the Project Manager for the CM (Tim Spencer at tspencer@telacu.com) not more than five (5) business days after the date of the bid opening. An e-mail address shall be provided and by filing the protest, protesting bidder consents to receipt of e-mail notices for purposes of the Protest and Protest related questions and Protest Appeal, if applicable. The protest shall specify the reasons and facts upon which the protest is based.

a. Resolution of Bid Controversy: Once the bid protest is received, the apparent lowest responsible bidder will be notified of the protest and the evidence presented. If appropriate, the apparent low bidder will be given an opportunity to rebut the evidence and present evidence that the apparent low bidder should be allowed to perform the Work. If deemed appropriate by the District, an informal hearing will be held. District will issue a written decision within fifteen (15) calendar days of receipt of the protest, unless factors beyond the District's reasonable control prevent such resolution. The decision on the bid protest will be copied to all parties involved in the protest.

b. Appeal: If the protesting bidder or the apparent low bidder is not satisfied with the decision, the matter may be appealed to the Chief Operating Officer, or their designee, within three (3) business days after receipt of the District's written decision on the bid protest. The appeal must be in writing and sent via overnight registered mail with all accompanying information relied upon for the appeal and an e-mail address from which questions and responses may be provided to:

**Buena Park School District
Business Department
6885 Orangethorpe Ave. Buena Park, CA 90620**

c. Appeal Review: The Chief Operating Officer or their designee shall review the decision on the bid protest from the Chief Operating Officer and issue a written response to the appeal, or if appropriate, appoint a Hearing Office to conduct a hearing and issue a written decision. The written decision of the Chief Operating Officer or the Hearing Officer shall be rendered within fifteen (15) calendar days and shall state the basis for the decision. The decision concerning the appeal will be final and not subject to any further Appeals.

d. Reservation of Rights to Proceed with Project Pending Appeal. The District reserves the right to proceed to award the Trade Category of Work for the Project and commence construction pending

an Appeal. If there is State Funding or a critical completion deadline, the District may choose to shorten the time limits set forth in this Section due to the urgency of proceeding with Work if written notice is provided to the protesting party. E-mailed notice with a written confirmation sent by First Class Mail shall be sufficient to constitute written notice. If there is no written response to a written notice shortening time, the District may proceed with the award.

e. Finality. Failure to comply with this Bid Protest Procedure shall constitute a waiver of the right to protest and shall constitute a failure to exhaust the protesting bidder's administrative remedies.

14. Alternates. If alternate bids are called for, the Contract may be awarded at the election of the Governing Board to the lowest responsible and responsive bidder using the method and procedures outlined in the Notice Inviting Bids and as specified in the Section entitled Alternate/Deductive Bid Alternates.

a. Subcontractor Listing for Alternates. If alternate bids are called for and the bidder intends to use different or additional subcontractors, a separate list of subcontractors must be submitted for each such alternate.

15. Evidence of Responsibility. Upon the request of the District, a bidder whose bid is under consideration for the award of the Contract shall submit promptly to the District satisfactory evidence showing the bidder's financial resources, surety and insurance claims experience, construction experience, completion ability, workload, organization available for the performance of the Contract, and other factors pertinent to a Project of the scope and complexity involved.

16. Trade Contractor is experienced working with other Trade Contractors and shall carefully study the Outline Schedule in the Contract Documents to determine where Trade Contractor's Work shall occur and the relative congestion of the areas where Trade Contractor Work shall occur. Trade Contractor is also aware that CM will be building a Project Baseline Schedule based on the input of all Trade Contractors so the dates shown on the Outline Schedule are only approximate dates and durations. The Project Baseline Schedule shall be built through the input of all Trade Contractors and is subject to reasonable change during the course of the Project.

17. Listing Subcontractors. Each bidder shall submit with his bid, on the form furnished with the Contract Documents, a list of the names, license numbers, scopes of work, locations of the places of business, contact information, and Department of Industrial Relations ("DIR") registration numbers of each subcontractor who will perform work or labor or render service to the bidder in or about the project, or a subcontractor who under subcontract to the bidder, specially fabricates and installs a portion of the work, in an amount in excess of one-half of 1 percent of the bidder's total bid as required by the Subletting and Subcontracting Fair Practices Act (Public Contract Code section 4100, et seq.) Pursuant to Labor Code section 1725.5, all subcontractors (of any tier) performing work on this Project must be properly registered with DIR.

18. Workers' Compensation. In accordance with the provisions of Labor Code Section 3700, the successful bidder as the Trade Contractor shall secure payment of compensation to all employees. The Trade Contractor shall sign and file with the District the following certificate prior to performing the work under this contract: "I am aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing

the performance of the work of this contract.” The form of such certificate is included as a part of the Bid Documents.

19. Trade Contractor’s License. To perform the work required by this notice, the Trade Contractor must possess the Contractor’s License as specified in the Trade Contractor Scope of Work, and the Trade Contractor must maintain the license throughout the duration of the Contract. If, at the time of bid, bidder is not licensed to perform the Project in accordance with Division 3, Chapter 9, of the Business and Professions Code for the State of California and the Notice to Trade Contractors calling for bids, such bid will not be considered and the Trade Contractor will forfeit its bid security to the District.

20. Anti-Discrimination. It is the policy of the District that in connection with all work performed under contracts, there be no discrimination against any prospective or active employee engaged in the work because of race, color, ancestry, national origin, religious creed, sex, age, or marital status. The Trade Contractor agrees to comply with applicable federal and California laws, including, but not limited to, the California Fair Employment and Housing Act, beginning with Government Code Section 12900 and Labor Code Section 1735. In addition, the Trade Contractor agrees to require like compliance by any subcontractors employed on the work by such Trade Contractor.

21. Preference for Materials and Substitutions.

a. One Product Specified. Unless the Plans and Specifications state that no Substitution is permitted, whenever the Contract Documents indicate any specific article, device, equipment, product, material, fixture, patented process, form, method, construction, or any specific name, make, trade name, or catalog number, with or without the words, “or equal,” such specification shall be read as if the language “or equal” is incorporated.

b. Request for Substitution. Bidder may, unless otherwise stated, offer any material, process, article, etc., which is materially equal or better in every respect to that so indicated or specified (“Specified Item”) and will completely accomplish the purpose of the Contract Document. If bidder desires to offer a Substitution for a Specified Item, such bidder must make a request in writing on the District’s Substitution Request Form (“Request Form”) and submit the completed Request Form with the bidder’s bid. The Request Form must be accompanied by evidence as to whether the proposed substitution:

- 1) Is equal in quality, service, and ability to the Specified Item as demonstrated by a side by side comparison of key characteristics and performance criteria (CSI comparison chart);
- 2) Will entail no changes in detail, construction and scheduling of related work;
- 3) Will be acceptable in consideration of the required design and artistic effect;
- 4) Will provide no cost disadvantage to the District;
- 5) Will require no excessive or more expensive maintenance, including adequacy and availability of replacement parts; and
- 6) Will require no change in the Contract Time.

In completing the Request Form, bidder must state with respect to each requested substitution whether bidder will agree to provide the Specified Item in the event that the District denies bidder’s request for substitution of a Specified Item. In the event that bidder does not agree in the Request Form to provide the Specified Item and the District denies the requested Substitution, the bidder’s bid shall be considered non-responsive and the District may award the Contract to the next lowest bidder or in its sole discretion, release all bidders. In the event that bidder has agreed in the Request Form to provide the

Specified Item and the District denies bidder's requested substitution for a Specified Item, bidder shall execute the Agreement and provide the Specified Item without any additional cost or charge to the District, and if bidder fails to execute the Agreement with the Specified Item(s), bidder's bid bond will be forfeited.

After the bids are opened, the apparent lowest bidder shall provide, within five (5) calendar days of opening such bids, any and all Drawings, specification, samples, performance data, calculations, and other information as may be required to assist the Architect and the District in determining whether the proposed substitution is acceptable. The burden of establishing these facts shall be upon the bidder.

After the District's receipt of such evidence by bidder, the District will make its final decision as to whether the bidder's request for Substitution for any Specified Items will be granted. The District shall have sole discretion in deciding as to whether a proposed request for Substitution is equal to or better than a Specified Item. Any request for Substitution which is granted by the District shall be documented and processed through a Change Order. The District may condition its approval of any Substitution upon delivery to the District of an extended warranty or other assurances of adequate performance of the Substitution. Any and all risks of delay due to DSA, or any other governmental agency having jurisdiction shall be on the bidder.

22. Disqualification of Bidders and Proposals. More than one proposal for the same work from any individual, firm, partnership, corporation, or association under the same or different names will not be accepted; and reasonable grounds for believing that any bidder is interested in more than one proposal for the work will be cause for rejecting all proposals in which such bidder is interested and the bidder will forfeit their bid security to the District.

23. Unbalanced or Altered Bids. Proposals in which the prices are obviously unbalanced, and those which are incomplete or show any alteration of form, or contain any additions or conditional or alternate bids that are not called for or otherwise permitted, may be rejected. A proposal on which the signature of the bidder has been omitted may be rejected. If, in the District's sole discretion, it determines any pricing, costs or other information submitted by a bidder may result in an unbalanced bid, the District may deem such bid non-responsive. A bid may be determined by the District to be unbalanced if the bid is based on prices significantly less than cost for some work and prices which are significantly overstated in relation to cost for other work, and if there is a reasonable doubt that the bid will result in the lowest overall cost to the District even though it may be the low evaluated bid, or if it is so unbalanced as to be tantamount to allowing an advance payment.

24. Employment of Apprentices. The Trade Contractor and all Trade Contractor's Subcontractors shall comply with the provisions of California Labor Code including, but not limited to Sections 1777.5, 1777.6, and 1777.7 concerning the employment of apprentices. The Trade Contractor and any Subcontractor under him shall comply with the requirements of said Sections, including applicable portions of all subsequent amendments in the employment of apprentices; however, the Trade Contractor shall have full responsibility for compliance with said Labor Code Sections, for all apprenticeable occupations, regardless of any other contractual or employment relationships alleged to exist.

25. Non-Collusion Declaration. Public Contract Code Section 7106 requires bidders to submit declaration of non-collusion with their bids. This form is included with the bid documents and must be signed and dated by the bidder under penalty of perjury.

26. Wage Rates, Travel and Subsistence.

a. The Trade Contractor and Trade Contractor's subcontractors shall comply with the requirements set forth in Division 2, Part 7, Chapter 1 of the Labor Code. Pursuant to Labor Code Sections 1770 et seq., the District has obtained from the Director of the Department of Industrial Relations the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work in the locality in which this work is to be performed for each craft, classification or type of worker needed to execute the contract. Copies are available from the District to any interested party on request and are also available from the Director of the Department of Industrial Relations. The Trade Contractor shall obtain copies of the above-referenced prevailing wage sheets and post a copy of such wage rates at appropriate, conspicuous, weatherproof points at the Site.

b. Any worker employed to perform work on the Project and such work is not covered by any classification listed in the published general prevailing wage rate determinations or per diem wages determined by the Director of the Department of Industrial Relations, shall be paid not less than the minimum rate of wages specified therein for the classification which most nearly corresponds to the employment of such person in such classification.

c. Holiday and overtime work, when permitted by law, shall be paid for at the rate set forth in the prevailing wage rate determinations issued by the Director of the Department of Industrial Relations or at least one and one-half (1½) times the specified basic rate of per diem wages, plus employer payments, unless otherwise specified in the Contract Documents or authorized by law.

d. These per diem rates, including holiday and overtime work, and employer payments for health and welfare, pension, vacation, and similar purposes, are on file at the administrative office of the District, located as noted above and are also available from the Director of the Department of Industrial Relations. It is the Trade Contractor's responsibility to ensure the appropriate prevailing rates of per diem wages are paid for each classification. It shall be mandatory upon the Trade Contractor to whom the Contract is awarded, and upon any subcontractor under such Trade Contractor, to pay not less than the said specified rates to all workers employed by them in the execution of the Contract.

27. DIR Registration of Contractor and Subcontractors. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in the Labor Code, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

This Project is a public works project as defined in Labor Code section 1720. Each contractor bidding on this Project and all subcontractors (of any tier) performing any portion of the Work must comply with the Labor Code sections 1725.5 and 1771.1 and must be properly and currently registered with DIR and qualified to perform public works pursuant to Labor Code section 1725.5 throughout the duration of the Project. For more information and up to date requirements, contractors are recommended to periodically review the DI's website at www.dir.ca.gov. Contractor shall be solely responsible for ensuring compliance with Labor Code section 1725.5 as well as any requirements implemented by DIR applicable to its services or its subcontractors throughout the term of the Agreement and in no event shall contractor be granted increased payment from the District or any time extensions to complete the Project as a result of contractor's efforts to maintain compliance with the Labor Code or any requirements implemented by the DIR. Failure

to comply with these requirements shall be deemed a material breach of this Agreement and grounds for termination for cause. The contractor and all subcontractors shall furnish certified payroll records as required pursuant Labor Code section 1776 directly to the Labor Commissioner in accordance with Labor Code section 1771.4(a)(3) once every thirty (30) days while Work is being performed on the Project and within thirty (30) days after the final day of Work performed on the Project (or more frequently if required by the District or the Labor Commissioner). The Trade Contractor and all Subcontractors shall submit their own payroll records to the Labor Commissioner on the internet website of the Department of Industrial Relations and such payroll records shall be in an electronic format prescribed by the Labor Commissioner. The District reserves the right to withhold contract payments if the District is notified, or determines as the result of its own investigation, that contractor is in violation of any of the requirements set forth in Labor Code section 1720 et seq. at no penalty or cost to the District. Monitoring and enforcement of the prevailing wage laws and related requirements will be performed by the Labor Commissioner/ Department of Labor Standards Enforcement (DLSE).

28. No Telephone or Facsimile Availability. No telephone or facsimile machine will be available to bidders on the District premises at any time.

29. Obtaining Bidding Documents. Bidding Documents, may be obtained from:

Buena Park School District Website
www.bpsd.us

[OR]

Via email request from the Construction Manager at jnemecheck@telacu.com and tspencer@telacu.com

Bidder shall utilize a complete set of Bidding Documents in preparing a bid. The failure or omission of bidder to receive any Bidding Document, form, instrument, Addendum, or other document shall not relieve bidder from any obligations with respect to the bid and/or Contract.

30. Addenda. Clarification or any other notice of a change in the Bidding Documents will be issued only by the District and only in the form of a written Addendum, transmitted by fax, e-mail, or available for pick up to all who are known by the issuing office to have received a complete set of Bidding Documents. Any other purported Addenda are void and unenforceable.

Bidder is responsible for ascertaining the disposition of all Addenda issued regardless of District notification and to acknowledge all Addenda in the submitted sealed bid prior to the bid opening. Copies of Addenda will be made available for inspection wherever Bidding Documents are on file for inspection. Each Addendum will be numbered, dated, and identified with the Project number. Oral statements or any instructions in any form, other than Addendum as described above, shall be void and unenforceable. Addenda issued by the District and not noted as being acknowledged by bidder as required in the Bid Form, may result in the bid being deemed non-responsive.

31. Debarment. Bidder may also be subject to debarment, in addition to seeking remedies for False Claims under Government Code Section 12650 et seq. and Penal Code Section 72, the District may debar a Trade Contractor pursuant to Article 15 of the General Conditions if the Board, or the Board may

designate a hearing officer who, in his or her discretion, finds the Trade Contractor has done any of the following:

- a. Intentionally or with reckless disregard, violated any term of a contract with the District
- b. Committed an act or omission which reflects on the Trade Contractor's quality, fitness or capacity to perform work for the District;
- c. Committed an act or offense which indicates a lack of business integrity or business honesty;
or
- d. Made or submitted a false claim against the District or any other public entity (See Government Code Sections 12650, et seq., and Penal Code Section 72)

CHECKLIST OF MANDATORY BID FORMS

(For Trade Contractor's use and reference only. Additional documents may be required so bidders should carefully review all Contract Documents and Bid Documents)

Designation of Subcontractors

Bid Form

Trade Contractor's Certificate Regarding Workers' Compensation

Non-Collusion Declaration

Bid Bond (or Bid Guarantee Form if Security is Other Than Bid Bond)

Substitution Request Form (If Substitution Request Form is not submitted then NO Substitutions will be allowed after the bids are opened)

Acknowledgment of Bidding Practices Regarding Indemnity

DVBE Participation Statement

Trade Contractor's Certificate Regarding Drug-Free Work Place

Trade Contractor's Certificate Regarding Alcoholic Beverage and Tobacco-Free Campus Policy

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	Carl E. Gilbert Elementary School TK-PK Classroom & Early Learning Building		
BID NUMBER:	2406 BPSD-Gilbert PreK-Bid-08082024		
TO:	Tim Spencer TELACU Construction Management	EMAIL:	tspencer@telacu.com

DATE:			
FROM:		EMAIL:	
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	

REQUESTED CLARIFICATION:
RESPONSE TO CLARIFICATION:

PRE-BID CLARIFICATION FORM (For Contractor's Use)



Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

DESIGNATION OF SUBCONTRACTORS

In compliance with the Subletting and Subcontracting Fair Practices Act (California Public Contract Code Sections 4100 et seq.,) and any amendments thereof, each Bidder shall set forth below: (a) the name, license number, and location of the place of business of each subcontractor who will perform work or labor or render service to the Trade Contractor, who will perform work or labor or work or improvement to be performed under this Trade Contract, or a subcontractor licensed by the State of California who, under subcontract to the Trade Contractor, specially fabricates and installs a portion of the work or improvements according to detailed Drawings contained in the Plans and Specifications in an amount in excess of one-half of one percent of the Trade Contractor's total bid; and (b) the portion and description of the work which will be done by each subcontractor under this Act. The Trade Contractor shall list only one subcontractor for each such portion as is defined by the Trade Contractor in this bid. All subcontractors shall be properly licensed by the California State Licensing Board.

If a Trade Contractor fails to specify a subcontractor, or if a Trade Contractor specifies more than one subcontractor for the same portion of work to be performed under the Contract in excess of one-half of one percent of the Trade Contractor's total bid, the Trade Contractor shall be deemed to have agreed that the Trade Contractor is fully qualified to perform that portion, and that the Trade Contractor alone shall perform that portion of the Work.

No Trade Contractor whose bid is accepted shall (a) substitute any subcontractor, (b) permit any subcontractor to be voluntarily assigned or transferred or allow the relevant portion of the work to be performed by anyone other than the original subcontractor listed in the original bid, or (c) sublet or subcontract any portion of the work in excess of one-half of one percent of the Trade Contractor's total bid where the original bid did not designate a subcontractor, except as authorized in the Subletting and Subcontracting Fair Practices Act.

Subletting or subcontracting of any portion of the work in excess of one-half of one percent of the Trade Contractor's total bid where no subcontractor was designated in the original bid shall only be permitted in cases of public emergency or necessity, and then only after a finding, reduced to writing as a public record, of the authority awarding this Contract setting forth the facts constituting the emergency or necessity.

All subcontractors (of any tier) performing any portion of the Work must comply with the Labor Code sections 1725.5 and 1771.1 and must be properly and currently registered with the California Department of Industrial Relations and qualified to perform public works pursuant to Labor Code section 1725.5 throughout the duration of the Project.

NOTE: If alternate bids are called for and bidder intends to use different or additional subcontractors on the alternates, a separate list of subcontractors must be provided for each such Alternate.

DESIGNATION OF SUBCONTRACTORS FORM

Scope of Work	Name of Subcontractor	Location & Place of Business	License Type and Number	DIR Registration Number	<i>E-Mail & Telephone*</i>

Scope of Work	Name of Subcontractor	Location & Place of Business	License Type and Number	DIR Registration Number	<i>E-Mail & Telephone*</i>

* This information must be provided at the time of submission of bid or must be provided within 24 hours after the time set for the opening of bids. Bidders who choose to provide this information within 24 hours after the time set for the opening of bids are solely responsible to ensure the District receives this information in a timely manner. The District is not responsible for any problems or delays associated with emails, faxes, delivery, etc. Absent a verified fax or email receipt date and time by the District, the District's determination of whether the information was received timely shall govern and be determinative. Bidder shall not revise or amend any other information in this form submitted at the time of bid. The information submitted at the time of bid shall govern over any conflicts, discrepancies, ambiguities or other differences in any subsequent Subcontractor Designation Forms submitted by the bidder.

Proper Name of Bidder:

Date:

Name:

Signature of Bidder

Representative:

Address:

Phone: _____

BID FORM

Bid Package 02 Demolition and Grading

FOR

Carl E. Gilbert Elementary School TK-PK Classroom & Early Learning Building

Carl E. Gilbert Elementary School

7255 8th Street, Buena Park CA 90621

Bid No. 2406

FOR

BUENA PARK SCHOOL DISTRICT

TRADE
CONTRACTOR
NAME:

ADDRESS:

TELEPHONE:

()

FAX:

()

EMAIL

TO: Buena Park School District, acting by and through its Governing Board, herein called "District".

1. Pursuant to and in compliance with your Notice Inviting Bids and other Contract Documents relating thereto, the undersigned bidder, having thoroughly studied and familiarized himself with the terms of the Contract, the Trade Contractor Category of Work, the local conditions affecting the performance of the Contract, the cost of the work at the place where the work is to be done, the labor market, the supply chain market for materials and equipment necessary to complete the Project, with the Drawings and Specifications, and other Addenda, hereby proposes and agrees to perform within the time stipulated, the Trade Contract, including all of its component parts, and everything required to be performed, including its acceptance by the District, and to provide and furnish any and all labor, materials, tools, expendable equipment, and utility and transportation services necessary to perform the Trade Contract and complete all of the Work in a workmanlike manner required in connection with the construction of:

BID SCHEDULE NO. 2406

Carl E. Gilbert Elementary School TK-PK Classroom & Early Learning Building

in the District described above, all in strict conformance with the drawings and other Contract Documents on file at the Purchasing Office of said District for amounts set forth herein.

2. BIDDER ACKNOWLEDGES THE FOLLOWING ADDENDUM:

Number	Number	Number	Number	Number	Number	Number	Number
_____	_____	_____	_____	_____	_____	_____	_____

Acknowledge the inclusion of all Addenda issued prior to bid in the blanks provided above. Your failure to do so may render your bid non-responsive.

3. BID AMOUNT

ALLOWANCES - As described in in Section 01 21 00 ALLOWANCE SPECIFICATIONS

_____ DOLLARS

(\$ _____)

BASE BID

_____ DOLLARS

(\$ _____)

TOTAL CASH PURCHASE PRICE IN WORDS & NUMBERS: (Includes allowances & base bid)

_____ DOLLARS

(\$ _____)

4. TIME FOR COMPLETION: The District may give a Notice to Proceed within ninety (90) days of the award of the bid by the District. Once the Trade Contractor has received the Notice to Proceed, the Trade Contractor shall diligently study and work with Construction Manager and other Trade Contractors to build a realistic Trade Contractor Baseline Schedule for the purpose of outlining the entire scope of Work and to complete the Work in the time specified in the Agreement. By submitting this bid, Trade Contractor has thoroughly studied this Project, the labor market, and the supply chain market for materials and equipment that are necessary to complete the Project and Trade Contractor agrees that the Contract Time for this Project is adequate for the timely and proper completion of the Project. Further, Trade Contractor has included in the analysis of the time required for this Project, Rain Days, Governmental Delays, and the requisite time to complete Punch List.

5. It is understood that the District reserves the right to reject any or all bids and/or waive any irregularities or informalities in this bid or in the bid process. The Trade Contractor understands that it may not withdraw this bid for a period of ninety (90) days after the date set for the opening of bids.

6. Attached is bid security in the amount of not less than ten percent (10%) of the bid:

Bid bond (10% of the Bid), certified check, or cashier's check (circle one)

7. The required List of Designated Subcontractors is attached hereto.

8. The required Non-Collusion Declaration is attached hereto.

9. The Substitution Request Form, if applicable, is attached hereto.

10. It is understood and agreed that if written notice of the acceptance of this bid is mailed, telegraphed, or delivered to the undersigned after the opening of the bid, and within the time this bid is required to remain open, or at any time thereafter before this bid is withdrawn, the undersigned will execute and deliver to the District a Contract in the form attached hereto in accordance with the bid as accepted, and that he or she will also furnish and deliver to the District the Performance Bond and Payment Bond, all within five (5) calendar days after award of Contract, and that the work under the Contract shall be commenced by the undersigned bidder, if awarded the Contract, by the start date provided in the District's Notice to Proceed, and shall be completed by the Trade Contractor in the time specified in the Contract Documents.

11. The names of all persons interested in the foregoing proposal as principals are as follows:

(IMPORTANT NOTICE: If bidder or other interested person is a corporation, state the legal name of such corporation, as well as the names of the president, secretary, treasurer, and manager thereof; if a co-

partnership, state the true names of the firm, as well as the names of all individual co-partners comprising the firm; if bidder or other interested person is an individual, state the first and last names in full.)

12. PROTEST PROCEDURES. If there is a bid protest, the grounds shall be submitted as set forth in the Instructions to Bidders.

13. The undersigned bidder shall be licensed and shall provide the following California Contractor's license information:

License Number: _____
License Expiration Date: _____
Name on License: _____
Class of License: _____
DIR Registration Number: _____

If the bidder is a joint venture, each member of the joint venture must include the above information.

14. Time is of the essence regarding the completion of the Project in the Contract Time and within the Milestones set forth in the Outline Schedule, therefore, in the event the bidder to whom the Contract is awarded fails or refuses to post the required bonds and return executed copies of the Agreement form within five (5) calendar days from the date of receiving the Notice of Award, the District may declare the bidder's bid deposit or bond forfeited as damages.

15. The bidder declares that he/she has carefully examined the location of the proposed Project, that he/she has examined the Contract Documents, including the Plans, General Conditions, Supplemental Conditions, Addenda, and Specifications, and read the accompanying instructions to bidders, and hereby proposes and agrees, if this proposal is accepted, to furnish all materials and do all work required to complete the said work in accordance with the Contract Documents, in the time and manner therein prescribed for the unit cost and lump sum amounts set forth in this Bid Form. The undersigned bidder hereby acknowledges and agrees that such bidder shall not be entitled to any price increase to the Total Cash Purchase Price set forth above on account of or due to any external factors including, but not limited to, inflation, labor shortages, and/or supply chain issues/shortages.

16. DEBARMENT. In addition to seeking remedies for False Claims under Government Code Section 12650 et seq. and Penal Code Section 72, the District may debar a Trade Contractor pursuant to Article 15 of the General Conditions if the Board, or the Board may designate a hearing officer who, in his or her discretion, finds the Trade Contractor has done any of the following:

- a. Intentionally or with reckless disregard, violated any term of a contract with the District;
- b. Committed an act or omission which reflects on the Trade Contractor's quality, fitness or capacity to perform work for the District;

c. Committed an act or offense which indicates a lack of business integrity or business honesty;
or

d. Made or submitted a false claim against the District or any other public entity. (See Government Code Sections 12650, et seq., and Penal Code Section 72)

17. DESIGNATION OF SUBCONTRACTORS. In compliance with the Subletting and Subcontracting Fair Practices Act (California Public Contract Code Sections 4100 et seq.) and any amendments thereof, each bidder shall list subcontractors on the District's form Subcontractor list. This subcontractor list shall be submitted with the bid and is a required form

I agree to receive service of notices at the e-mail address listed below.

I the below-indicated bidder, declare under penalty of perjury that the information provided and representations made in this bid are true and correct.

Proper Name of Company

Name of Bidder Representative

Street Address

City, State, and Zip

()
Phone Number

()
Fax Number

E-Mail

By: _____ Date: _____
Signature of Bidder Representative

NOTE: If bidder is a corporation, the legal name of the corporation shall be set forth above together with the signature of authorized officers or agents and the document shall bear the corporate seal; if bidder is a partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership; and if bidder is an individual, his signature shall be placed above.

All signatures must be made in permanent blue ink.

TRADE CONTRACTOR'S CERTIFICATE REGARDING WORKERS' COMPENSATION
FORM

Labor Code Section 3700 in relevant part provides:

Every employer except the State shall secure the payment of compensation in one or more of the following ways:

1. By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.

2. By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to employees.

3. For any county, city, city and county, municipal corporation, public district, public agency, or any political subdivision of the state, including each member of a pooling arrangement under a joint exercise of powers agreement (but not the state itself), by securing from the Director of Industrial Relations a certificate of consent to self-insure against workers' compensation claims, which certificate may be given upon furnishing proof satisfactory to the director of ability to administer workers' compensation claims properly, and to pay workers' compensation claims that may become due to its employees. On or before March 31, 1979, a political subdivision of the state which, on December 31, 1978, was uninsured for its liability to pay compensation, shall file a properly completed and executed application for a certificate of consent to self-insure against workers' compensation claims. The certificate shall be issued and be subject to the provisions of Section 3702.

I am aware of the provisions of Labor Code Section 3700 which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provision before commencing the performance of the work of this Contract.

(Signature)

(Print)

(Date)

In accordance with Article 5 (commencing at Section 1860), Chapter 1, Part 7, Division 2 of the Labor Code, the above certificate must be signed and submitted with the Trade Contractor's bid.

Trade Contractor's Certificate Regarding Workers' Compensation Form
Page 28

NON-COLLUSION DECLARATION

The undersigned declares:

I am the _____ [Title] of _____ [Name of Company], the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____ [Date], at _____ [City], _____ [State].

Signed: _____

Typed Name: _____

BID GUARANTEE FORM

(Use only when not using a Bid Bond)

Accompanying this proposal is a cashier's check payable to the order of the Buena Park School District or a certified check payable to the order of the Buena Park School District in an amount equal to ten percent (10%) of the base bid and alternates (\$ _____).

The proceeds of this check shall become the property of said District, if, this proposal shall be accepted by the District through the District's Governing Board, and the undersigned fails to execute a Contract with and furnish the sureties required by the District within the required time; otherwise, said check is to be returned to the undersigned.

Bidder

Note: Use this form, in lieu of Bid Bond form, when a cashier's check or certified check is accompanying the bid

BID BOND FORM

KNOW ALL MEN BY THESE PRESENT that we, the undersigned, (hereafter called "Principal"), and _____ (hereafter called "Surety"), are hereby held and firmly bound unto the Buena Park School District (hereafter called "District") in the sum of _____ (\$ _____) for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors, and assigns.

SIGNED this _____ day of _____, 20__.

The condition of the above obligation is such that whereas the Principal has submitted to the District a certain Bid, attached hereto and hereby made a part hereof, to enter into a Contract in writing for the construction of _____.

NOW, THEREFORE,

- a. If said Bid is rejected, or
- b. If said Bid is accepted and the Principal executes and delivers a Contract or the attached Agreement form within five (5) calendar days after acceptance (properly completed in accordance with said Bid), and furnishes bonds for his faithful performance of said Contract and for payment of all persons performing labor or furnishing materials in connection therewith,

Then this obligation shall be void; otherwise, the same shall remain in force and effect.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the Contract, or the call for bids, or the work to be performed thereunder, or the specifications accompanying the same, shall in anyway affect its obligation under this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of said Contract, or the call for bids, or the work, or to the specifications.

In the event suit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all costs incurred by the District in such suit, including without limitation, attorneys' fees to be fixed by the court.

IN WITNESS WHEREOF, Principal and Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, on the day and year first set forth above.

(Corporate Seal)

By

Principal's Signature

Typed or Printed Name

Principal's Title

(Corporate Seal)

By

Surety's Signature

Typed or Printed Name

Title

(Attached Attorney in Fact Certificate)

Surety's Name

Surety's Address

Surety's Phone Number

IMPORTANT:

Surety companies executing bonds must possess a certificate of authority from the California Insurance Commissioner authorizing them to write surety insurance defined in California Insurance Code Section 105, and if the work or project is financed, in whole or in part, with federal, grant, or loan funds, it must also appear on the Treasury Department's most current list (Circular 570 as amended).

THIS IS A REQUIRED FORM.

Any claims under this bond may be addressed to:

(Name and Address of Surety)

(Name and Address of agent or representative for service of process in California if different from above)

(Telephone Number of Surety and agent or representative for service of process in California).

REQUEST FOR SUBSTITUTION AT TIME OF BID

Pursuant to Public Contract Code Section 3400, bidder submits the following request to Substitute with the bid that is submitted. I understand that if the request to substitute is not “and/or equal” or is not accepted by District and I answer “no” I will not provide the specified item, then I will be held non-responsive and my bid will be rejected. With this understanding, I hereby request Substitution of the following articles, devices, equipment, products, materials, fixtures, patented processes, forms, methods, or types of construction:

	Specification Section	Specified Item	Requested Substituted Item	Trade Contractor Agrees to Provide Specified Item if request to Substitute is Denied ¹ (circle one)	District Decision (circle one)
1.				Yes No	Grant Deny
2.				Yes No	Grant Deny
3.				Yes No	Grant Deny
4.				Yes No	Grant Deny
5.				Yes No	Grant Deny
6.				Yes No	Grant Deny

¹ Bidder must state whether bidder will provide the Specified Item in the event the Substitution request is evaluate and denied. If bidder states that bidder will not provide the Specified Item the denial of a request to Substitute shall result in the rejection of the bidder as non-responsive. However, if bidder states that bidder will provide the Specified Item in the event that bidder’s request for Substitution is denied, bidder shall execute the Agreement and provide the Specified Item(s). If bidder refuses to execute the Agreement due to the District’s decision to require the Specified Item(s) at no additional cost, bidder’s Bid Bond shall be forfeited.

7.				Yes	No	Grant	Deny
8.				Yes	No	Grant	Deny
9.				Yes	No	Grant	Deny
10.				Yes	No	Grant	Deny
11.				Yes	No	Grant	Deny
12.				Yes	No	Grant	Deny

This Request Form must be accompanied by evidence as to whether the proposed Substitution (1) is equal in quality, service, and ability to the Specified Item; (2) will entail no change in detail, construction, and scheduling of related work; (3) will be acceptable in consideration of the required design and artistic effect; (4) will provide no cost disadvantage to the District; (5) will require no excessive or more expensive maintenance, including adequacy and availability of replacement parts; (6) will require no change of the construction schedule or milestones for the Project; and, (7) Trade Contractor agrees to pay for any DSA Fees or other Governmental Plan check costs associated with this Substitution Request. (See General Conditions Section 3.6)

The undersigned states that the following paragraphs are correct:

1. The proposed Substitution does not affect the dimensions shown on the Drawings.
2. The undersigned will pay for changes to the building design, including Architect, engineering, or other consultant design, detailing, DSA plan check or other governmental plan check costs, and construction costs caused by the requested substitution.
3. The proposed substitution will have no adverse effect on other trades, the Contract Time, or specified warranty requirements.
4. Maintenance and service parts will be available locally for the proposed substitution.
5. In order for the Architect to properly review the substitution request, within five (5) days following the opening of bids, the Trade Contractor shall provide samples, test criteria, manufacturer information, and any other documents requested by Architect or Architect’s engineers or consultants, including the submissions that would ordinarily be required under Article 3.7 for Shop Drawings along with a document which provides a side by side comparison of key characteristics and performance criteria (often known as a CSI side by side comparison chart).

6. If Substitution Request is accepted by the District, Trade Contractor is still required to provide a Submittal for the substituted item pursuant to Article 3.7 and shall provide required Schedule information (including schedule fragments, if applicable) for the substituted item as required under Article 8.3.2.12. The approval of the Architect, Engineer, or District of the substitution request does not mean that the Trade Contractor is relieved of Trade Contractor's responsibilities for Submittals, Shop Drawings, and schedules under Article 3.7 and 8.3.2 if the Trade Contractor is awarded the Project.

Name of Bidder: _____

By: _____

District: _____

By: _____

ACKNOWLEDGMENT OF BIDDING PRACTICES REGARDING INDEMNITY FORM

TO: Buena Park School District

RE: Project Number _____

Construction Contract for _____

Please be advised that with respect to the above-referenced Project the undersigned Trade Contractor on behalf of itself and all Trade Contractor’s subcontractors hereby waives the benefits and protection of Labor Code Section 3864, which provides:

“If an action as provided in this chapter is prosecuted by the employee, the employer, or both jointly against the third person results in judgment against such third person, the employer shall have no liability to reimburse or hold such third person harmless on such judgment or settlement in the absence of a written agreement to do so executed prior to the injury.”

This Agreement has been signed by an authorized representative of the contracting party and shall be binding upon its successors and assignees. The undersigned further agrees to promptly notify the District of any changes of ownership of the contracting party or any subcontractor while this Agreement is in force.

Contracting Party

Name of Agent/Title

DISABLED VETERAN BUSINESS ENTERPRISE (DVBE) PARTICIPATION STATEMENT

Each bidder must complete this form in order to comply with the Buena Park School District (“District”) policy for participation of disabled veteran business enterprises (School District projects funded in whole or in part by the State of California pursuant to the Leroy F. Greene School Facilities Act of 1998. (Education Code §17070.10, *et seq.*)

Project Name: _____

Bid No.: _____

DSA No.: _____

The undersigned, on behalf of the Trade Contractor named below, certifies that the Trade Contractor has made reasonable efforts to secure participation by DVBE in the Contract to be awarded for the above-referenced Bid No., including participation by DVBE subcontractors and/or material suppliers.

Check only one of the following:

- The Trade Contractor was unable after reasonable efforts to secure DVBE participation in the Trade Contract for the above-referenced Project/Bid No. However, the Trade Contractor will use DVBE services if the opportunity arises at any time during construction of the Project. Upon completion of the Project, the Trade Contractor will report to the District the total dollar amount of DVBE participation in any Contract awarded to Trade Contractor, and in any change orders, for the above-referenced Project.
- The Trade Contractor has secured DVBE participation in the Contract for the above referenced Project/Bid No., and anticipates that such DVBE participation will equal approximately _____ dollars (\$ _____), which represents approximately _____ percent (___ %) of the total Contract for such Project. Upon completion of the Project, Trade Contractor will report to the District the actual total dollar amount of DVBE participation in the Contract awarded to Trade Contractor, and in any change orders, for such Project

Company: _____

Name: _____

Title: _____

Signature: _____

Date: _____

TRADE CONTRACTOR’S CERTIFICATE REGARDING DRUG-FREE WORKPLACE

This Drug-Free Workplace Certification form is required from all successful bidders pursuant to the requirements mandated by Government Code Sections 8350 et seq., the Drug-Free Workplace Act of 1990. The Drug-Free Workplace Act of 1990 requires that every person or organization awarded a contract or grant for the procurement of any property or service from any State agency must certify that it will provide a drug-free workplace by performing certain specified acts. In addition, the Act provides that each contract or grant awarded by a State agency may be subject to suspension of payments or termination of the contract or grant, and the Trade Contractor or grantee may be subject to debarment from future contracting, if the contracting agency determines that specified acts have occurred.

Pursuant to Government Code Section 8355, every person or organization awarded a contract or grant from a State agency shall certify that it will provide a drug-free workplace by doing all of the following:

1. Publishing a statement, notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited in the person’s or organization’s workplace, and specifying actions which will be taken against employees for violations of the prohibition.
2. Establishing a drug-free awareness program to inform employees about all of the following:
 - a. The dangers of drug abuse in the workplace;
 - b. The person’s or organization’s policy of maintaining a drug-free workplace;
 - c. The availability of drug counseling, rehabilitation and employee-assistance programs; and
 - d. The penalties that may be imposed upon employees for drug abuse violations;
3. Requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by subdivision (a) and that, as a condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.

I, the undersigned, agree to fulfill the terms and requirements of Government Code Section 8355 listed above and will (a) publish a statement notifying employees concerning the prohibition of controlled substance at the workplace, (b) establish a drug-free awareness program, and (c) require each employee engaged in the performance of the contact be given a copy of the statement required by Section 8355(a) and require such employee agree to abide by the terms of that statement.

I also understand that if the Buena Park School District determines that I have either (a) made a false certification herein, or (b) violated this certification by failing to carry out the requirements of Section 8355, that the contract awarded herein is subject to termination, suspension of payments, or both. I further understand that, should I violate the terms of the Drug-Free Workplace Act of 1990, I may be subject to debarment in accordance with the requirements of Sections 8350 et seq.

I acknowledge that I am aware of the provisions of Government Code Sections 8350 et seq. and hereby certify that I will adhere to the requirements of the Drug-Free Workplace Act of 1990.

DATE: _____

TRADE CONTRACTOR

By: _____

Signature

**TRADE CONTRACTOR’S CERTIFICATE REGARDING ALCOHOLIC BEVERAGE AND
TOBACCO-FREE CAMPUS POLICY**

The Trade Contractor agrees that it will abide by and implement the District’s Alcoholic Beverage and Tobacco-Free Campus Policy prohibits the use of alcoholic beverages and tobacco products, of any kind and at any time, in District-owned or leased buildings, on District property and in District vehicles. The Trade Contractor shall procure signs stating “ALCOHOLIC BEVERAGE AND TOBACCO USE IS PROHIBITED” and shall ensure that these signs are prominently displayed in all entrances to school property at all times.

DATE: _____

_____ Trade Contractor

By: _____

Signature

[End of Bid Documents to be Submitted with Bid]

FORM AGREEMENT

THIS AGREEMENT, entered into this ____ day of _____, 20__ in the County of Orange of the State of California, by and between the Buena Park School District, hereinafter called the “District”, and _____, hereinafter called the “Trade Contractor”.

WITNESSETH that the District and the Trade Contractor for the consideration stated herein agree as follows:

ARTICLE I - SCOPE OF WORK: The Trade Contractor shall furnish all labor, materials, equipment, tools, and utility and transportation services, and shall coordinate and sequence Trade Contractor’s Work under the Direction of Construction Manager and District and in cooperation with other Trade Contractors on the Project to perform and complete all Work required in connection with Trade Contract Number _____ for Carl E. Gilbert Elementary School TK-PK Classroom & Early Learning Building Project in strict accordance with the Contract Documents enumerated in Article 7 below. The Trade Contractor shall be liable to the District for any damages arising as a result of a failure to comply with that obligation, and the Trade Contractor shall not be excused with respect to any failure to so comply by an act or omission of the Construction Manager, Architect, Engineer, Inspector, Division of the State Architect (DSA), or representative of any of them, unless such act or omission actually prevents the Trade Contractor from fully complying with the Contract Documents and the Trade Contractor protests, in accordance with the requirements of the Contract Documents, that the act or omission is preventing the Trade Contractor from fully complying with the Contract Documents. Such protest shall not be effective unless reduced to writing and filed with the District office within seven (7) days of the date of occurrence of such act or omission preventing the Trade Contractor from fully complying with the Contract Documents.

ARTICLE 2 - TIME OF COMPLETION: The District may give notice to proceed within ninety (90) days of the award of the bid by the District. Once the Trade Contractor has received a notice to proceed, the Trade Contractor shall develop a Trade Contractor Baseline Schedule consistent with Outline Schedule of Work for Trade Contractor’s Scope of Work and Trade Contractor’s Work shall reach Substantial Completion (See Article 1.1.55) of the Work within Three Hundred and Ninety five (395) calendar days from receipt of the Notice to Proceed. This shall be called Contract Time. (See Article 8.1.1). It is expressly understood that time is of the essence.

Trade Contractor has thoroughly studied the Project, the labor market, and the supply chain market for materials and equipment that are necessary to complete the Project, and has satisfied itself that the duration set forth for the Contract Time and the duration provided for Trade Contractor’s Scope of Work for this Project is adequate for the timely and proper completion of the Project within each milestone set forth in the Outline Schedule and within the Contract Time. Further, Trade Contractor has included in the analysis of the time required for this Project, items set forth in General Conditions Section 8.3.2.12, Submittal Schedules, Rain Day Float, and Governmental Delay Float.

ARTICLE 3 - LIQUIDATED DAMAGES: It being impracticable and infeasible to determine the amount of actual damage, it is agreed that the Trade Contractor will pay the District the sum of Two Thousand Five Hundred (\$2,500) per calendar day for each and every day of delay attributable to Trade Contractor’s critical path delay to the Project Baseline Schedule that delays Key Milestones for delivery of Phases or cause delay to the Contract Time set forth in Article 2 of this Agreement as Liquidated Damages

and not as a penalty or forfeiture. In the event Liquidated Damages are not paid, the Trade Contractor further agrees that the District may deduct such amount thereof from any money due or that may become due Trade Contractor under the Contract (See Article 9.6 and 2.2 of the General Conditions).

ARTICLE 4 - CONTRACT PRICE: The District shall pay to the Trade Contractor as full consideration for the faithful performance of the Contract, subject to any additions or deductions as provided in the Contract Documents, the sum of _____ DOLLARS (\$ _____), said sum being the total amount stipulated in the Bid Trade Contractor submitted. Payment shall be made as set forth in the General Conditions.

Should any Change Order result in an increase in the Contract Price, the cost of such Change Order shall be agreed to in advance by the Trade Contractor and the District, subject to the monetary limitations set forth in Public Contract Code Section 20118.4. In the event that the Trade Contractor proceeds with a Change in work without an agreement between the District and Trade Contractor regarding the cost of a Change Order, the Trade Contractor waives any Claim of additional compensation for such additional work. In no event shall the Trade Contractor be entitled to increase the Contract Price set forth above on account of any external factors including, but not limited to, inflation, labor shortages, and/or supply chain issues/shortages.

ARTICLE 5 - HOLD HARMLESS AGREEMENT: Trade Contractor shall defend, indemnify and hold harmless District, Architect, Construction Manager, Inspector, the State of California and their officers, employees, agents and independent contractors from any and all liabilities, claims, actions, liens, judgments, demands, damages, losses, costs or expenses of any kind arising from death, personal injury, property damage or other cause based or asserted upon any act, omission, or breach connected with or arising from the progress of Work or performance of service under this Agreement or the Contract Documents. As part of this indemnity, Trade Contractor shall protect and defend, at its own expense, District, Architect, Construction Manager, Inspector, the State of California and their officers, employees, agents and independent contractors from any legal action including attorney's fees or other proceeding based upon such act, omission, breach or as otherwise required by this Article.

Furthermore, Trade Contractor agrees to and does hereby defend, indemnify and hold harmless District, Architect, Construction Manager, Inspector, the State of California and their officers, employees, agents and independent contractors from every claim or demand made, and every liability, loss, damage, expense or attorney's fees of any nature whatsoever, which may be incurred by reason of:

(a) Liability for (1) death or bodily injury to persons; (2) damage or injury to, loss (including theft), or loss of use of, any property; (3) any failure or alleged failure to comply with any provision of law or the Contract Documents; or (4) any other loss, damage or expense, sustained by any person, firm or corporation or in connection with the Work called for in this Agreement or the Contract Documents, except for liability resulting from the sole or active negligence, or the willful misconduct of the District.

(b) Any bodily injury to or death of persons or damage to property caused by any act, omission or breach of Trade Contractor or any person, firm or corporation employed by Trade Contractor, either directly or by independent contract, including all damages or injury to or death of persons, loss (including theft) or loss of use of any property, sustained by any person, firm or corporation, including the District, arising out of or in any way connected with Work covered by this Agreement or the Contract Documents, whether said injury or damage occurs either on or off District property, but not for any loss, injury, death or damages caused by the sole or active negligence or willful misconduct of the District.

(c) Any dispute between Trade Contractor and Trade Contractor's subcontractors/suppliers/Sureties, including, but not limited to, any failure or alleged failure of the Trade Contractor (or any person hired or employed directly or indirectly by Trade Contractor) to pay any Subcontractor or Materialman of any tier or any other person employed in connection with the Work and/or filing of any stop notice or mechanic's lien claims.

(d) Any claims, allegations, penalties, assessments, or liabilities to the extent caused by the Trade Contractor's failure or the failure of any Subcontractor of any tier, to fully comply with the DIR registration requirements under Labor Code section 1725.5 at all times during the performance of any Work on the Project and shall reimburse the District for any penalties assessed against the District arising from any failure by the Contractor or any Subcontractor of any tier from complying with Labor Code sections 1725.5 and 1771.1. Nothing in this paragraph, however, shall require the Trade Contractor or any Subcontractor to be liable to the District or indemnify the District for any penalties caused by the District in accordance with Labor Code section 1773.3 (g).

Trade Contractor, at its own expense, cost, and risk, shall defend, with counsel of the District's choosing, any and all claims, actions, suits, or other proceedings that may be brought or instituted against the District, its officers, agents or employees, on account of or founded upon any cause, damage, or injury identified herein Article 5 and shall pay or satisfy any judgment that may be rendered against the District, its officers, agents or employees in any action, suit or other proceedings as a result thereof.

The Trade Contractor's and Subcontractors' obligation to defend, indemnify and hold harmless the Owner, Architect, Inspector, the State of California and their officers, employees, agents and independent contractors hereunder shall include, without limitation, any and all claims, damages, and costs for the following: (1) any damages or injury to or death of any person, and damage or injury to, loss (including theft), or loss of use of, any property; (2) breach of any warranty, express or implied; (3) failure of the Trade Contractor or Subcontractors to comply with any applicable governmental law, rule, regulation, or other requirement; (4) products installed in or used in connection with the Work; and (5) any claims of violation of the Americans with Disabilities Act ("ADA").

Trade Contractor shall reimburse Owner, Architect, Inspector, the State of California and their officers, employees, agents and independent contractors for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided. The only limitations on this provision shall be those imposed by Civil Code Section 2782. Such indemnification shall extend to all claims, demands, or liabilities occurring after completion of the Project as well as during the progress of the Work.

This Hold Harmless Agreement shall survive termination of this Agreement, for any reason whatsoever, and binds each party's legal representatives, successors, and assigns.

ARTICLE 6 - PROVISIONS REQUIRED BY LAW: Each and every provision of law and clause required to be inserted in this Contract shall be deemed to be inserted herein, and this Contract shall be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted or is not inserted correctly, then upon application of either party the Contract shall forthwith be physically amended to make such insertion or correction.

ARTICLE 7 - COMPONENT PARTS OF THE CONTRACT: The Contract entered into by this Agreement consists of the following Contract Documents, all of which are component parts of the Contract as if herein set out in full or attached hereto:

Notice Inviting Bids
 Instructions to Bidders
 Designation of Subcontractors
 Non-Collusion Declaration
 Bid Guarantee Form
 Bid Bond
 Bid Form
 Trade Contractor's Certificate Regarding Worker's Compensation
 Acknowledgment of Bidding Practices Regarding Indemnity
 DVBE Participation Statement and Close-Out Forms
 Agreement Form
 Payment Bond
 Performance Bond
 Guarantee
 Escrow Agreement for Security Deposit In Lieu of Retention
 Workers' Compensation/Employers Liability Endorsement
 General Liability Endorsement
 Automobile Liability Endorsement
 Trade Contractor's Certificate Regarding Drug-Free Workplace
 Trade Contractor's Certificate Regarding Alcohol and Tobacco
 Trade Contractor's Certificate Regarding Background Checks
 General Conditions
 Supplementary and Special Conditions
 Outline Schedule
 Trade Contractor Scope of Work
 Specifications
 All Addenda as Issued
 Drawings/Plans
 Substitution Request Form

All of the above named Contract Documents are intended to be complementary. Work required by one of the above named Contract Documents and not by others shall be done as if required by all.

ARTICLE 8 - PREVAILING WAGES: Wage rates for this Project shall be in accordance with the general prevailing rate of holiday and overtime work in the locality in which the work is to be performed for each craft, classification, or type of work needed to execute the Contract as determined by the Director of the Department of Industrial Relations. Copies of schedules of rates so determined by the Director of the Department of Industrial Relations are on file at the administrative office of the District and are also available from the Director of the Department of Industrial Relations. Monitoring and enforcement of the prevailing wage laws and related requirements will be performed by the Labor Commissioner/ Department of Labor Standards Enforcement (DLSE).

The following are hereby referenced and made a part of this Agreement and Trade Contractor stipulates to the provisions contained therein.

1. Chapter 1 of Part 7 of Division 2 of the Labor Code (Section 1720 et seq.)

2. California Code of Regulations, Title 8, Chapter 8, Subchapters 3 through 6 (Section 16000 et seq.)

ARTICLE 9 - RECORD AUDIT: In accordance with Government Code Section 8546.7 (and Davis Bacon, if applicable) and Article 13.11 of the General Conditions, records of both the District and the Trade Contractor shall be subject to examination and audit for a period of five (5) years after a Final Retention Payment or the Recording of a Notice of Completion, whichever occurs first.

ARTICLE 10 - TRADE CONTRACTOR'S LICENSE: The Trade Contractor must possess throughout the Project a Class _____ Contractor's License, issued by the State of California, which must be current and in good standing.

[SIGNATURES ON THE FOLLOWING PAGE]

IN WITNESS WHEREOF, this Agreement has been duly executed by the above named parties, on the day and year first above written.

Buena Park School District

TRADE CONTRACTOR:

By: _____

Typed or Printed Name

By: Sandy Poteet _____

Title

Chief Financial Officer

Dated: _____

Signature

Type or Printed Name

Title (Authorized Officers or Agents)

Signature

(CORPORATE SEAL)

PAYMENT BOND

(CALIFORNIA PUBLIC WORK)

KNOW ALL MEN BY THESE PRESENTS:

THAT WHEREAS, the BUENA PARK SCHOOL DISTRICT (sometimes referred to hereinafter as "Obligee") has awarded to _____ (hereinafter designated as the "Principal" or "Contractor"), an agreement for the work described as follows: _____ (hereinafter referred to as the "Public Work"); and

WHEREAS, said Contractor is required to furnish a bond in connection with said Contract, and pursuant to California Civil Code Section 9550;

NOW, THEREFORE, We, _____, the undersigned Contractor, as Principal; and _____, a corporation organized and existing under the laws of the State of _____, and duly authorized to transact business under the laws of the State of California, as Surety, are held and firmly bound unto the BUENA PARK SCHOOL DISTRICT and to any and all persons, companies, or corporations entitled by law to file stop notices under California Civil Code Section 9100, or any person, company, or corporation entitled to make a claim on this bond, in the sum of _____ Dollars (\$ _____), such sum being not less than one hundred percent (100%) of the total amount payable by said Obligee under the terms of said Contract, for which payment will and truly to be made, we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if said Principal, its heirs, executors, administrators, successors, or assigns, or subcontractor, shall fail to pay any person or persons named in Civil Code Section 9100; or fail to pay for any materials, provisions, or other supplies, used in, upon, for, or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Code, with respect to work or labor thereon of any kind; or shall fail to deduct, withhold, and pay over to the Employment Development Department, any amounts required to be deducted, withheld, and paid over by Unemployment Insurance Code Section 13020 with respect to work and labor thereon of any kind, then said Surety will pay for the same, in an amount not exceeding the amount herein above set forth, and in the event suit is brought upon this bond, also will pay such reasonable attorneys' fees as shall be fixed by the court, awarded and taxed as provided in California Civil Code Section 9550 et seq.

This bond shall inure to the benefit of any person named in Civil Code Section 9100 giving such person or his/her assigns a right of action in any suit brought upon this bond.

It is further stipulated and agreed that the Surety of this bond shall not be exonerated or released from the obligation of the bond by any change, extension of time for performance, addition, alteration or modification in, to, or of any contract, plans, or specifications, or agreement pertaining or relating to any scheme or work of improvement herein above described; or pertaining or relating to the furnishing of labor, materials, or equipment therefor; nor by any change or modification of any terms of payment or extension of time for payment pertaining or relating to any scheme or work of improvement herein above described; nor by any rescission or attempted rescission of the contract, agreement or bond; nor by any conditions precedent or subsequent in the bond attempting to limit the right of recovery of claimants otherwise entitled to recover under any such contract or agreement or under the bond; nor by any fraud practiced by any

person other than the claimant seeking to recover on the bond; and that this bond be construed most strongly against the Surety and in favor of all persons for whose benefit such bond is given; and under no circumstances shall the Surety be released from liability to those for whose benefit such bond has been given, by reason of any breach of contract between the Obligee and the Contractor or on the part of any obligee named in such bond; that the sole condition of recovery shall be that the claimant is a person described in California Civil Code Section 9100, and who has not been paid the full amount of his or her claim; and that the Surety does hereby waive notice of any such change, extension of time, addition, alteration or modification herein mentioned.

IN WITNESS WHEREOF this instrument has been duly executed by the Principal and Surety above named, on the _____ day of _____, 20__.

PRINCIPAL/CONTRACTOR:

By: _____

SURETY:

By: _____

Attorney-in-Fact

IMPORTANT: THIS IS A REQUIRED FORM.

Surety companies executing bonds must possess a certificate of authority from the California Insurance Commissioner authorizing them to write surety insurance defined in California Insurance Code Section 105, and if the work or project is financed, in whole or in part, with federal, grant or loan funds, Surety's name must also appear on the Treasury Department's most current list (Circular 570 as amended).

Any claims under this bond may be addressed to:
(Name and Address of Surety)

(Name and Address of agent or representative for
service for service of process in California)

Telephone: _____

Telephone: _____

A notary public or other office completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

On _____, before me, _____,
personally appeared _____, who proved on the basis of satisfactory evidence to
be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies) as the Attorney-in-Fact of
_____ (Surety) and acknowledged to me that by his/her/their signature(s) on the instrument
the person(s), or the entity upon behalf of which the person(s) executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph
is true and correct.

WITNESS my hand and official seal.

Notary Public in and for said State

(SEAL)

Commission expires: _____

NOTE: A copy of the power-of-attorney to local representatives of the bonding company must be attached hereto.

PERFORMANCE BOND

(CALIFORNIA PUBLIC WORK)

KNOW ALL MEN BY THESE PRESENTS:

THAT WHEREAS, the BUENA PARK SCHOOL DISTRICT (sometimes referred to hereinafter as "Obligee") has awarded to _____ (hereinafter designated as the "Principal" or "Contractor"), an agreement for the work described as follows: _____ (hereinafter referred to as the "Public Work"); and

WHEREAS, the work to be performed by the Contractor is more particularly set forth in that certain contract for said Public Work dated _____, (hereinafter referred to as the "Contract"), which Contract is incorporated herein by this reference; and

WHEREAS, the Contractor is required by said Contract to perform the terms thereof and to provide a bond both for the performance and guaranty thereof.

NOW, THEREFORE, we, _____, the undersigned Contractor, as Principal, and _____, a corporation organized and existing under the laws of the State of _____, and duly authorized to transact business under the laws of the State of California, as Surety, are held and firmly bound unto the BUENA PARK SCHOOL DISTRICT in the sum of _____ Dollars (\$ _____), said sum being not less than one hundred percent (100%) of the total amount payable by said Obligee under the terms of said Contract, for which amount well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT, if the bounded Contractor, his or her heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions, and agreements in said Contract and any alteration thereof made as therein provided, on his or her part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their intent and meaning; and shall faithfully fulfill guarantees of all materials and workmanship; and indemnify, defend and save harmless the Obligee, its officers and agents, as stipulated in said Contract, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

The Surety, for value received, hereby stipulates and agrees that it shall not be exonerated or released from the obligation of this bond (either by total exoneration or pro tanto) by any change, extension of time, alteration in or addition to the terms of the contract or to the work to be performed there under or the specifications accompanying the same, nor by any change or modification to any terms of payment or extension of time for any payment pertaining or relating to any scheme of work of improvement under the contract. Surety also stipulates and agrees that it shall not be exonerated or released from the obligation of this bond (either by total exoneration or pro tanto) by any overpayment or underpayment by the Obligee that is based upon estimates approved by the Architect. The Surety stipulates and agrees that none of the aforementioned changes, modifications, alterations, additions, extension of time or actions shall in any way affect its obligation on this bond, and it does hereby waive notice of any such changes, modifications, alterations, additions or extension of time to the terms of the contract, or to the work, or the specifications as well notice of any other actions that result in the foregoing.

Whenever Principal shall be, and is declared by the Obligee to be, in default under the Contract, the Surety shall promptly either remedy the default, or shall promptly take over and complete the Contract through its agents or independent contractors, subject to acceptance and approval of such agents or independent contractors by Obligee as hereinafter set forth, in accordance with its terms and conditions and to pay and perform all obligations of Principal under the Contract, including, without limitation, all obligations with respect to warranties, guarantees and the payment of Liquidated Damages; or, at Obligee's sole discretion and election, Surety shall obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and upon determination by Obligee of the lowest responsible bidder, arrange for a contract between such bidder and the Obligee and make available as Work progresses (even though there should be a default or succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the "balance of the Contract price" (as hereinafter defined), and to pay and perform all obligations of Principal under the Contract, including, without limitation, all obligations with respect to warranties, guarantees and the payment of Liquidated Damages. The term "balance of the Contract price," as used in this paragraph, shall mean the total amount payable to Principal by the Obligee under the Contract and any modifications thereto, less the amount previously paid by the Obligee to the Principal, less any withholdings by the Obligee allowed under the Contract. Obligee shall not be required or obligated to accept a tender of a completion contractor from the Surety.

Surety expressly agrees that the Obligee may reject any agent or contractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Principal. Unless otherwise agreed by Obligee, in its sole discretion, Surety shall not utilize Principal in completing the Contract nor shall Surety accept a bid from Principal for completion of the work in the event of default by the Principal.

No final settlement between the Obligee and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

The Surety shall remain responsible and liable for all patent and latent defects that arise out of or relate to the Contractor's failure and/or inability to properly complete the Public Work as required by the Contract and the Contract Documents. The obligation of the Surety hereunder shall continue so long as any obligation of the Contractor remains.

Contractor and Surety agree that if the Obligee is required to engage the services of an attorney in connection with enforcement of the bond, Contractor and Surety shall pay Obligee's reasonable attorneys' fees incurred, with or without suit, in addition to the above sum.

In the event suit is brought upon this bond by the Obligee and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including reasonable attorneys' fees to be fixed by the Court.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this ____ day of _____, 20__.

PRINCIPAL/CONTRACTOR:

By: _____

SURETY:

By: _____

Attorney-in-Fact

The rate of premium on this bond is _____ per thousand.

The total amount of premium charged: \$ _____ (This must be filled in by a corporate surety).

IMPORTANT: THIS IS A REQUIRED FORM.

Surety companies executing bonds must possess a certificate of authority from the California Insurance Commissioner authorizing them to write surety insurance defined in California Insurance Code Section 105, and if the work or project is financed, in whole or in part, with federal, grant or loan funds, Surety's name must also appear on the Treasury Department's most current list (Circular 570 as amended).

Any claims under this bond may be addressed to:
(Name and Address of Surety)

(Name and Address of agent or representative for
service for service of process in California)

Telephone: _____

Telephone: _____

GUARANTEE

Guarantee for _____, We hereby guarantee that the _____, which we have installed in _____ has been done in accordance with the Contract Documents, including without limitation, the drawings and specifications, and that the work as installed will fulfill the requirements included in the bid documents. The undersigned and its surety agrees to repair or replace any or all such work, together with any other adjacent work, which may be displaced in connection with such replacement, that may prove to be defective in workmanship or material within a period of _____ One ____ (____ 1 ____) year from the date of the Notice of Completion of the above-mentioned structure by the Buena Park School District, ordinary wear and tear and unusual abuse or neglect excepted.

In the event the undersigned or its Surety fails to comply with the above-mentioned conditions within a reasonable period of time, as determined by the District, but not later than ten (10) days after being notified in writing by the District or within two (2) business days in the case of an emergency or urgent matter, the undersigned and its surety authorizes the District to proceed to have said defects repaired and made good at the expense of the undersigned and its surety, who will pay the costs and charges therefor upon demand. The undersigned and its surety shall be jointly and severally liable for any costs arising from the District's enforcement of this Guarantee.

Countersigned

(Proper Name)

(Proper Name)

By: _____

By: _____

(Signature of Trade Contractor)

(Signature of Trade Contractor if for Subcontractor)

Representatives to be contacted for service:

Name: _____

Address: _____

Phone Number: _____

ESCROW AGREEMENT FOR SECURITY DEPOSITS IN LIEU OF RETENTION

This Escrow Agreement is made and entered into by and between the Buena Park School District, _____, California _____, hereinafter called "Owner", and _____ whose address is _____, hereinafter called "Trade Contractor", and _____ whose address is _____, hereinafter called "Escrow Agent".

For the consideration hereinafter set forth, the Owner, Trade Contractor and Escrow Agent agree as follows:

1. Pursuant to Section 22300 of the Public Contract Code of the State of California, Trade Contractor has the option to deposit securities with Escrow Agent as a substitute for Retention earnings required to be withheld by Owner pursuant to the Construction Contract entered into between the Owner and Trade Contractor for _____ in the amount of _____ dated _____ (hereinafter referred to as the "Contract"). Alternatively, on written request of the Trade Contractor, the Owner shall make payments of the Retention earnings directly to the escrow agent. When Trade Contractor deposits the securities as a substitute for Contract earnings, the Escrow Agent shall notify the Owner within ten (10) days of deposit. The market value of the securities at the time of the substitution shall be at least equal to the cash amount then required to be withheld as Retention under the terms of the Contract between the Owner and Trade Contractor. Securities shall be held in the name of the Owner, and shall designate the Trade Contractor as beneficial owner.
2. The Owner shall make progress payments to the Trade Contractor for such funds which otherwise would be withheld from progress payments pursuant to the Contract provisions, provided that the Escrow Agent holds securities in the form and amount specified above.
3. When the Owner makes payments of Retentions earned directly to the Escrow Agent, the Escrow Agent shall hold them for the benefit of the Trade Contractor until such time as the escrow created under this Contract is terminated. The Trade Contractor may direct the investment of the payments into securities. All terms and conditions of this Agreement and the rights and responsibilities of the parties shall be equally applicable and binding when the Owner pays the Escrow Agent directly.
4. Trade Contractor shall be responsible for paying all fees for the expenses incurred by Escrow Agent in administering the Escrow Account and all expenses of the Owner. These expenses and payment terms shall be determined by the Owner, Trade Contractor, and Escrow Agent.
5. The interest earned on the securities or the money market accounts held in escrow and all interest earned on that interest shall be for the sole account of Trade Contractor and shall be subject to withdrawal by Trade Contractor at any time and from time to time without notice to the Owner.
6. Trade Contractor shall have the right to withdraw all or any part of the principal in the Escrow Account only by written notice to Escrow Agent accompanied by written authorization from the Owner to the Escrow Agent that Owner consents to the withdrawal of the amount sought to be withdrawn by Trade Contractor.
7. The Owner shall have a right to draw upon the securities in the event of default by the Trade Contractor. Upon seven (7) days' written notice to the Escrow Agent from the Owner of the notice of

default under Article 2.2, Article 9.6 or Article 14, the Escrow Agent shall immediately convert the securities to cash and shall distribute the cash as instructed by the Owner.

8. Upon receipt of written notification from the Owner certifying that the Contract is final and complete, and that the Trade Contractor has complied with all requirements and procedures applicable to the Contract, Escrow Agent shall release to Trade Contractor all securities and interest on deposit less escrow fees and charges of the Escrow Account. The escrow shall be closed immediately upon disbursement of all moneys and securities on deposit and payment of fees and charges.

9. Escrow Agent shall rely on the written notifications from the Owner and the Trade Contractor pursuant to Sections (5) to (8), inclusive, of this Agreement and the Owner and Trade Contractor shall hold Escrow Agent harmless from Escrow Agent's release and disbursement of the securities and interest as set forth above.

10. The names of the persons who are authorized to give written notice or to receive written notice on behalf of the Owner and on behalf of Trade Contractor in connection with the foregoing, and exemplars of their respective signatures are as follows:

On behalf of Owner:

Title

Name

Signature

Address

On behalf of Trade Contractor:

Title

Name

Signature

Address

On behalf of Agent:

Title

Name

Signature

Address

At the time the Escrow Account is opened, the Owner and Trade Contractor shall deliver to the Escrow Agent a fully executed counterpart of this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement by their proper officers on the date set forth above.

OWNER

TRADE CONTRACTOR

Title

Title

Name

Name

Signature

Signature

INSURANCE DOCUMENTS & ENDORSEMENTS

The following insurance endorsements and documents must be provided to the Buena Park School District within five (5) calendar days after receipt of notification of award. If the apparent low bidder fails to provide the documents required below, the District may award the Contract to the next lowest responsible and responsive bidder or release all bidders, and the bidder's bid security will be forfeited. All insurance provided by the bidder shall fully comply with the requirements set forth in Article 11 of the General Conditions.

1. General Liability Insurance: Certificate of Insurance with all specific insurance coverages set forth in Article 11 of the General Conditions, proper Project description, designation of the District as the Certificate Holder, a statement that the insurance provided is primary to any insurance obtained by the District and minimum of 30 days' cancellation notice. Bidder shall also provide required additional insured endorsement(s) designating all parties required in Article 11 of the General Conditions. The additional insured endorsement shall be an ISO CG 20 10 (04/13), or an ISO CG 20 38 (04/13), or their equivalent as determined by the District in its sole discretion.

Incidents and claims are to be reported to the insurer at:

Attn: _____

(Title) _____ (Department) _____

(Company)

(Street Address)

(City) _____ (State) _____ (Zip Code) _____

(_____) _____

(Telephone Number)

2. Workers' Compensation/ Employer's Liability Insurance: Certificate of Workers' Compensation Insurance meeting the coverages and requirements set forth in Article 11 of the General Conditions, minimum of 30 days' cancellation notice, proper Project description, waiver of subrogation and any applicable endorsements.

3. Automobile Liability Insurance: Certificate of Automobile Insurance meeting the coverages and requirements set forth in Article 11 of the General Conditions, minimum 30 days' cancellation notice, any applicable endorsements and a statement that the insurance provided is primary to any insurance obtained by the District.

Incidents and claims are to be reported to the insurer at:

Attn: _____
(Title) (Department)

(Company)

(Street Address)

(City) (State) (Zip Code)
(_____) _____
(Telephone Number)

DATE: _____
TRADE CONTRACTOR

By: _____

Signature

**DISABLED VETERAN BUSINESS ENTERPRISE (DVBE) TRADE CONTRACTOR
CLOSE-OUT STATEMENT**

The Trade Contractor shall complete this form, as a condition to Final Payment, for purposes of reporting participation by Disabled Veteran Business Enterprises (DVBE) in the Contract for the Project/Bid No. specified below.

Project Name: _____

Bid No.: _____

DSA No.: _____

Name	Address/Phone	Category of Work*	\$ Amount of Contract

* Categories of work include: (1) construction services (specify services that DVBE will provide); (2) architecture and engineering services; (3) procurement of materials, supplies and equipment; and (4) information technology.

The undersigned, on behalf of the Trade Contractor, certifies that DVBE participation on the Trade Contract for Bid No. _____ equaled _____ dollars (\$ _____), which represents approximately _____ percent (____%) of the total Trade Contract price including change orders for the Project.

Company: _____

Name: _____

Title: _____

Signature: _____

Date: _____

TRADE CONTRACTOR CERTIFICATION REGARDING BACKGROUND CHECKS

(Modernization Projects)

_____ certifies that it has performed one of the following:

[Name of Trade Contractor/consultant]

- Pursuant to Education Code Section 45125.1, Trade Contractor has conducted criminal background checks, through the California Department of Justice, of all employees providing services to the Buena Park School District, pursuant to the Contract/Purchase Order dated _____, and Trade Contractor hereby certifies that none of the employees have been convicted of or have an arrest pending final adjudication for any serious or violent felonies, as specified in Penal Code Sections 1192.7(c) and 667.5(c), respectively.

As further required by Education Code Section 45125.1, attached hereto as Attachment "A" is a list of the names of the employees of the undersigned who may come in contact with pupils.

OR

- Pursuant to Education Code Section 45125.2, Trade Contractor will ensure the safety of pupils by one or more of the following methods:
 1. The installation of a physical barrier at the worksite to limit contact with pupils.
 2. Continual supervision and monitoring of all employees of the entity by an employee of the entity whom the Department of Justice has ascertained has not been convicted of a violent or serious felony.

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct.

Date _____, 20__

[Name of Trade Contractor/Consultant]

By its: _____

ATTACHMENT A:

TRADE CONTRACTOR CERTIFICATION REGARDING BACKGROUND CHECKS

(INSERT NAMES OF EMPLOYEES WHO MAY COME IN CONTACT WITH PUPILS)

GENERAL CONDITIONS

ARTICLE 1 DEFINITIONS

1.1 BASIC DEFINITIONS

NOTE: The following shall not be construed as a comprehensive list of all definitions in the Contract Documents and there may be other definitions set forth in the Contract Documents. Additionally, any references to any DSA forms, documents or requirements shall be construed to incorporate any updates, supplements, or additions. The Contractor shall be required to meet the latest DSA requirements applicable to the Project.

1.1.1 Action of the Governing Board is a vote of a majority of the District's Governing Board.

1.1.2 Act of God is defined as only including earthquakes in excess of 3.5 on the Richter Scale and Tidal waves as defined under Public Contract Code Section 7105.

1.1.3 Approval means written authorization through action of the Governing Board. The Governing board has delegated to the Chief Financial Officer the authority to approve certain modifications, Change Orders or Immediate Change Directives (Subject to the limits of the Delegation of Authority provided by the Board). In no case shall the Assistant Superintendent have authority to approve total Change Orders or Modifications to the Project exceeding 10% of the Contract Sum.

1.1.4 Architect means the architect, engineer, or other design professional engaged by the District to design and perform general observation of the Work of construction and interpret the Drawings, Specifications, Addenda and other Contract Documents for the Project. (See Article 4)

1.1.5 As-Builts are a set of Plans and Specifications maintained by the Trade Contractor clearly showing all changes, revisions, substitutions, field changes, final locations, and other significant features of the Project. The As-Builts shall be maintained continuously throughout the Work for the Project and is both a prerequisite to the issuance of Payment Application and a requirement for Contract Close-Out. (See Article 3.18)

1.1.6 Beneficial Occupancy is the point in time when a building or buildings are fit for occupancy is fit for occupancy and its intended use. Basic requirements are the building is safe, at or near Substantial Completion, and all fire/ life safety items are approved and operational. The fact that a building is occupied does not mean that the building is ready for Beneficial Occupancy if there are elements that are unsafe or if fire/ life safety items are not approved and operational. Taking occupancy on a structure that is under a fire watch is not considered Beneficial Occupancy. Further, taking of Beneficial Occupancy is not a point in time when retention is due unless the entire school has obtained a Certificate of Substantial Completion that meets the definition of 1.1.55.

1.1.6.1 Trade Contractors shall not treat Beneficial Occupancy as completion or Substantial Completion. Substantial Completion is only reached based on 1.1.55. Completion for Final Payment and Retention Payment are further addressed in Article 9.

GENERAL CONDITIONS

1.1.7 BIM stands for Building Information Modeling, which is an electronic modeling system that may be used to design, model and coordinate the Work of the Trade Contractors for the Project.

1.1.8 [NOT USED.]

1.1.9 Change Order (CO). A CO is a written instrument prepared by the Architect and signed by the District (as authorized by the District's Governing Board), the Trade Contractor, and the Architect, stating their agreement upon (1) A description of a change in the Work, (2) The amount of the adjustment in the Contract Sum, if any; and (3) The extent of the adjustment in the Contract Time, if any. (See Article 7.2)

1.1.10 Change Order Request (COR). A COR is a written request supported by backup documentation prepared by the Trade Contractor requesting that the District and the Architect issue a CO based upon a proposed change, or a change that results in an adjustment in cost, time or both, or arising from an RFP, CCD or ICD. (See Article 7.6)

1.1.11 Claims. A Claim is a request for payment, supported by back-up documentation which includes, invoices time sheets, or other documents substantiating legitimacy or entitlement that is submitted during the Project or immediately following the Project made prior to the Final Retention Payment Application and prior to Final Completion of the Project. A "Claim" means a separate demand by the Trade Contractor for (1) time extension, (2) payment of money or damages arising from Work done by or on behalf of the Trade Contractor pursuant to the Contract and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to, or (3) and amount the payment of which is disputed by the District. (See Article 4.6)

1.1.12 Clash or Coordination Check is a Construction Manager generated report utilizing the BIM program and a process utilized by Construction Manager to address inconsistencies, areas for coordination, and identification of Trade Contractor Work that may need to be redirected, moved, or resequenced. CM may not use the entire Clash Check Report. They may select certain areas or items to review during Initial Trade Contractor Coordination Meetings. This coordination or resequencing is undertaken as part of the Project Baseline Schedule process and is primarily conducted during the early part of the Contract prior to the actual start of construction at Initial Trade Contractor Coordination meetings.

1.1.13 Close-Out means the process for Final Completion of the Project, but also includes the requirements for the DSA Certification that the Project is Complete (See DSA Certification Guide). (See Article 9.9)

1.1.14 Construction Change Document (CCD). A Construction Change Document is a DSA term that is utilized to address changes to the DSA approved Plans and Specifications. There are two types of Construction Change Documents. (1) DSA approved CCD Category A for work affecting structural, access or fire/ life safety of the Project which will require a DSA approval; and, (2) CCD Category B for work NOT affecting structural safety, access compliance or fire/ life safety that will not require a DSA approval (except to confirm that no approval is required). Both CCD Category A and Category B shall be set forth in DSA Form 140 and submitted to DSA as required. (See Article 7.3)

1.1.15 Complete/ Completion/ Final Completion means that all Work in the Contract Documents is finished, the requirements of the Contract Documents have been met, the Project has been Closed Out, and all Work has ceased on the Project. This may also be referred to as Final Completion. In

GENERAL CONDITIONS

most cases, the recording of a Notice of Completion shall represent Completion of the Project. Beneficial Occupancy does not mean the Work is Complete.

1.1.16 Completion Date is the date when all Work for the Project shall be Substantially Complete and is the date assigned at the end of the Contract Time for the Project. (See Article 1.1.55)

1.1.17 Construction Manager (CM). The Construction Manager is a consultant to the District contracted to perform Project planning, scheduling, coordination, and management of the construction of the Project. The CM shall coordinate and revise Trade Contractor Baseline Schedules and prepare an overall Project Baseline Schedule that meets all Milestones and results in completion of the Project within the Contract Time. CM shall also monitoring the progress of the construction, review, monitor, and enforce the schedule, oversee the progress of Work, monitoring pay requests, facilitate communications with Trade Contractors and the Design Team, advise the District and its Board of Education on various aspects of the construction process, monitor the RFI, COR, CCD, ICD, RFP, Claims, Disputes and other Project related processes.

1.1.18 Contract or Agreement when the terms are used in these General Conditions shall be references to the Contract Documents as defined herein.

1.1.19 Contract Documents (sometimes referred to as Construction Documents) consist of the Agreement between District and Trade Contractor (hereinafter the Agreement or Contract), Conditions of the Contract (General, Supplementary and other Conditions), Trade Contractor Scope of Work, Drawings, Specifications, Addenda issued prior to bid, instructions to bidders, notice to bidders, and the requirements contained in the Bid Documents, other documents listed in the Agreement, and Modifications issued after execution of the Contract. A Modification is a written amendment to the Contract signed by parties, a Change Order, a Construction Change Document, or a written order for a minor change in the Work issued by the Architect. The Contract Documents collectively form the Contract. The Contract represents the entire and integrated Agreement between the parties hereto and supersedes prior negotiations, representations, or agreements, either written or oral. The Contract may be amended or modified only by a written Modification. The Contract Documents shall not be construed to create a contractual relationship of any kind between the Architect and Trade Contractor, between the District and any Subcontractor or Sub-subcontractor, or between any persons or entities other than the District and Trade Contractor. The Architect shall, however, be entitled to performance and enforcement of obligations under the Contract intended to facilitate performance of the Architect's duties.

1.1.20 Contract Time is the time period specified in the Contract Documents in which the Project shall be completed. This is sometimes referred to a Contract Duration, or "time in which the Trade Contractor has to complete the Project". (See Article 8.1.1)

1.1.21 Contractor, District, and Architect are those mentioned as such in the Agreement. They are treated throughout the Contract Documents as if they are of singular number and neuter gender. Any reference to "Owner" shall mean "District" or Buena Park School District.

1.1.22 Cure is the act of remedying a material failure to perform under the terms of the Contract Documents during the time provided to correct Trade Contractor's Default. Specific time periods are

GENERAL CONDITIONS

provided to Cure and Correct a Trade Contractor Default under Article 14 and for a Partial Default under Article 2.2 as well as elsewhere in the Contract Documents.

1.1.23 Days mean calendar days unless otherwise specifically stated.

1.1.24 Default is a material breach of Contract. A Termination for Cause under Article 14 is a declaration of Default of the Contract and shall act as a demand upon the Surety to perform under the terms of the Performance Bond. Partial Defaults may also be tendered to the Surety at District's discretion. (See Article 2.2)

1.1.25 Design Team is the Architect, Engineers, and the CM. Although the CM is part of the Design Team, the CM shall not be construed as the Architect or Design Professional.

1.1.26 Dispute is a disagreement on terms or conditions of the Project where the Trade Contractor's opinion of the Project, Payment, Change Order or Request for Proposal differs from that of the District or Architect. A Dispute only rises to the level of a Claim once the Dispute is assembled with back-up documentation and presented for evaluation. (See Article 4.6)

1.1.27 District Representative is the person designated by the District to represent the District during the Construction for the Project. This District Representative may have the delegated authority as further defined in Article 1.1.3. This District Representative may be an employee of the District, and may also include CMs who shall have the authorities as set forth in Article 1.1.3. The CM is responsible to work with Trade Contractors and coordinate Baseline Schedules, Update Schedules, and work with Trade Contractors to deliver a complete Project within the Contract Time. When a CM is assisting the District, the Trade Contractor, Architect, and Inspector shall have a primary contact with the District's CM who will advise the District.

1.1.28 Drawings/Plans are graphic and pictorial portions of the Contract Documents prepared for the Project and approved changes thereto, wherever located and whenever issued, showing the design, location, and scope of the Work, generally including plans, elevations, sections, details, schedules, and diagrams as drawn or approved by the Architect. Sometimes Drawings will also be included in Addenda, Change Orders, and Specifications.

1.1.29 DSA is the Division of State Architect. DSA is the agency that provides design and construction oversight for K-12 Schools, Community Colleges, and State Funded Charter School Projects. DSA is the responsible agency for this Project and Trade Contractor has submitted a bid for the Project since Trade Contractor is familiar with Trade Contractor's responsibilities under the DSA requirements more thoroughly set forth at Title 24 of the California Code of Regulations. Trade Contractor agrees to abide by the jurisdiction of DSA and shall construct the Project to conform with the approved Plans, Specifications, Addenda, and Change Orders (inclusive of approved CCD's and ICD's issued by the District pending CCD approval). See DSA website at <http://www.dgs.ca.gov/dsa>.

1.1.30 Emergency shall be defined as a sudden, unexpected occurrence, involving a clear and imminent threat to the continuation of school classes, a critical path delay that will result in not being able to occupy the school when students arrive to use the facility, danger from the facility or from outside the

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facility, Act of God, or other action which requires immediate action to prevent or mitigate loss of, or damage to, life, health, property, or essential public services.

1.1.31 Float the total number of days an activity may be extended or delayed without delaying the Completion Date shown in the schedule. Float will fall into three categories: (1) Rain Days; (2) Governmental Delays; and, (3) Project Float. (See Article 8.1.5)

1.1.32 [NOT USED.]

1.1.33 Immediate Change Directive (ICD) is a written order prepared by the Architect and signed by the District and the Architect, directing a change in the Work where the Work must proceed immediately and stating a proposed basis for adjustment, if any, in the Contract Sum or Contract Time, or both. (See Article 7.3)

1.1.34 Initial Trade Contractor Coordination Meetings. There shall be a series of Initial Coordination Meetings to establish protocols, Trade Contractor Coordination Requirements, Trade Contractor Baseline Durations, and to undertake BIM Clash Check Detection and Conflict Resolution Analysis and resolution. Participation in all Initial Coordination Meetings is mandatory.

1.1.35 Inspector of Record (IOR)/ Project Inspector (PI)/ Inspector is the individual retained by the District in accordance with Title 24 of the California Code of Regulations and who will be assigned to the Project

1.1.36 Notice of Non-Compliance (DSA Form 154) is a document issued by the Inspector if there is a deviation from the DSA approved Plans, Specifications, and Change Orders. (See Article 7.1.2)

1.1.37 Notice to Proceed (NTP) is a written notice provided by the District after bids are awarded and contractually required paperwork and submissions are completed noticing Trade Contractors that Work may proceed. The NTP represents the formal commencement of Work.

1.1.38 Outline Schedule is a general representation of the Schedule for the Work of the Project utilized to illustrate anticipated Trade Contractor durations, Phasing, Milestones, and the anticipated general sequencing necessary to complete the Project within the Contract Time.

1.1.39 Payment Application or Certificate of Payment is the Trade Contractor's certified representation of the actual level of Work performed on the Project. Payment Applications are sometimes also called "Certificate of Payment", "Request for Payment", "Payment Application", or similar terms and

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shall follow the Schedule of Values that are approved by the Architect, Inspector and District. See Article 9.3.

1.1.40 Project is the complete construction of the Work performed in accordance with the Contract Documents.

1.1.41 Project Manual is the volume assembled for the Work which may include, without limitation, the bidding requirements, sample forms, Conditions of the Contract, and Specifications.

1.1.42 Provide shall include “provide complete in place,” that is “furnish and install complete.”

1.1.43 Punch List/ Punch Item/ Incomplete Punch Item is a list of minor repair items, prepared after the issuance of a Certificate of Substantial Completion, by the Inspector and Architect of Work required in order to complete the Contract Documents and ensure compliance with the DSA Approved Plans so the Project may be Closed Out. Issuance of the Retention Payment is dependent of the proper completion of the Punch List. (See Article 9.9)

1.1.43.1 *Trade Contractor’s List of Punch Items* is a list of minor repair items the Trade Contractor submits when the Trade Contractor considers the Work Substantially Complete. Submission of this List of Incomplete Punch Items is the Trade Contractor’s representation that the Project is Substantially Complete. (See Article 9.9.1)

1.1.44 Request for Information (RFI) is a written request prepared by the Trade Contractor requesting the Architect to provide additional information necessary to clarify or amplify an item which the Trade Contractor believes is not clearly shown or called for in the Drawings or Specifications, or to address problems which have arisen under field conditions. (See Article 7.4)

1.1.45 Request for Proposal (RFP) is a written request prepared by the Architect (and/or CM) requesting the Trade Contractor to submit to an estimate of the effect of a proposed change on the Contract Price and (if applicable) the Contract Time. (See Article 7.5)

1.1.46 Safety Orders are those issued by any city, county, state or federal agency having jurisdiction over the Project.

1.1.47 Schedule is the Trade Contractor’s view of the practical way in which the Work will be accomplished within the Contract Time based on the Outline Schedule provided in the Contract Documents. In this Agreement, the Trade Contractor will prepare and provide a Trade Contractor Baseline Schedule to address Milestones and timing of the Work of Trade Contractor based on the Outline Schedule provided in the Contract Documents. This Trade Contractor Baseline Schedule will be evaluated by CM and incorporated into a Project Baseline Schedule which governs the Trade Contractor’s Work to be completed during the Contract Time and shall include all items listed under Article 8.3.2.12. See Article 8 of the General Conditions.

1.1.48 Schedule of Values is a detailed breakdown of the Contract Price for each Project, building, Phase of Work or Site as determined by the District. This Schedule of Values shall adequately detail the price for the Work so Progress Payments Applications can be meaningfully reviewed by the Inspector, Architect of Record, Engineer of Record, and District. (See Article 9.2.2)

1.1.49 Separate Contracts are Contracts that the District may have with other Contractors,

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vendors, suppliers, or entities to perform Work on the Project. This may include, but is not limited to Multi-Prime Trade Contractors, furniture installers, testing agencies, clean-up contractors, or network or low voltage contractors. Trade Contractor shall plan for certain other contractors that may also be working on the Project site and address these other contractors in Trade Contractor's Schedule. (See Article 6)

1.1.50 Site refers to the grounds of the Project as defined in the Contract Documents and such adjacent lands as may be directly affected by the performance of the Work.

1.1.51 Specifications are that portion of the Contract Documents consisting of the written requirements for material, equipment, construction systems, instructions, quality assurance standards, workmanship, and performance of related services.

1.1.52 Standards, Rules, and Regulations referred to are recognized printed standards and shall be considered as one and a part of these Specifications within limits specified. Federal, state and local regulations are incorporated into the Contract Documents by reference.

1.1.53 Stop Work Order, or an Order to Comply, is issued when either (1) the Work proceeds without DSA approval; (2) the Work proceeds without a DSA Inspector of Record, or (3) where DSA determines that the Work is not being performed in accordance with applicable rules and regulations, and would compromise the structural integrity of the Project or would endanger lives. If a Stop Work Order is issued, the Work in the affected area shall cease until DSA withdraws the Stop Work Order. Pursuant to Education Code Section 17307.5(b) and Education Code Section 81133.5, the District shall not be held liable in any action filed against the District for any delays caused by compliance with the Stop Work Order

1.1.54 Subcontractor, as used herein, includes those having direct or indirect contracts with Trade Contractor and ones who furnished labor, material or services for a special design according to Plans, Drawings, and Specifications of this Work.

1.1.55 Substantial Completion/ Substantially Complete(d) is not reached unless and until each of the following four (4) conditions have been met: (1) all contractually required items have been installed with the exception of only minor and Incomplete Punch List Items (See Article 9.9.1.2); (2) All Fire/Life Safety Systems have been installed, and are working and signed off on the DSA Form 152 Inspection Card, and all building systems including mechanical, electrical and plumbing are all functioning; (3) all other items in the DSA Form 152 Inspection Card for the Project have been approved and signed off; and (4) the Project is fit for occupancy and its intended use. For the purposes of this Contract, any references to Completion Dates mean Substantial Completion Date.

1.1.56 Substitution is a change in product, material, equipment, or method of construction from those required by the Construction Documents proposed by the Trade Contractor. For this Project, a Substitution is subject to the filing of a Construction Substitution Request Form at the time of bid and meeting the requirements of Article 3.10.

1.1.57 Supplementary Conditions/ Supplementary General Conditions/ Special Conditions are terms that are sometimes used interchangeably and refer to any additional requirements or changes to the General Conditions or other documents as noted.

1.1.58 Surety is the person, firm, or corporation that executes as a bid bond, Payment bond or Performance Bond guarantor on the Trade Contractor's Bid, Trade Contractor's Performance on the Contract and Payment of the Trade Contractor's Subcontractors, material suppliers, vendors and labor on

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the Project. The Surety is bound to the same extent as the Trade Contractor is bound once a Default occurs. A default includes a Termination for Substantial Failure to Perform under Article 14, but also includes any breach of Contract and is subject to the requirements and responsibilities as set forth in the Performance Bond.

1.1.59 Trade Contractor is one of the multiple prime Trade Contractors that perform work under the direction of a CM. The Trade Contractors as a whole perform various segments of the Work so the entire Work of the Project may be completed. Each Trade Contractor's Work is dependent on other Trade Contractor's Work and shall be assembled as a whole so the Project may be delivered as a complete operational Project fit for occupancy, and utilized for its intended purpose and so the Project may be completed in the Contract Time.

1.1.60 [NOT USED.]

1.1.61 Work shall include all labor, materials, services and equipment necessary for the Trade Contractor to fulfill all of its obligations pursuant to the Contract Documents. It shall include the initial obligation of any Trade Contractor or its Subcontractor who performs any portion of the Work, to visit the Site of the proposed Work (a continuing obligation after the commencement of the Work), to fully acquaint and familiarize itself with the conditions as they exist and the character of the operations to be carried out under the Contract Documents, and make such investigation as it may see fit so that it shall fully understand the facilities, physical conditions, and restrictions attending the Work under the Contract Documents. Each such Trade Contractor and its Subcontractor shall also thoroughly examine and become familiar with the Drawings, Specifications, and associated Contract Documents and bid documents before preparing and submitting any bid.

1.1.62 Workers include laborers, workers, and mechanics.

1.2 EXECUTION, CORRELATION AND INTENT

1.2.1 Correlation and Intent

1.2.1.1 *Documents Complementary and Inclusive.* The Contract Documents are complementary and are intended to include all items required for the proper execution and completion of the Work. All Contract Documents identified in Trade Contractor Scope of Work and related to or required to provide a completed assembly or Project assembly form the Trade Contractor's Contract with the District. Trade Contractor Work includes any item of Work mentioned or referenced in the Specifications and not shown on the Drawings, or shown on the Drawings and not mentioned in the Specifications, shall be provided by Trade Contractor as if shown or mentioned in both. Trade Contractor is bound to provide the Work complete and is under a legal duty to carefully study Plans and schedule operations well ahead of time and identify inconsistencies with the Plans and Specifications and call such inconsistencies to the attention of the Architect or Registered Engineer through the Inspector under Section 4-343(b) of Title 24.

1.2.1.2 *Work to be Complete.* Trade Contractor has thoroughly studied the Contract Documents and understands that the District contracted with Trade Contractor to provide a complete Scope of Work for the Project which means complete systems and buildings. The entire set of Contract Documents shows a complete Project and Trade Contractor agrees that there are multiple disciplines putting together a set of Contract Documents. Thus, if portions of a system are shown on some Drawings and not others, this does not mean the Trade Contractor is to only provide part of a system. For example, if an air conditioning unit is shown on the mechanical Drawings, the plumbing for the air conditioning is shown on another

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Drawing, and the electrical shown on the electrical Drawings, the Trade Contractor is to provide a complete and working air conditioning system unless specifically noted otherwise on Scope of Work. If there are any questions, Trade Contractor is to submit a RFI on the prescribed RFI form before excluding any item from its bid, and a response will be provided and included as an Addendum. Failure to request clarification shall be conclusive that Trade Contractor intended to provide a complete system or assembly. The only time when an item is supplied incomplete is if the system is shown specifically as incomplete since others will be completing the system. Work includes, but is not limited to materials, workmanship, and manufacture of fabrication of components for the Project.

1.2.1.3 *Coverage of the Drawings and Specifications.* The Trade Contractor Scope of Work in conjunction with the Drawings and Specifications generally describe the Work to be performed by Trade Contractor. Generally, the Specifications describe Work which cannot be readily indicated on the Drawings and indicate types, qualities, and methods of installation of the various materials and equipment required for the Work. It is not intended to mention every item of Work in the Specifications, which can be adequately shown on the Drawings, or to show on the Drawings all items of Work described or required by the Specifications even if they are of such nature that they could have been shown. All materials or labor for Work, which is shown on either the Drawings or the Specifications (or is reasonably inferable therefrom as being necessary to complete the Work), shall be provided by the Trade Contractor. The Trade Contractor is responsible for the whole Project as contractually set forth as the Contract Documents. It is intended that the Work be of sound, quality construction, and the Trade Contractor shall be responsible for the inclusion of adequate amounts to cover installation of all items indicated, described, or implied in the portion of the Work to be performed by them.

1.2.1.4 *Conflicts.* In the event there is a discrepancy between the various Contract Documents, it is intended that the more stringent, higher quality and greater quantity of Work shall apply.

1.2.1.5 *Conformance with Laws.* Each and every provision of law required by law to be inserted in this Contract shall be deemed to be inserted herein, and the Contract shall be read and enforced as though it were included herein, even if through mistake or otherwise any such provision is not inserted, or is not correctly inserted. Any references to codes, statutes, regulations, governmental forms or documents including documents issued by DSA shall include any subsequent revisions or updates thereto.

Before commencing any portion of the Work, Trade Contractor shall check and review the Drawings and Specifications for such portion for conformance and compliance with all laws, ordinances, codes, rules and regulations of all governmental authorities and public and municipal utilities affecting the construction and operation of the physical plant of the Project, all quasi-governmental and other regulations affecting the construction and operation of the physical plant of the Project, and other special requirements, if any, designated in the Contract Documents. Such checking shall include review of Title 24 of the California Code of Regulations, California Building Code, local utility, local water connection, local grading and all other applicable agencies. In the event Trade Contractor observes any violation of any law, ordinance, code, rule or regulation, or inconsistency with the Contract Documents, Trade Contractor shall, within five (5) days, notify the Inspector, Architect and District in writing of same and shall ensure that any such violation or inconsistency shall be corrected in the manner provided hereunder prior to the construction of that portion of the Project. (See Title 24 Section 4-343)

The Trade Contractor shall bear all expenses of correcting Work done contrary to said laws, ordinances, rules, and regulations if the Trade Contractor performed same (1) without first consulting the Architect for further instructions regarding said Work or (2) disregarded the Architect's instructions regarding said Work.

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1.2.1.6 *Ambiguity and Inconsistency.* Before commencing any portion of the Work, Trade Contractor shall carefully examine all Drawings and Specifications and other information given to Trade Contractor as to materials and methods of construction and other Project requirements. Prior to commencing any portion of the Work, Trade Contractor shall notify Architect and District in writing of any perceived or alleged error, inconsistency, conflict, ambiguity, or lack of detail or explanation in the Drawings and Specifications in the manner provided herein. If the Trade Contractor or its Subcontractors, material or equipment suppliers, or any of their officers, agents, and employees performs, permits, or causes the performance of any Work under the Contract Documents, which it knows or should have known to be in error, inconsistent, or ambiguous, or not sufficiently detailed or explained, Trade Contractor shall bear any and all costs arising therefrom including, without limitation, the cost of correction thereof without increase or adjustment to the Contract Price or the time for performance. Trade Contractor shall maintain an adequate inspection system and perform personal observations and review work and pre-plan the Project to ensure the Work performed under the Contract conforms to Contract requirements. Trade Contractor shall maintain records of such review and observation to ensure strict compliance with the terms of the Contract.

1.2.1.7 *Typical Parts and Sections.* Whenever typical parts or sections of the Work are completely detailed on the Drawings, and other parts or sections which are of the same construction are shown in outline only, the complete or more detailed shall apply to the Work which is shown in outline.

1.2.1.8 *Dimensions.* Dimensions of Work shall not be determined by scale or rule. Figured dimensions shall be followed at all times. If figured dimensions are lacking on Drawings, Architect shall supply them on request. The Architect's decisions on matters relating to aesthetic effect will be final.

1.2.2 Addenda and Deferred Approvals

1.2.2.1 *Addenda* are the changes in Specifications, Drawings, Contract Documents, and Plans which have been authorized in writing by the District or Architect, and which alter, explain, or clarify the Contract Documents. Addenda shall govern over all other Contract Documents. Subsequent addenda issued shall govern over prior addenda unless otherwise specified in the addenda.

1.2.2.2 *Deferred Approvals.* Deferred Approvals are Submittals that are reviewed by the Architect (or Engineer of Record) and submitted to DSA for approval based on thorough detailing of manufacturer and Project specific design. (See Article 3.9.1 and 3.9.3) The Deferred Approval item cannot be fully detailed on the originally approved Drawings or Specifications because of variations in product design and manufacture. Contract Documents which require Deferred Approval items are meant to be for illustration purposes only. Approval of Plans for such a portion of the Work may be deferred until the material suppliers and Subcontractors are selected. All Deferred Approvals are noted in the Plans and Specifications. Trade Contractor is responsible for all Deferred Approval requirements set forth in the Contract Documents. Trade Contractor is responsible to comply with all laws, building codes, Title 24 and regulations necessary to obtain all necessary approvals, including those required from the Division of the State Architect ("DSA") and the State Fire Marshall. Trade Contractor shall not be granted an extension of time for failure to plan, schedule for and obtain necessary approvals. Trade Contractor shall Schedule all Deferred Approval items in the Project Baseline Schedule and Schedule Updates under Article 3.9.6 and 8.3.2

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1.2.3 Specification Interpretation

1.2.3.1 *Titles.* The Specifications are separated into titled sections for convenience only and not to dictate or determine the trade or craft involved.

1.2.3.2 *As Shown, Etc.* Where “as shown,” “as indicated,” “as detailed,” or words of similar import are used, reference is made to the Drawings accompanying the Specifications unless otherwise stated. Where “as directed,” “as required,” “as permitted,” “as authorized,” “as accepted,” “as selected,” or words of similar import are used, the direction, requirement, permission, authorization, approval, acceptance, or selection by Architect is intended unless otherwise stated.

1.2.3.3 *General Conditions.* The General Conditions and Supplementary General Conditions are a part of the Contract Documents which further defines and refines the Contract entered between the Trade Contractor and District.

1.2.3.4 *Abbreviations.* In the interest of brevity, the Specifications are written in an abbreviated form and may not include complete sentences. Omission of words or phrases such as “Contractor shall,” “shall be,” etc., are intentional. Nevertheless, the requirements of the Specifications are mandatory. Omitted words or phrases shall be supplied by inference in the same manner as they are when a “note” occurs on the Drawings. In the interest of brevity, the Contract Documents frequently omit modifying words such as “all” and “any” and articles such as “the” and “an,” but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

1.2.3.5 *Plural.* Words in the singular shall include the plural whenever applicable or the context so indicates.

1.2.3.6 *Metric.* The Specifications may indicate metric units of measurement as a supplement to U.S. customary units. When indicated thus: 1” (25 mm), the U. S. customary unit is specific, and the metric unit is nonspecific. When not shown with parentheses, the unit is specific. The metric units correspond to the “International System of Units” (SI) and generally follow ASTM E 380, “Standard for Metric Practice.”

1.2.3.7 *Standard Specifications.* Any reference to standard specifications of any society, institute, association, or governmental authority is a reference to the organization’s standard specifications, which are in effect at the date of the Trade Contractor’s proposal unless directed otherwise. If applicable specifications are revised prior to completion of any part of the Work, the Trade Contractor may, if acceptable to Architect, perform such Work in accordance with the revised specifications. The standard specifications, except as modified in the Specifications for the Project, shall have full force and effect as though printed in the Specifications. Architect will furnish, upon request, information as to how copies of the standard specifications referred to may be obtained.

1.2.4 Rules of Document Interpretation

1.2.4.1 In the event of conflict within the Drawings, the following rules shall apply:

- a. General Notes, when identified as such, shall be incorporated into other portions of Drawings.

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- b. Schedules, when identified as such, are complementary with other notes and other portions of Drawings including those identified as General Notes.
- c. Larger scale Drawings shall take precedence over smaller scale Drawings.
- d. At no time shall the Trade Contractor base construction on scaled Drawings.

1.2.4.2 Specifications shall govern as to materials, workmanship, and installation procedures.

1.2.4.3 If Trade Contractor observes that Drawings and Specifications are in conflict, Trade Contractor shall, prior to commencing work, notify the Architect in writing for the purposes of obtaining an interpretation of the Contract Documents.

1.2.4.4 In the case of conflict or inconsistencies, the order of precedence shall be as follows:

- a. General Conditions take precedence over Drawings and Specifications.
- b. Supplemental Conditions take precedence over General Conditions.
- c. The Agreement Form shall take precedence over the Supplemental Conditions.
- d. In the case of disagreement or conflict between or within Specifications, and Drawings, the more stringent, higher quality, and greater quantity of Work shall apply.
- e. Addenda shall take precedence over Drawings and Specifications.
- f. General Conditions shall take precedence over Addenda.
- g. Drawings and Specifications take precedence over the Soils Report.

1.3 OWNERSHIP AND USE OF ARCHITECT'S DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS

The Drawings, Specifications, and other Contract Documents for the Project are the property of the District and/or Architect pursuant Contract requirements between the District and Architect. The Trade Contractor may retain one Contract record set. Neither the Trade Contractor nor any Subcontractor, or material or equipment supplier shall own or claim a Copyright in the Drawings, Specifications, and other documents prepared by the Architect. All copies except the Trade Contractor's record set, shall be returned or properly accounted for upon completion of the Work. The Drawings, Specifications, and other documents prepared by the Architect, and copies thereof furnished to Trade Contractor are not to be used by Trade Contractor or any Subcontractor, Sub-subcontractor, or material or equipment supplier on other projects or for additions to this Project outside the scope of the Work. The District and/or Architect hereby grants the Trade Contractor, Subcontractors, Sub-subcontractors, and material or equipment suppliers a

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limited license to use applicable portions of the Drawings, Specifications, and other documents prepared for the Project in the execution of their Work under the Contract Documents. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with this Project is not to be construed as publication in derogation of the District's property interest or other reserved right.

ARTICLE 2 DISTRICT

2.1 INFORMATION AND SERVICES REQUIRED OF THE DISTRICT

2.1.1 Site Survey

The District will furnish, at its expense, a legal description of the Site and a land survey showing the boundaries of the Site. Trade Contractor shall be responsible for all surveys regarding location of construction, grading and site work.

2.1.2 Soils

When required by the scope of the Project, the District will furnish, at its expense, the services of geotechnical engineers or consultants when reasonably required and deemed necessary by the Architect or as required by local or state codes. Such services, with written reports and appropriate written professional recommendations, may include test boring, test pits, soil bearing values, percolation tests, air and water pollution tests, and ground corrosion and resistivity tests, including necessary operations for determining subsoil, air, and water conditions.

2.1.3 Soil Report part of the Contract Documents: Trade Contractor Reliance

A soils investigation report has been obtained from test holes at the Site, and such report is incorporated into this Contract and made available for the Trade Contractor's use in preparing its bid and Work under this Contract. Where the Plans and Specifications are more specific and provide more significant structure, systems, reinforcing, thicknesses, or construction methods, the Drawings shall control over the soils report. The soils report is available at the Architect's office for review and it is Trade Contractor's responsibility to ensure that Trade Contractor has reviewed the soils investigation report. Any information obtained from such report or any other information given on Drawings as to subsurface soil condition or to elevations of existing grades or elevations of underlying rock is approximate only. If, during the course of Work under this Contract, Trade Contractor encounters subsurface conditions which differ materially from those indicated in the soils report, then Trade Contractor shall notify the District within five (5) calendar days of discovery of the condition, and changes to the Contract Price may be made in accordance with Article 7 entitled "Changes in the Work." Trade Contractor agrees that no claim against District will be made by Trade Contractor for damages and hereby waives any rights to damages in the event the Trade Contractor fails to notify District within the five-day period mentioned above.

WARNING: DISTRICT DOES NOT WARRANT THE SOILS AT THE PROJECT SITE. TRADE CONTRACTOR HAS REVIEWED AND IS FAMILIAR WITH THE REQUIREMENTS OF THE SOILS INVESTIGATION REPORT. TRADE CONTRACTOR UNDERSTANDS THAT PLANS, DRAWINGS AND SPECIFICATIONS SUPERSEDE THE SOILS REPORT IF THERE ARE CONFLICTS. FURTHER, IN ADDITION TO THE INFORMATION IN THE SOILS REPORT, TRADE CONTRACTOR HAS CONDUCTED AN INDEPENDENT INVESTIGATION OF THE PROJECT SITE AND THE SOILS CONDITIONS OF THE SITE. DISTRICT DOES NOT WARRANT THE SOILS CONDITIONS OF THE SITE AND TRADE CONTRACTOR IS FULLY RESPONSIBLE TO ASCERTAIN SITE CONDITIONS FOR THE PURPOSES OF

DETERMINING CONSTRUCTION MEANS AND METHODS PRIOR TO COMMENCING CONSTRUCTION.

2.1.4 Utilities

2.1.4.1 *Location of Point of Connection.* The locations shown for the point of connection are approximate. It shall be the responsibility of the Trade Contractor to determine the exact location of all service connections.

2.1.4.2 *Regional Notification Center.* Trade Contractor, except in an emergency, shall contact the appropriate regional notification center at least two (2) business days prior to commencing any excavation if the excavation will be conducted in an area or in a private easement which is known, or reasonably should be known, to contain subsurface installations other than the underground facilities owned or operated by the District, and obtain an inquiry identification number from that notification center. See Government Code Section 4216.3. No excavation shall be commenced and carried out by Trade Contractor unless such an inquiry identification number has been assigned to Trade Contractor or any Subcontractor of Trade Contractor and the District has been given the identification number by Trade Contractor. Any damages arising from failure to make appropriate regional notification shall be at the sole risk of Trade Contractor. Trade Contractor shall solely be responsible for any fines, penalties or damages for violation of this Article and Government Code Section 4216.6 or 4216.7. Any delays caused by failure to make appropriate regional notification shall be at the sole risk of Trade Contractor and shall not be considered for extension of time pursuant to Article 8.4.

2.1.4.3 *Utilities - Removal and Restoration.* The District has endeavored to determine the existence of utilities at the Site of the Work from the records of the District of known utilities in the vicinity of the Work. The positions of these utilities as derived from such records are shown in the Contract Documents. Thus, the locations of the main or trunklines located on the Drawings are approximate locations and not exact.

No excavations were made to verify the locations shown for underground utilities. Other than the main or trunkline, which the District has endeavored to locate on the Plans, service connections or laterals to these utilities may not be shown on the Plans. It shall be the responsibility of Trade Contractor to determine the exact location of all service connections. Trade Contractor shall make its own investigations, including exploratory excavations, to determine the locations and type of service connections, prior to commencing work which could result in damage to such utilities. Trade Contractor shall immediately notify the District's representative as to any utility main or trunkline discovered by Trade Contractor in a different position than provided by the Regional Notification Center. With respect to main or trunklines, Trade Contractor is to immediately notify District if the location is substantially different than as shown in the Contract Documents.

Trade Contractor shall coordinate its Work with all utilities, including, but not limited to electricity, water, gas and telephone and meet with said utilities prior to the start of any work. Trade Contractor shall show timing of all utility coordination activities under the Scheduling requirements of Article 8.

2.1.4.4 *Other Utilities.* In case it should be necessary to remove, relocate, or temporarily maintain a utility because of interference with the Work, the work on the utility shall be performed and paid for as follows:

When it is necessary to remove, relocate or temporarily maintain a service connection, the cost of which is not required to be borne by the owner of the service connection, Trade Contractor shall bear all expenses incidental to the work on the service connection. The work on the service connection shall be done in a manner satisfactory to the owner thereof; it being understood that the owner of the service connection has the option of doing such work with his own forces or permitting the work to be done by Trade Contractor.

When it is necessary to remove, relocate, or temporarily maintain a utility which is in the position shown on the Plans, the cost of which is not required to be borne by the owner thereof, Trade Contractor shall bear all expenses incidental to the work on the utility. The work on the utility shall be done in a manner satisfactory to the owner thereof; it being understood that the owner of the utility has the option of doing such work with his own forces or permitting the work to be done by Trade Contractor.

When it is necessary to remove, relocate, or temporarily maintain a utility which is not shown on the Plans or is in a position different from that shown on the Plans and were it in the position shown on the Plans would not need to be removed, relocated, or temporarily maintained, and the cost of which is not required to be borne by the owner thereof, the District will make arrangements with the owner of the utility for such work to be done at no cost to Trade Contractor, or will require Trade Contractor to do such work in accordance with Article 7 or will make changes in the alignment and grade of the Work to obviate the necessity to remove, relocate, or temporarily maintain the utility. Changes in alignment and grade will be ordered in accordance with Article 7 herein.

No representations are made that the obligations to move or temporarily maintain any utility and to pay the cost thereof is or is not required to be borne by the owner of such utility, and it shall be the responsibility of Trade Contractor to investigate to find out whether said cost is required to be borne by the owner of the utility.

The right is reserved to governmental agencies and to owners of utilities to enter at any time upon any street, alley, right-of-way, or easement for the purpose of making changes in their property made necessary by the Work and for the purpose of maintaining and making repairs to their property.

2.1.5 Existing Utility Lines; Removal, Relocation

2.1.5.1 *Main or Trunkline Facilities.* If Trade Contractor, while performing the Contract, discovers utility facilities not identified in the Contract Documents, Trade Contractor shall notify the District and utility in writing prior to commencing work.

The owner of the public utility shall have the sole discretion to perform repairs or relocation work or permit Trade Contractor to do such repairs or relocation work at a reasonable price.

Trade Contractor shall exercise reasonable care and shall be compensated by the District for the actual verified field costs of locating, and removing, relocating, protecting or temporarily maintaining such main or trunkline utility facilities located in a substantially different location than in the Plans and Specifications, and for equipment in use on the Project necessarily idled during such work. This Work shall be performed in accordance with Article 7 of these General Conditions.

2.1.5.2 *Assessment.* Nothing in these subparagraphs shall be deemed to require the District to indicate the presence of existing service laterals or appurtenances whenever the presence of such utilities on the Site can be inferred from the presence of other visible facilities, such as buildings, or meter junction boxes on or adjacent to the Site and could be inferred from the Main or Trunkline shown on the Drawings.

2.1.5.3 *Notification.* If Trade Contractor, while performing Work under this Contract, discovers utility facilities not identified by the District in the Contract Documents. Trade Contractor shall, within five (5) days, notify the District and the utility in writing. If Trade Contractor fails to notify the District within forty eight hours after discovery of any utility facilities not identified by District in the Contract Documents, Trade Contractor waives all rights to be compensated for any extra Work or damages resulting from such discovered utilities.

2.1.6 Easements

District shall secure and pay for easements for permanent structures or permanent changes in existing facilities, if any, unless otherwise specified in the Contract Documents.

2.2 **DISTRICT'S RIGHT TO CARRY OUT THE WORK DUE TO PARTIAL DEFAULT IN A SPECIFIC SEGREGATED AREA OF WORK (TWO (2) BUSINESS DAY NOTICE TO CURE AND CORRECT)**

If Trade Contractor Defaults or neglects to carry out the Work in accordance with the Contract Documents, the District may provide a two (2) business day written notice to cure (a shorter period of time in the case of Emergency or a critical path delay as defined in Article 2.2.1) Trade Contractor's Partial Default in a specific segregated area of work. The District's right to issue a Partial Default of the Trade Contractor's Work and take over that segregated area of Work includes, but is not limited to:

1. Failure to supply adequate workers on the entire Project or any part thereof;
2. Failure to supply a sufficient quantity of materials;
3. Failure to perform any provision of this Trade Contract;
4. Failure to comply with safety requirements, or due to Trade Contractor creation of an unsafe condition;
5. Cases of bona fide emergency;
6. Failure to order materials in a timely manner;
7. Failure to prepare Deferred Approval items or Shop Drawings in a timely manner;
8. Failure to comply with submission of Trade Contractor's Baseline or Update Schedule, failure to comply with Project Baseline Schedule or Update Schedule, meet critical Milestones which may result in a delay to the critical path, or Delay the Contract Time;

9. Failure to comply with the Subletting and Subcontracting Fair Practices, Public Contract Code Section 4100, et seq.
10. Failure to meet the requirements of the Americans with Disabilities Act;
11. Failure to complete Punch List work;
12. Failure to proceed on an Immediate Change Directive
13. Failure to correct a Notice of Deviation

If during the two (2) business day period, the Trade Contractor fails to Cure and correct the deficiency noted in the notice of Partial Default with diligence and promptness, the District may correct such deficiencies without prejudice to other remedies the District may have, including a Termination for Cause as set forth in Article 14. If there are inadequate funds remaining the Project balance or in the Retention Escrow to address at least 150% of the costs set forth in the Article 2.2 notice, the District may copy the Surety on the written notice of Partial Default. If a notice to the Surety is provided, except in the cases of Emergency or critical path delay, the Surety has the option to take over and complete the Work described in the written notice if Surety personally delivers notice to District that it intends to perform such work. In the case where written notice has been provided, the District shall allow Surety seven (7) days to perform the Work.

2.2.1 Service of Notice of Partial Default with Right to Cure

A written notice of Partial Default and Right to Cure under Article 2.2 (“Article 2.2 Notice” or “Notice of Partial Default”) shall be served by facsimile (with a copy provided by e-mail to the e-mail address provided on the Bid submitted and copied to the Project Superintendent).

2.2.2 Shortened Time for Partial Default in the Case of Emergencies.

In an Emergency situation, the District may correct any of the deficiencies described in Article 2.2 without prejudice to other remedies by providing service of written notice of Emergency requiring a shortened time for Partial Default specifying the time given to Cure, if any.

2.2.3 Shortened Time for Partial Default in the Case of Critical Path Delay

In the case of critical path delay, the District may correct any of the deficiencies described in Article 2.2 without prejudice to other remedies providing service of written notice of critical path delay to the Trade Contractor with a specific description of the critical path delay items noting the line item or area of Work that is on the critical path and prescribe the length of shortened time to cure, if any.

2.2.4 Written Notice of Partial Default to be Deducted by Deductive Change Order

The District shall have the right to determine the reasonable value of the Article 2.2 Partial Default Work, or if there is an actual value for the Work, shall use that value and issue a Deductive Change Orders under Article 7.7.4.

ARTICLE 3 THE TRADE CONTRACTOR

3.1 SUPERVISION AND CONSTRUCTION PROCEDURES

3.1.1 Trade Contractor

The Trade Contractor shall continually supervise and direct the Work using the Trade Contractor's best skill and attention. The Trade Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences, procedures; and shall coordinate all portions of the Work under the Contract, unless the Contract Documents give other specific instructions concerning these matters. Trade Contractor shall not perform the Work without utilizing the Contract Documents or, where required, approved Submittals, Shop Drawings, or samples for any such portion of the Work. If any of the Work is performed by contractors retained directly by the District, Trade Contractor shall be responsible for the coordination and sequencing of the work of those other contractors so as to avoid any impact on the Project Schedule pursuant to the requirements of Article 6 and Article 8. Specific duties of the Trade Contractor shall include those set out in Section 43 of Title 21 of the California Code of Regulations and Section 4-343 of Title 24 of the California Code of Regulations. These duties include, but are not limited to the following:

- a. *Responsibilities.* It is the duty of Trade Contractor to complete the Work covered by his or her Contract in accordance with the approved Plans and Specifications. Trade Contractor in no way is relieved of any responsibility by the activities of the Architect, Engineer, Inspector or DSA in the performance of their duties.
- b. *Performance of the Work.* Trade Contractor shall carefully study the approved Plans and Specifications and shall plan its schedule of operations well ahead of time. If at any time it is discovered that work is being done which is not in accordance with the approved Plans and Specifications, Trade Contractor shall correct the Work immediately.

3.1.2 Trade Contractor Responsibility to Study the Plans and Specifications and Plan for Coordination with Other Trade Contractors

All inconsistencies or timing or sequences which appear to be in error in the Plans and Specifications shall promptly be called to the attention of the Architect or, Engineer, for interpretation or correction. Local conditions which may affect the structure shall be brought to the Architect's attention at once. In no case, shall the instruction of the Architect be construed to cause work to be done which is not in conformity with the approved Plans, Specifications, Change Orders, Construction Change Documents, and as required by law. (See Title 24 Section 4-343). Trade Contractor shall also establish likely conflicts with the Work of other Trade Contractors through careful pre-planning of the Work set forth in the Scope of Work. If any Work is dependent on other Trades, Trade Contractor shall identify the coordination required and address in Trade Contractor Meetings and directly with other Trade Contractor. All Coordination with other Trades shall be identified in the Trade Contractor Baseline Schedule and in Trade Contractor Schedule Updates.

3.1.2.1 BIM Conflict Resolution [If BIM is utilized]. Trade Contractors shall review and address all Clash Detection reports provided for the Trade Contractor's Scope of Work during the Initial Coordination Construction Meetings. Trade Contractor is under an obligation to work through identified Clash Detection or else Trade Contractor waives all rights to any consequential damages that may arise

from failure to address Clash or Coordination issues identified prior to the start of Trade Contractor's Scope of Work. Waiver of consequential damages shall include the waiver of delays caused by failure to address conflict or clashes in the Trade Contractor's Work specifically identified and disruption, acceleration or additional costs other than for the actual cost of the additional Change Order Work itself. Further, Trade Contractor shall remain responsible for all consequential damages from other Trade Contractors for Trade Contractor's failure to address Clash Check detection or coordination issues identified by CM prior to the start of Trade Contractor's Scope of Work that Trade Contractor fails to address, make revisions, or seek COR's immediately following identification of the Coordination issue or Clash Check that has been identified.

3.1.3 All Work Under the Direction of Inspector

Pursuant to Title 24 requirements, Trade Contractor shall not carry on Work except with the knowledge of the Inspector. (See Title 24 generally) All notifications to the Inspector shall also be copied to the CM.

3.1.4 Trade Contractor to Establish Timing and Protocol with Inspector

Trade Contractors shall work together and with CM to establish a protocol for requesting inspection with Inspector so as to not delay the Work and provide adequate time for the Inspector to perform inspection. If such a protocol is not established ahead of time, Inspector may utilize the time criteria set by Title 24 of 48 hours in advance of submitting form DSA 156 for each new area. DSA requirements under PR 13-01 specifically gives the Special Inspector fourteen (14) days to post to the DSA website. Trade Contractor is responsible for delays and for failure to plan.

For some Projects, there may be a need to incrementally install certain assemblies. It is up to Trade Contractor to identify areas and assemblies that may be constructed incrementally. Trade Contractor must identify and establish incremental areas of construction, determine other Trade Contractors that are required for the incremental areas and establish protocols with Inspector for DSA 152 approvals so they may be presented to DSA. See PR 13-01 item 1.17 for further discussion.

3.1.5 Verified Reports

The Trade Contractor shall make and submit to the office from time to time, verified reports as required in Title 24 Section 4-366. As part of the Close-Out of the Project (see Article 9.9), Trade Contractor shall be required to execute a Form 6-C as required under Title 24 Sections 4-343.

Trade Contractor shall fully comply with any and all reporting requirements of Education Code Sections 17315, et seq., in the manner prescribed by Title 24, as applicable.

3.1.6 Trade Contractor Responsibility

The Trade Contractor shall be responsible to the Design Team and to other Trade Contractors for acts and omissions of the Trade Contractor's employees, Subcontractors, material and equipment suppliers, and their agents, employees, invitees, and other persons performing portions of the Work under direct or indirect contract with the Trade Contractor or any of Trade Contractor's Subcontractors.

3.1.7 Obligations not Changed by Architect's Actions

The Trade Contractor shall not be relieved of obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect in the Architect's administration of the Contract or by tests, inspections, or approvals required or performed by persons other than the Trade Contractor.

3.1.8 Acceptance/Approval of Work

The Trade Contractor shall be responsible to determine when any completed portions of the Work already performed under this Contract or provided pursuant to Article 6 are suitable to receive subsequent Work thereon.

3.2 SUPERVISION

3.2.1 Full Time Supervision

Trade Contractor shall keep on the Work at all times, at Initial Coordination Meetings, and as required by CM, at time during the progress of the Work, a competent, English speaking construction Superintendent satisfactory to the District. The Superintendent shall be present on a full-time basis, shall be dedicated exclusively to the Project and shall not share superintendence duties with another project or job. The Superintendent shall not be replaced except with written consent of the District. The Superintendent shall represent Trade Contractor and shall be fully authorized to receive and fulfill any instruction from the Architect, the Inspector, the District or any other District Representative (including CM in the cases where the District has a CM representative). All Requests for Information shall be originated by the Superintendent and responses thereto shall be given to the Superintendent. No Work shall begin on any day by any Subcontractor or other person on the Project site until the Superintendent has arrived, or shall any Work continue during the day after the Superintendent has departed from the Project site. The Superintendent shall have authority to bind Trade Contractor through the Superintendent's acts. The Superintendent shall represent the Trade Contractor, and communications given to the Superintendent shall be binding on Trade Contractor. Before commencing the Work, Trade Contractor shall give written notice to District (and CM representative) and Architect of the name and a Statement of Qualifications of such superintendent. Superintendent shall not be changed except with written consent of District, unless a superintendent proves to be unsatisfactory to Trade Contractor and ceases to be in its employ, in which case, Trade Contractor shall notify District and Architect in writing. Trade Contractor shall provide a replacement superintendent approved by the District prior to performing additional work.

3.2.2 Staff

Notwithstanding other requirements of the Contract Documents, the Trade Contractor shall: (1) furnish a competent and adequate staff as necessary for the proper administration, coordination, supervision, and superintendence of its portion of the Work; (2) organize the procurement of all materials and equipment so that the materials and equipment will be available at the time they are needed for the Work; and (3) keep an adequate force of skilled and fit workers on the job to complete the Work in accordance with all requirements of the Contract Documents.

3.2.3 Right to Remove

District shall have the right, but not the obligation, to require the removal from the Project of any superintendent, staff member, agent, or employee of any Trade Contractor, Subcontractor, material or equipment supplier.

3.3 LABOR AND MATERIALS

3.3.1 Trade Contractor to Provide

Unless otherwise provided in the Contract Documents, Trade Contractor shall provide and pay for labor, material, equipment, tools, construction equipment and machinery, water, heat, air conditioning, utilities, transportation, and other facilities, services and permits necessary for proper execution and completion of the Work whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

3.3.2 Quality

Unless otherwise specified, all materials and equipment to be permanently installed in the Project shall be new and shall be of the highest quality or as specifically stated in the Contract Documents. Trade Contractor shall, if requested, furnish satisfactory evidence as to kind and quality of all materials and equipment within ten (10) days of a written request by the District, including furnishing the District with bona fide copies of invoices for materials or services provided on the Project. All labor shall be performed by workers skilled in their respective trades, and shall be of the same or higher quality as with the standards of other school construction.

3.3.3 Replacement

Any work, materials, or equipment, which do not conform to these requirements or the standards set forth in the Contract Documents, may be disapproved by the District, in which case, they shall be removed and replaced by Trade Contractor at no additional cost or extension of time to the District.

3.3.4 Discipline

Trade Contractor shall enforce strict discipline and good order among Trade Contractor's and Trade Contractor's Subcontractor's employees, and other persons carrying out the Contract. Trade Contractor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. As used in this subsection, "unfit" includes any person who the District concludes is improperly skilled for the task assigned to that person, who fails to comply with the requirements of this article, or who creates safety hazards which jeopardize other persons and/or property.

3.3.5 Fingerprinting (Applicable at the time Project is Occupied and on all Projects where Workers will come in Contact with Pupils, such as Modernization Projects)

If applicable, Trade Contractor shall comply with the applicable provisions of Education Code Section 45125.1 in a method as determined by the District. Pursuant to Education Code Section 45125.1, Trade Contractor shall either conduct criminal background checks of all employees of Trade Contractor assigned to the Project site, and shall certify that no employees who have been convicted of or who have an arrest pending final adjudication for any serious or violent felonies, as specified in Education

Code Section 45125.1, will have contact with pupils, by utilizing the Trade Contractor Certification Regarding Background Checks and the corresponding Attachment “A” as found in the Contract Documents or shall be separated by a physical barrier from students.

If it is determined that Trade Contractor must provide certification of employees, as part of such certification, Trade Contractor must provide the District with a list of all employees providing services pursuant to this Agreement, and designate which sites such employees will be assigned. In performing the services set forth in this Agreement, Trade Contractor shall not utilize any employees who are not included on the above-referenced list.

In the case of new construction Projects where there are no students, if the Project Schedule provides for Beneficial Occupancy or portions of the Project or if the Project should be delayed, then Trade Contractor, at no additional costs, shall meet the requirements of either fingerprinting or providing a physical barrier as required by the District.

Trade Contractor’s failure to comply with this law shall be considered a material breach of this Agreement upon where this Agreement may be terminated for cause, at Owner’s sole discretion, without any further compensation to Trade Contractor.

3.3.6 Noise, Drugs, Tobacco, and Alcohol

Trade Contractor shall take all steps necessary to insure that employees, Subcontractors and vendors employees do not use, consume, or work under the influence of any alcohol, tobacco or illegal drugs while on the Project. Trade Contractor shall further prevent any of its employees or its Subcontractor employees from playing any recorded music devices or radios or wearing any radio headphone devices for entertainment while working on the Project. Likewise, Trade Contractor shall prevent its employees or Subcontractor’s employees from bringing any animal onto the Project. Trade Contractors shall not violate any written school policies.

3.3.7 Delivery of Material

Trade Contractor shall place orders for materials or equipment so that the Work may be completed in accordance with the Project Baseline Schedule for the Work as set forth in Article 8 of this Agreement. Trade Contractor shall, upon demand from the Architect, furnish to the Architect documentary evidence including, but not limited to purchase orders, invoices, bills of materials, work orders and bills of lading, showing that orders have been placed. Trade Contractor shall have a system to receive materials and to ensure that the proper materials are being delivered, including in the case of critical materials to the Project, checking the delivery against Shop Drawings and ensuring that the materials meet the requirements of not only the Plans and Specifications, but also the approved Shop Drawings and Submittals and in conformance with Trade Contractor’s plan for delivery of materials (including but not limited to Trade Contractor’s representations in Trade Contractor Baseline Schedule for the Project and Trade Contractor’s equipment and materials schedule under Article 3.7.2.2). Trade Contractor shall be responsible for all costs of accepting non-conforming materials delivered to the Project given Trade Contractor’s responsibilities and system for acceptance of deliveries. Trade Contractor shall notify Inspector and District Representative (including CM) as early as possible, in writing, of the delivery of materials for the Project. The deliveries shall include documentation identifying the shipment sufficiently so that the Inspector, Architect or District Representative (including CM) may review the materials that are received.

Under no circumstances shall materials be delivered to the Project site that are meant for another Project.

3.3.8 Liens and Other Security Interests of Subcontractors and Material Suppliers

No material, supplies, or equipment for the Work shall be purchased subject to any chattel mortgage or under a conditional sale or other agreement by which an interest therein or in any part thereof is retained by seller or supplier. Trade Contractor warrants good title to all material, supplies, and equipment installed or incorporated in Work and agrees upon completion of all Work to deliver premises, together with all improvements and appurtenances constructed or placed thereon by it, to District free from any claims, security interests, liens, or charges. Trade Contractor further agrees that neither it nor any person, firm, or corporation furnishing any materials or labor for any Work covered by this Contract shall have any right to place a lien upon the premises or any improvement or appurtenance thereof, except that Trade Contractor may install metering devices or other equipment of a utility company or political subdivision, title to which is commonly retained by the utility company or political subdivision. In event of installation of any such metering device or equipment, Trade Contractor shall advise District as to its owner within five (5) days of such installation in writing, prior to making the installation.

Trade Contractor agrees to indemnify, defend and hold the District harmless from any liens, stop notices, or assertion of security interests, including judgments and levies. If after written notice Trade Contractor fails to address the lien, stop notice, or other security interest, the District may proceed to address the lien, stop notice or claim and seek reimbursement from Trade Contractor.

3.3.8.1 *Stop Notice Releases.* All stop notice releases shall be notarized and either executed by the same person who filed the stop notice or from an officer of the Trade Contractor or manager of Trade Contractor authorized to release stop notices.

3.3.9 Title to Materials

The title to new materials or equipment for the Work of this Contract shall remain with Trade Contractor until incorporated in the Work of this Contract until final acceptance of the Project; no part of said materials shall be removed from its place of storage, and Trade Contractor shall keep an accurate inventory of all said materials and equipment in a manner satisfactory to the District or its authorized representative. Responsibility for materials remains with Trade Contractor and Trade Contractor shall replace materials in case of loss. District similarly may pay for materials stored off site, but Trade Contractor shall remain responsible for the materials that are stored off site.

3.3.10 Assemblies

For all material and equipment specified or indicated in the Drawings, Trade Contractor shall provide all labor, materials, equipment, and services necessary, (including engineering as specifically required with Shop Drawings or Deferred Approvals) for complete assemblies and complete working systems. Incidental items not indicated on the Drawings, nor mentioned in the Specifications, that can legitimately and reasonably be inferred to belong to the Work described, or be necessary in good practice to provide a complete assembly or system, shall be furnished as though itemized in the Contract Documents in every detail. In all instances, material and equipment shall be installed in strict accordance with each manufacturer's most recent published recommendations and specifications.

3.3.11 Noise Control

The Trade Contractor shall be responsible for the installation of noise reducing devices on construction equipment. Trade Contractor shall comply with the requirements of the city and county having jurisdiction with regard to noise ordinances governing construction sites and activities. Construction equipment noise is subject to the control of the Environmental Protection Agency's Noise Control Program (Part 204 of Title 40, Code of Federal Regulations). If school is in session at any point during the progress of the Project, and, in the District's reasonable discretion, the noise from such Work disrupts or disturbs the students or faculty or the normal operation of the school, at the District's request, the Trade Contractor shall schedule the performance of all such Work around normal school hours or make other arrangements so that the Work does not cause such disruption or disturbance. There are specific periods of testing at operational schools and it is critical that Trade Contractor control noise during periods of testing. In no event shall Trade Contractor have a right to receive additional compensation or an extension to the Contract time as a result of any such rescheduling or the making of such arrangements. These controls shall be implemented during site preparation and construction. All noise related issues, including school operations, and noise during testing should be detailed in the Schedule provided pursuant to Article 8

3.4 WARRANTY

Trade Contractor warrants to the District and Architect that material and equipment furnished under the Contract will be of the highest quality and new unless otherwise required or permitted by the Contract Documents, that the Work will be free from defects not inherent in the quality required or permitted, and that the Work will conform with the requirements of the Contract Documents. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. Trade Contractor's warranty to District includes, but is not limited to, the following representations:

- a. In addition to any other warranties provided elsewhere, Trade Contractor shall, and hereby does, warrant all Work after the date of Notice of Completion of Work by District and shall repair or replace any or all such Work, together with any other Work, which may be displaced in so doing that may prove defective in workmanship or materials within a one (1) year period from date of Final Completion which shall be no later than the final date of Punch List as noted at Article 9.11) without expense whatsoever to District, ordinary wear and tear, unusual abuse or neglect excepted. District will give notice of observed defects with reasonable promptness. Trade Contractor shall notify District upon completion of repairs.
- b. In the event of failure of Trade Contractor to comply with above mentioned conditions within one week after being notified in writing, District is hereby authorized to proceed to have defects repaired and made good at expense of Trade Contractor who hereby agrees to pay costs and charges therefore immediately on demand.
- c. If, in the opinion of the District, defective Work creates a dangerous condition or requires immediate correction or attention to prevent further loss to the District, the District will attempt to give the notice required by this Article. If Trade Contractor cannot be contacted or does not comply with the District's requirements for correction within a reasonable time as determined by the District, the District may, notwithstanding the provisions of this article, proceed to make such correction or attention which shall be charged against Trade

Contractor. Such action by the District will not relieve the Trade Contractor of the guarantee provided in this Article or elsewhere in this Contract.

- d. This Article does not in any way limit the guarantee on any items for which a longer warranty is specified or on any items for which a manufacturer gives a guarantee for a longer period. Trade Contractor shall furnish District all appropriate guarantee or warranty certificates upon the Final Completion of the Project (See Article 9.11.5).

3.5 TAXES

Trade Contractor will pay all applicable Federal, State, and local taxes on all materials, labor, or services furnished by it, and all taxes arising out of its operations under the Contract Documents. District is exempt from Federal Excise Tax, and a Certificate of Exemption shall be provided upon request.

3.6 PERMITS, FEES AND NOTICES

3.6.1 Payment

The Trade Contractor shall secure and pay for all permits and governmental fees, licenses, and inspections necessary for proper execution and completion of the Work which are necessary after execution of the Contract and are legally required by any authority having jurisdiction over the Project, except those required by the Division of the State Architect (DSA). District shall be responsible for all testing and inspection as required by the DSA on-site or within the distance limitations set forth in Article 13.5.2, unless a different mileage range is specified in the Supplemental Conditions.

3.6.1.1 *DSA Fees.* DSA policy is to charge CCD review fees for processing and approval of changes in the Plans and Specifications through the Construction Change Document process. Trade Contractor is specifically directed to the current DSA IR A-30 which provides fee structure and charges that will be incurred for proceeding with respect to the CCD process, a process that must be followed for each change in the Plans and Specifications.

3.6.2 Compliance

The Trade Contractor shall comply with and give notices required by any law, ordinance, rule, regulation, and lawful order of public authorities bearing on performance of the Work. Specifically, the Division of State Architect provides State oversight of the Project and enforcement of Title 24 rules and regulations. Trade Contractor is directed to the DSA website. There will be local governmental oversight from City, County or both. Finally, Regional Water Quality Control Board, State Fire Marshall, local fire marshal, Department of Industrial Relations, Department of Labor Standards Enforcement, and Air Quality Management District (Local and State) are some of the agencies that provide oversight and may require specific permits, fees, or provide oversight over the Project. Trade Contractor represents understanding and specialized knowledge of the rules governing school districts and Trade Contractor shall maintain compliance over the applicable rules and will file all documents required in order to ensure compliance with State, local, and other rules that apply to the Project.

3.6.3 Responsibility

Trade Contractor shall perform all Work in conformance with every law, statute, ordinance, Building Code, rule or regulation. The Trade Contractor shall assume full responsibility for such Work and shall bear the attributable cost of correction or Project delay.

Pursuant to Title 24 Section 4-343(b),

“Contractor shall carefully study the approved Plans and Specifications and shall plan a schedule of operations well ahead of time.... All inconsistencies or items which appear to be in error in the Plans and Specifications shall be promptly called to the attention of the architect or registered engineer, through the Inspector, for interpretation or correction.”

To help Trade Contractor plan its operations, Trade Contractor is directed to study the current version of the DSA 152 Inspection Card Manual identifying the exact steps the Inspector is to follow in the review and sign off process for the DSA 152. The DSA 152 Inspection Card Manual provides specific detail as to the order of operations, review items and compliance items beyond the Specifications and Plans which are reviewed for DSA compliance. The most current version of this manual is located on DSA’s website.

Trade Contractor is also specifically directed to the time periods for posting of Special Inspection Reports and Inspector Notifications under DSA PR 13-01 since the timing of Inspection is not a Governmental Entity related delay.

3.7 SUBMITTALS REQUIRED AT THE COMMENCEMENT OF THE PROJECT

3.7.1 Requirements Within Ten (10) Calendar Days

Within ten (10) calendar days after Notice to Proceed, Trade Contractor shall submit the following:

- 3.7.1.1 Detailed Schedule of Values (See Article 9.2)
- 3.7.1.2 Submittal Listing and Schedule for Submittals
- 3.7.1.3 Critical Path Schedule (See Article 8)

3.7.2 Requirements Within Thirty-Five (35) Calendar Days

Within thirty-five (35) calendar days after Notice to Proceed, Trade Contractor shall submit the following:

3.7.2.1 *All Submittals for the Project* except those specifically agreed upon by District and Architect, in writing, and shall be specifically incorporated into the Submittal section of the Schedule so as to not delay the Work. The agreement to allow a later Submittal does not mean that Article 3.3.7 is waived. Trade Contractor shall order materials and ensure prices are honored and secured for the Project.

- a. Structural Steel may be included as a later Submittal than 35 days if Structural Steel is a significant portion of the Work, at least one or some of the Project is a

structural steel structural system, or as specifically agreed upon by the Architect or District.

- b. It is specifically agreed that submissions of structural steel Submittals shall not be piecemeal (unless some portion is requested separately by the District or Architect), shall provide complete designs, shall be stamped by the Structural Steel Subcontractor, Trade Contractor, and structural steel Subcontractor's structural engineer at time of submission and as further addressed in Article 3.9.
- c. In no case shall the submission of structural steel drawings delay the critical path for the Schedule. If a Milestone is provided for submission of complete structural steel Shop Drawings then the date shall be no later than as set forth in the Milestone

3.7.2.2 *Exceptions to Submittal Within Thirty-Five (35) Days by Written Agreement.* A written request detailing the specific reasons for a submission later than 35 days due to complexity of design or non-critical path status of the Submittal shall be submitted at the time the Trade Contractor Baseline Schedule is submitted. The Trade Contractor Baseline Schedule shall not include a delayed Submittal until written agreement is provided. In addition to the request for providing a Submittal after the thirty-five (35) day period, a copy of the Contract with the Subcontractor who shall be performing the Submittal, a written statement from the Subcontractor verifying that work has commenced on the Submittal and providing Subcontractor's own schedule of milestones and completion dates, and a corresponding Submittal designation in the Schedule as required under Article 8. Approval of a delayed Submittal shall not result in any increase in the Contract Price or result in an extension of time for the completion of the Project.

3.7.2.3 *Piecemeal Submissions of Submittals.* Piecemeal Submittal means providing portions of Shop Drawings or Submittals as they are being completed. The submission of piecemeal Submittals results in the appearance of a submission when there is inadequate information for the Architect or Engineer to adequately review a submission. Piecemeal differs from submission of complete buildings or phases of buildings or complete assemblies. The Architect may agree in writing to allow submission of single buildings or areas as long as the Submittals are complete.

3.8 DOCUMENTS, SAMPLES, AND COMPUTER AT THE SITE

The Trade Contractor shall maintain at the Site for the District one current copy of the California Building Code, Titles 19 and 24 of the California Code of Regulations, any other document required by DSA, and one record copy of the Drawings, Specifications, Addenda, Change Orders, and other Modifications, in good order and marked currently to record changes and selections made during construction. In addition, Trade Contractor shall maintain at the Site approved Shop Drawings, Product Data, samples, and similar required Submittals. These documents shall be available to the Architect and shall be delivered to the Architect for delivery to the District upon completion of the Work.

Trade Contractor shall have an operational computer with internet access so Trade Contractor can review and post documents as required for the Project, including but not limited to the filing and posting of DSA required documents for the Project.

Trade Contractor shall be prepared to review documents posted to the DSA Project website.

3.9 SUBMITTALS INCLUDING SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES

3.9.1 Definitions

3.9.1.1 *Deferred Approvals.* Approval of certain aspects of the construction may be deferred until the construction Contract has been awarded. To facilitate the design process, DSA grants Deferred Approval to the design and detailing of certain elements of the Project at the request of the Architect or Engineer of Record. Design elements that may be deferred may include, but are not limited to access floors, bleachers, elevator guide rails and related elevator systems, exterior wall systems - precast concrete, glass fiber reinforced concrete, etc. , skylights, window wall systems, storefronts, stage rigging, and other systems as noted in the Contract Documents. (Also see Article 1.2.2 and 3.9.3)

3.9.1.2 *Shop Drawings.* The term “Shop Drawings” as used herein means drawings, diagrams, equipment or product schedules, and other data, which are prepared by Trade Contractor, Subcontractors, manufacturers, suppliers, or distributors illustrating some portion of the Work, and includes: illustrations; fabrication, erection, layout and setting drawings; manufacturer’s standard drawings; schedules; descriptive literature, instructions, catalogs, and brochures; performance and test data including charts; wiring and control diagrams; and all other drawings and descriptive data pertaining to materials, equipment, piping, duct and conduit systems, and methods of construction as may be required to show that the materials, equipment, or systems and their position conform to the requirements of the Contract Documents.

3.9.1.3 *Manufactured* applies to standard units usually mass-produced, and “Fabricated” means items specifically assembled or made out of selected materials to meet individual design requirements. Shop Drawings shall: establish the actual detail of all manufactured or fabricated items, indicate proper relation to adjoining work, amplify design details of mechanical and electrical systems and equipment in proper relation to physical spaces in the structure, and incorporate minor changes of design or construction to suit actual conditions.

3.9.1.4 *Submittals* is a term used interchangeably and sometimes refers to Shop Drawings, Product Data, and samples since all Subcontractor submissions are tracked in a Submittal Log and may include any of the noted items. However, generally, a Submittal is a manufacturer’s product information and Product Data including description, characteristics, size, physical characteristics, and requirements to prepare the jobsite for receiving of the particular manufactured item.

3.9.1.5 *Samples.* The term “samples” as used herein are physical examples furnished by Trade Contractor to illustrate materials, equipment, or quality and includes natural materials, Fabricated items, equipment, devices, appliances, or parts thereof as called for in the Specifications, and any other samples as may be required by the Architect to determine whether the kind, quality, construction, finish, color, and other characteristics of the materials, etc., proposed by Trade Contractor conform to the required characteristics of the various parts of the Work. All Work shall be in accordance with the approved samples.

3.9.2 Shop Drawings.

3.9.2.1 *When Shop Drawings Are Required.* Shop Drawings are required for pre-Fabricated components and for installation and coordination of these pre-Fabricated components into the Project. In addition, Shop Drawings, are prepared to address the actual size and installation of components from various Subcontractors and provides an opportunity for Trade Contractor to coordinate and address

conflicts between the subcontracting trades. In some cases, each Subcontractor or trade will provide Shop Drawings in a BIM format or other format as agreed by District.

3.9.2.2 *Purpose for Shop Drawings.* Shop Drawings are Trade Contractor’s manufacturer, Subcontractor, supplier, vendor or the Trade Contractor’s detailed drawings showing particularized method for assembly, specifics to a manufacturer, manufacturer component installation requirements, specifics as to a manufactured item, alterations to a manufactured, a custom created item, or drawn version of more detailed information expanding on the Architect’s design shown in the Contract Documents. The Shop Drawings address the appearance, performance, size, weight, characteristics and prescriptive descriptions associated with the Trade Contractor or Trade Contractor’s Subcontractor’s plan for installation or assembly based on the design in the Specifications and Contract Documents. The Shop Drawing often is more detailed than the information shown in the Contract Documents to give the Architect and Engineer the opportunity to review the fabricator’s version of the product (along with particulars specific to that particular product), prior to fabrication. References to the Contract Documents, Construction Documents, Drawings, Plans, and Specifications assist the Architect and Engineer in their review of the Shop Drawings. Attachment of manufacturer’s material specifications, “catalog cut sheets,” and other manufacturer’s information may be provided to accompany Shop Drawings. Because Shop Drawings facilitate the Architect’s and Engineer’s approval of the system, they should be as clear and complete as possible so they may be reviewed by Architect or Engineer for the Project.

3.9.2.3 *Shop Drawing Requirements.* Trade Contractor shall obtain and submit with Shop Drawings all seismic and other calculations and all Product Data from equipment manufacturers. “Product Data” as used herein are illustrations, standard schedules, performance charts, instructions, brochures, diagrams, and other information furnished by Trade Contractor to illustrate a material, product, or system for some portion of the Work.

3.9.2.4 *Not a Reproduction of Architectural or Engineering Drawings.* The Shop Drawings are not a reproduction of the architectural or engineering Drawings. Instead, they must show more detail than the Construction Documents and details the fabrication and/or installation of the items to the manufacturer’s production crew or Trade Contractor’s installation crews.

3.9.2.5 *Shop Drawings Engineering Requirements:* Some Shop Drawings require an engineer stamp to be affixed on the Drawings and calculations. In such cases, a current and valid engineering stamp shall be affixed by a California registered engineer. No out of state engineers shall stamp Shop Drawings. (See DSA IR A-18). In most cases, an engineer means California registered mechanical, structural, electrical or plumbing engineer. California Registered Civil Engineers will not be accepted for structural details unless specifically approved by DSA.

3.9.2.6 *DSA Approvals Required Prior to Work.* No work on a Shop Drawing that requires DSA approval may proceed until DSA approval is received. Trade Contractor has provided DSA approval time and allowed adequate time for corrections in Trade Contractor’s Schedule as required pursuant to Article 8.

3.9.2.7 *Shop Drawing Identification.* All Shop Drawings must be properly identified with the name of the Project and dated, and accompanied by a letter of transmittal referring to the name of the Project and to the Specification section number for identification of each item clearly stating in narrative form, as well as “clouding” all qualifications, departures, or deviations from the Contract Documents. Shop Drawings, for each section of the Work shall be numbered consecutively and the numbering system shall

be retained throughout all revisions. All Subcontractor submissions shall be made through Trade Contractor. Each drawing shall have a clear space for the stamps of CM, Architect and Trade Contractor.

3.9.3 Deferred Approvals

Deferred approvals shall be submitted and processed to ensure all DSA and other governmental approvals are secured so as to not delay the Project. There may be additional requirements for Deferred Approvals at Division 1 of the Specifications. All Deferred Approvals shall be prepared by Trade Contractor or Trade Contractor's agent early enough so as to not delay the Project. Trade Contractor is aware that Title 24 California Code of Regulations Section 4-317 has specific requirements for Deferred Approval as to governing agencies and as to the Architect and Engineer for the Project. As a result, any delay associated with the time for approval by applicable agencies or by the Architect or Architect's consultants shall be Trade Contractor's. Trade Contractor is required to comply with inclusion of Deferred Approvals in the Schedule as required under Article 3.9.6 *DSA Approvals Required Prior to Work*. No work on a Deferred Approval item may proceed on the components until DSA approval is received. Trade Contractor has provided DSA approval time and allowed adequate time for any DSA revisions in Trade Contractor's Schedule as required pursuant to Article 8.

3.9.4 Submittals and Samples

3.9.4.1 *Information Required With Submittals*: Manufacturer, trade name, model or type number and quantities: Information provided must be of sufficient detail to allow Architect and Engineer to compare the submitted item with the specified products and acceptable products listed, in the Specifications and addenda.

3.9.4.2 *Description of Use and Performance Characteristics*: Information should be furnished describing the normal use and expected performance of the product. The Design Team and Trade Contractor review this information to confirm that the product is appropriate for the intended use.

3.9.4.3 *Size and Physical Characteristics*: The size and physical characteristics, such as adjustment capabilities, which is reviewed by both the Trade Contractor, and Design Team. The Trade Contractor has the most available information for comparing adjoining materials and equipment. Trade Contractor also needs to know the size and weight of the equipment for lifting and handling considerations.

3.9.4.4 *Finish Characteristics*: The Architect reviews the available finishes and selects the appropriate finish, if the finish was not previously specified in the documents. Trade Contractor should confirm that finish requirements in the Specifications are being met by the product.

3.9.4.5 *Trade Contractor Responsible for Jobsite Dimensions*: Some material is custom-fabricated to job conditions, requiring dimensions from the jobsite. These jobsite dimensions are provided by Trade Contractor as part of Trade Contractor's responsibilities for the Project and shall be provided prior to release of the product for manufacture. Trade Contractor shall not rely on Architect or Engineers to provide jobsite dimensions.

3.9.4.6 *Full Range of Samples Required (When Specific Items Not Specified)*. Except in cases where the exact color and type of item is specified since the District is utilizing items Standardized or pre-selected by District, the full range of color, graining, texture, or other characteristics are anticipated for review in finished products, a sufficient number of samples of the specified materials shall be furnished by the Trade Contractor to indicate the full range of characteristics which will be present in the finished

products. Products delivered or erected without Submittal and approval without providing a full range of samples shall be subject to rejection. Except for range samples, and unless otherwise called for in the various sections of the Specifications or Specification Section 1, samples shall be submitted in duplicate.

3.9.4.7 *Labeling of Samples.* All samples shall be marked, tagged, or otherwise properly identified with the name of the submitting party, the name of the Project, the purpose for which the samples are submitted and the date.

3.9.4.8 *Transmittal letter.* All samples shall be accompanied by a letter of transmittal containing similar information, together with the Specification section number.

3.9.4.9 *Labels and Instructions.* All samples of materials shall be supplied with the manufacturer's descriptive labels and application instructions. Each tag or sticker shall have clear space for the review stamps of Trade Contractor and Architect.

3.9.4.10 *Architect's Review.* The Architect and CM will review and, if appropriate, approve submissions and will return them to Trade Contractor with the Architect's stamp and signature applied thereto, indicating the timing for review and appropriate action in compliance with the Architect's (or District's) standard procedures. CM may, in some cases, reject samples that are not in conformance with Contract requirements without sending the Submittal on to the Architect.

3.9.5 Submittal Submission Procedure

3.9.5.1 *Transmittal Letter and Other Requirements.* All Submittals must be properly identified with the name of the Project and dated, and each lot submitted must be accompanied by a letter of transmittal referring to the name of the Project and to the Specification section number for identification of each item clearly stating in narrative form, as well as "clouding" on the submissions, all qualifications, departures, or deviations from the Contract Documents. Shop Drawings, for each section of the Work shall be numbered consecutively and the numbering system shall be retained throughout all revisions. All Trade Contractor Subcontractor submissions shall be made through the Trade Contractor. Each drawing shall have a clear space for the stamps of Architect and Trade Contractor.

3.9.5.2 *Copies Required.* Each Submittal shall include one (1) legible, reproducible (if electronic is available, electronic copies shall also be provided) and five (5) legible prints of each drawing or schedule, table, cut sheet, etc., including fabrication, erection, layout and setting drawings, and such other drawings as required under the various sections of the Specifications, until final acceptance thereof is obtained. Subcontractor shall submit copies, in an amount as requested by the Trade Contractor, of: (1) manufacturers' descriptive data for materials, equipment, and fixtures, including catalog sheets showing dimensions, performance, characteristics, and capacities; (2) wiring diagrams and controls; (3) schedules; (4) all seismic calculations and other calculations; and (5) other pertinent information as required by the District or Architect.

3.9.5.3 *Corrections.* Trade Contractor shall make all corrections required by the Design Team and shall promptly resubmit corrected Submittals until approved. Trade Contractor shall direct specific attention in writing or on resubmitted Shop Drawings to revisions other than the corrections required by the Architect on previous submissions. Professional services required for more than one (1) re-review of required Submittals of Shop Drawings, Product Data, or samples are subject to charge to the Trade Contractor pursuant to Article 4.5.

3.9.5.4 *Approval Prior to Commencement of Work.* No portion of the Work requiring a Shop Drawing or sample submission or other Submittal shall be commenced until the submission has been reviewed by Trade Contractor and CM and approved by Architect unless specifically directed in writing by the Architect. All such portions of the Work shall be in accordance with approved Submittals.

3.9.5.5 *District's Property.* All Submittals, Shop Drawings, computer disks, BIM modeling information, Clash Checks, schedules, annotated Specifications, samples and other Submittals shall become the District's property upon receipt by the District or Architect.

3.9.6 Schedule Requirements for Submittals

Trade Contractor shall obtain and shall submit all required Submittals (i.e. Shop Drawings, Deferred Approvals, samples, etc.), in accordance with Trade Contractor's "Schedule for Submission of Shop Drawings and Samples" as required in the scheduling portion of the General Conditions at Articles 8 and the Specifications (as long as the Specifications do not conflict with General Conditions). In the case of conflict, the conflicting provision shall be controlled by the General Conditions and the remaining Specification sections shall be interpreted as if the general conditions language is inserted) with such promptness as to cause no delay in its own Work or in that of any other contractor or Subcontractor but in no event later than thirty five (35) days after the Notice to Proceed is issued except in the specific cases noted as an exception under Article 3.7.2.1. No extensions of time will be granted to Trade Contractor because of its failure to have Submittals submitted in accordance with the requirements of this Article and the Project Baseline Schedule or Updated Schedule. Subcontractors for Trade Contractor shall submit Submittals for the review of the District, the Trade Contractor, and the Architect through the Trade Contractor.

3.9.6.1 *Consideration of Schedule.* Trade Contractor has considered lead times, DSA or other agency governmental review times, Architect or Engineer review times, manufacturing seasons, and specific long lead procurement concerns for all submittals for the Project.

3.9.7 General Submittal Requirements

3.9.7.1 *Trade Contractor Submittal Representations and Coordination.* By submitting Shop Drawings, Product Data, samples, etc., the Trade Contractor represents that it has determined and verified all materials, field measurements, catalog numbers, related field construction criteria, and other relevant data in connection with each such submission, and that it has checked, verified, and coordinated the information contained within such Submittals with the requirements of the Work and of the Contract Documents, including the Project Baseline Schedule and Updated Schedules.

3.9.7.2 *Trade Contractor Coordination.* Trade Contractor shall stamp, sign, and date each Submittal indicating its representation that the Submittal meets all of the requirements of the Contract Documents and evidence Trade Contractor's review through execution of the following stamp to be placed on each Shop Drawings:

"The [Trade Contractor] has reviewed and approved the field dimensions and the construction criteria, and has also made written notation regarding any information in the Shop Drawings and Submittals that does not conform to the Contract Documents. This Shop Drawing or Submittal has been coordinated with Shop Drawings and Submittals that may affect my Work and this duty of coordination has not been delegated to subcontractors, material suppliers, the Architect, or the Engineers on this Project.

Signature of Trade Contractor and date

3.9.7.3 *No Deviation from Contract Documents.* The submission of the Shop Drawings, Product Data, samples, etc., shall not deviate from the requirements of the Contract Documents including detailing and design intent which is specifically outlined in Contract Documents except as specifically authorized by the Architect or through an accepted substitution pursuant to Article 3.10.4. All deviations from the Contract Documents shall be narratively described in a transmittal accompanying the Shop Drawings. However, Shop Drawings shall not be used as a means of requesting a substitution, the procedure for which is defined in Article 3.10.4, "Substitutions."

3.9.7.4 *Trade Contractor Responsibility for Shop Drawings Conformance to Contract Documents.* Review by District and Architect shall not relieve the Trade Contractor from its responsibility in preparing and submitting proper Submittals and Shop Drawings in accordance with the Contract Documents.

3.9.7.5 *Incomplete Submittals.* Any submission, which in CM or Architect's opinion is incomplete, contains errors, or has been checked superficially, will be returned not reviewed by the Architect for resubmission by Trade Contractor. The Trade Contractor shall be responsible for any related delays and shall not be the basis for any Claim.

3.9.7.6 *Shop Drawings and Submittals Shall Not Be Used as a Method to Make a Substitution.* Shop Drawings and Submittals shall not be used as a means of requesting a substitution or to make changes in the Contract Documents. If changes are made to the Contract Documents through the Shop Drawings, the Architect shall have the right to reject the Submittal. If the Architect does not note the deviation from the approved Plans and Specifications, Trade Contractor is still responsible for the change and the Design Team may require the Shop Drawings be revised to properly reflect the approved Contract Documents. The Design Team may also require that the Trade Contractor bear all costs under Article 4.5 and consequential damages associated with a CCD to revise Plans and Specifications to accommodate the deviation from approved Plans and Specifications.

3.9.7.7 Extent of Review. In reviewing Shop Drawings, the Design Team and engineers for the Project will not verify dimensions and field conditions. Review of field dimensions is Trade Contractor's responsibility. The Architect will review and approve Shop Drawings, Product Data, samples, etc., for aesthetics and for conformance with the design concept of the Work and the information in the Contract Documents. The Architect's review shall neither be construed as a complete check which relieves the Trade Contractor, Subcontractor, manufacturer, fabricator, or supplier from responsibility for any deficiency that may exist or from any departures or deviations from the requirements of the Contract Documents unless the Trade Contractor has, in writing, called the Architect's attention to the deviations at the time of submission. The Architect's review shall not relieve Trade Contractor from responsibility for errors of any sort in Shop Drawings or schedules, for proper fitting of the Work, coordination of the differing trades and Shop Drawings and Work which is not indicated on the Shop Drawings at the time of submission of Shop Drawings. Trade Contractor shall be solely responsible for any quantities which may be shown on the Submittals or Contract Documents.

3.10 SUBSTITUTIONS

3.10.1 Definition

A Substitution is a change in product, material, equipment, or method of construction from those required by the Construction Documents proposed by Trade Contractor. For this Project, a Substitution is subject to the filing of a Construction Substitution Request Form at the time of bid and meeting the requirements of this Article.

3.10.2 One Product Specified

Unless the Specifications state that no substitution is permitted, whenever the Contract Documents indicate any specific article, device, equipment, product, material, fixture, patented process, form, method, or type of construction or any specific name, make, trade name, or catalog number, with or without the words “or equal,” such specification shall be deemed to be used for the purpose of facilitating description of the material, process, or article desired and shall be deemed to be followed by the words “or equal.” Subject to the requirements of properly submitting a Substitution Request for as Addressed in Article 3.10.4, Trade Contractor may, unless otherwise stated, offer any material, process, article, etc., which shall be materially equal or better in every respect to that so indicated or specified (“Specified Item”) and will completely accomplish the purpose of the Contract Documents.

3.10.3 Products Specified Which Are Commercially Unavailable

If the Trade Contractor fails to make a request for substitutions for products, prior to the submission of its bid, and such products subsequently become commercially unavailable, the Trade Contractor may request a substitution for such commercially unavailable item. The decision to grant this request is solely at the District’s discretion. The written approval of the District, consistent with the procedure for Change Orders, shall be required for the use of a proposed substitute material. The District may condition its approval of the substitution upon the delivery to District of an extended warranty or other assurances of adequate performance of the substitution as well as an equitable deduction in the Contract Price should the substituted item cost less than the Specified Item. All risks of delay due the approval of a requested substitution by the DSA, or any other governmental agency having jurisdiction, shall be on the requesting party. All additional costs, DSA review costs, all procurement and construction delays, and all costs for review by the Architect or its consultants shall be the responsibility of Trade Contractor under Article 4.5 and will be subject to a Deductive Change Order under Article 7.7.4.

3.10.4 Substitution Request Form

Requests for substitutions of products, materials, or processes in place of a Specified Item must be in writing on the District’s Substitution Request Form (“Request Form”) at the time of submitting bids to the District, except as provided for in Article 3.10.3.

The Request Form must be accompanied by evidence as to whether the proposed substitution:

- d. Is equal in quality/service/ability to the Specified Item;
- e. Will entail no changes in detail, construction, and scheduling of related work;

- f. Will be acceptable in consideration of the required design and artistic effect;
- g. Will provide no cost disadvantage to the District;
- h. Will require no excessive or more expensive maintenance, including adequacy and availability of replacement parts; and
- i. Will required no change of the construction schedule.

In completing the Request Form, the bidder must state, with respect to each requested substitution, whether the bidder will agree to provide the Specified Item in the event that the District denies the bidder's request for such requested substitution. In the event that the bidder has agreed in the Request Form to provide the Specified Item and the District denies the bidder's requested substitution for a Specified Item, the bidder shall provide the Specified Item without any additional cost or charge to the District.

After bids are opened, the apparent lowest bidder shall provide, within five (5) days of opening such bids, any and all Drawing, Specifications, samples, performance data, calculations, and other information, as may be required to assist the Design Team in determining whether the proposed substitution is acceptable. The burden of establishing these facts shall be upon the bidder.

After the District's receipt of such evidence by the bidder, the District will make its final decision as to whether the bidder's request for substitution for any Specified Items will be granted. The decision as to whether a proposed request for substitution is equal to a Specified Item shall be at the sole discretion of the District. Any request for substitution that is granted by the District shall be documented and processed through a Change Order. Trade Contractor must submit a complete Submittal of the requested substitution and a Shop Drawing showing configuration, dimensions, and other critical information associated with the substitution that meets the requirements of Article 3.9. The Design Team may condition its approval of any substitution upon delivery to the District of an extended warranty or other assurances of adequate performance of the substitution. Any and all risks of delay due to approval by the DSA or any other governmental agency having jurisdiction shall be on the bidder.

If the Design Team, as a whole, accepts a proposed substitution, Trade Contractor agrees to pay for all DSA review costs, engineering and design services, including, without limitation, compensation to the Architect and affected engineers for their required time to process such substitution through the DSA, if required, and to make all changes and adjustments in materials or the work of all trades directly or indirectly affected by the substituted item or items at no cost to the District.

3.10.5 Substitution Requests After Bid

The District, in its sole discretion, may accept a request for substitution by the Trade Contractor or may request Trade Contractor substitute a specified item. Any substitutions requested after bids are opened shall be subject to the same conditions and requirements set forth in Article 3.10.4 above. If any substitutions, that in the District or Design Team's determination, results in a credit to the District, the credit amount shall be agreed upon in writing, otherwise, the request for substitution shall be deemed denied.

3.11 INTEGRATION OF WORK

3.11.1 Scope

Trade Contractor shall be responsible for cutting, fitting, or patching to complete the Work and to make all parts fit together properly. Trade Contractor shall be responsible for ensuring that all trades are coordinated and scheduled so as to ensure the timely and proper execution of the work. When modifying existing work or installing new Work adjacent to existing work, Trade Contractor shall match, as closely as conditions of Site and materials will allow, the finishes, textures, and colors of the original work, refinishing existing work at no additional cost to District. All cost caused by defective or ill-timed work shall be borne by Trade Contractor. Trade Contractor shall be solely responsible for protecting existing work on adjacent properties and shall obtain all required permits for shoring and excavations near property lines.

3.11.2 Structural Members

New or existing structural members and elements, including reinforcing bars and seismic bracing, shall not be cut, bored, or drilled except by written authority of the Architect. Work done contrary to such authority is at Trade Contractor's risk and subject to replacement at its own expense without reimbursement under the Contract. Schedule delays resulting from Agency approvals for unauthorized work shall be Trade Contractor's responsibility.

3.11.3 Subsequent Removal

Permission to patch any areas or items of the Work shall not constitute a waiver of the Design Team's right to require complete removal and replacement of the areas of items of the Work if the patching does not satisfactorily restore quality and appearance of the Work or does not otherwise conform to the Contract Documents.

3.12 ALLOWANCES

3.12.1 Allowances are to be included in the base bid and listed separately in the Schedule of Values and Application for Payment.

3.12.2 100% of all unused Allowances are returned to the District upon issuance of Final Payment.

3.12.3 Trade Contractor shall submit a request for allowance disbursement with all substantiating and required data. Allowances shall be disbursed without Trade Contractor overhead and any other mark-ups.

3.12.4 Use of Allowances Only as Allowed by CM and District

The Use of allowances are only as specifically authorized by the CM and District and only for the specific area of Work noted and must be approved before allowances are disbursed.

3.13 CLEANING UP

3.13.1 Trade Contractor's Responsibility to Clean Up

Trade Contractor at all times shall keep premises free from debris such as waste, dust, excess water, storm water runoffs, rubbish, and excess materials and equipment. Trade Contractor shall not leave debris under, in, or about the premises, but shall promptly remove same from the premises and dispose of it in a lawful manner. Disposal receipts or dump tickets shall be furnished to the Architect within five (5) days of request.

Trade Contractor shall remove rubbish and debris resulting from the Work on a daily basis. Trade Contractor shall maintain the structures and Site in a clean and orderly condition at all times until acceptance of the Project by the District. Trade Contractor shall keep its access driveways and adjacent streets, sidewalks, gutters and drains free of rubbish, debris and excess water by cleaning and removal each day. All concrete, sidewalks, and paths of travel shall be broom cleaned daily.

3.13.2 General Final Clean-Up

Upon completion of Work, Trade Contractor shall employ experience workers or professional cleaners for final cleaning. Trade Contractor shall clean each surface to the condition expected in a normal, commercial, building cleaning and maintenance program including, but not limited to, the performance of the following:

- a. Clean interior and exterior of buildings, including fixtures, equipment, walls, floors, ceilings, roofs, window sills and ledges, horizontal projections, and any areas where debris has collected, so surfaces are free from foreign material or discoloration;
- b. Clean the Project site. The grounds should be cleared of any Trade Contractor equipment, raked clean of debris and trash removed. Sweep paved areas broom clean;
- c. Repair or replace any damaged materials. Replace any chipped or broken glass;
- d. Remove any and all stains;
- e. Remove labels that aren't permanent labels;
- f. Clean and polish all glass, plumbing fixtures, equipment, finish hardware and similar finish surfaces. Remove any glazing compounds;
- g. Remove temporary utilities, fencing, barricades, planking, sanitary facilities and similar temporary facilities from Site;
- h. Remove temporary film that remains on any hardware, doors or other surfaces; and

- i. Seal the bottom and tops of all doors.

3.13.3 Special Clean-Up.

In addition to the general cleaning, the following special cleaning shall be done at the completion of the Work in accordance with the Specifications including, but not limited to:

- a. Remove putty stains from glazing, then wash and polish glazing;
- b. Remove marks, stains, fingerprints and other soil or dirt from painted, stained or decorated work;
- c. Remove temporary protection and clean and polish floors and waxed surfaces;
- d. Clean and polish hardware and plumbing trim; remove stains, dust, dirt, plaster and paint;
- e. Wipe surfaces of mechanical and electrical equipment;
- f. Remove spots, soil, plaster and paint from tile work, and wash tile;
- g. Clean all fixtures and equipment, remove excess lubrication, clean light fixtures and lamps, polish metal surfaces;
- h. Vacuum-clean carpeted surfaces; and
- i. Remove debris from roofs, down spout and drainage system.

3.13.4 Failure to Cleanup

If the Trade Contractor fails to clean as provided in the Contract Documents, the District may do so and the cost thereof shall be the responsibility of the Trade Contractor pursuant to Article 2.2 and seek a Deductive Change Order.

3.14 ACCESS TO WORK

Trade Contractor shall provide the CM, District, the Architect, Engineers and the Inspector of Record, access to the Work in preparation and progress wherever located. Trade Contractor shall provide safe and proper facilities for such access so that District's representatives may perform their functions.

3.14.1 Special Inspections, Inspections or Tests Out of State, Out of Country or Remote from Project

If Trade Contractor has a Subcontractor or supplier that requires in plant or special inspections or inspections or tests that are out of the country, out of the state, or a distance of more than 200 miles from the Project site, the Special Inspector or Inspector shall be provided access so the special inspection or inspection may occur in the remote location. In some cases, the DSA Inspector may also require access in addition to Special Inspectors and individuals performing tests. Inspections/tests shall occur during normal work hours. (See also Article 4.3.6)

3.15 ROYALTIES AND PATENTS

3.15.1 Payment and Indemnity for Infringement

Trade Contractor shall hold and save the District and its officers, agents, and employees, the CM, the Architect, and the Architect's consultants harmless from liability of any nature or kind, including cost and expense, for or on account of any patented or unpatented invention, process, article, or appliance manufactured or used in the performance of the Contract, including its use by the District, unless otherwise specifically provided in the Contract Documents, and unless such liability arises from the sole negligence, or active negligence, or willful misconduct of the District, the Architect, or the Architect's consultants.

3.15.2 Review

The review by the Architect of any method of construction, invention, appliance, process, article, device, or material of any kind shall be for its adequacy for the Work and shall not be an approval for the use by Trade Contractor in violation of any patent or other rights of any person or entity.

3.16 INDEMNIFICATION

3.16.1 Trade Contractor

See Agreement Form. Trade Contractor shall ensure that its contract with each of its Subcontractors contains provisions requiring the Subcontractors to defend, indemnify and hold harmless the District, Architect, Inspector, the State of California to a minimum level as set forth in this Article and consistent with the indemnity and hold harmless language in the Agreement Form.

Trade Contractor's and Subcontractors' obligation to defend, indemnify and hold harmless the District, Architect, CM, Inspector, the State of California and their officers, employees, agents and independent contractors hereunder shall include, without limitation, any and all claims, damages, and costs for the following: (1) any damages or injury to or death of any person, and damage or injury to, loss (including theft), or loss of use of, any property; (2) breach of any warranty, express or implied; (3) failure of Trade Contractor or Subcontractors to comply with any applicable governmental law, rule, regulation, or other requirement; (4) products installed in or used in connection with the Work; and (5) any claims of violation of the Americans with Disabilities Act ("ADA").

3.17 SUBMISSION OF DAILY REPORTS

3.17.1 General

By 10:00 a.m. on the following business day, Trade Contractor shall submit a Daily Report to the Inspector and copy the Architect for the previous day's Work. The original Daily Report is to be provided to the CM and copies sent to the Architect and the Inspector. Daily Reports shall be prepared on forms approved by the District, together with applicable delivery tickets, listing all labor, materials, and equipment involved for that day. The District reserves the right to note inconsistencies or inaccuracies in the Daily Reports. In such cases, pertinent notes shall be entered by each party to explain points which cannot be resolved that day. Each party shall retain a signed copy of the report. Reports by Subcontractors or others shall be submitted through the Trade Contractor.

3.17.2 Labor

The Daily Report shall show names of workers, classifications, hours worked and hourly rate. The locations where work occurred shall also be identified in the Daily Report. Project superintendent expenses are not allowed.

3.17.3 Materials

The Daily Report shall describe and list quantities of materials used and unit costs.

3.17.4 Equipment

The Daily Report required by Article 3.16.1 shall show type of equipment, size, identification number, and hours of operation, including loading and transportation, if applicable, and hourly/daily cost. Move-on and move-off fees shall be noted.

3.17.5 Other Services and Expenditures

Other services and expenditures shall be described in the Daily Report in detail as the District requires.

3.17.6 Failure to Submit Daily Report

If Trade Contractor does not submit its Daily Report by 10 am the next business day, the Inspector of Record shall prepare a Daily Report addressing each of the above items. The cost for the Inspector's services to prepare the Daily Report shall be addressed through a Deductive Change Order under Article 7.7.4

3.18 AS-BUILT DRAWINGS AND ANNOTATED SPECIFICATIONS

Throughout the duration of the Project, Trade Contractor shall maintain on a current basis an accurate and complete set of As-Built Drawings (and Annotated Specifications) clearly showing all changes, revisions to Specifications and substitutions during construction, including, without limitation, field changes and the final location of all electrical and mechanical equipment, utility lines, ducts, outlets, structural members, walls, partitions, and other significant features. In case a Specification allows Trade Contractor to elect one of several brands, makes, or types of material or equipment, the annotations shall show which of the allowable items the Trade Contractor has furnished. Trade Contractor will update the As-Built Drawings and Annotated Specifications as often as necessary to keep them current, but no less often than weekly.

Trade Contractor shall update As-Built Drawings with complete information on an area of Work at or near the time when the Work is being performed and prior to any DSA 152 sign off and prior to any Work being covered.

The As-Built Drawings and Annotated Specifications shall be kept at the Site and available for review and inspection by the District and the Architect. Failure to maintain and update the As-Built Drawings is a basis to withhold Progress Payments pursuant to Article 9.6.

3.18.1 Upon Beneficial Occupancy

Trade Contractor shall obtain and pay for reproducible Plans upon Beneficial Occupancy. Trade Contractor shall deliver Plans to CM.

3.18.2 As-Builts at Completion of Work

Upon completion of the Work and prior to and as a condition precedent to Application for Retention Payment, Trade Contractor will provide one neatly prepared and complete set of As-Built Drawings and Annotated Specifications to the District. Trade Contractor shall certify the As-Builts as a complete and accurate reflection of the actual construction conditions of the Work by affixing a stamp indicating the Drawings are As-Builts and certifying accuracy on the final set of As-Builts. Failure to deliver a complete As-Built Drawings and Annotated Specifications may result in significant withholdings to ensure Work is properly documented. (See Article 9.9.1)

3.18.3 Log of Control and Survey Documentation

Trade Contractor shall complete and maintain an accurate log or all control and survey documentation for the Project as the Work progresses. All reference and control points shall be recorded on the As-Built Drawings. The basis of elevations shall be one of the established benchmarks that must be maintained on the As-Builts.

3.18.4 Record Coordinates for Key Items

Trade Contractor shall record, by coordinates, all utilities on-site with top of pipe elevations, major grade and alignment changes, rim, grate or top of curb and flow line elevations of all drainage structures and sewer manholes. Trade Contractor shall update record information at or near the time when work is occurring in an area and prior to DSA 152 sign off on any category of Work and prior to covering the Work.

3.18.5 BIM As-Built Drawings

If BIM is utilized for the Project, then an electronic version of such As-Built Drawings and Annotated Specifications will be delivered to District (in an acceptable format to District).

3.19 EQUIPMENT MANUALS

Trade Contractor shall obtain and furnish three (3) complete sets of manuals containing the manufacturers' instructions for maintenance and operation of each item of equipment and apparatus furnished under the Contract Documents and any additional data specifically requested under the various sections of the Specifications for each division of the Work. The manuals shall be arranged in logical, sequential order, labeled, indexed, and placed in three-ring binders. At the completion of its Work, the Trade Contractor shall certify, by endorsement thereon, that each of the manuals is complete, accurate, and covers all of its Work. Prior to submittal of Trade Contractor's Application for Retention Payment, and as a further condition to its approval by the Architect, each Trade Contractor shall deliver the manuals, arranged in logical, sequential order, labeled, indexed, endorsed, and placed in three-ring binders, to CM, who will review these manuals with Architect for all divisions of the Work for completeness, and submit them to the District.

3.20 DIR REGISTRATION

Strict compliance with all DIR registration requirements in accordance with Labor Code sections 1725.5 and 1771.1 is a material obligation of the Trade Contractor and all of its subcontractors (of any tier) under the Contract Documents. The foregoing includes, without limitation, compliance with DIR registration requirements at all times during performance of the Work by the Trade Contractor and all of its subcontractors of any tier. The failure of the Trade Contractor and all subcontractors of any tier to be properly registered with DIR at all times during performance of the Work is a material breach of the Contract and subject to termination for cause.

An affirmative and ongoing obligation of the Trade Contractor under the Contract Documents is the verification that all subcontractors of any tier are at all times during performance of the Work are in full and strict compliance with the DIR registration requirements. The Trade Contractor shall not permit or allow any subcontractor of any tier to perform any Work without the Trade Contractor's verification that all subcontractors are in full and strict compliance with the DIR registration requirements. Any subcontractors of any tier not properly registered with DIR shall be substituted in accordance with Labor Code section 1771.1. Trade Contractor or its subcontractors of any tier shall not be entitled to any additional costs or time arising from or in any way related to compliance with the DIR registration requirements.

ARTICLE 4
ADMINISTRATION OF THE CONTRACT AND CLAIMS

4.1 ARCHITECT

4.1.1 Replacement of Architect

In the case of the termination of the Architect, the District may appoint an Architect or another construction professional or may perform such functions with its own licensed professional personnel. The status of the replacement Architect under the Contract Documents shall be the same as that of the former Architect.

4.2 ARCHITECT'S ADMINISTRATION OF THE CONTRACT

4.2.1 Status

Pursuant to Titles 24 of the California Code of Regulations and as required pursuant to the Field Act, Education Code 17280 et seq., the Architect will provide administration of the Contract Documents and the Work, and will be the District's representative during construction, as well as during the one (1) year period following the commencement of any warranties. The Architect will have authority to act on behalf of the District only to the extent provided in the Contract Documents.

4.2.2 Site Visits

The Architect will visit the Site at intervals necessary in the judgment of the Architect to become generally familiar with the progress and quality of the Work and to determine in general if the Work is being performed in accordance with the Contract Documents and as otherwise required by DSA.

4.2.3 Limitations of Construction Responsibility

The Design Team shall not have control over, charge of, or be responsible for construction means, methods, techniques, schedules, sequences or procedures, fabrication, procurement, shipment, delivery, receipt, installation, or for safety precautions and programs in connection with the Work, since these are solely the Trade Contractor's responsibility under the Contract Documents. The Design Team shall not be responsible for Trade Contractor's, Trade Contractor's Subcontractors', material or equipment suppliers', or any other person's schedules or failure to carry out the Work in accordance with the Contract Documents. The Design Team shall not have control over or charge of acts or omissions of Trade Contractor, Trade Contractor's Subcontractors, their agents or employees, or any other persons or entities performing or supplying portions of the Work. Trade Contractor shall not be relieved of obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Design Team in the Design Team's administration of the Contract Documents, or by tests, inspections, or approvals required or performed by persons other than Trade Contractor.

4.2.4 Communications Facilitating Contract Administration

All communication shall be through the CM (unless otherwise directed) with copies to the District, Architect and Inspector. Where direct communication is necessary between the District and Trade Contractor, the District's communication shall be through the District's Representative and/or the CM. Trade Contractor shall not rely upon any communications from the District that is not from the District's

Representative. Communications by and with the Architect's consultants shall be through the CM and through Architect. Communications by and with Trade Contractor's Subcontractors and material or equipment suppliers shall be through Trade Contractor. The CM shall be the main point of contact for communication of information. Copies should be sent to the Architect, District Representative and Inspector.

4.2.5 Payment Applications

The Architect will review and make recommendations to the District regarding the amounts due Trade Contractor on the Certificates for Payment pursuant to Article 9.3.4 and subject to the Inspector's and CM's review, and Architect's observation. This review of Payment Applications is sometimes called a "Pencil Draft." Return of a Pencil Draft shall constitute the District's dispute of the Payment Application that has been submitted. Trade Contractor shall promptly respond to Pencil Drafts or Trade Contractor's Payment Applications may be delayed. Trade Contractor's failure to promptly respond to a Pencil Draft shall qualify as a delay in the Prompt Payment of a Request for Payment or Request for Retention.

4.2.6 Rejection of Work

In addition to the rights, duties, and obligations of the Inspector under this Article, the Design Team may reject Work which does not conform to the Contract Documents. Whenever the Architect considers it necessary or advisable to achieve the intent of the Contract Documents, the Architect (and/or CM) may recommend to the District that the District require additional inspection or testing of the Work in accordance with Article 13.5, whether or not such Work is Fabricated, installed, or completed. District may have Non-conforming Work removed and replaced pursuant to Article 9.7. However, neither this authority of the Architect (or CM) nor a decision made in good faith either to exercise or not to exercise such authority shall create a duty or responsibility of the Architect (or CM) to Trade Contractor, Subcontractors, material and equipment suppliers, their agents or employees, or other persons performing portions of the Work.

Trade Contractor shall, without charge, replace or correct Work found by the District to not be in conformance to Contract requirements. Trade Contractor shall promptly segregate and remove rejected materials from the Project site.

This section is in addition to and separate from the legal duties associated with a Notice of Non-Compliance and the remedies associated with a Notice of Non-Compliance which are addressed at Article 7.1.2.

4.2.7 Warranties upon Completion

The Architect (and where applicable CM), in conjunction with the Inspector will conduct field reviews of the Work to determine the date of Substantial Completion and of Final Completion, shall receive and forward to the District for the District's review written warranties and related documents required by the Contract and assembled by Trade Contractor, and will issue a final Certificate for Payment when the Architect believes the Work has been completed in compliance with the requirements of the Contract Documents (See Article 9.11 for Close-Out). The handling by the Architect (or where applicable CM) of such warranties, maintenance manuals, or similar documents shall not diminish or transfer to the Architect any responsibilities or liabilities required by the Contract Documents of the Trade Contractor or other entities, parties, or persons performing or supplying the Work.

On some Projects, the District will take a phased occupancy of the Project. In those cases, the District may commence the running of warranties on the buildings, or phases that are accepted after Punch List is completed and the District has accepted Completion of the separate phase. A separate Notice of Completion may be filed for the separate building or phase of work and warranties shall commence for the separate phase only to the extent that warranties do not require coordination or connection to other buildings or other parts of the site and only if the warranted item is completed to its entirety in the segregated building or phased area.

If written warranties are not provided at the time the Punch List is nearing completion, Architect (with recommendations from the CM and Inspector) shall determine the dollar value of the warranties and shall make recommendation for withholdings necessary to effectuate the transfer of such warranties to the District for future use as part of the Punch List for the Project pursuant to Article 9.6.

Warranties are not commenced through utilizing of equipment for testing and operation as necessary to acclimate buildings or where necessary to test systems.

4.2.8 Interpretation

The Architect will interpret and decide matters concerning performance and requirements of the Contract Documents. Architect shall make clarifications as necessary to interpret the Contract Documents.

4.3 **PROJECT INSPECTOR**

4.3.1 General

One or more Project Inspectors employed by the District and approved by the Division of the State Architect will be assigned to the Work in accordance with the requirements of Title 24 of the California Code of Regulations. The Inspector(s) duties are as specifically defined in Title 24 Section 4-333 and 4-342 and in DSA IR A-8.

4.3.2 Inspector's Duties and DSA Noted Timelines for Inspection

All Work shall be under the observation of the Inspector. Trade Contractor, with the assistance of the CM, shall establish a protocol for requesting inspection with Inspector so as to not delay the Work and provide adequate time for the Inspector to perform inspection. This protocol is to be established as part of the Initial Trade Contactor Coordination Meetings. If such a protocol is not established ahead of time, Inspector may utilize the time criteria set by Title 24 of 48 hours in advance of submitting form DSA 156 for each new area. The Inspector shall have free access to any or all parts of the Work at any time. Trade Contractor shall furnish the Inspector such information as may be necessary to keep the Inspector fully informed regarding progress and manner of Work and character of materials. Such observations shall not, in any way, relieve Trade Contractor from responsibility for full compliance with all terms and conditions of the Contract, or be construed to lessen to any degree the Trade Contractor's responsibility for providing efficient and capable superintendence. The Inspector is not authorized to make changes in the Drawings or Specifications nor shall the Inspector's approval of the Work and methods relieve Trade Contractor of responsibility for the correction of subsequently discovered defects, or from its obligation to comply with the Contract Documents.

Inspector shall electronically post DSA required documents on the DSA electronic posting website. It is Trade Contractor's responsibility to determine the status of posting and determine if all the criteria for sign off of a category of Work on the Project Inspection Card (Form DSA 152) as defined more thoroughly in the most current version of the DSA 152 manual posted on the DSA website.

Inspector may collaborate with Trade Contractor about approval of areas that may be constructed and approved incrementally under the DSA 152 card pursuant to the guidelines of PR-13 at Article 1.17. Inspector shall work with Trade Contractor to present incremental approval proposals to DSA.

4.3.3 Inspector's Authority to Reject or Stop Work

The Inspector shall have the authority to reject Work whenever provisions of the Contract Documents are not being complied with, and Trade Contractor shall instruct its Subcontractors and employees accordingly. In addition, the Inspector may stop any Work that poses a probable risk of harm to persons or property. Trade Contractor shall instruct its employees, Subcontractors, material and equipment suppliers, etc., accordingly. The absence of any Stop Work Order or rejection of any portion of the Work shall not relieve the Trade Contractor from any of its obligations pursuant to the Contract Documents.

4.3.4 Inspector's Facilities

If required under Trade Contractor's scope and bid package, within seven (7) days after the notice to proceed, the Trade Contractor shall provide the Inspector with the temporary facilities as required. More specific requirements for the Inspector facilities may be further described under Division 1 of the Specifications.

4.3.5 Testing Times

The District will provide inspection and testing at its cost during the normal eight (8) hour day Monday through Friday (except holidays). Work by Trade Contractor outside of the normal eight (8) hour day shall constitute an authorization from Trade Contractor to the District to provide inspection and testing as required outside of the normal eight (8) hour day. Trade Contractor shall provide adequate time for inspections so as to not delay the Work. An advanced timing protocol may be established pursuant to Article 4.3.2. If the Trade Contractor is behind Schedule then it is incumbent on the Trade Contractor to provide advance forecast through look ahead of the anticipated date for inspection so the Inspector may plan their activities so as to not delay the Project. Trade Contractor shall reimburse District for any additional costs associated with inspection and testing (including re-inspection and re-testing) outside the normal eight-hour day and for any retests caused by the Trade Contractor.

It is Trade Contractor's responsibility to request special inspections with sufficient time so all testing may be timely completed and posted so work may proceed and the Inspector's signature is attached to the Project Inspection Card (Form 152). Specifically, timely request for special inspection under the DSA Verified Report Forms 291 (laboratory), DSA Verified Report Form 292 (Special Inspection), and DSA Verified Report 293 (geotechnical) since DSA requirements under PR 13-01 specifically gives the Special Inspections 14 days to post to the DSA website. Failure to plan and pay (if applicable) for quicker delivery of Special Inspections may be counted as Float, but is not considered Governmental Delay Float under Article 8.1.4.

4.3.6 Special Inspections, Inspections or Tests Out of State, Out of Country or Remote from Project

If Trade Contractor has a Subcontractor or supplier that requires in plant or special inspections or inspections or tests that are out of the country, out of the state or a distance of more than 200 miles from the Project Site, the District shall provide the Special Inspector, Inspector or individual performing tests time for inspection and testing during normal work hours. Trade Contractor, however, is responsible for the cost of travel, housing, food, out of area premiums that may be in the Inspector/Testing Agreement with District, or other expenses necessary to ensure proper inspection, special inspection or testing is provided by a DSA Certified Inspector, Special Inspector, or individual performing tests. In some cases all three (DSA Inspector, Special Inspector, and Tester) may be required. In addition, if the DSA Certified Inspector, Special Inspector, or individual performing test has contractual travel clauses or special rates for out of town inspection, Trade Contractor is responsible for all costs associated with the contractual travel costs in addition to all other costs. Arrangements for inspection and/or testing shall be made far enough in advance so as to not delay the Work.

4.4 STOP WORK ORDER

DSA may issue a Stop Work Order, or an Order to Comply, when either (1) the Work proceeds without DSA approval; (2) the Work proceeds without a DSA Inspector of Record, or (3) where DSA determines that the Work is not being performed in accordance with applicable rules and regulations, and would compromise the structural integrity of the Project or would endanger lives. If a Stop Work Order is issued, the Work in the affected area shall cease until DSA withdraws the Stop Work Order. Pursuant to Education Code Section 17307.5(b) and Education Code Section 81133.5, the District shall not be held liable in any action filed against the District for any delays caused by compliance with the Stop Work Order, except to the extent that an error or omission by the District is the basis for the issuance of the Stop Work Order.

Examples of Stop Work Orders that may be issued by DSA include DSA Bulletin 07-04 and Policy 10-01, the installation of automatic fire sprinkler systems without approved Plans, covering Work that has not been approved by Inspector on DSA Project Inspection Card (Form 152).

4.5 RESPONSIBILITY FOR ADDITIONAL CHARGES INCURRED BY THE DISTRICT FOR PROFESSIONAL SERVICES

If at any time prior to the completion of the requirements under the Contract Documents, the District is required to provide or secure additional professional services (including CM, Inspection, Architect, Engineering and Special Consultant Services) for any reason by any act of the Trade Contractor, the District may seek a Deductive Change Order for any costs incurred for any such additional services, which costs shall be deducted from the next progress payment. A Deductive Change Order shall be independent from any other District remedies and shall not be considered a waiver of any District rights or remedies. If payments then or thereafter due to the Trade Contractor are not sufficient to cover such amounts, the Trade Contractor shall pay the difference to the District. Additional services shall include, but shall not be limited to, the following:

- a. Services made necessary by the default of the Trade Contractor (Article 14 or Article 2.2).
- b. Services made necessary due to the defects or deficiencies in the Work of the Trade Contractor (Article 2.2 and Article 9.6).

- c. Spurious or frivolous RFI's issued that do not conform to the requirements of Article 7.4. Issuance of the same RFI after receiving an answer from the Architect or Engineer
- d. Review of Schedules that are provided by Trade Contractor that do not Conform with the Requirements of Article 8.
- e. Preparation of a CCD or ICD to correct a Trade Contractor Deficiency, or Trade Contractor Caused Notice of Non-Compliance (Article 7.3).
- f. Review of Incomplete Shop Drawings or Submittals, including the submission of Piecemeal Shop Drawings or Submittals unless piecemeal Submittals are specifically agreed upon by District (See Article 3.9)
- g. Services required by failure of the Trade Contractor to perform according to any provision of the Contract Documents.
- h. Services in connection with evaluating substitutions of products, materials, equipment, Subcontractors' proposed by the Trade Contractor, and making subsequent revisions to Drawings, Specifications, obtaining DSA approvals, DSA costs for review of CCD's, other governmental agency review costs, and providing other documentation required (except for the situation where the specified item is no longer manufactured or available). (See Article 3.10)
- i. Services for evaluating and processing Claims or Disputes submitted by the Trade Contractor in connection with the Work outside the established Change Order process.
- j. Services required by the failure of the Trade Contractor to prosecute the Work in a timely manner in compliance within the specified time of completion.
- k. Services in conjunction with the testing, adjusting, balancing and start-up of equipment other than the normal amount customarily associated for the type of Work involved.
- l. Services in conjunction with more than one (1) re-review of Submittals of Shop Drawings, Product Data, samples, RFI's etc.

4.6 DISPUTES AND CLAIMS

4.6.1 Decision of Architect

“Disputes” or “Claims” as defined in Article 4.6.9.1 between District and Trade Contractor involving money or time, including those alleging an error or omission by the Architect shall be referred initially to the Architect for action as provided in Article 4.6.2 within ten (10) days after Trade Contractor's Article 7 request for Change is denied. The CM shall receive the Dispute and may review and also assemble opinions and documents to assist the Architect. A decision by the Architect, as provided in Article 4.6.5, shall be required as a condition precedent to proceeding with remedies set forth in Article 4.6.9 as to all such matters arising prior to the date Retention Payment Application is due, regardless of whether such matters relate to execution and progress of the Work, or the extent to which the Work has reached Final Completion.

The condition precedent of an Architect decision shall be waived if: (1) the position of Architect is vacant; (2) the Architect has failed to take action required under Article 4.6.5 within the time periods required therein; or (3) the Dispute or Claim relates to a stop notice claim not arising from any extra Change Order or Immediate Change Directive for which approval has not been provided.

4.6.2 Architect's Review

The Architect (and CM) will review the Dispute and take one or more of the following preliminary actions upon receipt of a Dispute: (1) request additional supporting data from the claimant; (2) submit a schedule to the parties indicating when the Architect expects to take action; (3) reject the Dispute in whole or in part, stating reasons for rejection; (4) recommend approval of the Dispute; or (5) suggest a compromise. The Architect may also, but is not obligated to, notify the Surety, if any, of the nature and amount of the Dispute.

4.6.2.1 *Architectural Immunity.* Architect review of Disputes and Claims shall be impartial and meant to resolve Disputes and Claims. Pursuant to the case, Huber, Hunt & Nichols, Inc. v. Moore (1977) 67 Cal.App.3d 278, the Architect is provided a quasi-judicial immunity for interpreting and deciding Disputes and Claims between the District and Trade Contractor.

4.6.3 Documentation if Resolved

If a Dispute has been resolved, the Architect (and/or CM) will prepare a Change Order or obtain appropriate documentation to document the terms for Board approval.

4.6.4 Actions if Not Resolved

If a Dispute has not been resolved and all documentation requested pursuant to Article 4.6.2 has been provided, the Trade Contractor shall, within ten (10) days after the Architect's initial response, assemble all the documents involved in the Dispute including copies of all back-up documentation of costs and the basis for the Dispute and take one or more of the following actions: (1) modify the initial Dispute; (2) notify the Architect that the initial Dispute stands; or (3) supplement with additional supporting data and re-submit to the Architect under Article 4.6.2.

4.6.5 Architect's Written Decision

If a Dispute has not been resolved after consideration of the foregoing and of other evidence presented by the parties or requested by the Architect, the Architect (or Architect through CM) the Architect shall provide a written decision twenty (20) days after compliance with Article 4.6.4. Upon expiration of such time period, the Architect (or Architect through CM) will render to the parties its written decision relative to the Dispute, including any change in the Contract Sum or Contract Time or both. The Architect may also request reasonable additional time to complete Architect's written decision.

If the resolution of the Dispute by the Architect is not satisfactory to the Trade Contractor and copies of all back-up documentation of costs and the basis for the Dispute is fully articulated in a package of material that is complete, the Trade Contractor may then submit a Claim to the District under Article 4.6.9

4.6.6 Continuing Contract Performance

Pending final resolution of a Dispute or Claim, including, negotiation, mediation, arbitration, or litigation, the Trade Contractor shall proceed diligently with performance of the Contract, and the District shall continue to make any undisputed payments in accordance with the Contract (less any withholdings or offsets). If the Claim is not resolved, Trade Contractor agrees it will neither rescind the Contract nor stop the progress of the work, but Trade Contractor's sole remedy shall be to submit such controversy to determination by a court of competent jurisdiction in the county where the Project is located, after the Project has been completed, and not before.

4.6.6.1 *District's Option to Submit Individual Disputes to Arbitration during Claims and Disputes Process.* At the District's sole option, in order to more efficiently resolve Claims during the Project and prior to the completion of the Claims Process, pursuant to Government Code Section 9201, the District may submit individual Disputes or Claims for binding arbitration and Trade Contractor agrees to the resolution of for each individual Dispute or Claim by an Arbitrator, including resolution of time and delays. If binding arbitration is utilized for individual Disputes or Claims, such resolution is full and final as to that particular Dispute or Claim. THIS INDIVIDUAL DISPUTE ARBITRATION PROCESS IS NOT AN ARBITRATION CLAUSE AND SHALL NOT BE CONSTRUED AS AN AGREEMENT TO ARBITRATE. THIS INDIVIDUAL DISPUTES ARBITRATION PROCESS IS FOR THE SOLE PURPOSE OF STREAMLINING AND RESOLVING DISPUTES OR CLAIMS DURING CONSTRUCTION AND SHALL BE REQUESTED ON SPECIFIC INDIVIDUAL ITEMS BY THE DISTRICT PRIOR TO RETENTION PAYMENT (EVEN IF THERE ARE DEDUCTIONS MADE FROM RETENTION PAYMENT) WHICH REPRESENTS THE FINAL COMPLETION OF THE PROJECT.

- a. If there is no Retention remaining on the Project, individual Disputes initiated prior to Project Final Completion shall continue until a final disposition of the Arbitration or resolution of the individual Claim or Dispute.
- b. No Tolling. The Arbitration process shall not toll the Disputes or Claims process under Article 4.6 or the requirement to submit Claims to Court under Article 4.6.9.4.

4.6.7 Claims for Concealed Trenches or Excavations Greater Than Four Feet Below the Surface

When any excavation or trenching extends greater than four feet below the surface or if any condition involving hazardous substances are encountered:

- a. Immediately upon discovery, Trade Contractor shall promptly, and before the following conditions are disturbed, notify the District, by telephone and in writing, of the condition except:
 1. If such condition is a hazardous waste condition, Trade Contractor's bid includes removal or disposal of hazardous substances. Material that the Trade Contractor believes may be a material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, is required to be removed to a Class I, Class II, or Class III disposal site in accordance with

the provisions of existing law. In such case, the notice bulletin procedures of Article 7 apply.

2. Subsurface or latent physical conditions at the Site differing from those indicated in the Drawings, Specifications, Soils Report, and from Trade Contractor's own investigation under Article 2.1.
 3. Unknown physical conditions at the Site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in Work of the character provided for in the Contract.
- b. The District shall investigate the conditions, and if District finds that the conditions do materially so differ, do involve hazardous waste, and cause a decrease or increase in Trade Contractor's cost of, or the time required for, performance of any part of the Work shall issue a Change Order or Construction Change Document under the procedures described in the Contract.
- c. In the event that a dispute arises between the public entity or District and Trade Contractor whether the conditions materially differ, involve hazardous waste, or cause a decrease or increase in Trade Contractor's cost of, or time required for, performance of any part of the Work, Trade Contractor shall not be excused from any scheduled Completion Date provided for by the Contract, but shall proceed with all Work to be performed under the Contract. Trade Contractor shall retain any and all rights provided either by Contract or by law which pertain to the resolution of disputes and protests between the contracting parties.

4.6.8 Dispute Concerning Extension of Time.

If Trade Contractor and District cannot agree upon an extension of time, whether compensable or not, then Trade Contractor must have first completed the procedures set forth in Article 8.4. Upon completion of the procedures set forth under Article 8.4, Trade Contractor must then comply with the requirements in this Article including those set forth under Article 4.6.9.

4.6.9 Claims Procedures

Pursuant to the remedies under Public Contract Code Section 9201 and Government Code Section 930.2, Trade Contractor, through execution of this Agreement, also agrees to comply with the Claims requirements of Article 4.6 to quickly and efficiently resolve disputes. Further, to provide a level of accuracy to the records submitted, the District shall have the right to audit books and records pursuant to Article 13.11 based on the actual costs incurred and to reduce the uncertainty in resolving disputes with limited information.

4.6.9.1 *Procedure Applicable to All Claims*

- a. Definition of Claim: A "Claim" is where a Dispute between the parties rises to the level where backup documentation is assembled and provided to the District as a separate demand by Trade Contractor for: (1) a time extension, including, without limitation, for relief from damages or penalties for delay assessed by the District under the Contract; (2) payment

by the District of money or damages arising from Work done by or on behalf of Trade Contractor pursuant to the Contract and payment for which is not otherwise expressly provided for or to which the Trade Contractor is not otherwise entitled to; or (3) an amount of payment disputed by the District. If the Claim is for damages associated with a DSA Stop Work Order, Trade Contractor shall not be entitled to a request for Compensation, but shall be entitled to utilize Governmental Delay Float (See Article 8.1.5.1.)

- b. Filing Claim Is Not Basis to Discontinue Work: Trade Contractor shall promptly comply with Work under the Contract or Work requested by the District even though a written Claim has been filed. Trade Contractor and the District shall make good faith efforts to resolve any and all Claims that may arise during the performance of the Work covered by this Contract.
- c. Claim Notification: Trade Contractor shall within seven (7) calendar days after the written decision of the Architect, or if the time period for Architect's decision has passed under Article 4.6.1, submit a notification in writing sent by registered mail or certified mail with return receipt requested, with the District (and the District's CM) stating clearly the basis for the Claim and including all relevant and required documents. If the notification is not submitted within seven (7) days after the written decision of the Architect or the passage of time under Article 4.6.1, Trade Contractor shall be deemed to have waived all right to assert the Claim, and the Claim shall be denied. Claims submitted after the Retention Payment date shall also be considered null and void by the District. All Claims shall be reviewed pursuant to Article 4.6.1 through 4.6.5.

The Formal Notification of Claim must be presented as follows:

- (1) The term "Claim" must be at the top of the page in no smaller than 20 point writing.
 - (2) All documentation submitted pursuant to Article 4.6 to the Architect shall be submitted with the "Claim."
 - (3) A stack of documents, copy of all Project documents, or the submission of random documents shall not constitute an adequate reference to supporting documentation.
 - (4) Any additional or supporting documentation that Trade Contractor believes is relevant should be submitted at this time.
- d. Reasonable Documents to Support Claim: The Trade Contractor shall furnish reasonable documentation to support the Claim. Trade Contractor shall provide all written detailed documentation which supports the Claim, including but not limited to: arguments, justifications, cost, estimates, Schedule analysis and detailed documentation. The format of the required

reasonable documentation to support the Claim shall include, without limitation:

1. Cover letter.
2. Summary of factual basis of Claim and amount of Claim.
3. Summary of the basis of the Claim, including the specific clause and section under the Contract under which the Claim is made.
4. Documents relating to the Claim, including:
 - a. Specifications sections in question.
 - b. Relevant portions of the Drawings
 - c. Applicable Clarifications (RFI's)
 - d. Other relevant information, including responses that were received.
 - e. Trade Contractor Analysis of Claim merit.
 - (a) Trade Contractor's analysis of any Subcontractor vendor Claims that are being passed through.
 - (b) Any analysis performed by outside consultants
 - (c) Any legal analysis that Trade Contractor deems relevant
 - f. Break down of all costs associated with the Claim.
 - g. For Claims relating to time extensions, an analysis and supporting documentation evidencing any effect upon the critical path in conformance with the requirements of Article 8.4 chronology of events and related correspondence.
 - i. Applicable Daily Reports and logs.
 - (a) If the Daily Reports or Logs are not available, lost or destroyed, there shall be a presumption that the lost documentation was unfavorable to Trade Contractor. See California Civil Jury Instruction 204.
 - j. For Claims involving overhead, cost escalation, acceleration, disruption or increased costs, a full version of job costs reports organized by category of work or Schedule of Values with budget information tracked against actual costs. Any and all supporting back-up data, including the original bid (and associated original unaltered metadata).
 - (a) The metadata and bid information shall be provided confidentially and subject to a protective order to prevent dissemination to other contractors or to the public. However, the bid documentation should remain intact and available for review and inspection in case of this type of increased cost Claim.

- (b) This data on the bid shall be made available to any District attorneys or experts and shall also be utilized as evidence for any legal proceedings.
 - (c) If the bid documentation is not available, lost or destroyed, there shall be a presumption that the lost bid documentation was unfavorable to Trade Contractor. See California Civil Jury Instruction 204.
- e. Certification: Trade Contractor (and Subcontractors, if applicable) shall submit with the Claim a certification under penalty of perjury:
 - 1. That Trade Contractor has reviewed the Claim and that such Claim is made in good faith;
 - 2. Supporting data are accurate and complete to the best of Trade Contractor's knowledge and belief;
 - 3. The amount requested accurately reflects the amount of compensation for which Trade Contractor believes the District is liable.
 - 4. That Trade Contractor is familiar with Government Code Sections 12650 et seq. and Penal Code Section 72 and that false claims can lead to substantial fines and/or imprisonment.
- f. Signature of Certification: If Trade Contractor is not an individual, the certification shall be executed by an officer or general partner of Trade Contractor having overall responsibility for the conduct of Trade Contractor's affairs.
- g. Upon receipt of a Claim and all supporting documents as required above, the District shall conduct a reasonable review of the Claim and, within a period not to exceed 45 days, shall provide the Trade Contractor a written statement identifying what portion of the Claim is disputed and what portion is undisputed. Upon receipt of a Claim, the District and Trade Contractor may, by mutual agreement, extend the time period provided in this paragraph.
- h. If the District needs approval from its governing Board to provide the Trade Contractor a written statement identifying the disputed portion and the undisputed portion of the Claim, and the governing Board does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a Claim sent by registered mail or certified mail, return receipt requested, the District shall have up to three days following the next duly publicly noticed meeting of the governing Board after the 45-day period, or extension, expires to provide the Trade Contractor a written statement identifying the disputed portion and the undisputed portion.

- i. Any payment due on an undisputed portion of the Claim shall be processed and made within 60 days after the District issues its written statement. If the District fails to issue a written statement, paragraph o below shall apply.
- j. If the Trade Contractor disputes the District's written response, or if the District fails to respond to a Claim issued pursuant to this Article 4.6.9 within the time prescribed, the Trade Contractor may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the District shall schedule a meet and confer conference within 30 days for settlement of the Claim.
- k. Within 10 business days following the conclusion of the meet and confer conference, if the Claim or any portion of the Claim remains in dispute, the District shall provide the Trade Contractor a written statement identifying the portion of the Claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the Claim shall be processed and made within 60 days after the District issues its written statement. Any disputed portion of the Claim, as identified by the Trade Contractor in writing, shall be submitted to nonbinding mediation, with the District and the Trade Contractor sharing the associated costs equally. The District and Trade Contractor shall mutually agree to a mediator within 10 business days after the disputed portion of the Claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the Claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is unsuccessful, the parts of the Claim remaining in dispute shall be subject to applicable procedures in Article 4.6.9.4.
- l. For purposes of this Article 4.6.9, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.
- m. Unless otherwise agreed to by the District and the Trade Contractor in writing, the mediation conducted pursuant to this Article 4.6.9 shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.
- n. This Claims process does not preclude the District from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this Article 4.6.9 does not resolve the parties' Claim. This Claims process does not preclude the

District from submitting individual Disputes or Claims to binding arbitration pursuant to Article 4.6.9.3 below.

- o. Failure by the District to respond to a Claim from the Trade Contractor within the time periods described in this subdivision or to otherwise meet the time requirements of this Article 4.6.9 shall result in the Claim being deemed rejected in its entirety. A Claim that is denied by reason of the District's failure to have responded to a Claim, or its failure to otherwise meet the time requirements of this Article 4.6.9, shall not constitute an adverse finding with regard to the merits of the Claim or the responsibility or qualifications of the Trade Contractor.
- p. If a subcontractor or a lower tier subcontractor lacks legal standing to assert a Claim against a District because privity of contract does not exist, the Trade Contractor may present to the District a Claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier subcontractor, that the Trade Contractor present a Claim for work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the Claim be presented to the District shall furnish reasonable documentation to support the Claim. Within 45 days of receipt of this written request, the Trade Contractor shall notify the subcontractor in writing as to whether the Trade Contractor presented the Claim to the District and, if the Trade Contractor did not present the Claim, provide the subcontractor with a statement of the reasons for not having done so.
- q. Upon receipt of a Claim, the parties may mutually agree to waive, in writing, mediation and proceed directly to the commencement of a civil action or binding arbitration, as applicable.
- r. The Trade Contractor's Claim shall be denied if it fails to follow the requirements of this Article.

4.6.9.2 District (through CM or District's Agent or Attorney) May Request Additional Information: Within thirty (30) days of receipt of the Claim and the information under this Article, the District may request in writing any additional documentation supporting the Claim or documentation relating to defenses to the Claim which the District may assert. If additional documents are required, the time in which the Claim is evaluated may be extended by a reasonable time so the Claim and additional documents may be reviewed.

4.6.9.3 *Claims Procedures in Addition to Government Code Claim.* Nothing in the claims procedures set forth in this Article 4 of the General Conditions shall act to waive or relieve Trade Contractor from meeting the requirements set forth in Government Code Section 900 et seq.

4.6.9.4 *Binding Arbitration of Individual Claim Issues.* To expedite resolution of Claims pursuant to Public Contract Code Section 9201, at the District's sole option, the District may submit individual Claims to Arbitration prior to Retention Payment consistent with the requirements of Article 4.6.6.1.

4.6.9.5 *Resolution of Claims in Court of Competent Jurisdiction.* If Claims are not resolved under the procedure set forth and pursuant to Article 4.6.9, such Claim or controversy shall be submitted to a court in the County of the location of the Project after the Project has been completed, and not before.

4.6.9.6 *Warranties, Guarantees and Obligations.* The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto, and, in particular but without limitation, the warranties, guarantees and obligations imposed upon Trade Contractor by the General Conditions and amendments thereto; and all of the rights and remedies available to District and Architect thereunder, are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by laws or regulations by special warranty or guarantee or by other provisions of the Contract Documents, and the provisions of this Article will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right and remedy to which they apply.

ARTICLE 5 SUBCONTRACTORS

5.1 DEFINITIONS

5.1.1 Subcontractual Relations Bound to Same Contract Terms at Trade Contractor

By appropriate agreement, written where legally required for validity, Trade Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to Trade Contractor by terms of the Contract Documents, and to assume toward Trade Contractor all the same obligations and responsibilities, assumed by Trade Contractor pursuant to the Contract Documents. Each subcontract agreement shall preserve and protect the rights of the District and the Architect under the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights. Where appropriate, Trade Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. Trade Contractor shall make available to each proposed Subcontractor, prior to the execution of the subcontract agreement, copies of the Contract Documents to which the Subcontractor will be bound. Upon written request of the Subcontractor, Trade Contractor shall identify to the Subcontractor the terms and conditions of the proposed subcontract agreement, which may be at variance with the Contract Documents. Subcontractors shall similarly make copies of applicable portions of such documents available to their respective proposed Sub-subcontractors.

5.1.2 Subcontractor Licenses and DIR Registration

All Subcontractors shall be properly licensed by the California State Licensing Board. All subcontractors (of any tier) performing any portion of the Work must comply with the Labor Code sections 1725.5 and 1771.1 and must be properly and currently registered with the California Department of Industrial Relations and qualified to perform public works pursuant to Labor Code section 1725.5 throughout the duration of the Project. No portion of the Work is permitted to be performed by a subcontractor of any tier unless the subcontractor is properly registered with DIR. Any subcontractors of any tier not properly registered with DIR shall be substituted in accordance with Labor Code section 1771.1.

5.1.3 Substitution of Subcontractor

Substitution of Subcontractors shall be permitted only as authorized under Public Contract Code §§ 4107 et seq. Any substitutions of Subcontractors shall not result in any increase in the Contract Price or result in the granting of any extension of time for the completion of the Project.

5.1.4 Contingent Assignment of Subcontracts and Other Contracts

Each subcontract, purchase order, vendor contract or agreement for any portion of the Work is hereby assigned by Trade Contractor to the District provided that:

- a. Such assignment is effective only after Termination of this Contract with Trade Contractor by the District as provided under Article 14 and only for those subcontracts and other contracts and agreements that the District accepts by notifying the Subcontractor or Materialman (as may be applicable) in writing; and

- b. Such assignment is subject to the prior rights of the Surety(ies) obligated under the Payment Bond and Performance Bond.
- c. Trade Contractor shall include adequate provisions for this contingent assignment of subcontracts and other contracts and agreements in each such document.

ARTICLE 6
CONSTRUCTION BY DISTRICT OR BY SEPARATE CONTRACTORS

6.1 DISTRICT'S RIGHT TO PERFORM CONSTRUCTION AND TO AWARD SEPARATE CONTRACTS

6.1.1 Separate Contracts.

6.1.1.1 Trade Contractor is fully aware that there will be other Trade Contractors working on the Project. District specifically reserves the right to let other contracts in connection with this Work. Trade Contractor shall afford other contractors reasonable opportunity for (1) introduction and storage of their materials; (2) access to the Work; and (3) execution of their work. Trade Contractor shall properly connect and coordinate its work with that of other Contractors and Trade Contractors.

6.1.1.2 If any part of Trade Contractor's Work depends on proper execution or results of any other contractor, Trade Contractor shall inspect and within seven (7) days or less, report to Architect, in writing, any defects in such work that render it unsuitable for proper execution of Trade Contractor's Work. Trade Contractor will be held accountable for damages to District for that Work which it failed to inspect or should have inspected. Trade Contractor's failure to inspect and report shall constitute its acceptance of other contractors' Work as fit and proper for reception of its Work, except as to defects which may develop in other contractors' work after execution of the other contractor's work.

6.1.1.3 To ensure proper execution of its subsequent Work, Trade Contractor shall measure and inspect Work already in place and shall at once report to the CM and Architect in writing any discrepancy between executed Work as built and the Contract Documents.

6.1.1.4 Trade Contractor shall ascertain to its own satisfaction the scope of the Project and nature of any other contracts that have been or may be awarded by District in prosecution of the Project and the potential impact of such Work on the Project Baseline Schedule or Schedule updates. Trade Contractor shall take into account coordination with other contractors and interface between Trade Contractor and other contractors work and identify these coordination and conflict possibilities in the Trade Contractor's Baseline Schedule that is submitted.

6.1.1.5 Nothing herein contained shall be interpreted as granting to Trade Contractor the exclusive occupancy at the site of Project. Trade Contractor shall not cause any unnecessary hindrance or delay to any other contractor working on the Project Site. If execution of any contract by the District is likely to cause interference with Trade Contractor's performance of this Contract, once Trade Contractor provides District timely written notice and identifies the interference that is likely to be caused or the Schedule Conflict, CM and District shall decide which contractor shall cease work temporarily and which contractor shall continue, or whether Work can be coordinated so that contractors may proceed simultaneously.

6.1.1.6 District shall not be responsible for any damages suffered or extra costs incurred by Trade Contractor resulting directly or indirectly from award or performance or attempted performance of any other contract or contracts at the Project necessary for the performance of the Project (examples include Electrical Utility Contractor, separate offsite contractor, a separate grading contractor, furniture installation etc).

TRADE CONTRACTOR IS AWARE THAT THIS CONTRACT WILL INVOLVE MULTIPLE TRADE CONTRACTORS WORKING TOGETHER AND THAT THE WORK MAY BE SPLIT INTO SEVERAL PHASES BASED ON DOCUMENTATION PROVIDED WITH THIS BID OR DISCUSSED AT THE JOB WALK. TRADE CONTRACTOR HAS MADE ALLOWANCE FOR ANY DELAYS OR DAMAGES WHICH MAY ARISE FROM COORDINATION WITH CONTRACTORS REQUIRED FOR OTHER PHASES. IF ANY DELAYS SHOULD ARISE FROM ANOTHER CONTRACTOR WORKING ON A DIFFERENT PHASE, TRADE CONTRACTOR'S SOLE REMEDY FOR DAMAGES, INCLUDING DELAY DAMAGES, SHALL BE AGAINST THE CONTRACTOR WHO CAUSED SUCH DAMAGE AND NOT THE DISTRICT. CONTRACTOR SHALL PROVIDE ACCESS TO OTHER CONTRACTORS FOR OTHER PHASES AS NECESSARY TO PREVENT DELAYS AND DAMAGES TO OTHER CONTRACTORS WORKING ON OTHER PHASES OF CONSTRUCTION.

6.1.2 District's Right to Carry Out the Work

(See Article 2.2)

6.1.3 Designation as Contractor

When separate contracts are awarded to contractors on the Project Site, the term "Contractor" in the Contract Documents in each case shall mean other Trade Contractors or other Contractors who executes each separate District/Contractor Agreement.

6.1.4 District Notice to Trade Contractor of Other Contractors

The Trade Contractor shall have overall responsibility to reasonably coordinate and schedule Trade Contractor's activities with the activities of the District's forces and of each separate contractor with the Work of the Trade Contractor, who shall cooperate with them. Trade Contractor shall participate with other separate contractors and the District in reviewing their construction schedules when:

- 6.1.4.1 Notice is provided in the Contract Documents of other scope of Work,
- 6.1.4.2 In the case where there is known Work to be performed by other Contractors
- 6.1.4.3 For outside contractors hired by utilities
- 6.1.4.4 Where the Contract Document provides "Work by Others" or "By Others"
- 6.1.4.5 Where specifically noted during the Pre-Bid Conference
- 6.1.4.6 Where specifically noted in the Mandatory Job Walk
- 6.1.4.7 By CO or ICD,
- 6.1.4.8 With respect to the installation of :
 - a. Furniture,
 - b. Electronics and networking equipment,
 - c. Cabling,
 - d. Low voltage,
 - e. Off-site work,
 - f. Grading (when by a separate contractor),
 - g. Environmental remediation when excluded by the Contract Documents (i.e. asbestos, lead or other hazardous waste removal)

- h. Deep cleaning crews,
- i. Commissioning and testing,
- j. Keying and re-keying,
- k. Programming

6.1.4.9 Exception where no Coordination is Required on the Part of Trade Contractor for Turn Key Operations. If the Trade Contractor has specifically outlined a “Turn Key” or “Complete Delivery” of a final completed operational school in writing as part of the Trade Contractor Baseline Schedule.

6.1.4.10 Trade Contractor shall make any revisions to the Trade Contractor Baseline Schedule (or Schedule Update) deemed necessary after a joint review with CM and District and mutual agreement. The Project Baseline Schedule (or Schedule Update) shall then constitute the schedule to be used by Trade Contractor, separate contractors, and the District until subsequently revised. Additionally, Trade Contractor shall coordinate with CM, Architect, District, and Inspector to ensure timely and proper progress of Work.

6.2 CONSTRUCTIVE OWNERSHIP OF PROJECT SITE AND MATERIAL

Upon commencement of Work, the Trade Contractor becomes the constructive owner of the entire site, improvements, material and equipment on Project site. Trade Contractor must ensure proper safety and storage of all materials and assumes responsibility as if Trade Contractor was the owner of the Project site. All risk of loss or damage shall be borne by Trade Contractor during the Work until the date of Completion. As constructive owner of the Project site, Trade Contractor must carry adequate insurance in case of calamity and is not entitled to rely on the insurance requirements as set forth in this Agreement as being adequate coverage in case of calamity.

6.3 DISTRICT’S RIGHT TO CLEAN UP

If a Dispute or Claim arises among the Trade Contractor, separate contractors, and the CM and District as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish as described in Article 3.13, the District may clean up and allocate the cost among those it deems responsible.

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ARTICLE 7 CHANGES IN THE WORK

7.1 CHANGES

7.1.1 No Changes Without Authorization

There shall be no change whatsoever in the Drawings, Specifications, or in the Work without an executed Change Order, Change Order Request, Immediate Change Directive, or order by the Architect for a minor change in the Work as herein provided. District shall not be liable for the cost of any extra work or any substitutions, changes, additions, omissions, or deviations from the Drawings and Specifications unless the District's Governing Board or designated representative with delegated authority (subject to Board ratification) has authorized the same and the cost thereof approved in writing by Change Order or executed Construction Change Document. No extension of time for performance of the Work shall be allowed hereunder unless claim for such extension is made at the time changes in the Work are ordered, and such time duly adjusted in writing in the Change Order. The provisions of the Contract Documents shall apply to all such changes, additions, and omissions with the same effect as if originally embodied in the Drawings and Specifications. Notwithstanding anything to the contrary in this Article 7, all Change Orders shall be prepared and issued by the Architect and shall become effective when approved by the District's Governing Board, the Architect, and Trade Contractor.

Should any Change Order result in an increase in the Contract Price, the cost of such Change Order shall be agreed to, in writing, in advance by Trade Contractor and District and be subject to the monetary limitations set forth in Public Contract Code Section 20118.4 (Please check with the District since there are different interpretations of the limitations of Public Contract Code Section 20118.4 depending on the County the Project is located). In the event that Trade Contractor proceeds with any change in Work without first notifying District and obtaining the Architect's and District's consent to a Change Order, Trade Contractor waives any Claim of additional compensation for such additional work and Trade Contractor takes the risk that a Notice of Non-Compliance may issue, a critical path Project delay may occur, and Trade Contractor will also be responsible for the cost of preparation and DSA CCD review fees for a corrective DSA approved Construction Change Document.

TRADE CONTRACTOR UNDERSTANDS, ACKNOWLEDGES, AND AGREES THAT THE REASON FOR THIS NOTICE REQUIREMENT IS SO THAT DISTRICT MAY HAVE AN OPPORTUNITY TO ANALYZE THE WORK AND DECIDE WHETHER THE DISTRICT SHALL PROCEED WITH THE CHANGE ORDER OR ALTER THE PROJECT SO THAT SUCH CHANGE IN WORK BECOMES UNNECESSARY AND TO AVOID THE POSSIBLE DELAYS ASSOCIATED WITH THE ISSUANCE OF A NOTICE OF NON-COMPLIANCE.

7.1.2 Notices of Non-Compliance

Trade Contractor deviation or changes from approved Plans and Specifications may result in the issuance of a Notice of Non-Compliance (See DSA Form 154). Trade Contractor is specifically notified that deviations from the Plans and Specifications, whether major or minor, may result in the requirement to obtain a DSA Construction Change Document to correct the Notice of Non-Compliance. (See Article 7.3.1 for Definition of CCD). In some cases, the lack of a DSA approved CCD AND verification from the Inspector that a Notice of Non-Compliance has been corrected may result in a critical path delay to the next stage of Work on the Project. Specifically, a deviation from approved Plans and Spec

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ifications may prevent approval of the category of Work listed in the DSA 152 Project Inspection Card. Any delays that are caused by Trade Contractor's deviation from approved Plans and Specifications shall be Trade Contractor's responsibility.

7.1.3 Architect Authority

The Architect will have authority to order minor changes in the Work that do not involve DSA Approval not involving any adjustment in the Contract Sum, or an extension of the Contract Time.

7.2 **CHANGE ORDERS ("CO")**

A CO is a written instrument prepared by the Architect and signed by the District (as authorized by the District's Governing Board), Trade Contractor, and the Architect stating their agreement upon all of the following:

- a. A description of a change in the Work;
- b. The amount of the adjustment in the Contract Sum, if any; and
- c. The extent of the adjustment in the Contract Time, if any.

A CO may be comprised of ICD's, Response to RFP's and COR's

7.3 **CONSTRUCTION CHANGE DOCUMENT (CCD Category A, and CCD Category B) and IMMEDIATE CHANGE DIRECTIVE (ICD)**

7.3.1 Definitions

7.3.1.1 *Construction Change Document (CCD)*. A Construction Change Document is a DSA term that is utilized to address changes to the DSA approved Plans and Specifications. There are two types of Construction Change Documents. (1) DSA approved CCD Category A for Work affecting structural, access or fire/ life safety of the Project which will require a DSA approval; and, (2) CCD Category B for work NOT affecting structural safety, access compliance or fire/ life safety that will not require a DSA approval (except to confirm that no Approval is required). Both CCD Category A and Category B shall be set forth in DSA Form 140 and submitted to DSA as required.

7.3.1.2 *Immediate Change Directive (ICD)*. An Immediate Change Directive is a written order to Trade Contractor prepared by the Architect and signed by the District and CM and the Architect, directing a change in the Work and stating a proposed basis for adjustment, if any, in the Contract Sum or Contract Time, or both. The District may by ICD, without invalidating the Contract, direct immediate changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions within. If applicable, the Contract Sum and Contract Time will be adjusted accordingly.

In the case of an Immediate Change Directive being issued, Trade Contractor must commence Work immediately or delays from failure to perform the ICD shall be the responsibility of Trade Contractor and the failure to move forward with Work immediately shall also be grounds for Termination under Article 14.

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An ICD does not automatically trigger an Article 7.6 Dispute or Claim. Trade Contractor must timely follow the procedures outlined at Article 7.6 and 4.6 where applicable.

Refer to Division 1 and Supplementary General Conditions for a copy of the proposed Immediate Change Directive form.

7.3.2 Use to Direct Change

An ICD shall be used to move work forward immediately and to avoid delay. In some cases, an ICD shall be issued in the absence of agreement on the terms of a CO, COR, or RFP. A copy of an ICD form is provided in the Supplementary General Conditions and Division 1. The anticipated not to exceed price for the Work will be inserted into the ICD. In the case of an ICD issued to correct Trade Contractor Deficiencies or to correct a Trade Contractor caused Notice of Non-Compliance, the ICD may be issued with \$0 and no additional time. Contract may prepare a COR associated with the ICD pursuant to Article 7. However, Trade Contractor shall proceed with all Work required under an Approved ICD immediately upon issuance. Failure to proceed with the Work under an ICD shall be grounds for Termination for Cause under Article 14 or take over the Work under Article 2.2.

If adequate time exists, an ICD may be subject of an RFP for pricing and determination if any time that may be required. However, if an RFP is not completed, Trade Contractor shall immediately commence Work when an ICD is issued. If the RFP is incomplete, it may still be completed to be submitted for pricing purposes as long as the RFP is submitted within the timeline provided by the RFP, or within 10 days following issuance of the ICD.

7.3.3 ICD Issued Over a Notice of Non-Compliance or to Cover Work Subject to a DSA 152 Sign Off

In some cases, an ICD shall be for the purpose of proceeding with Work to keep the Project on Schedule and as an acknowledgement by the District that Trade Contractor is proceeding with Work contrary to a Notice of Non-Compliance, prior to issuance of a DSA approved CCD Category A, or to direct the covering of Work which has not yet received a DSA 152 Inspection Approval to move forward.

7.3.3.1 *Trade Contractor Compliance with all Aspects of an ICD.* Trade Contractor is to undertake the ICD and comply with all aspects of the Work outlined in the ICD. Inspector is to inspect the Work pursuant to the ICD. Failure to follow the ICD may result in deduction of the ICD Work under Article 2.2 or Termination of the Trade Contractor pursuant to Article 14.

7.3.3.2 *Exception in the Case of DSA Issued Stop Work Order.* Trade Contractor must proceed with an ICD even if a CCD has not been approved by DSA except in the case of a DSA issued Stop Work Order. If a DSA Stop Work Order is issued, Trade Contractor must stop work and wait further direction from the District.

7.3.3.3 *ICD Due to Trade Contractor Deficiency or Trade Contractor Caused Notice of Non-Compliance.* If an ICD is issued to correct a Trade Contractor Deficiency or a Trade Contractor caused notice of Non-Compliance, Trade Contractor specifically acknowledges responsibility for all consequential damages associated with Trade Contractor Deficiency or Trade Contractor caused Notice of Non-Compliance and all consequential damages and costs incurred to correct the deficiency under Article 4.5.

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7.4 REQUEST FOR INFORMATION (“RFI”)

7.4.1 Definition

A RFI is a written request prepared by Trade Contractor requesting the Architect to provide additional information necessary to clarify or amplify an item which Trade Contractor believes is not clearly shown or called for in the Drawings or Specifications, or to address problems which have arisen under field conditions.

7.4.1.1 A RFI shall not be used as a vehicle to generate time extensions.

7.4.1.2 Resubmission of the same or similar RFI is not acceptable. RFI’s that are similar should be addressed in Project meetings where the requestor (Trade Contractor, Subcontractor or vendor) is able to address the particular issue with the Architect or Engineer and a resolution addressed in the minutes.

7.4.1.3 A RFI response applicable to a specific area cannot be extended to other situations unless specifically addressed in writing within the RFI or in a separate RFI.

7.4.1.4 RFI’s should provide a proposed solution and should adequately describe the problem that has arisen.

7.4.2 Scope

The RFI shall reference all the applicable Contract Documents including Specification section, detail, page numbers, Drawing numbers, and sheet numbers, etc. Trade Contractor shall make suggestions and interpretations of the issue raised by the RFI. An RFI cannot modify the Contract Cost, Contract Time, or the Contract Documents.

7.4.3 Response Time

The Architect must respond to a RFI within a reasonable time after receiving such request. If the Architect’s response results in a change in the Work, then such change shall be effected by a written CO, COR RFP or ICD, if appropriate. If the Architect cannot respond to the RFI within a reasonable time, the Architect shall notify Trade Contractor, with a copy to the Inspector and the District, of the amount of time that will be required to respond.

7.4.4 Costs Incurred

Trade Contractor shall be responsible for any costs incurred for professional services as more fully set forth in Article 4.5, which shall be subject to a Deductive Change Order, if an RFI requests an interpretation or decision of a matter where the information sought is equally available to the party making such request. District, at its sole discretion, shall issue a Deductive Change Order to Trade Contractor for all such professional services arising from this Article.

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7.5 REQUEST FOR PROPOSAL (“RFP”)

7.5.1 Definition

A RFP is a written request prepared by the Architect (and/or CM) requesting Trade Contractor to submit to the District and the Architect an estimate of the effect of a proposed change on the Contract Price and (if applicable) the Contract Time. If Architect issues a Bulletin, the Changed items in the Bulletin shall be addressed as an RFP and all responses shall be prepared to a Bulletin as addressed in this Article 7.5. A form RFP is included in the Division 1 documents.

7.5.2 Scope

A RFP shall contain adequate information, including any necessary Drawings and Specifications, to enable Trade Contractor to provide the cost breakdowns required by Article 7.7. Trade Contractor shall not be entitled to any Additional Compensation for preparing a response to an RFP, whether ultimately accepted or not.

7.5.3 Response Time

Trade Contractor shall respond to an RFP within ten (10) days or the time period otherwise set forth in the RFP.

7.6 CHANGE ORDER REQUEST (“COR”)

7.6.1 Definition

A COR is a written request prepared by Trade Contractor supported by backup documentation requesting that the District and the Architect issue a CO based upon a proposed change, cost, time, or cost and time that may be incurred on the Project or arising from an RFP, ICD, or CCD.

7.6.2 Changes in Price

A COR shall include breakdowns per Article 7.7 to validate any change in Contract Price due to proposed change or Claim.

7.6.3 Changes in Time

A COR shall also include any additional time required to complete the Project only if the delay is a critical path delay. Any additional time requested shall not be the number of days to make the proposed change, but must be based upon the impact to the Project Schedule as defined in Article 8. A schedule fragnet showing the time delay must be submitted with the COR. Any changes in time will be granted only if there is an impact to the critical path. If Trade Contractor fails to request a time extension in a COR, then Trade Contractor is thereafter precluded from requesting or claiming a delay.

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7.7 COST OF CHANGE ORDERS

7.7.1 Scope

Within ten (10) days after a request is made for a change that impacts the Contract Sum as defined in Article 9.1, the critical path, or the Contract Time as defined in Article 8.1.1, Trade Contractor shall provide the District and the Architect, with a written estimate of the effect of the proposed CO upon the Contract Sum and the actual cost of construction, which shall include a complete itemized cost breakdown of all labor and material showing actual quantities, hours, unit prices, and wage rates required for the change, and the effect upon the Contract Time of such CO. Changes may be made by District by an appropriate written CO, or, at the District's option, such changes shall be implemented immediately upon Trade Contractor's receipt of an appropriate written Construction Change Document.

District may, as provided by law and without affecting the validity of this Agreement, order changes, modification, deletions and extra work by issuance of written CO or CCD from time to time during the progress of the Project, Contract Sum being adjusted accordingly. All such Work shall be executed under conditions of the original Agreement except that any extension of time caused thereby shall be adjusted at time of ordering such change. District has discretion to order changes on a "time and material" basis with adjustments to time made after Trade Contractor has justified through documentation the impact on the critical path of the Project.

7.7.1.1 *Time and Material Charges.* If the District orders Work on a "time and material" basis, timesheets shall be signed daily by the Inspector or District Representative at or near the time the Work is actually undertaken and shall show the hours worked, and the Work actually completed. No time sheets shall be signed the next day. A copy shall be provided to the Person signing the document at the time the document is signed, but not before 10 am the following day.

7.7.2 Determination of Cost

The amount of the increase or decrease in the Contract Price from a CO or COR, if any, shall be determined in one or more of the following ways as applicable to a specific situation:

- a. Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation. If an agreement cannot be reached within fifteen (15) days after submission and negotiation of Trade Contractor's proposal, Trade Contractor may submit pursuant to Article 7.7.3. Submission of sums which have no basis in fact are at the sole risk of Trade Contractor and may be a violation of the False Claims Act set forth under Government Code Section 12650 et seq.);
 1. If the District objects to 7.7.2(a) as a method for submission due to inaccuracies in the submitted amount, overstatement of manpower or time required to perform the CO, or unreliability of the data provided, the District may either have the Architect or a professional estimator determine the cost for the CO, and the applicable time extension, or the Trade Contractor shall utilize Article 7.7.2(d) or 7.7.3.
 2. Once the District provides a written objection to use of Article 7.7.2(a) due to unreliability of the estimated price, the Trade Contractor shall no longer

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utilize mutual acceptance of a lump sum as a method for submission of CO's **Error! Reference source not found.**d) or 7.7.3.

- b. By unit prices contained in Trade Contractor's original bid and incorporated in the Project documents or fixed by subsequent agreement between District and Trade Contractor;
- c. Cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee. However, in the case of disagreement, Trade Contractor must utilize the procedure under Article 7.7.3; or
- d. By cost of material and labor and percentage of overhead and profit. If the value is determined by this method the following requirements shall apply:

1. *Basis for Establishing Costs*

- i. Labor will be the cost for wages prevailing locally for each craft or type of workers at the time the extra Work is done, plus employer payments of payroll taxes and workers compensation insurance (exclude insurance costs as part of the overhead and profit mark-up), health and welfare, pension, vacation, apprenticeship funds, and other direct costs resulting from Federal, State, or local laws, as well as assessments or benefits required by lawful collective bargaining agreements. In no case shall the total labor costs exceed the applicable prevailing wage rate for that particular classification. The use of a labor classification which would increase the extra Work cost will not be permitted unless Trade Contractor establishes the necessity for such additional costs. Labor costs for equipment operators and helpers shall be reported only when such costs are not included in the invoice for equipment rental.
- ii. Materials shall be at invoice or lowest current price at which such materials are locally available and delivered to the Site in the quantities involved, plus sales tax, freight, and delivery. The District reserves the right to approve materials and sources of supply or to supply materials to Trade Contractor if necessary for the progress of the Work. No markup shall be applied to any material provided by the District.
- iii. Tool and Equipment Rental. No payment will be made for the use of tools which have a replacement value of \$250 or less.

Regardless of ownership, the rates to be used in determining equipment rental costs shall not exceed listed rates prevailing locally at equipment rental agencies or distributors at the time the Work is performed. Rates applied shall be appropriate based on actual equipment need and usage. Monthly, weekly or other extended use rates that results

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in the lowest cost shall be applied if equipment is used on site for extended periods.

The rental rates paid shall include the cost of fuel, oil, lubrication, supplies, small tools, necessary attachments, repairs and maintenance of any kind, depreciation, storage, insurance (exclude insurance costs due to OCIP coverage), and all incidentals.

Necessary loading and transportation costs for equipment used on the extra Work shall be included. If equipment is used intermittently and, when not in use, could be returned to its rental source at less expense to the District than holding it at the Work Site, it shall be returned unless Trade Contractor elects to keep it at the Work Site at no expense to the District.

All equipment shall be acceptable to the Inspector, in good working condition, and suitable for the purpose for which it is to be used. Manufacturer's ratings and modifications shall be used to classify equipment, and equipment shall be powered by a unit of at least the minimum rating recommended by the manufacturer.

If tool and equipment charges are part of a Dispute or Claim, the District reserves the right to utilize actual costs for tools and equipment or a depreciation rate for equipment based on audit finding under Article 13.11 and deduct any rental charges that exceed actual or depreciated costs.

- e. Other Items. The District may authorize other items which may be required on the extra work. Such items include labor, services, material, and equipment which are different in their nature from those required by the Work, and which are of a type not ordinarily available from Trade Contractor or any of the Subcontractors. Invoices covering all such items in detail shall be submitted with the request for payment.
- f. Invoices. Vendors' invoices for material, equipment rental, and other expenditures shall be submitted with the COR. If the request for payment is not substantiated by invoices or other documentation, the District may establish the cost of the item involved at the lowest price which was current at the time of the Daily Report.
- g. Overhead. Overhead, including direct and indirect costs, shall be submitted with the COR and include: field overhead, home office overhead, off-site supervision, CO preparation/negotiation/research, time delays, Project interference and disruption, additional guaranty and warranty durations, on-site supervision, additional temporary protection, additional temporary utilities, additional material handling costs, liability and property damage insurance, and additional safety equipment costs.

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7.7.3 Format for COR or CO's

The following format shall be used as applicable by the District and Trade Contractor to communicate proposed additions to the Contract. All costs submitted shall be actual costs and labor shall be unburdened labor. Refer to Division 1 for a copy of the Construction Change Order form.

		<u>EXTRA</u>	<u>CREDIT</u>
(a)	Material (attach itemized quantity and unit cost plus sales tax)		
(b)	Labor Not to Exceed Applicable Prevailing Wage Rates (attach itemized hours and rates)		
(c)	Equipment (attach invoices)		
(d)	Subtotal		
(e)	If Subcontractor performed work, add Subcontractor's overhead and profit to portions performed by Subcontractor, not to exceed 10% of item (d).		
(f)	Subtotal		
(g)	Contractor's Overhead and Profit: Not to exceed 10% of Item (d) if Contractor performed the work. No more than 5% of Item (d) if Subcontractor performed the work. If work was performed by Contractor and Subcontractors, portions performed by Contractor shall not exceed 10% of Item (d), and portions performed by Subcontractor shall not exceed 10% of Item (d).		
(h)	Subtotal		

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		<u>EXTRA</u>	<u>CREDIT</u>
		_____	_____
(i)	Bond not to exceed one percent (1%) of Item		
	(h)		
(k)	TOTAL	_____	_____
(l)	Time/Days	_____	_____
		_____	_____

The undersigned Trade Contractor approves the foregoing Change Order or Immediate Change Directive as to the changes, if any, and the Contract Price specified for each item and as to the extension of time allowed, if any, for completion of the entire Work on account of said Change Order or Immediate Change Directive, and agrees to furnish all labor, materials and service and perform all Work necessary to complete any additional Work specified therein, for the consideration stated herein. It is understood that said Change Order or Immediate Change Directive shall be effective when approved by the Governing Board of the District.

It is expressly understood that the value of such extra Work or changes, as determined by any of the aforementioned methods, expressly includes any and all of the Trade Contractor’s costs and expenses, both direct and indirect, resulting from additional time required on the Project or resulting from delay to the Project. Any costs, expenses, damages or time extensions not included are deemed waived.

Trade Contractor expressly acknowledges and agrees that any change in the Work performed shall not be deemed to constitute a delay or other basis for claiming additional compensation based on theories including, but not limited to, acceleration, suspension or disruption to the Project.

7.7.3.1 *Adjustment for Time and Compensable Delay.* A CO shall also include any additional time required to complete the Project. Any additional time requested shall not be the number of days to make the proposed change, but must be based upon the impact to the Project Schedule as defined in Article 8 of the General Contract. A schedule fragnet showing the time delay must be submitted with the CO. Any changes in time will be granted only if there is an impact to the critical path. If Trade Contractor fails to request a time extension in a CO, then Trade Contractor is thereafter precluded from requesting or claiming a delay.

7.7.4 Deductive Change Orders

All Deductive Change Order(s) must be prepared utilizing the form under Article 7.7.3 (a) – (d) only, setting forth the actual costs incurred. Except in the case of an Article 2.2 or 9.6 Deductive Change Order where no mark-up shall be allowed, Trade Contractor will be allowed a maximum of 5% total profit and overhead.

For unilateral Deductive Change Orders, or where credits are due from Trade Contractor for Allowances, Deductive Items, Inspection, Damage, DSA CCD review costs, Architect or Inspector costs for after hours or corrective services, Work removed from the Agreement under Article 2.2 or Article 9.6, there shall be no mark-up.

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District may, any time after a Deductive Change Order is presented to Trade Contractor by District for items under Article 2.2 or Article 9.6 of if there is disagreement as to the Deductive Change Order, issue a unilateral Deductive Change Order on the Project and deduct the Deductive Change Order from a Progress Payment, Final Payment, or Retention.

7.7.5 Discounts, Rebates, and Refunds

For purposes of determining the cost, if any, of any change, addition, or omission to the Work hereunder, all trade discounts, rebates, refunds, and all returns from the sale of surplus materials and equipment shall accrue and be credited to Trade Contractor, and Trade Contractor shall make provisions so that such discounts, rebates, refunds, and returns may be secured, and the amount thereof shall be allowed as a reduction of Trade Contractor's cost in determining the actual cost of construction for purposes of any change, addition, or omissions in the Work as provided herein. All CO's are subject to Audit under Article 13.11 for discounts, rebates and refunds.

With respect to portions of the Work performed by COs and CCD's on a time-and-materials, unit-cost, or similar basis, Trade Contractor shall keep and maintain cost-accounting records in a format consistent with accepted accounting standards and satisfactory to the District, which shall be available to the District on the same terms as any other books and records Trade Contractor is required to maintain under the Contract Documents.

Any time and material charges shall require Inspector's signature on time and material cards showing the hours worked and the Work actually completed. (See Article 7.7.1.1)

7.7.6 Notice Required

If Trade Contractor desires to initiate a Dispute for an increase in the Contract Price, or any extension in the Contract Time for completion, Trade Contractor shall notify the applicable party responsible for addressing the Dispute or Claim pursuant to Article 4.6. No Claim or Dispute shall be considered unless made in accordance with this subparagraph. Trade Contractor shall proceed to execute the Work even though the adjustment may not have been agreed upon. Any change in the Contract Price or extension of the Contract Time resulting from such Claim shall be authorized by a CO.

7.7.7 Applicability to Subcontractors

Any requirements under this Article 7 shall be equally applicable to CO's, COR's or ICD's issued to Subcontractors by Trade Contractor to the same extent required by the Trade Contractor.

7.7.8 Alteration to Change Order Language

Trade Contractor shall not alter or reserve time in COR's, CO's or ICD's. Trade Contractor shall execute finalized CO's and proceed under Article 7.7.7 and Article 4.6 with proper notice. If Trade Contractor intends to reserve time without an approved CPM schedule prepared pursuant to Article 8 or without submitting a fragnet showing delay to critical path, then Trade Contractor may be prosecuted pursuant to the False Claim Act.

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ARTICLE 8 TIME AND SCHEDULE

8.1 DEFINITIONS

8.1.1 Contract Time

The Work performed by all Trade Contractors, coordinated through CM shall reach Substantial Completion (See Article 1.1.55) within the time specified in the Agreement Form. Moreover, Trade Contractors, coordinated and in concert with each other, shall perform its Work in strict accordance with the Project Milestones and Outline Schedule in the Contract Documents inclusive of all Float and other Baseline inclusions as noted in Article 8.3.2.12 and as otherwise specifically noted in Article 8.

8.1.2 Development of a Project Baseline Schedule

All Trade Contractors shall perform Work for the Project based on timing and sequences required under the Outline Schedule provided with the Contract Documents so Substantial Completion (See Article 1.1.55) is reached within the Contract Time. A Project Baseline Schedule will be developed from the Trade Contractor Baseline Schedule developed by Trade Contractor from the Outline Schedule provided in the Contract Documents. The Project Baseline Schedule incorporates input on timing, sequence, and durations so Milestones and the date of Substantial Completion can be reached in the Contract Time (including all Float and other Baseline inclusions as noted in Article 8.3.2.12). Once the Project Baseline Schedule is developed, Trade Contractor shall perform its Work in strict accordance with the Project Baseline Schedule to meet all Project Milestones.

Contract Time includes and incorporates all Float and other Baseline inclusions as noted in Article 8.3.2.12 and as otherwise specifically noted in Article 8.

8.1.3 Notice to Proceed

District may give a NTP to commence work for the Project within ninety (90) days of the award of the bid by District. All Trade Contractors will receive a copy of this NTP. Trade Contractors are to immediately commence preparing Submittals, Trade Contractor Baseline Schedules and commence attendance at Initial Trade Contractor Coordination Meetings after receipt of the NTP. However, not all Trade Contractors will immediately commence Work. Once Trade Contractor Baseline Schedules are reviewed and coordinated, Trade Contractor shall schedule their work based on the CM prepared Project Baseline Schedule, which shall form the timing and basis for Trade Contractor's Work. If there are areas of conflict or issues with how Trade Contractor Baseline Schedule was incorporated into the Project Baseline Schedule, Trade Contractor must provide written notice within ten (10) days following issuance of the Project Baseline Schedule. The Project Baseline Schedule determines the timing of Work for the entire Project for all Trade Contractors and is prepared so all Milestones are met and all Work shall be completed in the Contract Time.

8.1.4 Computation of Time

The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

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8.1.5 Float

Float is time the total number of days an activity may be extended or delayed without delaying the Completion Date shown in the schedule. Float will fall into three categories: (1) Rain Days; (2) Governmental Delays; and, (3) Project Float. Project Float and Rain Days are owned by the Project and may be utilized as necessary for critical path delays once the days become available for consumption (i.e. the Rain Day arrives and is not utilized since rain did not occur or Work was performed on the interior of a building). Float is applicable to Critical Activities for the entire Project and shall be applied to each Trade Contractor based on the Trade Contractor's sequence of Work in relation to the Project Baseline Schedule that is issued and occasionally updated by CM in Schedule Updates. However, Governmental Delay Float shall not be utilized for purposes other than to address critical path delays that arise due to approvals, Inspector approvals or verifications on governmental forms.

8.1.5.1 *Governmental Delay Float.* It is anticipated that there will be governmental generated delays over the course of the Project. Specific to DSA approvals, it is anticipated that no less than twelve (12) days per calendar year shall be set aside as Governmental Float to be utilized on critical path delays. A pro-rated number of days shall be calculated based on length of Contract Time. (For example, a two (2) year Contract Time shall require twenty-four (24) days of Governmental Float. If the Contract Time is 182 days, then the Contract Time shall require six (6) days of Governmental Float) This Governmental Delay Float must be incorporated into the Trade Contractor Baseline Schedule and should be incorporated in each critical activity as Trade Contractor deems fit. Specifically, major categories of Work under the DSA 152 (Project Inspection Card) should be allocated Governmental Delay Float at the Trade Contractor's discretion. Governmental Delay Float on the Project may exceed 12 days per one (1) year period, but Trade Contractor is required to include not be less than 12 days of Governmental Delay Float during each one (1) year period.

The Project Baseline Schedule may carry Governmental Delay Float as a float category allowance item to be consumed as necessary during the course of the Project at the CM's option.

Trade Contractor's failure to establish a protocol for requesting inspections is not grounds to utilize Governmental Delay Float. As noted in Article 3.1.4, 48 hours advance notice of commencing Work on a new area is required after submitting form DSA 156 and under PR 13-01 Special Inspection reports are not required to be posted until at least 14 days after the Work was inspected. Failure to plan, and pay (if applicable) for quicker delivery of Special Inspections is not Governmental Delay Float under Article 8.1.5.1. If Governmental Delay Float is not utilized, this float is carried through to other DSA 152 categories of inspection and consumed over the course of the Project

Governmental Delay Float may be utilized for a DSA Stop Work Order regardless of fault as defined under Education Code Section 17307.5(b).

8.1.5.2 *Inclement Weather (Rain Days).* Time extensions for unusually severe weather if it results in precipitation or other conditions which in the amount, frequency, or duration is in excess of the norm at the location and time of year in question as established by NOAA weather data. No less than 22 calendar days for each calendar year for Southern California will be allotted for in the Trade Contractor Baseline Schedule and Project Baseline Schedule for each winter weather period or carried at the end of the schedule as Rain Float. Float for weather days in other geographical regions shall be adjusted based on NOAA weather data for the geographical location. As part of Trade Contractor's Baseline Schedule, Trade Contractor has anticipated all the days it takes as part of Trade Contractor's Scope of Work to dry out and re-prepare areas that may be affected by weather delays which extend beyond the actual weather days. The

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weather days that occur during the course of the Project that affect Trade Contractor that are not used will become float for the Project's use. Trade Contractor weather delays during Trade Contractor Scope of Work will not be allowed on a day-for-day weather delay for periods noted as float in the Schedule. Trade Contractor is expected to work seven (7) days per week (if necessary, irrespective of inclement weather), to maintain access, and to protect the Work under construction from the effects of inclement weather. Additional days beyond the NOAA shall be considered under the same criteria that weather days are granted below.

A Rain Day shall be granted if the weather prevents a critical activity when requested by the Trade Contractor from beginning Work at the usual daily starting time, or prevents the Trade Contractor from proceeding with seventy-five (75%) of the normal labor and equipment force towards completion of the day's current controlling item on the accepted schedule for a period of at least five hours, and the crew is dismissed as a result thereof, the Architect will designate such time as unavoidable delay and grant one (1) critical path activity calendar-day extension if there is no available float for the calendar year.

The Project Baseline Schedule may carry Rain Float as a float category allowance item to be consumed as necessary during the course of the Project at the CM's option.

8.1.5.3 *Project Float.* The Trade Contractor (or CM) may determine some activities require a lesser duration than allocated and may set aside float in the Project Schedule. There shall be no early completion. Instead, to the extent float is either addressed at the end of the Project or throughout each category of critical path work, Project Float may be used as necessary during the course of the Project and allocated on a first, come first serve basis. However, the use of float does not extend to Governmental Delay Float, which shall only be used for Governmental Delays.

8.2 HOURS OF WORK

8.2.1 Sufficient Forces

Trade Contractors shall continuously furnish sufficient forces to ensure the prosecution of the Work in accordance with the Project Baseline Schedule and Updated Schedules for the Project.

8.2.2 Performance During Working Hours

Work shall be performed during regular working hours as permitted by the appropriate governmental agency except that in the event of an emergency, or when required to complete the Work in accordance with job progress, Work may be performed outside of regular working hours with the advance written consent of the District and approval of any required governmental agencies.

8.2.3 Costs for After Hours Inspections

If the Work done after hours is required by the Contract Documents, a Trade Contractor Recovery Schedule, or as a result of the Trade Contractor's failure to plan, and inspection must be conducted outside the Inspector's regular working hours, the costs of any after hour inspections, shall be borne by the Trade Contractor.

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If the District allows Trade Contractor to do Work outside regular working hours for the Trade Contractor's convenience, the costs of any inspections required outside regular working hours shall be addressed through a Deductive Change Order shall be issued from the next Progress Payment.

If Trade Contractor elects to perform Work outside the Inspector's regular working hours, costs of any inspections required outside regular working hours shall be invoiced to Trade Contractor by the District and a Deductive Change Order.

8.3 PROGRESS AND COMPLETION

8.3.1 Time of the Essence

Time limits stated in the Outline Schedule and the Milestones and Contract Time submitted with Contract Documents are of the essence to the Contract. By executing the Agreement, the Trade Contractor confirms that the Contract Time and Milestones are a reasonable period for performing the Work.

8.3.2 Trade Contractor Baseline Schedule Requirements

8.3.2.1 *Timing:* Within ten (10) calendar days after NTP, Trade Contractor shall submit a practical schedule showing the order in which the Trade Contractor proposes to perform the Work, the durations of each category of Work, and the dates on which the Trade Contractor contemplates starting and completing the categories of the Work.

8.3.2.2 *Trade Contractor Baseline Schedule.* This first schedule which outlines the Trade Contractor's view of the practical way in which the Work will be accomplished is the Trade Contractor Baseline Schedule. If the Trade Contractor Fails to submit its Baseline Schedule within the ten (10) days noted, then District may withhold processing and approval of progress payments pursuant to Article 9.4 and 9.6. As part of the preparation of Trade Contractor Baseline Schedule, Trade Contractor shall undertake the following:

- a. Review of Durations in the Outline Schedule shall be undertaken carefully.
- b. Coordination with other Trade Contractors. Where interface is required with other Trade Contractors, Trade Contractor Baseline Schedule must note where coordination is required and the coordination points and dates shall be noted and forwarded in an outline or narrative basis to the affected Trade Contractor so the interface and timing may be reviewed at Trade Contractor Initial Coordination Meetings.
- c. Preparation of BIM Documents. (If BIM is used on the project) When preparing BIM documents, coordination and timing of coordination of items with other trade contractors must also be noted on the Trade Contractor Baseline Schedule along with a narrative of the exact areas that require coordination with other trades.
- d. Clash Check or Coordination Checks. During the Trade Contractor Initial Coordination meetings, Trade Contractors are required to review and address conflicts and clashes that are identified so issues can be resolved

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on a Building Information Modeling methodology and/or RFI's or questions generated rather than the more expensive delays to the schedule or review and update while the Project is in progress. Trade Contractor must attend all Initial Coordination Meetings to address Schedule and timing of coordination and/or BIM review.

- e. Issues with Outline Schedule must be addressed in writing by Trade Contractor identifying the issue, duration, conflict, or other problem with the Outline Schedule within ten (10) days after NTP. The issues will be addressed at the first Trade Contractor Coordination meeting and each Trade Contractor Coordination meeting until a Project Baseline Schedule for the entire Project is established.
- f. Once the Project Baseline Schedule is Provided, Trade Contractor must provide written objections within ten (10) days after receipt of the Project Baseline Schedule and note the specific items that are issues and request revision, if necessary.

8.3.2.3 *District Review and Approval:* The Design Team will review both a paper and electronic copy of Trade Contractor Baseline Schedule and note comments under Article 8.3.2(e) or as otherwise noted in this Article and either approve or disapprove the Trade Contractor Baseline Schedule.

- a. Schedules to be Provided Electronically. All Baseline, Update, and Recovery Schedules shall be prepared using an accepted electronic scheduling program acceptable to CM. All Schedules shall be delivered in an electronic format usable by the CM. All logic ties and electronic information shall be included in the electronic copy of the schedule that is delivered to the CM.

8.3.2.4 *Schedule Must Be Within the Given Contract Time.* The Trade Contractor Baseline Schedule shall not add durations that cause the Contract Time to be exceeded, shall not exceed time limits set forth in the Contract Documents and shall comply with all of the scheduling requirements as set forth in the Specifications.

8.3.2.5 *Submittals Must Be Incorporated (See Articles 3.7 and 3.9):* Trade Contractor shall include Submittals as line items in the Trade Contractor Baseline Schedule as required under Article 3.7.2 and 3.9.6. Submittals shall not delay the Work, Milestones, or the Completion Date. Failure to include Submittals in the Trade Contractor Baseline Schedule shall be deemed a material breach by the Trade Contractor.

8.3.2.6 *Float Must Be Incorporated:* The schedule must indicate the beginning and completion of all phases of construction and shall use the "Critical Path Method" (commonly called CPM) for the value reporting, planning and scheduling, of all Work required under the Contract Documents. Trade Contractor Baseline Schedule must incorporate all Milestones in Outline Schedule, apply Governmental Float as deemed appropriate in the Trade Contractor's discretion. The Trade Contractor Baseline Schedule shall incorporate the Outline Schedule provided as part of the Contract Documents and shall note durations that will not be adequate or should be shortened based on Trade Contractor's Review. These changes shall be identified, reviewed with other Trade Contractor Baseline Schedules and incorporated into CM's Project Baseline Schedule for the Project. CM's Project Baseline Schedule is

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critical to CM Coordination, Sequencing of Trades, and to ensure monitoring of the progress of each Trade Contractor's Work.

8.3.2.7 *No Early Completion.* Trade Contractor shall not submit a Trade Contractor Baseline Schedule showing early completion without indicating float time through the date set for Project completion by District. Trade Contractor's schedule shall account for all days past early completion as float which belongs to the Project. Usage of float shall not entitle Trade Contractor to any delay claim or damages due to delay.

8.3.2.8 *Use of Outline Schedule Provided in Bid Documents.* The Bid will include an Outline Schedule providing anticipated durations and sequences that incorporates key Milestones along with general timing for the Project that incorporates float and other Baseline inclusions as noted in Article 8.3.2.12. The preliminary Outline Schedule is not intended to serve as the Project Baseline Schedule utilized for construction. It is up to the Trade Contractor to study, participate and assist in developing a Project Baseline Schedule to address the actual durations and sequences of Work that is anticipated while maintaining the Milestones provided by the District. Trade Contractor shall obtain information from Trade Contractor's Subcontractors and vendors on the planning, progress, delivery of equipment, coordination, and timing of availability of Subcontractors so a practical plan of Work is fully developed and represented in the Project Baseline Schedule.

8.3.2.9 *Trade Contractor Failure to Submit Trade Contractor Baseline Schedule.* Trade Contractor failure to submit a Trade Contractor Baseline Schedule is a material breach of the Contract and grounds for Termination pursuant to Article 14. However, CM, in its sole discretion, may require Trade Contractor's written consent to the Project Baseline Schedule prepared from other Trade Contractor information utilized to build the Project Baseline Schedule as a whole.

8.3.2.10 *Incorrect Logic, Durations, Sequences, or Critical Path.* The CM may reject or indicate durations, sequences, critical path or logic in Trade Contractor Baseline or Updated Schedule are not acceptable and request changes. The electronic copy of the Schedules shall have adequate information so logic ties, duration, sequences and critical path may be reviewed electronically. Trade Contractor is to diligently rebuild and resubmit the Schedules to represent the Trade Contractor's plan to complete the Work and maintain Milestones at the next progress meeting, or before the next progress meeting. If Trade Contractor is not able to build a schedule that is acceptable to the CM and District, the CM and District reserve the right to build an acceptable Trade Contractor Baseline Schedule on behalf of the Trade Contractor from the information received.

8.3.2.11 *Trade Contractor Responsibility for Schedules Even if Schedule Issues Are Not Discovered.* Failure on the part of the District to discover errors or omissions in schedules submitted shall not be construed to be an approval of the error or omission and a flawed schedule is not grounds for a time extension.

8.3.2.12 *Inclusions in Trade Contractor Baseline Schedule.* In addition to Trade Contractor Baseline Scheduling requirements set forth at Article 8.3.2 and Schedule Update requirements, Trade Contractor is specifically directed to break out separately in Trade Contractor's Baseline Schedule the following items required pursuant to these General Conditions, including but not limited to:

- a. Rain Day Float (excluding inclement weather) as required under Article 8.1.5.2. For example, if the NOAA provides 22 days of Rain Days, all 22 days must be incorporated and noted in the Schedules. Further, any days requ

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ired to clean-up or dry out shall be included for operations that are likely to require a clean-up or dry out period. Days that are not utilized shall be considered float owned by the Project.

- b. Governmental Delay Float under Article 8.1.5.1. This Governmental Delay Float shall only be utilized for Governmental Delays and shall not be considered available float owned by the Project. This float shall only be distributed to the Project upon the completion of the Project and shall be used to offset Liquidated Damages and shall not generate compensable delays.
- c. Submittal and Shop Drawing schedule under Article 3.9.
- d. Deferred Approvals under Article 3.9.
- e. Time for separate and other Trade Contractors, including furniture installation and start up activities, under Article 6.1.
- f. Coordination and timing of any drawings, approvals, notifications, permitting, connection, and testing for all utilities for the Project. Article 2.1.4
- g. Testing, special events, or school activities

8.3.2.13 *Failure to include Mandatory Schedule Items.* District may withhold payment pursuant to Articles 9.3, 9.4 and 9.6. In lieu of withholding payment for failure to include Mandatory Schedule Items, after the CM has notified the Trade Contractor of failure to meet the Trade Contractor Baseline Schedule or Updated Schedule requirements and the Trade Contractor fails to correct the noted deficiencies or the Trade Contractor does not provide an updated schedule correcting the deficiencies, then Trade Contractor is deemed to have agreed to the durations and sequences set forth in the Outline Schedule and the CM created Project Baseline Schedule and Schedule Updates. In addition, Trade Contractor shall waive any consequential or delay damages or disruption damages for failure to prepare an approved Trade Contractor's Baseline Schedule, or representation of the logical sequence and durations of Trade Contractor's Work and, thus, impacts, coordination and delays have not been articulated and are not available as grounds to evaluate impacts to the Trade Contractor's anticipated Work for the Project. Trade Contractor shall not be granted an extension of time for failure to obtain necessary items and approvals under Article 8.3.2 and for the time required for failure to comply with laws, building codes, and other regulations (including Title 24 of the California Code of Regulations). Trade Contractor shall maintain all items required under Article 8.3.2 (and specifically Article 8.3.2.12) schedule items in the Project Baseline Schedule and shall be deemed responsible for delivery of the Trade Contractor Scope of Work as outlined in the Project Baseline Schedule and any Schedule updates. If the Contract Time is exceeded, then Trade Contractor shall be subject to the assessment of Liquidated Damages pursuant to Article 8.4.

8.3.2.14 *Failure to Meet Requirements.* Failure of the Trade Contractor to provide proper Trade Contractor Baseline Schedules or Trade Contractor Schedule updates as required by this Article and Article 9 is a material breach of the Contract and grounds for Termination pursuant to Article 14. The District, at its sole discretion, may choose, instead, to withhold, in whole or in part, any Progress Payments or Retention amounts otherwise payable to the Trade Contractor.

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In addition, Trade Contractor shall be deemed to have agreed to the durations and sequences set forth in the Project Baseline Schedule and Schedule Updates. In addition, Trade Contractor shall waive any consequential or delay damages or disruption damages for failure to prepare an approved Trade Contractor Baseline Schedule, or representation of the logical sequence and durations of Trade Contractor's Work and, thus, impacts, coordination and delays have not been articulated and are not available as grounds to evaluate impacts to the Trade Contractor's anticipated Work for the Project.

8.3.3 Update Schedules

8.3.3.1 *Updates Shall Be Based on Approved Project Baseline Schedule.* The Project Baseline Schedule shall be used to build future schedule updates. Schedule Updates shall be a CPM based schedule consistent with the Project Baseline Schedule requirements of 8.3.2. In the case of utilization of Article 8.3.2.13 and no Trade Contractor Baseline Schedule has been approved, Schedule updates shall be provided monthly and each update shall incorporate all comments and revisions noted as not complying with the requirements of Article 8.3.2. Trade Contractor shall be held to the Article 8.3.2.13 unapproved Baseline Schedule, inclusive of all Milestones, adjusted for comments and all required Baseline Schedule Inclusions under Article 8.3.2.12.

8.3.3.2 *Schedule Updates.* Trade Contractor shall update the Project Baseline Schedule each month to address actual start dates and durations, the percent complete on activities, actual completion dates, estimated remaining duration for the Work in progress, estimated start dates for Work scheduled to start at future times and changes in duration of Work items

8.3.3.3 *Listing of Items Causing Delays.* Schedule Updates shall provide a listing of activities which are causing delay in the progress of Work and a narrative shall be provided showing a description of problem areas, anticipated delays, and impacts on the latest approved Project Baseline Schedule. Simply stating "District Delay" or "Architect Delay" shall be an inadequate listing. Delays shall only be listed if they meet the requirements of Article 8.4.

8.3.3.4 *Recovery Schedule.* In addition to providing a Schedule update every thirty (30) days, the Trade Contractor, if requested by the Architect or District, shall take the steps necessary to improve Trade Contractor's progress and demonstrate to the District and Architect that the Trade Contractor has seriously considered how the lost time, the Completion Date, or the Milestones that are required will be met within the terms of the Contract. Trade Contractor shall immediately provide a Recovery Schedule showing how Milestones and the Completion Date will be met. In no case, shall a Recovery Schedule be provided later than ten (10) days following the request for a Recovery Schedule from the Architect or District.

- a. Failure to Provide a Recovery Schedule. Failure shall subject Trade Contractor to the assessment of Liquidated Damages for failure to meet the Contract Time. Refusal or failure to provide a Recovery Schedule shall be considered a substantial failure of performance and a material breach of Contract and may result in Termination of the Contract pursuant to Article 14.
- b. Recovery Schedule Acceleration without Additional Cost. The District may require Trade Contractor prepare a Recovery Schedule showing how the Project shall be accelerated, without any additional cost to the District. The District may order, without additional cost, the following:

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- i. Increase the number of shifts;
 - ii. Utilize overtime to recover the schedule; and/or
 - iii. Increase the days when Work occurs, including weekends, at the Project and at any manufacturer's plant.
- c. Recovery Schedule Acceleration without Additional Cost. If Trade Contractor disputes that the Recovery Schedule acceleration shall be issued without additional costs, the Trade Contractor shall submit concurrent with Recovery Schedule Acceleration notice pursuant to Articles 8.4.6 and 8.4.4.

8.4 EXTENSIONS OF TIME - LIQUIDATED DAMAGES

8.4.1 Liquidated Damages

TRADE CONTRACTOR AND DISTRICT HEREBY AGREE THAT THE EXACT AMOUNT OF DAMAGES FOR FAILURE TO COMPLETE THE WORK WITHIN THE TIME SPECIFIED IS EXTREMELY DIFFICULT OR IMPOSSIBLE TO DETERMINE. IF THE WORK IS NOT SUBSTANTIALLY COMPLETED IN THE TIME SET FORTH IN THE AGREEMENT, IT IS UNDERSTOOD THAT THE DISTRICT WILL SUFFER DAMAGES. IT BEING IMPRACTICAL AND UNFEASIBLE TO DETERMINE THE AMOUNT OF ACTUAL DAMAGE, IT IS AGREED THE TRADE CONTRACTOR SHALL PAY TO THE DISTRICT THE AMOUNT LIQUIDATED DAMAGES SET FORTH IN THE AGREEMENT, FOR EACH CALENDAR DAY OF DELAY IN REACHING SUBSTANTIAL COMPLETION (SEE ART 1.1.55). CONTRACTOR AND ITS SURETY SHALL BE LIABLE FOR THE AMOUNT THEREOF PURSUANT TO GOVERNMENT CODE SECTION 53069.85.

8.4.2 Delay

Except and only to the extent provided under Article 7 and Article 8, by signing the Agreement, Trade Contractor agrees to bear the risk of delays to completion of the Work; and that Trade Contractor's bid for the Contract was made with full knowledge of this risk.

In agreeing to bear the risk of delays to complete the Work, Trade Contractor understands that, except and only to the extent provided otherwise in Article 7 and 8, the occurrence of events that delay the Work shall not excuse Trade Contractor from its obligation to achieve Completion of the Project within the Contract Time, and shall not entitle the Trade Contractor to an adjustment to the Contract time.

8.4.3 Excusable Delay

Trade Contractor shall not be charged for Liquidated Damages because of any delays in completion of Work which are not the fault or negligence of Trade Contractor or its Subcontractors, arising from Rain Float or Project Float, including acts of God, as defined in Public Contract Code Section 7105, acts of enemy, epidemics and quarantine restrictions. Trade Contractor shall within five (5) calendar days of beginning of any such delay notify District in writing of causes of delay; thereupon District shall ascertain the facts and extent of delay and grant extension of time for completing Work when, in its judgment, the findings of fact justify such an extension. Extensions of time shall apply only to that portion of Work

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affected by delay, and shall not apply to other portions of Work not so affected. An extension of time may only be granted after proper compliance with Article 8.3 requiring preparation and submission of a properly prepared CPM schedule.

8.4.3.1 *Excusable Delay Is Not Compensable.* No extended overhead, general conditions costs, impact costs, out-of-sequence costs or any other type of compensation, by any name or characterization, shall be paid to the Trade Contractor for any delay to any activity not designated as a critical path item on the latest approved Project schedule.

8.4.3.2 *Notification.* Trade Contractor shall notify the Architect in writing of any anticipated delay and its cause, in order that the Architect may take immediate steps to prevent, if possible, the occurrence or continuance of delay, and may determine whether the delay is to be considered avoidable or unavoidable, how long it continues, and to what extent the prosecution and completion of the Work might be delayed thereby.

8.4.3.3 *Extension Request.* In the event the Trade Contractor requests an extension of Contract time for unavoidable delay, such request shall be submitted in accordance with the provisions in the Contract Documents governing changes in Work (See Article 7). When requesting time, i.e., extensions, for proposed Change Orders, they must be submitted with the proposed Change Order with full justification and documentation. If the Trade Contractor fails to submit justification with the proposed Change Order it waives its right to a time extension at a later date. Such justification must be based on the official Contract schedule as updated at the time of occurrence of the delay or execution of Work related to any changes to the scope of Work. Blanket or general claims for extra days without specific detailed information as required herein or a blanket or general reservation of rights do not fulfill the requirements of this Article and shall be denied. The justification must include, but is not limited to, the following information:

- a. The duration of the activity relating to the changes in the Work and the resources (manpower, equipment, material, etc.) required to perform these activities within the stated duration.
- b. Logical ties to the official Project Baseline Schedule or Approved Updated Schedule for the proposed changes and/or delay showing the activity/activities in the schedule whose start or completion dates are affected by the change and/or delay. (A fragment of any delay of over ten (10) days must be provided.)

Trade Contractor and District understand and expressly agree that insofar as Public Contract Code Section 7102 may apply to changes in the Work or delays under this Contract, the actual delays and damages, if any, and time extensions are intended to, and shall provide, the exclusive and full method of compensation for changes in the Work and construction delays.

8.4.4 Notice by Trade Contractor Required

Trade Contractor shall within five (5) calendar days of beginning of any delay on the Project shall notify the District in writing of causes of delay with justification and supporting documentation. In the case of a Recovery Schedule pursuant to Article 8.4.6, Contractor shall submit written notice concurrent with the Recovery Schedule. District will then ascertain the facts and extent of the delay and grant an extension of time for completing the Work when, in its judgment, the findings of fact justify such an extension. Extensions of time shall apply only to that portion of the Work affected by the delay and shall not apply to other portions of the Work not so affected.

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Claims relating to time extensions shall be made in accordance with applicable provisions of Article 7.

8.4.4.1 *Adjustment for Compensable Delays.* The Schedule may be adjusted for a delay if, and only if, Trade Contractor undertakes the following:

- a. Trade Contractor submits a timely COR or CO pursuant to the requirements of Article 7.
- b. Trade Contractor submits a fragnet showing the critical path delay caused by the COR, CO, Changed Condition, CCD, or ICD
- c. Trade Contractor has addressed all required float days in the fragnet.
- d. Trade Contractor submits a complete breakdown of all costs incurred utilizing the format of Article 7.3.3

8.4.5 No Additional Compensation for Coordinating Governmental Submittals and the Resulting Work

TRADE CONTRACTOR HAS PLANNED ITS WORK AHEAD OF TIME AND IS AWARE THAT GOVERNMENTAL AGENCIES, SUCH AS THE GAS COMPANIES, ELECTRICAL UTILITY COMPANIES, WATER DISTRICTS AND OTHER AGENCIES MAY HAVE TO APPROVE TRADE CONTRACTOR PREPARED DRAWINGS OR APPROVE A PROPOSED INSTALLATION. TRADE CONTRACTOR HAS INCLUDED DELAYS AND DAMAGES WHICH MAY BE CAUSED BY SUCH AGENCIES IN TRADE CONTRACTOR'S BID AND HAS INCLUDED ADEQUATE TIME IN THE TRADE CONTRACTOR'S BASELINE SCHEDULE. FAILURE TO ADEQUATELY PLAN AND SCHEDULE IS NOT A BASIS TO USE GOVERNMENTAL DELAY FLOAT.

8.4.6 District Right to Accelerate the Work

The District may direct the Trade Contractor to meet schedule requirements when the Work has been delayed. The District shall compensate the Trade Contractor for the additional costs incurred by acceleration to the extent that such costs are directly attributable to the acceleration and are incurred through no fault or negligence of the Trade Contractor.

8.4.6.1 *Management of Acceleration.* Trade Contractor acceleration shall not include Work that is part of the scope of Work detailed in the Plans and Specifications. Instead, the acceleration costs shall be premium or overtime and quantifiable additional work added to the Project meant to accelerate the Project. Trade Contractor is directed to keep consistent crews on the Project so time can be tracked. If crews are circulated off the Project or crews brought in only for overtime, the District may be charged for Contract Work and not accelerated time. In such case, the District may object to the costs submitted.

8.4.6.2 *Costs for Acceleration.* Cost for Acceleration shall be supported by backup documentation, and time sheets signed by the Inspector for each day work has been performed, at or near the time when the Work was performed. A listing on the time sheet shall document all labor, materials and services utilized that day and provide areas of work, and amount of work performed. Trade Contractor shall comply with submission requirements of Article 7.7.

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ARTICLE 9 PAYMENTS AND COMPLETION

9.1 CONTRACT SUM/ CONTRACT PRICE

The Contract Sum or Contract Price is stated in the Agreement and, including authorized adjustments, is the total amount payable by the District to the Trade Contractor for performance of the Work under the Contract Documents.

9.2 COST BREAKDOWN

9.2.1 Required Information

Trade Contractor shall furnish the following:

- a. Within ten (10) days after Notice to Proceed, a detailed breakdown of the Contract Price (hereinafter "Schedule of Values") for each Project, site, building, Milestone or other meaningful method to measure the level of Project Completion as determined by the District shall be submitted as a Submittal for the Project;
- e. Within ten (10) days after the date of the Notice to Proceed, a schedule of estimated monthly payment requests due the Trade Contractor showing the values and construction time of the various portions of the Work to be performed by it and by its Subcontractors or material and equipment suppliers containing such supporting evidence as to its correctness as the District may require;
- f. Within ten (10) days after the date of the Notice to Proceed, address, telephone number, telecopier number, California State Contractors License number, classification and monetary value of all subcontracts for parties furnishing labor, material, or equipment for completion of the Project.

9.2.2 Information and Preparation of Schedule of Values

9.2.2.1 *Break Down of Schedule of Values.* Schedule of Values shall be broken down by Project, site, building, Milestone, or other meaningful method to measure the level of Project Completion as determined by the District.

9.2.2.2 *Based on Trade Contractor Bid Costs.* The Schedule of Values shall be based on the costs from Trade Contractor's bid to the District. However, the submission of the Schedule of Values shall not be front loaded so the Trade Contractor is paid a greater value than the value of the Work actually performed and shall not shift funds from parts of the Project that are later to Work that is performed earlier.

9.2.2.3 Largest Dollar Value for Each Line Item. Identify Subcontractors and materials suppliers proposed to provide portions of Work equal to or greater than ten thousand dollars (\$10,000) or one-half of one percent (0.5%) of their Contract Price, whichever is less.

9.2.2.4 *Allowances.* Any Allowances provided for in the Contract shall be a line item in the Schedule of Values.

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9.2.2.5 *Labor and Materials Shall Be Separate.* Labor and Materials shall be broken into two separate line items unless specifically agreed in writing by the District.

9.2.3 District Approval Required

The District shall review all submissions received pursuant to Article 9.2 in a timely manner. All submissions must be approved by the District before becoming the basis of any payment.

9.3 PROGRESS PAYMENTS

9.3.1 Payments to Trade Contractor

Unless there is a resolution indicating that the Work for the Project is substantially complex, within thirty-five (35) days after approval of the Request for Payment, Trade Contractor shall be paid a sum equal to ninety-five percent (95%) of the value of the Work performed (as certified by Architect and Inspector and verified by Trade Contractor) up to the last day of the previous month, less the aggregate of previous payments. In the case of a Project designated substantially complex, the sum paid to the Trade Contractor shall be equal to ninety percent (90%) of the value of the Work performed (as certified by the Architect and Inspector and verified by Trade Contractor). The value of the Work completed shall be the Trade Contractor's best estimate. Work completed as estimated shall be an approximation or estimate only and no mistake, inaccuracy, error or falsification in said any approved estimate shall operate to release the Trade Contractor, or any Surety upon any bond, from damages arising from such Work, or from the District's enforcement of each and every provision of this Contract including but not limited to the Performance Bond and Payment Bond. The District shall have the right to subsequently to correct any mistake, inaccuracy, error or falsification made or otherwise set forth in any approved Request for Payment and such correction may occur in any future Payment Application or in the Retention Payment to the Trade Contractor. No Surety upon any bond shall be relieved, released or exonerated of its obligations under this Contract or any applicable bond when the District is unable to correct an overpayment to the Trade Contractor due to any abandonment by the Trade Contractor or termination by the District.

The Trade Contractor shall not be entitled to have any payment requests processed, or be entitled to have any payment made for Work performed, so long as any lawful or proper direction given by the District concerning the Work, or any portion thereof, remains incomplete.

Notwithstanding anything to the contrary stated above, the Trade Contractor may include in its Request for Payment the value of any structural steel, glue laminated beams, trusses, bleachers and other such custom-made materials prepared specifically for the Project and unique to the Project so long as all of the following requirements are satisfied:

- a. The aggregate cost of materials stored off-site shall not exceed Twenty Five Thousand Dollars (\$25,000) at any time or as otherwise agreed to be District in writing;
- b. Title to such materials shall be vested in the District as evidenced by documentation satisfactory in form and substance to the District, including, without limitation, recorded financing statements, UCC filings and UCC searches;
- c. With each Trade Contractor Request for Payment, the Trade Contractor shall submit to the District a written list identifying each location where materials are

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stored off-site (which must be a bonded warehouse) and the value of the materials at each location. The Trade Contractor shall procure insurance satisfactory to the District (in its reasonable discretion) for materials stored off-site in an amount not less than the total value thereof;

- d. The consent of any Surety shall be obtained to the extent required prior to payment for any materials stored off-site;
- e. Representatives of the District shall have the right to make inspections of the storage areas at any time; and
- f. Such materials shall be: (1) protected from diversion, destruction, theft and damage to the reasonable satisfaction of the District; (2) specifically marked for use on the Project; and (3) segregated from other materials at the storage facility.

9.3.2 Purchase of Materials and Equipment and Cost Fluctuations

The Trade Contractor is required to order, obtain, and store materials and equipment sufficiently in advance of its Work at no additional cost or advance payment from District to assure that there will be no delays. Trade Contractor understands that materials fluctuate in value and shall have adequately addressed market fluctuations through agreements with Trade Contractor's vendors or by other means. Trade Contractor further understands and incorporates into Trade Contractor's bid cost any wage rate increases during the Project for the Trade Contractor's labor force as well as all other Subcontractor and vendor labor forces. District shall not be responsible for market fluctuations in costs or labor rate increases during the Project. Trade Contractor further has incorporated any and all cost increases in areas of Work where there may be schedule variations so that cost increases are not passed through to the District.

9.3.3 No Waiver

No payment by District hereunder shall be interpreted so as to imply that District has inspected, approved, or accepted any part of the Work. Trade Contractor specifically understands Title 24 Section 4-343 which states:

"It is the duty of the contractor to complete the work covered by his or her contract in accordance with the approved Plans and Specifications therefore. The contractor in no way is relieved of any responsibility by the activities of the Architect, Engineer, Inspector or DSA in the performance of such duties... In no case, however, shall the instruction of the Architect or registered Engineer be construed to cause work to be done with is not in conformity with the approved plans, specifications, and change orders..."

Notwithstanding any payment, the District may enforce each and every provision of this Contract which includes, but is not limited to, the Performance Bond and Payment Bond. The District may correct any error subsequent to any payment. In no event shall the Trade Contractor or the Surety be released or exonerated from performance under this Contract when the District overpays the Trade Contractor based upon any mistake, inaccuracy, error or falsification in any estimate that is included in any Request for Payment.

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9.3.4 Issuance of Certificate of Payment

The Architect shall, within seven (7) days after receipt of the Trade Contractor's Application for Payment, either approve such payment or notify the Trade Contractor in writing of the Architect's reasons for withholding approval in whole or in part as provided in Article 9.6. The review of the Trade Contractor's Application for Payment by the Architect is based on the Architect's observations at the Project and the data comprising the Application for Payment that the Work has progressed to the point indicated and that, to the best of the Architect's knowledge, information, and belief, the quality of the Work is in accordance with the Contract Documents. In some cases, the Architect may act upon or rely on the evaluation of the Work by the Inspector. This review of Payment Applications is sometimes called a "Pencil Draft." District's return of a Pencil Draft shall constitute the District's dispute of the Payment Application that has been submitted. Trade Contractor shall promptly respond to Pencil Drafts or Trade Contractor's Payment Applications may be delayed. Trade Contractor's failure to promptly respond to a Pencil Draft shall qualify as a delay in the prompt payment of a Request for Payment or Request for Retention. The foregoing representations are subject to: (1) an evaluation of the Work for conformance with the Contract Documents, (2) results of subsequent tests and inspections, (3) minor deviations from the Contract Documents correctable prior to completion, and (4) specific qualifications expressed by the Architect. The issuance of a Certificate for Payment will further constitute the Trade Contractor's verified representation that the Trade Contractor is entitled to payment in the amount certified.

9.3.5 Payment of Undisputed Contract Payments

In accordance with Public Contract Code Section 7100, payments by the District to the Trade Contractor for any and all undisputed amounts (including all Progress Payments, Final Payments or Retention Payment) is contingent upon submission of a proper and accurate Payment Application and the Trade Contractor furnishing the District with a release of all Claims against the District related to such undisputed amounts. Disputed Contract Claims in stated amounts may be specifically excluded by the Trade Contractor from the operation of the release. If, however, the Trade Contractor specifically excludes any Claims, the Trade Contractor shall provide details such as a specific number of disputed days or costs of any such exclusion in accordance with Articles 4.6 and 7.7.

9.4 APPLICATIONS FOR PROGRESS PAYMENTS

9.4.1 Procedure

9.4.1.1 *Application for Progress.* On or before the fifth (5th) day of each calendar month during the progress of the Work, Trade Contractor shall submit to the Architect an itemized Application for Progress Payment for operations completed. Such application shall be notarized, if required, and supported by the following or such portion thereof as Architect requires:

1. The amount paid to the date of the Payment Application to the Trade Contractor, to all its Subcontractors, and all others furnishing labor, material, or equipment for its Contract;
2. The amount being requested under the Payment Application by the Trade Contractor on its own behalf and separately stating the amount requested on behalf of each of the Subcontractors and all others furnishing labor, material, and equipment under the Contract;

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3. The balance that will be due to each of such entities after said payment is made;
4. A certification that the As-Built Drawings and Annotated Specifications are current;
5. Itemized breakdown of Work done for the purpose of requesting partial payment;
6. An updated Project Baseline Schedule or other Schedule updates in conformance with Article 8;
7. Failure to submit a Schedule update for the month or any previous month
8. The additions to and subtractions from the Contract Price and Contract Time;
9. A summary of the Retention held;
10. Material invoices, evidence of equipment purchases, rentals, and other support and details of cost as the District may require from time to time;
11. The percentage of completion of the Trade Contractor's Work by line item; and
12. An updated Schedule of Values from the preceding Application for Payment.
13. Prerequisites for Progress Payments
14. Any other information or documents reasonably requested by the District, Architect, CM or Inspector.

9.4.1.2 *First Payment Request.* The following items, if applicable, must be completed before the first payment request will be accepted for processing:

1. Installation of the Project sign;
2. Receipt by Architect of Submittals;
3. Installation of field office;
4. Installation of temporary facilities and fencing;
5. Submission of documents listed in the Article 9.2 relating to Contract Price breakdown;
6. Preliminary schedule analysis, due within 10 days after Notice to Proceed (see Article 8.3.2);

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7. Trade Contractor's Baseline Schedule (to be CPM based in conformance with Article 8);
8. Schedule of unit prices, if applicable;
9. Submittal Schedule;
10. Copies of necessary permits;
11. Copies of authorizations and licenses from governing authorities;
12. Initial progress report;
13. Surveyor qualifications;
14. Written acceptance of District's survey of rough grading, if applicable;
15. List of all Subcontractors, with names, license numbers, telephone numbers, and scope of work;
16. All bonds and insurance endorsements or other required OCIP documents; and
17. Resumes of Trade Contractor's Project Manager, and if applicable, job site secretary, record documents recorder, and job site Superintendent.

9.4.1.3 *Second Payment Request.* The second payment request will not be processed until all Submittals and Shop Drawings have been accepted for review by the Architect.

9.4.1.4 *All Payment Requests.* No payment requests will be processed unless Trade Contractor has submitted copies of the certified payroll records for the Work which correlates to the payment request and a proper CPM schedule pursuant to Article 8 is submitted. Trade Contractor must also submit all required OCIP information and documents as set forth in the OCIP Manual and Information.

9.4.1.5 *Final Payment Application (90% or 95%).* (See Article 9.11.1)

9.4.1.6 *Final Payment Application (100%).* (See Article 9.11.3)

9.5 STOP NOTICE CLAIMS AND WARRANTY OF TITLE

Trade Contractor warrants title to all Work. Trade Contractor further warrants that all Work is free and clear of liens, claims, security interests, stop notices, or encumbrances in favor of the Trade Contractor, Subcontractors, material and equipment suppliers, or other persons or entities making a claim by reason of having provided labor, materials, and equipment relating to the Work. Failure to keep work free of liens, stop notices, claims, security interests or encumbrances is grounds to make a claim against Trade Contractor's Payment and Performance Bond to immediately remedy and defend.

If a lien or stop notice of any nature should at any time be filed against the Work or any District property, by any entity which has supplied material or services at the request of the Trade Contractor, Trade

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Contractor and Trade Contractor's Surety shall promptly, on demand by District and at Trade Contractor's and Surety's own expense, take any and all action necessary to cause any such lien or stop notice to be released or discharged immediately therefrom.

If the Trade Contractor fails to furnish to the District within ten (10) calendar days after written demand by the District, satisfactory evidence that a lien or stop notice has been so released, discharged, or secured, then District may discharge such indebtedness and deduct the amount required therefor, together with any and all losses, costs, damages, and attorney's fees and expense incurred or suffered by District from any sum payable to Trade Contractor under the Contract. In addition, any liens, stop notices, claims, security interests or encumbrances shall trigger the indemnification requirements under Article 3.16 and the Agreement Form, and shall act as a trigger under Civil Code Section 2778 and 2779 requiring reimbursement for any and all costs following the District's written demand has been made. Any withholdings by the District for stop notices in accordance with Civil Code Section 9358 shall not be a basis by the Trade Contractor to make a Claim for interest penalties under Public Contract Code Sections 7107 or 20104.50.

9.6 DECISIONS TO WITHHOLD PAYMENT

9.6.1 Reasons to Withhold Payment

The District may withhold payment in whole, or in part, to the extent reasonably necessary to protect the District if, in the District's opinion, the representations to the District required by Article 9.4 cannot be made. The District may withhold payment, in whole, or in part, to such extent as may be necessary to protect the District from loss because of, but not limited to:

- a. Defective Work not remedied;
- b. Stop notices served upon the District;
- c. Liquidated Damages assessed against the Trade Contractor;
- d. The cost of Completion of the Contract if there exists reasonable doubt that the Work can be Completed for the unpaid balance of any Contract Price or by the completion date;
- e. Damage to the District or other contractor;
- f. Unsatisfactory prosecution of the Work by the Trade Contractor;
- g. Failure to store and properly secure materials;
- h. Failure of the Trade Contractor to submit on a timely basis, proper and sufficient documentation required by the Contract Documents, including, without limitation, acceptable monthly progress schedules, Shop Drawings, Submittal schedules, Schedule of Values, Product Data and samples, proposed product lists, executed Change Order, Construction Change Documents, and verified reports;
- i. Failure of the Trade Contractor to maintain As-Built Drawings;

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- j. Erroneous estimates by the Trade Contractor of the value of the Work performed, or other false statements in a Payment Application;
- k. Unauthorized deviations from the Contract Documents (including but not limited to Unresolved Notices of Deviations (DSA Form 154));
- l. Failure of the Trade Contractor to prosecute the Work in a timely manner in compliance with established progress schedules and completion dates.
- m. Failure to properly pay prevailing wages as defined in Labor Code Section 1720, et seq.;
- n. Failure to properly maintain or clean up the Site;
- o. Payments to indemnify, defend, or hold harmless the District;
- p. Any payments due to the District including but not limited to payments for failed tests, or utilities changes or permits;
- q. Failure to submit an acceptable Schedule in accordance with Article 8;
- r. Failure to pay Subcontractor or suppliers as required by Article 9.8;
- s. Failure to secure warranties, including the cost to pay for warranties;
- t. Failure to provide releases from material suppliers or Subcontractors when requested to do so;
- u. Items deducted pursuant to Article 2.2;
- v. Incomplete Punch List items under Article 9.9 which have gone through the Article 2.2 process; or
- w. Allowances that have not been used.

9.6.2 Reallocation of Withheld Amounts

District may, in its discretion, apply any withheld amount to payment of outstanding Claims or obligations as defined in Articles 9.6 and 9.5. In so doing, District shall make such payments on behalf of Trade Contractor. If any payment is so made by District, then such amount shall be considered as a payment made under Contract by District to Trade Contractor and District shall not be liable to Trade Contractor for such payments made in good faith. Such payments may be made without prior judicial determination of Claim or obligation. District will render Trade Contractor an accounting of such funds disbursed on behalf of Trade Contractor.

If Trade Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents or fails to perform any provision thereof, District may, after ten (10) calendar days written notice to the Trade Contractor and without prejudice to any other remedy make good such deficiencies. The District shall adjust the total Contract Price by reducing the amount thereof by the cost

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of making good such deficiencies. If District deems it inexpedient to correct Work which is damaged, defective, or not done in accordance with Contract provisions, an equitable reduction in the Contract Price (of at least 150% of the estimated reasonable value of the nonconforming Work) shall be made therefor.

9.6.3 Payment After Cure

When the grounds for declining approval are removed, payment shall be made for amounts withheld because of them. No interest shall be paid on any retainage or amounts withheld due to the failure of the Trade Contractor to perform in accordance with the terms and conditions of the Contract Documents.

9.7 **NONCONFORMING WORK**

Trade Contractor shall promptly remove from premises all Work identified by District as failing to conform to the Contract whether incorporated or not. Trade Contractor shall promptly replace and re-execute its own Work to comply with the Contract without additional expense to District and shall bear the expense of making good all Work of other contractors destroyed or damaged by such removal or replacement.

If Trade Contractor does not remove such Work which has been identified by District as failing to conform to the Contract Documents within a reasonable time, fixed by written notice, District may remove it and may store the material at Trade Contractor's expense. If Trade Contractor does not pay expenses of such removal within ten (10) calendar days' time thereafter, District may, upon ten (10) calendar days' written notice, sell such materials at auction or at private sale and shall account for net proceeds thereof, after deducting all costs and expenses that should have been borne by Trade Contractor.

9.8 **SUBCONTRACTOR PAYMENTS**

9.8.1 Payments to Subcontractors

No later than ten (10) days after receipt, or pursuant to Business and Professions Code Section 7108.5, the Trade Contractor shall pay to each Subcontractor, out of the amount paid to the Trade Contractor on account of such Subcontractor's portion of the Work, the amount to which said Subcontractor is entitled. The Trade Contractor shall, by appropriate agreement with each Subcontractor, require each Subcontractor to make payments to Sub-subcontractors in a similar manner.

9.8.2 No Obligation of District for Subcontractor Payment

The District shall have no obligation to pay, or to see to the payment of, money to a Subcontractor except as may otherwise be required by law.

9.8.3 Payment Not Constituting Approval or Acceptance

An approved Request for Payment, a progress payment, a Certificate of Substantial Completion, or partial or entire use or occupancy of the Project by the District shall not constitute acceptance of Work that is not in accordance with the Contract Documents.

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9.8.4 Joint Checks

District shall have the right, if necessary for the protection of the District, to issue joint checks made payable to the Trade Contractor and Subcontractors and material or equipment suppliers. The joint check payees shall be responsible for the allocation and disbursement of funds included as part of any such joint payment. In no event shall any joint check payment be construed to create any contract between the District and a Subcontractor of any tier, any obligation from the District to such Subcontractor, or rights in such Subcontractor against the District. The District may choose to issue joint checks at District's sole discretion and only after all the requirements of that particular school district and county are specifically met. Some school districts cannot issue joint checks, so the ability to issue joint checks depends on the District and the specific circumstances.

9.9 COMPLETION OF THE WORK

9.9.1 Close-Out Procedures

9.9.1.1 *Incomplete Punch Items.* When the Trade Contractor considers the Work Substantially Complete (See Article 1.1.55 for definition of Substantially Complete), the Trade Contractor shall prepare and submit to the District a comprehensive list of minor items to be completed or corrected (hereinafter "Incomplete Punch Items" or "Punch List"). The Trade Contractor and/or its Subcontractors shall proceed promptly to complete and correct the Incomplete Punch Items listed. Failure to include an item on such list does not alter the responsibility of the Trade Contractor to complete all Work in accordance with the Contract Documents. Trade Contractor is aware that Title 24 Section 4-343(a) provides:

"RESPONSIBILITIES. IT IS THE DUTY OF THE CONTRACTOR TO COMPLETE THE WORK COVERED BY HIS OR HER CONTRACT IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS THEREFOR. THE CONTRACTOR IN NO WAY IS RELIEVED OF ANY RESPONSIBILITY BY THE ACTIVITIES OF THE ARCHITECT, ENGINEER, INSPECTOR OR DSA IN THE PERFORMANCE OF SUCH DUTIES.

9.9.1.2 *Punch List Is Prepared Only After the Project Is Substantially Complete.* If any of the conditions noted in Article 1.1.55 as defining Substantial Completion are not met, the Inspector, Architect or District may reject Trade Contractor's Incomplete Punch Items as premature. If the Architect and Inspector commence review of Incomplete Punch Items, all rights are reserved until the Project actually meets the definition of Substantially Complete. Liquidated Damages, warranties, and other contractual rights are not affected by Incomplete Punch Items unless otherwise addressed in these General Conditions.

Once the Inspector and the Architect determine the Project is Substantially Complete, a Certificate of Substantial Completion shall be issued. The Inspector and Architect shall prepare a Punch List of items which is an inspection report of the Work, if any, required in order to complete the Contract Documents and ensure compliance with the DSA Approved Plans so the Project may be completed by the Trade Contractor and a final DSA Close-Out is approved. When all Work for the Project is Complete, including Punch Lists and all Work complies with the approved Contract Documents and Change Orders, the Project has reached Final Completion.

9.9.1.3 *Punch List* is a list of minor items remaining to be completed prepared by the Design Team provided to Trade Contractors after Substantial Completion (See 1.1.55) which includes the following three (3) conditions: (1) all contractually required items have been installed; (2) All Fire/Life Safe

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ty Systems have been installed, and are working and signed off on the DSA Form 152 Inspection Card, all building systems including mechanical, electrical and plumbing are all functioning; and (3) the Project is fit for occupancy and its intended use.

9.9.1.4 *Time for Completion of Punch List.* Trade Contractor shall only be given a period of no more than thirty (30) days to complete the Punch List on the Project. During the Punch List period, the Trade Contractor's Superintendent and Project Manager shall remain engaged in the Project and shall not be removed or replaced. If the Punch List is not completed at the end of the Punch List time then Trade Contractor shall issue a valued Punch List within 5 days after the date the Punch List time ends. If Trade Contractor does not issue such a list, the District or Architect may issue a valued Punch List to the Trade Contractor and withhold up to 150% of the value of the Punch List Work pursuant to Article 2.2 of this Agreement.

Failure to issue a timely written request for additional time to complete Punch List shall result in the deletion of the remaining Punch List Work pursuant to Article 2.2 and the issuance of a Deductive Change Order.

- a. Extension of Time to Complete Punch List. If Trade Contractor cannot finish the Punch List Work during the time period allotted under Article 9.9.1.4, the Trade Contractor may make a written request for a Non-Compensable Punch List time extension accompanied by an estimate of the number of additional days it will take to complete the Punch List Work for a written consent from the District to allow continued Punch List Work. Punch List time extensions are a maximum of thirty (30) days for each request and must be accompanied by an itemized valued Punch List.
- b. If there is no valued Punch List accompanying any request or if Trade Contractor intends to undertake Punch List without the continued support and supervision of its Superintendent and Project Manager (as required under Article 3.2), the Architect, or the Design Team may issue a valued Punch List, reject the Punch List Time Extension and deduct 150% of the valued Punch List pursuant to Article 2.2 and proceed to Close-Out the Project. Trade Contractor shall cease work on the Project and proceed to complete Trade Contractor's Retention Payment Application and complete the Work for the Project required pursuant to Article 9.11.4.

9.9.1.5 *District Rejection of Written Request for Punch List Time Extensions.* Following sixty (60) Days of Punch List under Article 9.9.1.4, the District has the option of rejecting Punch List Time Extension requests. The District may proceed under Article 2.2 and deduct the value of remaining Punch List Work pursuant to Article 2.2. If the District rejects the Punch List Time Extension request then Trade Contractor shall cease Work on the Project and proceed to Final Inspection pursuant to Article 9.11.2.

9.9.1.6 *Punch List Liquidated Damages to Compensate for Added District Project Costs.* If the total time utilized for Punch List exceeds sixty (60) days [the thirty (30) day period under Article 9.9.1.4 plus an additional thirty (30) day period that has been requested in writing], and the District grants an additional written Punch List Time Extension that exceeds sixty (60) days of Punch List, then Contractor shall be charged Liquidated Damages of at least \$750 per day for continued Punch List Work to partially compensate for the Inspector, Architect, and CM's extended time on the Project. This Punch List Liqu

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idated Damage number is based on anticipated cost for an Inspector on site and additional costs for the Architect and CM to reinspect Punch List items and perform the administration of the Close-out.

Trade Contractor received thirty (30) days without any charges for Punch List Liquidated Damages and is placed on notice pursuant to this Article 9.9.1.6 that \$750 is due for each day of Punch List that exceeds sixty (60) days at \$750, a cost much lower than typical (and actual) costs for Inspection, Architect and CM time required during Punch List. Starting at ninety (90) days of Punch List (an excessive number of days to complete Punch List), the District shall be entitled to adjust Punch List Liquidated Damages to an estimate of the actual costs incurred to oversee, monitor and inspect the Punch List. If costs exceed \$750 per day, the anticipated extended contract charges for Inspection, Architect, CM, and any other costs that will be incurred due to the extended Punch List shall be itemized and a daily rate of Punch List Liquidated Damages shall be presented in writing to the Trade Contractor within five (5) days following the receipt of a written request for Punch List Time Extension by the Trade Contractor that extends the Punch List time beyond ninety (90) days. This written notice of actual Punch List Liquidated Damages may be provided to the Trade Contractor at any time following the first written request for Punch List Time extension requested under Article 9.9.1.4. The adjusted actual Punch List Liquidated Damage amount shall be applicable as Punch List Liquidated Damages commencing on the ninetieth (90th) day of Punch List.

9.9.2 Close-Out Requirements for Final Completion of the Project

- a. Utility Connections. Buildings shall be connected to water, gas, sewer, and electric services, complete and ready for use. Service connections shall be made and existing services reconnected
- b. As-Built Up to Date and Complete. The intent of this procedure is to obtain an exact "As-Built" record of the Work upon completion of the Project. The following information shall be carefully and correctly drawn on the prints and all items shall be accurately located and dimensioned from finished surfaces of building walls on all As-Built Drawings
 1. The exact location and elevations of all covered utilities, including valves, cleanouts, etc. must be shown on As-Built
 2. Trade Contractor is liable and responsible for inaccuracies in As-Built Drawings, even though they become evident at some future date.
 3. Upon completion of the Work and as a condition precedent to approval of Retention Payment, Trade Contractor shall obtain the Inspector's approval of the "As-Built" information. When completed, Trade Contractor shall deliver corrected sepias and/or a Diskette with an electronic file in a format acceptable to the District.
 4. District may withhold the cost to hire a draftsman and potholing and testing service to complete Record As-Built Drawings at substantial cost if the Trade Contractor does not deliver a complete set of Record As-Built Drawings. This shall result in withholding of between \$10,000 to \$20,000 per building that does not have a corresponding Record As -Built Drawing.

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- c. Any Work not installed as originally indicated on approved Drawings, Specifications, Addenda and other Contract Documents
- d. All DSA Close-Out requirements (See DSA Certification Guide) Trade Contractor is also specifically directed to Item 3.2 in the DSA Certification Guide and the applicable certificates for the DSA-311 form.
- e. Submission of Form 6-C. Trade Contractor shall be required to execute a Form 6-C as required under Title 24 Sections 4-343. The Trade Contractor understands that the filing with DSA of a Form 6-C is a requirement to obtain final DSA Approval of the construction by Trade Contractor and utilized to verify under penalty of perjury that the Work performed by Trade Contractor complies with the DSA approved Contract Documents. The failure to file a DSA Form 6C has two consequences. First, the Construction of the Project will not comply with the design immunity provisions of Government Code Section 830.6 and exposes the District and the individual Board members to personal liability for injuries that occur on the Project.

Secondly, under DSA IR A-20, since the Project cannot be Certified by DSA, no future or further Projects will be authorized so Trade Contractor will have essentially condemned the campus from any future modernization or addition of new classrooms through their failure to file the DSA Form 6C.

- 1. *Execution of the DSA Form 6-C is Mandatory.* Refusal to execute the Form 6-C, which is a Final DSA Verified Report that all Work performed complies with the DSA approved Contract Documents is a violation of Education Code Section 17312 and shall be referred to the Attorney General for Prosecution.
 - 2. *Referral to the District Attorney for Extortion.* If the Trade Contractor's refusal to execute the DSA Form 6C is to leverage a Dispute, Claim or litigation, then the matter shall also be referred to the District Attorney for prosecution for extortion.
 - 3. *Trade Contractor shall be Responsible for All Costs to Certify the Project.* The District may certify the Project complies with Approved Plans and Specifications by utilizing the procedures under the Project Certification Guide located at the DSA website. All costs for professionals, inspection, and testing required for an alternate Project Certification shall be the Trade Contractor's responsibility and the District reserves its right to institute legal action against the Trade Contractor and Trade Contractor's Surety for all costs to certify the Project and all costs to correct Non-Compliant Work that is discovered during the Alternate Certification Process.
- f. ADA Work that must be corrected to receive DSA certification. See Article 12.2.
 - g. Maintenance Manuals. At least thirty (30) days prior to final inspection, three (3) copies of complete operations and maintenance manuals, repair parts lists, service instructions for all electrical and mechanical equipment, and equipment warranties

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shall be submitted. All installation, operating, and maintenance information and drawings shall be bound in 8½" x 11" binders. Provide a table of contents in front and all items shall be indexed with tabs. Each manual shall also contain a list of Subcontractors, with their addresses and the names of persons to contact in cases of emergency. Identifying labels shall provide names of manufactures, their addresses, ratings, and capacities of equipment and machinery.

1. Maintenance manuals shall also be delivered in electronic media for the Project. Any demonstration videos shall also be provided on electronic media.
- h. Inspection Requirements. Before calling for final inspection, Trade Contractor shall determine that the following Work has been performed:
1. The Work has been completed;
 2. All fire/ life safety items are completed and in working order;
 3. Mechanical and electrical Work complete, fixtures in place, connected and tested;
 4. Electrical circuits scheduled in panels and disconnect switches labeled;
 5. Painting and special finishes complete;
 6. Doors complete with hardware, cleaned of protective film relieved of sticking or binding and in working order;
 7. Tops and bottoms of doors sealed;
 8. Floors waxed and polished as specified;
 9. Broken glass replaced and glass cleaned;
 10. Grounds cleared of Trade Contractor's equipment, raked clean of debris, and trash removed from Site;
 11. Work cleaned, free of stains, scratches, and other foreign matter, replacement of damaged and broken material;
 12. Finished and decorative work shall have marks, dirt and superfluous labels removed;
 13. Final cleanup, as in Article 3.13;
 14. All Work pursuant to Article 9.11; and

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15. Furnish a letter to District stating that District Representative has been instructed in working characteristics of mechanical and electrical equipment.

9.9.3 Costs of Multiple Inspections

More than two (2) requests of the District to make inspections required under Article 9.11.2 shall be considered an additional service of Architect, Inspector, Engineer or other consultants shall be the Trade Contractor's responsibility pursuant to Article 4.5 and all subsequent costs will be prepared as a Deductive Change Order.

9.10 PARTIAL OCCUPANCY OR USE

9.10.1 District's Rights

The District may occupy or use any completed or partially completed portion of the Work at any stage. The District and the Trade Contractor shall agree in writing to the responsibilities assigned to each of them for payments, security, maintenance, heat, utilities, damage to the Work, insurance, the period for correction of the Work, and the commencement of warranties required by the Contract Documents. If District and Trade Contractor cannot agree as to responsibilities such disagreement shall be resolved pursuant to Article 4.6. When the Trade Contractor considers a portion complete, the Trade Contractor shall prepare and submit a Punch List to the District as provided under Article 9.9.1.

9.10.2 Inspection Prior to Occupancy or Use

Immediately prior to such partial occupancy or use, the District, the Trade Contractor, and the Architect shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

9.10.3 No Waiver

Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.

9.11 COMPLETION AND FINAL PAYMENT

9.11.1 Final Payment (90% Billing if Substantially Complex Finding is Made and 95% Billing If No Finding is Made)

The following items must be completed before the Final Payment Application will be accepted for processing at Substantial Completion of the Project:

- a. Inspector sign-off of each item in the DSA 152 Project Inspection Card;
- b. The Project has reached the Punch List items under Article 9.9.1.2 and the Project has been determined to be Substantially Complete under Article 1.1.55;
- c. Removal of temporary facilities and services;

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- d. Testing, adjusting and balance records are complete;
- e. Removal of surplus materials, rubbish, and similar elements;
- f. Chang over of door locks;
- g. Deductive items pursuant to Article 9.6 and Article 2.2; and,
- h. Completion and submission of all final Change Orders for the Project.

9.11.2 Final Inspection (Punch List Completion)

Trade Contractor shall comply with Punch List procedures under Article 9.9.1, and maintain the presence of Project Superintendent and Project Manager (not replacement project superintendent or project manager) until the Punch List is complete to ensure proper and timely completion of the Punch List. Under no circumstances shall Trade Contractor demobilize its forces prior to completion of the Punch List.

Upon completion of the Work under Article 9.9.1, the Trade Contractor shall notify the District and Architect, who shall again inspect such Work. If the Architect and the District find the Work contained in the Punch List acceptable under the Contract Documents the Work shall have reached Final Completion. Architect shall notify Trade Contractor, who shall then submit to the Architect its Application for Retention Payment. This Application for Retention Payment shall contain any deductions under Article 9.6, including but not limited to incomplete Punch List items under Article 9.9.1.

Upon receipt and approval of Application for Retention Payment, the Architect shall issue a Form 6 stating that to the best of its knowledge, information, and belief, and on the basis of its observations, inspections, and all other data accumulated or received by the Architect in connection with the Work, such Work has been completed in accordance with the Contract Documents. The District shall thereupon inspect such Work and either accept the Work as complete or notify the Architect and the Trade Contractor in writing of reasons why the Work is not complete. Upon acceptance of the Work of the Trade Contractor as fully complete (which, absent unusual circumstances, will occur when the Punch List items have been satisfactorily completed), the District shall record a Notice of Completion with the County Recorder, and the Trade Contractor shall, upon receipt of payment from the District, pay the amounts due Subcontractors.

If the Architect and the District find that the Work contained in the Punch List is unacceptable, then Trade Contractor shall issue a valued Punch List within 5 days after the date the Punch List time ends. If Trade Contractor does not issue such a list, the District or Architect may issue a valued Punch List to the Trade Contractor and withhold up to 150% of the value of the Punch List Work pursuant to Article 2.2 of this Agreement.

9.11.3 Retainage (100% Billing for the Entire Project)

The retainage, less any amounts disputed by the District or which the District has the right to withhold pursuant to the Contract Documents (including but not limited to incomplete Punch List items under Article 9.9.1), shall be paid after approval by the District of the Application for Retention Payment, after the satisfaction of the conditions set forth in Article 9, the Final Inspection under Article 9.11.2 is completed, and after thirty-five (35) days after the acceptance of the Work and recording of the Notice of Completi

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on by District. No interest shall be paid on any retainage, or on any amounts withheld due to a failure of the Trade Contractor to perform, in accordance with the terms and conditions of the Contract Documents, except as provided to the contrary in any escrow agreement between the District and the Trade Contractor.

- a. Procedures for Application for Retention Payment. The following conditions must be fulfilled prior to release of Retention Payment:
 - i. A full and final waiver or release of all stop notices in connection with the Work shall be submitted by Trade Contractor, including a release of stop notice in recordable form, together with (to the extent permitted by law) a copy of the full and final release of all stop notice rights.
 - ii. The Trade Contractor shall have made all corrections, including all Punch List Items, to the Work which are required to remedy any defects therein, to obtain compliance with the Contract Documents or any requirements of applicable codes and ordinances, or to fulfill any of the orders or directions of District required under the Contract Documents.
 - iii. Each Subcontractor to Trade Contractor shall have delivered to the Trade Contractor all written guarantees, warranties, applications, releases from the Surety and warranty bonds (if applicable) required by the Contract Documents for its portion of the Work.
 - iv. Trade Contractor must have completed all requirements set forth in Article 9.9
 - v. Trade Contractor must have issued a Form 6C for the Project.
 - vi. The Trade Contractor shall have delivered to the District all manuals and materials required by the Contract Documents.
 - vii. The Trade Contractor shall have completed final clean up as required by Article 3.13
 - viii. Trade Contractor shall have all deductive items under Article 9.6 and Article 2.2 submitted as part of the Retention Payment.

9.11.4 Recording of a Notice of Completion After Punch List Period and Final Inspection.

When the Work, or designated portion thereof, is complete or the District has completed the Article 9.6 and/or the Article 2.2 process, whichever occurs first, the District will file either a Notice of Completion or a Notice of Completion noting valued Punch List items. Valued Punch List items will be deducted from the Retention Payment.

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During the time when Work is being performed on the Punch List, the Project does not meet the definition of “Complete” under Public Contract Code Section 7107(c)(1) even if there is “beneficial occupancy” of the Project since that has been no “cessation of labor” on the Project. Completion of Punch List under this Article is not “testing, startup, or commissioning by the public entity or its agent.” In other words, the continuing Punch List Work is Trade Contractor labor on the Project until each and every item of Punch List Work is complete or the time periods under Article 9.9.1 have expired.

9.11.5 Warranties

Warranties required by the Contract Documents shall commence on the date of Completion of the entire Work. Warranty periods DO NOT commence at Substantial Completion or when a particular Subcontractor work is complete. No additional charges, extras, Change Orders, or Claims may be sought for warranties commencing from the Notice of Completion.

District shall have the right to utilize equipment, test, and operate as necessary for acclimation, or testing without voiding or starting warranties. Taking beneficial occupancy shall not start warranties except in the case where the District agrees, in writing, that warranties shall commence running or where the District is taking phased occupancy of specific buildings or areas and completes separate Punch Lists as further addressed in Article 4.2.7.

9.11.6 Time for Submission of Application for Final Payment and Retention Payment (Unilateral Processing of Final and Retention Payment Application).

If Trade Contractor submits a Final Payment Application which fails to include deductive items under Article 9.6, the District or Architect shall note this defective request for Final Payment Application. The Trade Contractor shall be notified that specific deductive items shall be included in the Final Payment Application. If Trade Contractor either continues to submit the Final Payment Application without deductive items under Article 9.6, or a period of 14 calendar days passes after Trade Contractor is provided written notice of deductive items for inclusion in Final Payment Application, then District may either alter the Final Payment Application and recalculate the math on the Final Payment Application to address the Article 9.6 deductive items or process a unilateral Final Payment Application.

9.11.7 Unilateral Release of Retention

After the recordation of the Notice of Completion, or within sixty (60) days following the completion of the Punch List or the expiration of the time for completion of Punch List under Article 9.9.1, if Trade Contractor does not make an Application for Release of Retention, the District may unilaterally release retention less any deducts under Article 9.6 and/or Article 2.2, withholds due to stop notices, or withholdings due to other defective Work on the Project. District may also choose to unilaterally release Retention after deduction of 150% of any disputed items, which may also include items under Article 9.6 and 2.2. If a deduction pursuant to Article 9.6 is made from Retention, a letter deducting specific valued items shall be considered a notice of Default under the terms of the Escrow Agreement.

9.12 SUBSTITUTION OF SECURITIES

The District will permit the substitution of securities in accordance with the provisions of Public Contract Code Section 22300 as set forth in the form contained in the Bid Documents.

ARTICLE 10
PROTECTION OF PERSONS AND PROPERTY

10.1 SAFETY PRECAUTIONS AND PROGRAMS

10.1.1 Trade Contractor Responsibility

The Trade Contractor shall be responsible for all damages to persons or property that occur as a result of its fault or negligence in connection with the prosecution of this Contract and shall take all necessary measures and be responsible for the proper care and protection of all materials delivered and Work performed until completion and final acceptance by the District. All Work shall be solely at the Trade Contractor's risk, with the exception of damage to the Work caused by "acts of God" as defined in Public Contract Code Section 7105(b)(2).

Trade Contractor shall take, and require Subcontractor to take, all necessary precautions for safety of workers on the Work and shall comply with all applicable federal, state, local and other safety laws, standards, orders, rules, regulations, and building codes to prevent accidents or injury to persons on, about, or adjacent to premises where Work is being performed and to provide a safe and healthful place of employment. In addition to meeting all requirements of OSHA, Cal-OSHA, state, and local codes, Trade Contractor shall furnish, erect and properly maintain at all times, as directed by District or Architect or required by conditions and progress of Work, all necessary safety devices, safeguards, construction canopies, signs, audible devices for protection of the blind, safety rails, belts and nets, barriers, lights, and watchmen for protection of workers and the public, and shall post danger signs warning against hazards created by such features in the course of construction. Trade Contractor shall designate a responsible member of its organization on the Work, whose duty shall be to post information regarding protection and obligations of workers and other notices required under occupational safety and health laws, to comply with reporting and other occupational safety requirements, and to protect the life, safety and health of workers. The name and position of person so designated shall be reported to District by Trade Contractor. Trade Contractor shall correct any violations of safety laws, rules, orders, standards, or regulations. Upon the issuance of a citation or notice of violation by the Division of Occupational Safety and Health, such violation shall be corrected promptly.

10.1.2 Subcontractor Responsibility

Trade Contractor shall require that its Subcontractors participate in, and enforce, the safety and loss prevention programs established by Trade Contractor for the Project, which will cover all Work performed by the Trade Contractor and its Subcontractors. Each Trade Contractor shall designate a responsible member of its organization whose duties shall include loss and accident prevention, and who shall have the responsibility and full authority to enforce the program. This person shall attend meetings with the representatives of the various Trade Contractors to ensure that all employees understand and comply with the programs.

10.1.3 Cooperation

All Trade Contractors, Subcontractors and material or equipment suppliers shall cooperate fully with CM, Architect, the District, and all insurance carriers and loss prevention engineers.

10.1.4 Accident Reports

Subcontractors shall immediately, within two (2) days, report in writing to the Trade Contractor all accidents whatsoever arising out of, or in connection with, the performance of the Work, whether on or off the Site, which caused death, personal injury, or property damage, giving full details and statements of witnesses. In addition, if death or serious injuries or serious damages are caused, the accident shall be reported within four (4) days by telephone or messenger. Trade Contractor shall thereafter immediately, within two (2) days, report the facts in writing to the District and the Architect giving full details of the accident.

10.1.5 First-Aid Supplies at Site

The Trade Contractor will provide and maintain at the Site first-aid supplies which complies with the current Occupational Safety and Health Regulations.

10.1.6 Material Safety Data Sheets and Compliance with Proposition 65

Trade Contractor is required to have material safety data sheets available in a readily accessible place at the job site for any material requiring a material safety data sheet per the Federal "hazard communication" standard, or employees' "right-to-know law." Trade Contractor is also required to properly label any substance brought into the job site, and require that any person working with the material, or within the general area of the material, is informed of the hazards of the substance and follows proper handling and protection procedures.

Trade Contractor is required to comply with the provisions of California Health and Safety Code Section 25249, et seq., which requires the posting and giving of notice to persons who may be exposed to any chemical known to the State of California to cause cancer. Trade Contractor agrees to familiarize itself with the provisions of this Section, and to comply fully with its requirements.

10.1.7 Non-Utilization of Asbestos Material

NO ASBESTOS OR ASBESTOS-CONTAINING PRODUCTS SHALL BE USED IN THIS CONSTRUCTION OR IN ANY TOOLS, DEVICES, CLOTHING, OR EQUIPMENT USED TO EFFECT THIS CONSTRUCTION.

Asbestos and/or asbestos-containing products shall be defined as all items containing, but not limited to, chrysotile, amosite, anthophyllite, tremolite, and antinolite.

Any or all material containing greater than one-tenth of one percent (>.1%) asbestos shall be defined as asbestos-containing material.

All Work or materials found to contain asbestos or Work or material installed with asbestos-containing equipment will be immediately rejected and this Work will be removed at no additional cost to the District.

Decontamination and removal of Work found to contain asbestos or Work installed with asbestos-containing equipment shall be done only under supervision of a qualified consultant, knowledgeable in the field of asbestos abatement and accredited by the Environmental Protection Agency.

The asbestos removal contractor shall be an EPA accredited contractor qualified in the removal of asbestos and shall be chosen and approved by the asbestos consultant, who shall have sole discretion and final determination in this matter.

The asbestos consultant shall be chosen and approved by the District, who shall have sole discretion and final determination in this matter.

The Work will not be accepted until asbestos contamination is reduced to levels deemed acceptable by the asbestos consultant.

Interface of Work under this Contract with Work containing asbestos shall be executed by Trade Contractor at his risk and at his discretion, with full knowledge of the currently accepted standards, hazards, risks, and liabilities associated with asbestos work and asbestos-containing products. By execution of this Contract, the Trade Contractor acknowledges the above and agrees to hold harmless District and its assigns for all asbestos liability which may be associated with this work and agrees to instruct his employees with respect to the above-mentioned standards, hazards, risks, and liabilities.

10.2 SAFETY OF PERSONS AND PROPERTY

10.2.1 Trade Contractor

Trade Contractor shall take reasonable precautions for the safety of, and shall provide reasonable protection to prevent damage, injury, or loss to:

- a. Employees on the Work and other persons who may be affected thereby;
- b. The Work, material, and equipment to be incorporated therein, whether in storage on or off the Site, under the care, custody, or control of Trade Contractor or Trade Contractor's Subcontractors or Sub-subcontractors; and
- c. Other property at the Site or adjacent thereto such as trees, shrubs, lawns, walks, pavement, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

Trade Contractor is constructive owner of Project site as more fully discussed in Article 6.2.

10.2.2 Trade Contractor Notices

Trade Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations, and lawful orders of public authorities bearing on the safety of persons or property or their protection from damage, injury, or loss.

10.2.3 Safety Barriers and Safeguards

Trade Contractor shall erect and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations, and notifying owners and users of adjacent sites and utilities.

10.2.4 Use or Storage of Hazardous Material

When use or storage of explosives, other hazardous materials or equipment, or unusual methods are necessary for execution of the Work, Trade Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel. Trade Contractor shall notify the District any time that explosives or hazardous materials are expected to be stored on Site. Location of storage shall be coordinated with the District and local fire authorities.

10.2.5 Protection of Work

Trade Contractor and Trade Contractor's Subcontractors shall continuously protect the Work, the District's property, and the property of others, from damage, injury, or loss arising in connection with operations under the Contract Documents. Trade Contractor and Trade Contractor's Subcontractors, at their own expense, shall make good any such damage, injury, or loss, except such as may be solely due to, or caused by, agents or employees of the District.

Trade Contractor, at Trade Contractor's expense, will remove all mud, water, or other elements as may be required for the proper protection and prosecution of its Work.

Trade Contractor shall take adequate precautions to protect existing roads, sidewalks, curbs, pavements, utilities, adjoining property and structures (including, without limitation, protection from settlement or loss of lateral support), and to avoid damage thereto, and repair any damage thereto caused by construction operations. All permits, licenses, or inspection fees required for such repair Work shall be obtained and paid for by Trade Contractor.

10.2.6 Requirements for Existing Sites

Trade Contractor shall (unless waived by the District in writing):

- a. When performing construction on existing sites, become informed and take into specific account the maturity of the students on the Site; and perform Work which may interfere with school routine before or after school hours, enclose working area with a substantial barricade, and arrange Work to cause a minimum amount of inconvenience and danger to students and faculty in their regular school activities. Trade Contractor shall comply with Specifications and directives of the District regarding the timing of certain construction activities in order to avoid unnecessary interference with school functioning.
- b. Avoid performing any Work that will disturb students during testing.
- c. Provide substantial barricades around any shrubs or trees indicated to be preserved.
- d. Deliver materials to building area over route designated by Architect.
- e. Take preventive measures to eliminate objectionable dust, noise, or other disturbances.
- f. Confine apparatus, the storage of materials, and the operations of workers to limits indicated by law, ordinances, permits or directions of Architect; and not interfere

with the Work or unreasonably encumber premises or overload any structure with materials; and enforce all instructions of District and Architect regarding signs, advertising, fires, and smoking and require that all workers comply with all regulations while on the Project site.

- g. Take care to prevent disturbing or covering any survey markers, monuments, or other devices marking property boundaries or corners. If such markers are disturbed by accident, they shall be replaced by an approved land surveyor or civil engineer and all maps and records required therefrom shall be filed with county and local authorities, at no cost to the District. All filing and plan check fees shall be paid by Trade Contractor.
- h. Provide District on request with Trade Contractor's written safety program and safety plan for each site.

10.2.7 Shoring and Structural Loading

Trade Contractor shall not impose structural loading upon any part of the Work under construction or upon existing construction on or adjacent to the Site in excess of safe limits, or loading such as to result in damage to the structural, architectural, mechanical, electrical, or other components of the Work. The design of all temporary construction equipment and appliances used in construction of the Work and not a permanent part thereof, including, without limitation, hoisting equipment, cribbing, shoring, and temporary bracing of structural steel, is the sole responsibility of Trade Contractor. All such items shall conform with the requirements of governing codes and all laws, ordinances, rules, regulations, and orders of all authorities having jurisdiction. Trade Contractor shall take special precautions, such as shoring of masonry walls and temporary tie bracing of structural steel Work, to prevent possible wind damage during construction of the Work. The installation of such bracing or shoring shall not damage the Work in place or the Work installed by others. Any damage which does occur shall be promptly repaired by Trade Contractor at no cost to the District.

10.2.8 Conformance within Established Limits

Trade Contractor and Trade Contractor's Subcontractors shall confine their construction equipment, the storage of materials, and the operations of workers to the limits indicated by laws, ordinances, permits, and the limits established by the District and CM, and shall not unreasonably encumber the premises with construction equipment or materials.

10.2.9 Subcontractor Enforcement of Rules

Trade Contractor shall enforce the District's and CM's instructions, laws, and regulations regarding signs, advertisements, fires, smoking, the presence of liquor, and the presence of firearms by any person at the Site.

10.2.10 Site Access

Trade Contractor and Trade Contractor's Subcontractors shall use only those ingress and egress routes designated by the District, observe the boundaries of the Site designated by the District, park only in those areas designated by the District, which areas may be on or off the Site, and comply with any

parking control program established by the District, such as furnishing license plate information and placing identifying stickers on vehicles.

10.3 EMERGENCIES

10.3.1 Emergency Action

In an emergency affecting the safety of persons or property, the Trade Contractor shall take any action necessary, at the Trade Contractor's discretion, to prevent threatened damage, injury, or loss. Additional compensation or extension of time claimed by the Trade Contractor on account of an emergency shall be determined as provided in Article 7.

10.3.2 Accident Reports

Trade Contractor shall promptly report in writing to the District all accidents arising out of or in connection with the Work, which caused death, personal injury, or property damage, giving full details and statements of any witnesses in conformance with Article 10.1.4. In addition, if death, serious personal injuries, or serious property damages are caused, the accident shall be reported in accordance with Article 10.1.4, immediately by telephone or messenger to the District.

10.4 HAZARDOUS MATERIALS

10.4.1 Discovery of Hazardous Materials

In the event the Trade Contractor encounters or suspects the presence on the job site of material reasonably believed to be asbestos, polychlorinated biphenyl (PCB), or any other material defined as being hazardous by § 25249.5 of the California Health and Safety Code, which has not been rendered harmless, the Trade Contractor shall immediately stop Work in the area affected and report the condition to the District and the Architect in writing, whether or not such material was generated by the Trade Contractor or the District. The Work in the affected area shall not thereafter be resumed, except by written agreement of the District and the Trade Contractor, if in fact the material is asbestos, polychlorinated biphenyl (PCB), or other hazardous material, and has not been rendered harmless. The Work in the affected area shall be resumed only in the absence of asbestos, polychlorinated biphenyl (PCB), or other hazardous material, or when it has been rendered harmless by written agreement of the District and the Trade Contractor.

10.4.2 Hazardous Material Work Limitations

In the event that the presence of hazardous materials is suspected or discovered on the Site (except in cases where asbestos and other hazardous material Work in the Trade Contractor's responsibility), the District shall retain an independent testing laboratory to determine the nature of the material encountered and whether corrective measures or remedial action is required. The Trade Contractor shall not be required pursuant to Article 7 to perform without consent any Work in the affected area of the Site relating to asbestos, polychlorinated biphenyl (PCB), or other hazardous material, until any known or suspected hazardous material has been removed, or rendered harmless, or determined to be harmless by District, as certified by an independent testing laboratory and approved by the appropriate government agency.

10.4.3 Indemnification by Trade Contractor for Hazardous Material Caused by Trade Contractor

In the event the hazardous materials on the Project Site is caused by the Trade Contractor, the Trade Contractor shall pay for all costs of testing and remediation, if any, and shall compensate the District for any additional costs incurred as a result of Trade Contractor's generation of hazardous material on the Project Site. In addition, the Trade Contractor shall defend, indemnify and hold harmless District and its agents, officers, and employees from and against any and all claims, damages, losses, costs and expenses incurred in connection with, arising out of, or relating to, the presence of hazardous material on the Project Site.

10.4.4 Terms of Hazardous Material Provision

The terms of this Hazardous Material provision shall survive the completion of the Work and/or any termination of this Contract.

ARTICLE 11 INSURANCE AND BONDS

11.1 TRADE CONTRACTOR'S LIABILITY INSURANCE

11.1.1 Insurance Requirements

Before the commencement of the Work, the Trade Contractor shall purchase from and maintain in a company or companies lawfully authorized to do business in California with a financial rating of at least an A-VIII status as rated in the most recent edition of Best's Insurance Reports or as amended by the Supplementary General Conditions, such insurance as will protect the District from claims set forth below, which may arise out of or result from the Trade Contractor's Work under the Contract and for which the Trade Contractor may be legally liable, whether such Work are by the Trade Contractor, by a Subcontractor, by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable. Any required insurance shall not contain any exclusion that applies to the type of work performed by the Trade Contractor under the Contract Documents.

- a. Claims for damages because of bodily injury, sickness, disease, or death of any person District would require indemnification and coverage for employee claim;
- b. Claims for damages insured by usual personal injury liability coverage, which are sustained by a person as a result of an offense directly or indirectly related to employment of such person by the Trade Contractor or by another person;
- c. Claims for damages because of injury or destruction of tangible property, including loss of use resulting therefrom, arising from operations under the Contract Documents;
- d. Claims for damages because of bodily injury, death of a person, or property damage arising out of the ownership, maintenance, or use of a motor vehicle, all mobile equipment, and vehicles moving under their own power and engaged in the Work;
- e. Claims involving contractual liability applicable to the Trade Contractor's obligations under the Contract Documents, including liability assumed by and the indemnity and defense obligations of the Trade Contractor and the Subcontractors;
- f. Claims involving Completed Operations, Independent Contractors' coverage, and Broad Form property damage, without any exclusions for collapse, explosion, demolition, underground coverage, and excavating (XCU); and
- g. Claims involving sudden or accidental discharge of contaminants or pollutants.

11.1.2 Specific Insurance Requirements

Trade Contractor shall take out and maintain and shall require all Subcontractors, if any, whether primary or secondary, to take out and maintain:

Commercial General Liability Insurance with a combined single limit per occurrence of not less than \$2,000,000.00 or Commercial General Liability Insurance which provides limits of not less than:

- (a) Per occurrence (combined single limit) \$2,000,000.00
.....
- (b) Project Specific Aggregate (for this Project only) \$2,000,000.00
.....
- (c) Products and Completed Operations (aggregate) \$2,000,000.00
.....
- (d) Personal and Advertising Injury Limit \$1,000,000.00
.....

Insurance Covering Special Hazards

The following Special Hazards shall be covered by separate policies or endorsements/riders to the above mentioned commercial general liability insurance or property damage insurance policy or policies of insurance, in amounts as follows:

- (a) Automotive and truck where operated in amounts \$1,000,000.00
.....
- (b) Material Hoist where used in amounts \$1,000,000.00
.....
- (c) Explosion, Collapse and Underground (XCU coverage) \$1,000,000.00
.....
- (d) Pollution Legal Liability \$1,000,000.00
.....

In addition, provide Excess Liability Insurance coverage in the amount of Four Million Dollars (\$4,000,000.00). Excess Insurance policies shall be “following form” of the underlying policy coverage, terms, conditions, and provisions and shall meet all of the insurance requirements stated in this document, including, but not limited to, the additional insured, contractual liability & “insured contract” definition for indemnity, occurrence, no limitation of prior work coverage, and primary & non-contributory insurance requirements stated therein. No insurance policies maintained by the Additional Insureds, whether primary or excess, and which also apply to a loss covered hereunder, shall be called upon to contribute to a loss until the Trade Contractor’s primary and excess liability policies are exhausted.

If the Trade Contractor maintains broader coverage and/or higher limits than the minimums shown above, the District requires and shall be entitled to the broader coverage and/or the higher limits

maintained by the Trade Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage above shall be available to the District.

11.1.3 Subcontractor Insurance Requirements

The Trade Contractor shall require its Subcontractors to take out and maintain commercial general liability insurance and property damage insurance required under Article 11.1 in like amounts. A “claims made” or modified “occurrence” policy shall not satisfy the requirements of Article 11.1 without prior written approval of the District.

11.1.4 Additional Insured Endorsement Requirements

The Trade Contractor shall name, on any policy of insurance required under Article 11.1, the District, CM, Architect, Inspector, the State of California, their officers, employees, agents, volunteers and independent contractors as additional insureds. Subcontractors shall name the Trade Contractor, the District, Architect, Inspector, the State of California, their officers, employees, agents, volunteers and independent contractors as additional insureds. The Additional Insured Endorsement included on all such insurance policies shall be ISO CG 20 10 (04/13) and ISO CG 20 37 (04/13), or their equivalent as determined by the District in its sole discretion, and must state that coverage is afforded the additional insured with respect to claims arising out of operations performed by or on behalf of the insured. If the additional insureds have other insurance which is applicable to the loss, such other insurance shall be on an excess or contingent basis. The insurance provided by the Trade Contractor pursuant to 11.1 must be designated in the policy as primary to any insurance obtained by the District. The amount of the insurer’s liability shall not be reduced by the existence of such other insurance. Trade Contractor shall provide an endorsement indicating a primary coverage, non-contributing on all general liability policies by ISO CG 20 01 (04/13) or an equivalent endorsement as determined by the District in its sole discretion. Each policy of insurance required by this Article 11.1 shall state that not less than thirty (30) days’ written notice shall be given to the District prior to cancellation.

11.2 WORKERS’ COMPENSATION INSURANCE

During the term of this Contract, the Trade Contractor shall provide workers’ compensation and employer’s liability insurance for all of the Trade Contractor’s employees engaged in Work under this Contract on or at the Site of the Project and, in case any of the Trade Contractor’s Work is subcontracted, the Trade Contractor shall require the Subcontractor to provide workers’ compensation insurance for all the Subcontractor’s employees engaged in Work under the subcontract. Any class of employee or employees not covered by a Subcontractor’s insurance shall be covered by the Trade Contractor’s insurance. In case any class of employees engaged in Work under this Contract on or at the Site of the Project is not protected under the Workers’ Compensation laws, the Trade Contractor shall provide or cause a Subcontractor to provide insurance coverage for the protection of those employees not otherwise protected. The Trade Contractor shall file with the District certificates of insurance as required under Article 11.7 and in compliance with Labor Code § 3700.

Workers’ compensation limits shall be in accordance with and as required by the California Labor Code (in no event less than \$1,000,000) and employers’ liability limits shall be \$1,000,000 per accident for bodily injury or disease.

11.3 BUILDER'S RISK/ "ALL RISK" INSURANCE

11.3.1 Course-of-Construction Insurance Requirements

Trade Contractor, during the progress of the Work and until final acceptance of the Work by District upon completion of the entire Contract, shall maintain Builder's Risk, Course of Construction or similar first party property coverage issued on a replacement cost value basis consistent with the total replacement cost of all insurable Work and the existing buildings where Work is being performed for the Project included within the Contract Documents. Coverage is to insure against all risks of accidental direct physical loss, and must include, by the basic grant of coverage or by endorsement, the perils of vandalism, malicious mischief (both without any limitation regarding vacancy or occupancy), fire, sprinkler leakage, civil authority, sonic boom, earthquake, flood, collapse, wind, lightning, smoke and riot. The coverage must include debris removal, demolition, increased costs due to enforcement of building ordinance and law in the repair and replacement of damage and undamaged portions of the property, and reasonable costs for the Architect's and engineering services and expenses required as a result of any insured loss upon the Work and Project which is the subject of the Contract Documents, including completed Work and Work in progress, to the full insurable value thereof. Such insurance shall include the District and the Architect as additional named insureds, and any other person with an insurable interest as designated by the District.

The Trade Contractor shall submit to the District for its approval all items deemed to be uninsurable. The risk of the damage to the Work due to the perils covered by the "Builder's Risk/All Risk" Insurance, as well as any other hazard which might result in damage to the Work, is that of the Trade Contractor and the Surety, and no Claims for such loss or damage shall be recognized by the District nor will such loss or damage excuse the complete and satisfactory performance of the Contract by the Trade Contractor.

11.4 FIRE INSURANCE

Before the commencement of the Work, the Trade Contractor shall procure, maintain, and cause to be maintained at the Trade Contractor's expense, fire insurance on all Work subject to loss or damage by fire. The amount of fire insurance shall be sufficient to protect the Project against loss or damage in full until the Work is accepted by the District. This requirement may be waived upon confirmation by the District that such coverage is provided under the Builder's Risk Insurance being provided.

11.5 AUTOMOBILE LIABILITY

11.5.1 The District, Architect and Construction Manager, Inspectors, their directors, officers, employees, agents and volunteers shall be covered as additional insureds with respect to the ownership, operation, maintenance, use, loading or unloading of any auto owned, leased, hired or borrowed by the Contractor or for which the Contractor is responsible. Such insurance coverage shall be primary and non-contributory insurance as respects the District, Architect, Construction Manager, Project Inspector, their directors, officers, employees, agents and volunteers, or if excess, shall stand in an unbroken chain of coverage excess of the Contractor's scheduled underlying coverage. Any insurance or self-insurance maintained by the District, Architect, Construction Manager, Project Inspector, their directors, officers, employees, agents and volunteers shall be excess of the Contractor's insurance and shall not be called upon to contribute with it. The insurer shall agree to waive all rights of subrogation against the District, Architect,

Construction Manager, Project Inspector, their directors, officers, employees, agents and volunteers for losses paid under the terms of the insurance policy that arise from Work performed by the Contractor.

11.5.2 Insurance Services Office Business Auto Coverage Form Number CA 0001, Code 1 (any auto) is required. Comprehensive Automobile Liability insurance to include all autos, owned, non-owned, and hired, with limits of \$1,000,000 per accident for bodily injury and property damage.

11.6 OTHER INSURANCE

The Trade Contractor shall provide all other insurance required to be maintained under applicable laws, ordinances, rules, and regulations.

11.7 PROOF OF INSURANCE

The Trade Contractor shall not commence Work nor shall it allow any Subcontractor to commence Work under this Contract until all required insurance and certificates have been obtained and delivered in duplicate to the District for approval subject to the following requirements:

- a. Certificates and insurance policies shall include the following clause:
“This policy and any coverage shall not be suspended, voided, non-renewed, canceled, or reduced in required limits of liability or amounts of insurance or coverage until notice has been mailed via certified mail to the District and CM. Date of cancellation or reduction may not be less than thirty (30) days after the date of mailing notice.”
- b. Certificates of insurance shall state in particular those insured, the extent of insurance, location and operation to which the insurance applies, the expiration date, and cancellation and reduction notices.
- c. Certificates of insurance shall clearly state that the District and the Architect are named as additional insureds under the policy described and that such insurance policy shall be primary to any insurance or self-insurance maintained by District.
- d. The Trade Contractor and its Subcontractors shall produce a certified copy of any insurance policy required under this Section upon written request of the District.
- e. Certificates of insurance will not be considered valid unless accompanied by all corresponding and necessary endorsement(s) as required by this Article 11.

11.8 COMPLIANCE

In the event of the failure of Trade Contractor to furnish and maintain any insurance required by this Article 11, the Trade Contractor shall be in default under the Contract. Compliance by Trade Contractor with the requirement to carry insurance and furnish certificates or policies evidencing the same shall not relieve the Trade Contractor from liability assumed under any provision of the Contract Documents, including, without limitation, the obligation to defend and indemnify the District and the Architect.

11.9 WAIVER OF SUBROGATION

Trade Contractor waives (to the extent permitted by law) any right to recover against the District for damages to the Work, any part thereof, or any and all claims arising by reason of any of the foregoing, but only to the extent that such damages and/or claims are covered by property insurance and only to the extent of such coverage (which shall exclude deductible amounts) by insurance actually carried by the District.

Trade Contractor shall provide an endorsement indicating a waiver of subrogation on all general liability policies by ISO CG 24 04 (05/09) or an equivalent endorsement as determined by the District in its sole discretion. Trade Contractor shall provide an endorsement indicating a waiver of subrogation on all workers' compensation policies by form WC 00 03 13 (04/84).

The provisions of this Section are intended to restrict each party to recovery against insurance carriers only to the extent of such coverage and waive fully and for the benefit of each, any rights and/or claims which might give rise to a right of subrogation in any insurance carrier. The District and the Trade Contractor shall each obtain in all policies of insurance carried by either of them, a waiver by the insurance companies thereunder of all rights of recovery by way of subrogation for any damages or claims covered by the insurance.

11.10 PERFORMANCE AND PAYMENT BONDS

11.10.1 Bond Requirements

Unless otherwise specified in the Supplemental Conditions, prior to commencing any portion of the Work, the Trade Contractor shall furnish separate Payment and Performance Bonds for its portion of the Work which shall cover 100% faithful performance of and payment of all obligations arising under the Contract Documents and/or guaranteeing the payment in full of all claims for labor performed and materials supplied for the Work. All bonds shall be provided by a corporate Surety authorized and admitted to transact business in California as sureties.

To the extent, if any, that the Contract Price is increased in accordance with the Contract Documents, the Trade Contractor shall, upon request of the District, cause the amount of the bonds to be increased accordingly and shall promptly deliver satisfactory evidence of such increase to the District. To the extent available, the bonds shall further provide that no change or alteration of the Contract Documents (including, without limitation, an increase in the Contract Price, as referred to above), extensions of time, or modifications of the time, terms, or conditions of payment to the Trade Contractor will release the Surety. If the Trade Contractor fails to furnish the required bonds, the District may terminate the Contract for cause.

11.10.2 Surety Qualification

Only bonds executed by admitted Surety insurers as defined in Code of Civil Procedure § 995.120 shall be accepted. Surety must be a California-admitted Surety and listed by the U.S. Treasury with a bonding capacity in excess of the Project cost.

11.10.3 Alternate Surety Qualifications

If a California-admitted Surety insurer issuing bonds does not meet these requirements, the insurer will be considered qualified if it is in conformance with § 995.660 of the California Code of Civil Procedure and proof of such is provided to the District.

ARTICLE 12
UNCOVERING AND CORRECTION OF WORK

12.1 COMPLIANCE WITH TITLE 24 INSTALLATION REQUIREMENTS

Trade Contractor is aware of the requirements governing Trade Contractor's Work under title 24 Section 4-343 which provides, in pertinent part:

4-343. Duties of the Contractor.

(a) **Responsibilities.** It is the duty of the contractor to complete the work covered by his or her contract in accordance with the approved Plans and Specifications therefore. The contractor in no way is relieved of any responsibility by the activities of the architect, engineer, Inspector or DSA in the performance of such duties.

(b) **Performance of the Work.** The contractor shall carefully study the approved Plans and Specifications and shall plan a schedule of operations well ahead of time. If at any time it is discovered that Work is being done which is not in accordance with the approved Plans and Specifications, the contractor shall correct the Work immediately. All inconsistencies or items which appear to be in error in the Plans and Specifications shall be promptly called to the attention of the architect or registered engineer, through the Inspector, for interpretation or correction. In no case, however, shall the instruction of the architect or registered engineer be construed to cause Work to be done which is not in conformity with the approved Plans, Specifications, and Change Orders. The contractor must notify the Project Inspector, in advance, of the commencement of construction of each and every aspect of the Work.

12.1.1 Issuance of Notices of Non-Compliance

The Inspector may issue a Notice of Non-Compliance on the Project indicating deviation from Plans and Specifications. It is Trade Contractor's responsibility to correct all deviations from the approved Plans and Specifications unless the District has issued an Immediate Change Directive. In such case, the Trade Contractor shall proceed with the Work with the understandings of the District as set forth in the ICD and as specifically noted in Article 7.3.

12.2 SPECIAL NOTICE OF AMERICANS WITH DISABILITIES ACT

Some of the requirements in the Plans and Specifications are meant to comply with the Americans with Disabilities Act ("ADA"). The requirements of the ADA are technical in nature and may appear to be minor in nature (i.e. whether a walkway or ramp has a 2% cross-slope). Trade Contractor is warned that even the slightest deviation from the specific requirements from the ADA is considered a Civil Rights violation and subjects the District to fines of three times actual damages sustained by a handicap individual or up to \$4,000 per violation and attorney's fees required to enforce the ADA violation. As a result of the significant liability and exposure associated with ADA aspects of the Contract, Trade Contractor shall take special care to meet all ADA requirements detailed in the Plans and Specifications. Failure to comply with ADA rules that results in a Notice of Non-Compliance shall be repaired to meet ADA requirements promptly. In addition, any ADA violations that are not identified by Inspector or Architect that are later identified shall be repaired and charged back to the Trade Contractor through a Deductive Change Order.

12.2.1 Indemnification of ADA Claims

Trade Contractor shall indemnify, hold harmless and defend the District from ADA claims arising from the failure to comply with the Plans and Specifications. Further, any withholdings for ADA violations under Article 9.6 shall include potential redesign costs and an accelerated repair costs due to the potential for ADA claims arising from DSA posting of ADA violations on the Project.

12.3 UNCOVERING OF WORK

12.3.1 Uncovering Work for Required Inspections

Work shall not be covered without the Inspector's review and the Architect's knowledge that the Work conforms with the requirements of the approved Plans and Specifications (except in the case of an ICD under Article 7.3). Inspector must be timely notified of inspections and of new areas so Work can be inspected at least 48 hours before opening a new area (For example, see DSA Form 156 for Commencement/Completion of Work Notification which requires "at least 48 hour" advance notification of a new area). An Inspector must comply with DSA protocols for signing each category or phase of Work under DSA Form 152 (in compliance with the Form 152 Manual) or a Notice of Deviation (DSA Form 154) will be issued requiring the Work that was not inspected be uncovered for inspection. Thus, if a portion of the Work is covered without inspection or Architect approval, is subject to a Notice of Non-Compliance for being undertaken without inspection, or otherwise not in compliance with the Contract Documents, after issuance of a Written Notice of Non-Compliance (Form 154) or a written notice to uncover Work, Trade Contractor shall promptly uncover all Work (which includes furnishing all necessary facilities, labor, and material) for the Inspector's or the Architect's observation and such Work shall be replaced at the Trade Contractor's expense without change in the Contract Sum or Time.

12.3.2 Costs for Inspections Not Required

If a portion of the Work has been covered is believed to be Non-Conforming to the Plans and Specifications, even if the Form 152 for the category of Work has been signed by the Inspector, the Inspector or the Architect may request to see such Work, and it shall be promptly uncovered by the Trade Contractor. If such Work is in accordance with the Contract Documents, costs of uncover and replacement shall, by appropriate Change Order and shall, be charged to the District. If such Work is not in accordance with Contract Documents, the Trade Contractor shall be responsible for all costs to uncover the Work, delays incurred to uncover the Work, and Trade Contractor shall pay all costs to correct the Non-Conforming construction condition unless the condition was caused by the District or a separate contractor, in which event the District shall be responsible for payment of such costs to the Trade Contractor.

12.4 CORRECTION OF WORK

12.4.1 Correction of Rejected Work

The Trade Contractor shall promptly correct the Work rejected by the Inspector or the District upon recommendation of the Architect as failing to conform to the requirements of the Contract Documents, whether observed before or after Completion and whether or not Fabricated, installed, or completed. The Trade Contractor shall bear costs of correcting the rejected Work, including cost for delays that may be incurred by other Trade Contractor or Subcontractors, the cost for additional testing, inspections, and compensation for the Inspector's or the Architect's services and expenses made necessary

thereby (including costs for preparing a CCD, DSA CCD review fees, and additional inspection and special inspection costs).

12.4.2 One-Year Warranty Corrections

If, within one (1) year after the date of Completion of the Work or a designated portion thereof, or after the date for commencement of warranties established under Article 9.11.5 or by the terms of an applicable special warranty required by the Contract Documents, any of the Work is found to be not in accordance with the requirements of the Contract Documents, the Trade Contractor shall correct it promptly after receipt of written notice from the District to do so unless the District has previously given the Trade Contractor a written acceptance of such condition. This period of one (1) year shall be extended with respect to portions of the Work first performed after Completion by the period of time between Completion and the actual performance of the Work. This obligation under this Article 12.4.2 shall survive acceptance of the Work under the Contract and Termination of the Contract. The District shall give such notice promptly after discovery of the condition.

12.4.3 District's Rights if Trade Contractor Fails to Correct

If the Trade Contractor fails to correct nonconforming Work within a reasonable time, the District may correct the Work and seek a Deductive Change Order, pursuant to Article 9.6 or Article 2.2.

**ARTICLE 13
MISCELLANEOUS PROVISIONS**

13.1 GOVERNING LAW

The Contract shall be governed by the law of the place where the Project is located.

13.2 SUCCESSORS AND ASSIGNS

The District and the Trade Contractor respectively bind themselves, their partners, successors, assigns, and legal representatives to the other party hereto and to partners, successors, assigns, and legal representatives of such other party in respect to covenants, agreements, and obligations contained in the Contract Documents. Neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make such an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

13.3 WRITTEN NOTICE

In the absence of specific notice requirements in the Contract Documents, written notice shall be deemed to have been duly served if delivered in person to the individual, member of the firm or entity, or to an officer of the corporation for which it was intended, or if delivered at or sent by registered or certified mail to the last business address known to the party giving notice.

13.4 RIGHTS AND REMEDIES

13.4.1 Duties and Obligations Cumulative

Duties and obligations imposed by the Contract Documents and rights and remedies available thereunder shall be in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law.

13.4.2 No Waiver

No action or failure to act by the Inspector, the District, or the Architect shall constitute a waiver of a right or duty afforded them under the Contract Documents, nor shall such action or failure to act constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed in writing.

13.5 TESTS AND INSPECTIONS

13.5.1 Compliance

Tests, inspections, and approvals of portions of the Work required by the Contract Documents will comply with Division 1, Title 24, and with all other laws, ordinances, rules, regulations, or orders of public authorities having jurisdiction.

13.5.2 Independent Testing Laboratory

The District will select and pay an independent testing laboratory to conduct all tests and inspections. Selection of the materials required to be tested shall be made by the laboratory or the District's representative and not by the Trade Contractor. See Articles 3.14.1 and 4.3.6 regarding costs or expenses of inspection or testing incurred outside of the Project Site.

13.5.3 Advance Notice to Inspector

The Trade Contractor shall notify the Inspector a sufficient time in advance of its readiness for required observation or inspection so that the Inspector may arrange for same. The Trade Contractor shall notify the Inspector a sufficient time in advance of the manufacture of material to be supplied under the Contract Documents which must, by terms of the Contract Documents, be tested in order that the Inspector may arrange for the testing of the material at the source of supply.

13.5.4 Testing Off-Site

Any material shipped by the Trade Contractor from the source of supply, prior to having satisfactorily passed such testing and inspection or prior to the receipt of notice from said Inspector that such testing and inspection will not be required, shall not be incorporated in the Work.

13.5.5 Additional Testing or Inspection

If the Inspector, the Architect, the District, or public authority having jurisdiction determines that portions of the Work require additional testing, inspection, or approval not included under Article 13.5.1, the Inspector will, upon written authorization from the District, make arrangements for such additional testing, inspection, or approval. The District shall bear such costs except as provided in Articles 13.5.6 and 13.5.7.

13.5.6 Costs for Retesting

If such procedures for testing, inspection, or approval under Articles 13.5.1 and 13.5.2 reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, the Trade Contractor shall bear all costs arising from such failure, including those of re-testing, re-inspection, or re-approval, including, but not limited to, compensation for the Architect's services and expenses. Any such costs shall be paid by the District, invoiced to the Trade Contractor, and deducted from the next Progress Payment.

13.5.7 Costs for Premature Test

In the event the Trade Contractor requests any test or inspection for the Project and is not completely ready for the inspection, the Trade Contractor shall be invoiced by the District for all costs and expenses resulting from that testing or inspection, including, but not limited to, the Inspector's and Architect's fees and expenses, and the amount of the invoice shall be deducted from the next Progress Payment.

13.6 TRENCH EXCAVATION

13.6.1 Trenches Greater Than Five Feet

Pursuant to Labor Code Section 6705, if the Contract Price exceeds \$25,000 and involves the excavation of any trench or trenches five (5) feet or more in depth, the Trade Contractor shall, in advance of excavation, submit to the District or a registered civil or structural engineer employed by the District or Architect, a detailed plan showing the design of shoring for protection from the hazard of caving ground during the excavation of such trench or trenches.

13.6.2 Excavation Safety

If such plan varies from the Shoring System Standards established by the Construction Safety Orders, the plan shall be prepared by a registered civil or structural engineer, but in no case shall such plan be less effective than that required by the Construction Safety Orders. No excavation of such trench or trenches shall be commenced until said plan has been accepted by the District or by the person to whom authority to accept has been delegated by the District.

13.6.3 No Tort Liability of District

Pursuant to Labor Code § 6705, nothing in this Article shall impose tort liability upon the District or any of its employees.

13.6.4 No Excavation without Permits

The Trade Contractor shall not commence any excavation Work until it has secured all necessary permits including the required CAL OSHA excavation/shoring permit. Any permits shall be prominently displayed on the Site prior to the commencement of any excavation.

13.7 WAGE RATES, TRAVEL, AND SUBSISTENCE

13.7.1 Wage Rates

Pursuant to the provisions of Article 2 (commencing at § 1720), Chapter 1, Part 7, Division 2, of the Labor Code, the District has obtained the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work in the locality in which this public works project is to be performed for each craft, classification, or type of worker needed for this Project from the Director of the Department of Industrial Relations (“Director”). These rates are on file at the administrative office of the District and are also available from the Director of the Department of Industrial Relations. Copies will be made available to any interested party on request. The Trade Contractor shall post a copy of such wage rates at appropriate, conspicuous, weatherproof points at the Site.

Any worker employed to perform Work on the Project, but such Work is not covered by any classification listed in the published general prevailing wage rate determinations or per diem wages determined by the Director of the Department of Industrial Relations, shall be paid not less than the minimum rate of wages specified therein for the classification which most nearly corresponds to the employment of such person in such classification.

13.7.2 Holiday and Overtime Pay

Holiday and overtime work, when permitted by law, shall be paid for at the rate set forth in the prevailing wage rate determinations issued by the Director of the Department of Industrial Relations or at least one and one-half (1½) times the specified basic rate of per diem wages, plus employer payments, unless otherwise specified in the Contract Documents or authorized by law.

13.7.3 Wage Rates Not Affected by Subcontracts

The Trade Contractor shall pay and shall cause to be paid each worker engaged in the execution of the Work on the Project not less than the general prevailing rate of per diem wages determined by the Director, regardless of any contractual relationship which may be alleged to exist between the Trade Contractor or any Subcontractor and such workers.

13.7.4 Per Diem Wages

The Trade Contractor shall pay and shall cause to be paid to each worker needed to execute the Work on the Project per diem wages including, but not limited to, employer payments for health and welfare, pensions, vacation, travel time and subsistence pay as provided for in Labor Code §1773.1.

13.7.5 Forfeiture and Payments

Pursuant to Labor Code §1775, the Trade Contractor shall forfeit to the District, not more than Two Hundred Dollars (\$200.00) for each calendar day, or portion thereof, for each worker paid less than the prevailing wages rates as determined by the Director of the Department of Industrial Relations, for the work or craft in which the worker is employed for any Work done under the Agreement by the Trade Contractor or by any Subcontractor under it. The amount of the penalty shall be determined by the Labor Commissioner and shall be based on consideration of: (1) whether the Trade Contractor or Subcontractor's failure to pay the correct rate of per diem wages was a good faith mistake and, if so, the error was promptly and voluntarily corrected upon being brought to the attention of the Trade Contractor or Subcontractor; and (2) whether the Trade Contractor or Subcontractor has a prior record of failing to meet its prevailing wage obligations.

13.7.6 Monitoring and Enforcement by Labor Commissioner

Monitoring and enforcement of the prevailing wage laws and related requirements will be performed by the Labor Commissioner/ Department of Labor Standards Enforcement (DLSE). The Contractor and all Subcontractors shall be required to furnish, at least "monthly" as defined by Labor Code section 1771.4(a)(3)(A)(i), certified payroll records directly to the Labor Commissioner in accordance with Labor Code section 1771.4. All payroll records shall be furnished in an electronic format and in the manner required by the Labor Commissioner. The Contractor and all Subcontractors must sign up for, and utilize, the Labor Commissioner's electronic certified payroll records submission system. The District will have direct and immediate access to all CPRs for the Project that are submitted through the Labor Commissioner's system. The District can use this information for any appropriate purpose, including monitoring compliance, identifying suspected violations, and responding to Public Records Act requests.

The Labor Commissioner/ DLSE may conduct various compliance monitoring and enforcement activities including, but not limited to, confirming the accuracy of payroll records, conducting worker interviews, conducting audits, requiring submission of itemized statements prepared in accordance

with Labor Code section 226, and conducting random in-person inspections of the Project site ("On-Site Visits"). On-Site Visits may include inspections of records, inspections of the Work site and observation of work activities, interviews of workers and others involved with the Project, and any other activities deemed necessary by the Labor Commissioner/DLSE to ensure compliance with prevailing wage requirements. The Labor Commissioner/DLSE shall have free access to any construction site or other place of labor and may obtain any information or statistics pertaining to the lawful duties of the Labor Commissioner/DLSE.

Any lawful activities conducted or any requests made by the Labor Commissioner/DLSE shall not be the basis for any delays, claims, costs, damages or liability of any kind against the District by the Contractor. Contractor and all Subcontractors shall cooperate and comply with any lawful requests by the Labor Commissioner/ DLSE. The failure of the Labor Commissioner, DLSE, or any other entity related to the Department of Industrial Relations to comply with any requirement imposed by the California Code of Regulations, Title 8, Chapter 8 shall not of itself constitute a defense to the failure to pay prevailing wages or to comply with any other obligation imposed by Division 2, Part 7, Chapter 1 of the Labor Code.

Prior to commencing any Work on the Project, the Contractor shall post the required notice/poster required under the California Code of Regulations and Labor Code section 1771.4 in both English and Spanish at a conspicuous, weatherproof area at the Project site. The required notice/poster is available on the Labor Commissioner's website.

13.8 RECORDS OF WAGES PAID

13.8.1 Payroll Records

- a. Pursuant to §1776 of the Labor Code, the Trade Contractor and Subcontractor shall keep an accurate payroll record showing the name, address, social security number, work classification and straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed by him or her in connection with the Project.
- b. All payroll records as specified in Labor Code §1776 of the Trade Contractor and all Subcontractors shall be certified and furnished directly to the Labor Commissioner in accordance with Labor Code §1771.4(a)(3) once every thirty (30) days while Work is being performed on the Project and within thirty (30) days after the final day of Work performed on the Project (or more frequently if required by the District or the Labor Commissioner). The Trade Contractor and all Subcontractors shall submit their own payroll records to the Labor Commissioner on the internet website of the Department of Industrial Relations and such payroll records shall be in an electronic format prescribed by the Labor Commissioner. Pursuant to Labor Code §1771.4(a)(3)(B), the Trade Contractor and any Subcontractor who fails to furnish payroll records in accordance with Labor Code §1771.4(a)(3), relating to their own employees, shall be subject to a penalty by the Labor Commissioner. The amount of the penalty shall be One Hundred Dollars (\$100.00) for each calendar day in which such party is in violation of Labor Code §1771.4(a)(3), not to exceed a total penalty of Five Thousand Dollars (\$5,000.00) per project. Payroll records as specified in Labor Code §1776 shall also be certified and submitted to the District with each application for payment.

All payroll records shall be available for inspection at all reasonable hours at the principal office of the Trade Contractor on the following basis:

1. A certified copy of an employee's payroll record shall be made available for inspection or furnished to the employee or his or her authorized representative on request.
 2. A certified copy of all payroll records shall be made available for inspection or furnished upon request to a representative of District, the Division of Labor Standards Enforcement or the Division of Apprenticeship Standards of the Department of Industrial Relations.
 3. A certified copy of all payroll records shall be made available upon request by the public for inspection or for copies thereof. However, a request by the public shall be made through the District, the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement. If the requested payroll records have not been provided pursuant to Paragraph (2) above, the requesting party shall, prior to being provided the records, reimburse the costs, according to law for the preparation by the Trade Contractor, Subcontractor(s), and the entity through which the request was made. The public shall not be given access to such records at the principal office of the Trade Contractor.
- c. The certified payroll records shall be on forms provided by the Division of Labor Standards Enforcement or shall contain the same information as the forms provided by the Division of Labor Standards Enforcement.
 - d. The Trade Contractor or Subcontractor(s) shall file a certified copy of all payroll records with the entity that requested such records within 10 calendar days after receipt of a written request.
 - e. Any copy of records made available for inspection as copies and furnished upon request to the public or any public agency by the District, the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement shall be marked or obliterated to prevent disclosure of an individual's name, address and social security number. The name and address of the Trade Contractor awarded the Contract or the Subcontractor(s) performing the Contract shall not be marked or obliterated. Any copy of records made available for inspection by, or furnished to, a joint labor-management committee established pursuant to the federal Labor Management Cooperation Act of 1978 (Section 175a of Title 29 of the United States Code) shall be marked or obliterated only to prevent disclosure of an individual's name and social security number. Notwithstanding any other provision of law, agencies that are included in the Joint Enforcement Strike Force on the Underground Economy established pursuant to Section 329 of the Unemployment Insurance Code and other law enforcement agencies investigating violations of law shall, upon request, be provided non-redacted copies of certified payroll records.

- f. The Trade Contractor shall inform the District of the location of all payroll records, including the street address, city and county, and shall, within five business days, provide a notice of a change of location and address.
- g. The Trade Contractor or Subcontractor(s) shall have 10 calendar days in which to comply subsequent to receipt of a written notice requesting payroll records. In the event that the Trade Contractor or Subcontractor(s) fails to comply within the 10-day period, the Trade Contractor or Subcontractor(s) shall, as a penalty to the District, forfeit One Hundred Dollars (\$100.00) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement, these penalties shall be withheld from progress payments then due.

Responsibility for compliance with this Article shall rest upon the Trade Contractor.

13.8.2 Withholding of Contract Payments & Penalties

The District may withhold or delay contract payments to the Trade Contractor and/or any Subcontractor if:

- a. The required prevailing rate of per diem wages determined by the Director of the Department of Industrial Relations is not paid to all workers employed on the Project; or
- b. The Trade Contractor or Subcontractor(s) fail to submit all required certified payroll records to the Labor Commissioner in accordance with Labor Code §1771.4(a)(3); or
- c. The Trade Contractor or its Subcontractor(s) fail to submit all required certified payroll records with each application for payment, but not less than once per month; or
- d. The Trade Contractor or its Subcontractor(s) submit incomplete or inadequate payroll records; or
- e. The Trade Contractor or its Subcontractor(s) fail to comply with the Labor Code requirements concerning apprentices; or
- f. The Trade Contractor or Its Subcontractor(s) fail to comply with any applicable state laws governing workers on public works projects.

13.9 APPRENTICES

13.9.1 Apprentice Wages and Definitions

All apprentices employed by the Trade Contractor to perform services under the Contract shall be paid the standard wage paid to apprentices under the regulations of the craft or trade for which he or she is employed, and as determined by the Director of the Department of Industrial Relations, and shall be employed only at the craft or trade to which he or she is registered. Only apprentices, as defined in

§3077 of the Labor Code, who are in training under apprenticeship standards that have been approved by the Chief of the Division of Apprenticeship Standards and who are parties to written apprenticeship agreements under Chapter 4 (commencing with §3070) of Division 3, are eligible to be employed under this Contract. The employment and training of each apprentice shall be in accordance with the apprenticeship standards and apprentice agreements under which he or she is training, or in accordance with the rules and regulations of the California Apprenticeship Council.

13.9.2 Employment of Apprentices

Trade Contractor agrees to comply with the requirements of Labor Code §1777.5. The Trade Contractor awarded the Project, or any of Trade Contractor's Subcontractor under him or her, when performing any of the Work under the Contract or subcontract, employs workers in any apprenticeable craft or trade, the Trade Contractor and its Subcontractor shall employ apprentices in the ratio set forth in Labor Code §1777.5. The Trade Contractor or any Subcontractor must apply to any apprenticeship program in the craft or trade that can provide apprentices to the Project site for a certificate approving the contractor or subcontractor under the apprenticeship standards for the employment and training of apprentices in the area or industry affected. However, the decision of the apprenticeship program to approve or deny a certificate shall be subject to review by the Administrator of Apprenticeship. The apprenticeship program or programs, upon approving the Trade Contractor or Subcontractor, shall arrange for the dispatch of apprentices to the Trade Contractor or Subcontractor upon the Trade Contractor's or Subcontractor's request. "Apprenticeable craft or trade" as used in this Article means a craft or trade determined as an apprenticeable occupation in accordance with the rules and regulations prescribed by the California Apprenticeship Council. The ratio of work performed by apprentices to journeyman employed in a particular craft or trade on the Project shall be in accordance with Labor Code §1777.5.

13.9.3 Submission of Contract Information

Prior to commencing Work on the Project, the Trade Contractor and Subcontractors shall submit contract award information to the applicable apprenticeship program(s) that can supply apprentices to the Project and make the request for the dispatch of apprentices in accordance with the Labor Code. The information submitted shall include an estimate of journeyman hours to be performed under the Contract, the number of apprentices proposed to be employed, and the approximate dates the apprentices would be employed. A copy of this information shall also be submitted to the District if requested. Within 60 days after concluding Work on the Project, the Trade Contractor and Its Subcontractors shall submit to the District, if requested, and to the apprenticeship program a verified statement of the journeyman and apprentice hours performed on the Project.

13.9.4 Apprentice Fund

The Trade Contractor or any of its Subcontractor under him or her, who, in performing any of the Work under the Contract, employs journeymen or apprentices in any apprenticeable craft or trade shall contribute to the California Apprenticeship Council the same amount that the Director determines is the prevailing amount of apprenticeship training contributions in the area of the Project. The Trade Contractor and its Subcontractors may take as a credit for payments to the California Apprenticeship Council any amounts paid by the Trade Contractor or its Subcontractor to an approved apprenticeship program that can supply apprentices to the Project. The Trade Contractor and its Subcontractors may add the amount of the contributions in computing his or her bid for the Contract.

13.9.5 Trade Contractor Compliance

The responsibility of compliance with Article 13 and §1777.5 of the Labor Code for all apprenticeable occupations is with the Trade Contractor. Any Trade Contractor or Subcontractor that knowingly violates the provisions of this Article or Labor Code §1777.5 shall be subject to the penalties set forth in Labor Code §1777.7.

13.10 ASSIGNMENT OF ANTITRUST CLAIMS

13.10.1 Application

Pursuant to Government Code § 4551, in entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, the Trade Contractor or Subcontractor offers and agrees to assign to the District all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act, (15 U.S.C. § 15) or under the Cartwright Act (Chapter 2 [commencing with § 16700] of Part 2 of Division 7 of the Business and Professions Code), arising from the purchase of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders Retention Payment to the Trade Contractor, without further acknowledgment by the parties. If the District receives, either through judgment or settlement, a monetary recovery for a cause of action assigned under Chapter 11 (commencing with § 4550) of Division 5 of Title 1 of the Government Code, the assignor shall be entitled to receive reimbursement for actual legal costs incurred and may, upon demand, recover from the District any portion of the recovery, including treble damages, attributable to overcharges that were paid by the assignor but were not paid by the District as part of the bid price, less the expenses incurred in obtaining that portion of the recovery.

13.10.2 Assignment of Claim

Upon demand in writing by the assignor, the District shall, within one (1) year from such demand, reassign the cause of action assigned pursuant to this Article if the assignor has been or may have been injured by the violation of law for which the cause of action arose and the District has not been injured thereby or the District declines to file a court action for the cause of action.

13.11 STATE AND DISTRICT CONDUCTED AUDITS

Pursuant to and in accordance with the provisions of Government Code § 10532, or any amendments thereto, all books, records, and files of the District, the Trade Contractor, or any Subcontractor connected with the performance of this Contract involving the expenditure of state funds in excess of Ten Thousand Dollars (\$10,000.00), including, but not limited to, the administration thereof, shall be subject to the examination and audit of the Office of the Auditor General of the State of California for a period of five (5) years after Retention Payment is made or a Notice of Completion is Recorded, whichever occurs first. Trade Contractor shall preserve and cause to be preserved such books, records, hard drives, electronic media, and files for the audit period.

Pursuant to the remedies under Public Contract Code Section 9201 and Government Code Section 930.2, Trade Contractor, through execution of this Agreement, also agrees the District shall have the right to review and audit, upon reasonable notice, the books and records of the Trade Contractor concerning any monies associated with the Project. The purpose of this "Audit" is to quickly and efficiently resolve Disputes and Claims based on the actual costs incurred and to reduce the uncertainty in resolving

Disputes and Claims with limited information. The District shall perform any audits at its own cost and any such audit shall be performed by an independent auditor, having no direct or indirect relationship with the functions or activities being audited or with the business conducted by the Trade Contractor or District. In the event the independent auditor determines that Change Orders, response to Request for Proposals, Disputes, Claims, or other requests for payment are in error, or has any other concerns or questions, the Auditor shall report the results of the Audit findings to the District and provide a copy to the Trade Contractor after giving the District Board the opportunity for at least 10 days review. If the Trade Contractor disputes the findings of the independent auditor, such dispute shall be handled in the manner set forth under Article 4.6.2.

If Trade Contractor having agreed to the terms of this Contract fails to produce books or records requested by Auditor, such failure to produce books or records that were required to be preserved for audit, it shall be presumed that the information contained in the withheld books or records were unfavorable to the Trade Contractor and the Auditor shall note this refusal in the results of the Audit findings for further evaluation by the District and the District's Board. The refusal to release records that are concerning monies associated with the Project may be used as a grounds to debar the Trade Contractor under Article 15 for failure to preserve records under Article 13.11 and the failure to produce required audit records may also be used as a grounds for a negative finding against the Trade Contractor depending on the significance of the records that are withheld by Trade Contractor. Failure to produce job cost data tied to job cost categories and budgets shall be presumed an intentional failure to produce key audit records. Similarly, failure to produce Daily Reports (prepared at or near the time of the Work actually took place (See Article 3.16) shall be presumed an intentional failure to produce key audited records.

If Trade Contractor is seeking costs for inefficiency, home office overhead, or unanticipated increased costs due to delays or acceleration, Trade Contractor shall also produce copies of the original bid tabulation utilized in submitting Trade Contractor's bid for the Project. This document shall be considered confidential and shall not be subject to disclosure through a Public Records Act and shall not be distributed to anyone other than the District and the District's counsel. This bid tabulation shall only be used in litigation, arbitration, evaluation of Claims or Disputes, Audit, and trial. If the records for the bid tabulation are kept on a computer, the Trade Contractor shall also produce all metadata (in native format) that accompanies the bid tabulation for inspection to prove the authenticity of the underlying bid tabulation. Failure to produce the bid tabulation for review of inefficiency, home office overhead, or unanticipated increased costs due to delays or accelerations shall be considered material evidence that the bid tabulation was not favorable to the Trade Contractor. This evidence shall be entered as a jury instruction for trial that the bid tabulation was not produced and the bid tabulation information was unfavorable to the Trade Contractor. The evidence may also be used in debarment proceedings, and noted as an exception to the Audit findings.

Upon notification of Trade Contractor concerning the results of the audit and a reasonable time has passed for Trade Contractor to respond to the Audit findings and if either there is no Dispute of the Audit findings under Article 4.6 or if the result after utilizing the Disputes Clause confirms the Audit findings, the District may seek reimbursement for overstated Disputes, Claims, or Change Orders, and may also undertake debarment proceedings under Article 15 of these General Conditions.

13.12 STORM WATER POLLUTION PREVENTION

13.12.1 Application

This Section addresses the preparation, implementation and monitoring of a Storm Water Pollution Prevention Plan (SWPPP) for the purpose of preventing the discharge of pollutants from the construction site. This includes the elimination of pollution discharges such as improper dumping, spills or leakage from storage tanks or transfer areas. The District will not issue a Notice to Proceed until Trade Contractor has prepared by a qualified individual and obtained approval of the Permit Registration Documents (“PRDs”) that include a Notice of Intent, Construction Risk Calculation, Site Map, SWPPP, Annual Fee and any additional required documents from all applicable Local Governing Agencies including the Regional Water Quality Control Board. The Trade Contractor shall also secure a certification that the Project has met all of the conditions of the General Construction Activity Storm Water Permit (GCASP) and comply with all applicable local, state and federal regulations governing storm water pollution prevention.

13.12.2 References and Materials

- California Stormwater Quality Association New Development and Redevelopment Best Management Practice Handbook
- 2009 California Stormwater Quality Association Construction BMP Handbook.
- State Water Resources Control Board (2009). Order 2009-0009-DWQ, NPDES General Permit No. CAS000002: Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction and Land Disturbing Activities. Available on-line at:
- http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml.- Use materials of a class, grade and type needed to meet the performance described in the BMP Handbook.

13.12.3 Preparation and Approval

The Trade Contractor shall prepare by a qualified individual the PRDs that include a Notice of Intent, Construction Risk Calculation, Site Map, SWPPP, Annual Fee and any additional required documents. The Trade Contractor’s Qualified SWPPP Developer (“QSD”) shall prepare the Storm Water Pollution Prevention Plan (SWPPP) as required to comply with storm water pollution regulations for project sites with storm water discharges associated with construction activity such as clearing or demolition, grading, excavation and other land disturbances. The SWPPP shall apply to all areas that are directly related to construction activity, including but not limited to staging areas, storage yards, material borrow areas, and access roads.

13.12.3.1 The Trade Contractor shall prepare and submit to the Local Governing Agencies and the District the SWPPP for review and approval if the project sites, new or existing, with land disturbance of 1 or more acres (or less than 1 acres if part of a common plan of development); the construction activity that results in land surface disturbances of less than one acre is part of a larger common plan of development or sale of one or more acres of disturbed land surface; or the construction activity associated with Linear Underground/Overhead Projects (“LUPs”) including, but not limited to, those activities necessary for the installation of underground and overhead linear facilities (e.g., conduits,

substructures, pipelines, towers, poles, cables, wires, connectors, switching, regulating and transforming equipment and associated ancillary facilities) and include, but are not limited to, underground utility mark-out, potholing, concrete and asphalt cutting and removal, trenching, excavation, boring and drilling, access road and pole/tower pad and cable/wire pull station, substation construction, substructure installation, construction of tower footings and/or foundations, pole and tower installations, pipeline installations, welding, concrete and/or pavement repair or replacement, and stockpile/borrow locations.

13.12.3.2 The Trade Contractor shall also pay annual renewal fee(s) until the contract is completed and make all such checks payable to the State Water Resources Control Board. The Notice of Intent must be submitted at least two weeks prior to the commencement of construction activities.

13.12.3.3 The Trade Contractor shall prepare the SWPPP by following the format in Sections 2, 3, 4 and Appendices A through F of the California Stormwater BMP Handbook - Construction, January 2009 edition, published by the California Stormwater Quality Association. The publication is available from:

California Stormwater
Quality Association
P.O. Box 2105
Menlo Park, CA 94026-2105
Phone: (650) 366-1042
E-mail: info@casqa.org

or

<https://www.casqa.org/store/products/tabid/154/p-167-construction-handbookportal-initial-subscription.aspx>

13.12.3.4 Where land disturbance is less than 1 acre, any BMPs indicated in the BMP Handbook needed to prevent or minimize storm water pollution shall be implemented at no extra cost to the District.

13.12.3.5 Within two weeks after Award of Contract by the District, the Trade Contractor shall submit to the District's Civil Engineer one copy of the PRDs including the SWPPP for review. After the District's approval, the Trade Contractor shall provide approved copies of the SWPPP as follows: one copy each to the Project Inspector, Construction Manager, Architect, Commissioned Architect and District's Civil Engineer.

13.12.4 Implementation

The Trade Contractor shall implement the Storm Water Pollution Prevention Plan by doing the following:

- a. Obtain a Waste Discharger Identification (WDID) number from the SWRCB before beginning construction. This number will be issued once your PRDs are administratively accepted and fee is received.
- b. Keep the SWPPP, REAPs, monitoring data on the construction site.
- c. Employ a Qualified SWPPP Practitioner (QSP) to implement the SWPPP during construction and develop Rain Event Action Plans (“REAPs”).
- d. Install, inspect, maintain and monitor BMPs required by the General Permit.
- e. Install perimeter controls prior to starting other construction work at the site.
- f. Contain on-site storm water at the jobsite. Do not drain on-site water directly into the storm drain.
- g. Implement the SWPPP.
- h. Provide SWPPP and BMP implementation training for those responsible for implementing the SWPPP.
- i. Designate trained personnel for the proper implementation of the SWPPP.
- j. Conduct monitoring, as required, and assess compliance with the Numeric Action Levels (NALs) or Numeric Effluent Limitations (NELs) appropriate to your project.
- k. Report monitoring data:
 1. Maintain a paper or electronic copy of all required records for three years from the date generated or date submitted, whichever is last. These records must be available at the construction site until construction is completed.
 2. Have a QSD revise the SWPPP as needed to reflect the phases of construction and to suit changing site conditions and instances when properly installed systems are ineffective.
 3. Assist the District with entering any necessary data or information into the Stormwater Multi-Application and Reporting System (“SMARTS”) system.
- l. At the end of Construction Contract.

1. Submit Notice of Termination (NOT) into the SMARTS when construction is complete and conditions of termination listed in the NOT have been satisfied. A copy of the NOT can be found at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml.
2. Leave in place storm water pollution prevention controls needed for post-construction storm water management and remove those that are not needed as determined by the District. Thereafter, left-in-place controls will be maintained by the District.
3. Provide Site Monitoring Reports, SWPPP revisions, Compliance Certifications and related documents to the District. Post-construction storm water operation and management plan as mentioned in the compliance certifications are considered to be in place at the end of the Construction Contract.

13.12.5 Monitoring

The Trade Contractor shall conduct examination of storm water pollution prevention controls as required by the State Water Resources Control Board (2009). Order 2009-0009-DWQ, NPDES General Permit No. CAS000002: Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction and Land Disturbing Activities. This includes properly qualified personnel performing all required monitoring, testing, inspections and monitoring. The Trade Contractor shall also conduct examination of storm water pollution prevention controls, as well as before and after each storm event in compliance with the State Water Resources Control Board Order No. 2009-0009-DWQ, National Pollutant Discharge Elimination System General Permit No. CAS000002, Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction and Land Disturbance Activities (General Permit) (SWRCB, 2009).and at least once each 24-hour period during extended storm events to identify BMP effectiveness and implement repairs or BMP changes as soon as feasible. All maintenance related to a storm event should be completed within 48 hours of the storm event. The Contactor shall also prepare and maintain, at the jobsite, a log of each inspection using Site Monitoring Report forms.

13.12.6 Liabilities and Penalties

- a. Review of the SWPPP and inspection logs by the District shall not relieve the Trade Contractor from liabilities arising from non-compliance with storm water pollution regulations.
- b. Payment of penalties for non-compliance by the Trade Contractor shall be the sole responsibility of the Trade Contractor and will not be reimbursed by the District.
- c. Compliance with the Clean Water Act pertaining to construction activity is the sole responsibility of the Trade Contractor. For any fine(s) levied against the District due to non-compliance by the Trade Contractor, the District will deduct from the final payment due the Trade Contractor the total amount of the fine(s) levied on the District, plus legal and associated costs.

- d. The Trade Contractor shall submit to the District a completed NOI for change of information (Construction Site Information and Material Handling/Management Practices).

ARTICLE 14
TERMINATION OR SUSPENSION OF THE CONTRACT

14.1 TERMINATION BY THE DISTRICT FOR CAUSE

14.1.1 Grounds for Termination

The District may terminate the Trade Contractor and/or this Contract for the following reasons:

- a. Persistently or repeatedly refuses or fails to supply enough properly skilled workers or proper materials;
- b. Persistently or repeatedly is absent, without excuse, from the job site;
- c. Fails to make payment to Trade Contractor's Subcontractors, suppliers, materialmen, etc.;
- d. Persistently disregards laws, ordinances, rules, regulations, or orders of a public authority having jurisdiction;
- e. Fails to provide a schedule or fails or refuses to update schedules required under the Contract;
- f. Falls behind on the Project and refuses or fails to undertake a recovery schedule;
- g. If the Trade Contractor has been debarred from performing Work
- h. Becomes bankrupt or insolvent, including the filing of a general assignment for the benefit of creditors; or
- i. Otherwise is in substantial breach of a provision of the Contract Documents.

14.1.2 Notification of Termination

When any of the above reasons exist, the District may, without prejudice to any other rights or remedies of the District and after giving the Trade Contractor and the Trade Contractor's Surety written notice of seven (7) days, terminate the Trade Contractor and/or this Contract and may, subject to any prior rights of the Surety:

- a. Take possession of the Project and of all material, equipment, tools, and construction equipment and machinery thereon owned by the Trade Contractor;
- b. Accept assignment of Subcontracts. Trade Contractor acknowledges and agrees that if the District (in its sole and absolute discretion) decides to takeover completion of the Project, the Trade Contractor agrees to immediately assign all subcontracts to the District which the District has chosen to accept;

- c. Complete the Work by any reasonable method the District may deem expedient, including contracting with a replacement contractor or contractors; and,
- d. Agree to accept a takeover and completion arrangement with Surety that is acceptable to the District Board.

14.1.3 Takeover and Completion of Work after Termination for Cause

A Termination for Cause is an urgent matter which requires immediate remediation since Project Work is open and incomplete, the site is subject to vandalism and theft, the Project site is considered a public nuisance, and there is a possibility of injury and deterioration of the Project Work and materials. Thus, the District shall be entitled to enter a takeover contract to either remediate the unfinished condition or complete the Work for this Project.

14.1.4 Payments Withheld

If the District terminates the Contract for one of the reasons stated in Article 14.1.1, the Trade Contractor shall not be entitled to receive further payment until the Work is complete. All costs associated with the termination and completion of the Project shall be the responsibility of the Trade Contractor and/or its Surety.

14.1.5 Payments upon Completion

If the unpaid balance of the Contract Sum exceeds costs of completing the Work, including compensation for professional services and expenses made necessary thereby, such excess shall be paid to the Trade Contractor. If such costs exceed the unpaid balance, the Trade Contractor and its Surety shall pay the difference to the District. The amount to be paid to the Trade Contractor, or District, as the case may be, shall be certified by the Architect upon application. This payment obligation shall survive completion of the Contract.

14.1.6 Conversion of Termination Upon Determination by Any Court or Other Tribunal

In the event the Contract or Trade Contractor's performance of the Contract is terminated under Article 14.1.1, and it is finally determined by an arbitrator, court, jury or other tribunal having jurisdiction, for any reason, that the Trade Contractor was not in default under the provisions hereof, or that District's exercise of its rights under Article 14.1.1 was defective, deficient, ineffective, invalid or improper for any reason, the termination shall be deemed a Termination for Convenience by District and thereupon, the rights and obligations of District and the Trade Contractor shall be determined in accordance with Article 14.2.1 hereof.

14.2 TERMINATION OF CONTRACT BY DISTRICT (TRADE CONTRACTOR NOT AT FAULT)

14.2.1 Termination for Convenience

District may terminate the Contract upon fifteen (15) calendar days of written notice to the Trade Contractor and use any reasonable method the District deems expedient to complete the Project, including contracting with replacement contractor or contractors, if it is found that reasons beyond the control of either the District or Trade Contractor make it impossible or against the District's interest to

complete the Project. In such a case, the Trade Contractor shall have no Claims against the District except for: (1) the actual cost for approved labor, materials, and services performed in accordance with the Contract Documents which have not otherwise been previously paid for and which are supported and documented through timesheets, invoices, receipts, or otherwise; and (2) profit and overhead of ten percent (10%) of the approved costs in item (1); and (3) termination cost of five percent (5%) of the approved costs in item (1). Trade Contractor acknowledges and agrees that if the District (in its sole and absolute discretion) decides to takeover completion of the Project, the Trade Contractor agrees to immediately assign all subcontracts to the District which the District has chosen to accept.

14.2.2 Non-Appropriation of Funds/ Insufficient Funds

In the event that sufficient funds are not appropriated to complete the Project or the District determines that sufficient funds are not available to complete the Project, District may terminate or suspend the completion of the Project at any time by giving written notice to the Trade Contractor. In the event that the District exercises this option, the District shall pay for any and all work and materials completed or delivered onto the site for which value is received, and the value of any and all work then in progress and orders actually placed which cannot be canceled up to the date of notice of termination. The value of work and materials not otherwise already paid for by the District up to the time of termination under this Paragraph shall include a factor of fifteen percent (15%) for the Trade Contractor's overhead and profit and there shall be no other costs or expenses paid to Trade Contractor. All work, materials and orders paid for pursuant to this provision shall become the property of the District. District may, without cause, order Trade Contractor in writing to suspend, delay or interrupt the Project in whole or in part for such period of time as District may determine. Adjustment shall be made for increases in the cost of performance of the Agreement caused by suspense, delay or interruption.

14.3 REMEDIES OTHER THAN TERMINATION

If a default occurs, the District may, without prejudice to any other right or remedy, including, without limitation, its right to terminate the Contract pursuant to Article 14.1, do any of the following:

- a. Permit the Trade Contractor to continue under this Contract, but make good such deficiencies or complete the Contract by whatever method the District may deem expedient, and the cost and expense thereof shall be deducted from the Contract Price or paid by the Trade Contractor to the District on demand;
- b. If the workmanship performed by the Trade Contractor is faulty or defective materials are provided, erected or installed, then the District may order the Trade Contractor to remove the faulty workmanship or defective materials and to replace the same with work or materials that conform to the Contract Documents, in which event the Trade Contractor, at its sole costs and expense, shall proceed in accordance with the District's order and complete the same within the time period given by the District in its notice to the Trade Contractor; or
- c. Initiate procedures to declare the Trade Contractor a non-responsible bidder for a period of two (2) to five (5) years thereafter.

All amounts expended by the District in connection with the exercise of its rights hereunder shall accrue interest from the date expended until paid to the District at the maximum legal rate. The District may retain or withhold any such amounts from the Contract Price. If the Trade Contractor is ordered to

replace any faulty workmanship or defective materials pursuant to Paragraph (b) above, the Trade Contractor shall replace the same with new work or materials approved by the Architect and the District, and, at its own cost, shall repair or replace, in a manner and to the extent the Architect and the District shall direct, all Work or material that is damaged, injured or destroyed by the removal of said faulty workmanship or defective material, or by the replacement of the same with acceptable work or materials. In no event shall anything in this Paragraph be deemed to constitute a waiver by the District of any other rights or remedies that it may have at law or in equity, it being acknowledged and agreed by the Trade Contractor that the remedies set forth in this Paragraph are in addition to, and not in lieu of, any other rights or remedies that the District may have at law or in equity.

GENERAL CONDITIONS

ARTICLE 15 DEBARMENT

15.1 DEBARMENT MEANS THERE HAS BEEN A FINDING THAT THE TRADE CONTRACTOR IS NOT RESPONSIBLE.

During the course of the Project, or if it is determined through Change Orders, Claims, or Audit that a Trade Contractor is not responsible, the District may, in addition to other remedies provided in the Contract, debar the Trade Contractor from bidding or proposing on, or being awarded, and/or performing work on District contracts for a specified period of time, which generally will not exceed five (5) years, but may exceed five (5) years or be permanent if the circumstances warrant such debarment. In addition to the debarment proceeding, a finding that a Trade Contractor is to be debarred shall result in the termination of any or all existing Contracts the Trade Contractor may have with the District.

15.2 BOARD FINDING

The District may debar a Trade Contractor if the Board, or the Board's delagatee, in its discretion, finds the Trade Contractor has done any of the following:

- 15.2.1 Intentionally or with reckless disregard, violated any term of the Contract with the District
- 15.2.2 Committed an acts or omission which reflects on the Trade Contractor's quality, fitness or capacity to perform Work for the District;
- 15.2.3 Committed an act or offense which indicates a lack of business integrity or business honesty; or,
- 15.2.4 Made or submitted a false claim against the District or any other public entity.

15.3 HEARING & PRESENTATION OF EVIDENCE

If there is evidence that the Trade Contractor may be subject to debarment, the District shall notify the Trade Contractor in writing of the evidence which is the basis for the proposed debarment and shall advice the Trade Contractor of the scheduled date for a debarment hearing before the District Board or its designee.

The District Board, or designee, shall conduct a hearing where evidence on the proposed debarment is presented. The Trade Contractor or the Trade Contractor's representative shall be given an opportunity to submit evidence at the hearing. The Trade Contractor shall be provided an adequate amount of time to prepare and object to evidence presented. A tentative proposed decision shall be issued as a tentative decision and the District shall be entitled to modify, deny or adopt the proposed decision. The proposed decision shall contain a recommendation regarding whether the Trade Contractor should be debarred, and, if so, the appropriate length of time of the debarment. The Trade Contractor and the District shall be provided an opportunity to object to the tentative proposed decision for a period of 15 days. If additional evidence is presented, the District shall evaluate this evidence and either issue an amended ruling, issue the same ruling, or call a further hearing.

GENERAL CONDITIONS

If a Trade Contractor has been debarred for a period of longer than five (5) years, that Trade Contractor may after the debarment has been in effect for at least five (5) years, submit a written request for review of the debarment determination to reduce the period of debarment or terminate the debarment. The District may, in its discretion, reduce the period of debarment or terminate the debarment if it finds that the Trade Contractor has adequately demonstrated one or more of the following: (1) elimination of the grounds for which the debarment was imposed; (2) a bona fide change in ownership or management; (3) material evidence discovered after debarment was imposed; or (4) any other reason that is in the best interests of the District.

The District will consider a request for review of a debarment determination only where: (1) the Trade Contractor has been debarred for a period longer than five (5) years; (2) the debarment has been in effect for at least five (5) years; and (3) the request is in writing, states one or more of the grounds for reduction of the debarment period or termination of the debarment, and includes supporting documentation. Upon receiving an appropriate request, the District will provide notice of the hearing on the request. At the hearing, the District shall review evidence on the proposed reduction of debarment period. This hearing shall be conducted and the request for review decided by the District pursuant to the same procedures as for a debarment hearing.

The District's proposed decision shall contain a recommendation on the request to reduce the period of debarment or terminate the debarment.

The terms shall also apply to Subcontractors of Trade Contractors.

SUPPLEMENTARY GENERAL CONDITIONS

The following supplements modify the General Conditions. Where a portion of the General Conditions is modified and or deleted by these Supplementary Conditions, the unaltered portions of the General Conditions shall remain in effect.

ARTICLE 8 – TIME

Article 8 Schedule Inclusion Requirements – The Trade Contractor Baseline Schedule shall include the following Milestone Schedule:

- Parking lot must remain operation during the school year.
- Demolition and replacement of the parking lot to be done during the summer (Non school days)

Article 7.7.2.B.iii delete this Article and replace with the following:

7.7.2.B.iii Tool and Equipment Rental. No payment will be made for the use of tools which have a replacement value of **\$1,000** or less.

Article 8.2.2 Performance During Working Hours – delete this Article and replace with the following:

8.2.2 Where a single shift is worked, eight (8) consecutive hours between 7 am and 4 pm shall constitute a work day at the applicable prevailing wage rate(s).

Article 8.2.2 Performance During Working Hours – delete this Article and replace with the following:

8.2.2 Forty (40) hours between Monday and Friday shall constitute a work week at the applicable prevailing wage rate(s);

Article 8.4.1 Liquidated Damages – Trade Contractor will be liable to District for Liquidated Damages pursuant to Article 8.4 for each calendar day of delay in the amount set forth in the Agreement Form. Liquidated Damages will be assets at \$2,500 per calendar day.

ARTICLE 11 – INSURANCE AND BONDS

Article 11.3 Trade Contractor is not required to provide Builders Risk under this Article.

Article 11.10 Performance and Payment Bonds – The number of executed copies of the Performance Bond and the Payment Bond required is three (3).

SUPPLEMENTARY GENERAL CONDITIONS

Division 1 Forms

IMMEDIATE CONSTRUCTION CHANGE DIRECTIVE NO.

PROJECT: _____

TO: _____

You are hereby directed to provide the extra work necessary to comply with this ICD.

DESCRIPTION OF CHANGE: _____

COST (This cost shall not be exceeded): _____

TIME FOR COMPLETION: _____

NOTE:

Pursuant to Article 7.3.1.2 An Immediate Change Directive is a written order to the Trade Contractor prepared by the Architect and signed by the District, CM and the Architect, directing a change in the Work and stating a proposed basis for adjustment, if any, in the Contract Sum or Contract Time, or both. The District may by ICD, without invalidating the Contract, direct immediate changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions within. If applicable, the Contract Sum and Contract Time will be adjusted accordingly. TRADE CONTRACTOR SHALL PROCEED WITH WORK SET FORTH IN THIS ICD IMMEDIATELY UPON RECEIPT OR THE DISTRICT MAY EITHER HOLD THE TRADE CONTRACTOR IN EITHER PARTIAL DEFAULT PURSUANT TO ARTICLE 2.2 OR TOTAL DEFAULT PURSUANT TO ARTICLE 14.

Architect

SUPPLEMENTARY GENERAL CONDITIONS

District

SUPPLEMENTARY GENERAL CONDITIONS

CERTIFICATE OF SUBSTANTIAL COMPLETION

PROJECT: _____

TO: _____

As the Architect for the Project described above, the Project has reached Substantial Completion as defined in Article 1.1.55 of the General Conditions of the Contract. Substantial Completion is not reached unless and until each of the following three (3) conditions have been met: (1) all contractually required items have been installed with the exception of only minor and Incomplete Punch Items (See Article 9.9 of the General Conditions); (2) All Fire/Life Safety Systems have been installed, and are working and signed off on the DSA Form 152 Inspection Card, all building systems including mechanical, electrical and plumbing are all functioning; and (3) the Project is fit for occupancy and its intended use

I certify that the Project has reached Substantial Completion as defined above on the following date:

_____.

Architect

**GENERAL SCOPE OF WORK AND PROVISIONS
(APPLICABLE TO ALL BID PACKAGES)**

SECTION 01 10 10 - 00
SUMMARY OF WORK

1. GENERAL

1.1. SUMMARY

The General Scope of Work and Provisions Section is applicable to all Bid Packages and outlines the standard requirements that must be performed on a daily basis. In case of conflict between the General Scope of Work and Provisions and the Bid Package Specific Scope of Work, the most stringent shall apply.

1.2. RELATED DOCUMENTS AND PROVISIONS

TRADE CONTRACTOR shall review all Contract Documents for applicable provisions related to the provisions in this document, including without limitation:

1.2.1. General Conditions;

1.2.2. Special Conditions;

1.2.3. Submittals; and

1.2.4. Temporary Facilities and Controls.

1.3. SUMMARY OF WORK COVERED BY CONTRACT DOCUMENTS

1.3.1. Work of the total Project is planned to be accomplished by dividing the total work amongst the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime TRADE CONTRACTORS are referred to herein as "Trade TRADE CONTRACTOR" or "TRADE CONTRACTOR".

1.3.2. Demolition of existing and reconstruction of new outdoor athletic facilities including buildings and site work, earthwork and utilities, lighted synthetic turf sports fields, fencing, landscaping, irrigation, bleachers and press box and construction necessary for the **Elsinore Elementary School New Administration Building Increment 1 Project.**

1.4. CONTRACTS

Each BID PACKAGE or TRADE CONTRACTOR shall Perform the Work under a single, fixed-price Contract.

1.5. WORK BY OTHERS

The Plans may make reference to “By Others” in which various design disciplines are referring to other disciplinary sheets (Fire Sprinkler to Plumbing, Structural and Architectural, etc.). This shall not mean that work is being performed “By Others”. The entirety of the project, with the exception of Owner Furnished Owner Installed equipment, shall collectively be performed by the TRADE CONTRACTORS. TRADE CONTRACTORS shall refer to all Specification Section 10 10 10 Summary of Work.

1.6. CODES, REGULATIONS, AND STANDARDS

1.6.1. The codes, regulations, and standards adopted by the State and federal agencies having jurisdiction shall govern minimum requirements for the Project. Where codes, regulations, and standards conflict with the Contract Documents, these conflicts shall be brought to the immediate attention of the District and the Architect.

1.6.2. Codes, regulations, and standards are as published effective as of date of bid opening, unless otherwise specified or indicated.

1.7. EXAMINATION OF EXISTING CONDITIONS

1.7.1. TRADE CONTRACTOR shall be held to have examined the Project Site and acquainted itself with the conditions of the Site or of the streets or roads approaching the Site.

1.7.2. Prior to commencement of their Work, TRADE CONTRACTOR shall survey the Site, existing buildings and new improvements to observe existing damage and defects such as cracks, sags, broken, missing or damaged glazing, other building elements and Site improvements, and other damage. This shall include work in place performed by other TRADE CONTRACTORS.

1.7.3. Should TRADE CONTRACTOR observe cracks, sags, and other damage to and defects of the Site, other TRADE CONTRACTORS work and adjacent buildings, paving, and other items not indicated in the Contract Documents, TRADE CONTRACTOR shall immediately report same to the District and the Construction Manager.

1.8. TRADE CONTRACTOR'S USE OF PREMISES

- 1.8.1. If unoccupied and only with District's prior written approval, TRADE CONTRACTOR may use the building(s) at the Project Site without limitation for its operations, storage, and office facilities for the performance of the Work. If the District chooses to beneficially occupy any building(s), TRADE CONTRACTOR must obtain the District's written approval for TRADE CONTRACTOR's use of spaces and types of operations to be performed within the building(s) while so occupied. TRADE CONTRACTOR's access to the building(s) shall be limited to the areas indicated.
- 1.8.2. The Project Site although fairly large, is extremely limited and is not able to accommodate storage of materials and equipment unless immediately being utilized for the TRADE CONTRACTOR's work. TRADE CONTRACTOR shall coordinate just in time deliveries and keep material stored in an offsite location to be paid for by the TRADE CONTRACTOR. CONSTRUCTION MANAGER shall design certain areas of the site for material/staging laydown which will be provided on a priority basis.
- 1.8.3. If the space at the Project Site is not sufficient for TRADE CONTRACTOR's operations, storage, office facilities and/or parking, TRADE CONTRACTOR shall arrange and pay for any additional facilities needed by TRADE CONTRACTOR, at no expense to District.
- 1.8.4. TRADE CONTRACTOR shall not interfere with others use of or access to occupied portions of the building(s) or adjacent property.
- 1.8.5. TRADE CONTRACTOR shall maintain corridors, stairs, halls, and other exit-ways of building clear and free of debris and obstructions at all times.
- 1.8.6. No one other than those directly involved in the demolition and construction, or specifically designated by the District or the Architect shall be permitted in the areas of work during demolition and construction activities.
- 1.8.7. Refer to Exhibit 02 of the Contract Documents in regards to Construction Staging and Logistics Plan.

1.9. TRAFFIC CONTROL

- 1.9.1. Each TRADE CONTRACTOR shall provide all traffic control flagmen, barricades, safety barriers, and any street controls or closure permits as necessary and

pertaining to their scope of work and as required by local Ordinance.

1.10. PROTECTION OF EXISTING STRUCTURES AND UTILITIES

1.10.1. The Drawings show above-grade and below-grade structures, utility lines, and other installations that are known or believed to exist in the area of the Work. TRADE CONTRACTOR shall locate these existing installations before proceeding with excavation and other operations that could damage same; maintain them in service, where appropriate; and repair damage to them caused by the performance of the Work. Should damage occur to these existing installations, the costs of repair shall be at the TRADE CONTRACTOR's expense and made to the District's satisfaction.

1.10.2. TRADE CONTRACTOR shall be alert to the possibility of the existence of additional structures and utilities. If TRADE CONTRACTOR encounters additional structures and utilities, TRADE CONTRACTOR will immediately report to the District for disposition of same as indicated in the General Conditions.

1.10.3. Specific TRADE CONTRACTORS may be required to identify existing utilities via pot holing. Refer to respective Bid Packages specific Summary of Work for pot holing/identification of existing utility requirements.

1.11. UTILITY SHUTDOWNS AND INTERRUPTIONS

1.11.1. TRADE CONTRACTOR shall give the District, through the CONSTRUCTION MANAGER, a minimum of five (5) days written notice in advance of any need to shut off existing utility services or to effect equipment interruptions. In no instance shall utilities be allowed to be shutdown during regularly school operation hours (7AM-4PM Monday through Friday). Each Contractor shall account within their base bid any premium time required to work Saturday's or before our after school hours in order to perform utility shutdowns. District will set exact time and duration for shutdown, and will assist TRADE CONTRACTOR with shutdown. Work required to re-establish utility services shall be performed by the TRADE CONTRACTOR.

1.11.2. TRADE CONTRACTOR shall obtain District's written approval as indicated in the General Conditions in advance of deliveries of material or equipment or other activities that may conflict with District's use of the building(s) or adjacent facilities.

1.12. STRUCTURAL INTEGRITY

1.12.1. TRADE CONTRACTOR shall be responsible for and supervise each operation and work that could affect structural integrity of various building elements, both permanent and temporary.

1.12.2. TRADE CONTRACTOR shall include structural connections and fastenings as indicated or required for complete performance of the Work.

1.13. FIELD MEASUREMENTS, LAYOUT AND SURVEY

1.13.1. The District will hire an independent professional surveyor to perform surveying services for certain phases of the project as scheduled by the Construction Manager. Example; project start, building pad certification, building slab elevation verification and as required by the Construction Manager. Each Bid Package is required to provide their own survey during the course of their work in order to ensure required grades and elevations are met. Third party survey verification shall be requested in writing 72 hour prior the requested survey date to the Construction Manager.

1.13.2. The District provided Survey will include existing topography, area of work limits/property line set-backs, utility points of connection, building grid lines and building corners, and third party verification of TRADE CONTRACTOR's scope of work, if in question or necessary by the CONSTRUCTION MANGER. This shall not relieve each TRADE CONTRACTOR from performing field measurements, layout, or providing additional survey as may be required to perform their scope.

1.14. COORDINATION WITH CONSTRUCTION MANAGER

1.14.1. The District has hired a CONSTRUCTION MANAGER to coordinate and oversee the work. TRADE CONTRACTOR shall coordinate directly with the CONSTRUCTION MANAGER and TRADE CONTRACTOR's in order to accomplish the work.

1.14.2. TRADE CONTRACTORS shall direct all Project Correspondence and Documentation through the CONSTRUCTION MANAGER, unless directed otherwise. TRADE CONTRACTOR shall have no direct communications with the OWNER and/or ARCHITECT, unless written permission is provided.

1.15. COORDINATION WITH OTHER PRIME AND SUB TRADE CONTRACTORS

1.15.1. Coordination between all TRADE CONTRACTORS, subcontractors, material suppliers, Owner, Site Staff, CONSTRUCTION MANAGER and jurisdictional agencies is required and necessary for the successful completion of the work. TRADE CONTRACTORS shall properly coordinate with other TRADE CONTRACTORS and subcontractors continuously in order to accomplish the work.

1.15.2. TRADE CONTRACTORS shall proceed with the work in accordance with the most current Bid Schedule, Monthly Update Schedule, 3 Week Look-Ahead Schedule or as directed by the CONSTRUCTION MANAGER. In no event shall a TRADE CONTRACTOR install their work so as to prevent follow-on contractors from the installation of their work. If necessary and due to failure to properly coordinate the work, TRADE CONTRACTORS shall remove, relocate, and reinstall work that is not in accordance with the schedule and/or has impacted other TRADE CONTRACTORS from completing their work.

1.15.3. TRADE CONTRACTORS are responsible to provide coordination and layout for the other TRADE CONTRACTORS when components are scheduled to attach or are directly affected by the elements of work within their respective contract.

1.16. HOURS OF WORK

1.16.1. Generally, the Hours of Work will be Monday through Friday between the hours of 7:00AM and 4:00PM, with the exception of work which may be required to be performed after hours, such as bridge construction and/or utility shutdowns. In no event shall work be performed outside of the local jurisdictional hours without express approval from the CONSTRUCTION MANAGER.

1.16.2. City of Buena Park allowable construction hours:

Monday through Friday: 7:00AM to 7:00PM

Saturday: 8:00AM to 5:00PM

Sundays & Federal Holidays: No Work Allowed without Authorization

1.17. MOBILIZATION

1.17.1. TRADE CONTRACTORS are responsible for the mobilization and ALL necessary move-ins as required by CONSTRUCTION MANAGER's Bid Schedule, to perform the work. Refer to Specification Section 01 32 13 and Exhibit 01 for scheduling requirements.

1.18. SWPPP / BEST MANAGEMENT PRACTICES

- 1.18.1. The implementation of general Erosion Control Measures and/or BMP's shall be performed by select TRADE CONTRACTORS as specified in the Summary of Work Section 10 10 10. However, all TRADE CONTRACTORS all best management practices associated with work under their bid package
 - 1.18.2. BMP's associated with each respective TRADE CONTRACTORS scope of work may include, but is not limited to: providing concrete washout pits, dust control, and cleaning of streets due to trucking on or off the site, controlling water runoff into storm drains or offsite during concrete placement and clean-up operations and containment of all toxic material as required by law. Clean-up and dispose of all temporary washout pits, and other temporary facilities as required and legally dispose of all waste material.
 - 1.18.3. Any TRADE CONTRACTOR found in violation of SWPPP requirements will pay all penalties or fines due to any violations issued to the Owner for this TRADE CONTRACTOR's failure to meet requirements by the State or other Government agencies for non compliance with the State or Federal Clean Water Act or other regulations.
- 1.19. DAILY HOUSEKEEPING / CLEAN-UP
- 1.19.1. Continuous housekeeping and daily cleanup is mandatory for all TRADE CONTRACTORS. TRADE CONTRACTORS shall place construction debris in designated debris boxes and remove debris from site at contractor's own expense prior to the end of the work day or as directed by the CONSTRUCTION MANAGER. All debris boxes will be identified for this contracts use, and containers shall be kept free of graffiti at all times.
 - 1.19.2. TRADE CONTRACTORS shall properly dispose of all trash, unused material, debris, and waste at the end of each work day. Failure to perform this task daily, will cause the Owner to exercise its right to self perform work and direct the clean up by others at the expense of the TRADE CONTRACTOR upon immediate verbal notice or written notice.
 - 1.19.3. Clean-up and dispose of all temporary washout pits, and other temporary facilities as required and legally dispose of all waste material. Bid Package will pay all penalties or fines due to any violations issued to the Owner for this Bid Package's failure to meet requirements by the State or other Government agencies for non-compliance with the State or Federal Clean Water Act or other regulations.
- 1.20. NOISE
- 1.20.1. TRADE CONTRACTOR shall manage all personnel in order to reduce excessive noise levels caused to adjacent residents, businesses, public, and other onsite personnel. This shall not only apply to care taken during the work activities, but shall also apply to personnel during arrival, breaks, and end of day activities. No

excessive shouting, profanity, or the use of radios or other broadcasting devices shall be allowed on or surrounding the project.

1.21. DAILY REPORTS

1.21.1. Each TRADE CONTRACTOR shall provide a Daily Report which shall be submitted to the CONSTRUCTION MANAGER.

1.21.2. Daily Report must at a minimum identify the TRADE CONTRACTOR by name, date, deliveries, inspections, a description of work completed and in progress, and a listing of all TRADE CONTRACTOR and subcontractor personnel.

1.21.3. Daily Reports shall be on the form specified by the CONSTRUCTION MANAGER through Procore and shall be uploaded to Procore properly at the end of each day.

1.21.4. Daily Reports are considered part of the contract scope of work and as such, failure for TRADE CONTRACTOR to provide current and accurate Daily Reports may prevent the release of progress payments until corrected.

1.22. AS-BUILT DOCUMENTS

1.22.1. Each TRADE CONTRACTOR shall provide and maintain as-built documents on a regular basis.

1.22.2. CONSTRUCTION MANAGER will provide electronic access, via ftp site, PDF plans to all TRADE CONTRACTORS. TRADE CONTRACTORS shall “redline” plans as it relates to their specific scope of work at the end of each work week for verification by the CONSTRUCTION MANAGER. Should TRADE CONTRACTOR not provide weekly as-built updates, progress payments will not be processed until corrected.

1.23. LABOR RATES

1.23.1. TRADE CONTRACTOR shall provide to the CONSTRUCTION MANAGER prior to the approval of any Progress Payments a detailed breakdown of the labor wage rates of all it’s employees and subcontractor’s employees that will be performing work on the project. At a minimum, Labor wage rates shall be broken down in accordance with DIR General Prevailing Wage determinations.

1.23.2. This requirement is in addition to and separate from Prevailing Wage, Certified Payroll and Compliance Monitoring Unit and the District’s Labor Compliance Program.

1.24. TESTS AND INSPECTION

1.24.1. Except as set forth below, the District will pay for fees, costs and expenses to complete the initial tests/inspections of portions of the Work as required by law, code or regulation, provided that such tests/inspections are conducted and completed at a location within a one hundred (100) mile radius of the Site. The foregoing notwithstanding, if the portion(s) of the Work subject to tests/inspections is/are not ready for such test/inspection at the time indicated in the Contractor's notice under Article 26 or if upon completion of such test/inspection, the portion(s) of the Work subject to such test/inspection do not meet or exceed the minimum requirements of such test/inspection, the Contractor shall be solely responsible for the payment of all fees, costs or expenses arising out of or related in any manner to subsequent tests/inspections of such portion(s) of the Work. Notwithstanding the District's payment of fees, costs or expenses for conducting initial tests/inspections, if any actions or failures to act of the Contractor or person or entity providing or performing Work under the direction or control of the Contractor require tests/inspections to be conducted over a period of more than eight (8) hours per day by any single person or on weekends/holidays, the Contractor shall be solely responsible for the payment of fees, costs or expenses which result from test/inspection services which exceed eight (8) hours per day by any single person or on weekends/holidays. If any tests/inspections are conducted outside a one hundred (100) mile radius of the Site, the Contractor shall be solely responsible for all costs, fees or expenses to conduct and complete such tests/inspections conducted at such location, including without limitation, costs to complete such tests/inspections and travel, meal and related expenses.

1.25. SAFETY

1.25.1. TRADE CONTRACTORS and subcontractors are solely responsible for all safety precautions and programs in connection with work under their agreement.

1.25.2. The requirements of Cal/OSHA, state, county and city laws, statutes, regulations, codes, ordinances and order of those governing bodies having jurisdiction over the work, including the OCIP specific safety specifications listed in Appendix D establish the minimum safety guidelines for the project. In the event of a conflict or inconsistency, the most stringent standard will govern.

1.26. EXCAVATIONS, SOILS, AND SPOILS

1.26.1. Excavation: All Bid Packages are responsible for the excavation, backfill, compaction and any import/export required for each bid package to complete their own work.

- 1.26.2. Spoil Disposal: All Bid Packages are responsible for the legal removal and disposal to an offsite location of all excavation and other spoils generated on the site by their own work. Removal of spoils shall take place within 72 hours, or must be coordinated in writing with the construction manager to request additional time for removal.
- 1.26.3. Open Trench Protection: Provide all trenches and/or excavations required for the installation of work of this Bid Package (including de-watering and erosion control), backfilled and properly compacted flush to adjacent existing grades (with approved backfill and bedding materials – imported if necessary at no additional cost to the Owner). In the event of rain days, contractor is responsible to protect open trenches, spread footings and grade beams. Contractor is responsible to provide sump pumps and hoses to muck out trenches at no additional cost to the Owner.
- 1.26.4. Re-establishing Existing Grades: The grade at completion of this scopes work cannot exceed .10 +/- of certified grade. Verify all excavations are back to existing grades with Construction Manager at completion (within 24hrs) of each excavation and prior to other Contractors start of new activities. Contractor will be responsible for any extra grading activities due to lack of grade verification with Construction Manager.

END OF DOCUMENT

BID PACKAGE 01

GENERAL CONDITIONS, FINISHES AND SPECIALTIES

SECTION 01 10 10 01

SUMMARY OF WORK

1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

- A. Work Covered by Contract Documents

- B. Basic Scope of Work Summary

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- C. Specific Scope of Work Provisions
- D. General Scope of Work and Provisions
- E. Scheduling, Sequence of Work, and Mobilizations
- F. Allowances

A. WORK COVERED BY CONTRACT DOCUMENTS:

1. **Work Included:** The work to be performed by Contractor shall conform to the requirements of all of the Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

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Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. BASIC SCOPE OF WORK SUMMARY:

1. This Bid Package (BP01) Contract scope of work includes: all work required to **furnish and install General Conditions/Requirements and various building components and finishes** for the project, as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections.
2. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:
 - Primary Technical Specifications:
 - Division 0 (Bid Documents)
 - Division 1
 - 011000 – SUMMARY
 - 012600 – CONTRACT MODIFICATION PROCEDURES
 - 012900 – PAYMENT PROCEDURES
 - 013100 – PROJECT MANAGEMENT AND COORDINATION
 - 013200 – CONSTRUCTION PROGRESS DOCUMENTATION
 - 013300 – SUBMITTAL PROCEDURES
 - 014000 – QUALITY REQUIREMENTS
 - 014200 – REFERENCES
 - 015000 – TEMPORARY FACILITIES AND CONTROLS
 - 015639 – TEMPORARY TREE AND PLANT PROTECTION

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015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

017300 – EXECUTION REQUIREMENTS

017419 – CONSTRUCTION WASTE MANAGEMENT

017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

042113 – BRICK MASONRY

042200 – CONCRETE UNIT MASONRY

055134 – ALUMINUM LADDERS

072100 - BUILDING INSULATION

078413 – PENETRATION FIRESTOPPING

078446 – FIRE-RESISTIVE JOINT SYSTEMS

079200 – JOINT SEALANTS

093000 – TILING

095113 – ACOUSTICAL PANEL CEILINGS

096513 – RESILIENT WALL BASE AND ACCESORIES

096813 – TILE CARPETING

098319 – ACCOUSTICAL WALL PANELS

099100 – PAINTING

101100 – VISUAL DISPLAY SURFACES

101400 – SIGNAGE

102600 – WALL AND DOOR PROTECTION

102800 – TOILET AND BATH ACCESORIES

104400 – FIRE PROTECTION SPECIALTIES

129314 – BICYCLE RACKS

323119 – DECORATIVE METAL FENCES AND GATES

3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work

- Related Technical Specifications:

031000 – CONCRETE FORMING AND ACCESSORIES

032000 – CONCRETE REINFORCING

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033000 – CAST-IN-PLACE CONCRETE

051200 – STRUCTURAL STEEL FRAMING

055000 – METAL FABRICATIONS

061000 – ROUGH CARPENTRY

092116 – GYPSUM BOARD ASSEMBLIES

C. SPECIFIC SCOPE OF WORK PROVISIONS:

1. Temporary Fencing: This Bid Package (BP01) shall install, maintain, relocate as needed, and perform the final removal of all temporary fencing. Fencing shall be in place within five (5) days of Notice to Proceed and shall remain until project completion, or as directed for removal by the CONSTRUCTION MANAGER. Temporary Fencing shall be 6' wind screening with pre-cut wind screen holes. Any damaged wind screen shall be replaced by the contractor at no additional cost to the Owner within the duration of the construction project. All fencing requires the windscreens to limit visibility and limit possible distraction for students. There shall be no limit of fence moves, nor any cost to the District to move the fence as needed or requested. All fencing must meet minimum aesthetic requirements to meet surrounding Housing Development standards. Contractor shall refer to Construction Staging/Logistics Plan for locations of approximate fencing. Contractor to field verify measurements associated with the provided logistics plan, approximately 400' of temporary chain-link with windscreens and approximation of 830' of windscreens to be attached to the existing fencing.
2. Gates: This Bid Package is responsible for removing existing chain-link and installing one (2) 20' double swing gate as indicated on the logistics plan.
3. Field Office Trailers: This Bid Package is responsible for providing two jobsite trailers. The first jobsite trailer shall be for TELACU Construction Management and District Personnel with minimum dimensions of 12'x60'. The second jobsite trailer shall be for the IOR with minimum dimensions of 8'x20'. These trailers must be installed with power and internet connection (overhead power and low voltage lines to be provided from site power and landed at the electrical panel and within the trailer by Electrical Bid Package) before first construction activities commence. CM Office Trailer to include (2) offices, consisting of a single office at each end of the trailer with a conference room in the center. Trailers to be weather tight with lighting, electrical outlets, communications capabilities, heating, cooling, and ventilating equipment. CM trailer to have interior bathroom with sink. Water and sewer to be connected and maintained by GC for life of project. VCT to be used for flooring, NO CARPET. Contractor to provide wireless and hardwired data lines and Wi-Fi connection to all electronic devices within the offices. Contractor shall ensure District, TELACU CM, DSA IOR, and all other project parties are connected to the supplied Wi-Fi and wired network. Contractor shall provide basic weekly cleaning service for trailer including floors, windows, etc.

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4. Office Furniture: Contractor shall provide the following furnishings:
 - Four (4) Office Desks approximately 30"x60"
 - Four (4) Office Chairs with caster wheels and arm rests
 - Four (4) 36"x18"x54" Steel Lateral Filing Cabinets with 3 drawers
 - (1) 96"x48" Conference Table
 - Chairs (Basyx – 633802 or equal)
 - Twelve (12) Conference Chairs with casters and arm rests
 - Three (3) Built Plan Tables
 - Provide and Install four (4) 4'x 8' Whiteboards
 - 24 Lineal Ft of Shelving to be installed by Contractor
 - Contractor to provide a 65" TV to be mounted by the GC in the CM's construction trailer and utilized for all construction meetings. TV is to be purchased as described here: - LG - 65" Class - LED - UK6090PUA Series - 2160p - Smart - 4K UHD TV or approved equal.
5. Time Lapse Recording: This Bid Package is responsible to install, mount and connect necessary cabling for a fully operational District provided time lapse recording camera.
6. Portable Toilet Service & Trash Receptacles: This Bid package is responsible for the adequate provisions and service of portable sanitary facilities for the entire duration of the project. Number of portable toilets and hand wash stations will comply with OSHA regulations and shall be distributed appropriately across the site at least two locations. This Bid package (BP01) is responsible to provide eight (8) thirty (30) gallon trash receptacles at locations designed by the Construction Manager to be utilized by all trades for the duration of the project. Trash receptacles shall be emptied weekly and coordinate locations with Construction Manager.
7. Trash Dumpsters: This Bid Package shall provide a 40 CY Dumpster along with providing fifty (50) 40 CY Dumpster pick-ups during the course of construction for debris removal to be serviced every week for the duration of the Project. The cost for this service shall be included in the base bid for this Bid Package (BP01). Cost associated with unused dumpsters will be credited back to the District. Provide a line item in the schedule of value for this activity.
8. Project Site Requirements: Contractor shall provide a minimum, weekly Street Sweeping and cleaning of curbs, gutters, school parking lots located on and around the perimeter of the project area. Contractor shall use exceptional site housekeeping to maintain the standards of the surrounding project area daily or more frequent as directed by the Owner and/or CM.
9. Labor Support: This Bid Package shall provide weekly one (1) journeyman carpenter and (1) laborer for an eight (8) hour period each for the duration of the Project from start date to finish date. The cost for the staff mentioned above shall be included in the base bid of this Project and shall be identified on the Schedule of Values for review and approval by the Construction Manager. Construction Manager will direct specifics of this general work and sign time sheets which will indicate the areas worked. Labor Hours not used each week will be accrued and tracked by this Bid Package and the Construction Manager for future work and any unused hours shall be fully credited back to the

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District. Contractor shall replace staff if workmanship is not acceptable to the Construction Manager.

10. Final Clean-up: This Bid Package is responsible for the Final Cleaning of the Building and site. Except as otherwise specifically provided, "clean" for the purpose of the Definition, shall be interpreted as meaning the level of cleanliness generally provided by skilled cleaners using commercial quality building maintenance equipment and materials, i.e., 'scrub and polish clean". Prior to completion of the work, remove from the job site all tools, surplus materials, equipment, scrap, debris and waste and conduct final progress cleaning as described above. Water and broom clean paved areas on the site and public paved areas directly adjacent to the site. Remove any resultant debris. Schedule the final cleaning with the Construction Manager to enable the Owner to accept a completely clean project.
11. Concrete Masonry Unit Building and Walls: This Bid Package Contract scope of work includes: all concrete masonry units and reinforcement and manufactured stone masonry (veneer) as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and materials in the Primary and Related Specification Sections.
12. Thermal Insulation: This Bid Package is Responsible for all Thermal Insulation installations at all locations per the contract drawings and Specification Section 072100 (excluding roof underlayment which is by Bid Package 07) including meeting all vapor barrier/retarder & R value requirements in the specifications.
13. Acoustic Insulation: This Bid Package is responsible to provide all labor, material and equipment necessary to install all thermal and acoustical insulation per Plans, Specifications and Addenda, including but not limited to; all thermal insulation, fire insulation, sound insulation, shaftwall insulation, foil faced insulation, rigid insulation, batts, facings, wires, nails, staples, tapes, adhesives, fire safing, sag wires, impaling pins, stickpins, washers, trim and accessories for a complete system and installation.
14. Flooring: This Bid Package is responsible for all flooring finishes required for a complete installation as indicated on in the Contract Documents, this includes the Wood Athletic Flooring, Tiling, Resilient Flooring, Fluid-Applied Flooring and Tile Carpeting.
15. Tile Grout: Seal all tile grout after installation whether or not indicated in contract documents.
16. Tiling Slope Test: This Bid Package is responsible to test/confirm the minimum and maximum slope have required slopes to floor drains. Contractor is responsible for water test.
17. Acoustical Ceilings: This Bid Package is responsible for all Acoustical Ceiling work per the Drawings and Specification Section 095100 including cutting tile and installing all necessary ceiling wires for all trades with ceiling mounted accessories including seismic wires for speakers, strobes, lighting or other ceiling mounted device requiring wire ceiling.
18. Wall Coverings: This Bid Package is responsible to supply and install all Vinyl Coated Wall

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Covering per the drawings and specification Section 097200.

19. Paint: This Bid Package is responsible for all painted surfaces as indicated in the contract documents. Regardless of the Outline Schedule or Baseline Schedule, this Bid Package shall include within their base bid applying a prime and one finish coat during the course of the work and then remobilizing at the direction of the Construction Manager for a second finish coat after the bulk of interior and exterior trade contractor work is completed. This is required in order to minimize trade damage to finish paint during the course of the work.
20. High Performance Coatings: This Bid Package is responsible for all surface preparation and application of high-performance coating systems for all steel surfaces as indicated in the Contract Documents and Specification section 099600.
21. Mural Painting and Faux Finishes: This Bid Package is responsible to supply and install Mural Painting and Faux Finishes per the Contract Drawings and Specification Section 121103.
22. Specialties: This Bid Package is responsible for supply and installation of all Division 10 Specialties.
23. Signage: This Bid Package is responsible for supply and installation of all signage as indicated in the contract documents and per specification section 101400.
24. Toilet Compartments/Partitions: This Bid Package is responsible to furnish all necessary hardware, anchors, inserts, connections and coordinate backing/blocking layout with other Bid Packages required for a complete installation as indicated on in the Contract Documents and specification section 102113.
25. Toilet Accessories: This Bid Package (BP01) is responsible to furnish and install all required toilet and bath accessories as indicated in the contract documents and specification section 102800.
26. Fire Protection Specialties: This Bid Package (BP01) is responsible to furnish and install all required fire protection specialties as indicated in the contract documents and specification section 104400.
27. Window Shades: This Bid Package (BP01) is responsible to furnish and install all required roller window shades as indicated in the contract documents and specification sections, including the manual and motorized window shades.
28. Marker boards: This Bid Package (BP01) is responsible to furnish all necessary hardware, anchors, inserts, connections and coordinate backing/blocking layout with other Bid Packages required for a complete installation as indicated on in the Contract Documents.
29. Chain-link Fences and Gates: This Bid Package is responsible for supply and installation of all chain-link fences and gates which shall include all labor and material for fence post footings, posts, caps, mesh, hinges, Knox boxes, and hardware as indicated in the Contract Drawings and Specification Section 323113. This Bid Package is also

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responsible for the installation of closers and panic hardware for any required gates. Closers and panic hardware provided by others.

30. Decorative Metal Fences and Gates: This Bid Package is responsible for supply and installation of all decorative metal fences and gates which shall include all labor and material for fence post footings, posts, caps, mesh, hinges, Knox boxes, and hardware as indicated in the Contract Drawings and Specification Section 323119. This Bid Package is also responsible for the installation of closers and panic hardware for any required gates. Closers and panic hardware provided by others.
31. Fire Rated Penetrations: All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements
32. Final Clean-Up Approval: The Construction Manager will be responsible for approving final clean-up.

D. GENERAL REQUIREMENTS AND PROVISIONS:

1. This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

1. Schedule: Refer to **Construction Manager's Bid Schedule and associated attachments** for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

F. ALLOWANCES:

1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 01 21 00.

END OF SECTION

BID PACKAGE 02

DEMOLITION & GRADING

SECTION 01 10 10-02

SUMMARY OF WORK

PART 1 - GENERAL

1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

A. Work Covered by Contract Documents

B. Basic Scope of Work Summary

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- C. Specific Scope of Work Provisions

- D. General Scope of Work and Provisions

- E. Scheduling, Sequence of Work, and Mobilizations

- F. Allowances

- A. WORK COVERED BY CONTRACT DOCUMENTS:

Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Carl E. Gilbert Elementary School TK-PK Classroom & Early Learning Building Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. BASIC SCOPE OF WORK SUMMARY:

1. This Bid Package (BP02) Contract scope of work includes: all work required to furnish and install all on-site/off-site **Demolition and Grading**, as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods in the Primary and Related Specification Sections applicable to the work.
2. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:
 - Primary Technical Specifications:
 - DIVISION 0 – Front End Documents
 - DIVISION 01 - General Requirements
 - DIVISION 31 - Earthwork
 - 311000 – Site Clearing
 - 312000 – Earth Moving Summary
 - SWPPP – 015723 Temporary Stormwater Pollution Control
 - GEOTECHNICAL AND GEOHAZARD REPORTS
3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work
 - Related Technical Specifications:
 - 321540 – GRANITECRETE CRUSHED AGGREGATE PAVING

321313 – CONCRETE PAVING
321216 – ASPHALT PAVING

C. SPECIFIC SCOPE OF WORK PROVISIONS:

1. Demolition: This Bid Package (BP02) is responsible for all demolition as identified on the Bid Set Plans.
2. Disposal of Demolition Materials: This Bid Package (BP02) is responsible for disposal of demolition materials in accordance with Division 01 Construction Waste Management meeting requirements by the Local, State and Federal regulations.
3. Temporary Construction Entrance: This Bid Package (BP02) is to provide and maintain a rolled curb for a temporary construction entrance until the new entrance has been constructed.
4. Hauling & Excess Material: This Bid Package is responsible to maintain the on-site/off-site hauling route and construction entrances in a clean condition daily which includes street sweeping. All construction traffic egress must be coordinated with the Construction Manager. The haul off of excess materials and the import of any required materials to complete this scope of work is a responsibility of this Bid Package. Bid Package 02 shall dispose of excess material/debris to an approved location off-site at no additional cost to the Owner and no impact to the schedule. Please refer to the Geotechnical Report and Supplemental Geotechnical Report Letter which identifies conditions and use of existing soils.
5. Rough Grading Earthwork: This Bid Package (BP02) includes: the mass grading of the entire site and the work involved to prepare and install all sub grade elevations for structure, synthetic turf and hardscape placement including but not limited to asphalt paving, sidewalk, planters, landscape, building pads, slab depressions, and other associated on-site/off-site depressed or raised features as shown on the Contract Drawings and all associated sheets, elevations, details, and the methods and materials in the Primary and Related Specification Sections. All sub grade elevations are to adhere to the elevations provided in the approved Plans, Specifications, Approved Submittals and/or Construction Manager at the completion of grading and prior to other construction.
6. Certified Building Pad: This Bid Package (BP02) is responsible to provide all sub-excavation, compaction, earth work and finish grade elevation as required for the building pad and to the satisfaction of the Construction Manager's surveyor in order to obtain a certified building pad.
7. Contractor Surveying: This Bid Package (BP02) is responsible for all survey to perform this bid packages scope of work and prior to Construction Manager verifying rough/finish grade elevations.
8. Finish Grading Earthwork: This Bid Package (BP02) includes: the provision for multiple grading crews and mobilizations as required re-establishing grades and maintaining the scheduled time frames for the work associated with finish grading for the entire construction site. This work includes all sub-excavation and re-compaction and earthwork as required on the Project sites to prepare and install all finish grade elevations within tolerances and as shown on the Contract Drawings and all associated sheets, elevations, details, and the methods and materials in the Primary and Related Specification Sections. At completion of grading Contractor is to provide documentation from licensed surveyor verifying elevations to the CM Superintendent.
9. Contamination Caution: Provide equipment petroleum protection to avoid soil contamination. Any soil contamination made by this bid package shall be properly disposed of and replaced with approved soil at no additional cost to the Owner and no impact to the schedule.
10. Traffic Safety/Control: Provide all traffic control flagmen, barricades, safety barriers, and any street controls or closure permits as necessary and pertaining to the scope of work of this Bid Package.

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11. Unforeseen Utilities: If unforeseen transite pipe, or any other unforeseen conditions, are discovered Contractor shall immediately notify the Construction Manager.
12. Utility Location/Demolition: This Bid Package (BP02) is responsible for removal of existing utilities and below grade utility structures, unless identified to be protected in place or specifically assigned to another bid package. Abandon utility lines outside this area. Provide cut, cap, safe off as required of existing on-site utilities. This Bid Package shall pothole the location of the existing utilities that are designated to remain prior to the completion of demolition activities. Utilities shall be as-built and documented for follow-on trades.
13. Repairs: This Bid Package (BP02) is responsible for the prompt repair for damages to adjacent buildings or components caused by demolition operations and activities.
14. SWPPP QSP: Bid Package (BP02) shall perform the Work of the Project related to being the District's Qualified SWPPP (Storm Water Pollution Prevention Plan) Practitioner ("QSP") and that BP02 is certified to be the District's QSP, as required by the current California State Water Board's Construction General Permit.
15. SWPPP: This Bid Package (BP02) Contract scope of work includes: the responsibility to implement the General Permit and all site Erosion Control Measures to ensure the provisions of the State Water Resources Control Board National Pollutant Discharge Elimination System General Permit for Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction Activity (Permit) and the Storm Water Pollution Prevention Plan (SWPPP) including the standard provisions, monitoring and reporting requirements as required by the Permit for the work of all Bid Packages on this Project, following Division 0 and 1, refer to Section 01 57 23 Temporary Stormwater Pollution Control. The cost of preparing, monitoring, and maintaining the plan as required by the Permit is included in this Bid Package throughout the duration of this project. At the completion of the Project, all SWPPP control measures shall be removed. Additionally, this Bid Package is responsible to maintain the on-site/off-site hauling route and construction entrances in a clean condition daily which may include street sweeping as required.
16. Truck Hours of Operation: Any and all trucks entering and/ or exiting the construction site shall follow local and county jurisdiction rules for allowed trucking times.
17. Existing Site Operational Utilities: Contractor to protect the existing site utilities to provide service of the operational school equipment, buildings and facilities for hourly and/or daily operational procedures during the entire excavation, rough and final grading process.
18. Existing Conditions: This Bid Package (BP02) is responsible to make a thorough inspection of the Project sites and existing site conditions. By submitting a bid, this Bid Package assumes full responsibility for existing conditions with respect to the intentions of the Documents and waives any additional compensation for work required by any visible or known current circumstance that is in conflict with the Documents. Any damage done to existing features or known utilities, in the course of work in this Bid Package, will be repaired by this Bid Package at no cost to the Owner.
19. Site Restoration: This Bid Package (BP02) is responsible for completely filling below grade area and voids resulting from building demolition operation with satisfactory sols material according to the backfilling division 31 Sections "Earth moving"

D. GENERAL REQUIREMENTS AND PROVISIONS:

1. This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified

within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

1. Schedule: Refer to **Construction Manager's Bid Schedule and associated attachments** for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

F. ALLOWANCES:

1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 01 21 00.

END OF SECTION

~~Orange Coast College Professional Mariner Training Center~~
CENTINELA VALLEY UNION HIGH SCHOOL DISTRICT
~~Hawthorne High School – Phase II Classroom Addition~~

BID PACKAGE ~~034121~~

~~STRUCTURAL CONCRETE, SITE CONCRETE, AND CONCRETE REINFORCING HVAC / MECHANICAL~~
CONCRETE & CONCRETE REINFORCEMENT

SECTION 01 10 10-~~1112043~~

SUMMARY OF WORK

PART 1 – GENERAL

1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a “Bid Package” number and title. The various prime Contractors are referred to herein as “TRADE CONTRACTORS” or “Contractors”.

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It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

A. Work Covered by Contract Documents

B. Basic Scope of Work Summary

C. Specific Scope of Work Provisions

D. General Scope of Work and Provisions

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~~E. Building Information Modeling~~

~~E. Scheduling, Sequence of Work, and Mobilizations~~

~~F. Allowances~~

~~A. Work Covered by Contract Documents~~

~~B. Narrative for Scope of Work~~

~~C. Contract Method~~

~~D. Contractor Use of Premises~~

A. WORK COVERED BY CONTRACT DOCUMENTS:

Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Leuzinger HS Athletic Fields and Facilities Modernization Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00,

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Division 01 , Division 03, Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

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Furnish “Delivered to the job site, marked or otherwise identified, assembled, ready for installation.”

Install “Locate, lay out, temporarily shore or support, and erect to the completed and intended final use.” Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Professional Mariner Training Center Leuzinger High School Sports Athletic Fields Project Bid Documents, which include but may not be limited to: Division 00, and Division 01 as well as the Orange Coast College, Agreement, Centinela Valley High School District Agreement General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

1. ——— It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

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~~Furnish "Delivered to the job site, marked or otherwise identified, assembled, stored, ready and ready for installation."~~

~~Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."~~

B. BASIC NARRATIVE FOR SCOPE OF WORK SCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: all **Structural Concrete, Concrete Paving, Detectable Warning Surfaces, and Concrete Reinforcing (but excluding concrete caissons, piles, and CIDPH piles) work** required for a complete and operational building system as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections as illustrated in the Division of Work Dot Matrix 01-10-00. This Contract scope of work includes, but is not limited to, the following items of work:

2. This Bid Package (BP1112) Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project: ALL preparatory work and the supply and installation_ of the following:

Primary Technical Specifications

Division 0 (Bid Documents) (Bid Documents)

Division 1

011000 - SUMMARY

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012900 – PAYMENT PROCEDURES

013100 – PROJECT MANAGEMENT AND COORDINATION
013200 – CONSTRUCTION PROGRESS DOCUMENTATION

013300 – SUBMITTAL PROCEDURES

014000 – QUALITY REQUIREMENTS

014200 – REFERENCES

015000 – TEMPORARY FACILITIES AND CONTROLS

015639 – TEMPORARY TREE AND PLANT PROTECTION

015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

017300 – EXECUTION REQUIREMENTS

017419 – CONSTRUCTION WASTE MANAGEMENT

017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

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Division 3

024119 – SELECTIVE DEMOLITION

031000 - CONCRETE FORMING AND ACCESSORIES

032000 – CONCRETE REINFORCING

033000 - CAST IN PLACE CONCRETE

071909 – CONCRETE MOISTURE AND ALKALINITY TESTING

024119 – SELECTIVE DEMOLITION
0335001000 – CONCRETE FORMING AND ACCESSORIES
033713 – SHOTCRETE

321020 – DETECTABLE WARNING SURFACES

071910 – CONCRETE FLOOR SEALER

071920 – CONCRETE MOISTURE AND ALKALINITY BARRIER

079200 – JOINT SEALANTS

320120 – DETECTABLE WARNING SURFACES

321313 – CONCRETE PAVING

(for this BP work only)321123 – GRANITECRETE – CRUSHED AGGREGATE PAVING

2. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work:

3.

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● ~~Primary Technical Specifications:~~

~~230500 – COMMON WORK RESULTS FOR HVAC~~

~~230513 – COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT~~

~~230529 – HANGERS AND SUPPORTS FOR HVAC PIPING ANDS – EQUIPMENT~~

~~230548 – VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING – AND EQUIPMENT~~

~~230553 – IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT~~

~~230593 – TESTING, ADJUSTING AND BALANCING FOR HVAC~~

~~23071300 – DUCT HVAC INSULATION~~

~~230900 – BUILDING MANAGEMNT AND CONTROL AUTOMATION SYSTEM~~

~~232300 – REFRIGERANT PIPING~~

~~23311113 – METAL DUCTS~~

~~233300 – AIR DUCT ACCESSORIES~~

~~233713.13 – AIR DIFFUSERS~~

~~233423 – HVAC POWER VENTILATORS~~

~~233713.23 – AIR DIFFUSERS, REGISTERS AND GRILLES~~

~~234100 – PARTICULATE AIR FILTRATION~~

~~238119 – ROOFTOP AIR CONDITIONERS~~

~~238126 – SPLIT SYSTEM AIR CONDITIONERS 238126 – VARIABLE REFRIGERANT FLOW SYSTEMS~~

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Secondary Related Technical Specifications:

312000 – EARTH MOVING SUMMARY

329113 – SOIL PREPARATION

042000 – UNIT MASONRY

051200 - STRUCTURAL STEEL FRAMING

053100 – STEEL DECKING

055213-000 -- PIPE AND TUBE STEEL RAILINGS METAL FABRICATIONS

061000 – ROUGH CARPENTRY

324813 – SYNTHETIC TURF SURFACING

324814 – SYNTHETIC TURF PERMEABLE BASE SYSTEM

078413 – FIRESTOPPING

078446- FIRE-RESISTIVE JOINT SYSTEMS

079200 – JOINT SEALANTS

083113 – ACCESS DOORS AND FRAMES

220529 – HANGERS AND SUPPORTS FOR PLUMBING EQUIPMENT

055000 – METAL FABRICATIONS All other Specification Sections as they interface or relate to this Scope of Work

078400 – FIRESTOPPING

079200 – JOINT SEALANTS

083100 – ACCESS DOORS AND FRAMES

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~~220529 – HANGERS AND SUPPORTS FOR PLUMBING AND
 EQUIPMENT
 055000 – METAL FABRICATIONS~~

C. SPECIFIC SCOPE OF WORK PROVISIONS:

STRUCTURAL CONCRETE

1. **Structural and Site Concrete:** This Bid Package is responsible for the completion of all structural and site concrete items of work or improvements shown on the plans and described in the specifications including all excavations, crushed rock layer, vapor barrier, concrete formwork, concrete for composite slab on grade floor construction, concrete for foundation pile caps, concrete bridge structure columns, building structure columns, concrete stair column, stairs and landings, concrete foundations, footings, grade beams, all concrete reinforcement, all joints and sealants associated with concrete work, and all concrete curing and concrete sealing, which is required to complete the scope of work for both Increment 1 and Increment 2, including the following items further described below:

Concrete Bridge Columns/Abutments: This Bid Package is responsible to complete the concrete bridge columns and concrete bridge support caps for Abutment # 1 & Abutment # 2, per the structural, architectural and bridge drawings. This Bid Package is responsible to complete concrete work at locations on drawings where annotated "by others", such as detail 1 & 2 on S201B, Increment 2 drawings. All concrete work noted as such is included in the scope of this Bid Package work.

Pile/Column/Abutment Transition: This Bid Package is responsible to complete the Abutment #1 & #2 concrete bridge columns starting from elevations noted as PILE CUT OFF

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on elevations on B1.4 and B1.5 of Increment 2 drawings. C.I.D.H. Concrete Piles below this elevation to be completed by the Bid Package #03 (Soldier Piles and Caissons). This Bid Package is responsible to provide all splicing of vertical reinforcing steel excess protrusion from top of caisson PILE CUT OFF.

Isolation Casing: After completion of the CIDH caissons for Abutment #1 & #2 for the Bridge by Bid Package 03, this Bid Package is responsible to complete the Isolation Casing including the following: Structure Excavation, placement of Isolation Casing, Structure Backfill, providing and installing the threaded rod bolts around columns, providing and completing the backer rod and pourable sealant (detail B/B1-14). The steel fabricated L 4x3x14, Steel Plate, Bar, and welding shall be completed by the Bid Package 05 Structural Steel.

Selective Demo/Tie-in to Grade Beam: This Bid Package is responsible for cutting back the existing grade beam, and completing requirements of same at 2/S201B of Increment 2.

2. Footings/Foundations: This Bid Package is responsible for excavation and trenching for all footings and foundations and the replacement and recompaction for Work completed by the Grading Contractor but impacted by this Bid Package. This Bid Package shall remove from the site and dispose of all soils, spoils, and excess dirt generated by the operations of this Bid Package, off site, and in a legal manner. This Bid Package is responsible for all costs for any all equipment, hauling, hauling or truck route permits, disposal of materials and any dump fees.

There is no laydown or stockpiling area available on the site. All soils, spoils, and excess dirt generated by the operations of this Bid Package shall be removed from the site at the time of the excavation or grading for each part of the work.

3. Backfill and Compaction: This Bid Package is responsible to complete backfilling and compaction of all structures created by this Bid Package. All spoils and excess soil generated this Bid Package is to be removed from site at the direction of the Construction Manager.

between the soldier pile shoring and shear walls W1, W2, and W5, west of end line 1. Coordinate with Bid Package 2R for waterproofing requirements.

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~~Shotcrete: This Bid Package is responsible to complete the pneumatically applied concrete/shotcrete necessary for construction of retaining walls. Includes all reinforcing, concrete, equipment, and sample panels.~~

4. ~~Reinforcing Steel: This Bid Package is responsible to provide all reinforcing steel for the work of the site and structural concrete of this Bid Package.~~

~~Interconnection:~~

5. ~~Concrete Columns and CIDH Pile Coordination: This Bid Package is responsible to complete the concrete building foundation system, above the C.I.D.H. pile / Caissons, including all footings, grade beams, tie beams, retaining walls and footings, and all other concrete work per plans and specifications. Scope of this Bid Package includes all construction joints, keys, keyways, and water stops as it applies to this Bid Package.~~

~~;~~

~~Concrete Columns and CIDH Pile Coordination (reinforcement): Caissons/ C.I.D.H. piles and all caisson reinforcement will be completed by Bid Package # 03. This Bid Package is responsible for overlap and connection of reinforcing steel provided by this Bid Package to the vertical excess reinforcing protruding from completed caissons.~~

- 4.6. ~~Surface Roughening: This Bid Package is responsible for all surface roughening of concrete to complete this scope of work.~~

~~Coordination/ Opening/Block-outs: This Bid Package is responsible to coordinate with mechanical, electrical, plumbing, fire systems, and all other items requiring recess or openings in the work of this Bid Package, and is responsible to provide block-outs for passage of piping and other elements where required for other Bid Contractors and where indicated to do so on the drawings.~~

~~2. —~~

~~7. —~~

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~~7. Includes roughening tops of caissons/ C.I.D.H. piles.~~

~~CIP Walls: This Bid Package is responsible to complete the concrete shear walls per Increment 1 drawings and specifications. This shall include the coordination and installation of temporary shoring that are required to support the formwork and CIP wall until concrete reaches necessary strength.~~

~~CIP Walls: This Bid Package is responsible to provide and cast into the shear walls all drag reinforcing bars. Scope of this Bid Package includes coordination with Bid Package #05 (Structural Steel and Decking) for accurate placement of drag bars and other embeds. All rebar welding to beams is by Bid Package #5, not by this Bid Package.~~

~~CIP Retaining Wall / Soldier Pile Coordination: The soldier pile system with waterproofing and drainage board / drainage mat will be completed by Bid Package #03. This Bid Package is responsible for the cost of repairing or correcting any damage to the waterproofing system occurring as a result of the operations of this Bid Package.~~

~~Elevator Pit and Associated Footings: This Bid Package is responsible to complete the Increment 1 concrete elevator pit and control room footings, pit, holding pit, walls, and slab per 20&30/A9.72, and 15&17/S4.30. Scope of this Bid Package includes excavation and lay back of soils required to complete his work. This Bid Package is responsible to construct the elevator pit walls, after which the waterproofing contractor will complete the wall~~

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waterproofing system. This Bid Package is then responsible for backfilling and compaction around the pit walls as shown on these details.

This Bid Package is also responsible to complete the concrete and masonry work at the increment 2 elevator.

Opening/Block

Coordination/Opening/Block-outs:: This Bid Package is responsible to coordinate with mechanical, electrical, plumbing, fire extinguishers systems, and all other items requiring recess or openings in the work of this Bid Package, and is responsible to provide block-outs for passage of piping and other elements where required for other Bid Contractors and where indicated to do so on the drawings.

Trash Enclosure: This Bid Package is responsible to complete the trash enclosure footings and walls. Shall coordinate with BP01 masonry subcontractor for installation of CMU.

Misc. CIP Concrete: This Bid Package is responsible to complete all miscellaneous cast in place concrete items shown on the plans including CIP curbs at parking level, all wall curbs, all restroom curbs, concrete encasement of steel at composite columns where required, concrete mechanical equipment pads or housekeeping pads and locker curbs.

3. _____

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Anchor Bolts: This Bid Package is responsible for setting and placement of all anchor bolt templates and for all miscellaneous items requiring embedment into the concrete furnished in this Bid Package including headed bolts for steel stud framing;

—embedded steel fabricated items provided by Bid Package#05 (Structural Steel and Steel Decking);

8. Anchor Bolt Material: The structural steel Bid Package and Framing Bid Package shall deliver anchor bolts, templates, bolt and base plate assemblies, and other embedded items, including setting plans, to the jobsite and will place them at a storage location designated by the Construction Manager. This Bid Package is responsible for the accurate placement to locations and elevations of items per approved shop drawings or DSA approved design drawings. After placement of anchor bolts and before placement of concrete, this Bid Package is responsible to complete a survey, using a licensed surveyor, to verify the locations and elevations of anchor bolts, templates and levelling nuts. This Bid Package shall deliver the survey data to the Construction Manager for review and as a record of placement, and may not proceed with placing concrete until directed to do so by the Construction Manager. Subcontractor/Contractor is responsible to correct any items identified as varying from designed or approved locations and elevations. Contractor is to leave embedded items clean and ready for follow on work.

9. Grouting: This Bid Package is responsible for grouting of all base plates and other grouting where shown or indicated.

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~~LWCC: This Bid Package is responsible to complete all concrete over metal deck at buildings and the bridge, including the lightweight structural concrete floor slab and the topping slabs where they occur, including all reinforcing, supports and other accessories necessary for a complete system. All structural and miscellaneous steel and steel decking by Bid Package #05.~~

~~Stair Pan Fill: This Bid Package is responsible to complete the concrete pan fill and reinforcing indicated for stairs and stair landings. Scope of this bid package includes providing and setting into place the non-slip stair tread nosings nosing's prior to placing concrete. *(confirm, see BP # 05 scope also has this)*~~

~~10. S.O.G.: This Bid Package is responsible to complete all structural building slabs including uUnder sSlab vVapor, Retarder barrier where required.~~

~~11. Curbs: This Bid Package is responsible to complete the-Partitionany partition cCurbs where shown and required for interior and exterior walls, including concrete, forming, -providing and installing studded anchor bolts, the treated dove tail nailers, and all edge-of deck slab curbs where shown and all stem walls including water stops.~~

~~Site Curbs/Concrete Bands: This Bid Package is responsible for all site curbs and concrete bands for which synthetic track surfacing attaches to perimeter with the exception of the interior and exterior concrete curb at the synthetic track which shall be the responsibility of Bid Package 06. This Bid Package shall meet all tolerances required per the synthetic surfacing and permeable base specifications. The outside track edge detail shown on L5.05 is the typical detail for the entire outside track perimeter. Bid Package 03 is responsible for all site curbs and concrete bands for which synthetic track surfacing attaches to perimeter with the exception of the interior and exterior concrete curb at the synthetic track which shall be the responsibility of Bid Package 06. Bid Package 06 is responsible for the perimeter curbing, concrete associated with the slot drain, and the flush curb/thickened apron. Bid Package 13 – Fencing and Gates shall install the concrete associated with the fence posts footing, and Bid Package 03 – Concrete shall provide the fence band and dowels into thickened apron.~~

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Anchor Bolts: This Bid Package is responsible for providing, locating, and placing headed anchor bolts for anchorage of light gauge metal framing.

12. Formwork: This Bid Package is responsible for all forming required for all the concrete scope of work of this package including all steps, formed edges, transitions, keys, depressions, and sloping.

13. S.O.G. Depressions: This Bid Package is responsible to complete slab depressions, as indicated on the Contract Documents for the walk of mats, Nanawall and all other, and elements requiring depression into or casting into concrete slabs, and to coordinate depression to accept components and work provided, furnished and installed by others.

14. Concrete Finishing: This Bid Package is responsible for the finishing of all concrete in the scope of work of this package, including all exposed and sacked finishes, colored concrete, etc.

Includes sandblasting or other finishes where called for on drawings. Includes any / all samples or mock-up specified in the Project Manual.

15. Cure/Sealing: This Bid Package is responsible for completing the curing and sealing of all concrete work.

16. Joints and Joint Sealants: This Bid Package is responsible for furnishing and installing completing all joints in concrete work including isolation joints, dowels, construction and contraction-expansion joints, s-Saw cut joints, and any others shown on the plans and

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required by the Specifications. Includes placement of all joint concrete joint materials. Expansion Control per Division 7 and Seismic Plates or Seismic Covers are to be provided by others. This Bid Package is responsible to coordinate with other contractors providing these items and make allowance for placement of such items, in this Bid Packages (concrete) work.

Waste: Contractor is to remove all trash generated by this Bid Package from the project at their expense.

Survey: Owner to provide semi-permanent hubs for Contractor to "bench in" from.

Signage on elevator tower 8/A6.01?

SITE CONCRETE

17. Concrete Paving and Detectable Warning Tiles: This Bid Package is responsible to complete the concrete paving as shown on the civil, landscape, and architectural drawings, including concrete paving types 1&2; detectable warning tiles and truncated domes, city sidewalk, 4" PCC hardscape, the 9.5" concrete pavement per plans, planter walls, and retaining walls, concrete stairs, light pole bases (Musco lights excluded), ramps and stairs as indicated.

18. Concrete Seat Wall: This Bid Package is responsible to complete all seat walls along with providing all necessary concrete reinforcement as specified in the drawings and described in the specifications.

Monumental Sign: This Bid Package is responsible to complete all of the concrete for the monumental sign as shown in the plans and described in the specifications. Coordinate with any related Bid Packages for relevant work needed to complete this scope.

19.

4-20. Subgrade Prep: Mass grading and fine grading to be by others. Subgrade will be left +/- .10"± for design subgrade by Grading Bid Package. Scope for this Bid Package includes

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~~proof –rolling and, preparation of the subgrade soils prior to placement of aggregate base, reinfereinforcing and concrete.~~

~~**Light Pole Bases:** This Bid Package is responsible to provide and install the concrete electrical light pole bases as indicated on the Contract Documents. Coordinate with electrical (Bid PackageBP-26-13-142-14) for installation. (BP14) Bid Package 1326142 will supply all required anchor bolts and templates which shall be set/installed by this Bid Package.. Excludes Musco light foundations to be provided by the electrical contractor bid package.. The structural steel Bid Package shall deliver, reinforcement cage, anchor bolts, templates, bolt and base plate assemblies, and other embedded items, including setting plans, to the jobsite and will place them at a storage location designated by the Construction Manager. This Bid Package is responsible for the accurate placement of items per approved shop drawings or DSA approved design drawings. After placement of anchor bolts and before placement of concrete, this Bid Package is responsible to complete a survey, using a licensed surveyor, to verify the locations and elevations of anchor bolts, templates and levelling nuts. This Bid Package shall deliver the survey data to the Construction Manager for review and as a record of placement, and may not proceed with placing concrete until directed to do so by the Construction Manager. Contractor is responsible to correct any items identified as varying from design or approved locations and elevations. Contractor is to leave embedded items clean and ready for follow on work.~~

- ~~5. —~~
- ~~21. —~~

~~This Bid Package is responsible for all site concrete work, on site and off site, shown on drawings and, referenced in the sSpecifications, and as required, to complete the scope of work for the entire project. both Increment 1 and Increment 2. Includes all Type A and B curb, Curb Transitions, U-gutters, ADA Ramps, V- ditches and V-Ditch transitions to inlet structures, splash-walls, splash blocks and all other site concrete elements shown on the plans.~~

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~~This Bid Package is responsible to provide all reinforcing steel for the work of the Site Concrete of this Bid Package.~~

~~25.~~

~~Bollards: This Bid Package is responsible for coordination and installation of pipe bollards. Bollards will be provided by the Bid Package 05. This Bid Package is responsible for excavation, reinforcement, concrete, and placement of pipe bollards.~~

~~All storm drain construction items and bio filtration items will completed by Bid Package 14, Site Utilities and Building Plumbing. This includes the 4" rectangular pipe, galvanized steel inlet structures, down drain and outlet, storm drain piping, storm drain piping encasement, drop inlets, junction box, grate & frame, Bio clean media flume filters and steel tray, inlet structure with splash walls, spigot housing adapter. (CONFIRM THIS IS THE SCOPE WANTED FOR BP 14.)~~

~~Patchback: This Bid Package is responsible to complete all asphalt patch back required at new improvements.~~

~~Wheel Stops and Striping: This Bid Package is responsible to complete all wheel stops, and all pavement markings.~~

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22. Additional Testing: The Owner will pay for and arrange for all testing. In the case of any concrete identified as defective, this Bid Package is responsible to pay the cost to strength test sampling by District’s testing agency, for any costs of design or engineering occasioned caused by any such effective defective work or materials, and to complete any remedial work including repair and/or replacement. If such replacement involves any surrounding work or improvements put in place by others, this Bid Package is responsible for the cost of removal or replacement of same.

23. Temporary Shoring: This Bid Package is responsible to provide temporary shoring, fencing, guardrails, caps and any other necessary safety items required for completion of operations of this Bid Package.

This Bid Package is responsible for traffic control (including flagman), delineation, and other measures as may be necessary to complete the operations of This this Bid Package #04 for Abutment #1 and Abutment # 2 concrete column and column cap work, and for all other items work of this Bid Package.,
The implementation of the approved CalTrans Traffic Control plan measures shall be by BP01.

24. Additional Traffic Control: Where traffic control is required, in addition to that which is identified in the Traffic Control Plan, this Bid Package shall pay for and secure necessary permits from authorities having jurisdiction over the public right(s) of way in which the work is taking place. Times allowable for operations of this Bid Package #04 work and closures of parts of Pacific Coast Highway may be restricted. This Bid Package is responsible to confirm available and/or restricted hours, and to schedule and perform related work accordingly.

6.25. Mis. CIP Concrete: This Bid Package is responsible to complete all miscellaneous cast in place concrete items shown on the plans including CIP curbs, mow curbs, building mow strips, all wall curbs, all restroom curbs, concrete encasement of steel where required, concrete mechanical equipment pads or housekeeping pads and locker curbs.

7.26. Permits: This Bid Package is responsible for procuring any and all required permits through the relevant agencies.

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Survey: Owner to provide semi-permanent line and elevation benchmark hubs in the field for Contractors use. Contractor to provide all survey to establish accurate points to perform their Work from these hubs.

NOTES ON WATERPROOFING:

I suggest include the waterproofing in bid package BP-04 with Concrete.

There is also some waterproofing at the elevator pit Increment 1, so there is enough scope for a waterproofing subcontractor and they have coordinate with C.I.P. concrete, and Shotcrete.

Detail 1/A94/1 is the only detail addressing the retaining wall condition.

It seems incomplete because it shows the Tremdrain 1000 drainage mat and perimeter drain, but it does not call out the waterproofing membrane. Section 071416 indicated a fluid-applied system, which I am not sure is right for this. Usually it is something like a bentonite sheeting.

3. Contract Scope: This Bid Package (BP1112) Contract scope of work includes: all work required furnish and install all motor starters, heaters, control panels, shut off valves, regulators and any terminal device as required for a complete and operational HVAC system to furnish and install all on-site/off-site, as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections as illustrated in the Division of Work Dot Matrix 01-10-00. Coordinate with Electrical for location, connection and type.
4. HVAC Installations: HVAC Structural Supports & Bracing: Furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Mechanical drawings, or not specifically detailed but required. Mechanical attachments generically referred to on Architectural drawings shall be considered within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12" in length and provide approved splice after fireproofing is installed.
5. HVAC: This Bid Package (BP12) is responsible for any and all work shown on the Mechanical drawings and all related specifications, including certified air balance, as well as coordination with other Trade Contractors.
6. HVAC Curbs: Furnish and completely install factory curb systems.

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- ~~7. Energy Management Systems (EMS) Control System: Furnish and install all low voltage control wiring, conduit, devices and other equipment required for a complete and operational EMS control system.~~
- ~~8. Fire Penetrations: All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements~~
Protection Covers: Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed.
Access Doors: This BP is responsible for all access doors and hatches required to complete this Bid Package’s scope of work.
Furnished By Others (FBO): Locate and install FBO duct detectors. Coordinate with Electrical for connection and type.
Miscellaneous Blocking: This bid package may be required to place blocking, this work may require coordination with other trades. It is the contractor’s responsibility to perform this coordination with other bid packages.
Exterior Galvanized Pipe: Galvanized piping to be provided at all exterior locations.
Black-out HVAC Equipment: Provide blackout painting on all ductwork visible through grills, registers and other openings.
Flashings and Waterproof Products: Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.
Commissioning Schedule: Provide complete testing and commissioning schedule within 30 calendar days of Notice to Proceed.

D. GENERAL REQUIREMENTS AND PROVISIONS:

- 1. This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

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BUILDING INFORMATION MODELING

~~BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing, Fire Sprinkler and Structural related coordination issues per the Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM).~~

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

1. ~~Schedule: Refer to **Construction Manager’s Bid Schedule and associated attachments** for project duration, **phasing** and general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 163 – Master Construction Schedule for specific schedule requirements.~~

F. ALLOWANCES:

1. ~~The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in **Specification Section 012-21-00:the bidding documents**.
The allowance shall be identified as an individual line item on the schedule of values.
The allowance shall not be used unless the CONTRACTOR receives formal written direction from the Owner and/or its Representative identifying additional work at which time the CONTRACTOR shall submit to the Owner for its consideration and approval or disapproval the cost associated with the work. Written notification clearly identifying the additional scope of work required from the CONTRACTOR and the agreed upon dollar amount associated with the work shall be approved by the Owner before such work is performed. The use of the allowance amount shall be at the sole discretion of the Owner.
The base bid shall include all contractor overhead and profit, bonds, and insurance associated with the allowance work/amount.
Any funds remaining in the Allowance at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.~~

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~~This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within **Specification Section 01101000**. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between **Specification 01101000** and this Section, the most stringent shall apply.~~

~~**BUILDING INFORMATION MODELING**~~

~~BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing, Fire Sprinkler and Structural related coordination issues per the **Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM)**.~~

~~**SCHEDULING, SEQUENCING AND MOBILIZATIONS:**~~

~~Schedule: Provide preparation and submission of a comprehensive Construction Progress Schedule for up-to-date maintenance or proposed modifications as required by the Division 0 and 1 of the **Contract Documents Master Construction Schedule 01 32 13**. Three Week Look Ahead schedule shall be submitted by noon the day prior to the scheduled Weekly Construction Manager & Contractor Progress Construction Meetings. Refer to **Exhibit XX – Construction Baseline Schedule and Attachments** for project duration and completion dates.~~

~~**ALLOWANCES:**~~

~~The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in **Specification Section 012XXX**.~~

~~The allowance shall be identified as an individual line item on the schedule of values.~~

~~The allowance shall not be used unless the CONTRACTOR receives formal written direction from the Owner and/or it's Representative identifying additional work at which time the CONTRACTOR shall submit to the Owner for its consideration and approval or disapproval the cost associated with the work. Written notification clearly identifying the additional scope of work required from the CONTRACTOR and the agreed upon dollar amount associated with the work shall be approved~~

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~~by the Owner before such work is performed . The use of the allowance amount shall be at the sole discretion of the Owner.~~

~~The base bid shall include all contractor overhead and profit, bonds, and insurance associated with the allowance work/amount.~~

~~Any funds remaining in the Allowance at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.~~

END OF SECTION

9. _____

10. _____ Hours of Work: Contractor to comply with Legal Construction Hours per the City of Lawndale. Construction is prohibited on Sunday and national holidays. Except in emergency situations, construction is only permitted:

Monday – Friday, 7:00 a.m. – 7:00 p.m.

Saturday, 8:00 a.m. – 5:00 p.m.

11. _____ Deliveries: Drop-off and pickup times of all equipment and material shall comply with the City of Hawthorne construction hours.

12. _____ Freight on Board: Freight on Board (FOB) items will be the responsibility of the installing Bid Package to off load and store.

13. _____ Truck Hours of Operation: Any and all trucks entering and/ or exiting the construction site shall only be after the hours of 8:30am school days to avoid congesting W. El Segundo Ave.

14. _____ Owner Notifications: Provide notification to the Owner’s Representative and Construction Manager in a timely manner to facilitate all testing and inspection requirements and in accordance to

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Division 0 and 1 of the Contract Documents and the specific testing requirements of each section where they occur.

- 15. Request For Clarifications: Provide timely requests for clarifications and other information to allow reasonable response time and avoid delay to the construction schedule as described in Division 0 and 1.
- 16. Allowances: Provide an allowance in the base bid of this Contract to be used as directed by the Construction Manager as specified under Section 01 21 00. This allowance is in addition to the specific requirements of the scope of work. All unused portions of the allowance will be credited back to the Owner at the end of the Project via a credit change order. Allowances must be included as a separate line item on the schedule of values and may not be billed to the Owner unless prior written direction is given to the Trade Contractor by the Construction Manager.
- 17. Contractor Lay Down Area Approval: Location of material and lay down area, waste containers, temporary facilities and site coordination to be approved and coordinated by the Construction Manager, refer to **Exhibit 01 – Owner & Contractor Laydown Area Plan.**
- 18. Coordination & Layout: This Bid Package (BP1112) is responsible to provide all coordination and layout for the other Bid Packages and trades when components are scheduled to attach or are directly affected by the elements of work with in this Contract.
- 19. Contamination Caution: Provide equipment petroleum protection to avoid soil contamination. Any soil contamination made by this bid package shall be properly disposed of and replaced with approved soil at no additional cost to the Centinela Valley Union High School District and no impact to the schedule.
- 20. Waste Disposal: This Bid Package (BP1112) is responsible for all waste generated by this Bid Package and the proper disposal of all waste generated by this Bid Package.
- 21. Excess Material: Haul off excess materials to complete this scope of work.
- 22. Daily Housekeeping: Continuous housekeeping and daily cleanup is mandatory for all Bid Packages. Contractor shall place construction debris in own debris boxes and remove debris from site at Contractor's own expense prior to the end of the work day or as directed by the Construction Manager. All debris boxes will be identified for this contracts use, and containers

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shall be kept free of graffiti at all times. Failure to perform this task daily, will cause the Owner to exercise its right to self perform work and direct the clean up by others at the expense of the Contractor.

23. ~~Existing Conditions:~~ This Bid Package (BP1112) is responsible to make a thorough inspection of the Project sites and on-site/off-site conditions. By submitting a bid, this Bid Package assumes full responsibility for existing conditions with respect to the intentions of the Documents and waives any additional compensation for work required by any visible or known current circumstance that is in conflict with the Documents. Any damage done to existing features or known utilities, in the course of work in this Bid Package, will be repaired by this Bid Package at no cost to the Owner.

24. ~~Existing Site Conditions:~~ The Contractor shall make a thorough examination of the site to determine all existing conditions affecting the work prior to beginning any work under this Bid Package.

25. ~~Best Management Practice:~~ This Bid Package (BP1112) shall include in their bid (not part of the allowance) all best management practices associated with work under this Bid Package. This includes, but is not limited to: providing concrete washout pits, dust control, and cleaning of streets due to trucking on or off the site, controlling water runoff into storm drains or offsite during concrete placement and clean-up operations and containment of all toxic material as required by law. Clean-up and dispose of all temporary washout pits, and other temporary facilities as required and legally dispose of all waste material. This Bid Package will pay all penalties or fines due to any violations issued to the Owner for this Bid Package's failure to meet requirements by the State or other Government agencies for non-compliance with the State or Federal Clean Water Act or other regulations.

26. ~~Anticipated Rain Delay Days:~~ Refer to Division 01, Master Construction Schedule Specification Section 01-32-13.

27. ~~Submittals & Shop Drawings:~~ Provide all shop drawings and submittals so as not to cause delay to the construction schedule, this bid package, or any other bid package included in this Project.

28. ~~Construction Meetings:~~ This Bid Package (BP1112) is responsible for attending the Pre-Construction Meeting, Pre-Installation Meetings, BIM-Modeling Meeting, Coordination Meetings, Safety Meetings and any other meetings scheduled by the Construction Manager. Contractor's

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Superintendent or Project Manager is required to attend weekly safety coordination meetings.

- 29. **BIM Coordination:** This Bid Package (BP1112) is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing and Fire Sprinkler related coordination issues per the Specification Section 01-31-13 – Project Coordination /Building Information Modeling (BIM).
- 30. **Schedule:** Provide preparation and submission of a comprehensive Construction Progress Schedule for up-to-date maintenance or proposed modifications as required by the Division 0 and 1 of the Contract Documents Master Construction Schedule 01-32-13. Three-Week Look-Ahead schedule shall be submitted by noon the day prior to the scheduled Weekly Construction Manager & Contractor Progress Construction Meetings. Refer to **Exhibit 03 – Construction Baseline Schedule and Attachments** for project duration and completion dates.
- 31. **Mobilization:** This Bid Package (BP1112) is responsible for the mobilization and ALL necessary move-ins as required by the phasing and durational schedule in Division 0 and 1 to perform the work associated with this Bid Package. Construction Phasing Plan: Phase 1, Phase 2 and Phase 3 refer to **Exhibit 01 – Construction Phasing plan.**
- 32. **Tests and Inspections:** Except as set forth below, the District will pay for fees, costs and expenses to complete the initial tests/inspections of portions of the Work as required by law, code or regulation, provided that such tests/inspections are conducted and completed at a location within a one hundred (100) mile radius of the Site. The foregoing notwithstanding, if the portion(s) of the Work subject to tests/inspections is/are not ready for such test/inspection at the time indicated in the Contractor’s notice under Article 26 or if upon completion of such test/inspection, the portion(s) of the Work subject to such test/inspection do not meet or exceed the minimum requirements of such test/inspection, the Contractor shall be solely responsible for the payment of all fees, costs or expenses arising out of or related in any manner to subsequent tests/inspections of such portion(s) of the Work. Notwithstanding the District’s payment of fees, costs or expenses for conducting initial tests/inspections, if any actions or failures to act of the Contractor or person or entity providing or performing Work under the direction or control of the Contractor require

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tests/inspections to be conducted over a period of more than eight (8) hours per day by any single person or on weekends/holidays, the Contractor shall be solely responsible for the payment of fees, costs or expenses which result from test/inspection services which exceed eight (8) hours per day by any single person or on weekends/holidays. If any tests/inspections are conducted outside a one hundred (100) mile radius of the Site, the Contractor shall be solely responsible for all costs, fees or expenses to conduct and complete such tests/inspections conducted at such location, including without limitation, costs to complete such tests/inspections and travel, meal and related expenses.

- 33. ~~Scissor Lifts:~~ Contractor will not be allowed to use scissor lifts exceeding 1,000 pound gross weight on the second floor.
- 34. ~~HVAC Installations:~~ Furnish and install all motor starters, heaters, control panels, shut off valves, regulators and any terminal device as required to complete this Bid Package's scope of work. Coordinate with Electrical for location, connection and type.
- 35. ~~HVAC Structural Supports & Bracing:~~ Furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Mechanical drawings, or not specifically detailed but required. Mechanical attachments generically referred to on Architectural drawings shall be considered within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12" in length and provide approved splice after fireproofing is installed. Coordinate with CM. If "Or Equal" equipment for specification sections 23-81-19 (roof top air conditioners) and section 23-81-26 (split system air conditioners) are submitted all must meet the design intent, and any related costs incurred including other bid packages to meet the design intent will be at no cost to the district.
- 36. ~~HVAC:~~ This Bid Package (BP11) is responsible for any and all work shown on the Mechanical drawings and all related specifications, including certified air balance, as well as coordination with other Trade Contractors.
- 37. ~~HVAC Curbs:~~ Furnish and completely install factory curb systems.
- 38. ~~Energy Management Systems (EMS) Control System:~~ Furnish and install all low voltage control wiring, conduit, devices and other equipment required for a complete and operational EMS control system.

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- 39. ~~Fire Penetrations:~~ All penetrations through a fire-rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements
- 40. ~~Protection Covers:~~ Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed.
- 41. ~~Access Doors:~~ This BP is responsible for all access doors and hatches required to complete this Bid Package's scope of work.
- 42. ~~Furnished By Others (FBO):~~ Locate and install FBO duct detectors. Coordinate with Electrical for connection and type.
- 43. ~~Miscellaneous Blocking:~~ This bid package may be required to place blocking, this work may require coordination with other trades. It is the contractors responsibility to perform this coordination with other bid packages.
- 44. ~~Exterior Galvanized Pipe:~~ Galvanized piping to be provided at all exterior locations.
- 45. ~~Black-out HVAC Equipment:~~ Provide blackout painting on all ductwork visible through grills, registers and other openings.
- 46. ~~Flashings and Waterproof Products:~~ Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.
- 47. ~~Commissioning Schedule:~~ Provide complete testing and commissioning schedule within 30 calendar days of Notice to Proceed.
- 48. ~~Punch List:~~ Provide punch list repairs/corrections for this scope of work within thirty five (35) calendar days and will be held responsible for liquidated damages. Reference Front End Bid Document Article 59 and Article 62.

C. ~~CONTRACT METHOD:~~

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- ~~1. The Governing Board intends to award the contract to the lowest responsive and responsible bidder. The lowest bid shall be the lowest base bid.~~
- ~~2. Construct the Work under a single lump sum contract and provide a schedule of values with a breakdown of costs for all items of work over 5 percent of the contract value.~~

~~D. CONTRACTOR USE OF PREMISES:~~

- ~~1. Contractor shall have use of the premises for the execution of the work.~~
- ~~2. Coordinate use of the premises under the direction of the Construction Manager.~~
- ~~3. Assume full responsibility for the protection and safekeeping of products under this Contract that are located and/or stored on the site.~~
- ~~4. Move any stored products under Contractor's control that interferes with the operations of the Owner and/or any other Bid Package that is on a separate contract.~~
- ~~5. Obtain and pay for the use of additional storage or work areas needed for operations.~~
- ~~6. Contractor shall assume all responsibility for parking his own and his subcontractor's vehicles at the Owner approved locations. Contractor shall direct all material deliveries to the designated construction entrances.~~
- ~~7. All Owner property is tobacco free, drug free, alcohol free, weapons free and graffiti free. Contractor shall enforce these rules to his crew, subcontractors and suppliers.~~
- ~~8. Contractor will be required to maintain appropriate approvals for work on an occupied site. Refer to the General Conditions for requirements.~~
- ~~9. Contractor shall provide the name, telephone number and cellular phone number for the superintendent for their entire scope of work within 7 calendar days of the Notice to Proceed. This individual shall serve as the Contractor's representative.~~

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TK-PK Classrooms & Early Learning Building

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END-OF-SECTION

SUMMARY OF WORK

SECTION 01 10 10-043

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SUMMARY OF WORK

SECTION 01 10 10-121

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BID PACKAGE 04
STRUCTURAL STEEL & MISCELLANEOUS METALS

SECTION 01 10 10-04

SUMMARY OF WORK

1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

A. Work Covered by Contract Documents

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- B. Basic Scope of Work Summary

- C. Specific Scope of Work Provisions

- D. General Scope of Work and Provisions

- E. Scheduling, Sequence of Work, and Mobilizations

- F. Allowances

A. WORK COVERED BY CONTRACT DOCUMENTS:

1. **Work Included:** The work to be performed by Contractor shall conform to the requirements of all of the Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

Salvage, "Carefully detach from existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. BASIC SCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: all **Structural Steel, Metal Fabrications, and Miscellaneous Metals** work required for a complete and operational building system as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections.
2. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:
 - Primary Technical Specifications
 - Division 0 (Bid Documents)
 - Division 1
 - 011000 – SUMMARY
 - 012600 – CONTRACT MODIFICATION PROCEDURES
 - 012900 – PAYMENT PROCEDURES
 - 013100 – PROJECT MANAGEMENT AND COORDINATION
 - 013200 – CONSTRUCTION PROGRESS DOCUMENTATION

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013300 – SUBMITTAL PROCEDURES
014000 – QUALITY REQUIREMENTS
014200 – REFERENCES
015000 – TEMPORARY FACILITIES AND CONTROLS
015639 – TEMPORARY TREE AND PLANT PROTECTION
015723 – TEMPORARY STORM WATER POLLUTION CONTROL
016000 – PRODUCT REQUIREMENTS
017300 – EXECUTION REQUIREMENTS
017419 – CONSTRUCTION WASTE MANAGEMENT
017700 – CLOSEOUT PROCEDURES
017823 – OPERATION AND MAINTENANCE MANUAL
017839 – PROJECT RECORD DOCUMENTS
017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

051200 – STRUCTURAL STEEL FRAMING
055000 – METAL FABRICATIONS
078446 – FIRE-RESISTIVE JOINT SYSTEMS
079200 – JOINT SEALANTS

3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work

- Related Technical Specifications:
 - 031000 – CONCRETE FORMING AND ACCESSORIES
 - 032000 – CONCRETE REINFORCING

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033000 – CAST IN PLACE CONCRETE

042000 – UNIT MASONRY

092900 – GYPSUM BOARD

099100 – PAINTING

All other Specification Sections as they interface or relate to this Scope of Work

C. SPECIFIC SCOPE OF WORK PROVISIONS:

1. Structural Steel: This Bid Package is responsible for the completion of all structural steel framing shown on the plans and described in the Specifications including all embeds, columns, beams, metal decking, metal bollards and all misc. fabricated steel items necessary to complete the projects scope of work.
2. Traffic Control: Traffic Control is required for all deliveries associated with this Bid Package. Contractor is to provide flagmen and other personnel to safely deliver any and all material and equipment to the site.
3. Hoisting and Rigging: This Bid Package is responsible to provide all cranes, hoists, lift equipment and coordination to complete the erection, installation, and assembly of the Structural Steel, Misc. Metals, Metal Decking and related components associated with this Bid Package.
4. Finishes: This Bid Package is responsible to complete all shop priming and galvanization, as indicated in the Contract Documents, of structural steel members and fabricated items provided under this Bid Package.
5. Embeds and Attachments: This Bid Package is responsible to fabricate and provide all structural or miscellaneous steel items to be embedded in concrete or masonry. This includes, but is not limited to, all closure pieces, templates, anchor bolts for structural or fabricated steel items, threaded studs or Nelson studs for attachment to structural or misc. steel, base plates, embed plates for connection of steel beams, columns, and other framing members, ledger angles, or shear plates. Scope of this bid package includes fabrication, delivery to the jobsite, and placement at a staging location designated by the Construction Manager. Bid package 04 MASONRY shall install all embeds in masonry provided by and for this Bid Package.
6. Surface Preparation: This Bid Package is responsible to complete the surface preparation and priming for all scope related items as designated on the plans and specifications. Surface

preparation includes but is not limited to grinding of welds, fill weld access holes and erection bolt holes, consistent alignment, orientation and length of bolts, removal and patching of any embossed or stamped lettering or numbering, lifting tabs, erection aids, temporary connections, etc. Finish coatings will be completed by Bid Package 01.

7. Metal Decking: This Bid Package is responsible to complete all metal deck shown on the plans. This scope includes all decking and/or structural decking, welding where shown on the drawings and as otherwise indicated by the specifications. After installation, metal decking shall be left in a clean and orderly condition for the next follow on Contractor.
8. Installation and Attachment: This Bid Package is responsible to provide and install all materials necessary for a complete installation of the metal decking including all closure plates/closure angles, deck edge angles, Z closure plates (both gauged, and ¼” or greater where required), angles for support of decking, reinforcing steel welded to decking or to closure plate, shear studs, beam shims, bent plates.
9. Welding: This Bid Package is Responsible for all welding and/ or bolting for metal decking and all items included in this Bid Package. This Bid Package shall provide its own reliable source of power for welding associated with this Bid Package.
10. Metal Deck Openings: This Bid Package shall provide openings in the metal decking where other contractors require penetration of the decking to complete their scope or as indicated on the drawings. This Bid Package shall coordinate with said contractors for layout and shall provide and install any necessary reinforcing before cutting the deck.
11. Temporary Railings: This Bid Package is responsible to construct metal stairs and all related work of this Bid Package, including railings, according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.
12. Metal Fabrication: All applicable requirements of Division 5 apply to the scope of work of this Bid Package, and are included in the scope of work of this Bid Package. This Bid Package is responsible to complete all metal fabrications shown on the drawings and identified in the specifications, including those listed in Specification Section 055000.
13. Ladders: This Bid Package is responsible to furnish and install all steel ladders as shown or indicated in the Contract Documents.
14. Countertop Supports: This Bid Package is responsible to provide fabricated steel countertop supports as shown on the drawings. Supports are to be delivered to the job site when scheduled by the Construction Manager, for installation by Bid Package 01.
15. Equipment anchorage for mechanical equipment including drilling and bolting per plans to be provided by the respective TRADE CONTRACTORS of Bid Packages 10, 12, 13, and 14.

16. Pipe and Tube Railings: This Bid Package is responsible to construct pipe and tube railings and all related work of this Bid Package according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.
 17. Joint Sealant: This Bid Package (BP01) shall furnish and install caulking and sealants as required between components of work provided under this Bid Package and also between concrete and gypsum and plaster, and concrete and structural steel work, and all work previously installed which adjoins work of this section. All sealants to be installed per specification.
 18. Coordination: This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.
 19. Safety cabling: This Bid Package is responsible for all safety cabling required around the perimeter of the building and is only to be removed at the direction of the Construction Manager.
 20. This Bid Package is responsible for all welding required for completion of the entire scope of work of this bid package.
 21. This Bid Package is responsible for securement of the work of all items of this bid package to work or improvements completed by others, including all anchors necessary for attachment to the Work of this Bid Package.
 22. This Bid Package is responsible to provide all metal fabrication items as primed, primed for High Performance coatings, or hot dipped galvanized, as indicated in the drawings and specifications.
- D. GENERAL REQUIREMENTS AND PROVISIONS:
1. This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.
- E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:
1. Schedule: Refer to **Construction Manager's Bid Schedule and associated attachments** for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings weekly with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.
- F. ALLOWANCES:

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1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 01 21 00.

END OF SECTION

BID PACKAGE 05

GYPSUM BOARD, LATH & PLASTER

SECTION 01 10 10-05

SUMMARY OF WORK

1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

- A. Work Covered by Contract Documents

- B. Basic Scope of Work Summary

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- C. Specific Scope of Work Provisions

- D. General Scope of Work and Provisions

- E. Scheduling, Sequence of Work, and Mobilizations

- F. Allowances

A. WORK COVERED BY CONTRACT DOCUMENTS:

1. Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

Salvage, "Carefully detach from existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. BASIC SCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: Furnish all labor, materials, and equipment necessary to complete **Non-Load-Bearing Steel Framing, Gypsum Board, Lath and Plaster** as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections.
2. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:

- Primary Technical Specifications
Division 0 (Bid Documents)

Division 1

011000 – SUMMARY

012600 – CONTRACT MODIFICATION PROCEDURES

012900 – PAYMENT PROCEDURES

013100 – PROJECT MANAGEMENT AND COORDINATION

013200 – CONSTRUCTION PROGRESS DOCUMENTATION

013300 – SUBMITTAL PROCEDURES

014000 – QUALITY REQUIREMENTS

014200 – REFERENCES

015000 – TEMPORARY FACILITIES AND CONTROLS

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015639 – TEMPORARY TREE AND PLANT PROTECTION

015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

017300 – EXECUTION REQUIREMENTS

017419 – CONSTRUCTION WASTE MANAGEMENT

017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

078413 – PENETRATION FIRESTOPPING

078446 – FIRE-RESISTIVE JOINT SYSTEMS

079200 – JOINT SEALANTS

092216 – NON-LOAD-BEARING STEEL FRAMING

092400 – PORTLAND CEMENT PLASTERING

092900 – GYPSUM BOARD

3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work:

- Related Technical Specifications:
 - 051200 – STRUCTURAL STEEL FRAMING
 - 061000 – ROUGH CARPENTRY
 - 062000 – FINISH CARPENTRY
 - 064023 – INTERIOR ARCHITECTURAL WOODWORK
 - 072100 – THERMAL INSULATION
 - 076200 – SHEET METAL FLASHING AND TRIM
 - 081113 – STEEL DOORS AND FRAMES
 - 083113 – ACCESS DOORS AND FRAMES

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085113 – ALUMINUM WINDOWS

102800 – TOILET AND BATH ACCESSORIES

104400 – FIRE PROTECTION SPECIALTIES

220529 – HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT

224213.13 – COMMERCIAL WATER CLOSETS

224216.13 – COMMERCIAL LAVATORIES

224216.16 – COMMERCIAL SINKS

230529 – HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT

260500 – BASIC ELECTRICAL MATERIALS AND METHODS

C. SPECIFIC SCOPE OF WORK PROVISIONS

1. Gypsum Board: This Bid Package is responsible to provide all labor, material and equipment necessary to install all gypsum wallboard per Plans, Specifications and Addenda, including but not limited to; all lintels, soffits, gypsum board, moisture resistant gypsum board, cementious backerboard, wall sheathing, exterior ceiling and soffit sheathing, casing beads, compounds, joint treatments, tape, primers, texturing, finishes, acoustical sealants, foam moldings, expansion control joints, shims, anchors, fasteners, trim and accessories required for a complete and system and installation. Gypsum board shall be installed over framing (provided and installed by others).
2. Joint Sealant: This Bid Package shall furnish and install caulking and sealants as required between components of work provided under this Bid Package and also between concrete and gypsum and plaster, and concrete and structural steel work, and all work previously installed which adjoins work of this section. All sealants to be installed per specification.
3. Plaster: This Bid Package Contract scope of work includes: Provide all labor, materials and equipment necessary to install all cement plaster per Plans, Specifications and Addenda, including but not limited to; all exterior and interior plaster systems, wall and soffit cladding systems, insulation board, fluid applied air/moisture barrier, reinforced base coats, finish coats, insulation, standard mesh, high impact mesh, foam shapes, installation of access doors, shims, metal trim, plaster trim, aluminum trim, colors, papers, masking, furring channels, lath, scratch, brown coats, color coats, bonding agents, reinforcement, mesh, screeds, control joints, expansion joints, anchors, scaffolding, support systems, angles, tape, taping, tie-wires, primers, finishes, compounds, joint treatments, texturing, finishes, casing beds, corner beads, adhesives, backing channels, fasteners, caulking and sealants for a complete system and installation as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and materials in the Primary and Related Specification Sections.

4. Fire and Smoke Assembly Identification: Prior to completing work, this contractor shall install all fire and smoke assembly identification above ceiling grid at applicable wall types per specification.
 5. This Bid Package shall furnish and install all caulking and sealants as required between components of work provided under this Bid Package and also between concrete and gypsum and plaster, and plaster and metal wall panels, and all work previously installed which adjoins work of this section. All sealants to be installed per specification.
 6. This Bid Package is responsible for all penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements.
 7. Coordination with Contractor and other trades for blocking and backing requirements and locations, provide block-outs, blocking and backing for other trades. Layout is by others.
 8. This Bid Package is to provide warranties with all applicable Title 24 requirements.
 9. This Bid Package is required to protect and clean up plaster and drywall mud from adjacent surfaces. All floors to be scraped and broom cleaned. Provide dumpsters for cleanup and removal of own debris. Masking of doors and windows as required.
 10. This Bid Package is required to submit standard color charts to Owner for approval before ordering materials.
 11. This Bid Package is to provide gypsum board enclosures at supply and return plenums and bottoms of the air conditions curbs, as shown or specified.
 12. This Bid Package is to furnish and install all sound attenuation batts and fire safing at floor and roof levels as shown, specified and/or required.
 13. This Bid Package is responsible for supplying and installing Access Doors (as needed)
- D. GENERAL REQUIREMENTS AND PROVISIONS:
- This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.
- E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:
- Schedule: Refer to Construction Manager's Bid Schedule and associated attachments for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

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F. ALLOWANCES:

- a. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 01 21 00.

END OF SECTION

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BID PACKAGE ~~051210766~~

~~ROOFING AND SHEET METALSPORTSFIELD SPECIALTIES, BASE AND ASPHALTWOOD FRAMING~~

~~Roofing and Sheet MetalHVAC / MECHANICAL~~

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~~PART 1 – GENERAL~~

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1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a “Bid Package” number and title. The various prime Contractors are referred to herein as “TRADE CONTRACTORS” or “Contractors”.

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

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1.02 SECTION INCLUDES

~~A. Work Covered by Contract Documents~~

~~B. Basic Scope of Work Summary~~

~~C. Specific Scope of Work Provisions~~

~~D. General Scope of Work and Provisions~~

~~E. Building Information Modeling~~

~~E. Scheduling, Sequence of Work, and Mobilizations~~

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F. Allowances

A. Work Covered by Contract Documents

B. Narrative for Scope of Work

C. Contract Method

D. Contractor Use of Premises

A. WORK COVERED BY CONTRACT DOCUMENTS:

1. Work Included: The work to be performed by Contractor shall conform to the requirements of all of

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the Lawndale HS Athletic Fields and Practice Gymnasium Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

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Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Professional Mariner Training Center Project Bid Documents, which include but may not be limited to: Division 00, and Division 01 as well as the Orange Coast College, Agreement, Centinela Valley High School District Agreement General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

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1. _____ It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Furnish “Delivered to the job site, marked or otherwise identified, assembled, stored, ready and ready for installation.”

Install “Locate, lay out, temporarily shore or support, and erect to the completed and intended final use.”

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B. BASIC NARRATIVE FOR SCOPE OF WORKSCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: all ~~Structural Steel, Architecturally Exposed Structural Steel, Miscellaneous Metals, Handrails, and Metal Decking work~~Roofing and Sheet Metal wWork required for a complete and operational ~~buildingsports field and paving system system~~ as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections. ~~as illustrated in the Division of Work Det Matrix 01-10-00.~~ This Contract scope of work includes, but is not limited to, the following items of work:
2. This Bid Package ~~(BP1112)~~ Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:ALL preparatory work and the supply and installation_ of the following:
 - Primary Technical Specifications
Division 0 (Bid Documents)

Division 1

 011000 – SUMMARY
 012600 – CONTRACT MODIFICATION PROCEDURES
 012900 – PAYMENT PROCEDURES

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013100 – PROJECT MANAGEMENT AND COORDINATION

013200 – CONSTRUCTION PROGRESS DOCUMENTATION

013300 – SUBMITTAL PROCEDURES

014000 – QUALITY REQUIREMENTS

014200 – REFERENCES

015000 – TEMPORARY FACILITIES AND CONTROLS

015639 – TEMPORARY TREE AND PLANT PROTECTION

015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

017300 – EXECUTION REQUIREMENTS

017419 – CONSTRUCTION WASTE MANAGEMENT

017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

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GEOTECHNICAL REPORT

116833 – ATHLETIC FIELD EQUIPMENT

321123 – AGGREGATE BASE COURSES

321216 – ASPHALT PAVING

321723.13 – PAINTED PAVEMENT MARKINGS

321313 – CONCRETE PAVING

03300071413321814 0 CAST IN PLACE CONCRETE

051200 STRUCTURAL STEEL FRAMING

051213 ARCHITECTURALLY EXPOSED STRUCTURAL STEEL

053100 STEEL DECKING

054000 COLD-FORMED STEEL FRAMING

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055000 METAL FABRICATIONS _____

055100 METAL STAIRS _____

055213 PIPE AND TUBE RAILINGS _____

057210 ORNAMENTAL METAL RAILINGS _____

057220 ILLUMINATED ORNAMENTAL METAL RAILINGS _____

057320 CABLE RAIL SYSTEM _____

099600 HIGH PERFORMANCE COATINGS _____

Appendix Structure-Special Provisions _____

2. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work:

• Primary Technical Specifications:

230500 COMMON WORK RESULTS FOR HVAC

230513 COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT

230529 HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT

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~~230548 – VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING AND EQUIPMENT~~

~~230553 – IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT~~

~~230593 – TESTING, ADJUSTING AND BALANCING FOR HVAC~~

~~23071300 – DUCT HVAC INSULATION~~

~~230900 – BUILDING MANAGEMNT AND CONTROLAUTOMATION SYSTEM~~

~~232300 – REFRIGERANT PIPING~~

~~23311113 – METAL DUCTS~~

~~233300 – AIR DUCT ACCESSORIES~~

~~233713.13 – AIR DIFFUSERS~~

~~233423 – HVAC POWER VENTILATORS~~

~~233713.23 – AIRDIFFUSERS, REGISTERS AND GRILLES~~

~~234100 – PARTICULATE AIR FILTRATION~~

~~238119 – ROOFTOP AIR CONDITIONERS~~

~~238126 – SPLIT SYSTEM AIR CONDITIONERS~~
~~238126 – VARIABLE REFRIGERANT FLOW~~
~~SYSTEMS~~

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● ~~Secondary Related Technical Specifications:~~

~~078413 – FIRESTOPPING~~

~~078446 – FIRE RESISTIVE JOINT SYSTEMS~~

~~079200 – JOINT SEALANTS~~

~~083113 – ACCESS DOORS AND FRAMES~~

~~220529 – HANGERS AND SUPPORTS FOR PLUMBING EQUIPMENT~~

~~055000 – METAL FABRICATIONS 104400 – FIRE PROTECTION SPECIALTIES~~

~~211313 – HWET PIPE SPRINKLER SYSTEMS SYNTHETIC TURF PERMEABLE BASE SYSTEM (2 Layer)~~

~~321839 – SYTHETIC RUNNING TRACK A/C BASE AND SURFACING~~

~~334100 – SUBDRAINAGE~~

~~061000 – ROUGH CARPENTRY~~

~~061600 - SHEATHING~~

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078413 – PENETRATION FIRESTOPPING

078446 – FIRE-RESISTIVE JOINT SYSTEMS

079200 – JOINT SEALANTS

072726 – FLUID-APPLIED MEMBRANE AIR BARRIERS

074213 – MANUFACTURED COPPER ROOFING PANELS

0754190 – POLYVINYL CHLORIDE (PVC) ROOFING

076200 – SHEET METAL FLASHING AND TRIM

076500 – FLEXIBLE SHEET FLASHING

079200 – JOINT SEALANTS

079500 – EXPANSION CONTROL

3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work

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220529 – HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT

230529 – HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT

260529 – HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

• Secondary Technical Specifications:

031000 – CONCRETE FORMING AND ACCESSORIES

032000 – CONCRETE REINFORCING

033000 – CAST IN PLACE CONCRETE

042000 – UNIT MASONRY

051200 – STRUCTURAL STEEL FRAMING

062000 – FINISH CARPENTRY

064023 – INTERIOR ARCHITECTURAL WOODWORK

072100 – BUILDING INSULATION

075216 – MODIFIED BITUMINOUS MEMBRANE ROOFING

076200 – SHEET METAL FLASHING AND TRIM

092900 – GYPSUM BOARD

081113 – STEEL DOORS AND FRAMES

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085113 – ALUMINUM WINDOWS

220529 – HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT

230529 – HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT

260500 – BASIC ELECTRICAL MATERIALS AND METHODS

~~061600 SHEATHING321813 – SYNTHETIC TURF SURFACING~~

~~321839 – SYNTHETIC RUNNING TRACK SURFACING~~

~~All other Specification Sections as they interface or relate to this Scope of Work078400-
FIRESTOPPING~~

~~079200 – JOINT SEALANTS~~

~~083100 – ACCESS DOORS AND FRAMES~~

~~220529 – HANGERS AND SUPPORTS FOR PLUMBING AND EQUIPMENT~~

~~055000 – METAL FABRICATIONS~~

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SPECIFIC SCOPE OF WORK PROVISIONS:

C. ~~HOT FLUID-APPLIED RUBBERIZED ASPHALT WATERPROOFING~~
~~STRUCTURAL STEEL~~

1. ~~Hot Fluid-APPLIED Rubberized ASPHALT~~
~~Waterproofing ASPHALT PAVING~~

Structural Steel: This Bid Package is responsible for the completion of all Hot Fluid-Applied Rubberized Asphalt Waterproofing structural steel framing shown on the plans and described in the specifications including all 125 mil columns, beams, brace frames, and all fabricated steel items necessary to complete the building and bridge framings waterproofing membrane, 90 mil waterproofing membrane, primer, molded sheet drainage panels, reinforcing fabric, neoprene sheet, cants, and all other materials and waterproofing system components required to complete the scope of work of this section for both Increment 1 and Increment 2, including the following items further described below. asphalt paving including all aggregate base courses and seal coats. This includes any Plexipave surfacing, striping and basketball goal posts are the responsibility of Bid Package 06 – Sportsfield Specialties, Base and Asphalt.

Owner Furnished Owner Installed Items: The District has directly contracted with Astroturf to provide and install synthetic track surfacing and synthetic turf surfaces.

Painted Pavement Markings: This Bid Package is responsible for the completion of all pavement markings except for the lane striping of the synthetic track.

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Parking Lot Signage & Wheel Stops: This Bid package is responsible for the completion of all wheel stops and parking lot signage including but limited to; No Parking Signs, ADA Parking Signs, Vehicle Towing Signage etc. All other signage to be provided by other Bid Package.

Grading: This Bid Package is responsible to complete the finish grading of the Synthetic Turf field and Synthetic Track subgrade. This Bid package shall receive the areas at rough grade/initial finish grade from BP02 and shall be responsible for final grade for all scope of work associated with this Bid Package the completion of finish grading and the removal of all spoils generated from finish grading from the project site.

Conformance Surveys: This Bid package is responsible for the completion of all conformance surveys required for the subgrade of the Synthetic Turf Fields, the Permeable Base System and for the asphalt for the Synthetic Track System. All conformance surveys are to be complete by a California Licensed Surveyor contracted by this Bid Package in accordance with specification sections 321814 and 321839.

Permeable Base System and Subdrains: This Bid Package is responsible for the complete installation of the synthetic turf permeable base system including all aggregate permeable base, drain rock, drainage system components, subdrain piping, flat drains, geotextile fabrics and perimeter edge nailer. In general the delineation of scope between Bid Package 06 and

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~~Bid Package 09 – Site Utilities for the sub-drainage is within the interior perimeter curb for the track and synthetic turf fields. I.e. Bid Package 06 Sportsfield Specialties shall supply and install the field subdrains, perforated perimeter subdrains, subdrains at the long jump pits, batting cage and bull pen subdrainage, ACO chalen drain, and field utility box drains. Bid Package 09 – Site Utilities shall make the storm drain to subdrain trench connection and is also responsible for the subdrainage system for areas that are outside of the synthetic turf.~~

- ~~2.1. Framing:~~ In general this Bid Package is responsible for all Wood Framing which includes but may not be limited to: all wood framing, sheathing, glu-laminated beams, trusses, plywood web joists, wood "I" joists, wood-to-wood catalog hardware, fasteners, accessories, cabinet backing, wood nailers on steel beams, wood nailers for flashings, wood nailers for roofing systems, shaped nailers and blocking, plywood substrate for roof, mechanical equipment curbs, crickets, plaster grounds, soffit framing, support framing for roof and overflow drains, cricket framing, hardware, trim and accessories as required for a complete framing system and installation.
- ~~3.2. Rough Carpentry:~~ This Bid Package is responsible for all Rough Carpentry and Framing per specification section 061000
- ~~4.3. Sheathing:~~ This Bid Package is responsible for all Sheathing Construction per Specification Section 061600.
- ~~5.4. Concrete Embed Coordination:~~ This Bid Package shall provide detailed layout information to the Concrete Bid Package (BP03) for all framing related concrete embeds (material provided by this bid package), including but not limited to; all hold-down bolts, column bases, anchor bolts, plate splices, wall openings, curb breaks and other required areas. This Bid Package shall be on-site to

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provide review and layout of all framing related concrete embeds during the concrete foundation form work activity and installation. This Bid Package will be responsible for final review of all framing related embeds prior to concrete placement and notify the Construction Manager of any discrepancies or concerns 48 hours prior to concrete placement.

- 6.5. Nailers: This Bid Package shall coordinate nailer installation with Structural Steel Bid Package, Mason, and other trades in which a nailer is required. If this Bid Package elects to install nailers on the ground before the structural steel is erected, coordinate receiving, unloading and shakeout of materials as required so as not to delay the Structural Steel contractors' activities.
- 7.6. Door Opening Verification: This Bid Package shall be responsible to review and verify door throat sizes and frame dimensions with Bid Package (BP08) so as not to cause delay to the construction schedule.
- 8.7. Storefront Window System Verification: This Bid Package shall be responsible to review and verify Storefront Window System attachments, sizes and dimensions with other Bid Packages to meet the design intent and so as not to cause delay to the construction schedule.
- 9.8. Aluminum Window Frame Verification: This Bid Package shall be responsible to review and verify Aluminum Curtain Wall System attachments, sizes and dimensions with other Bid Packages to meet the design intent and so as not to cause delay to the construction schedule.
- 10.9. Access Doors and Frames Verification: This Bid Package shall be responsible to review and verify Access Doors and Frames locations, attachments, sizes and dimensions with other Bid Packages to meet the design intent and so as not to cause delay to the construction schedule.

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11.

Structural and Misc. Bridge Components: This Bid Package is responsible to furnish and install the steel and miscellaneous metal components for the pedestrian bridge including all steel structure, abutment cap base plates/sole plates, bearing pads, retainer plates, masonry plates, non-shrink grout, cover plates, C-channel and closure plates for sign supports, mesh guardrail and cladding, per the specification sections listed above, per the structural, Total flashed membrane thickness shall be of 215 dry mil minimum, as shown on the plan details, architectural and bridge drawings. Bridge signage per elevations and details on A9.90B to be done by Bid Package 01.

Surface Prep: This Prime Contractor is responsible to complete the cleaning of all foreign matter, paint, etc. from drain bodies, to bare metal, prior to applying waterproofing materials. Athletic Equipment: This Bid Package is responsible for the procurement and complete installation of all athletic equipment, including but not limited to all required excavations, reinforcing, concrete foundations and sawcutting or coring required for the installation of athletic equipment. All equipment as specified in section 116833 shall be provided by this Bid Package except for the following provided and installed by others:

116833-2.03.D Video Scoreboard (Structure by Concrete and Steel Bid Packages, Scoreboard set by General Bid Package, and connected by Electrical Bid Package)

116833 – 2.42. 20’ Stormguard Netting System (By Bid Package 13)

116833 – 2.43 Softball/Baseball Tensioned Netting System (By Bid Package 13)

116833 – 2.44 Softball/Baseball Tie-Back Backstop Netting System (By Bid Package 13)

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116833 – 2.45 Ultracross Netting at Softball and Baseball & Lacrosse (By Bid Package 13)

116833 – 2.46 High Tenacity Batting Cage Netting wGate Egress System (By Bid Package 13)

116833 – 2.49 VCP Windscreen (By Bid Package 13)

116833-2.6 Outdoor Field Fencing

Concrete Curb @ Synthetic Turf Track : This Bid package is responsible for the completion of the concrete curb and/or band to receive perimeter edge nailer surrounding the interior and exterior of the all synthetic track turf fields. This includes all grading, formwork, reinforcing, and backfill required for the placement of the curb and concrete bands. This Bid Package is also responsible for the supply and installation of the concrete slab for pitchers mounds, bullpen, and misc. concrete that is within the synthetic turf areas. This Bid Package shall coordinate with all other bid packages that may have embedments within this curb. All other concrete curb and flatwork to be performed by Bid Package 03# ____.

Concrete Curb @ Synthetic Track: This Bid package is responsible for the completion of the concrete curb surrounding the synthetic track system. This includes all grading, formwork, reinforcing, and backfill required for the placement of the curb. This Bid Package shall coordinate with all other bid packages that may have embedments within this curb. All other concrete curb and flatwork to be performed by Bid Package # ____.

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ACO Sport 3000: This Bid Package shall be responsible for the procurement and installation of the ACO Sport 3000 slot channel drain system, per notes 30 & 31 on C3-02.

12.10. Joint Sealants: This Bid Package shall furnish and install caulking and sealants as required between components of work provided under this Bid Package and also between concrete and gypsum and plaster, and concrete and structural steel work, and all work previously installed which adjoins work of this section. All sealants to be installed per specification.

13.11. Provide all labor, materials and equipment necessary to install all rough carpentry, framing, sheathing and structural panel web joists per plans, specification and addenda, including but not limited to; all wood framing, sheathing, glu-laminated beams, trusses, plywood web joists, wood "I" joists, wood-to-wood catalog hardware, fasteners, accessories, cabinet backing, wood nailers on steel beams, wood nailers for flashings, wood nailers for roofing systems, shaped nailers and blocking, plywood substrate for roof, equipment curbs, plaster grounds, soffit framing, support framing for roof and overflow drains, cricket framing, hardware, trim and accessories as required for a complete framing system and installation

14.12. Prime Trade Contractor to provide detailed layout information to Building and Site Concrete PTC for all framing related concrete embeds, including but not limited to; all hold-down bolts, column bases, anchor bolts, plate splices, wall openings, curb breaks and other required areas. PTC shall layout all framing related concrete embeds on the foundation form work, during the formwork installation, as coordinated by the Concrete PTC's Superintendent. Concrete PTC to furnish and install concrete embeds. This PTC will be responsible for final review of all framing related embeds prior to concrete placement and notify the Concrete PTC's Superintendent and CM Superintendent of any discrepancies or anticipated problems.

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- ~~15:13.~~ _____ Coordinate nailer installation with Structural Steel PTC. If this Rough Carpentry PTC elects to install nailers on the ground before the structural steel is erected, coordinate receiving, unloading (by Steel PTC) and shakeout of materials as required.
- ~~16:14.~~ _____ Coordinate own work with adjacent trades and ensure proper alignment of materials, reveals and details as shown or specified.
- ~~17:15.~~ _____ Coordination with Contractor and other trades for blocking and backing requirements and locations, provide block-outs, blocking and backing for other trades. Layout is by others.
- ~~18:16.~~ _____ Bolts, nuts and washers for wood nailers, steel beams, (beam connection bolts, by others) brackets, buckets, and other areas as related to this PTC’s installation.
- ~~19:17.~~ _____ Nailers at masonry, structural steel and concrete parapets.
- ~~20:18.~~ _____ Wood framed rooftop equipment platforms, sleepers and wood leveling for all pre-manufactured curbs. Pre-manufactured curbs supplied by others.
- ~~21:19.~~ _____ Provide installation of any fabricated non-catalog items needed for wood framing. Fabricated items by others.
- ~~22:20.~~ _____ Provide and install all wood crickets.
- ~~23:21.~~ _____ Installation of steel counter support brackets and other miscellaneous steel supplied by others that attaches to wood.

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24.22. _____ Dust control from own work.

25.23. _____ Provide field welding as shown for own work, including field welding of anchors for hold-downs.

26.24. _____ Scaffolding and task lighting for own work.

27.25. _____ Hoisting for own work.

This Bid package is responsible for all joint sealants for penetrations through concrete curb placed by this Bid Package. Weatherproofing/Waterproofing: This Bid Package (BP06) is responsible to furnish and install all weatherproofing/waterproofing associated with the retaining wall as indicated on 1/A9.41. This bid package is also responsible for weatherproofing/waterproofing for the elevator pit as indicated on 20/A9.72 & 30/A9.72 and all similar conditions in the contract documents.

Bridge Assembly and Installation: The pedestrian bridge shall be fabricated offsite in three. This Bid Package is responsible to provide separation materials, backer rods, and sealants between work installed by this Prime Contractor and work of other prime contractors, in type and thicknesses specified sections and spliced onsite in accordance with the bolt splice connections noted on the Structural Drawings. This Bid Package shall be responsible for the delivery, coordination, and storage of the bridge components on the site and shall also provide any temporary protections, jig, bracing, etc. for the splicing of the bridge components which shall be performed by this Bid Package. In accordance with the Phasing Schedule, the bridge shall be craned in to place by this Bid Package prior to the commencement of significant construction activities associated with the Professional Mariner Training Center Building in order to allow for onsite storage and erection. The bridge shall be craned in to place on a single night between the hours of 11:00PM and completed by 5:00AM. All

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premium time required for this operation, as it relates to this specific Bid Packages scope of work, shall be included within the base bid of this Bid Package. Refer to Scheduling and Sequence of Work for further information, where shown on the drawings an details, and as required to provide a complete installation by this Prime Contractor.

Manufactured Copper Roofing: This Bid Package (BP07) Contract scope of work includes all preparatory work and the supply and installation of the Pre Formed Copper Roofing and Copper Fascia complete with clips, perimeter and penetrations flashings and closures.

Polyvinyl Chloride (PVC) Roofing: Adhered PVC thermoplastic roofing member with flashings and other components to comprise a roofing system including all required substrate preparation, blocking, rigid insulation, separation board, roof membrane, fasteners, flashings, etc. for a complete system.

Sheet Metal Flashing and Trim: This Bid Package (BP07) Contract scope of work includes all preparatory work and the supply and installation of sheet metal flashings and trim assemblies as indicated in the contract documents as part of this bid package scope of work.

Flexible Sheet Flashing: This Bid Package (BP07) Contract scope of work includes all preparatory work and the supply and installation of flexible sheet flashing as required for this bid package scope of work to provide a complete roofing system.

7. Joint Sealant: This Bid Package (BP06) shall furnish and install all caulking and sealants as required between components of work provided under this Bid Package and also between concrete

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and gypsum and plaster, and concrete and structural steel work, and all work previously installed which adjoins work of this section. All sealants to be installed per specification.

8. Sheet Metal & Flashings: This Bid Package (BP06) is responsible for the sheet metal and flashing for the entire Project as noted on the plans and in the specifications. This includes various (all) expansion joint assemblies required. This work includes lead flashing at the roof drains, and counter flashing at the HVAC units.

9. Parapet Coping Cap: The parapet coping cap shall be galvanized, factory painted and match exterior metal panels. Parapet Coping Cap material shall match vertical and horizontal sheet metal panels.

10. Sub-Girts: This Bid Package (BP06) is responsible to furnish and install vertical and horizontal sub-girts.

11. Column Caps: This Bid Package (BP06) shall furnish and install 18 gauge sheet metal column wall cover factory primed and painted, column caps in-between classrooms.

12. Metal Flashings: This Bid Package (BP06) shall furnish and install continuous metal flashing.

13. Window Metal Flashings: This Bid Package (BP06) shall furnish and install window metal flashing.

14. Galvanized Metal Flashings: This Bid Package (BP06) shall furnish and install galvanized metal flashing per the contract documents.

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15. Metal Flashing Order Upon Approval: Contractor to place order for metal flashing at window openings immediately on approval on shop drawings. Flashings are required prior to storefront window system going in.

16. Expansion Joint: This Bid Package (BP06) shall furnish and install all expansion joint filler material and sealants for work of this Bid Package, including any located where concrete adjoins work previously installed by others.

17. Manufactured Gutter and Downspouts: This Bid Package (BP06) shall furnish and install all gutter, downspouts, and accessories in accordance with SMACNA requirements.

18. Joint Sealant at Existing Hard surface: This Bid Package (BP06) shall furnish and install all expansion joint filler material and sealants for work of this Bid Package, including any located where concrete adjoins work previously installed by others.

19. Expansion/Seismic Control: This Bid Package (BP06) Contract scope of work includes all preparatory work and the supply and installation of expansion control as indicated in the Contract Documents. See details 16, 18, 25, 26, and 30/A9.21B of increment 2 as examples .This bid package is required to coordinate with all other bid packages related to the installation of expansion/seismic control as indicated in the contract documents.

20. Hoisting and Rigging: This Bid Package is responsible to provide all cranes, hoists, lift equipment and coordination to complete the erection, installation, and assembly of the Structural Steel, Misc. Metals, Metal Decking and related components associated with this Bid Package.

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28.

Traffic Control: Traffic Control required for the duration of the project will be provided by Bid Package 01 in accordance with the CalTrans Approved Traffic Control Plan which is included as a part of the Contract Documents. Bid Package 01 will also provide all directional signage and traffic control associated with the overnight bridge installation. This Bid Package is responsible to provide additional, specific traffic control including flag or sign personnel necessary during operations of this Bid Package.

Hoisting and Rigging: This Bid Package is responsible to provide all cranes, hoists, lift equipment and coordination to complete the erection, installation, and assembly of the Structural Steel, Misc. Metals, Metal Decking and related components associated with this Bid Package.

Attachment to Existing Structures: Where any new structural elements and other work of this Bid Package is indicated to be connected or joined to existing structures, this Bid Package is responsible for all modification to existing elements necessary to complete connections, and all bolts and fasteners necessary to complete the work of this bid package. Demolition of existing structure or improvements where indicated on drawings will be completed by Bid Package 02 and 03.

Shop Priming: This Bid Package is responsible to complete all shop priming of structural steel members and fabricated items provided under this Bid Package.

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High Performance Coatings: This Bid Package is responsible to complete the surface preparation and prime coating of items designated to receive High Performance Coatings pursuant to section 099600 and the drawings. Finish Materials for section 099600 will be applied and completed by the painting contractor on site, after installation of all primed work by this Bid Package.

Embeds and Attachments: This Bid Package is responsible to fabricate and provide all steel items to be embedded in, or cast in, concrete. This includes but is not limited to all anchor bolts for structural or fabricated steel items, base plates, embed plates for connection of steel beams, columns, and other framing members, ledger angles, brace frame plates, shear plates. Scope of this bid package includes fabrication, delivery to the jobsite, and placement at a staging location designated by the Construction Manager. There is limited lay down and storage space available on site. This Bid Package is responsible for deliveries as designated or scheduled by the Construction Manager. The Trade Contractor for Bid Package 04 Structural and Site Concrete is responsible for placement and setting of all embedded or cast in place items.

Drag Reinforcing Bars: This Bid Package is responsible to complete welding of drag bars to beams. Bid Package 04 Structural and Site Concrete Trade Contractor is responsible to provide and cast into the concrete shear walls the drag reinforcing bars, see Increment 1 plans 6,7,19/S3.04.

Elevator Guide Rails: This Bid Package is responsible to complete the elevator guide rails, as per plans, specifications and details. Scope of this Bid Package includes completing engineering calculations necessary to satisfy requirements for the Deferred Submittal for the elevator guiderails. Engineering for the elevator guide rails shall be provided via a submittal separate from other submittals by this Bid Package.

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ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS)FLUID-APPLIED MEMBRANE AIR BARRIERS

AESS: This Bid Package is responsible to complete the fabrication and installation of all the Architecturally Exposed Structural Steel as shown on the drawings and described by the specifications for both Increment 1 and Increment 2. In addition to the members specifically noted on the plans, any Structural Steel component that is directly exposed to view, whether partial or complete, that is not completely covered by fireproofing, opaque fenestration, or cladding, shall be treated as AESS.

Surface Preparation: This Bid Package is responsible to complete the surface preparation and priming for AESS items as designated on the plans and specifications. Surface preparation includes but is not limited to grinding of welds, fill weld access holes and erection bolt holes, consistent alignment, orientation and length of bolts, removal and patching of any lifting tabs or temporary connections, etc. Finish coatings will be completed by the Bid Package 1 Trade Contractor.

General: As noted in the Specifications, the requirements of Division 05 Section “Structural Steel Framing” also apply to all AESS.

STEEL DECKINGMETAL WALL PANELS

Metal Decking: This Bid Package is responsible to complete all metal deck shown on the plans. This

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scope includes all decking and/or structural decking at Increment 1 second level floor, exterior decks, front low roof, main roof, exposed decking at Increment 2 Bridge, and elsewhere where shown on the drawings and as otherwise indicated by the specifications for both Increment 1 and Increment 2.

Installation and Attachment: This Bid Package is responsible to provide and install all materials necessary for a complete installation of the metal decking including all closure plates/closure angles, deck edge angles, Z closure plates, (both gauged, and ¼” or greater where required), angles for support of decking, reinforcing steel welded to decking or to closure plate, shear studs, beam shims, bent plates,

Welding: This Bid Package is Responsible for all welding for metal decking and all items included in this Bid Package. This Bid Package shall provide it’s own reliable source of power for welding associated with this Bid Package.

Metal Deck Openings: This Bid Package shall provide openings in the metal decking where other contractors require penetration of the decking to complete their scope or as indicated on the drawings. This Bid Package shall coordinate with said contractors for layout and shall provide and install any necessary reinforcing before cutting the deck.

METAL STAIRSRIBBED METAL WALL PANELS

Metal Stairs: This Bid Package is responsible to complete the metal stairs including all steel members, stringers, treads, landings, closures, nosings, railings, cane detection railings, and other items necessary for a complete installation, as shown on the drawings and in the specifications for both Increment 1 and Increment 2.

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Railings: This Bid Package is responsible to construct metal stairs and all related work of this Bid Package, including railings, according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

Tread Fill: Concrete fill and reinforcing for concrete fill is to be done by Bid Package 04 Trade Contractor. Any welding of reinforcing steel shown on drawings that connects to steel stair framing or other members is to be completed by this Bid Package.

PERFORATED METAL WALL PANELSMETAL FABRICATIONS

General: All applicable requirements of Division 5 apply to the scope of work of this Bid Package, and are included in the scope of work of this Bid Package. This Bid Package is responsible to complete all metal fabrications shown on the drawings and identified in the specifications, including those listed in Specification Section 055000.

Trash Enclosure Components: This Bid Package is responsible to complete the steel and miscellaneous metal components associated with the trash enclosure including roof structure, roof decking, tubular steel fence and gates, gate threshold, welded wire square mesh infill, and miscellaneous items necessary for a complete installation. Standing Seam roof, insulation, and dense deck by Bid Package 06.

Wire Mesh Panels: This Bid Package is responsible to complete all woven wire mesh panels, stainless steel wire mesh panels and associated frameworks and components for a complete installation.

Gates and Fencing: This Bid Package is responsible to complete maintenance access gates and fencing at stair 2 second floor, and at stair 3. Fabrication and installation includes all excavations,

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reinforcement, concrete, backfill, finish grading (around immediate area), mounting, trim, and gate hardware, but specifically excludes locking mechanisms and systems noted on the Door Hardware Schedule which shall be furnished and installed by Bid Package 01. This Bid Package shall provide all preparatory materials and work required for mounting of finish hardware.

Tie Back Posts: This Bid Package is responsible to complete the safety tie back posts where shown on the drawings and per detail 10/A9.30.

Ladders: This Bid Package is responsible to furnish and install all steel ladders and complete the ladder tie off per A5.01. Increment 1.

This Bid Package is responsible to complete the 1/4" thick galvanized expansion joint covers per 16/A9.21B of increment 2, & .
(Let's confirm if we want BP #01 to handle all these expansion joints complete with these cover plates, or have this BP 05 do them. Also see 3/A9.23B Inc. 2)

Countertop Supports: This Bid Package is responsible to provide fabricated steel countertop supports per 9,10,11/A9.90 increment 1, and elsewhere as shown on the drawings. Supports are to be delivered to the job site when scheduled by the Construction Manager, for installation by the Bid Package 01.

This Bid Package is responsible to complete the wall-mounted angles for window shades as shown on the drawings. *(confirm for this BP or BP # 01)*

Confirm canopy @ elevator entrance increment 2 by this BP or by BP 6 or BP1

Bridge Simulator Angle Supports: This Bid Package is responsible to provide the L3x3x1/4 for bridge simulator per 7/S7.10. To be provided F.O.B. job site for installation by others. Bridge simulator

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frames and base assemblies to be provided and installed by others.

Pipe Bollards: This Bid Package is responsible for all pipe bollards shown on the drawings. Bollards are to be provided to the jobsite when scheduled by the Construction Manager, and off loaded and placed by this Bid Package at storage location designated by the Construction Manager. Installation of bollards to be by Bid Package 04.

Misc. Metal Fabrication for Elevator: This Bid Package is responsible to complete the elevator pit items for Increment 2 including the ladder 1/A9.80B, embed plate & L5x5x3/8 sill 15/A9.80B, and the second level angle and bent plate per 13/A9.80B.

Equipment anchorage for mechanical equipment including drilling and bolting per plans to be provided by the respective TRADE CONTRACTORS of Bid Packages 10, 11, 12 and 13.

PIPE AND TUBE RAILINGS**COMPOSITE METAL WALL PANELS**

General: This Bid Package is responsible to complete all pipe and tube railings shown on the drawings and identified in the specifications.

General: This Bid Package is responsible to construct pipe and tube railings and all related work of this Bid Package according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

General: This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.

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ORNAMENTAL METAL RAILINGSMODIFIED BUILT-UP ROOF SYSTEM

Ornamental Metal Railings: This Bid Package is responsible to provide all ornamental stainless steel metal railings shown on the drawings and identified in the specifications including all handrails, guardrails, posts, fittings, brackets, flanges, and all other items necessary for a complete installation.

This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.

This Bid Package is responsible to construct ornamental metal railings and all related work of this Bid Package according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

This Bid Package is responsible to provide wood top rails where indicated on the drawings. (didn't see on plans – CONFIRM)

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ILLUMINATED ORNAMENTAL RAILINGS SHEET METAL FLASHING AND TRIM

(Kind of confusing:

Found illuminated railings only on arch sheets of increment 2.

Increment 1 Fixture sched. Has EB-5 by HDI, Increment 2 has type BA by HD.

Spec section has different manufacturers listed.)

Illuminated Ornamental Railings: This Bid Package is responsible to provide all illuminated ornamental railings shown on the drawings and identified in the specifications including all handrails, guardrails, posts, fittings, brackets, flanges, lighting system components and all other items necessary for a complete installation.

Electrical Connection: This Bid Package is responsible to fully coordinate with all elements of building construction, including bid package 13 (electrical, division 26) TRADE CONTRACTOR for routing of wiring, placement of transformer(s), and all hook up connections to be by Bid Package 13. This Bid Package shall furnish and install the Illuminated Ornamental Railings with complete lighting components, including all fixtures, wiring integral to the railings, boxes, connections, etc. for hook up by Bid Package 13 Electrical TRADE CONTRACTOR.

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CABLE RAIL SYSTEMSROOF ACCESSORIES

General: This Bid Package is responsible to provide all cable rail systems shown on the drawings and identified in the specifications, including all cable, fittings, components, and assemblies.

This Bid Package is responsible to construct cable rail systems and all related work of this Bid Package, including railings, according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.

MISCELLANEOUS REQUIREMENTS

This Bid Package is responsible for all welding required for completion of the entire scope of work of this bid package.

This Bid Package is responsible for securement of the work of all items of this bid package to

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work or improvements completed by others, including all anchors necessary for attachment of the work of this bid package.

This Bid Package is responsible to provide all metal fabrication items as primed, primed for High Performance coatings, or galvanized, as indicated in the drawings and specifications.

Where items pertaining to this Bid Package scope of work for Bid Package 05 are indicated as “By Others”, it is the intent of the drawings and specifications the item of work is to be completed by This Bid Package, and this Bid Package is responsible to complete any items so labeled that apply to the category and scope of this bid package. Example: Increment 2 drawings, on detail 4/S.10B, the item “STEEL PL BY OTHERS” is to be completed by this Bid Package.

3. Contract Scope: This Bid Package (BP1112) Contract scope of work includes: all work required furnish and install all motor starters, heaters, control panels, shut off valves, regulators and any terminal device as required for a complete and operational HVAC system to furnish and install all on-site/off-site, as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections as illustrated in the Division of Work Dot Matrix 01-10-00. Coordinate with Electrical for location, connection and type.
4. HVAC Installations: HVAC Structural Supports & Bracing: Furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Mechanical drawings, or not specifically detailed but required. Mechanical attachments generically referred to on Architectural drawings shall be considered within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12” in length and provide approved splice after fireproofing is installed.
5. HVAC: This Bid Package (BP12) is responsible for any and all work shown on the Mechanical drawings and all related specifications, including certified air balance, as well as coordination with other Trade Contractors.

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6. HVAC Curbs: Furnish and completely install factory curb systems.

7. Energy Management Systems (EMS) Control System: Furnish and install all low voltage control wiring, conduit, devices and other equipment required for a complete and operational EMS control system.

8. Fire Penetrations: All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements

Protection Covers: Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed.

Access Doors: This BP is responsible for all access doors and hatches required to complete this Bid Package’s scope of work.

Furnished By Others (FBO): Locate and install FBO duct detectors. Coordinate with Electrical for connection and type.

Miscellaneous Blocking: This bid package may be required to place blocking, this work may require coordination with other trades. It is the contractor’s responsibility to perform this coordination with other bid packages.

Exterior Galvanized Pipe: Galvanized piping to be provided at all exterior locations.

Black-out HVAC Equipment: Provide blackout painting on all ductwork visible through grills, registers and other openings.

Flashings and Waterproof Products: Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.

Commissioning Schedule: Provide complete testing and commissioning schedule within 30 calendar days of Notice to Proceed.

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D. GENERAL REQUIREMENTS AND PROVISIONS:

1. This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

BUILDING INFORMATION MODELING

~~BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing, Fire Sprinkler and Structural related coordination issues per the Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM).~~

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

1. Schedule: Refer to **Construction Manager’s Bid Schedule and associated attachments** for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

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F. ALLOWANCES:

1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 012 21 00.
The allowance shall be identified as an individual line item on the schedule of values.
The allowance shall not be used unless the CONTRACTOR receives formal written direction from the Owner and/or its Representative identifying additional work at which time the CONTRACTOR shall submit to the Owner for its consideration and approval or disapproval the cost associated with the work. Written notification clearly identifying the additional scope of work required from the CONTRACTOR and the agreed upon dollar amount associated with the work shall be approved by the Owner before such work is performed. The use of the allowance amount shall be at the sole discretion of the Owner.
The base bid shall include all contractor overhead and profit, bonds, and insurance associated with the allowance work/amount.
Any funds remaining in the Allowance at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.
This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

BUILDING INFORMATION MODELING

BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing, Fire

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Sprinkler and Structural related coordination issues per the Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM).

SCHEDULING, SEQUENCING AND MOBILIZATIONS:

Schedule: Provide preparation and submission of a comprehensive Construction Progress Schedule for up to date maintenance or proposed modifications as required by the Division 0 and 1 of the Contract Documents Master Construction Schedule 01 32 13. Three Week Look Ahead schedule shall be submitted by noon the day prior to the scheduled Weekly Construction Manager & Contractor Progress Construction Meetings. Refer to Exhibit XX – Construction Baseline Schedule and Attachments for project duration and completion dates.

ALLOWANCES:

The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 012XXX.

The allowance shall be identified as an individual line item on the schedule of values.

The allowance shall not be used unless the CONTRACTOR receives formal written direction from the Owner and/or it's Representative identifying additional work at which time the CONTRACTOR shall submit to the Owner for its consideration and approval or disapproval the cost associated with the work. Written notification clearly identifying the additional scope of work required from the CONTRACTOR and the agreed upon dollar amount associated with the work shall be approved by the Owner before such work is performed. The use of the allowance amount shall be at the sole discretion of the Owner.

The base bid shall include all contractor overhead and profit, bonds, and insurance associated with the allowance work/amount.

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Any funds remaining in the Allowance at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.

END OF SECTION

9. _____

10. Hours of Work: Contractor to comply with Legal Construction Hours per the City of Lawndale. Construction is prohibited on Sunday and national holidays. Except in emergency situations, construction is only permitted:

Monday – Friday, 7:00 a.m. – 7:00 p.m.
Saturday, 8:00 a.m. – 5:00 p.m.

11. Deliveries: Drop-off and pickup times of all equipment and material shall comply with the City of Hawthorne construction hours.

12. Freight on Board: Freight on Board (FOB) items will be the responsibility of the installing Bid Package to off load and store.

13. Truck Hours of Operation: Any and all trucks entering and/ or exiting the construction site shall only be after the hours of 8:30am school days to avoid congesting W. El Segundo Ave.

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- 14. **Owner Notifications:** Provide notification to the Owner’s Representative and Construction Manager in a timely manner to facilitate all testing and inspection requirements and in accordance to Division 0 and 1 of the Contract Documents and the specific testing requirements of each section where they occur.
- 15. **Request For Clarifications:** Provide timely requests for clarifications and other information to allow reasonable response time and avoid delay to the construction schedule as described in Division 0 and 1.
- 16. **Allowances:** Provide an allowance in the base bid of this Contract to be used as directed by the Construction Manager as specified under Section 01 21 00. This allowance is in addition to the specific requirements of the scope of work. All unused portions of the allowance will be credited back to the Owner at the end of the Project via a credit change order. Allowances must be included as a separate line item on the schedule of values and may not be billed to the Owner unless prior written direction is given to the Trade Contractor by the Construction Manager.
- 17. **Contractor Lay Down Area Approval:** Location of material and lay down area, waste containers, temporary facilities and site coordination to be approved and coordinated by the Construction Manager, refer to **Exhibit 01 – Owner & Contractor Laydown Area Plan.**
- 18. **Coordination & Layout:** This Bid Package (BP1112) is responsible to provide all coordination and layout for the other Bid Packages and trades when components are scheduled to attach or are directly affected by the elements of work with in this Contract.
- 19. **Contamination Caution:** Provide equipment petroleum protection to avoid soil contamination. Any soil contamination made by this bid package shall be properly disposed of and replaced with approved soil at no additional cost to the Centinela Valley Union High School District and no impact to the schedule.

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- 20. **Waste Disposal:** This Bid Package (BP1112) is responsible for all waste generated by this Bid Package and the proper disposal of all waste generated by this Bid Package.
- 21. **Excess Material:** Haul off excess materials to complete this scope of work.
- 22. **Daily Housekeeping:** Continuous housekeeping and daily cleanup is mandatory for all Bid Packages. Contractor shall place construction debris in own debris boxes and remove debris from site at Contractor's own expense prior to the end of the work day or as directed by the Construction Manager. All debris boxes will be identified for this contracts use, and containers shall be kept free of graffiti at all times. Failure to perform this task daily, will cause the Owner to exercise its right to self perform work and direct the clean up by others at the expense of the Contractor.
- 23. **Existing Conditions:** This Bid Package (BP1112) is responsible to make a thorough inspection of the Project sites and on-site/off-site conditions. By submitting a bid, this Bid Package assumes full responsibility for existing conditions with respect to the intentions of the Documents and waives any additional compensation for work required by any visible or known current circumstance that is in conflict with the Documents. Any damage done to existing features or known utilities, in the course of work in this Bid Package, will be repaired by this Bid Package at no cost to the Owner.
- 24. **Existing Site Conditions:** The Contractor shall make a thorough examination of the site to determine all existing conditions affecting the work prior to beginning any work under this Bid Package.
- 25. **Best Management Practice:** This Bid Package (BP1112) shall include in their bid (not part of the allowance) all best management practices associated with work under this Bid Package. This includes, but is not limited to: providing concrete washout pits, dust control, and cleaning of streets due to trucking on or off the site, controlling water runoff into storm drains or offsite during concrete placement and clean-up operations and containment of all toxic material as required by

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law. Clean-up and dispose of all temporary washout pits, and other temporary facilities as required and legally dispose of all waste material. This Bid Package will pay all penalties or fines due to any violations issued to the Owner for this Bid Package's failure to meet requirements by the State or other Government agencies for non-compliance with the State or Federal Clean Water Act or other regulations.

26. Anticipated Rain Delay Days: Refer to Division 01, Master Construction Schedule Specification Section 01 32 13.

27. Submittals & Shop Drawings: Provide all shop drawings and submittals so as not to cause delay to the construction schedule, this bid package, or any other bid package included in this Project.

28. Construction Meetings: This Bid Package (BP1112) is responsible for attending the Pre-Construction Meeting, Pre-Installation Meetings, BIM Modeling Meeting, Coordination Meetings, Safety Meetings and any other meetings scheduled by the Construction Manager. Contractor's Superintendent or Project Manager is required to attend weekly safety coordination meetings.

29. BIM Coordination: This Bid Package (BP1112) is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing and Fire Sprinkler related coordination issues per the Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM).

30. Schedule: Provide preparation and submission of a comprehensive Construction Progress Schedule for up to date maintenance or proposed modifications as required by the Division 0 and 1 of the Contract Documents Master Construction Schedule 01 32 13. Three Week Look Ahead schedule shall be submitted by noon the day prior to the scheduled Weekly Construction Manager &

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Contractor Progress Construction Meetings. Refer to **Exhibit 03 – Construction Baseline Schedule and Attachments** for project duration and completion dates.

- 31. **Mobilization:** This Bid Package (BP1112) is responsible for the mobilization and ALL necessary move-ins as required by the phasing and durational schedule in Division 0 and 1 to perform the work associated with this Bid Package. Construction Phasing Plan: Phase 1, Phase 2 and Phase 3 refer to **Exhibit 01 – Construction Phasing plan.**
- 32. **Tests and Inspections:** Except as set forth below, the District will pay for fees, costs and expenses to complete the initial tests/inspections of portions of the Work as required by law, code or regulation, provided that such tests/inspections are conducted and completed at a location within a one hundred (100) mile radius of the Site. The foregoing notwithstanding, if the portion(s) of the Work subject to tests/inspections is/are not ready for such test/inspection at the time indicated in the Contractor’s notice under Article 26 or if upon completion of such test/inspection, the portion(s) of the Work subject to such test/inspection do not meet or exceed the minimum requirements of such test/inspection, the Contractor shall be solely responsible for the payment of all fees, costs or expenses arising out of or related in any manner to subsequent tests/inspections of such portion(s) of the Work. Notwithstanding the District’s payment of fees, costs or expenses for conducting initial tests/inspections, if any actions or failures to act of the Contractor or person or entity providing or performing Work under the direction or control of the Contractor require tests/inspections to be conducted over a period of more than eight (8) hours per day by any single person or on weekends/holidays, the Contractor shall be solely responsible for the payment of fees, costs or expenses which result from test/inspection services which exceed eight (8) hours per

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day by any single person or on weekends/holidays. If any tests/inspections are conducted outside a one hundred (100) mile radius of the Site, the Contractor shall be solely responsible for all costs, fees or expenses to conduct and complete such tests/inspections conducted at such location, including without limitation, costs to complete such tests/inspections and travel, meal and related expenses.

- 33. Scissor Lifts: Contractor will not be allowed to use scissor lifts exceeding 1,000 pound gross weight on the second floor.
- 34. HVAC Installations: Furnish and install all motor starters, heaters, control panels, shut off valves, regulators and any terminal device as required to complete this Bid Package’s scope of work. Coordinate with Electrical for location, connection and type.
- 35. HVAC Structural Supports & Bracing: Furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Mechanical drawings, or not specifically detailed but required. Mechanical attachments generically referred to on Architectural drawings shall be considered within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12” in length and provide approved splice after fireproofing is installed. Coordinate with CM. If “Or Equal” equipment for specification sections 23 81 19 (roof top air conditioners) and section 23 81 26 (split system air conditioners) are submitted all must meet the design intent, and any related costs incurred including other bid packages to meet the design intent will be at no cost to the district.
- 36. HVAC: This Bid Package (BP11) is responsible for any and all work shown on the Mechanical drawings and all related specifications, including certified air balance, as well as coordination with other Trade Contractors.

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- 37. HVAC Curbs: Furnish and completely install factory curb systems.
- 38. Energy Management Systems (EMS) Control System: Furnish and install all low voltage control wiring, conduit, devices and other equipment required for a complete and operational EMS control system.
- 39. Fire Penetrations: All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements
- 40. Protection Covers: Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed.
- 41. Access Doors: This BP is responsible for all access doors and hatches required to complete this Bid Package's scope of work.
- 42. Furnished By Others (FBO): Locate and install FBO duct detectors. Coordinate with Electrical for connection and type.
- 43. Miscellaneous Blocking: This bid package may be required to place blocking, this work may require coordination with other trades. It is the contractors responsibility to perform this coordination with other bid packages.
- 44. Exterior Galvanized Pipe: Galvanized piping to be provided at all exterior locations.
- 45. Black-out HVAC Equipment: Provide blackout painting on all ductwork visible through grills, registers and other openings.

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- 46. Flashings and Waterproof Products: Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.
- 47. Commissioning Schedule: Provide complete testing and commissioning schedule within 30 calendar days of Notice to Proceed.
- 48. Punch List: Provide punch list repairs/corrections for this scope of work within thirty five (35) calendar days and will be held responsible for liquidated damages. Reference Front End Bid Document Article 59 and Article 62.

C. CONTRACT METHOD:

- 1. The Governing Board intends to award the contract to the lowest responsive and responsible bidder. The lowest bid shall be the lowest base bid.
- 2. Construct the Work under a single lump sum contract and provide a schedule of values with a breakdown of costs for all items of work over 5 percent of the contract value.

D. CONTRACTOR USE OF PREMISES:

- 1. Contractor shall have use of the premises for the execution of the work.
- 2. Coordinate use of the premises under the direction of the Construction Manager.

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- ~~3. Assume full responsibility for the protection and safekeeping of products under this Contract that are located and/or stored on the site.~~
- ~~4. Move any stored products under Contractor’s control that interferes with the operations of the Owner and/or any other Bid Package that is on a separate contract.~~
- ~~5. Obtain and pay for the use of additional storage or work areas needed for operations.~~
- ~~6. Contractor shall assume all responsibility for parking his own and his subcontractor’s vehicles at the Owner approved locations. Contractor shall direct all material deliveries to the designated construction entrances.~~
- ~~7. All Owner property is tobacco free, drug free, alcohol free, weapons free and graffiti free. Contractor shall enforce these rules to his crew, subcontractors and suppliers.~~
- ~~8. Contractor will be required to maintain appropriate approvals for work on an occupied site. Refer to the General Conditions for requirements.~~
- ~~9. Contractor shall provide the name, telephone number and cellular phone number for the superintendent for their entire scope of work within 7 calendar days of the Notice to Proceed. This individual shall serve as the Contractor’s representative.~~

END OF SECTION

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BID PACKAGE 05121076

ROOFING AND SHEET METALS

Roofing and Sheet Metal HVAC / MECHANICAL

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~~PART 1 – GENERAL~~

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As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

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A. Work Covered by Contract Documents

B. Basic Scope of Work Summary

C. Specific Scope of Work Provisions

D. General Scope of Work and Provisions

E. Scheduling, Sequence of Work, and Mobilizations

F. Allowances

A. WORK COVERED BY CONTRACT DOCUMENTS:

1. Work Included: The work to be performed by Contractor shall conform to the requirements of all of the ~~Lawndale HS Athletic Fields and Practice Gymnasium~~ Carl E. Gilbert TK-PK Classrooms &

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Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

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Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. BASIC SCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: all work required for a complete and operational sports field and paving system as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections.
2. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:

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~~As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".~~

~~It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.~~

~~TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.~~

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E. Building Information Modeling

E. Scheduling, Sequence of Work, and Mobilizations

F. Allowances

A. Work Covered by Contract Documents

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~~B. Narrative for Scope of Work~~

~~C. Contract Method~~

~~D. Contractor Use of Premises~~

~~A. WORK COVERED BY CONTRACT DOCUMENTS:~~

~~Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Professional Mariner Training Center Project Bid Documents, which include but may not be limited to: Division 00, and Division 01 as well as the Orange Coast College, Agreement, Centinela Valley High School District Agreement General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.~~

~~1. It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate~~

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~~or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.~~

~~The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:~~

~~Furnish “Delivered to the job site, marked or otherwise identified, assembled, stored, ready and ready for installation.”~~

~~Install “Locate, lay out, temporarily shore or support, and erect to the completed and intended final use.”~~

~~B. BASIC NARRATIVE FOR SCOPE OF WORK SCOPE OF WORK SUMMARY:~~

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This Bid Packages Basic Scope of Work includes: all Structural Steel, Architecturally Exposed Structural Steel, Miscellaneous Metals, Handrails, and Metal Decking workRoofing and Sheet Metal Work required for a complete and operational building system as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections as illustrated in the Division of Work Dot Matrix 01-10-00. This Contract scope of work includes, but is not limited to, the following items of work:

This Bid Package (BP1112) Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project: ALL preparatory work and the supply and installation of the following:

- Primary Technical Specifications
Division 0 (Bid Documents)

Division 1

- 011000 – SUMMARY
- 012600 – CONTRACT MODIFICATION PROCEDURES
- 012900 – PAYMENT PROCEDURES
- 013100 – PROJECT MANAGEMENT AND COORDINATION
- 013200 – CONSTRUCTION PROGRESS DOCUMENTATION
- 013300 – SUBMITTAL PROCEDURES
- 014000 – QUALITY REQUIREMENTS
- 014200 – REFERENCES

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015000 – TEMPORARY FACILITIES AND CONTROLS

015639 – TEMPORARY TREE AND PLANT PROTECTION

015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

017300 – EXECUTION REQUIREMENTS

017419 – CONSTRUCTION WASTE MANAGEMENT

017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

~~072100 – THERMAL INSULATION~~ 074100 – METAL ROOF PANELS

~~072100 – THERMAL INSULATION~~ 075216 – MODIFIED BITUMINOUS MEMBRANE ROOFING

~~076200 – SHEET METAL FLASHING AND TRIM~~

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076500 – FLEXIBLE SHEET FLASHING

077200 – ROOF ACCESSORIES

078413 – PENETRATION FIRESTOPPING

078446 – FIRE-RESISTIVE JOINT SYSTEMS

079200 – JOINT SEALANTS

078400 – FIRESTOPPING (as related to this scope)

079200 – JOINT SEALANTS (as related to this scope)

095423 – LINEAR METAL CEILING SYSTEM

050000 CAST-IN-PLACE CONCRETE

051200 STRUCTURAL STEEL FRAMING

051310 ARCHITECTURAL/IN-EXPOSED STRUCTURAL STEEL

053100 STEEL DECKING

054000 COLD-FORMED STEEL FRAMING

055000 METAL FABRICATIONS

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055100 METAL STAIRS

055210 PIPE AND TUBE RAILINGS

057210 ORNAMENTAL METAL RAILINGS

057220 ILLUMINATED ORNAMENTAL METAL RAILINGS

057320 CABLE RAIL SYSTEM

090600 HIGH-PERFORMANCE COATINGS

Appendix Structure Special Provisions

2. This Bid Package Contract scope of work includes preparatory work and the
finish and installation of the following Related Technical Specifications, as it relates to this bid
packages Basic Scope of Work:

- Primary Technical Specifications:

230500 – COMMON WORK RESULTS FOR HVAC

230510 – COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT

230520 – HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT

230540 – VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING AND EQUIPMENT

230550 – IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT

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230502 – TESTING, ADJUSTING AND BALANCING FOR HVAC

23071309 – DUCT HVAC INSULATION

230900 – BUILDING MANAGEMENT AND CONTROL AUTOMATION SYSTEM

232300 – REFRIGERANT PIPING

23311113 – METAL DUCTS

233200 – AIR DUCT ACCESSORIES

233713 13 – AIR DIFFUSERS

233728 – HVAC POWER VENTILATORS

233713 23 – AIR DIFFUSERS, REGISTERS AND GRILLES

234100 – PARTICULATE AIR FILTRATION

238119 – ROOFTOP AIR CONDITIONERS

238126 – SPLIT SYSTEM AIR CONDITIONERS 238126 – VARIABLE REFRIGERANT FLOW

SYSTEMS

• Secondary Related Technical Specifications

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079412 – FIRESTOPPING

078446 – FIRE-RESISTIVE JOINT SYSTEMS

079300 – JOINT SEALANTS

083115 – ACCESS DOORS AND FRAMES

220520 – HANGERS AND SUPPORTS FOR PLUMBING EQUIPMENT

055000 – METAL FABRICATIONS104400 – FIRE PROTECTION SPECIALTIES

211312 – HWET-PIPE SPRINKLER SYSTEM07 FLUID-APPLIED RUBBERIZED ASPHALT WATERPROOFING

072706 – FLUID-APPLIED MEMBRANE AIR BARRIERS

072706 – FLUID-APPLIED MEMBRANE AIR BARRIERS

070210 – MANUFACTURED COPPER ROOFING PANELS

075410 – POLYVINYLCHLORIDE (PVC) ROOFING

070200 – SHEET METAL FLASHING AND TRIM

070500 – FLEXIBLE SHEET FLASHING

079300 – JOINT SEALANTS

070500 – EXPANSION JOINTS

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3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work

220529 – HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT

230529 – HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT

260529 – HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

- Secondary Technical Specifications:

061600 – SHEATHING081113 – HOLLOW METAL DOORS AND FRAMES

085113 – ALUMINUM WINDOWS

WINDOWS

086223 – TUBULAR SKYLIGHTS

089100 – LOUVERS

092400 – PORTLAND CEMENT PLASTERING

All other Specification Sections as they interface or relate to this Scope of Work078400 – FIRESTOPPING

079200 – JOINT SEALANTS

083100 – ACCESS DOORS AND FRAMES

220529 – HANGERS AND SUPPORTS FOR PLUMBING AND

EQUIPMENT

055000 – METAL FABRICATIONS

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C. SPECIFIC SCOPE OF WORK PROVISIONS:

HOT FLUID-APPLIED RUBBERIZED ASPHALT WATERPROOFING

STRUCTURAL STEEL

- 1. Hot Fluid Applied Rubberized Asphalt Waterproofing Modified Built up Roof System

- 1. Structural Steel: This Bid Package is responsible for the completion of all Hot Fluid Applied Rubberized Asphalt Waterproofing the modified built up roof system and associated preparatory work, including thermal insulation and weather barriers. There are specific elements of the roofing system which are “Furnished by the District and Installed by the Contractor” structural steel framing which are designated in Specification Section 075114: 075200 ., shown on the plans and described in the specifications including all 125 mil columns, beams, brace frames, and all fabricated steel items necessary to complete the building and bridge framings waterproofing membrane, 90 mil waterproofing membrane, primer, molded sheet drainage panels, reinforcing fabric, neoprene sheet, eants, and all other materials and waterproofing system components required to complete the scope of work of this section for both Increment 1 and Increment 2, including the following items further described below:.

Structural and Misc. Bridge Components: This Bid Package is responsible to furnish and install the steel and miscellaneous metal components for the pedestrian bridge including all steel structure, abutment cap base plates/sole plates, bearing pads, retainer plates, masonry plates, non-shrink grout, cover plates, C-channel and closure plates for sign supports, mesh guardrail and cladding, per the specification sections listed above, per the structural, Total flashed membrane thickness shall be of 215 dry mil minimum, as shown on the plan details, architectural and bridge drawings. Bridge signage per elevations and details on A9.90B to be done by Bid Package 01.

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- 2. Surface Prep: This Prime Contractor is responsible to complete the cleaning of all foreign matter, paint, etc. from drain bodies, to bare metal, prior to applying waterproofing materials or metal composite wall panels.
- 2.3. Metal Roof Panels: This Bid Package (BP07) is responsible for the supply and installation of metal composite material, associated secondary supports (unless structural steel provided by BP045), anchors, and underlayment membrane.
- 4. Weatherproofing/Waterproofing: This Bid Package (BP076) is responsible to furnish and install all weatherproofing barriers/waterproofing/air barriers associated with the retaining wall as indicated on 1/A9.41. This bid package is also responsible for weatherproofing/waterproofing for the elevator pit as indicated on 20/A9.72 & 30/A9.72 and all similar conditions in the contract documents. roofing system and underlayment required for the metal composite material wall panels.

Linear Metal Ceiling System: This Bid Package (BP07) is responsible for the supply and installation of the Linear Metal Ceiling System including soffit and fascia and associated weatherproofing at the exterior canopy. Backing and drwall shall be installed by Bid Package 01.

Bridge Assembly and Installation: The pedestrian bridge shall be fabricated offsite in threeThis Bid Package is responsible to provide separation materials, backer rods, and sealants between work installed by this Prime Contractor and work of other prime contractors, in type and thicknesses specified sections and spliced onsite in accordance with the bolt splice connections noted on the Structural Drawings. This Bid Package shall be responsible for the delivery, coordination, and storage of the bridge components on the site

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and shall also provide any temporary protections, jig, bracing, etc. for the splicing of the bridge components which shall be performed by this Bid Package. In accordance with the Phasing Schedule, the bridge shall be craned in to place by this Bid Package prior to the commencement of significant construction activities associated with the Professional Mariner Training Center Building in order to allow for onsite storage and erection. The bridge shall be craned in to place on a single night between the hours of 11:00PM and completed by 5:00AM. All premium time required for this operation, as it relates to this specific Bid Packages scope of work, shall be included within the base bid of this Bid Package. Refer to Scheduling and Sequence of Work for further information., where shown on the drawings an details, and as required to provide a complete installation by this Prime Contractor.

Manufactured Copper Roofing: This Bid Package (BP07) Contract scope of work includes all preparatory work and the supply and installation of the Pre-Formed Copper Roofing and Copper Fascia complete with clips, perimeter and penetrations flashings and closures.

Polyvinyl-Chloride (PVC) Roofing: Adhered PVC thermoplastic roofing member with flashings and other components to comprise a roofing system including all required substrate preparation, blocking, rigid insulation, separation board, roof membrane, fasteners, flashings, etc. for a complete system.

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Sheet Metal Flashing and Trim: This Bid Package (BP07) Contract scope of work includes all preparatory work and the supply and installation of sheet metal flashings and trim assemblies as indicated in the contract documents as part of this bid package scope of work.

- 3.5. Flexible Sheet Flashing: This Bid Package (BP07) Contract scope of work includes all preparatory work and the supply and installation of flexible sheet flashing as required for this bid package scope of work to provide a complete roofing system.
- 4.6. Manufactured Gutter and Downspouts: This Bid Package (BP076) shall furnish and install all gutter, downspouts, and accessories in accordance with SMACNA requirements.
- 7. Joint Sealant: This Bid Package (BP076) shall furnish and install all caulking and sealants as required between components of work provided under this Bid Package and also between concrete and gypsum and plaster, and concrete and structural steel work, and all work previously installed which adjoins work of this section. All sealants to be installed per specification.
- 8. Sheet Metal & Flashings: This Bid Package (BP076) is responsible for the sheet metal and flashing for the entire Project as noted on the plans and in the specifications. This includes various (all) expansion joint assemblies required. This work includes lead flashing at the roof drains, and counter flashing at the HVAC units.
- 9. Parapet Coping Cap: The parapet coping cap shall be galvanized, factory painted and match exterior metal panels. Parapet Coping Cap material shall match vertical and horizontal sheet metal panels.
- 10. Sub-Girts: This Bid Package (BP076) is responsible to furnish and install vertical and horizontal sub-girts.

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- 11. Roof Accessories: This Bid Package (BP07) is responsible for the supply and installation of roof accessories. Column Caps: This Bid Package (BP06) shall furnish and install 18 gauge sheet metal column wall cover factory primed and painted, column caps in between classrooms.
- 12. Metal Flashings: This Bid Package (BP076) shall furnish and install continuous metal flashing.
- 13. Window Metal Flashings: This Bid Package (BP076) shall furnish and install window metal flashing.
- 14. Galvanized Metal Flashings: This Bid Package (BP076) shall furnish and install galvanized metal flashing per the contract documents.
- 15. Metal Flashing Order Upon Approval: Contractor to place order for metal flashing at window openings immediately on approval on shop drawings. Flashings are required prior to storefront window system going in.
- 16. Expansion Joint: This Bid Package (BP076) shall furnish and install all expansion joint filler material and sealants for work of this Bid Package, including any located where concrete adjoins work previously installed by others.
- 16. Hoisting and Rigging: This Bid Package is responsible to provide all cranes, hoists, lift equipment and coordination to complete the erection, installation, and assembly of the Structural Steel, Misc. Metals, Metal Decking and related components associated with this Bid Package.

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5. 19. Expansion/Seismic Control: This Bid Package (BP06) Contract scope of work includes all preparatory work and the supply and installation of expansion control as indicated in the Contract Documents. See details 16, 18, 25, 26, and 30/A9.21B of increment 2 as examples. This bid package is required to coordinate with all other bid packages related to the installation of expansion/seismic control as indicated in the contract documents

Traffic Control: Traffic Control required for the duration of the project will be provided by Bid Package 01 in accordance with the CalTrans Approved Traffic Control Plan which is included as a part of the Contract Documents. Bid Package 01 will also provide all directional signage and traffic control associated with the overnight bridge installation. This Bid Package is responsible to provide additional, specific traffic control including flag or sign personnel necessary during operations of this Bid Package.

Hoisting and Rigging: This Bid Package is responsible to provide all cranes, hoists, lift equipment and coordination to complete the erection, installation, and assembly of the Structural Steel, Misc. Metals, Metal Decking and related components associated with this Bid Package.

Attachment to Existing Structures: Where any new structural elements and other work of this Bid Package is indicated to be connected or joined to existing structures, this Bid Package is responsible for all modification to existing elements necessary to complete connections, and all bolts and fasteners necessary to complete the work of this bid package. Demolition of existing structure or improvements where indicated on drawings will be completed by Bid Package 02 and 03.

Shop Priming: This Bid Package is responsible to complete all shop priming of structural steel

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~~members and fabricated items provided under this Bid Package.~~

~~High Performance Coatings: This Bid Package is responsible to complete the surface preparation and prime coating of items designated to receive High Performance Coatings pursuant to section 099600 and the drawings. Finish Materials for section 099600 will be applied and completed by the painting contractor on site, after installation of all primed work by this Bid Package.~~

~~Embeds and Attachments: This Bid Package is responsible to fabricate and provide all steel items to be embedded in, or cast in, concrete. This includes but is not limited to all anchor bolts for structural or fabricated steel items, base plates, embed plates for connection of steel beams, columns, and other framing members, ledger angles, brace frame plates, shear plates.— Scope of this bid package includes fabrication, delivery to the jobsite, and placement at a staging location designated by the Construction Manager. There is limited lay down and storage space available on site. This Bid Package is responsible for deliveries as designated or scheduled by the Construction Manager. The Trade Contractor for Bid Package 04 Structural and Site Concrete is responsible for placement and setting of all embedded or cast in place items.~~

~~Drag Reinforcing Bars: This Bid Package is responsible to complete welding of drag bars to beams. Bid Package 04 Structural and Site Concrete Trade Contractor is responsible to provide and cast into the concrete shear walls the drag reinforcing bars, see Increment 1 plans 6,7,19/S3.04.~~

~~Elevator Guide Rails: This Bid Package is responsible to complete the elevator guide rails, as per plans, specifications and details. Scope of this Bid Package includes completing engineering calculations necessary to satisfy requirements for the Deferred Submittal for the elevator guiderails. Engineering for the elevator guide rails shall be provided via a submittal separate from other submittals by this Bid Package.~~

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ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) FLUID-APPLIED MEMBRANE AIR BARRIERS

AESS: This Bid Package is responsible to complete the fabrication and installation of all the Architecturally Exposed Structural Steel as shown on the drawings and described by the specifications for both Increment 1 and Increment 2. In addition to the members specifically noted on the plans, any Structural Steel component that is directly exposed to view, whether partial or complete, that is not completely covered by fireproofing, opaque fenestration, or cladding, shall be treated as AESS.

Surface Preparation: This Bid Package is responsible to complete the surface preparation and priming for AESS items as designated on the plans and specifications. Surface preparation includes but is not limited to grinding of welds, fill weld access holes and erection bolt holes, consistent alignment, orientation and length of bolts, removal and patching of any lifting tabs or temporary connections, etc. Finish coatings will be completed by the Bid Package 1 Trade Contractor.

General: As noted in the Specifications, the requirements of Division 05 Section “Structural Steel Framing” also apply to all AESS.

STEEL DECKING METAL WALL PANELS

Metal Decking: This Bid Package is responsible to complete all metal deck shown on the plans. This scope includes all decking and/or structural decking at Increment 1 second level floor, exterior decks, front low roof, main roof, exposed decking at Increment 2 Bridge, and elsewhere where shown on the

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drawings and as otherwise indicated by the specifications for both Increment 1 and Increment 2.

Installation and Attachment: This Bid Package is responsible to provide and install all materials necessary for a complete installation of the metal decking including all closure plates/closure angles, deck edge angles, Z closure plates, (both gauged, and 1/4" or greater where required), angles for support of decking, reinforcing steel welded to decking or to closure plate, shear studs, beam shims, bent plates,

Welding: This Bid Package is Responsible for all welding for metal decking and all items included in this Bid Package. This Bid Package shall provide it's own reliable source of power for welding associated with this Bid Package.

Metal Deck Openings: This Bid Package shall provide openings in the metal decking where other contractors require penetration of the decking to complete their scope or as indicated on the drawings. This Bid Package shall coordinate with said contractors for layout and shall provide and install any necessary reinforcing before cutting the deck.

METAL STAIRS/RIBBED METAL WALL PANELS

Metal Stairs: This Bid Package is responsible to complete the metal stairs including all steel members, stringers, treads, landings, closures, nosings, railings, cane detection railings, and other items necessary for a complete installation, as shown on the drawings and in the specifications for both Increment 1 and Increment 2.

Railings: This Bid Package is responsible to construct metal stairs and all related work of this Bid Package, including railings, according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

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Tread Fill: Concrete fill and reinforcing for concrete fill is to be done by Bid Package 04 Trade Contractor. Any welding of reinforcing steel shown on drawings that connects to steel stair framing or other members is to be completed by this Bid Package.

PERFORATED METAL WALL PANELS METAL FABRICATIONS

General: All applicable requirements of Division 5 apply to the scope of work of this Bid Package, and are included in the scope of work of this Bid Package. This Bid Package is responsible to complete all metal fabrications shown on the drawings and identified in the specifications, including those listed in Specification Section 055000.

Trash Enclosure Components: This Bid Package is responsible to complete the steel and miscellaneous metal components associated with the trash enclosure including roof structure, roof decking, tubular steel fence and gates, gate threshold, welded wire square mesh infill, and miscellaneous items necessary for a complete installation. Standing Seam roof, insulation, and dense deck by Bid Package 06.

Wire Mesh Panels: This Bid Package is responsible to complete all woven wire mesh panels, stainless steel wire mesh panels and associated frameworks and components for a complete installation.

Gates and Fencing: This Bid Package is responsible to complete maintenance access gates and fencing at stair 2 second floor, and at stair 3. Fabrication and installation includes all excavations, reinforcement, concrete, backfill, finish grading (around immediate area), mounting, trim, and gate hardware, but specifically excludes locking mechanisms and systems noted on the Door Hardware Schedule which shall be furnished and installed by Bid Package 01. This Bid Package shall provide all preparatory materials and work required for mounting of finish hardware.

Tie Back Posts: This Bid Package is responsible to complete the safety tie back posts where shown on the drawings and per detail 10/A9.30.

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Ladders: This Bid Package is responsible to furnish and install all steel ladders and complete the ladder tie-off per A5.01. Increment 1.

This Bid Package is responsible to complete the 1/4" thick galvanized expansion joint covers per 16/A9.21B of increment 2, _____, & _____. (Let's confirm if we want BP #01 to handle all these expansion joints complete with these cover plates, or have this BP-05 do them. Also see 3/A9.23B Inc. 2)

Countertop Supports: This Bid Package is responsible to provide fabricated steel countertop supports per 9,10,11/A9.90 increment 1, and elsewhere as shown on the drawings. Supports are to be delivered to the job site when scheduled by the Construction Manager, for installation by the Bid Package 01.

This Bid Package is responsible to complete the wall-mounted angles for window shades as shown on the drawings. (confirm for this BP or BP # 01)

Confirm canopy @ elevator entrance increment 2 by this BP or by BP-6 or BP1

Bridge Simulator Angle Supports: This Bid Package is responsible to provide the L3x3x1/4 for bridge simulator per 7/S7.10. To be provided F.O.B. job site for installation by others. Bridge simulator frames and base assemblies to be provided and installed by others.

Pipe Bollards: This Bid Package is responsible for all pipe bollards shown on the drawings. Bollards are to be provided to the jobsite when scheduled by the Construction Manager, and off loaded and placed by this Bid Package at storage location designated by the Construction Manager. Installation of bollards to be by Bid Package 04.

Misc. Metal Fabrication for Elevator: This Bid Package is responsible to complete the elevator pit items for Increment 2 including the ladder 1/A9.80B, embed plate & L5x5x3/8 sill 15/A9.80B, and

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~~the second level angle and bent plate per 13/A9.80B.~~

~~Equipment anchorage for mechanical equipment including drilling and bolting per plans to be provided by the respective TRADE CONTRACTORS of Bid Packages 10, 11, 12 and 13.~~

~~**PIPE AND TUBE RAILINGS**~~~~**COMPOSITE METAL WALL PANELS**~~

~~General: This Bid Package is responsible to complete all pipe and tube railings shown on the drawings and identified in the specifications.~~

~~General: This Bid Package is responsible to construct pipe and tube railings and all related work of this Bid Package according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.~~

~~General: This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.~~

~~**ORNAMENTAL METAL RAILINGS**~~~~**MODIFIED BUILT-UP ROOF SYSTEM**~~

~~Ornamental Metal Railings: This Bid Package is responsible to provide all ornamental stainless steel metal railings shown on the drawings and identified in the specifications including all handrails, guardrails, posts, fittings, brackets, flanges, and all other items necessary for a complete installation.~~

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TK-PK Classrooms & Early Learning Building

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This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.

This Bid Package is responsible to construct ornamental metal railings and all related work of this Bid Package according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

This Bid Package is responsible to provide wood top rails where indicated on the drawings. (didn't see on plans – CONFIRM)

ILLUMINATED ORNAMENTAL RAILINGS SHEET METAL FLASHING AND TRIM

(Kind of confusing:

Found illuminated railings only on arch sheets of increment 2.

Increment 1 Fixture sched. Has EB-5 by HDI, Increment 2 has type BA by HD.

Spec section has different manufacturers listed.)

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Illuminated Ornamental Railings: This Bid Package is responsible to provide all illuminated ornamental railings shown on the drawings and identified in the specifications including all handrails, guardrails, posts, fittings, brackets, flanges, lighting system components and all other items necessary for a complete installation.

Electrical Connection: This Bid Package is responsible to fully coordinate with all elements of building construction, including bid package 13 (electrical, division 26) TRADE CONTRACTOR for routing of wiring, placement of transformer(s), and all hook up connections to be by Bid Package 13. This Bid Package shall furnish and install the Illuminated Ornamental Railings with complete lighting components, including all fixtures, wiring integral to the railings, boxes, connections, etc. for hook up by Bid Package 13 Electrical TRADE CONTRACTOR.

CABLE RAIL SYSTEMS ROOF ACCESSORIES

General: This Bid Package is responsible to provide all cable rail systems shown on the drawings and identified in the specifications, including all cable, fittings, fittings, components, and assemblies.

This Bid Package is responsible to construct cable rail systems and all related work of this Bid Package, including railings, according to requirements for accessibility per applicable codes and as

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shown on the drawings and specifications.

This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.

MISCELLANEOUS REQUIREMENTS

This Bid Package is responsible for all welding required for completion of the entire scope of work of this bid package.

This Bid Package is responsible for securement of the work of all items of this bid package to work or improvements completed by others, including all anchors necessary for attachment of the work of this bid package.

This Bid Package is responsible to provide all metal fabrication items as primed, primed for High Performance coatings, or galvanized, as indicated in the drawings and specifications.

Where items pertaining to this Bid Package scope of work for Bid Package 05 are indicated as “By Others”, it is the intent of the drawings and specifications the item of work is to be completed by This Bid Package, and this Bid Package is responsible to complete any items so labeled that apply to the category and scope of this bid package. Example: Increment 2 drawings, on detail 4/S.10B, the item “STEEL PL BY OTHERS” is to be completed by this Bid Package.

3. Contract Scope: This Bid Package (BP1112) Contract scope of work includes: all work required furnish and install all motor starters, heaters, control panels, shut off valves, regulators and any terminal device as required for a complete and operational HVAC system to furnish and install all on-site/off-site, as shown in the Contract Drawings and all

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associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections as illustrated in the Division of Work Dot Matrix 01 10 00. Coordinate with Electrical for location, connection and type.

- 4. HVAC Installations: HVAC Structural Supports & Bracing: Furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Mechanical drawings, or not specifically detailed but required. Mechanical attachments generically referred to on Architectural drawings shall be considered within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12” in length and provide approved splice after fireproofing is installed.
- 5. HVAC: This Bid Package (BP12) is responsible for any and all work shown on the Mechanical drawings and all related specifications, including certified air balance, as well as coordination with other Trade Contractors.
- 6. HVAC Curbs: Furnish and completely install factory curb systems.
- 7. Energy Management Systems (EMS) Control System: Furnish and install all low voltage control wiring, conduit, devices and other equipment required for a complete and operational EMS control system.
- 8. Fire Penetrations: All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements

Protection Covers: Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed.

Access Doors: This BP is responsible for all access doors and hatches required to complete this Bid Package’s scope of work.

Furnished By Others (FBO): Locate and install FBO duct detectors. Coordinate with Electrical for connection and type.

Miscellaneous Blocking: This bid package may be required to place blocking, this work may require coordination with other trades. It is the contractor’s responsibility to perform this coordination with other bid packages.

Exterior Galvanized Pipe: Galvanized piping to be provided at all exterior locations.

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Black-out HVAC Equipment: Provide blackout painting on all ductwork visible through grills, registers and other openings.

Flashings and Waterproof Products: Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.

Commissioning Schedule: Provide complete testing and commissioning schedule within 30 calendar days of Notice to Proceed.

D. GENERAL REQUIREMENTS AND PROVISIONS:

1. This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

BUILDING INFORMATION MODELING

BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Refer to Specification Section 01-31-13— Project Coordination /Building Information Modeling (BIM) for specific scopes of work associated with each TRADE CONTRACTOR.

BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing, Fire Sprinkler and Structural related coordination issues per the Specification Section 01-31-13— Project Coordination /Building Information Modeling (BIM).

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

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1. Schedule: Refer to Construction Manager’s Bid Schedule and associated attachments for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

F. ALLOWANCES:

1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 012 21 00.

The allowance shall be identified as an individual line item on the schedule of values.

The allowance shall not be used unless the CONTRACTOR receives formal written direction from the Owner and/or its Representative identifying additional work at which time the CONTRACTOR shall submit to the Owner for its consideration and approval or disapproval the cost associated with the work. Written notification clearly identifying the additional scope of work required from the CONTRACTOR and the agreed upon dollar amount associated with the work shall be approved by the Owner before such work is performed. The use of the allowance amount shall be at the sole discretion of the Owner.

The base bid shall include all contractor overhead and profit, bonds, and insurance associated with the allowance work/amount.

Any funds remaining in the Allowance at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.

This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

BUILDING INFORMATION MODELING

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~~BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing, Fire Sprinkler and Structural related coordination issues per the Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM).~~

~~SCHEDULING, SEQUENCING AND MOBILIZATIONS:~~

~~Schedule: Provide preparation and submission of a comprehensive Construction Progress Schedule for up to date maintenance or proposed modifications as required by the Division 0 and 1 of the Contract Documents Master Construction Schedule 01 32 13. Three Week Look Ahead schedule shall be submitted by noon the day prior to the scheduled Weekly Construction Manager & Contractor Progress Construction Meetings. Refer to **Exhibit XX – Construction Baseline Schedule and Attachments** for project duration and completion dates.~~

~~ALLOWANCES:~~

~~The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 012XXX.~~

~~The allowance shall be identified as an individual line item on the schedule of values.~~

~~The allowance shall not be used unless the CONTRACTOR receives formal written direction from the Owner and/or it's Representative identifying additional work at which time the CONTRACTOR shall submit to the Owner for its consideration and approval or disapproval the cost associated with the work. Written notification clearly identifying the additional scope of work required from the CONTRACTOR and the agreed upon dollar amount associated with the work shall be approved by the Owner before such work is performed. The use of the allowance amount shall be at the sole discretion of the Owner.~~

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The base bid shall include all contractor overhead and profit, bonds, and insurance associated with the allowance work/amount.

Any funds remaining in the Allowance at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.

END OF SECTION

9. _____

10. _____ Hours of Work: Contractor to comply with Legal Construction Hours per the City of Lawndale. Construction is prohibited on Sunday and national holidays. Except in emergency situations, construction is only permitted:

Monday – Friday, 7:00 a.m. – 7:00 p.m.

Saturday, 8:00 a.m. – 5:00 p.m.

11. _____ Deliveries: Drop off and pickup times of all equipment and material shall comply with the City of Hawthorne construction hours.

12. _____ Freight on Board: Freight on Board (FOB) items will be the responsibility of the installing Bid Package to off load and store.

13. _____ Truck Hours of Operation: Any and all trucks entering and/or exiting the construction site shall only be after the hours of 8:30am school days to avoid congesting W. El Segundo Ave.

14. _____ Owner Notifications: Provide notification to the Owner’s Representative and Construction Manager in a timely manner to facilitate all testing and inspection requirements and in accordance to

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Division 0 and 1 of the Contract Documents and the specific testing requirements of each section where they occur.

15. Request For Clarifications: Provide timely requests for clarifications and other information to allow reasonable response time and avoid delay to the construction schedule as described in Division 0 and 1.

16. Allowances: Provide an allowance in the base bid of this Contract to be used as directed by the Construction Manager as specified under Section 01 21 00. This allowance is in addition to the specific requirements of the scope of work. All unused portions of the allowance will be credited back to the Owner at the end of the Project via a credit change order. Allowances must be included as a separate line item on the schedule of values and may not be billed to the Owner unless prior written direction is given to the Trade Contractor by the Construction Manager.

17. Contractor Lay Down Area Approval: Location of material and lay down area, waste containers, temporary facilities and site coordination to be approved and coordinated by the Construction Manager, refer to **Exhibit 01 – Owner & Contractor Laydown Area Plan.**

18. Coordination & Layout: This Bid Package (BP1112) is responsible to provide all coordination and layout for the other Bid Packages and trades when components are scheduled to attach or are directly affected by the elements of work with in this Contract.

19. Contamination Caution: Provide equipment petroleum protection to avoid soil contamination. Any soil contamination made by this bid package shall be properly disposed of and replaced with approved soil at no additional cost to the Centinela Valley Union High School District and no impact to the schedule.

20. Waste Disposal: This Bid Package (BP1112) is responsible for all waste generated by this Bid Package and the proper disposal of all waste generated by this Bid Package.

21. Excess Material: Haul off excess materials to complete this scope of work.

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- 22. **Daily Housekeeping:** Continuous housekeeping and daily cleanup is mandatory for all Bid Packages. Contractor shall place construction debris in own debris boxes and remove debris from site at Contractor's own expense prior to the end of the work day or as directed by the Construction Manager. All debris boxes will be identified for this contracts use, and containers shall be kept free of graffiti at all times. Failure to perform this task daily, will cause the Owner to exercise its right to self perform work and direct the clean up by others at the expense of the Contractor.
- 23. **Existing Conditions:** This Bid Package (BP1112) is responsible to make a thorough inspection of the Project sites and on-site/off-site conditions. By submitting a bid, this Bid Package assumes full responsibility for existing conditions with respect to the intentions of the Documents and waives any additional compensation for work required by any visible or known current circumstance that is in conflict with the Documents. Any damage done to existing features or known utilities, in the course of work in this Bid Package, will be repaired by this Bid Package at no cost to the Owner.
- 24. **Existing Site Conditions:** The Contractor shall make a thorough examination of the site to determine all existing conditions affecting the work prior to beginning any work under this Bid Package.
- 25. **Best Management Practice:** This Bid Package (BP1112) shall include in their bid (not part of the allowance) all best management practices associated with work under this Bid Package. This includes, but is not limited to: providing concrete washout pits, dust control, and cleaning of streets due to trucking on or off the site, controlling water runoff into storm drains or offsite during concrete placement and clean-up operations and containment of all toxic material as required by law. Clean-up and dispose of all temporary washout pits, and other temporary facilities as required and legally dispose of all waste material. This Bid Package will pay all penalties or fines due to any violations issued to the Owner for this Bid Package's failure to meet requirements by the State or other Government agencies for non-compliance with the State or Federal Clean Water Act or other regulations.

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26. Anticipated Rain Delay Days: Refer to Division 01, Master Construction Schedule Specification Section 01-32-13.

27. Submittals & Shop Drawings: Provide all shop drawings and submittals so as not to cause delay to the construction schedule, this bid package, or any other bid package included in this Project.

28. Construction Meetings: This Bid Package (BP1112) is responsible for attending the Pre-Construction Meeting, Pre-Installation Meetings, BIM Modeling Meeting, Coordination Meetings, Safety Meetings and any other meetings scheduled by the Construction Manager. Contractor's Superintendent or Project Manager is required to attend weekly safety coordination meetings.

29. BIM Coordination: This Bid Package (BP1112) is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing and Fire Sprinkler related coordination issues per the Specification Section 01-31-13 – Project Coordination /Building Information Modeling (BIM).

30. Schedule: Provide preparation and submission of a comprehensive Construction Progress Schedule for up-to-date maintenance or proposed modifications as required by the Division 0 and 1 of the Contract Documents Master Construction Schedule 01-32-13. Three Week Look Ahead schedule shall be submitted by noon the day prior to the scheduled Weekly Construction Manager & Contractor Progress Construction Meetings. Refer to **Exhibit 03 – Construction Baseline Schedule and Attachments** for project duration and completion dates.

31. Mobilization: This Bid Package (BP1112) is responsible for the mobilization and ALL necessary move-ins as required by the phasing and durational schedule in Division 0 and 1 to perform the

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work associated with this Bid Package. Construction Phasing Plan: Phase 1, Phase 2 and Phase 3 refer to **Exhibit 01 – Construction Phasing plan.**

- 32. **Tests and Inspections:** Except as set forth below, the District will pay for fees, costs and expenses to complete the initial tests/inspections of portions of the Work as required by law, code or regulation, provided that such tests/inspections are conducted and completed at a location within a one hundred (100) mile radius of the Site. The foregoing notwithstanding, if the portion(s) of the Work subject to tests/inspections is/are not ready for such test/inspection at the time indicated in the Contractor’s notice under Article 26 or if upon completion of such test/inspection, the portion(s) of the Work subject to such test/inspection do not meet or exceed the minimum requirements of such test/inspection, the Contractor shall be solely responsible for the payment of all fees, costs or expenses arising out of or related in any manner to subsequent tests/inspections of such portion(s) of the Work. Notwithstanding the District’s payment of fees, costs or expenses for conducting initial tests/inspections, if any actions or failures to act of the Contractor or person or entity providing or performing Work under the direction or control of the Contractor require tests/inspections to be conducted over a period of more than eight (8) hours per day by any single person or on weekends/holidays, the Contractor shall be solely responsible for the payment of fees, costs or expenses which result from test/inspection services which exceed eight (8) hours per day by any single person or on weekends/holidays. If any tests/inspections are conducted outside a one hundred (100) mile radius of the Site, the Contractor shall be solely responsible for all costs, fees or expenses to conduct and complete such tests/inspections conducted at such location, including without limitation, costs to complete such tests/inspections and travel, meal and related expenses.
- 33. **Scissor Lifts:** Contractor will not be allowed to use scissor lifts exceeding 1,000 pound gross weight on the second floor.

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- 34. **HVAC Installations:** Furnish and install all motor starters, heaters, control panels, shut off valves, regulators and any terminal device as required to complete this Bid Package’s scope of work. Coordinate with Electrical for location, connection and type.
- 35. **HVAC Structural Supports & Bracing:** Furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Mechanical drawings, or not specifically detailed but required. Mechanical attachments generically referred to on Architectural drawings shall be considered within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12” in length and provide approved splice after fireproofing is installed. Coordinate with CM. If “Or Equal” equipment for specification sections 23-81-19 (roof top air conditioners) and section 23-81-26 (split system air conditioners) are submitted all must meet the design intent, and any related costs incurred including other bid packages to meet the design intent will be at no cost to the district.
- 36. **HVAC:** This Bid Package (BP11) is responsible for any and all work shown on the Mechanical drawings and all related specifications, including certified air balance, as well as coordination with other Trade Contractors.
- 37. **HVAC Curbs:** Furnish and completely install factory curb systems.
- 38. **Energy Management Systems (EMS) Control System:** Furnish and install all low voltage control wiring, conduit, devices and other equipment required for a complete and operational EMS control system.
- 39. **Fire Penetrations:** All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements

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- 40. **Protection Covers:** Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed.
- 41. **Access Doors:** This BP is responsible for all access doors and hatches required to complete this Bid Package's scope of work.
- 42. **Furnished By Others (FBO):** Locate and install FBO duct detectors. Coordinate with Electrical for connection and type.
- 43. **Miscellaneous Blocking:** This bid package may be required to place blocking, this work may require coordination with other trades. It is the contractors responsibility to perform this coordination with other bid packages.
- 44. **Exterior Galvanized Pipe:** Galvanized piping to be provided at all exterior locations.
- 45. **Black-out HVAC Equipment:** Provide blackout painting on all ductwork visible through grills, registers and other openings.
- 46. **Flashings and Waterproof Products:** Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.
- 47. **Commissioning Schedule:** Provide complete testing and commissioning schedule within 30 calendar days of Notice to Proceed.
- 48. **Punch List:** Provide punch list repairs/corrections for this scope of work within thirty five (35) calendar days and will be held responsible for liquidated damages. Reference Front End Bid Document Article 59 and Article 62.

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~~C. CONTRACT METHOD:~~

- ~~1. The Governing Board intends to award the contract to the lowest responsive and responsible bidder. The lowest bid shall be the lowest base bid.~~
- ~~2. Construct the Work under a single lump sum contract and provide a schedule of values with a breakdown of costs for all items of work over 5 percent of the contract value.~~

~~D. CONTRACTOR USE OF PREMISES:~~

- ~~1. Contractor shall have use of the premises for the execution of the work.~~
- ~~2. Coordinate use of the premises under the direction of the Construction Manager.~~
- ~~3. Assume full responsibility for the protection and safekeeping of products under this Contract that are located and/or stored on the site.~~
- ~~4. Move any stored products under Contractor's control that interferes with the operations of the Owner and/or any other Bid Package that is on a separate contract.~~
- ~~5. Obtain and pay for the use of additional storage or work areas needed for operations.~~
- ~~6. Contractor shall assume all responsibility for parking his own and his subcontractor's vehicles at the Owner approved locations. Contractor shall direct all material deliveries to the designated construction entrances.~~
- ~~7. All Owner property is tobacco free, drug free, alcohol free, weapons free and graffiti free. Contractor shall enforce these rules to his crew, subcontractors and suppliers.~~

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- ~~8. Contractor will be required to maintain appropriate approvals for work on an occupied site. Refer to the General Conditions for requirements.~~
- ~~9. Contractor shall provide the name, telephone number and cellular phone number for the superintendent for their entire scope of work within 7 calendar days of the Notice to Proceed. This individual shall serve as the Contractor's representative.~~

END OF SECTION

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BID PACKAGE 051210786

ROOFING AND SHEET METALS **SPORTSFIELD SPECIALTIES** **DOORS AND HARDWARE**

Roofing and Sheet Metal **HVAC / MECHANICAL**

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PART 1 – GENERAL

1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a “Bid Package” number and title. The various prime Contractors are referred to herein as “TRADE CONTRACTORS” or “Contractors”.

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project

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and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

A. Work Covered by Contract Documents

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B. Basic Scope of Work Summary

C. Specific Scope of Work Provisions

D. General Scope of Work and Provisions

E. Building Information Modeling

E. Scheduling, Sequence of Work, and Mobilizations

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F. Allowances

A. Work Covered by Contract Documents

B. Narrative for Scope of Work

C. Contract Method

D. Contractor Use of Premises

A. WORK COVERED BY CONTRACT DOCUMENTS:

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1. Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Lawndale HS Athletic Fields and Practice Gymnasium Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

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The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

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Install “Locate, lay out, temporarily shore or support, and erect to the completed and intended final use.”

Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Professional Mariner Training Center Project Bid Documents, which include but may not be limited to: Division 00, and Division 01 as well as the Orange Coast College, Agreement, Centinela Valley High School District Agreement General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

1. It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work.

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including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Furnish “Delivered to the job site, marked or otherwise identified, assembled, stored, ready and ready for installation.”

Install “Locate, lay out, temporarily shore or support, and erect to the completed and intended final use.”

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B. BASIC NARRATIVE FOR SCOPE OF WORK SCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: all Structural Steel, Architecturally Exposed Structural Steel, Miscellaneous Metals, Handrails, and Metal Decking work Roofing and Sheet Metal w Work required for a complete and operational buildingsports field and paving system-system as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections, as illustrated in the Division of Work Det Matrix 01 10 00. This Contract scope of work includes, but is not limited to, the following items of work:
 2. This Bid Package (BP1112) Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project: ALL preparatory work and the supply and installation_ of the following:
 - Primary Technical Specifications

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Division 0 (Bid Documents)

Division 1011000 – SUMMARY

012600 – CONTRACT MODIFICATION PROCEDURES

012900 – PAYMENT PROCEDURES

013100 – PROJECT MANAGEMENT AND COORDINATION

013200 – CONSTRUCTION PROGRESS DOCUMENTATION

013300 – SUBMITTAL PROCEDURES

014000 – QUALITY REQUIREMENTS

014200 – REFERENCES

015000 – TEMPORARY FACILITIES AND CONTROLS

015639 – TEMPORARY TREE AND PLANT PROTECTION

015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

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017300 – EXECUTION REQUIREMENTS

017419 – CONSTRUCTION WASTE MANAGEMENT

017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

080671 – DOOR HARDWARE SCHEDULE

081113 – HOLLOW METAL DOORS AND FRAMES

087100 – DOOR HARDWARE

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078446 – FIRE-RESISTIVE JOINT SYSTEMS

079200 – JOINT SEALANTS

083113 – ACCESS DOORS AND FRAMES

116833 – ATHLETIC FIELD EQUIPMENT

321123 – AGGREGATE BASE COURSES

321216 – ASPHALT PAVING

321723.13 – PAINTED PAVEMENT MARKINGS

321313 – CONCRETE PAVING

03300071413321814 0 CAST IN PLACE CONCRETE

051200 STRUCTURAL STEEL FRAMING

051213 ARCHITECTURALLY EXPOSED STRUCTURAL STEEL

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053100 STEEL DECKING

054000 COLD-FORMED STEEL FRAMING

055000 METAL FABRICATIONS

055100 METAL STAIRS

055213 PIPE AND TUBE RAILINGS

057210 ORNAMENTAL METAL RAILINGS

057220 ILLUMINATED ORNAMENTAL METAL RAILINGS

057320 CABLE RAIL SYSTEM

099600 HIGH PERFORMANCE COATINGS

Appendix Structure-Special Provisions

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2. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work:

• Primary Technical Specifications:

230500 – COMMON WORK RESULTS FOR HVAC

230513 – COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT

230529 – HANGERS AND SUPPORTS FOR HVAC PIPING ANDS – EQUIPMENT

230548 – VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING – AND EQUIPMENT

230553 – IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT

230593 – TESTING, ADJUSTING AND BALANCING FOR HVAC

23071300 – DUCT HVAC INSULATION

230900 – BUILDING MANAGEMNT AND CONTROLAUTOMATION SYSTEM

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~~232300 – REFRIGERANT PIPING~~

~~23311113 – METAL DUCTS~~

~~233300 – AIR DUCT ACCESSORIES~~

~~233713.13 – AIR DIFFUSERS~~

~~233423 – HVAC POWER VENTILATORS~~

~~233713.23 – AIR DIFFUSERS, REGISTERS AND GRILLES~~

~~234100 – PARTICULATE AIR FILTRATION~~

~~238119 – ROOFTOP AIR CONDITIONERS~~

~~238126 – SPLIT SYSTEM AIR CONDITIONERS~~ ~~238126 – VARIABLE REFRIGERANT FLOW~~
~~SYSTEMS~~

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● Secondary Related Technical Specifications:

078413 – FIRESTOPPING

078446 – FIRE-RESISTIVE JOINT SYSTEMS

079200 – JOINT SEALANTS

083113 – ACCESS DOORS AND FRAMES

220529 – HANGERS AND SUPPORTS FOR PLUMBING EQUIPMENT

055000 – METAL FABRICATIONS 104400 – FIRE PROTECTION SPECIALTIES

211313 – HWET PIPE SPRINKLER SYSTEM SYNTHETIC TURF PERMEABLE BASE SYSTEM

321839- SYTHETIC RUNNING TRACK A/C BASE AND SURFACING T FLUID-APPLIED
RUBBERIZED ASPHALT WATERPROOFING

072726 – FLUID-APPLIED MEMBRANE AIR BARRIERS

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[074213 – MANUFACTURED COPPER ROOFING PANELS](#)

[0754190 – POLYVINYL-CHLORIDE \(PVC\) ROOFING](#)

[076200 – SHEET METAL FLASHING AND TRIM](#)

[076500 – FLEXIBLE SHEET FLASHING](#)

[079200 – JOINT SEALANTS](#)

[079500 – EXPANSION CONTROL](#)

3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work

[220529 – HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT](#)

[230529 – HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT](#)

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260529 – HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

- Secondary Technical Specifications:

061000 – ROUGH CARPENTRY

062000 – SHEATHING

092216 – NON-LOAD BEARING STEEL FRAMING

283100 – INTRUSION DETECTION SYSTEM

321839 – SYNTHETIC RUNNING TRACK SURFACING

All other Specification Sections as they interface or relate to this Scope of Work 078400 – FIRESTOPPING

079200 – JOINT SEALANTS

083100 – ACCESS DOORS AND FRAMES

220529 – HANGERS AND SUPPORTS FOR PLUMBING AND

EQUIPMENT

055000 – METAL FABRICATIONS

C. SPECIFIC SCOPE OF WORK PROVISIONS:

HOT FLUID APPLIED RUBBERIZED ASPHALT WATERPROOFING

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1. STRUCTURAL STEEL

Hollow Metal Doors, Frames & Hardware: This Bid Package (BP08) is responsible for the supply and installation of all hollow metal doors, frames, required hardware and other materials for a complete installation as indicated in the Contract Documents. Install doors and required hardware and other materials.

2. Door Hardware: This Bid Package (BP08) is responsible for the supply and installation of all Door Hardware as indicated on the plans and per specification section 087100. This shall include coordination with the electrical contractor for preparatory work required for the Access Control system.

3. Temporary/Permanent Keying: This Bid Package (BP08) shall supply and install temporary cores (i.e. construction cores) for use during construction operations. This Bid Package is also responsible for the removal of said temporary cores and the installation of new permanent cores upon completion of the project. Contractor shall provide appropriate quantity of keys per the specifications.

4. Access Doors: Provide and install all required access doors and hatches needed to complete the work in this Bid Package.

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- 5. Joint Sealant: This Bid Package shall furnish and install caulking and sealants as required between components of work provided under this Bid Package and also between concrete and gypsum and plaster, and concrete and structural steel work, and all work previously installed which adjoins work of this section. All sealants to be installed per specification.
- 6. Gate Hardware: This Bid Package shall provide panic hardware and closers for any required gates to be installed by others.

1. ~~Hot Fluid Applied Rubberized Asphalt Waterproofing~~ Paving:

Structural Steel: This Bid Package is responsible for the completion of all Hot Fluid Applied Rubberized Asphalt Waterproofing structural steel framing shown on the plans and described in the specifications including all 125 mil columns, beams, brace frames, and all fabricated steel items necessary to complete the building and bridge framings waterproofing membrane, 90-mil waterproofing membrane, primer, molded sheet drainage panels, reinforcing fabric, neoprene sheet, cants, and all other materials and waterproofing system components required to complete the scope of work of this section for both

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Increment 1 and Increment 2, including the following items further described below.. asphalt paving including all aggregate base courses and seal coa

Owner Furnished Owner Installed Items: The District has directly contracted with Astroturf to provide and install synthetic track surfacing and synthetic turf surfaces.

Painted Pavement Markings: This Bid Package is responsible for the completion of all pavement markings except for the lane striping of the synthetic track.

Parking Lot Signage & Wheel Stops: This Bid package is responsible for the completion of all wheel stops and parking lot signage including but limited to; No Parking Signs, ADA Parking Signs, Vehicle Towing Signage etc. All other signage to be provided by other Bid Package.

Grading: This Bid Package is responsible to complete the finish grading of the Synthetic Turf field and Synthetic Track subgrade. This Bid package shall receive the areas at rough grade and be responsible for the completion of finish grading and the removal of all spoils generated from finish grading from the project site.

Conformance Surveys: This Bid package is responsible for the completion of all conformance surveys required for the subgrade of the Synthetic Turf Fields, the Permeable Base System and for the asphalt for the Synthetic Track System. All conformance surveys are to be complete by a California Licensed Surveyor contracted by this Bid Package in accordance with specification sections 321814 and 321839.

Permeable Base System: This Bid Package is responsible for the complete installation of the synthetic turf permeable base system including all aggregate permeable base, drain rock,

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drainage system components, subdrain piping, flat drains, geotextile fabrics and perimeter edge nailer.

- 2. Permeable Base Mockup: This Bid package is responsible for the construction and approval of a stand-alone permeable base mockup per specification section 321814-1.07. This Bid Package is responsible for the removal and disposal of the mockup after approval and completion of the work. Location for the construction of the mockup must be coordinated with and approved by the Construction Manager.

Structural and Misc. Bridge Components: This Bid Package is responsible to furnish and install the steel and miscellaneous metal components for the pedestrian bridge including all steel structure, abutment cap base plates/sole plates, bearing pads, retainer plates, masonry plates, non-shrink grout, cover plates, C-channel and closure plates for sign supports, mesh guardrail and cladding, per the specification sections listed above, per the structural, Total flashed membrane thickness shall be of 215 dry mil minimum, as shown on the plan details, architectural and bridge drawings. Bridge signage per elevations and details on A9.90B to be done by Bid Package 01.

This Prime Contractor is responsible to complete the cleaning of all foreign matter, paint, etc. from drain bodies, to bare metal, prior to applying waterproofing materials. Athletic Equipment: This Bid Package is responsible for the procurement and complete installation of all athletic equipment, including but not limited to all required excavations, reinforcing,

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concrete foundations and sawcutting or coring required for the installation of athletic equipment. All equipment as specified in section 116833 shall be provided by this Bid Package except for the following provided and installed by others:

116833-2.03.D Video Scoreboard

116833-2.6 Outdoor Field Fencing

Concrete Curb @ Synthetic Turf: This Bid package is responsible for the completion of the concrete curb to receive perimeter edge nailer surrounding all synthetic turf fields. This includes all grading, formwork, reinforcing, and backfill required for the placement of the curb. This Bid Package shall coordinate with all other bid packages that may have embedments within this curb. All other concrete curb and flatwork to be performed by Bid Package #___.

Concrete Curb @ Synthetic Track: This Bid package is responsible for the completion of the concrete curb surrounding the synthetic track system. This includes all grading, formwork, reinforcing, and backfill required for the placement of the curb. This Bid Package shall coordinate with all other bid packages that may have embedments within this curb. All other concrete curb and flatwork to be performed by Bid Package #___.

ACO Sport 3000: This Bid Package shall be responsible for the procurement and installation of the ACO Sport 3000 slot channel drain system per **notes 30 & 31 on C3.02.**

Joint Sealants: This Bid package is responsible for all joint sealants for penetrations through concrete curb placed by this Bid Package.

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Weatherproofing/Waterproofing: This Bid Package (BP06) is responsible to furnish and install all weatherproofing/waterproofing associated with the retaining wall as indicated on 1/A9.41. This bid package is also responsible for weatherproofing/waterproofing for the elevator pit as indicated on 20/A9.72 & 30/A9.72 and all similar conditions in the contract documents.

Bridge Assembly and Installation: The pedestrian bridge shall be fabricated offsite in threeThis Bid Package is responsible to provide separation materials, backer rods, and sealants between work installed by this Prime Contractor and work of other prime contractors, in type and thicknesses specified sections and spliced onsite in accordance with the bolt splice connections noted on the Structural Drawings. This Bid Package shall be responsible for the delivery, coordination, and storage of the bridge components on the site and shall also provide any temporary protections, jig, bracing, etc. for the splicing of the bridge components which shall be performed by this Bid Package. In accordance with the Phasing Schedule, the bridge shall be craned in to place by this Bid Package prior to the commencement of significant construction activities associated with the Professional Mariner Training Center Building in order to allow for onsite storage and erection. The bridge shall be craned in to place on a single night between the hours of 11:00PM and completed by 5:00AM. All premium time required for this operation, as it relates to this specific Bid Packages scope of work, shall be included within the base bid of this Bid Package. Refer to Scheduling and Sequence of Work for further information., where shown on the drawings an details, and as required to provide a complete installation by this Prime Contractor.

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Manufactured Copper Roofing: This Bid Package (BP07) Contract scope of work includes all preparatory work and the supply and installation of the Pre-Formed Copper Roofing and Copper Fascia complete with clips, perimeter and penetrations flashings and closures.

Polyvinyl Chloride (PVC) Roofing: Adhered PVC thermoplastic roofing member with flashings and other components to comprise a roofing system including all required substrate preparation, blocking, rigid insulation, separation board, roof membrane, fasteners, flashings, etc. for a complete system.

Sheet Metal Flashing and Trim: This Bid Package (BP07) Contract scope of work includes all preparatory work and the supply and installation of sheet metal flashings and trim assemblies as indicated in the contract documents as part of this bid package scope of work.

Flexible Sheet Flashing: This Bid Package (BP07) Contract scope of work includes all preparatory work and the supply and installation of flexible sheet flashing as required for this bid package scope of work to provide a complete roofing system.

7. Joint Sealant: This Bid Package (BP06) shall furnish and install all caulking and sealants as required between components of work provided under this Bid Package and also between concrete

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and gypsum and plaster, and concrete and structural steel work, and all work previously installed which adjoins work of this section. All sealants to be installed per specification.

8. Sheet Metal & Flashings: This Bid Package (BP06) is responsible for the sheet metal and flashing for the entire Project as noted on the plans and in the specifications. This includes various (all) expansion joint assemblies required. This work includes lead flashing at the roof drains, and counter flashing at the HVAC units.

9. Parapet Coping Cap: The parapet coping cap shall be galvanized, factory painted and match exterior metal panels. Parapet Coping Cap material shall match vertical and horizontal sheet metal panels.

10. Sub-Girts: This Bid Package (BP06) is responsible to furnish and install vertical and horizontal sub-girts.

11. Column Caps: This Bid Package (BP06) shall furnish and install 18 gauge sheet metal column wall cover factory primed and painted, column caps in between classrooms.

12. Metal Flashings: This Bid Package (BP06) shall furnish and install continuous metal flashing.

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13. Window Metal Flashings: This Bid Package (BP06) shall furnish and install window metal flashing.

14. Galvanized Metal Flashings: This Bid Package (BP06) shall furnish and install galvanized metal flashing per the contract documents.

15. Metal Flashing Order Upon Approval: Contractor to place order for metal flashing at window openings immediately on approval on shop drawings. Flashings are required prior to storefront window system going in.

16. Expansion Joint: This Bid Package (BP06) shall furnish and install all expansion joint filler material and sealants for work of this Bid Package, including any located where concrete adjoins work previously installed by others.

17. Manufactured Gutter and Downspouts: This Bid Package (BP06) shall furnish and install all gutter, downspouts, and accessories in accordance with SMACNA requirements.

18. Joint Sealant at Existing Hard surface: This Bid Package (BP06) shall furnish and install all expansion joint filler material and sealants for work of this Bid Package, including any located where concrete adjoins work previously installed by others.

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19. Expansion/Seismic Control: This Bid Package (BP06) Contract scope of work includes all preparatory work and the supply and installation of expansion control as indicated in the Contract Documents. See details 16, 18, 25, 26, and 30/A9.21B of increment 2 as examples. This bid package is required to coordinate with all other bid packages related to the installation of expansion/seismic control as indicated in the contract documents.

20. Hoisting and Rigging: This Bid Package is responsible to provide all cranes, hoists, lift equipment and coordination to complete the erection, installation, and assembly of the Structural Steel, Misc. Metals, Metal Decking and related components associated with this Bid Package.

3.—

Traffic Control: Traffic Control required for the duration of the project will be provided by Bid Package 01 in accordance with the CalTrans Approved Traffic Control Plan which is included as a part of the Contract Documents. Bid Package 01 will also provide all directional signage and traffic control associated with the overnight bridge installation. This Bid Package is responsible to provide additional, specific traffic control including flag or sign personnel necessary during operations of this Bid Package.

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Hoisting and Rigging: This Bid Package is responsible to provide all cranes, hoists, lift equipment and coordination to complete the erection, installation, and assembly of the Structural Steel, Misc. Metals, Metal Decking and related components associated with this Bid Package.

Attachment to Existing Structures: Where any new structural elements and other work of this Bid Package is indicated to be connected or joined to existing structures, this Bid Package is responsible for all modification to existing elements necessary to complete connections, and all bolts and fasteners necessary to complete the work of this bid package. Demolition of existing structure or improvements where indicated on drawings will be completed by Bid Package 02 and 03.

Shop Priming: This Bid Package is responsible to complete all shop priming of structural steel members and fabricated items provided under this Bid Package.

High Performance Coatings: This Bid Package is responsible to complete the surface preparation and prime coating of items designated to receive High Performance Coatings pursuant to section 099600 and the drawings. Finish Materials for section 099600 will be applied and completed by the painting

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contractor on site, after installation of all primed work by this Bid Package.

Embeds and Attachments: This Bid Package is responsible to fabricate and provide all steel items to be embedded in, or cast in, concrete. This includes but is not limited to all anchor bolts for structural or fabricated steel items, base plates, embed plates for connection of steel beams, columns, and other framing members, ledger angles, brace frame plates, shear plates. Scope of this bid package includes fabrication, delivery to the jobsite, and placement at a staging location designated by the Construction Manager. There is limited lay down and storage space available on site. This Bid Package is responsible for deliveries as designated or scheduled by the Construction Manager. The Trade Contractor for Bid Package 04 Structural and Site Concrete is responsible for placement and setting of all embedded or cast in place items.

Drag Reinforcing Bars: This Bid Package is responsible to complete welding of drag bars to beams. Bid Package 04 Structural and Site Concrete Trade Contractor is responsible to provide and cast into the concrete shear walls the drag reinforcing bars, see Increment 1 plans 6,7,19/S3.04.

Elevator Guide Rails: This Bid Package is responsible to complete the elevator guide rails, as per plans, specifications and details. Scope of this Bid Package includes completing engineering calculations necessary to satisfy requirements for the Deferred Submittal for the elevator guiderails.

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Engineering for the elevator guide rails shall be provided via a submittal separate from other submittals by this Bid Package.

ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS)FLUID-APPLIED MEMBRANE AIR BARRIERS

AESS: This Bid Package is responsible to complete the fabrication and installation of all the Architecturally Exposed Structural Steel as shown on the drawings and described by the specifications for both Increment 1 and Increment 2. In addition to the members specifically noted on the plans, any Structural Steel component that is directly exposed to view, whether partial or complete, that is not completely covered by fireproofing, opaque fenestration, or cladding, shall be treated as AESS.

Surface Preparation: This Bid Package is responsible to complete the surface preparation and priming for AESS items as designated on the plans and specifications. Surface preparation includes but is not limited to grinding of welds, fill weld access holes and erection bolt holes, consistent alignment, orientation and length of bolts, removal and patching of any lifting tabs or temporary connections, etc. Finish coatings will be completed by the Bid Package 1 Trade Contractor.

General: As noted in the Specifications, the requirements of Division 05 Section “Structural Steel Framing” also apply to all AESS.

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STEEL DECKING METAL WALL PANELS

Metal Decking: This Bid Package is responsible to complete all metal deck shown on the plans. This scope includes all decking and/or structural decking at Increment 1 second level floor, exterior decks, front low roof, main roof, exposed decking at Increment 2 Bridge, and elsewhere where shown on the drawings and as otherwise indicated by the specifications for both Increment 1 and Increment 2.

Installation and Attachment: This Bid Package is responsible to provide and install all materials necessary for a complete installation of the metal decking including all closure plates/closure angles, deck edge angles, Z closure plates, (both gauged, and 1/4" or greater where required), angles for support of decking, reinforcing steel welded to decking or to closure plate, shear studs, beam shims, bent plates,

Welding: This Bid Package is Responsible for all welding for metal decking and all items included in this Bid Package. This Bid Package shall provide it's own reliable source of power for welding associated with this Bid Package.

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Metal Deck Openings: This Bid Package shall provide openings in the metal decking where other contractors require penetration of the decking to complete their scope or as indicated on the drawings. This Bid Package shall coordinate with said contractors for layout and shall provide and install any necessary reinforcing before cutting the deck.

METAL STAIRS RIBBED METAL WALL PANELS

Metal Stairs: This Bid Package is responsible to complete the metal stairs including all steel members, stringers, treads, landings, closures, nosings, railings, cane detection railings, and other items necessary for a complete installation, as shown on the drawings and in the specifications for both Increment 1 and Increment 2.

Railings: This Bid Package is responsible to construct metal stairs and all related work of this Bid Package, including railings, according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

Tread Fill: Concrete fill and reinforcing for concrete fill is to be done by Bid Package 04 Trade Contractor. Any welding of reinforcing steel shown on drawings that connects to steel stair framing or other members is to be completed by this Bid Package.

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PERFORATED METAL WALL PANELSMETAL FABRICATIONS

General: All applicable requirements of Division 5 apply to the scope of work of this Bid Package, and are included in the scope of work of this Bid Package. This Bid Package is responsible to complete all metal fabrications shown on the drawings and identified in the specifications, including those listed in Specification Section 055000.

Trash Enclosure Components: This Bid Package is responsible to complete the steel and miscellaneous metal components associated with the trash enclosure including roof structure, roof decking, tubular steel fence and gates, gate threshold, welded wire square mesh infill, and miscellaneous items necessary for a complete installation. Standing Seam roof, insulation, and dense deck by Bid Package 06.

Wire Mesh Panels: This Bid Package is responsible to complete all woven wire mesh panels, stainless steel wire mesh panels and associated frameworks and components for a complete installation.

Gates and Fencing: This Bid Package is responsible to complete maintenance access gates and fencing at stair 2 second floor, and at stair 3. Fabrication and installation includes all excavations, reinforcement, concrete, backfill, finish grading (around immediate area), mounting, trim, and gate hardware, but specifically excludes locking mechanisms and systems noted on the Door Hardware

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Schedule which shall be furnished and installed by Bid Package 01. This Bid Package shall provide all preparatory materials and work required for mounting of finish hardware.

Tie Back Posts: This Bid Package is responsible to complete the safety tie back posts where shown on the drawings and per detail 10/A9.30.

Ladders: This Bid Package is responsible to furnish and install all steel ladders and complete the ladder tie off per A5.01, Increment 1.

This Bid Package is responsible to complete the 1/4" thick galvanized expansion joint covers per 16/A9.21B of increment 2, _____, _____ & _____.
(Let's confirm if we want BP #01 to handle all these expansion joints complete with these cover plates, or have this BP 05 do them. Also see 3/A9.23B Inc. 2)

Countertop Supports: This Bid Package is responsible to provide fabricated steel countertop supports per 9,10,11/A9.90 increment 1, and elsewhere as shown on the drawings. Supports are to be delivered to the job site when scheduled by the Construction Manager, for installation by the Bid Package 01.

This Bid Package is responsible to complete the wall-mounted angles for window shades as shown on the drawings. (confirm for this BP or BP # 01)

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Confirm canopy @ elevator entrance increment 2 by this BP or by BP 6 or BP1

Bridge Simulator Angle Supports: This Bid Package is responsible to provide the L3x3x1/4 for bridge simulator per 7/S7.10. To be provided F.O.B. job site for installation by others. Bridge simulator frames and base assemblies to be provided and installed by others.

Pipe Bollards: This Bid Package is responsible for all pipe bollards shown on the drawings. Bollards are to be provided to the jobsite when scheduled by the Construction Manager, and off loaded and placed by this Bid Package at storage location designated by the Construction Manager. Installation of bollards to be by Bid Package 04.

Misc. Metal Fabrication for Elevator: This Bid Package is responsible to complete the elevator pit items for Increment 2 including the ladder 1/A9.80B, embed plate & L5x5x3/8 sill 15/A9.80B, and the second level angle and bent plate per 13/A9.80B.

Equipment anchorage for mechanical equipment including drilling and bolting per plans to be provided by the respective TRADE CONTRACTORS of Bid Packages 10, 11, 12 and 13.

PIPE AND TUBE RAILINGS**COMPOSITE METAL WALL PANELS**

General: This Bid Package is responsible to complete all pipe and tube railings shown on the

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drawings and identified in the specifications.

General: This Bid Package is responsible to construct pipe and tube railings and all related work of this Bid Package according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

General: This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.

ORNAMENTAL METAL RAILINGS MODIFIED BUILT-UP ROOF SYSTEM

Ornamental Metal Railings: This Bid Package is responsible to provide all ornamental stainless steel metal railings shown on the drawings and identified in the specifications including all handrails, guardrails, posts, fittings, brackets, flanges, and all other items necessary for a complete installation.

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This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.

This Bid Package is responsible to construct ornamental metal railings and all related work of this Bid Package according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

This Bid Package is responsible to provide wood top rails where indicated on the drawings. (didn't see on plans – CONFIRM)

ILLUMINATED ORNAMENTAL RAILINGS SHEET METAL FLASHING AND TRIM

(Kind of confusing:

Found illuminated railings only on arch sheets of increment 2.

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Increment 1 Fixture sched. Has EB-5 by HDI, Increment 2 has type BA by HD.

Spec section has different manufacturers listed.)

Illuminated Ornamental Railings: This Bid Package is responsible to provide all illuminated ornamental railings shown on the drawings and identified in the specifications including all handrails, guardrails, posts, fittings, brackets, flanges, lighting system components and all other items necessary for a complete installation.

Electrical Connection: This Bid Package is responsible to fully coordinate with all elements of building construction, including bid package 13 (electrical, division 26) TRADE CONTRACTOR for routing of wiring, placement of transformer(s), and all hook-up connections to be by Bid Package 13. This Bid Package shall furnish and install the Illuminated Ornamental Railings with complete lighting components, including all fixtures, wiring integral to the railings, boxes, connections, etc. for hook-up by Bid Package 13 Electrical TRADE CONTRACTOR.

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CABLE RAIL SYSTEMS ROOF ACCESSORIES

General: This Bid Package is responsible to provide all cable rail systems shown on the drawings and identified in the specifications, including all cable, fittings, fittings, components, and assemblies.

This Bid Package is responsible to construct cable rail systems and all related work of this Bid Package, including railings, according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.

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MISCELLANEOUS REQUIREMENTS

This Bid Package is responsible for all welding required for completion of the entire scope of work of this bid package.

This Bid Package is responsible for securement of the work of all items of this bid package to work or improvements completed by others, including all anchors necessary for attachment of the work of this bid package.

This Bid Package is responsible to provide all metal fabrication items as primed, primed for High Performance coatings, or galvanized, as indicated in the drawings and specifications.

Where items pertaining to this Bid Package scope of work for Bid Package 05 are indicated as “By Others”, it is the intent of the drawings and specifications the item of work is to be completed by This Bid Package, and this Bid Package is responsible to complete any items so labeled that apply to the category and scope of this bid package. Example: Increment 2 drawings, on detail 4/S.10B, the item “STEEL PL BY OTHERS” is to be completed by this Bid Package.

3. Contract Scope: This Bid Package (BP1112) Contract scope of work includes: all work required furnish and install all motor starters, heaters, control panels, shut off valves, regulators and any terminal device as required for a complete and operational HVAC system to furnish and install all on-site/off-site, as shown in the Contract Drawings and all

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associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections as illustrated in the Division of Work Dot Matrix 01-10-00. Coordinate with Electrical for location, connection and type.

4. HVAC Installations: HVAC Structural Supports & Braeing: Furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Mechanical drawings, or not specifically detailed but required. Mechanical attachments generically referred to on Architectural drawings shall be considered within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12" in length and provide approved splice after fireproofing is installed.
5. HVAC: This Bid Package (BP12) is responsible for any and all work shown on the Mechanical drawings and all related specifications, including certified air balance, as well as coordination with other Trade Contractors.
6. HVAC Curbs: Furnish and completely install factory curb systems.
7. Energy Management Systems (EMS) Control System: Furnish and install all low voltage control wiring, conduit, devices and other equipment required for a complete and operational EMS control system.
8. Fire Penetrations: All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements

Protection Covers: Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed.

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Access Doors: This BP is responsible for all access doors and hatches required to complete this Bid Package's scope of work.

Furnished By Others (FBO): Locate and install FBO duct detectors. Coordinate with Electrical for connection and type.

Miscellaneous Blocking: This bid package may be required to place blocking, this work may require coordination with other trades. It is the contractor's responsibility to perform this coordination with other bid packages.

Exterior Galvanized Pipe: Galvanized piping to be provided at all exterior locations.

Black-out HVAC Equipment: Provide blackout painting on all ductwork visible through grills, registers and other openings.

Flashings and Waterproof Products: Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.

Commissioning Schedule: Provide complete testing and commissioning schedule within 30 calendar days of Notice to Proceed.

D. GENERAL REQUIREMENTS AND PROVISIONS:

1. This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified

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within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

BUILDING INFORMATION MODELING

BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing, Fire Sprinkler and Structural related coordination issues per the Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM).

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

1. Schedule: Refer to Construction Manager’s Bid Schedule and associated attachments for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as

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provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

F. ALLOWANCES:

1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 012 21 00.

~~The allowance shall be identified as an individual line item on the schedule of values. The allowance shall not be used unless the CONTRACTOR receives formal written direction from the Owner and/or its Representative identifying additional work at which time the CONTRACTOR shall submit to the Owner for its consideration and approval or disapproval the cost associated with the work. Written notification clearly identifying the additional scope of work required from the CONTRACTOR and the agreed upon dollar amount associated with the work shall be approved by the Owner before such work is performed. The use of the allowance amount shall be at the sole discretion of the Owner.~~

~~The base bid shall include all contractor overhead and profit, bonds, and insurance associated with the allowance work/amount.~~

~~Any funds remaining in the Allowance at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.~~

~~This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified~~

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within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

BUILDING INFORMATION MODELING

BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing, Fire Sprinkler and Structural related coordination issues per the Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM).

SCHEDULING, SEQUENCING AND MOBILIZATIONS:

Schedule: Provide preparation and submission of a comprehensive Construction Progress Schedule for up-to-date maintenance or proposed modifications as required by the Division 0 and 1 of the Contract Documents Master Construction Schedule 01 32 13. Three Week Look Ahead schedule shall be submitted by noon the day prior to the scheduled Weekly Construction Manager & Contractor Progress Construction Meetings. Refer to **Exhibit XX – Construction Baseline Schedule and Attachments** for project duration and completion dates.

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ALLOWANCES:

The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 012XXX.

The allowance shall be identified as an individual line item on the schedule of values.

The allowance shall not be used unless the CONTRACTOR receives formal written direction from the Owner and/or it's Representative identifying additional work at which time the CONTRACTOR shall submit to the Owner for its consideration and approval or disapproval the cost associated with the work. Written notification clearly identifying the additional scope of work required from the CONTRACTOR and the agreed upon dollar amount associated with the work shall be approved by the Owner before such work is performed. The use of the allowance amount shall be at the sole discretion of the Owner.

The base bid shall include all contractor overhead and profit, bonds, and insurance associated with the allowance work/amount.

Any funds remaining in the Allowance at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.

END OF SECTION

9. ———

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10. Hours of Work: Contractor to comply with Legal Construction Hours per the City of Lawndale. Construction is prohibited on Sunday and national holidays. Except in emergency situations, construction is only permitted:

Monday – Friday, 7:00 a.m. – 7:00 p.m.

Saturday, 8:00 a.m. – 5:00 p.m.

11. Deliveries: Drop off and pickup times of all equipment and material shall comply with the City of Hawthorne construction hours.

12. Freight on Board: Freight on Board (FOB) items will be the responsibility of the installing Bid Package to off load and store.

13. Truck Hours of Operation: Any and all trucks entering and/ or exiting the construction site shall only be after the hours of 8:30am school days to avoid congesting W. El Segundo Ave.

14. Owner Notifications: Provide notification to the Owner’s Representative and Construction Manager in a timely manner to facilitate all testing and inspection requirements and in accordance to Division 0 and 1 of the Contract Documents and the specific testing requirements of each section where they occur.

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- 15. Request For Clarifications: Provide timely requests for clarifications and other information to allow reasonable response time and avoid delay to the construction schedule as described in Division 0 and 1.
- 16. Allowances: Provide an allowance in the base bid of this Contract to be used as directed by the Construction Manager as specified under Section 01 21 00. This allowance is in addition to the specific requirements of the scope of work. All unused portions of the allowance will be credited back to the Owner at the end of the Project via a credit change order. Allowances must be included as a separate line item on the schedule of values and may not be billed to the Owner unless prior written direction is given to the Trade Contractor by the Construction Manager.
- 17. Contractor Lay Down Area Approval: Location of material and lay down area, waste containers, temporary facilities and site coordination to be approved and coordinated by the Construction Manager, refer to **Exhibit 01 – Owner & Contractor Laydown Area Plan.**
- 18. Coordination & Layout: This Bid Package (BP1112) is responsible to provide all coordination and layout for the other Bid Packages and trades when components are scheduled to attach or are directly affected by the elements of work with in this Contract.
- 19. Contamination Caution: Provide equipment petroleum protection to avoid soil contamination. Any soil contamination made by this bid package shall be properly disposed of and

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replaced with approved soil at no additional cost to the Centinela Valley Union High School District and no impact to the schedule.

20. Waste Disposal: This Bid Package (BP1112) is responsible for all waste generated by this Bid Package and the proper disposal of all waste generated by this Bid Package.

21. Excess Material: Haul off excess materials to complete this scope of work.

22. Daily Housekeeping: Continuous housekeeping and daily cleanup is mandatory for all Bid Packages. Contractor shall place construction debris in own debris boxes and remove debris from site at Contractor's own expense prior to the end of the work day or as directed by the Construction Manager. All debris boxes will be identified for this contracts use, and containers shall be kept free of graffiti at all times. Failure to perform this task daily, will cause the Owner to exercise its right to self perform work and direct the clean up by others at the expense of the Contractor.

23. Existing Conditions: This Bid Package (BP1112) is responsible to make a thorough inspection of the Project sites and on-site/off-site conditions. By submitting a bid, this Bid Package assumes full responsibility for existing conditions with respect to the intentions of the Documents and waives any additional compensation for work required by any visible or known current circumstance that is in conflict with the Documents. Any damage done to existing features or known utilities, in the course of work in this Bid Package, will be repaired by this Bid Package at no cost to the Owner.

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- 24. Existing Site Conditions: The Contractor shall make a thorough examination of the site to determine all existing conditions affecting the work prior to beginning any work under this Bid Package.
- 25. Best Management Practice: This Bid Package (BP1112) shall include in their bid (not part of the allowance) all best management practices associated with work under this Bid Package. This includes, but is not limited to: providing concrete washout pits, dust control, and cleaning of streets due to trucking on or off the site, controlling water runoff into storm drains or offsite during concrete placement and clean-up operations and containment of all toxic material as required by law. Clean-up and dispose of all temporary washout pits, and other temporary facilities as required and legally dispose of all waste material. This Bid Package will pay all penalties or fines due to any violations issued to the Owner for this Bid Package’s failure to meet requirements by the State or other Government agencies for non compliance with the State or Federal Clean Water Act or other regulations.
- 26. Anticipated Rain Delay Days: Refer to Division 01, Master Construction Schedule Specification Section 01-32-13.
- 27. Submittals & Shop Drawings: Provide all shop drawings and submittals so as not to cause delay to the construction schedule, this bid package, or any other bid package included in this Project.

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- 28. **Construction Meetings:** This Bid Package (BP1112) is responsible for attending the Pre-Construction Meeting, Pre-Installation Meetings, BIM Modeling Meeting, Coordination Meetings, Safety Meetings and any other meetings scheduled by the Construction Manager. Contractor’s Superintendent or Project Manager is required to attend weekly safety coordination meetings.
- 29. **BIM Coordination:** This Bid Package (BP1112) is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing and Fire Sprinkler related coordination issues per the Specification Section 01-31-13 – Project Coordination /Building Information Modeling (BIM).
- 30. **Schedule:** Provide preparation and submission of a comprehensive Construction Progress Schedule for up-to-date maintenance or proposed modifications as required by the Division 0 and 1 of the Contract Documents Master Construction Schedule 01-32-13. Three Week Look Ahead schedule shall be submitted by noon the day prior to the scheduled Weekly Construction Manager & Contractor Progress Construction Meetings. Refer to **Exhibit 03 – Construction Baseline Schedule and Attachments** for project duration and completion dates.

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31. **Mobilization:** This Bid Package (BP1112) is responsible for the mobilization and ALL necessary move-ins as required by the phasing and durational schedule in Division 0 and 1 to perform the work associated with this Bid Package. Construction Phasing Plan: Phase 1, Phase 2 and Phase 3 refer to **Exhibit 01 – Construction Phasing plan.**

32. **Tests and Inspections:** Except as set forth below, the District will pay for fees, costs and expenses to complete the initial tests/inspections of portions of the Work as required by law, code or regulation, provided that such tests/inspections are conducted and completed at a location within a one hundred (100) mile radius of the Site. The foregoing notwithstanding, if the portion(s) of the Work subject to tests/inspections is/are not ready for such test/inspection at the time indicated in the Contractor’s notice under Article 26 or if upon completion of such test/inspection, the portion(s) of the Work subject to such test/inspection do not meet or exceed the minimum requirements of such test/inspection, the Contractor shall be solely responsible for the payment of all fees, costs or expenses arising out of or related in any manner to subsequent tests/inspections of such portion(s) of the Work. Notwithstanding the District’s payment of fees, costs or expenses for conducting initial tests/inspections, if any actions or failures to act of the Contractor or person or entity providing or performing Work under the direction or control of the Contractor require tests/inspections to be conducted over a period of more than eight (8) hours per day by any single person or on weekends/holidays, the Contractor shall be solely responsible for the payment of fees, costs or expenses which result from test/inspection services which exceed eight (8) hours per

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day by any single person or on weekends/holidays. If any tests/inspections are conducted outside a one hundred (100) mile radius of the Site, the Contractor shall be solely responsible for all costs, fees or expenses to conduct and complete such tests/inspections conducted at such location, including without limitation, costs to complete such tests/inspections and travel, meal and related expenses.

- 33. Scissor Lifts: Contractor will not be allowed to use scissor lifts exceeding 1,000 pound gross weight on the second floor.
- 34. HVAC Installations: Furnish and install all motor starters, heaters, control panels, shut off valves, regulators and any terminal device as required to complete this Bid Package's scope of work. Coordinate with Electrical for location, connection and type.
- 35. HVAC Structural Supports & Bracing: Furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Mechanical drawings, or not specifically detailed but required. Mechanical attachments generically referred to on Architectural drawings shall be considered within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12" in length and provide approved splice after fireproofing is installed. Coordinate with CM. If "Or Equal" equipment for specification sections 23-81-19 (roof top air conditioners) and section 23-81-26 (split-system air conditioners) are

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submitted all must meet the design intent, and any related costs incurred including other bid packages to meet the design intent will be at no cost to the district.

36. HVAC: This Bid Package (BP11) is responsible for any and all work shown on the Mechanical drawings and all related specifications, including certified air balance, as well as coordination with other Trade Contractors.

37. HVAC Curbs: Furnish and completely install factory curb systems.

38. Energy Management Systems (EMS) Control System: Furnish and install all low voltage control wiring, conduit, devices and other equipment required for a complete and operational EMS control system.

39. Fire Penetrations: All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements

40. Protection Covers: Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed.

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- 41. Access Doors: This BP is responsible for all access doors and hatches required to complete this Bid Package's scope of work.
- 42. Furnished By Others (FBO): Locate and install FBO duct detectors. Coordinate with Electrical for connection and type.
- 43. Miscellaneous Blocking: This bid package may be required to place blocking, this work may require coordination with other trades. It is the contractors responsibility to perform this coordination with other bid packages.
- 44. Exterior Galvanized Pipe: Galvanized piping to be provided at all exterior locations.
- 45. Black-out HVAC Equipment: Provide blackout painting on all ductwork visible through grills, registers and other openings.
- 46. Flashings and Waterproof Products: Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.
- 47. Commissioning Schedule: Provide complete testing and commissioning schedule within 30 calendar days of Notice to Proceed.

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48. Punch List: Provide punch list repairs/corrections for this scope of work within thirty five (35) calendar days and will be held responsible for liquidated damages. Reference Front End Bid Document Article 59 and Article 62.

C. CONTRACT METHOD:

1. The Governing Board intends to award the contract to the lowest responsive and responsible bidder. The lowest bid shall be the lowest base bid.
2. Construct the Work under a single lump sum contract and provide a schedule of values with a breakdown of costs for all items of work over 5 percent of the contract value.

D. CONTRACTOR USE OF PREMISES:

1. Contractor shall have use of the premises for the execution of the work.
2. Coordinate use of the premises under the direction of the Construction Manager.

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- 3. Assume full responsibility for the protection and safekeeping of products under this Contract that are located and/or stored on the site.
- 4. Move any stored products under Contractor's control that interferes with the operations of the Owner and/or any other Bid Package that is on a separate contract.
- 5. Obtain and pay for the use of additional storage or work areas needed for operations.
- 6. Contractor shall assume all responsibility for parking his own and his subcontractor's vehicles at the Owner approved locations. Contractor shall direct all material deliveries to the designated construction entrances.
- 7. All Owner property is tobacco free, drug free, alcohol free, weapons free and graffiti free. Contractor shall enforce these rules to his crew, subcontractors and suppliers.
- 8. Contractor will be required to maintain appropriate approvals for work on an occupied site. Refer to the General Conditions for requirements.
- 9. Contractor shall provide the name, telephone number and cellular phone number for the superintendent for their entire scope of work within 7 calendar days of the Notice to Proceed. This individual shall serve as the Contractor's representative.

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END OF SECTION

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**BID PACKAGE 09
WINDOW AND STOREFRONT**

SECTION 01 10 10-09

SUMMARY OF WORK

1.01 1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

- A. Work Covered by Contract Documents

- B. Basic Scope of Work Summary

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- C. Specific Scope of Work Provisions

- D. General Scope of Work and Provisions

- E. Scheduling, Sequence of Work, and Mobilizations

- F. Allowances

A. WORK COVERED BY CONTRACT DOCUMENTS:

- 1. **Work Included:** The work to be performed by Contractor shall conform to the requirements of all of the Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. BASIC SCOPE OF WORK SUMMARY:

1. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:

- Primary Technical Specifications
Division 0 (Bid Documents)

Division 1

011000 – SUMMARY

012600 – CONTRACT MODIFICATION PROCEDURES

012900 – PAYMENT PROCEDURES

013100 – PROJECT MANAGEMENT AND COORDINATION

013200 – CONSTRUCTION PROGRESS DOCUMENTATION

013300 – SUBMITTAL PROCEDURES

014000 – QUALITY REQUIREMENTS

014200 – REFERENCES

015000 – TEMPORARY FACILITIES AND CONTROLS

015639 – TEMPORARY TREE AND PLANT PROTECTION

015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

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- 017300 – EXECUTION REQUIREMENTS
- 017419 – CONSTRUCTION WASTE MANAGEMENT
- 017700 – CLOSEOUT PROCEDURES
- 017823 – OPERATION AND MAINTENANCE MANUAL
- 017839 – PROJECT RECORD DOCUMENTS
- 017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

078446 – FIRE-RESISTIVE JOINT SYSTEMS

079200 – JOINT SEALANTS

085113 – ALUMINUM WINDOWS

088000 – GLAZING

2. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work:

- Related Technical Specifications:
033000 - CAST IN PLACE CONCRETE

061000 – ROUGH CARPENTRY

092216 – NON-LOAD BEARING STEEL FRAMING

092400 – PORTLAND CEMENT PLASTERING

092900 – GYPSUM BOARD

All other Specification Sections as they interface or relate to this Scope of Work.

C. SPECIFIC SCOPE OF WORK PROVISIONS

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1. Aluminum Windows: This Bid Package is Responsible to Supply and Install all Aluminum Framed Storefronts per the Contract Documents and Specification Section 085113. This shall include required hardware and other materials for a complete installation as indicated.
 2. Glazing: This Bid Package is Responsible to Supply and Install all Aluminum Window Assemblies and Glazing per the Contract Documents and Specification Section 088000.
 3. Joint Sealant: This Bid Package shall furnish and install caulking and sealants, including caulking of windows for a water tight seal, as required between components of work provided under this Bid Package and also between concrete and gypsum and plaster, and concrete and structural steel work, and all work previously installed which adjoins work of this section. All sealants to be installed per specification.
 4. Cleaning: This Bid Package shall be responsible for a final clean of the glazing, windows and storefront system (interior and exterior) as directed by the Construction Manager but not prior to substantial completion of the project.
 5. Fire stopping: This Bid Package is responsible for all fire stopping associated with this bid package scope of work.
 6. Provide all labor, materials and equipment necessary to install all glass and glazing per Plans, Specifications and Addenda, including but not limited to; all tempered glass, laminated glass, sealed insulating glass, security films, solar control, glazing sealants, caulking of all windows for a water-tight seal preformed glazing tabs, cleaning, hardware, trim, fasteners and accessories for a complete system and installation.
 7. Coordinate own work with adjacent trades and ensure proper alignment of materials, reveals and details as shown or specified.
 8. Cleaning and adjustments for own work as required. Clean up of finish surfaces.
 9. Protection and cleanup of adjacent surfaces from own work.
 10. Provide extra stock and replacement materials as specified.
 11. Provide field samples and mockups as specified.
 12. Provide dumpsters for disposal and removal of own debris.
- D. GENERAL REQUIREMENTS AND PROVISIONS:
- This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.
- E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:
1. Schedule: Refer to Construction Manager's Bid Schedule and associated attachments for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline

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Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

F. ALLOWANCES:

1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 01 21 00.

END OF SECTION

**BID PACKAGE 10
CASEWORK**

SECTION 01 10 10-10

SUMMARY OF WORK

1.01 1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

- A. Work Covered by Contract Documents

- B. Basic Scope of Work Summary

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- C. Specific Scope of Work Provisions

- D. General Scope of Work and Provisions

- E. Scheduling, Sequence of Work, and Mobilizations

- F. Allowances

A. WORK COVERED BY CONTRACT DOCUMENTS:

- 1. **Work Included:** The work to be performed by Contractor shall conform to the requirements of all of the Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. BASIC SCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: All work required to **furnish and install Finish Carpentry and Interior Architectural Casework** as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification. Site Utility Contractor (Bid Package 09) will provide water and sanitation piping to within 5' of the building as indicated in the Contract Drawings.
2. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:

- Primary Technical Specifications
Division 0 (Bid Documents)

Division 1

011000 – SUMMARY

012600 – CONTRACT MODIFICATION PROCEDURES

012900 – PAYMENT PROCEDURES

013100 – PROJECT MANAGEMENT AND COORDINATION

013200 – CONSTRUCTION PROGRESS DOCUMENTATION

013300 – SUBMITTAL PROCEDURES

014000 – QUALITY REQUIREMENTS

014200 – REFERENCES

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015000 – TEMPORARY FACILITIES AND CONTROLS

015639 – TEMPORARY TREE AND PLANT PROTECTION

015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

017300 – EXECUTION REQUIREMENTS

017419 – CONSTRUCTION WASTE MANAGEMENT

017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

062000 – FINISH CARPENTRY

064023 – INTERIOR ARCHITECTURAL CASEWORK

079200 - JOINT SEALANTS

3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work:

- Related Technical Specifications:

055000 - METAL FABRICATION

061000 – ROUGH CARPENTRY

078413 – PENETRATION FIRESTOPPING

083113 - ACCESS DOORS AND FRAMES

All other Specification Sections as they interface or relate to this Scope of Work.

C. SPECIFIC SCOPE OF WORK PROVISIONS

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1. Finish Carpentry and Architectural Wood Casework: This Bid Package is responsible for all labor, materials and equipment necessary to install all custom casework, including but not limited to; all wood casework, glass and glazing integral to casework, counter tops, plastic laminated cabinets, plastic laminated casework, teaching wall cabinets, cabinet drawers, cabinet doors, splashes, moldings, edge bands, adhesives, sealers, bases, toe kicks, hardware, valances, gromets, miscellaneous casework items as indicated on the drawings and as specified for a complete system and installation per Contract Drawings and Specification Sections 062000 and 064100.
2. Coordination with MEP Trades: This Bid Package shall coordinate with other trades in order to provide cutouts for mechanical, electrical and plumbing fixtures, inserts, appliances, outlet boxes, drains or other penetrations as required. Scribe and cut own work to fit adjoining work, refinish and seal cuts. Counter sink nails, fill surface flush, sand and reseal where face nailing is unavoidable.

D. GENERAL REQUIREMENTS AND PROVISIONS:

This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

Schedule: Refer to Construction Manager's Bid Schedule and associated attachments for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

F. ALLOWANCES:

- a. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 01 21 00.

END OF SECTION

**BID PACKAGE 11
SITE UTILITIES**

SECTION 01 10 10-11

SUMMARY OF WORK

1.01 1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

- A. Work Covered by Contract Documents

- B. Basic Scope of Work Summary

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- C. Specific Scope of Work Provisions
- D. General Scope of Work and Provisions
- E. Scheduling, Sequence of Work, and Mobilizations
- F. Allowances

A. WORK COVERED BY CONTRACT DOCUMENTS:

1. Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. BASIC SCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: All work required to furnish and install **all on-site/off-site Plumbing Water, Sanitary, Storm Utilities, Gas and Fire Water systems**, as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections.
2. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:

- Primary Technical Specifications
Division 0 (Bid Documents)

Division 1

011000 – SUMMARY

012600 – CONTRACT MODIFICATION PROCEDURES

012900 – PAYMENT PROCEDURES

013100 – PROJECT MANAGEMENT AND COORDINATION

013200 – CONSTRUCTION PROGRESS DOCUMENTATION

013300 – SUBMITTAL PROCEDURES

014000 – QUALITY REQUIREMENTS

014200 – REFERENCES

015000 – TEMPORARY FACILITIES AND CONTROLS

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015639 – TEMPORARY TREE AND PLANT PROTECTION

015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

017300 – EXECUTION REQUIREMENTS

017419 – CONSTRUCTION WASTE MANAGEMENT

017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

221116 – DOMESTIC WATER PIPING

221119 – DOMESTIC WATER PIPING SPECIALTIES

221123 – FACILITY NATURAL GAS PIPING

221316 – SANITARY WASTE AND VENT PIPING

221319 – SANITARY WASTE PIPING SPECIALTIES

221413 – STORM DRAIN PIPING

221423 – STORM DRAIN PIPING SPECIALTIES

331100 – WATER UTILITY DISTRIBUTION PIPING

333100 – SANITARY UTILITY SEWERAGE PIPING

334100 – STORM UTILITY DRAINAGE PIPING

334600 - SUBDRAINAGE

3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work:

Related Technical Specifications:

031000 – CONCRETE FORMING AND ACCESSORIES

032000 – CONCRETE REINFORCING

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033000 - CAST IN PLACE CONCRETE

312000 – EARTH MOVING SUMMARY

DIVISION 22

All other Specification Sections as they interface or relate to this Scope of Work.

C. SPECIFIC SCOPE OF WORK PROVISIONS

1. Site Utilities: This Bid Package (BP11) is responsible for all site utility work indicated on the project plans. Site Utilities associated with this bid package include domestic water, sanitary sewer, fire water, gas, and storm drain which are generally shown on the Civil Drawings, but may also include work and/or coordination across Plumbing, Mechanical and Fire Sprinkler drawings. The scope of work for this Bid Package shall terminate 5' outside of the building for point of connection by the Building Plumbing and Fire Sprinkler contractor, with the exception of the fire riser which shall be brought within the fire riser room.
2. Retention Basin and Biofilter: This bid package shall contain all work for the Stormtech Chamber Detention System and biofilter as noted on the civil drawings. This includes but not limited to excavation, installation, procurement of, certification, removal of spoils, fill material, and final fill above the Stormtech Chamber Detention System, and all other items required for a complete installation of the systems.
3. Points of Connection: The points of connection (POC's) for the aforementioned utilities are noted on the Civil Drawings. This Bid Package scope of work shall include potholing/investigating the points of connection for all utilities to confirm depths and sizes of each line. This work shall be performed prior to the start of any associated site utilities and is included within the base bid scope of work and price.
4. Site Gas: This Bid Package is responsible for the installation of the low pressure gas line that is indicated on the P-Sheets stubbed to 12" above finish surface up to the new regulator to be installed at the New Administration Building. The Building Plumbing (BP12) shall be responsible for connecting the gas line at the regulator provided by this Bid Package.
5. Storm Drain: This Bid Package is responsible for the supply and installation of all site storm drainage as indicated in the Contract Documents. This Bid Package is responsible for coordination and making the connection of the site storm drainage system to the in-line catch basin.
6. Encasement and Thrust Blocks: This Bid Package is responsible for furnishing all required encasements and thrust blocking for site utilities.
7. Temporary Site Water: This Bid Package is responsible to furnish and install temporary backflow preventer to the nearest fire hydrant for water needed for all construction activities including dust control and earthwork for the full duration of the project.

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8. Asphalt/Concrete Patch Repairs: Provide all cutting, temporary and permanent patching, including concrete and asphalt paving as required by invasion of this Bid Package onto Project.
 9. Concrete Pours: This Bid Package is responsible for an adequate labor force on site at concrete pours to protect work in place.
 10. Demo: Provide cut, cap and relocation as required to complete this Bid Package scope of work.
 11. Shallow Trenches: This Bid Package is responsible for slurry encasement of shallow plumbing storm drain pipe. Storm drain pipe shall be encased approximately one foot encased around entire pipe per Geotechnical Engineer approval.
 12. Joint Sealants: This Bid Package shall furnish and install caulking and sealants as required between components of work provided under this Bid Package and also between concrete and gypsum and plaster, and concrete and structural steel work, and all work previously installed which adjoins work of this section. All sealants to be installed per specification.
- D. **GENERAL REQUIREMENTS AND PROVISIONS:**
- This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.
- E. **SCHEDULING, SEQUENCING AND MOBILIZATIONS:**
1. **Schedule**: Refer to Construction Manager’s Bid Schedule and associated attachments for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.
- F. **ALLOWANCES:**
1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 01 21 00.

END OF SECTION

**BID PACKAGE 12
BUILDING PLUMBING**

SECTION 01 10 10-12

SUMMARY OF WORK

1.01 1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

- A. Work Covered by Contract Documents

- B. Basic Scope of Work Summary

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- C. Specific Scope of Work Provisions

- D. General Scope of Work and Provisions

- E. Scheduling, Sequence of Work, and Mobilizations

- F. Allowances

- A. **WORK COVERED BY CONTRACT DOCUMENTS:**
 - 1. **Work Included:** The work to be performed by Contractor shall conform to the requirements of all of the Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. BASIC SCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: All work required to **furnish and install Building Plumbing Water, Sanitary Sewer, Natural Gas, Vents and Storm Drainage** as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification. Site Utility Contractor (Bid Package 11) will provide water and sanitation piping to within 5' of the building as indicated in the Contract Drawings.
2. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:

- Primary Technical Specifications
Division 0 (Bid Documents)

Division 1

011000 – SUMMARY

012600 – CONTRACT MODIFICATION PROCEDURES

012900 – PAYMENT PROCEDURES

013100 – PROJECT MANAGEMENT AND COORDINATION

013200 – CONSTRUCTION PROGRESS DOCUMENTATION

013300 – SUBMITTAL PROCEDURES

014000 – QUALITY REQUIREMENTS

014200 – REFERENCES

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015000 – TEMPORARY FACILITIES AND CONTROLS

015639 – TEMPORARY TREE AND PLANT PROTECTION

015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

017300 – EXECUTION REQUIREMENTS

017419 – CONSTRUCTION WASTE MANAGEMENT

017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

078446 – FIRE RESISTIVE JOINT SYSTEMS

079200 – JOINT SEALANTS

083100 – ACCESS DOORS AND PANELS

220513 – COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT

220517 – SLEEVES AND SLEEVE SEALS FOR PLUMBING PIPING

220518 – ESCUTCHEONS FOR PLUMBING PIPING

220519 – METERS AND GAGES FOR PLUMBING PIPING

220523 – GENERAL-DUTY VALVES FOR PLUMBING PIPING

220529 – HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT

220553 – IDENTIFICATION FOR PLUMBING EQUIPMENT

220719 – PLUMBING PIPING INSULATION

221116 – DOMESTIC WATER PIPING

221119 – DOMESTIC WATER PIPING SPECIALTIES

221123 – FACILITY NATURAL GAS PIPING

221316 – SANITARY WASTE AND VENT PIPING

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221319 – SANITARY WASTE PIPING SPECIALTIES

221413 – FACILITY STORM DRAINAGE PIPING

221423 – STORM DRAIN PIPING

221423 – STORM DRAIN PIPING SPECIALTIES

221616 – CONDENSATE DRAIN PIPING

223300 – ELECTRIC DOMESTIC-WATER HEATERS

224213.13 – COMMERCIAL WATER CLOSETS

224216.13 – COMMERCIAL LAVATORIES

224216.16 – COMMERCIAL SINKS

224713 – DRINKING FOUNTAINS

3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work:

- Related Technical Specifications:
 - 031000 – CONCRETE FORMING AND ACCESSORIES
 - 032000 – CONCRETE REINFORCING
 - 033000 - CAST IN PLACE CONCRETE
 - 055000 - METAL FABRICATION
 - 312200 – GRADING
 - 312316 – EXCAVATION
 - 078400 - FIRESTOPPING
 - 232300 – REFRIGERANT PIPING
 - 237413 – PACKAGED, OUTDOOR, CENTRAL-STATION AIR-HANDLING UNITS
 - 238126 – SPLIT-SYSTEM AIR-CONDITIONERS
 - 260500 – BASIC ELECTRICAL MATERIALS AND METHODS

All other Specification Sections as they interface or relate to this Scope of Work.

C. SPECIFIC SCOPE OF WORK PROVISIONS

1. Plumbing: This Bid Package is responsible for all work shown on Plumbing drawings as well as coordinated related scope with all other Trade Contractors to produce FULLY FUNCTIONAL SYSTEMS.
2. Plumbing Fixtures: This Bid Package is responsible for the supply and installation of all plumbing fixtures listed in the Contract Documents and Drawings.
3. Plumbing Equipment: This Bid Package is responsible for the supply and installation of all Plumbing Equipment for a complete and operational system as indicated in the Contract Documents and P0.20.
4. Plumbing Condensate Line: This Bid Package is responsible for the supply and installation of all required condensate line related to HVAC equipment.
5. Low Pressure Gas: This Bid Package is responsible for the installation of all low pressure gas from the regulator and into the building (provided by BP11). This Bid Package is also responsible for the installation of the earthquake shut off valve or regulators that may be required.
6. Plumbing Installations: Furnish and install all fire stops, seals, flashings, sleeves, sealants and fittings as required to complete this Bid Package scope of work.
7. Plumbing Anchors & Supports: Furnish and install all anchoring and supports as required to complete the work in this Bid Package.
8. Fire Penetrations: All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements.
9. Access Doors: This Bid Package is responsible for furnishing and installing all access doors required to complete this Bid Packages scope of work.
10. Concrete Pours: This Bid Package is responsible for an adequate labor force on site at concrete pours to protect work in place. Additionally, this Bid Package shall coordinate with the concrete contractor (Bid Package 03) for pipe penetrations through or under footings. Any sleeves that are required shall be provided by this Bid Package.
11. Flashings and Waterproof Products: Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.
12. Roof Flashings: Provide all flashings for roof drains to roofing Bid Package for installation and coordinate for proper installation.
13. Demo: Provide cut, cap and relocation as required to complete this Bid Package scope of work.
14. Joint Sealant: This Bid Package shall furnish and install caulking and sealants as required between components of work provided under this Bid Package and also between concrete and gypsum and plaster, and concrete and structural steel work, and all work previously installed which adjoins work of this section. All sealants to be installed per specification.

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15. Access Doors and Panels: This Bid Package shall provide and install any access doors/panels required for this scope of work.

D. GENERAL REQUIREMENTS AND PROVISIONS:

This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

Schedule: Refer to Construction Manager's Bid Schedule and associated attachments for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

F. ALLOWANCES:

- a. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 01 21 00.

END OF SECTION

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BID PACKAGE ~~1231~~

HVAC / MECHANICAL

SECTION 01 10 10 ~~1123~~

SUMMARY OF WORK

1.01 1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a “Bid Package” number and title. The various prime Contractors are referred to herein as “TRADE CONTRACTORS” or “Contractors”.

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It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

A. Work Covered by Contract Documents

B. Basic Scope of Work Summary

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[C. Specific Scope of Work Provisions](#)

[D. General Scope of Work and Provisions](#)

[E. Scheduling, Sequence of Work, and Mobilizations](#)

[F. Allowances](#)

[A. WORK COVERED BY CONTRACT DOCUMENTS:](#)

1. [Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.](#)

[It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract](#)

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will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, “Completely remove and legally dispose of off-site.”

Recycle, “Recovery of demolitions waste for the subsequent processing in preparation for reuse.”

Salvage, “Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner.”

Furnish “Delivered to the job site, marked or otherwise identified, assembled, ready for installation.”

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Install “Locate, lay out, temporarily shore or support, and erect to the completed and intended final use.”

SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a “Bid Package” number and title. The various prime Contractors are referred to herein as “TRADE CONTRACTORS” or “Contractors”.

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

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~~1.02 SECTION INCLUDES~~

~~_____~~

~~A. Work Covered by Contract Documents~~

~~_____~~

~~B. Basic Scope of Work Summary~~

~~C. Specific Scope of Work Provisions~~

~~D. General Scope of Work and Provisions~~

~~E. Building Information Modeling~~

~~EE. Scheduling, Sequence of Work, and Mobilizations~~

~~FF. Allowances~~

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A. WORK COVERED BY CONTRACT DOCUMENTS:

Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Professional Mariner Training Center Athletic Facilities Improvements Project Bid Documents, which include but may not be limited to: Division 00, Division 01, Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

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[Furnish “Delivered to the job site, marked or otherwise identified, assembled, stored, ready and ready for installation.”](#)

[Install “Locate, lay out, temporarily shore or support, and erect to the completed and intended final use.”](#)

PART 1 – GENERAL

1.01 – SUMMARY

As explained in Division 01 Section 01-10-10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a “Bid Package” number and title. The various prime Contractors are referred to herein as “TRADE CONTRACTORS” or “Contractors”

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS.

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1.02 SECTION INCLUDES

~~A. Work Covered by Contract Documents~~

~~B. Narrative for Scope of Work~~

~~C. Contract Method~~

~~D. Contractor Use of Premises~~

~~A. WORK COVERED BY CONTRACT DOCUMENTS:~~

~~1. Work Included: The work to be performed by Contractor shall conform to the requirements of all of Division 0 and Division 1 as well as the Orange Coast College Agreement Centinela Valley High School District Agreement General Conditions and other Special Conditions, Supplementary Conditions, Specifications, Drawings and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services~~

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necessary therefore and incidental thereto to complete the Project. ~~It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work without adjustment to the contract sum.~~

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. BASIC NARRATIVE FOR SCOPE OF WORK SCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: all HVAC work required for a complete and operational HVAC system as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections-

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as illustrated in the Division of Work Dot Matrix 01-10-00. This Contract scope of work includes, but is not limited to, the following items of work:

2. This Bid Package (BP1112) Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project: ALL preparatory work and the supply and installation_ of the following:

Primary Technical Specifications

Division 0 (Bid Documents)

Division 1

011000 – SUMMARY

012600 – CONTRACT MODIFICATION PROCEDURES

012900 – PAYMENT PROCEDURES

013100 – PROJECT MANAGEMENT AND COORDINATION

013200 – CONSTRUCTION PROGRESS DOCUMENTATION

013300 – SUBMITTAL PROCEDURES

014000 – QUALITY REQUIREMENTS

014200 – REFERENCES

015000 – TEMPORARY FACILITIES AND CONTROLS

015639 – TEMPORARY TREE AND PLANT PROTECTION

015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

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017300 – EXECUTION REQUIREMENTS

017419 – CONSTRUCTION WASTE MANAGEMENT

017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

~~078446 – FIRE-RESISTIVE JOINT SYSTEMS~~

~~079200 – JOINT SEALANTS~~

~~230529 – HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT~~

~~230548 – VIBRATION AND SIESMIC CONTROL FOR HVAC~~

~~230553 – IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT~~

230593 – TESTING, ADJUSTING, AND BALANCING FOR HVAC

230713 – DUCT INSULATION

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230719 – HVAC PIPING INSULATION

230900 – INSTRUMENTATION AND CONTROL FOR HVAC

232300 – REFRIGERATION PIPING

[BUILDING AUTOMATION SYSTEM](#)

[233113 – METAL DUCTS](#)

[233113 – METAL DUCTS](#)

233300 – AIR DUCT ACCESORIES

233423 – HVAC POWER VENTILATORS

233713 – DIFFUSERS, REGISTERS, AND GRILLES

233723 – HVAC GRAVITY VENTILATORS

237413 – PACKAGED, OUTDOOR, CENTRAL-STATION AIR-HANDLING UNITS

238126 – SPLIT-SYSTEM AIR-CONDITIONERS

[233713.13 – AIR DIFFUSERS](#)

[233713.23 – AIR REGISTERS AND GRILLES](#)

[238126 – VARIABLE REFRIGERANT FLOW SYSTEMS](#)

1. ——— [This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work:](#)

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3.

1. ~~Primary Technical Specifications:~~

- ~~230500 – COMMON WORK RESULTS FOR HVAC~~
- ~~230513 – COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT~~
- ~~230529 – HANGERS AND SUPPORTS FOR HVAC PIPING ANDS – EQUIPMENT~~
- ~~230548 – VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING – AND EQUIPMENT~~
- ~~230553 – IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT~~
- ~~230593 – TESTING, ADJUSTING AND BALANCING FOR HVAC~~
- ~~23071300 – DUCT HVAC INSULATION~~
- ~~230900 – BUILDING MANAGEMNT AND CONTROL AUTOMATION SYSTEM~~
- ~~232300 – REFRIGERANT PIPING~~
- ~~23311113 – METAL DUCTS~~
- ~~233300 – AIR DUCT ACCESSORIES~~
- ~~233713.13 – AIR DIFFUSERS~~
- ~~233423 – HVAC POWER VENTILATORS~~
- ~~233713.23 – AIR DIFFUSERS, REGISTERS AND GRILLES~~
- ~~234100 – PARTICULATE AIR FILTRATION~~
- ~~238119 – ROOFTOP AIR CONDITIONERS~~
- ~~238126 – SPLIT-SYSTEM AIR CONDITIONERS~~ ~~238126 – VARIABLE REFRIGERANT FLOW SYSTEMS~~

Secondary Related Technical Specifications::

- 055000 - METAL FABRICATION
- 076200 – SHEET METAL FLASHING AND TRIM

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~~083113 – ACCESS DOORS AND FRAMES~~

~~260100 – BASIC ELECTRICAL MATERIALS AND METHODS~~

~~260940 – LINE VOLTAGE OCCUPANCY MOTION SENSORS~~

~~All other Specification Sections as they interface or relate to this Scope of Work~~

~~078400 – FIRESTOPPING~~

~~——— 079200 – JOINT SEALANTS~~

~~——— 083100 – ACCESS DOORS AND FRAMES~~

~~——— 220529 – HANGERS AND SUPPORTS FOR PLUMBING AND
——— EQUIPMENT~~

~~——— 055000 – METAL FABRICATIONS~~

C. SPECIFIC SCOPE OF WORK PROVISIONS:

2. ~~Contract Scope HVAC System~~: This Bid Package (~~BP1112~~) Contract scope of work includes: all work required to furnish and install ~~all motor starters, heaters, control panels, shut off valves, regulators and any terminal device as required for~~ a complete and operational HVAC system to furnish and install all on-site/off-site, as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections ~~as illustrated in the Division of Work Dot Matrix 01-10-00~~. ~~Coordinate with Electrical for location, connection and type.~~ This includes, but is not limited to the following: Package A/C Units, Make-up Air Units, Fan Coil Units, Branch Selectors, Split System Heat Pumps, Exhaust Fans, Variable

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Frequency Drives, Supply Fans, Gravity Vents, Diffusers & Grilles, Dryer Duct, Pumps, Refrigerant Systems, HVAC Equipment Controls, Disconnect switchers for all equipment furnished, Ductwork with Insulation, Hydronic Piping with Insulation, Refrigerant Piping, Acoustical Treatment for Piping, Air Registers, Linear Air Diffusers, Mechanical Louvers, Commissioning Support, Start Up Reports by the manufacturer for all equipment, Testing of all systems, Adjusting and Balancing of all new systems and systems tied into new systems such as to be functional, Penetration FirestoppingFire stopping, and Sheet metal caps at HVAC Equipment pads.

1. _____
- 3.—HVAC Installations: HVAC Structural Supports & Bracing: Furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Mechanical drawings, or not specifically detailed but required. Mechanical attachments generically referred to on Architectural drawings shall be considered within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12” in length and provide approved splice after fireproofing is installed.
2. _____
- 4.—HVAC Equipment, Piping, and Ductwork: This Bid Package (BP12) is responsible for all mechanical equipment as indicated on M0.20, ductwork, and associated supports as ~~any and all work~~ shown on the Mechanical drawings, or required for the work, and all related specifications, including certified air balance, as well as coordination with other Trade Contractors.
3. _____
4. Condensate Drain Piping: The Plumbing Trade Contractor shall be responsible for condensate drain piping specifically identified on the Plumbing Sheets. This Bid Package shall be responsible for condensate drainage for HVAC systems if not specifically identified on the Plumbing Sheets.
- 5.—HVAC Curbs: Furnish and completely install factory curb systems.

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5.

6. Protection Covers: Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed.

6. Instrumentation and Controls for HVAC: Furnish and install all low voltage control wiring, conduit, devices and other equipment required for a complete and operational BMS control system as indicated in Specification Section 230900.

7.

8. Fire Alarm Coordination: This Bid Package shall be responsible for providing all necessary equipment associated with HVAC units, ductwork, dampers, etc. for proper connection of the fire alarm system. The fire alarm system shall be connected by Bid Package 14, but the preparatory work, devices, etc. required for connection when associated with HVAC equipment shall be provided by this bid package.

7. Fire Penetrations: All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements

9.

10. Protection Covers: Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed. Louvers: This Bid Package shall furnish and install all louvers that are specifically indicated on the Mechanical Sheets. Furnish and installation shall be complete which includes but may not be limited to, necessary angles and/or supports for attachment (unless specifically noted to be provided otherwise), flashing and trim, caulking, and sealants. This Bid Package shall coordinate with each respective TRADE CONTRACTOR for attachment, and provide and install said material so as not to impact the project schedule.

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11. Access Doors: This Bid Package is responsible for all access doors and hatches that are specifically indicated specifically indicated in the contract drawings for this Bid Package’s scope of work and/or are required by code to complete this Bid Package’s scope of work or allow for proper maintenance access. Prior to installation, Trade Contractor shall submit to the Construction Manager a layout plan for those access panels that are required, but are not specifically laid out on the Contract Drawings.:

~~Furnished By Others (FBO): Locate and install FBO duct detectors. Coordinate with Electrical for connection and type.~~

12. Miscellaneous Blocking: This bid package may be required to place blocking, this work may require coordination with other trades. It is the contractor’s responsibility to perform this coordination with other bid packages.

13. Exterior Galvanized Pipe: Galvanized piping to be provided at all exterior locations.

14. Flashings and Waterproof Products: Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal. This is also applicable to all caulking and/or sealants that may be required for weather proofing, sound, aesthetics or building performance when this Bid Packages scope of work is directly adjacent to other HVAC work or work of other TRADE CONTRACTORS.

15. Air Filters: This Bid Package shall install all HVAC equipment with either temporary air filters, or with specified filters, which shall be replaced during the course of construction and as necessary to maintain air quality, cleanliness, and proper operation of the equipment. At a minimum, the air filters shall be replaced with new upon substantial completion of the project.

16. Commissioning Schedule: Provide complete testing and commissioning schedule within 30 calendar days of Notice to Proceed.

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17. Testing, Adjusting and Balance Report: Provide and comply with the testing, adjusting and balance report which shall be furnished by an independent contractor and coordinated and paid for by this Bid Package. The Construction Schedule may dictate multiple mobilizations and/or partial completion of the building which shall be included and factored within this Bid Package.

Furnished By Others (FBO): The Following Items will be FBO and installed by this Bid Package:

Duct Detectors. Coordinate with Electrical Trade Contractor.

Installed By Others: This Bid Package shall furnish all HVAC equipment with a switched disconnect when required. The disconnect shall be properly mounted by this Bid Package with only landing the electrical wires by the Electrical TRADE CONTRACTOR.

18. Hoisting and Rigging: This Bid Package is responsible to provide all cranes, hoists, lift equipment and coordination to complete the installation, and assembly of the Mechanical Systems and related components associated with this Bid Package.

D. GENERAL REQUIREMENTS AND PROVISIONS:

- 1. This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Refer to Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM) for specific scopes of work associated with each TRADE CONTRACTOR.

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~~BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing, Fire Sprinkler and Structural related coordination issues per the Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM).~~

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

1. Schedule: Refer to Construction Manager’s Bid Schedule and associated attachments for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

F. ALLOWANCES:

1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 012 21 00. The allowance shall be identified as an individual line item on the schedule of values. The allowance shall not be used unless the CONTRACTOR receives formal written direction from the Owner and/or its Representative identifying additional work at which time the CONTRACTOR shall submit to the Owner for its consideration and approval or disapproval the cost associated with the work. Written notification clearly identifying the additional scope of work required from the CONTRACTOR and the agreed upon dollar amount associated with the work shall be approved by the Owner before such work is performed. The use of the allowance amount shall be at the sole discretion of the Owner. The base bid shall include all contractor overhead and profit, bonds, and insurance associated with the allowance work/amount.

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~~Any funds remaining in the Allowance at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.~~

~~This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.~~

~~BUILDING INFORMATION MODELING~~

~~BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing, Fire Sprinkler and Structural related coordination issues per the Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM).~~

~~SCHEDULING, SEQUENCING AND MOBILIZATIONS:~~

~~Schedule: Provide preparation and submission of a comprehensive Construction Progress Schedule for up to date maintenance or proposed modifications as required by the Division 0 and 1 of the Contract Documents Master Construction Schedule 01 32 13. Three Week Look Ahead schedule shall be submitted by noon the day prior to the scheduled Weekly Construction Manager & Contractor Progress Construction Meetings. Refer to **Exhibit XX – Construction Baseline Schedule and Attachments** for project duration and completion dates.~~

~~ALLOWANCES:~~

~~The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 012XXX.~~

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~~The allowance shall be identified as an individual line item on the schedule of values.
 The allowance shall not be used unless the CONTRACTOR receives formal written direction from the Owner and/or it's Representative identifying additional work at which time the CONTRACTOR shall submit to the Owner for its consideration and approval or disapproval the cost associated with the work. Written notification clearly identifying the additional scope of work required from the CONTRACTOR and the agreed upon dollar amount associated with the work shall be approved by the Owner before such work is performed. The use of the allowance amount shall be at the sole discretion of the Owner.
 The base bid shall include all contractor overhead and profit, bonds, and insurance associated with the allowance work/amount.
 Any funds remaining in the Allowance at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.~~

END OF SECTION

8. _____

9. _____

10. ~~Hours of Work: Contractor to comply with Legal Construction Hours per the City of Lawndale. Construction is prohibited on Sunday and national holidays. Except in emergency situations, construction is only permitted:~~

Monday	Friday,	7:00	a.m.	7:00	p.m.
Saturday, 8:00 a.m. – 5:00 p.m.					

11. ~~Deliveries: Drop off and pickup times of all equipment and material shall comply with the City of Hawthorne construction hours.~~

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12. **Freight on Board:** Freight on Board (FOB) items will be the responsibility of the installing Bid Package to off load and store.
13. **Truck Hours of Operation:** Any and all trucks entering and/ or exiting the construction site shall only be after the hours of 8:30am school days to avoid congesting W. El Segundo Ave.
14. **Owner Notifications:** Provide notification to the Owner’s Representative and Construction Manager in a timely manner to facilitate all testing and inspection requirements and in accordance to Division 0 and 1 of the Contract Documents and the specific testing requirements of each section where they occur.
15. **Request For Clarifications:** Provide timely requests for clarifications and other information to allow reasonable response time and avoid delay to the construction schedule as described in Division 0 and 1.
16. **Allowances:** Provide an allowance in the base bid of this Contract to be used as directed by the Construction Manager as specified under Section 01 21 00. This allowance is in addition to the specific requirements of the scope of work. All unused portions of the allowance will be credited back to the Owner at the end of the Project via a credit change order. Allowances must be included as a separate line item on the schedule of values and may not be billed to the Owner unless prior written direction is given to the Trade Contractor by the Construction Manager.
17. **Contractor Lay Down Area Approval:** Location of material and lay down area, waste containers, temporary facilities and site coordination to be approved and coordinated by the Construction Manager, refer to **Exhibit 01 – Owner & Contractor Laydown Area Plan.**
18. **Coordination & Layout:** This Bid Package (BP1112) is responsible to provide all coordination and layout for the other Bid Packages and trades when components are scheduled to attach or are directly affected by the elements of work with in this Contract.

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- 19. ~~Contamination Caution: Provide equipment petroleum protection to avoid soil contamination. Any soil contamination made by this bid package shall be properly disposed of and replaced with approved soil at no additional cost to the Centinela Valley Union High School District and no impact to the schedule.~~
- 20. ~~Waste Disposal: This Bid Package (BP1112) is responsible for all waste generated by this Bid Package and the proper disposal of all waste generated by this Bid Package.~~
- 21. ~~Excess Material: Haul off excess materials to complete this scope of work.~~
- 22. ~~Daily Housekeeping: Continuous housekeeping and daily cleanup is mandatory for all Bid Packages. Contractor shall place construction debris in own debris boxes and remove debris from site at Contractor's own expense prior to the end of the work day or as directed by the Construction Manager. All debris boxes will be identified for this contracts use, and containers shall be kept free of graffiti at all times. Failure to perform this task daily, will cause the Owner to exercise its right to self perform work and direct the clean up by others at the expense of the Contractor.~~
- 23. ~~Existing Conditions: This Bid Package (BP1112) is responsible to make a thorough inspection of the Project sites and on-site/off-site conditions. By submitting a bid, this Bid Package assumes full responsibility for existing conditions with respect to the intentions of the Documents and waives any additional compensation for work required by any visible or known current circumstance that is in conflict with the Documents. Any damage done to existing features or known utilities, in the course of work in this Bid Package, will be repaired by this Bid Package at no cost to the Owner.~~
- 24. ~~Existing Site Conditions: The Contractor shall make a thorough examination of the site to determine all existing conditions affecting the work prior to beginning any work under this Bid Package.~~
- 25. ~~Best Management Practice: This Bid Package (BP1112) shall include in their bid (not part of the allowance) all best management practices associated with work under this Bid Package. This includes, but is not limited to: providing concrete washout pits, dust control, and cleaning of streets~~

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due to trucking on or off the site, controlling water runoff into storm drains or offsite during concrete placement and clean-up operations and containment of all toxic material as required by law. Clean-up and dispose of all temporary washout pits, and other temporary facilities as required and legally dispose of all waste material. This Bid Package will pay all penalties or fines due to any violations issued to the Owner for this Bid Package's failure to meet requirements by the State or other Government agencies for non-compliance with the State or Federal Clean Water Act or other regulations.

- 26. Anticipated Rain Delay Days: Refer to Division 01, Master Construction Schedule Specification Section 01-32-13.
- 27. Submittals & Shop Drawings: Provide all shop drawings and submittals so as not to cause delay to the construction schedule, this bid package, or any other bid package included in this Project.
- 28. Construction Meetings: This Bid Package (BP1112) is responsible for attending the Pre-Construction Meeting, Pre-Installation Meetings, BIM Modeling Meeting, Coordination Meetings, Safety Meetings and any other meetings scheduled by the Construction Manager. Contractor's Superintendent or Project Manager is required to attend weekly safety coordination meetings.
- 29. BIM Coordination: This Bid Package (BP1112) is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing and Fire Sprinkler related coordination issues per the Specification Section 01-31-13 – Project Coordination /Building Information Modeling (BIM).
- 30. Schedule: Provide preparation and submission of a comprehensive Construction Progress Schedule for up-to-date maintenance or proposed modifications as required by the Division 0 and 1 of the Contract Documents Master Construction Schedule 01-32-13. Three Week Look Ahead schedule shall be submitted by noon the day prior to the scheduled Weekly Construction Manager & Contractor

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~~Progress Construction Meetings. Refer to Exhibit 03 – Construction Baseline Schedule and Attachments for project duration and completion dates.~~

~~31. Mobilization: This Bid Package (BP1112) is responsible for the mobilization and ALL necessary move-ins as required by the phasing and durational schedule in Division 0 and 1 to perform the work associated with this Bid Package. Construction Phasing Plan: Phase 1, Phase 2 and Phase 3 refer to Exhibit 01 – Construction Phasing plan.~~

~~32. Tests and Inspections: Except as set forth below, the District will pay for fees, costs and expenses to complete the initial tests/inspections of portions of the Work as required by law, code or regulation, provided that such tests/inspections are conducted and completed at a location within a one hundred (100) mile radius of the Site. The foregoing notwithstanding, if the portion(s) of the Work subject to tests/inspections is/are not ready for such test/inspection at the time indicated in the Contractor’s notice under Article 26 or if upon completion of such test/inspection, the portion(s) of the Work subject to such test/inspection do not meet or exceed the minimum requirements of such test/inspection, the Contractor shall be solely responsible for the payment of all fees, costs or expenses arising out of or related in any manner to subsequent tests/inspections of such portion(s) of the Work. Notwithstanding the District’s payment of fees, costs or expenses for conducting initial tests/inspections, if any actions or failures to act of the Contractor or person or entity providing or performing Work under the direction or control of the Contractor require tests/inspections to be conducted over a period of more than eight (8) hours per day by any single person or on weekends/holidays, the Contractor shall be solely responsible for the payment of fees, costs or expenses which result from test/inspection services which exceed eight (8) hours per day by any single person or on weekends/holidays. If any tests/inspections are conducted outside a one hundred (100) mile radius of the Site, the Contractor shall be solely responsible for all costs, fees or~~

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expenses to conduct and complete such tests/inspections conducted at such location, including without limitation, costs to complete such tests/inspections and travel, meal and related expenses.

- 33. Scissor Lifts: Contractor will not be allowed to use scissor lifts exceeding 1,000 pound gross weight on the second floor.
- 34. HVAC Installations: Furnish and install all motor starters, heaters, control panels, shut off valves, regulators and any terminal device as required to complete this Bid Package’s scope of work. Coordinate with Electrical for location, connection and type.
- 35. HVAC Structural Supports & Bracing: Furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Mechanical drawings, or not specifically detailed but required. Mechanical attachments generically referred to on Architectural drawings shall be considered within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12” in length and provide approved splice after fireproofing is installed. Coordinate with CM. If “Or Equal” equipment for specification sections 23 81 19 (roof top air conditioners) and section 23 81 26 (split system air conditioners) are submitted all must meet the design intent, and any related costs incurred including other bid packages to meet the design intent will be at no cost to the district.
- 36. HVAC: This Bid Package (BP11) is responsible for any and all work shown on the Mechanical drawings and all related specifications, including certified air balance, as well as coordination with other Trade Contractors.
- 37. HVAC Curbs: Furnish and completely install factory curb systems.
- 38. Energy Management Systems (EMS) Control System: Furnish and install all low voltage control wiring, conduit, devices and other equipment required for a complete and operational EMS control system.

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- 39. **Fire Penetrations:** All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements
- 40. **Protection Covers:** Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed.
- 41. **Access Doors:** This BP is responsible for all access doors and hatches required to complete this Bid Package’s scope of work.
- 42. **Furnished By Others (FBO):** Locate and install FBO duct detectors. Coordinate with Electrical for connection and type.
- 43. **Miscellaneous Blocking:** This bid package may be required to place blocking, this work may require coordination with other trades. It is the contractors responsibility to perform this coordination with other bid packages.
- 44. **Exterior Galvanized Pipe:** Galvanized piping to be provided at all exterior locations.
- 45. **Black-out HVAC Equipment:** Provide blackout painting on all ductwork visible through grills, registers and other openings.
- 46. **Flashings and Waterproof Products:** Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.
- 47. **Commissioning Schedule:** Provide complete testing and commissioning schedule within 30 calendar days of Notice to Proceed.

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48. ~~Punch List: Provide punch list repairs/corrections for this scope of work within thirty five (35) calendar days and will be held responsible for liquidated damages. Reference Front End Bid Document Article 59 and Article 62.~~

C. ~~CONTRACT METHOD:~~

- ~~1. The Governing Board intends to award the contract to the lowest responsive and responsible bidder. The lowest bid shall be the lowest base bid.~~
- ~~2. Construct the Work under a single lump sum contract and provide a schedule of values with a breakdown of costs for all items of work over 5 percent of the contract value.~~

D. ~~CONTRACTOR USE OF PREMISES:~~

- ~~1. Contractor shall have use of the premises for the execution of the work.~~
- ~~2. Coordinate use of the premises under the direction of the Construction Manager.~~
- ~~3. Assume full responsibility for the protection and safekeeping of products under this Contract that are located and/or stored on the site.~~
- ~~4. Move any stored products under Contractor's control that interferes with the operations of the Owner and/or any other Bid Package that is on a separate contract.~~
- ~~5. Obtain and pay for the use of additional storage or work areas needed for operations.~~

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Bid Documents

May 2021 July

2024 January 2019

~~Orange Coast College Professional Mariner Training Center~~

~~CENTINELA VALLEY UNION HIGH SCHOOL DISTRICT~~

~~Hawthorne High School – Phase II Classroom Addition~~

- ~~6. Contractor shall assume all responsibility for parking his own and his subcontractor's vehicles at the Owner approved locations. Contractor shall direct all material deliveries to the designated construction entrances.~~
- ~~7. All Owner property is tobacco free, drug free, alcohol free, weapons free and graffiti free. Contractor shall enforce these rules to his crew, subcontractors and suppliers.~~
- ~~8. Contractor will be required to maintain appropriate approvals for work on an occupied site. Refer to the General Conditions for requirements.~~
- ~~9. Contractor shall provide the name, telephone number and cellular phone number for the superintendent for their entire scope of work within 7 calendar days of the Notice to Proceed. This individual shall serve as the Contractor's representative.~~

END OF SECTION

SUMMARY OF WORK

SECTION 01 10 10-123

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SUMMARY OF WORK

SECTION 01 10 10-121

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BID PACKAGE 14

ELECTRICAL, LOW VOLTAGE SYSTEMS AND FIRE ALARM

SECTION 01 10 10-14

SCOPE OF WORK

1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

- A. Work Covered by Contract Documents
- B. Basic Scope of Work Summary

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- C. Specific Scope of Work Provisions

- D. General Scope of Work and Provisions

- E. Scheduling, Sequence of Work, and Mobilizations

- F. Allowances

A. WORK COVERED BY CONTRACT DOCUMENTS:

1. Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

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Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. BASIC SCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: all **Electrical, Fire Alarm, Communications, and Low Voltage work** required for complete and operational systems as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections.
2. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:
 - Primary Technical Specifications:
 - Division 0 (Bid Documents)
 - Division 1
 - 011000 – SUMMARY
 - 012600 – CONTRACT MODIFICATION PROCEDURES
 - 012900 – PAYMENT PROCEDURES

 - 013100 – PROJECT MANAGEMENT AND COORDINATION
 - 013200 – CONSTRUCTION PROGRESS DOCUMENTATION

 - 013300 – SUBMITTAL PROCEDURES

 - 014000 – QUALITY REQUIREMENTS

 - 014200 – REFERENCES

 - 015000 – TEMPORARY FACILITIES AND CONTROLS

 - 015639 – TEMPORARY TREE AND PLANT PROTECTION

 - 015723 – TEMPORARY STORM WATER POLLUTION CONTROL

 - 016000 – PRODUCT REQUIREMENTS

 - 017300 – EXECUTION REQUIREMENTS

 - 017419 – CONSTRUCTION WASTE MANAGEMENT

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017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

078446 – FIRE-RESISTIVE JOINT SYSTEMS

079200 – JOINT SEALANTS

083113 – ACCESS DOORS AND FRAMES

260100 – ELECTRICAL GENERAL PROVISIONS

260500 – BASIC ELECTRICAL MATERIALS AND METHODS

260530 – CONDUIT AND WIRE

260923 – LIGHTING CONTROL SYSTEM

260940 – LINE VOLTAGE OCCUPANCY MOTION SENSORS

262415 – SWITCHBOARDS, PANELBOARDS, AND TERMINAL CABINETS

263300 – BATTERY ENERGY STORAGE SYSTEMS

265000 – LIGHTING FIXTURES

265200 – EMERGENCY LIGHTING INVERTER

DIVISION 27 – COMMUNICATIONS

271000 – STRUCTURED CABLING

274114 – AUDIO VIDEO SYSTEM

275126 – PORTABLE ASSISTIVE LISTENING SYSTEM

275313 – PAGING SYSTEM

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

283100 - INTRUSION DETECTION SYSTEM

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284620 – FIRE ALARM

3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work:

- Related Technical Specifications:
 - 031000 – CONCRETE FORMING AND ACCESSORIES
 - 032000 – CONCRETE REINFORCING
 - 033000 – CAST IN PLACE CONCRETE
 - 061000 – ROUGH CARPENTRY
 - 099100 – PAINTING
 - 220513 – COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT
 - 223300 – ELECTRIC DOMESTIC WATER CLOSETS
 - 230900 – INSTRUMENTATION AND CONTROL FOR HVAC
 - 237413 – PACKAGED, OUTDOOR, CENTRAL-STATION AIR-HANDLING UNITS
 - 238126 – SPLIT-SYSTEM AIR-CONDITIONERS
 - 312000 – EARTH MOVING SUMMARY

All other Specification Sections as they interface or relate to this Scope of Work

C. SPECIFIC SCOPE OF WORK PROVISIONS:

1. Contract Scope: This Bid Package Contract scope of work includes: all work required to furnish and install all on-site/off-site Electrical, Fire Alarm, Communications, Audiovisual Systems, Safety and Security systems as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections.
2. Electrical: This Bid Package includes all items and work indicated on the Electrical drawings as well as all items listed in specifications and related items in other TRADE CONTRACTORS Bid Package's and as indicated in the Contract Documents.
3. Demolition: Provide cut, cap and relocation as required of existing on-site/off-site utilities, street lighting, fixtures and features found on Civil Demolition Drawings and as indicated on the contract documents. Coordinate with local utility services and school for removal and/or relocation of all components found on site. Dispose of all debris generated by this Bid Package offsite in a legal manner and at your own cost. Coordinate with Bid Packages.
4. Temporary Power: This Bid Package is responsible to provide Temporary Power which shall include temporary power poles, 50A spider box, and 100' of extension cable. Electrical Contractor may

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- utilize existing switchgear(s) if feasible. Final locations to be coordinated with Construction Manager and so normal length extension cords can be utilized by trades. Maintain and keep in good working order all temporary power components.
5. Temporary Lighting: This Bid Package is responsible to provide Temporary Lighting throughout entire Building including: restrooms, classrooms, corridors, electrical rooms, miscellaneous rooms. Set up billing of used utilities to be paid for by Electrical Contractor. Provide enough spider boxes to ensure Prime Contractors have enough electricity for normal construction demands. This Bid Package shall also provide temporary security lighting at the contractor staging area as designated on the Site Logistics Plan.
 6. Temporary Power for Construction Management Trailer: Furnish and Install temporary overhead power pathway to the Construction Management Trailer. Reference Construction Laydown Plan for location of trailer and restrooms. Coordinate tie-ins with Construction Managers.
 7. Temporary Data for Job Site Trailers: This Bid Package is responsible to provide data for CM and IOR trailers via hardwire and Wi-Fi for all electronic device throughout the duration of the project.*
 8. Temporary Power Tie-In Location: This Bid Package is responsible to provide temporary power to the construction site. Construction Phasing plan showing switchgear location where temporary power will be pulled from. Contractor to provide an install temporary power poles as necessary. The Electrical contractor shall coordinate this work with the Construction Management and determine the locations.
 9. On Site and Off Site Utilities: Provide all trenching, backfill, compaction, street patching and conduit for all dry utilities covered in this BP that run through the site in any direction and location to the building as designed. Remove any abandoned utilities encountered in any utility trench during the installation of the utilities required in this Bid Package any excavation and providing and installation of concrete vaults and boxes is included in this package. Protect in place all existing utilities scheduled to remain. Refer to Construction Drawings and as built drawings as well as provide utility search services. Any damage done to known conduits, cables and equipment will be repaired by this Bid Package at no cost to owner including interruptions and damage caused by said interruptions.
 10. Electrical Conduit: Furnish and install all conduit for all power equipment, furnish fire alarm conduit, and low voltage conduit on/off site.
 11. Concrete Pours: This Bid Package is responsible for an adequate labor force on site at concrete pours to protect work in place.
 12. Electrical Structural Supports & Bracing: This Bid Package is responsible to furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Electrical drawings, or not specifically detailed but required. Electrical attachments generically referred to on Architectural drawings shall be considered within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12" in length and provide approved splice after fireproofing is installed. Coordinate with CM.
 13. Site Lighting & Light Pole Foundations: Provide required labor, materials, design and coordination for the on-site lighting. Concrete foundations for pole bases will be furnished and installed by the Concrete Bid Package. Provide anchor bolts attached to templates with double nuts and with proper projection for all light poles.
 14. Encased Conduit: Furnish and install all required concrete encasement including all conduits passing through or under footings, coordinate with structural drawings.

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15. Smoke Fire Dampers: Furnish and supply all materials and labor necessary to provide power for all smoke fire dampers.
16. Communications: This Bid Package is responsible to furnish and install all required systems to provide a complete and operational Communications System per specifications and as indicated in the Contract Documents.
17. Low Voltage Systems: This Bid Package is responsible to supply and install all low voltage systems not specifically mentioned yet are indicated in the Contract Documents to provide a complete and operational system.
18. Fire Alarm System: This Bid Package is responsible to furnish and install all required systems to provide a complete and operational Fire Alarm System per specifications and as indicated in the Contract Documents.
19. Technology Systems: This Bid Package is responsible to furnish and install all required systems to provide a complete and operational Technology System per specifications and as indicated in the Contract Documents. See Contract Documents Technology Drawings for information related to pathways, public address systems, access controls, surveillance systems, intrusion detection systems, clock systems, and annotation systems.
20. Access Doors: Provide and install all required access doors and hatches needed to complete the work in this Bid Package.
21. Fire rated Backboard: Provide and install all plywood backboards as required for all work associated with this Bid Package.
22. Legacy Systems: Contractor may be required to interface or coordinate connections between the new and existing systems. Contractor is to notify the Construction Management team in advance of any coordination that may need to be done with the District on their existing systems.
23. Interface Coordination: This bid package is to coordinate interfaces with the Owners representative where appropriate.
24. Fire Penetrations: All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements
25. Flashings and Waterproof Products: Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.

D. GENERAL REQUIREMENTS AND PROVISIONS:

1. This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

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1. Schedule: Refer to **Construction Manager's Bid Schedule and associated attachments** for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.
- F. ALLOWANCES:
1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 01 21 00.

END OF SECTION

**BID PACKAGE 15
LANDSCAPE AND IRRIGATION**

SECTION 01 10 10-15

SUMMARY OF WORK

1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

- A. Work Covered by Contract Documents
- B. Basic Scope of Work Summary
- C. Specific Scope of Work Provisions

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- D. General Scope of Work and Provisions
- E. Scheduling, Sequence of Work, and Mobilizations
- F. Allowances

A. WORK COVERED BY CONTRACT DOCUMENTS:

1. Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. NARRATIVE FOR SCOPE OF WORK:

1. This Bid Packages Basic Scope of Work includes: All work required to **furnish and install all on-site/off-site Landscape and Irrigation Systems** for a complete and operational system, as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections.
2. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:
 - Primary Technical Specifications:
 - Division 0 (Bid Documents)
 - Division 1
 - 011000 – SUMMARY
 - 012600 – CONTRACT MODIFICATION PROCEDURES
 - 012900 – PAYMENT PROCEDURES

 - 013100 – PROJECT MANAGEMENT AND COORDINATION
 - 013200 – CONSTRUCTION PROGRESS DOCUMENTATION

 - 013300 – SUBMITTAL PROCEDURES

 - 014000 – QUALITY REQUIREMENTS

 - 014200 – REFERENCES

 - 015000 – TEMPORARY FACILITIES AND CONTROLS

 - 015639 – TEMPORARY TREE AND PLANT PROTECTION

 - 015723 – TEMPORARY STORM WATER POLLUTION CONTROL

 - 016000 – PRODUCT REQUIREMENTS

 - 017300 – EXECUTION REQUIREMENTS

 - 017419 – CONSTRUCTION WASTE MANAGEMENT

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017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

328400 – IRRIGATION SYSTEM

329113 – SOIL PREPARATION

329300 - PLANTING

3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work:

- Related Technical Specifications:

311000 - SITE CLEARING

312000 – EARTH MOVING SUMMARY

C. SPECIFIC SCOPE OF WORK PROVISIONS:

1. Irrigation System: This Bid Package (BP15) is responsible to provide a complete an operational irrigation system. The site operates off of reclaimed water and this Bid Package will be responsible to investigate, verify, and connect to the existing reclaimed water system.
2. Reclaimed Water Identification: This Bid Package (BP15) is responsible to provide and install reclaimed water tags for each coupler and provide and install an additional (30) extra for existing couplers onsite.
3. Reclaimed Water Signage: Provide and install (20) of reclaimed water signage across the existing campus for the health department inspector.
4. Spoil & Waste Disposal: This Bid Package (BP15) is responsible for all spoils and waste generated by this Bid Package and the proper disposal of all stockpiled spoils and waste generated by this Bid Package.
5. Point of Connection Coordination: This Bid Package (BP15) is responsible to coordinate with the Plumbing and Electrical Contractor for the installation of designated points of connection (e.g. irrigation controller,
6. Planting: This Bid Package is responsible for the supply and installation of all planting and landscape materials including soil amendments and top soil.

7. Mechanical Seeding: This Bid Package (BP15) is responsible for the use and providing of machinery that evenly disperses seeds then mechanically pushes the seeds into the soil.
8. Excavating: This Bid Package (BP15) is responsible for any of the shallow excavation along with any tools/equipment that may be required for the installation of the irrigation system.
9. Backfill: This Bid Package (BP15) is responsible for any backfilling required for the installation of the irrigation system.
10. Finish Grade Verification: This Bid Package (BP15) Contract scope of work includes: the verification of all finish grades, final grading, and proper drainage associated with the placement of all planting and irrigation installation, and maintenance as set forth in the Project specifications.
11. Irrigation Sleeve Concrete Pours: This Bid Package is responsible for an adequate labor force on site at and before concrete pours to ensure any required irrigation sleeves have been installed and to protect work in place.

D. GENERAL REQUIREMENTS AND PROVISIONS:

1. This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

1. Schedule: Refer to Construction Manager's Bid Schedule and associated attachments for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

F. ALLOWANCES:

1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 01 21 00.

END OF SECTION

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BID PACKAGE 0512116076

ROOFING AND SHEET METAL BASE AND ASPHALT

Roofing and Sheet Metal HVAC / MECHANICAL

SECTION 01 10 10-~~1112160576~~

SUMMARY OF WORK

~~PART 1 – GENERAL~~

1.01 SUMMARY

SUMMARY OF WORK

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As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a “Bid Package” number and title. The various prime Contractors are referred to herein as “TRADE CONTRACTORS” or “Contractors”.

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

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~~**CENTINELA VALLEY UNION HIGH SCHOOL DISTRICT**~~

~~**-Hawthorne High School – Phase II Classroom Addition**~~

A. Work Covered by Contract Documents

B. Basic Scope of Work Summary

C. Specific Scope of Work Provisions

D. General Scope of Work and Provisions

E. Scheduling, Sequence of Work, and Mobilizations

F. Allowances

A. WORK COVERED BY CONTRACT DOCUMENTS:

1. Work Included: The work to be performed by Contractor shall conform to the requirements of all of the ~~Lawndale HS Athletic Fields and Practice Gymnasium~~ Carl E. Gilbert TK-PK Classrooms &

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-Hawthorne High School – Phase II Classroom Addition

Early Learning Bid Documents, which include but may not be limited to: Division 00, Division 01, Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

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~~**-Hawthorne High School – Phase II Classroom Addition**~~

Salvage, “Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner.”

Furnish “Delivered to the job site, marked or otherwise identified, assembled, ready for installation.”

Install “Locate, lay out, temporarily shore or support, and erect to the completed and intended final use.”

B. BASIC SCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: all work required for a complete and operational ~~sports field and paving system~~ drop off area, fire lane and parking lot as shown in the Contract Drawings and all associated sheets, elevations, ~~and~~ details, and the methods and in the Primary and Related Specification Sections.

2. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:

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CENTINELA VALLEY UNION HIGH SCHOOL DISTRICT

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1.01 — SUMMARY

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1.02 SECTION INCLUDES

A. Work Covered by Contract Documents

=====

B. Basic Scope of Work Summary

C. Specific Scope of Work Provisions

D. General Scope of Work and Provisions

E. Building Information Modeling

E. Scheduling, Sequence of Work, and Mobilizations

F. Allowances

A. Work Covered by Contract Documents

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B. Narrative for Scope of Work

C. Contract Method

D. Contractor Use of Premises

A. WORK COVERED BY CONTRACT DOCUMENTS:

Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Professional Mariner Training Center Project Bid Documents, which include but may not be limited to: Division 00, and Division 01 as well as the Orange Coast College, Agreement, Centinela Valley High School District Agreement General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

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1. ——— It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Furnish “Delivered to the job site, marked or otherwise identified, assembled, stored, ready and ready for installation.”

Install “Locate, lay out, temporarily shore or support, and erect to the completed and intended final use.”

B. ——— BASIC NARRATIVE FOR SCOPE OF WORK SCOPE OF WORK SUMMARY:

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This Bid Packages Basic Scope of Work includes: all Structural Steel, Architecturally Exposed Structural Steel, Miscellaneous Metals, Handrails, and Metal Decking work Roofing and Sheet Metal Work required for a complete and operational building system as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections as illustrated in the Division of Work Dot Matrix 01-10-00. This Contract scope of work includes, but is not limited to, the following items of work:

This Bid Package (BP1112) Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project: ALL preparatory work and the supply and installation of the following:

- Primary Technical Specifications
Division 0 (Bid Documents)

Division 1

011000 – SUMMARY

012600 – CONTRACT MODIFICATION PROCEDURES

012900 – PAYMENT PROCEDURES

013100 – PROJECT MANAGEMENT AND COORDINATION

013200 – CONSTRUCTION PROGRESS DOCUMENTATION

013300 – SUBMITTAL PROCEDURES

014000 – QUALITY REQUIREMENTS

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014200 – REFERENCES

015000 – TEMPORARY FACILITIES AND CONTROLS

015639 – TEMPORARY TREE AND PLANT PROTECTION

015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

017300 – EXECUTION REQUIREMENTS

017419 – CONSTRUCTION WASTE MANAGEMENT

017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

321216 – HOT-MIX ASPHALT (HMA) PAVING

321236 – EMULSIFIED SLURRY SEAL

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321540 – GRANITECRETE – CRUSHED AGGREGATE PAVING

072100 – THERMAL INSULATION

075114 – MODIFIED BUILT UP ROOF SYSTEM

076200 – SHEET METAL FLASHING AND TRIP

077200 – ROOF ACCESSORIES

095423 – LINEAR METAL CEILING SYSTEM

03300071413 0 CAST IN PLACE CONCRETE

051200 STRUCTURAL STEEL FRAMING

051213 ARCHITECTURALLY EXPOSED STRUCTURAL STEEL

053100 STEEL DECKING

054000 COLD-FORMED STEEL FRAMING

055000 METAL FABRICATIONS

055100 METAL STAIRS

055213 PIPE AND TUBE RAILINGS

057210 ORNAMENTAL METAL RAILINGS

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057220 ILLUMINATED ORNAMENTAL METAL RAILINGS

057320 CABLE RAIL SYSTEM

099600 HIGH PERFORMANCE COATINGS

Appendix Structure-Special Provisions

2. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work:

• Primary Technical Specifications:

230500 – COMMON WORK RESULTS FOR HVAC

230513 – COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT

230529 – HANGERS AND SUPPORTS FOR HVAC PIPING ANDS – EQUIPMENT

230548 – VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING – AND EQUIPMENT

230553 – IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT

230593 – TESTING, ADJUSTING AND BALANCING FOR HVAC

23071300 – DUCT HVAC INSULATION

230900 – BUILDING MANAGEMNT AND CONTROLAUTOMATION SYSTEM

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232300 – REFRIGERANT PIPING

23311113 – METAL DUCTS

233300 – AIR DUCT ACCESSORIES

233713.13 – AIR DIFFUSERS

233423 – HVAC POWER VENTILATORS

233713.23 – AIR DIFFUSERS, REGISTERS AND GRILLES

234100 – PARTICULATE AIR FILTRATION

238119 – ROOFTOP AIR CONDITIONERS

238126 – SPLIT-SYSTEM AIR CONDITIONERS 238126 – VARIABLE REFRIGERANT FLOW SYSTEMS

• Secondary Related Technical Specifications:

078413 – FIRESTOPPING

078446 – FIRE-RESISTIVE JOINT SYSTEMS

079200 – JOINT SEALANTS

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~~083113 — ACCESS DOORS AND FRAMES~~

~~220529 — HANGERS AND SUPPORTS FOR PLUMBING EQUIPMENT~~

~~055000 — METAL FABRICATIONS 104400 — FIRE PROTECTION SPECIALTIES~~

~~211313 — HWET PIPE SPRINKLER SYSTEM OT FLUID-APPLIED RUBBERIZED ASPHALT
WATERPROOFING~~

~~_____~~

~~072726 — FLUID-APPLIED MEMBRANE AIR BARRIERS~~

~~074213 — MANUFACTURED COPPER ROOFING PANELS~~

~~0754190 — POLYVINYL-CHLORIDE (PVC) ROOFING~~

~~076200 — SHEET METAL FLASHING AND TRIM~~

~~076500 — FLEXIBLE SHEET FLASHING~~

~~079200 — JOINT SEALANTS~~

~~079500 — EXPANSION CONTROL~~

3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work

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220529 – HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT

230529 – HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT

260529 – HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

• Secondary Technical Specifications:

031000 – CONCRETE FORMING AND ACCESORIES

033000 – CAST-IN-PLACE CONCRETE

061600 – SHEATHING 081113 – HOLLOW METAL DOORS AND FRAMES

084313 – ALUMINUM FRAMES STOREFRONTS

086223 – TUBULAR SKYLIGHTS

089100 – LOUVERS

092236 – LATH

079200 – JOINT SEALANTS

311000 – SITE CLEARING

312316 – EARTH MOVING SUMMARY

All other Specification Sections as they interface or relate to this Scope of Work 078400 – FIRESTOPPING

079200 – JOINT SEALANTS

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083100 – ACCESS DOORS AND FRAMES

220529 – HANGERS AND SUPPORTS FOR PLUMBING AND EQUIPMENT

055000 – METAL FABRICATIONS

C. SPECIFIC SCOPE OF WORK PROVISIONS:

HOT FLUID-APPLIED RUBBERIZED ASPHALT WATERPROOFING

STRUCTURAL STEEL

1. Hot Fluid Applied Rubberized Asphalt Waterproofing Asphalt: This Bid Package is responsible for the completion of all of the asphalt pavement work or improvements shown on the plans and described in the specifications including crushed rock layer (base), asphalt paving, concrete wheel stops, pavement markings, all joint sealants associated with asphalt work, and all asphalt curing and asphalt sealing, which is required to complete the scope of work.
2. Traffic Signage: This Bid Package is responsible for the supply and installation of all traffic signage that is shown on the plans and described in the specifications.
3. Pavement Markings: This Bid Package is responsible for the supply and painting of all pavement markings shown on the plans and described in the specifications.

1. Modified Built up Roof System WATERPROOFING:

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Structural Steel: This Bid Package is responsible for the completion of all Hot Fluid Applied Rubberized Asphalt Waterproofing the modified built up roof system and associated preparatory work, including thermal insulation and weather barriers. There are specific elements of the roofing system which are “Furnished by the District and Installed by the Contractor” structural steel framing which are designated in Specification Section 075114, shown on the plans and described in the specifications including all 125 mil columns, beams, brace frames, and all fabricated steel items necessary to complete the building and bridge framings waterproofing membrane, 90-mil waterproofing membrane, primer, molded sheet drainage panels, reinforcing fabric, neoprene sheet, cants, and all other materials and waterproofing system components required to complete the scope of work of this section for both Increment 1 and Increment 2, including the following items further described below.

Structural and Misc. Bridge Components: This Bid Package is responsible to furnish and install the steel and miscellaneous metal components for the pedestrian bridge including all steel structure, abutment cap base plates/sole plates, bearing pads, retainer plates, masonry plates, non-shrink grout, cover plates, C-channel and closure plates for sign supports, mesh guardrail and cladding, per the specification sections listed above, per the structural, Total flashed membrane thickness shall be of 215 dry mil minimum, as shown on the plan details, architectural and bridge drawings. Bridge signage per elevations and details on A9.90B to be done by Bid Package 01.

- 4. Surface Prep: This Prime Contractor is responsible to complete the cleaning of all foreign matter, paint, etc. from drain bodies, to bare metal, prior to applying waterproofing materials or metal composite wall panels.;
- 5. Concrete Wheel Stops: This Bid Package is responsible for the supply and installation of concrete wheel stops, associated secondary supports and structural steel.

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Crushed Rock Layer (Base): This Bid Package is responsible for the supply and installation of the appropriately sized crushed rock layer that is shown on the plans and described in the specifications for the parking lot.

6.

Metal Composite Material Wall Panels: This Bid Package (BP07) is responsible for for the supply and installation of metal composite material, associated secondary supports (unless structural steel provide by BP05), anchors, and underlayment membrane.

Linear Metal Ceiling System: This Bid Package (BP07) is responsible for the supply and installation of the Linear Metal Ceiling System including soffit and fascia and associated weatherproofing at the exterior canopy. Backing and drywall shall be installed by Bid Package 01.

Weatherproofing/Waterproofing: This Bid Package (BP076) is responsible to furnish and install all weatherproofing/waterproofing associated with the retaining wall as indicated on 1/A9.41. This bid package is also responsible for weatherproofing/waterproofing for the elevator pit as indicated on 20/A9.72 & 30/A9.72 and all similar conditions in the contract documents.roofing system and underlayment required for the metal composite material wall panels.

Bridge Assembly and Installation: The pedestrian bridge shall be fabricated offsite in threeThis Bid Package is responsible to provide separation materials, backer rods, and sealants between work installed by this Prime Contractor and work of other prime contractors, in type and thicknesses specified sections and spliced onsite in accordance with the bolt splice connections noted on the Structural Drawings. This Bid Package shall be

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responsible for the delivery, coordination, and storage of the bridge components on the site and shall also provide any temporary protections, jig, bracing, etc. for the splicing of the bridge components which shall be performed by this Bid Package. In accordance with the Phasing Schedule, the bridge shall be craned in to place by this Bid Package prior to the commencement of significant construction activities associated with the Professional Mariner Training Center Building in order to allow for onsite storage and erection. The bridge shall be craned in to place on a single night between the hours of 11:00PM and completed by 5:00AM. All premium time required for this operation, as it relates to this specific Bid Packages scope of work, shall be included within the base bid of this Bid Package. Refer to Scheduling and Sequence of Work for further information., where shown on the drawings an details, and as required to provide a complete installation by this Prime Contractor.

Manufactured Copper Roofing: This Bid Package (BP07) Contract scope of work includes all preparatory work and the supply and installation of the Pre Formed Copper Roofing and Copper Fascia complete with clips, perimeter and penetrations flashings and closures.

Polyvinyl-Chloride (PVC) Roofing: Adhered PVC thermoplastic roofing member with flashings and other components to comprise a roofing system including all required substrate preparation, blocking, rigid insulation, separation board, roof membrane, fasteners, flashings, etc. for a complete system.

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Sheet Metal Flashing and Trim: This Bid Package (BP07) Contract scope of work includes all preparatory work and the supply and installation of sheet metal flashings and trim assemblies as indicated in the contract documents as part of this bid package scope of work.

Flexible Sheet Flashing: This Bid Package (BP07) Contract scope of work includes all preparatory work and the supply and installation of flexible sheet flashing as required for this bid package scope of work to provide a complete roofing system.

- 7. Site Signage: This Bid Package shall furnish and install all site signage for this project along with coordinating with any other Bid Package(s) in order to complete this scope of work.

19. Expansion/Seismic Control: This Bid Package (BP06) Contract scope of work includes all preparatory work and the supply and installation of expansion control as indicated in the Contract Documents. See details 16, 18, 25, 26, and 30/A9.21B of increment 2 as examples. This bid package is required to coordinate with all other bid packages related to the installation of expansion/seismic control as indicated in the contract documents.

2018. Hoisting and Rigging: This Bid Package is responsible to provide all cranes, hoists, lift equipment and coordination to complete the erection, installation, and assembly of the Structural Steel, Misc. Metals, Metal Decking and related components associated with this Bid Package.

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Traffic Control: Traffic Control required for the duration of the project will be provided by Bid Package 01 in accordance with the CalTrans Approved Traffic Control Plan which is included as a part of the Contract Documents. Bid Package 01 will also provide all directional signage and traffic control associated with the overnight bridge installation. This Bid Package is responsible to provide additional, specific traffic control including flag or sign personnel necessary during operations of this Bid Package.

Hoisting and Rigging: This Bid Package is responsible to provide all cranes, hoists, lift equipment and coordination to complete the erection, installation, and assembly of the Structural Steel, Misc. Metals, Metal Decking and related components associated with this Bid Package.

Attachment to Existing Structures: Where any new structural elements and other work of this Bid Package is indicated to be connected or joined to existing structures, this Bid Package is responsible for all modification to existing elements necessary to complete connections, and all bolts and fasteners necessary to complete the work of this bid package. Demolition of existing structure or improvements where indicated on drawings will be completed by Bid Package 02 and 03.

Shop Priming: This Bid Package is responsible to complete all shop priming of structural steel members and fabricated items provided under this Bid Package.

High Performance Coatings: This Bid Package is responsible to complete the surface preparation and prime coating of items designated to receive High Performance Coatings pursuant to section 099600 and the drawings. Finish Materials for section 099600 will be applied and completed by the painting contractor on site, after installation of all primed work by this Bid Package.

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Embeds and Attachments: This Bid Package is responsible to fabricate and provide all steel items to be embedded in, or cast in, concrete. This includes but is not limited to all anchor bolts for structural or fabricated steel items, base plates, embed plates for connection of steel beams, columns, and other framing members, ledger angles, brace frame plates, shear plates. Scope of this bid package includes fabrication, delivery to the jobsite, and placement at a staging location designated by the Construction Manager. There is limited lay down and storage space available on site. This Bid Package is responsible for deliveries as designated or scheduled by the Construction Manager. The Trade Contractor for Bid Package 04 Structural and Site Concrete is responsible for placement and setting of all embedded or cast in-place items.

Drag Reinforcing Bars: This Bid Package is responsible to complete welding of drag bars to beams. Bid Package 04 Structural and Site Concrete Trade Contractor is responsible to provide and cast into the concrete shear walls the drag reinforcing bars, see Increment 1 plans 6,7,19/S3.04.

Elevator Guide Rails: This Bid Package is responsible to complete the elevator guide rails, as per plans, specifications and details. Scope of this Bid Package includes completing engineering calculations necessary to satisfy requirements for the Deferred Submittal for the elevator guiderails. Engineering for the elevator guide rails shall be provided via a submittal separate from other submittals by this Bid Package.

ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) FLUID-APPLIED MEMBRANE AIR BARRIERS

AESS: This Bid Package is responsible to complete the fabrication and installation of all the

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Architecturally Exposed Structural Steel as shown on the drawings and described by the specifications for both Increment 1 and Increment 2. In addition to the members specifically noted on the plans, any Structural Steel component that is directly exposed to view, whether partial or complete, that is not completely covered by fireproofing, opaque fenestration, or cladding, shall be treated as AESS.

Surface Preparation: This Bid Package is responsible to complete the surface preparation and priming for AESS items as designated on the plans and specifications. Surface preparation includes but is not limited to grinding of welds, fill weld access holes and erection bolt holes, consistent alignment, orientation and length of bolts, removal and patching of any lifting tabs or temporary connections, etc. Finish coatings will be completed by the Bid Package 1 Trade Contractor.

General: As noted in the Specifications, the requirements of Division 05 Section “Structural Steel Framing” also apply to all AESS.

STEEL DECKING METAL WALL PANELS

Metal Decking: This Bid Package is responsible to complete all metal deck shown on the plans. This scope includes all decking and/or structural decking at Increment 1 second level floor, exterior decks, front low roof, main roof, exposed decking at Increment 2 Bridge, and elsewhere where shown on the drawings and as otherwise indicated by the specifications for both Increment 1 and Increment 2.

Installation and Attachment: This Bid Package is responsible to provide and install all materials necessary for a complete installation of the metal decking including all closure plates/closure angles, deck edge angles, Z closure plates, (both gauged, and ¼” or greater where required), angles for support of decking, reinforcing steel welded to decking or to closure plate, shear studs, beam shims, bent plates,

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Welding: This Bid Package is Responsible for all welding for metal decking and all items included in this Bid Package. This Bid Package shall provide it's own reliable source of power for welding associated with this Bid Package.

Metal Deck Openings: This Bid Package shall provide openings in the metal decking where other contractors require penetration of the decking to complete their scope or as indicated on the drawings. This Bid Package shall coordinate with said contractors for layout and shall provide and install any necessary reinforcing before cutting the deck.

METAL STAIRSRIBBED-METAL WALL PANELS

Metal Stairs: This Bid Package is responsible to complete the metal stairs including all steel members, stringers, treads, landings, closures, nosings, railings, cane detection railings, and other items necessary for a complete installation, as shown on the drawings and in the specifications for both Increment 1 and Increment 2.

Railings: This Bid Package is responsible to construct metal stairs and all related work of this Bid Package, including railings, according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

Tread Fill: Concrete fill and reinforcing for concrete fill is to be done by Bid Package 04 Trade Contractor. Any welding of reinforcing steel shown on drawings that connects to steel stair framing or other members is to be completed by this Bid Package.

PERFORATED METAL WALL PANELSMETAL FABRICATIONS

General: All applicable requirements of Division 5 apply to the scope of work of this Bid Package.

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and are included in the scope of work of this Bid Package. This Bid Package is responsible to complete all metal fabrications shown on the drawings and identified in the specifications, including those listed in Specification Section 055000.

Trash Enclosure Components: This Bid Package is responsible to complete the steel and miscellaneous metal components associated with the trash enclosure including roof structure, roof decking, tubular steel fence and gates, gate threshold, welded wire square mesh infill, and miscellaneous items necessary for a complete installation. Standing Seam roof, insulation, and dense deck by Bid Package 06.

Wire Mesh Panels: This Bid Package is responsible to complete all woven wire mesh panels, stainless steel wire mesh panels and associated frameworks and components for a complete installation.

Gates and Fencing: This Bid Package is responsible to complete maintenance access gates and fencing at stair 2 second floor, and at stair 3. Fabrication and installation includes all excavations, reinforcement, concrete, backfill, finish grading (around immediate area), mounting, trim, and gate hardware, but specifically excludes locking mechanisms and systems noted on the Door Hardware Schedule which shall be furnished and installed by Bid Package 01. This Bid Package shall provide all preparatory materials and work required for mounting of finish hardware.

Tie Back Posts: This Bid Package is responsible to complete the safety tie back posts where shown on the drawings and per detail 10/A9.30.

Ladders: This Bid Package is responsible to furnish and install all steel ladders and complete the ladder tie off per A5.01, Increment 1.

This Bid Package is responsible to complete the ¼” thick galvanized expansion joint covers per 16/A9.21B of increment 2, _____, _____ & _____.

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(Let's confirm if we want BP #01 to handle all these expansion joints complete with these cover plates, or have this BP 05 do them. Also see 3/A9.23B Inc. 2)

Countertop Supports: This Bid Package is responsible to provide fabricated steel countertop supports per 9,10,11/A9.90 increment 1, and elsewhere as shown on the drawings. Supports are to be delivered to the job site when scheduled by the Construction Manager, for installation by the Bid Package 01.

This Bid Package is responsible to complete the wall-mounted angles for window shades as shown on the drawings. (confirm for this BP or BP # 01)

Confirm canopy @ elevator entrance increment 2 by this BP or by BP 6 or BP1

Bridge Simulator Angle Supports: This Bid Package is responsible to provide the L3x3x1/4 for bridge simulator per 7/S7.10. To be provided F.O.B. job site for installation by others. Bridge simulator frames and base assemblies to be provided and installed by others.

Pipe Bollards: This Bid Package is responsible for all pipe bollards shown on the drawings. Bollards are to be provided to the jobsite when scheduled by the Construction Manager, and off loaded and placed by this Bid Package at storage location designated by the Construction Manager. Installation of bollards to be by Bid Package 04.

Misc. Metal Fabrication for Elevator: This Bid Package is responsible to complete the elevator pit items for Increment 2 including the ladder 1/A9.80B, embed plate & L5x5x3/8 sill 15/A9.80B, and the second level angle and bent plate per 13/A9.80B.

Equipment anchorage for mechanical equipment including drilling and bolting per plans to be provided by the respective TRADE CONTRACTORS of Bid Packages 10, 11, 12 and 13.

PIPE AND TUBE RAILINGS/COMPOSITE METAL WALL PANELS

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General: This Bid Package is responsible to complete all pipe and tube railings shown on the drawings and identified in the specifications.

General: This Bid Package is responsible to construct pipe and tube railings and all related work of this Bid Package according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

General: This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.

ORNAMENTAL METAL RAILINGS MODIFIED BUILT-UP ROOF SYSTEM

Ornamental Metal Railings: This Bid Package is responsible to provide all ornamental stainless steel metal railings shown on the drawings and identified in the specifications including all handrails, guardrails, posts, fittings, brackets, flanges, and all other items necessary for a complete installation.

This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.

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This Bid Package is responsible to construct ornamental metal railings and all related work of this Bid Package according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

This Bid Package is responsible to provide wood top rails where indicated on the drawings. (didn't see on plans – CONFIRM)

ILLUMINATED ORNAMENTAL RAILINGS SHEET METAL FLASHING AND TRIM

(Kind of confusing:

Found illuminated railings only on arch sheets of increment 2.

Increment 1 Fixture sched. Has EB-5 by HDI, Increment 2 has type BA by HD.

Spec section has different manufacturers listed.)

Illuminated Ornamental Railings: This Bid Package is responsible to provide all illuminated ornamental railings shown on the drawings and identified in the specifications including all handrails, guardrails, posts, fittings, brackets, flanges, lighting system components and all other items necessary for a complete installation.

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Electrical Connection: This Bid Package is responsible to fully coordinate with all elements of building construction, including bid package 13 (electrical, division 26) TRADE CONTRACTOR for routing of wiring, placement of transformer(s), and all hook-up connections to be by Bid Package 13. This Bid Package shall furnish and install the Illuminated Ornamental Railings with complete lighting components, including all fixtures, wiring integral to the railings, boxes, connections, etc. for hook-up by Bid Package 13 Electrical TRADE CONTRACTOR.

CABLE RAIL SYSTEMS ROOF ACCESSORIES

General: This Bid Package is responsible to provide all cable rail systems shown on the drawings and identified in the specifications, including all cable, fittings, components, and assemblies.

This Bid Package is responsible to construct cable rail systems and all related work of this Bid Package, including railings, according to requirements for accessibility per applicable codes and as shown on the drawings and specifications.

This Bid Package is responsible to provide full coordination with all other building elements, whether supplied by this Bid Package under this bid package, or provided by other TRADE CONTRACTORS.

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MISCELLANEOUS REQUIREMENTS

This Bid Package is responsible for all welding required for completion of the entire scope of work of this bid package.

This Bid Package is responsible for securement of the work of all items of this bid package to work or improvements completed by others, including all anchors necessary for attachment of the work of this bid package.

This Bid Package is responsible to provide all metal fabrication items as primed, primed for High Performance coatings, or galvanized, as indicated in the drawings and specifications.

Where items pertaining to this Bid Package scope of work for Bid Package 05 are indicated as “By Others”, it is the intent of the drawings and specifications the item of work is to be completed by This Bid Package, and this Bid Package is responsible to complete any items so labeled that apply to the category and scope of this bid package. Example: Increment 2 drawings, on detail 4/S.10B, the item “STEEL PL BY OTHERS” is to be completed by this Bid Package.

3. Contract Scope: This Bid Package (BP1112) Contract scope of work includes: all work required furnish and install all motor starters, heaters, control panels, shut off valves, regulators and any terminal device as required for a complete and operational HVAC system to furnish and install all on-site/off-site, as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections as illustrated in the Division of Work Dot Matrix 01-10-00. Coordinate with Electrical for location, connection and type.
4. HVAC Installations: HVAC Structural Supports & Bracing: Furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Mechanical drawings, or not specifically detailed but required. Mechanical attachments generically referred to on Architectural drawings shall be considered

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within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12” in length and provide approved splice after fireproofing is installed.

5. HVAC: This Bid Package (BP12) is responsible for any and all work shown on the Mechanical drawings and all related specifications, including certified air balance, as well as coordination with other Trade Contractors.

6. HVAC Curbs: Furnish and completely install factory curb systems.

7. Energy Management Systems (EMS) Control System: Furnish and install all low voltage control wiring, conduit, devices and other equipment required for a complete and operational EMS control system.

8. Fire Penetrations: All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements

Protection Covers: Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed.

Access Doors: This BP is responsible for all access doors and hatches required to complete this Bid Package’s scope of work.

Furnished By Others (FBO): Locate and install FBO duct detectors. Coordinate with Electrical for connection and type.

Miscellaneous Blocking: This bid package may be required to place blocking, this work may require coordination with other trades. It is the contractor’s responsibility to perform this coordination with other bid packages.

Exterior Galvanized Pipe: Galvanized piping to be provided at all exterior locations.

Black-out HVAC Equipment: Provide blackout painting on all ductwork visible through grills, registers and other openings.

Flashings and Waterproof Products: Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.

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Commissioning Schedule: Provide complete testing and commissioning schedule within 30 calendar days of Notice to Proceed.

D. GENERAL REQUIREMENTS AND PROVISIONS:

This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

1.

BUILDING INFORMATION MODELING

BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Refer to Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM) for specific scopes of work associated with each TRADE CONTRACTOR.

BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing, Fire Sprinkler and Structural related coordination issues per the Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM).

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

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1. Schedule: Refer to Construction Manager’s Bid Schedule and associated attachments for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

F. ALLOWANCES:

1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 012 21 00 .01 21 00.

The allowance shall be identified as an individual line item on the schedule of values.

The allowance shall not be used unless the CONTRACTOR receives formal written direction from the Owner and/or its Representative identifying additional work at which time the CONTRACTOR shall submit to the Owner for its consideration and approval or disapproval the cost associated with the work. Written notification clearly identifying the additional scope of work required from the CONTRACTOR and the agreed upon dollar amount associated with the work shall be approved by the Owner before such work is performed. The use of the allowance amount shall be at the sole discretion of the Owner.

The base bid shall include all contractor overhead and profit, bonds, and insurance associated with the allowance work/amount.

Any funds remaining in the Allowance at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.

This Bid Package shall be responsible for all of the General Scope of Work and Provisions required within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

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BIM Coordination: This Bid Package is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing, Fire Sprinkler and Structural related coordination issues per the Specification Section 01 31 13 – Project Coordination /Building Information Modeling (BIM).

SCHEDULING, SEQUENCING AND MOBILIZATIONS:

Schedule: Provide preparation and submission of a comprehensive Construction Progress Schedule for up to date maintenance or proposed modifications as required by the Division 0 and 1 of the Contract Documents Master Construction Schedule 01 32 13. Three Week Look Ahead schedule shall be submitted by noon the day prior to the scheduled Weekly Construction Manager & Contractor Progress Construction Meetings. Refer to **Exhibit XX – Construction Baseline Schedule and Attachments** for project duration and completion dates.

ALLOWANCES:

The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 012XXX.

The allowance shall be identified as an individual line item on the schedule of values.

The allowance shall not be used unless the CONTRACTOR receives formal written direction from the Owner and/or it's Representative identifying additional work at which time the CONTRACTOR shall submit to the Owner for its consideration and approval or disapproval the cost associated with the work. Written notification clearly identifying the additional scope of work required from the CONTRACTOR and the agreed upon dollar amount associated with the work shall be approved by the Owner before such work is performed. The use of the allowance amount shall be at the sole discretion of the Owner.

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The base bid shall include all contractor overhead and profit, bonds, and insurance associated with the allowance work/amount.

Any funds remaining in the Allowance at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.

END OF SECTION

9. _____

10. _____ Hours of Work: Contractor to comply with Legal Construction Hours per the City of Lawndale. Construction is prohibited on Sunday and national holidays. Except in emergency situations, construction is only permitted:

Monday – Friday, 7:00 a.m. – 7:00 p.m.

Saturday, 8:00 a.m. – 5:00 p.m.

11. _____ Deliveries: Drop off and pickup times of all equipment and material shall comply with the City of Hawthorne construction hours.

12. _____ Freight on Board: Freight on Board (FOB) items will be the responsibility of the installing Bid Package to off load and store.

13. _____ Truck Hours of Operation: Any and all trucks entering and/or exiting the construction site shall only be after the hours of 8:30am school days to avoid congesting W. El Segundo Ave.

14. _____ Owner Notifications: Provide notification to the Owner’s Representative and Construction Manager in a timely manner to facilitate all testing and inspection requirements and in accordance to

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Division 0 and 1 of the Contract Documents and the specific testing requirements of each section where they occur.

15. Request For Clarifications: Provide timely requests for clarifications and other information to allow reasonable response time and avoid delay to the construction schedule as described in Division 0 and 1.

16. Allowances: Provide an allowance in the base bid of this Contract to be used as directed by the Construction Manager as specified under Section 01 21 00. This allowance is in addition to the specific requirements of the scope of work. All unused portions of the allowance will be credited back to the Owner at the end of the Project via a credit change order. Allowances must be included as a separate line item on the schedule of values and may not be billed to the Owner unless prior written direction is given to the Trade Contractor by the Construction Manager.

17. Contractor Lay Down Area Approval: Location of material and lay down area, waste containers, temporary facilities and site coordination to be approved and coordinated by the Construction Manager, refer to **Exhibit 01 – Owner & Contractor Laydown Area Plan.**

18. Coordination & Layout: This Bid Package (BP1112) is responsible to provide all coordination and layout for the other Bid Packages and trades when components are scheduled to attach or are directly affected by the elements of work with in this Contract.

19. Contamination Caution: Provide equipment petroleum protection to avoid soil contamination. Any soil contamination made by this bid package shall be properly disposed of and replaced with approved soil at no additional cost to the Centinela Valley Union High School District and no impact to the schedule.

20. Waste Disposal: This Bid Package (BP1112) is responsible for all waste generated by this Bid Package and the proper disposal of all waste generated by this Bid Package.

21. Excess Material: Haul off excess materials to complete this scope of work.

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- 22. Daily Housekeeping: Continuous housekeeping and daily cleanup is mandatory for all Bid Packages. Contractor shall place construction debris in own debris boxes and remove debris from site at Contractor's own expense prior to the end of the work day or as directed by the Construction Manager. All debris boxes will be identified for this contracts use, and containers shall be kept free of graffiti at all times. Failure to perform this task daily, will cause the Owner to exercise its right to self perform work and direct the clean up by others at the expense of the Contractor.
- 23. Existing Conditions: This Bid Package (BP1112) is responsible to make a thorough inspection of the Project sites and on-site/off-site conditions. By submitting a bid, this Bid Package assumes full responsibility for existing conditions with respect to the intentions of the Documents and waives any additional compensation for work required by any visible or known current circumstance that is in conflict with the Documents. Any damage done to existing features or known utilities, in the course of work in this Bid Package, will be repaired by this Bid Package at no cost to the Owner.
- 24. Existing Site Conditions: The Contractor shall make a thorough examination of the site to determine all existing conditions affecting the work prior to beginning any work under this Bid Package.
- 25. Best Management Practice: This Bid Package (BP1112) shall include in their bid (not part of the allowance) all best management practices associated with work under this Bid Package. This includes, but is not limited to: providing concrete washout pits, dust control, and cleaning of streets due to trucking on or off the site, controlling water runoff into storm drains or offsite during concrete placement and clean-up operations and containment of all toxic material as required by law. Clean-up and dispose of all temporary washout pits, and other temporary facilities as required and legally dispose of all waste material. This Bid Package will pay all penalties or fines due to any violations issued to the Owner for this Bid Package's failure to meet requirements by the State or other Government agencies for non-compliance with the State or Federal Clean Water Act or other regulations.

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- 26. Anticipated Rain Delay Days: Refer to Division 01, Master Construction Schedule Specification Section 01-32-13.
- 27. Submittals & Shop Drawings: Provide all shop drawings and submittals so as not to cause delay to the construction schedule, this bid package, or any other bid package included in this Project.
- 28. Construction Meetings: This Bid Package (BP1112) is responsible for attending the Pre-Construction Meeting, Pre-Installation Meetings, BIM Modeling Meeting, Coordination Meetings, Safety Meetings and any other meetings scheduled by the Construction Manager. Contractor's Superintendent or Project Manager is required to attend weekly safety coordination meetings.
- 29. BIM Coordination: This Bid Package (BP1112) is required to provide a Building Information Model (BIM) for coordination purposes of their respective trade. Contractor will be required to participate in weekly coordination meetings and discuss and resolve Mechanical, Electrical, Low Voltage, Plumbing and Fire Sprinkler related coordination issues per the Specification Section 01-31-13 – Project Coordination /Building Information Modeling (BIM).
- 30. Schedule: Provide preparation and submission of a comprehensive Construction Progress Schedule for up-to-date maintenance or proposed modifications as required by the Division 0 and 1 of the Contract Documents Master Construction Schedule 01-32-13. Three Week Look Ahead schedule shall be submitted by noon the day prior to the scheduled Weekly Construction Manager & Contractor Progress Construction Meetings. Refer to **Exhibit 03 – Construction Baseline Schedule and Attachments** for project duration and completion dates.
- 31. Mobilization: This Bid Package (BP1112) is responsible for the mobilization and ALL necessary move-ins as required by the phasing and durational schedule in Division 0 and 1 to perform the

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work associated with this Bid Package. Construction Phasing Plan: Phase 1, Phase 2 and Phase 3 refer to **Exhibit 01 – Construction Phasing plan.**

- 32. **Tests and Inspections:** Except as set forth below, the District will pay for fees, costs and expenses to complete the initial tests/inspections of portions of the Work as required by law, code or regulation, provided that such tests/inspections are conducted and completed at a location within a one hundred (100) mile radius of the Site. The foregoing notwithstanding, if the portion(s) of the Work subject to tests/inspections is/are not ready for such test/inspection at the time indicated in the Contractor’s notice under Article 26 or if upon completion of such test/inspection, the portion(s) of the Work subject to such test/inspection do not meet or exceed the minimum requirements of such test/inspection, the Contractor shall be solely responsible for the payment of all fees, costs or expenses arising out of or related in any manner to subsequent tests/inspections of such portion(s) of the Work. Notwithstanding the District’s payment of fees, costs or expenses for conducting initial tests/inspections, if any actions or failures to act of the Contractor or person or entity providing or performing Work under the direction or control of the Contractor require tests/inspections to be conducted over a period of more than eight (8) hours per day by any single person or on weekends/holidays, the Contractor shall be solely responsible for the payment of fees, costs or expenses which result from test/inspection services which exceed eight (8) hours per day by any single person or on weekends/holidays. If any tests/inspections are conducted outside a one hundred (100) mile radius of the Site, the Contractor shall be solely responsible for all costs, fees or expenses to conduct and complete such tests/inspections conducted at such location, including without limitation, costs to complete such tests/inspections and travel, meal and related expenses.
- 33. **Scissor Lifts:** Contractor will not be allowed to use scissor lifts exceeding 1,000 pound gross weight on the second floor.

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- 34. HVAC Installations: Furnish and install all motor starters, heaters, control panels, shut off valves, regulators and any terminal device as required to complete this Bid Package’s scope of work. Coordinate with Electrical for location, connection and type.
- 35. HVAC Structural Supports & Bracing: Furnish and install all braces, brackets and support systems complete (including their attachment to the building structure) as required for this Bid Package scope of work, including structural and miscellaneous steel items when detailed only on the Mechanical drawings, or not specifically detailed but required. Mechanical attachments generically referred to on Architectural drawings shall be considered within the scope of this Bid Package. In areas of fireproofing, limit initial drops through decking to 12” in length and provide approved splice after fireproofing is installed. Coordinate with CM. If “Or Equal” equipment for specification sections 23-81-19 (roof top air conditioners) and section 23-81-26 (split system air conditioners) are submitted all must meet the design intent, and any related costs incurred including other bid packages to meet the design intent will be at no cost to the district.
- 36. HVAC: This Bid Package (BP11) is responsible for any and all work shown on the Mechanical drawings and all related specifications, including certified air balance, as well as coordination with other Trade Contractors.
- 37. HVAC Curbs: Furnish and completely install factory curb systems.
- 38. Energy Management Systems (EMS) Control System: Furnish and install all low voltage control wiring, conduit, devices and other equipment required for a complete and operational EMS control system.
- 39. Fire Penetrations: All penetrations through a fire rated assembly shall be properly fire stopped by the applicable TRADE CONTRACTOR whose work or assembly causes the penetration, be it by design or field condition, per specification requirements

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- 40. Protection Covers: Provide and install temporary sheet metal covers to provide protection to the building from weather from the time the curbs are installed to the time the units are set and sealed.
- 41. Access Doors: This BP is responsible for all access doors and hatches required to complete this Bid Package's scope of work.
- 42. Furnished By Others (FBO): Locate and install FBO duct detectors. Coordinate with Electrical for connection and type.
- 43. Miscellaneous Blocking: This bid package may be required to place blocking, this work may require coordination with other trades. It is the contractors responsibility to perform this coordination with other bid packages.
- 44. Exterior Galvanized Pipe: Galvanized piping to be provided at all exterior locations.
- 45. Black-out HVAC Equipment: Provide blackout painting on all ductwork visible through grills, registers and other openings.
- 46. Flashings and Waterproof Products: Provide all flashings, counter flashings, boots, pitch pockets, seals, platform covers, sealants, sleeves and fittings as required to install work of this Bid Package and provide a weather tight seal.
- 47. Commissioning Schedule: Provide complete testing and commissioning schedule within 30 calendar days of Notice to Proceed.
- 48. Punch List: Provide punch list repairs/corrections for this scope of work within thirty five (35) calendar days and will be held responsible for liquidated damages. Reference Front End Bid Document Article 59 and Article 62.

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~~C. CONTRACT METHOD:~~

- ~~1. The Governing Board intends to award the contract to the lowest responsive and responsible bidder. The lowest bid shall be the lowest base bid.~~
- ~~2. Construct the Work under a single lump sum contract and provide a schedule of values with a breakdown of costs for all items of work over 5 percent of the contract value.~~

~~D. CONTRACTOR USE OF PREMISES:~~

- ~~1. Contractor shall have use of the premises for the execution of the work.~~
- ~~2. Coordinate use of the premises under the direction of the Construction Manager.~~
- ~~3. Assume full responsibility for the protection and safekeeping of products under this Contract that are located and/or stored on the site.~~
- ~~4. Move any stored products under Contractor's control that interferes with the operations of the Owner and/or any other Bid Package that is on a separate contract.~~
- ~~5. Obtain and pay for the use of additional storage or work areas needed for operations.~~
- ~~6. Contractor shall assume all responsibility for parking his own and his subcontractor's vehicles at the Owner approved locations. Contractor shall direct all material deliveries to the designated construction entrances.~~
- ~~7. All Owner property is tobacco free, drug free, alcohol free, weapons free and graffiti free. Contractor shall enforce these rules to his crew, subcontractors and suppliers.~~

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- 8. Contractor will be required to maintain appropriate approvals for work on an occupied site. Refer to the General Conditions for requirements.
- 9. Contractor shall provide the name, telephone number and cellular phone number for the superintendent for their entire scope of work within 7 calendar days of the Notice to Proceed. This individual shall serve as the Contractor's representative.

END OF SECTION

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**BID PACKAGE 17
FENCING AND GATES**

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SUMMARY OF WORK

1.01 SUMMARY

As explained in Division 01 Section 01 10 10 of these specifications and the Notice Calling for Bids, work of the total Project is planned to be accomplished by dividing the total work among the various prime contracts, each of which is identified by a "Bid Package" number and title. The various prime Contractors are referred to herein as "TRADE CONTRACTORS" or "Contractors".

It is the responsibility of the individual Bidders to fully familiarize themselves with the entire Scope of Work Summary and all of the Contract Documents, as the individual Specifications interface throughout the Project and thus impact all TRADE CONTRACTORS. The Scope of Work Summary may not be inclusive of all work and therefore shall not limit those items that would regularly be required to execute the work.

TRADE CONTRACTORS are required to include all items listed within their respective Summary of Work regardless of duplication and/or discrepancy within the Contract Documents, Plans or Technical Specifications. In case of duplication between Scopes of Work between two or more Bid Packages, the Construction Manager, shall designate which Bid Package shall execute said scope of work, and a credit shall be provided for work required but not performed. In case of conflict between the Summary of Work and other Contract Documents, the Summary of Work shall govern.

1.02 SECTION INCLUDES

- A. Work Covered by Contract Documents

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- B. Basic Scope of Work Summary

- C. Specific Scope of Work Provisions

- D. General Scope of Work and Provisions

- E. Scheduling, Sequence of Work, and Mobilizations

- F. Allowances

A. WORK COVERED BY CONTRACT DOCUMENTS:

1. Work Included: The work to be performed by Contractor shall conform to the requirements of all of the Carl E. Gilbert TK-PK Classrooms & Early Learning Center Bid Documents, which include but may not be limited to: Division 00, Division 01 , Agreement, General Conditions and other Special Conditions, Supplementary Conditions, Technical Specifications, Drawings, Reference Documents and other related documents, addenda, and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plant and services necessary therefore and incidental thereto to complete the Project.

It is understood that Drawings and Specifications are documents which indicate the work and intent of the Project, and as such, the Drawings and Specifications do not necessarily indicate or describe all work required by code for the full performance and completion of work. This contract will be awarded on the basis of such documents with the understanding that the TRADE CONTRACTOR is to furnish and install all items required for the proper completion of this work, including those items that are required by code and those that are inferred by an experienced construction professionals in order to meet the intent of the design, without adjustment to the contract sum.

The following terms and corresponding definitions are utilized throughout the Scope of Work. All prospective bidders shall take note of the intended meaning of each term:

Demolish, "Completely remove and legally dispose of off-site."

Recycle, "Recovery of demolitions waste for the subsequent processing in preparation for reuse."

Salvage, "Carefully detach form existing construction, in a manner to prevent damage, and deliver to Owner."

Furnish "Delivered to the job site, marked or otherwise identified, assembled, ready for installation."

Install "Locate, lay out, temporarily shore or support, and erect to the completed and intended final use."

B. BASIC SCOPE OF WORK SUMMARY:

1. This Bid Packages Basic Scope of Work includes: all work required for a complete and **operational fencing and gate system, including but not limited to Decorative Metal Fences and Gates** as shown in the Contract Drawings and all associated sheets, elevations, and details, and the methods and in the Primary and Related Specification Sections.
2. This Bid Package Contract scope of work includes the complete furnish and installation of the following Primary Technical Specifications, to full and complete compliance, for the entire project:

- Primary Technical Specifications

- Division 0 (Bid Documents)

- Division 1

- 011000 – SUMMARY

- 012600 – CONTRACT MODIFICATION PROCEDURES

- 012900 – PAYMENT PROCEDURES

- 013100 – PROJECT MANAGEMENT AND COORDINATION

- 013200 – CONSTRUCTION PROGRESS DOCUMENTATION

- 013300 – SUBMITTAL PROCEDURES

- 014000 – QUALITY REQUIREMENTS

- 014200 – REFERENCES

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015000 – TEMPORARY FACILITIES AND CONTROLS

015639 – TEMPORARY TREE AND PLANT PROTECTION

015723 – TEMPORARY STORM WATER POLLUTION CONTROL

016000 – PRODUCT REQUIREMENTS

017300 – EXECUTION REQUIREMENTS

017419 – CONSTRUCTION WASTE MANAGEMENT

017700 – CLOSEOUT PROCEDURES

017823 – OPERATION AND MAINTENANCE MANUAL

017839 – PROJECT RECORD DOCUMENTS

017900 – DEMONSTRATION AND TRAINING

GEOTECHNICAL REPORT

323119 – DECORATIVE METAL FENCES AND GATES

3. This Bid Package Contract scope of work includes preparatory work and the furnish and installation of the following Related Technical Specifications, as it relates to this bid packages Basic Scope of Work

- Related Technical Specifications:
 - 031000 – CONCRETE FORMING AND ACCESORIES
 - 032000 – CONCRETE REINFORCING
 - 033000 – CAST-IN-PLACE CONCRETE
 - 087100 – DOOR HARDWARE

C. SPECIFIC SCOPE OF WORK PROVISIONS:

1. Decorative Tube Steel Fencing: This Bid Package is responsible for the modification to existing and supply and installation of new tube steel fencing and gates, including all excavations for footings, reinforcement, concrete and hardware.

D. GENERAL REQUIREMENTS AND PROVISIONS:

1. This Bid Package shall be responsible for all of the General Scope of Work and Provisions required

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within Specification Section 01101000. The General Scope of Work and Provisions are applicable to all Bid Packages as it relates to their specific scope of work, unless noted otherwise or identified within this Bid Packages Specific Summary of Work. In case of conflict between Specification 01101000 and this Section, the most stringent shall apply.

E. SCHEDULING, SEQUENCING AND MOBILIZATIONS:

1. Schedule: Refer to Construction Manager's Bid Schedule and associated attachments for project duration, phasing, general sequence of activities and completion dates. Each Prime Contractor is responsible for reviewing and submitting comments/input to the Bid Schedule and attending Baseline Schedule Review Meetings with all trades to develop and finalize the Baseline Schedule as well as provide Monthly Schedule Updates. Refer to Specification Section 01 32 13 – Master Construction Schedule for specific schedule requirements.

F. ALLOWANCES:

1. The CONTRACTOR shall include an Owner Controlled Allowance amount within the base bid of the contract equivalent to the amount specified in Specification Section 01 21 00.

END OF SECTION

SPECIFICATION SECTION 01 21 00

ALLOWANCES

1. GENERAL

1.1. RELATED DOCUMENTS AND PROVISION

Contractor shall review all Contract Documents for applicable provisions related to the provisions in this document, including without limitation:

- 1.1.1. General Conditions including without limitation, Contract Terms and Definitions;
- 1.1.2. Special Conditions;
- 1.1.3. Agreement; and
- 1.1.4. Bid Form.

1.2. SUMMARY

1.2.1. The District has established an ALLOWANCE for this project. The allowance amount is noted blow. Allowances for each Bid Package shall be included in the base bid amount and shall be inclusive of insurance, bond, and overhead/profit. Please note the conditions for the use of the ALLOWANCE as defined in this Specification Section.

<u>BID PACKAGE:</u>	<u>TRADE(S) DESCRIPTION:</u>	<u>LICENSE #:</u>	<u>Prequalification Requirement</u>	<u>ENGINEER'S ESTIMATE</u>	<u>OWNER'S ALLOWANCE</u>	<u>TOTAL BP ESTIMATE</u>
1	General Conditions, Finishes and Specialties	A or B	Yes	\$1,200,000	\$80,000	\$1,280,000
2 – Not in Bid	Demolition and Earthwork- Contract Awarded in previous bid	NA	No	NA	NA	NA
3	Structural Concrete, Site Concrete and Concrete Reinforcing	C-8 or B	No	\$1,500,000	\$50,000	\$1,550,000
4	Structural Steel and Misc. Metals	C-51	No	\$550,000	\$25,000	\$575,000
5	Gypsum Board and Plaster	C-9	No	\$1,100,000	\$50,000	\$1,150,000
6	Wood Framing	C-5 or B	No	\$1,500,000	\$50,000	\$1,550,000
7	Roofing and Sheet Metal	C-39 or C-43	Yes	\$1,800,000	\$50,000	\$1,850,000
8	Doors and Hardware	B or C-61(D28)	No	\$200,000	\$15,000	\$215,000
9	Window and Storefront	C-17	No	\$175,000	\$20,000	\$195,000

10	Casework	C-6	No	\$150,000	\$20,000	\$170,000
11	Site Utilities	B or C-36	Yes	\$550,000	\$50,000	\$550,000
12	Building Plumbing	C-36	Yes	\$475,000	\$20,000	\$495,000
13	HVAC	C-20	Yes	\$900,000	\$20,000	\$920,000
14	Electrical, Low Voltage and Fire Alarm	C-10	Yes	\$1,800,000	\$100,000	\$1,900,000
15	Landscape and Irrigation	C-27 or A	No	\$325,000	\$30,000	\$355,000
16	Base and Asphalt	C-12 or A	No	\$850,000	\$25,000	\$875,000
17	Metal gates and fencing	C-23	No	\$215,000	\$20,000	\$235,000
NA	Shade structure - CMAS Not in Bid	NA	NA	NA	NA	NA
NA	Play equipment - CMAS Not in Bid	NA	NA	NA	NA	NA

1.2.2. This Document includes administrative and procedural requirements governing Allowances.

1.2.3. Certain items may be specified in the Contract Documents or be directed by the DISTRICT and/or CONSTRUCTION MANAGER by use of Allowances.

1.3. ADMINISTRATIVE REQUIREMENTS

1.3.1. The Allowance shall be identified as an individual line item on the Schedule of Values and designated as Owner Allowance.

1.3.2. The Allowance shall not be used unless the TRADE CONTRACTOR receives formal written direction from the CONSTRUCTION MANAGER identifying the additional work at which time the TRADE CONTRACTOR shall submit to the CONSTRUCTION MANAGER/OWNER for its consideration and approval or disapproval the costs associated with the work. Alternatively, the TRADE CONTRACTOR may be directed to proceed on a Time and Materials basis, for which TRADE CONTRACTOR shall provide daily verification via daily material tickets and material invoices which shall be approved by the CONSTRUCTION MANAGER's Superintendent at the start and end of each T&M activity.

1.3.3. Approval of Allowance expenditures will require the typical Change Order Procedures as described in the General Conditions.

1.3.4. Any Allowance funds remaining at the completion of the Project shall remain unspent and allocated to the Owner via a deductive Change Order.

1.4. PAYMENT FOR ALLOWANCES

1.4.1. Contractor shall invoice for its costs for receiving and handling at Project Site, labor, installation, overhead and profit, and similar costs related to products and materials under Allowance in the identical structure as a Change Order.

END OF DOCUMENT

DOCUMENT 01 26 10

PROJECT DOCUMENTATION AND CONTRACT FORMS

1. GENERAL

1.1. RELATED DOCUMENTS AND PROVISIONS

Contractor shall review all Contract Documents for applicable provisions related to the provisions in this document, including without limitation:

- 1.1.1. General Conditions;
- 1.1.2. Special Conditions;
- 1.1.3. Submittals;
- 1.1.4. Construction Schedule; and
- 1.1.5. Technical Specifications.

2. REQUIREMENTS

2.1. The District, through its CONSTRUCTION MANAGER, has adopted the use of Procore for documentation control on this Project. TRADE CONTRACTORS shall utilize Procore and associated forms as indicated below. This requirement applies but is not limited to RFI's, Submittals, Meeting Minutes, Daily Reports, Payment Applications, etc., including the requirement that the Contractor and its Subcontractors, as indicated, utilize the software, internet and specific programs on this Project as indicated herein.

2.2. DISTRICT FORMS

All forms identified below shall utilize Procore templates for which each TRADE CONTRACTOR will be granted electronic access after award of contracts. TRADE CONTRACTOR must only utilize these forms, including the programs, processes and software indicated below.

2.2.1. Request for Information

Contractor shall comply with all applicable provisions in Contract Documents relating to Requests for Information. Contractor shall submit all of its Requests for Information using Procore.

2.2.2. Construction Directive

Contractor shall comply with all applicable provisions in Contract Documents relating to Changes in the Work. All Construction Directives shall be issued using Procore.

2.2.3. Price Request

Contractor shall comply with all applicable provisions in Contract Documents relating to Price Requests. All Price Requests shall be issued using District's Form uploaded to Procore.

2.2.4. Proposed Change Order

Contractor shall comply with all applicable provisions in Contract Documents relating to Changes in the Work. Contractor shall submit all of its Proposed Change Orders using District's Form (General Conditions) and uploaded to Procore.

2.2.5. Change Order

Contractor shall comply with applicable provisions in Contract Documents relating to Changes in the Work. All Change Orders shall be issued using District's Form/Procore.

2.3. CONTRACTOR SUBMITTALS

See Specification Section 01 33 00

END OF DOCUMENT

DOCUMENT 01 26 10

REQUESTS FOR INFORMATION – PROCEDURES

1. GENERAL

1.1. RELATED DOCUMENTS AND PROVISIONS

TRADE CONTRACTOR shall review all Contract Documents for applicable provisions related to the provisions in this document, including without limitation:

1.1.1. General Conditions; and

1.1.2. Special Conditions.

1.2. DESCRIPTION

This Document contains procedures to be followed by the TRADE CONTRACTOR to request Architect provide additional information necessary to clarify or amplify an item in the Contract Documents that TRADE CONTRACTOR thinks is not clearly shown or called for in the Drawings or Specifications or other portions of the Contract Documents, or to address issues that have arisen under field conditions.

1.3. PROCEDURES

1.3.1. Notification by TRADE CONTRACTOR:

1.3.1.1. Submit all requirements for clarification or additional information in writing to the CONSTRUCTION MANAGER via Procore on the Request for Information (RFI) form provided therein.

1.3.1.2. RFI's will automatically be numbered sequentially within Procore. It is each TRADE CONTRACTOR's responsibility to follow and reference the Project RFI numbering system as multiple TRADE CONTRACTORS will be submitting RFI's.

1.3.1.3. Any RFI shall reference all applicable Contract Document(s), including Specification section(s), detail(s), page number(s), drawing number(s), and sheet

number(s), etc. TRADE CONTRACTOR shall make suggestions and interpretations of the issue raised by each RFI . An RFI cannot modify the Contract Price, Contract Time, or the Contract Documents.

1.3.1.4.Limit each RFI to one subject.

1.3.1.5.Submit a RFI if one of the following conditions occurs:

1.3.1.5.1. TRADE CONTRACTOR discovers an unforeseen condition or circumstance that is not described in the Contract Documents.

1.3.1.5.2. TRADE CONTRACTOR discovers an apparent conflict or discrepancy between portions of the Contract Documents that appears to be inconsistent or is not reasonably inferred from the intent of the Contract Documents.

1.3.2. TRADE CONTRACTOR shall not:

1.3.2.1.Submit an RFI as a request for substitution.

1.3.2.2.Submit an RFI as a submittal.

1.3.2.3.Submit an RFI without first having thoroughly reviewed the Contract Documents

1.3.2.4.Submit an RFI in a manner that suggests that specific portions of the Contract Documents are assumed to be excluded or by taking an isolated portion of the Contract Documents in part rather than whole.

1.3.2.5.Submit an RFI in an untimely manner without proper coordination and scheduling of Work related trades.

1.3.2.6.If TRADE CONTRACTOR submits an RFI contrary to the above, Contractor shall pay the cost of any review, which cost shall be deducted from the Contract Price.

1.3.3. TRADE CONTRACTOR shall be liable to the District for all costs incurred by the District associated with the processing, reviewing, evaluating and responding to any RFI, including without limitation, fees of the Architect and any other design consultant to the Architect or the District, that District reasonably determines:

1.3.3.1.Does not reflect adequate or competent supervision or coordination by the TRADE CONTRACTOR or any SubTRADE CONTRACTOR; or

1.3.3.2. Does not reflect the TRADE CONTRACTOR's adequate or competent knowledge of the requirements of the Work or the Contract Documents;

1.3.3.3. Requests an interpretation or decision of a matter where the information sought is equally available to the TRADE CONTRACTOR; or

1.3.3.4. Is not justified for any other reason.

1.4. RESPONSE TIME

1.4.1. Architect shall review RFIs and issue a response and instructions to TRADE CONTRACTOR within a reasonable time frame.

1.1.1. Should TRADE CONTRACTOR proceed with the Work affected before receipt of a response from Architect, any portion of the Work which is not done in accordance with the Architect's ultimate interpretations, clarifications, instructions, or decisions is subject to removal or replacement at TRADE CONTRACTOR's sole expense and responsibility.

END OF DOCUMENT

DOCUMENT 01 32 13

MASTER CONSTRUCTION SCHEDULE

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Required procedures, preparation, submittals, reviews, updates, and revisions to the cost/schedule integrated construction schedule. The purpose of this section is to:
 - 1. Ensure adequate planning and execution of the Work by TRADE CONTRACTOR.
 - 2. Establish a standard against which satisfactory completion of the Project can be measured by OWNER.
 - 3. Assist CONSTRUCTION MANAGER in monitoring progress.
 - 4. Aid in assessing the impact of any changes to the Contract.
 - 5. Provide justification for progress payments.

1.02 RELATED REQUIREMENTS

- A. General Conditions.
- B. Special Conditions.
- C. Section 01 10 10-00 thru 01 10 00 -17: Summary of Work.
- D. Section 01 2900: Payment Procedures.
- E. Section 01 3100: Project Management and Coordination.
- F. Section 01 4000: Quality Requirements.
- G. Section 01 7000: Closeout Procedures.

1.03 DEFINITIONS

- A. Contract Time
 - 1. The Work performed by all TRADE CONTRACTORS, coordinated through CONSTRUCTION MANAGER shall reach Substantial Completion within the time specified in the Agreement Form. Moreover, TRADE CONTRACTORS, coordinated and in concert with each other, shall perform its Work in strict accordance with the Construction Manager's Bid Schedule in the Contract Documents inclusive of all Float and other Baseline inclusions as noted and as otherwise specifically noted in section 01 32 00.
- B. Development of a Baseline Schedule
 - 1. All TRADE CONTRACTORS shall perform Work for the Project based on timing and sequences required shown in section Construction Manager's Bid Schedule provided with the Contract Documents so Substantial Completion is reached within the Contract Time. A Baseline Schedule is developed by the CONSTRUCTION MANAGER based on the Milestone Schedule provided in the Contract Documents. The Baseline Schedule incorporates input on timing, sequence, and durations from all TRADE CONTRACTORS so Milestones and the date of Substantial Completion can be reached in the Contract Time

(including all Float and other Baseline inclusions as noted in Special Conditions Section 8). Once Baseline Schedule is developed and issued by CONSTRUCTION MANAGER, TRADE CONTRACTOR shall perform its Work in strict accordance with the Master Baseline Schedule to meet all Project Milestones.

2. Contract Time includes and incorporates all Float and other Baseline inclusions as noted and as otherwise specifically noted in Section 01 32 00.
3. TRADE CONTRACTORS Shall Provide Services for Entire Duration of the Project. TRADE CONTRACTORS shall provide services for the entire duration of the Project set forth in the Baseline Contract and shall include all time that may be added to the Project through Change Orders.

C. Notice to Proceed

1. District may give a NTP to commence work for the Project within ninety (90) days of the award of the bid by District. All TRADE CONTRACTORS will receive a copy of this NTP. TRADE CONTRACTORS are to immediately commence preparing Submittals and commence attendance at Preconstruction Meetings, BIM Meetings and any other required Coordination Meetings after receipt of the NTP. However, not all TRADE CONTRACTORS will immediately commence Work. TRADE CONTRACTOR shall schedule their work based on the CONSTRUCTION MANAGER prepared Baseline Schedule, which shall form the timing and basis for TRADE CONTRACTOR's Work. If there are areas of conflict or issues with how TRADE CONTRACTOR's comments were incorporated into Baseline Schedule, TRADE CONTRACTOR must provide written notice within ten (10) days following issuance of Baseline Schedule. Baseline Schedule determines the timing of Work for the entire Project for all TRADE CONTRACTORS and is prepared so all Milestones are met and all Work shall be completed in the Contract Time.

D. Computation of Time

1. The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

E. Float

1. *Float* is time the total number of days an activity may be extended or delayed without delaying the Completion Date shown in the schedule. Float will fall into three categories: (1) Rain Days; (2) Governmental Delays; and, (3) Project Float. Project Float and Rain Days are owned by the Project and may be utilized as necessary for critical path delays once the days become available for consumption (i.e. the Rain Day arrives and is not utilized since rain did not occur or Work was performed on the interior of a building). Float is applicable to Critical Activities for the entire Project and shall be applied to each TRADE CONTRACTOR based on the TRADE CONTRACTOR's sequence of Work in relation to the Baseline Schedule that is issued and occasionally updated by CM in Schedule Updates. However, Governmental Delay Float shall not be utilized for purposes other than to address critical path delays that arise due to approvals, Inspector approvals or verifications on governmental forms.
2. *Governmental Delay Float*. The Baseline Schedule may carry Governmental Delay Float as a float category allowance item to be consumed as necessary during the course of the Project at the CM's option.

TRADE CONTRACTOR's failure to establish a protocol for requesting inspections is not grounds to utilize Governmental Delay Float. 48 hours advance notice of commencing Work on a new area is required after submitting form DSA 156 and under PR 13-01 Special

Inspection reports are not required to be posted until at least 14 days after the Work was inspected. Failure to plan, and pay (if applicable) for quicker delivery of Special Inspections is not Governmental Delay Float. If Governmental Delay Float is not utilized, this float is carried through to other DSA 152 categories of inspection and consumed over the course of the Project

Governmental Delay Float may be utilized for a DSA Stop Work Order regardless of fault as defined under Education Code Section 17307.5(b).

3. *Inclement Weather (Rain Days)*. Time extensions for unusually severe weather if it results in precipitation or other conditions which in the amount, frequency, or duration is in excess of the norm at the location and time of year in question as established by NOAA weather data. The Bid Schedule includes 30 calendar days allotted for in the inclement weather carried at the end of the schedule as Rain Float. Float for weather days in other geographical regions shall be adjusted based on NOAA weather data for the geographical location. As part of TRADE CONTRACTOR's Baseline Schedule, TRADE CONTRACTOR has anticipated all the days it takes as part of TRADE CONTRACTOR's Scope of Work to dry out and re-prepare areas that may be affected by weather delays which extend beyond the actual weather days. The weather days that occur during the course of the Project that affect TRADE CONTRACTOR that are not used will become float for the Project's use. TRADE CONTRACTOR weather delays during TRADE CONTRACTOR Scope of Work will not be allowed on a day-for-day weather delay for periods noted as float in the Schedule. TRADE CONTRACTOR is expected to work seven (7) days per week (if necessary, irrespective of inclement weather), to maintain access, and to protect the Work under construction from the effects of inclement weather. Additional days beyond the NOAA shall be considered under the same criteria that weather days are granted below.

A Rain Day shall be granted if the weather prevents a critical activity when requested by the TRADE CONTRACTOR from beginning Work at the usual daily starting time, or prevents the TRADE CONTRACTOR from proceeding with seventy-five (75%) of the normal labor and equipment force towards completion of the day's current controlling item on the accepted schedule for a period of at least five hours, and the crew is dismissed as a result thereof, the Architect will designate such time as unavoidable delay and grant one (1) critical path activity calendar-day extension if there is no available float for the calendar year.

- a. The Baseline Schedule may carry Rain Float as a float category allowance item to be consumed as necessary during the course of the Project at the CM's option.
4. *Project Float*. The TRADE CONTRACTOR (or CM) may determine some activities require a lesser duration than allocated and may set aside float in the Project Schedule. There shall be no early completion. Instead, to the extent float is either addressed at the end of the Project or throughout each category of critical path work, Project Float may be used as necessary during the course of the Project and allocated on a first, come first serve basis. However, the use of float does not extend to Governmental Delay Float, which shall only be used for Governmental Delays.

1.04 HOURS OF WORK

A. Sufficient Forces

1. TRADE CONTRACTORS shall continuously furnish sufficient forces to ensure the prosecution of the Work in accordance with the Baseline and Updated Schedules for the Project.

B. Performance During Working Hours

1. Work shall be performed during regular working hours as permitted by the appropriate governmental agency except that in the event of an emergency, or when required to complete the Work in accordance with job progress, Work may be performed outside of regular working hours with the advance written consent of the District and approval of any required governmental agencies.

C. Costs for After Hours Inspections

1. If the Work done after hours is required by the Contract Documents, a TRADE CONTRACTOR Recovery Schedule, or as a result of the TRADE CONTRACTOR's failure to plan, and inspection must be conducted outside the Inspector's regular working hours, the costs of any after hour inspections, shall be borne by the TRADE CONTRACTOR.
2. If the District allows TRADE CONTRACTOR to do Work outside regular working hours for the TRADE CONTRACTOR's convenience, the costs of any inspections required outside regular working hours shall be addressed through a Deductive Change Order shall be issued from the next Progress Payment.
3. If TRADE CONTRACTOR elects to perform Work outside the Inspector's regular working hours, costs of any inspections required outside regular working hours shall be invoiced to TRADE CONTRACTOR by the District and a Deductive Change Order.

1.05 PROGRESS AND COMPLETION

A. Time of the Essence

1. Time limits stated in the Baseline Schedule and the Milestones and Contract Time submitted with Contract Documents are of the essence to the Contract. By executing the Agreement, the TRADE CONTRACTOR confirms that the Contract Time and Milestones are a reasonable period for performing the Work.

B. CONSTRUCTION MANAGERS Baseline Schedule Requirements

1. *Timing:* Within 5 (five) calendar days after NTP, TRADE CONTRACTOR shall submit comments/input on the CONSTRUCTION MANAGERS Baseline Schedule regarding the sequencing of activities and durations for completion of TRADE CONTRACTORS categories of work.
2. *CONSTRUCTION MANAGER Baseline Schedule Review Meeting.* This first schedule which outlines the CONSTRUCTION MANAGERS view of the practical way in which the Work will be accomplished is the CONSTRUCTION MANAGERS Baseline Schedule. After initial comments are received from the TRADE CONTRACTORS a MANDATORY Baseline Schedule Review meeting will be held with all TRADE CONTRACTORS to review the following:
 - a. Review of Durations for work activities in the Baseline Schedule.
 - b. Coordination with other TRADE CONTRACTORS. Where interface is required with other TRADE CONTRACTORS.
 - c. Issues with Baseline Schedule must be addressed in writing by TRADE CONTRACTOR identifying the issue, duration, conflict, or other problem with the Baseline Schedule within five (5) days after NTP. The issues will be

addressed at the meeting and each Baseline Schedule review meeting until a Final Baseline Schedule for the entire Project is established.

3. *District Review and Approval:* The CONSTRUCTION MANAGER will review all comments and input provided by TRADE CONTRACTORS at Baseline Schedule Review Meeting in accordance with the Milestone schedule and overall Baseline Schedule.
 - a. District Acceptance of TRADE CONTRACTORS Review. All comments/input provided by TRADE CONTRACTOR will be reviewed by the CONSTRUCTION MANAGER but the submission of comments does not guarantee the incorporation of TRADE CONTRACTORS comments into the Baseline Schedule. Final sequencing, logic ties, durations and Critical Path of the Baseline Schedule will be determined by the CONSTRUCTION MANAGER.
4. *Schedule Must Be Within the Given Contract Time.* The Baseline Schedule shall not add durations that cause the Contract Time to be exceeded, shall not exceed time limits set forth in the Contract Documents and shall comply with all of the scheduling requirements as set forth in the Specifications.
5. *Submittals Must Be Incorporated:* TRADE CONTRACTOR shall include Submittals as line items in the Baseline Schedule. Submittals shall not delay the Work, Milestones, or the Completion Date. Failure to include Submittals in the Baseline Schedule shall be deemed a material breach by the TRADE CONTRACTOR.
6. *Float Must Be Incorporated:* The schedule must indicate the beginning and completion of all phases of construction and shall use the “Critical Path Method” (commonly called CPM) for the value reporting, planning and scheduling, of all Work required under the Contract Documents. Baseline Schedule must incorporate all Milestones in Outline Schedule. The Baseline Schedule shall incorporate the Milestone Schedule provided as part of the Contract Documents and shall note durations that will not be adequate or should be shortened based on TRADE CONTRACTOR's Review. These changes shall be identified, reviewed with other TRADE CONTRACTOR reviews and incorporated into CM's Baseline Schedule for the Project. CM's Baseline Schedule is critical to CM Coordination, Sequencing of Trades, and to ensure monitoring of the progress of each TRADE CONTRACTOR's Work.
7. *No Early Completion.* TRADE CONTRACTOR shall not submit a TRADE CONTRACTOR Baseline Schedule showing early completion without indicating float time through the date set for Project completion by District. TRADE CONTRACTOR's schedule shall account for all days past early completion as float which belongs to the Project. Usage of float shall not entitle TRADE CONTRACTOR to any delay claim or damages due to delay.
8. *Use of Milestone Schedule Provided in Bid Documents.* The Bid will include a Milestone Schedule providing anticipated durations and sequences that incorporates key Milestones along with general timing for the Project that incorporates float and other Baseline inclusions as noted in section 1.03 B.1. The preliminary Milestone Schedule is not intended to serve as the Baseline Schedule utilized for construction. It is up to the TRADE CONTRACTOR to study, participate and assist in developing a Baseline Schedule to address the actual durations and sequences of Work that is anticipated while maintaining the Milestones provided by the District. Contract shall obtain information from TRADE CONTRACTOR's SUBTRADE CONTRACTORS and vendors on the planning, progress, delivery of equipment, coordination, and timing of availability of

SUBTRADE CONTRACTORS so a practical plan of Work is fully developed and represented in the Baseline Schedule.

9. Upon completion of the Baseline Schedule the CONSTRUCTION MANAGER will issue the Baseline Schedule to all TRADE CONTRACTORS for their acceptance. Upon review TRADE CONTRACTOR is to submit to the *Exhibit A* to the CONSTRUCTION MANAGER stating that they have reviewed and accept the Baseline Schedule. *TRADE CONTRACTOR Failure to Submit Exhibit A accepting the CONSTRUCTION MANAGERS Baseline Schedule* is a material breach of the Contract and grounds for Termination. However, CM, in its sole discretion, may require TRADE CONTRACTOR's written consent to the Baseline Schedule prepared from other TRADE CONTRACTOR information utilized to build the Baseline Schedule as a whole.
10. *Incorrect Logic, Durations, Sequences, or Critical Path.* The CM may reject or indicate durations, sequences, critical path or logic in TRADE CONTRACTOR comments on CM Baseline Schedule as not acceptable and request changes. TRADE CONTRACTOR is to diligently review and resubmit the comments to represent the TRADE CONTRACTOR's plan to complete the Work and maintain Milestones at the next progress meeting, or before the next progress meeting. If TRADE CONTRACTOR is not able to provide comments that are acceptable to the CM and District, the CM and District reserve the right to build an acceptable Baseline Schedule from the information received.
11. *TRADE CONTRACTOR Responsibility for Schedules Even if Schedule Issues Are Not Discovered.* Failure on the part of the District to discover errors or omissions in schedules submitted shall not be construed to be an approval of the error or omission and a flawed schedule is not grounds for a time extension.
12. *Failure to include Mandatory Schedule Items.* District may withhold payment for failure to include Mandatory Schedule Items. In lieu of withholding payment for failure to include Mandatory Schedule Items, after the CM has notified the TRADE CONTRACTOR of failure to meet the Baseline Schedule or Updated Schedule requirements and the TRADE CONTRACTOR fails to correct the noted deficiencies or the TRADE CONTRACTOR does not provide an updated schedule correcting the deficiencies, then TRADE CONTRACTOR is deemed to have agreed to the durations and sequences set forth in the Outline Schedule and the CM created Baseline Schedule and Schedule Updates. In addition, TRADE CONTRACTOR shall waive any consequential or delay damages or disruption damages for failure to prepare an approved TRADE CONTRACTOR's Baseline Schedule, or representation of the logical sequence and durations of TRADE CONTRACTOR's Work and, thus, impacts, coordination and delays have not been articulated and are not available as grounds to evaluate impacts to the TRADE CONTRACTOR's anticipated Work for the Project. TRADE CONTRACTOR shall not be granted an extension of time for failure to obtain necessary items and approvals and for the time required for failure to comply with laws, building codes, and other regulations (including Title 24 of the California Code of Regulations). TRADE CONTRACTOR shall maintain all items required under schedule items in the Baseline Schedule and shall be deemed responsible for delivery of the TRADE CONTRACTOR Scope of Work as outlined in the Baseline Schedule and any Schedule updates. If the Contract Time is exceeded, then TRADE CONTRACTOR shall be subject to the assessment of Liquidated Damages.
13. *Failure to Meet Requirements.* Failure of the TRADE CONTRACTOR to provide proper TRADE CONTRACTOR Baseline Schedules or TRADE CONTRACTOR Schedule updates as required by this section is a material breach of the Contract and grounds for Termination. The District, at its sole discretion, may choose, instead, to withhold, in whole or in part, any Progress Payments or Retention amounts otherwise payable to the TRADE CONTRACTOR.

C. Update Schedules

1. *Updates Shall Be Based on Approved Baseline Schedule.* The Baseline Schedule shall be used to build future schedule updates. Schedule Updates shall be a CPM based schedule consistent with the Baseline Schedule requirements.

In the case no Baseline Schedule has been approved, Schedule updates shall be provided monthly and each update shall incorporate all comments and revisions noted as not complying with the requirements. TRADE CONTRACTOR shall be held to the section 013213 1.05 B.13 unapproved Baseline Schedule, inclusive of all Milestones, adjusted for comments and all required Baseline Schedule Inclusions.

2. *Schedule Updates.* CONSTRUCTION MANAGER shall update the Baseline Schedule each month to address actual start dates and durations, the percent complete on activities, actual completion dates, estimated remaining duration for the Work in progress, estimated start dates for Work scheduled to start at future times and changes in duration of Work items
3. *Listing of Items Causing Delays.* Schedule Updates shall be provided by the CONSTRUCTION MANAGER and include a listing of activities which are causing delay in the progress of Work and a narrative shall be provided showing a description of problem areas, anticipated delays, responsible TRADE CONTRACTORS and impacts on the latest approved Baseline Schedule.
4. *Recovery Schedule.* If TRADE CONTRACTOR is in receipt of a schedule update listing TRADE CONTRACTORS activities as in delay TRADE CONTRACTOR shall take the steps necessary to improve TRADE CONTRACTOR's progress and demonstrate to the District and Architect that the TRADE CONTRACTOR has seriously considered how the lost time, the Completion Date, or the Milestones that are required will be met within the terms of the Contract. TRADE CONTRACTOR shall immediately provide a Recovery Schedule showing how Milestones and the Completion Date will be met. In no case, shall a Recovery Schedule be provided later than ten (10) days following the request for a Recovery Schedule from the Architect or District.
 - a. Failure to Provide a Recovery Schedule. Failure shall subject TRADE CONTRACTOR to the assessment of Liquidated Damages for failure to meet the Contract Time. Refusal or failure to provide a Recovery Schedule shall be considered a substantial failure of performance and a material breach of Contract and may result in Termination of the Contract.
 - b. Recovery Schedule Acceleration without Additional Cost. The District may require TRADE CONTRACTOR prepare a Recovery Schedule showing how the Project shall be accelerated, without any additional cost to the District. The District may order, without additional cost, the following:
 - i. Increase the number of shifts
 - ii. Utilize overtime to recover the schedule
 - iii. Increase the days when Work occurs, including weekends, at the Project and at any manufacturer's plant.
 - c. Recovery Schedule Acceleration without Additional Cost. If TRADE CONTRACTOR Disputes that the Recovery Schedule acceleration shall be issued without additional costs, the TRADE CONTRACTOR shall submit concurrent with Recovery Schedule Acceleration notice.

1.06 EXTENSIONS OF TIME - LIQUIDATED DAMAGES

A. Liquidated Damages

TRADE CONTRACTOR AND DISTRICT HEREBY AGREE THAT THE EXACT AMOUNT OF DAMAGES FOR FAILURE TO COMPLETE THE WORK WITHIN THE TIME SPECIFIED IS EXTREMELY DIFFICULT OR IMPOSSIBLE TO DETERMINE. IF THE WORK IS NOT SUBSTANTIALLY COMPLETED IN THE TIME SET FORTH IN THE AGREEMENT, IT IS UNDERSTOOD THAT THE DISTRICT WILL SUFFER DAMAGES. IT BEING IMPRACTICAL AND UNFEASIBLE TO DETERMINE THE AMOUNT OF ACTUAL DAMAGE, IT IS AGREED THE TRADE CONTRACTOR SHALL PAY TO THE DISTRICT THE AMOUNT LIQUIDATED DAMAGES SET FORTH IN THE AGREEMENT, FOR EACH CALENDAR DAY OF DELAY IN REACHING SUBSTANTIAL COMPLETION. ANY LIQUIDATED DAMAGES RECOVERED BY THE DISTRICT SHALL NOT, HOWEVER, LIMIT THE DISTRICT'S RIGHT TO SEPARATELY RECOVER ANY ACTUAL OUT-OF-POCKET DAMAGES IT SUFFERS DUE TO TRADE CONTRACTOR'S DELAY. TRADE CONTRACTOR AND HIS SURETY SHALL BE LIABLE FOR THE AMOUNT THEREOF PURSUANT TO GOVERNMENT CODE SECTION 53069.85.

B. Delay

1. Except and only to the extent provided under this section, by signing the Agreement, TRADE CONTRACTOR agrees to bear the risk of delays to completion of the Work; and that TRADE CONTRACTOR's bid for the Contract was made with full knowledge of this risk.
2. In agreeing to bear the risk of delays to complete the Work, TRADE CONTRACTOR understands that, except and only to the extent provided otherwise in this section, the occurrence of events that delay the Work shall not excuse TRADE CONTRACTOR from its obligation to achieve Completion of the Project within the Contract Time, and shall not entitle the TRADE CONTRACTOR to an adjustment to the Contract time.

C. Excusable Delay

TRADE CONTRACTOR shall not be charged for Liquidated Damages because of any delays in completion of Work which are not the fault or negligence of TRADE CONTRACTOR or its SUBTRADE CONTRACTORS, arising from Rain Float or Project Float, including acts of God, as defined in Public Contract Code Section 7105, acts of enemy, epidemics and quarantine restrictions. TRADE CONTRACTOR shall within five (5) calendar days of beginning of any such delay notify District in writing of causes of delay; thereupon District shall ascertain the facts and extent of delay and grant extension of time for completing Work when, in its judgment, the findings of fact justify such an extension. Extensions of time shall apply only to that portion of Work affected by delay, and shall not apply to other portions of Work not so affected. An extension of time may only be granted after proper compliance with section 1.05 requiring preparation and submission of a properly prepared CPM schedule.

1. *Excusable Delay Is Not Compensable.* No extended overhead, general conditions costs, impact costs, out-of-sequence costs or any other type of compensation, by any name or characterization, shall be paid to the TRADE CONTRACTOR for any delay to any activity not designated as a critical path item on the latest approved Project schedule.
2. *Notification.* TRADE CONTRACTOR shall notify the Architect in writing of any anticipated delay and its cause, in order that the Architect may take immediate steps to prevent, if possible, the occurrence or continuance of delay, and may determine whether the delay is to be considered avoidable or unavoidable, how long it continues, and to what extent the prosecution and completion of the Work might be delayed thereby.

3. *Extension Request.* In the event the TRADE CONTRACTOR requests an extension of Contract time for unavoidable delay, such request shall be submitted in accordance with the provisions in the Contract Documents governing changes in Work. When requesting time, i.e., extensions, for proposed Change Orders, they must be submitted with the proposed Change Order with full justification and documentation. If the TRADE CONTRACTOR fails to submit justification with the proposed Change Order it waives its right to a time extension at a later date. Such justification must be based on the official Contract schedule as updated at the time of occurrence of the delay or execution of Work related to any changes to the scope of Work. Blanket or general claims for extra days without specific detailed information as required herein or a blanket or general reservation of rights do not fulfill the requirements of this Article and shall be denied. The justification must include, but is not limited to, the following information:
 - a. The duration of the activity relating to the changes in the Work and the resources (manpower, equipment, material, etc.) required to perform these activities within the stated duration.
 - b. Logical ties to the official Baseline Schedule or Approved Updated Schedule for the proposed changes and/or delay showing the activity/activities in the schedule whose start or completion dates are affected by the change and/or delay. (A fragment of any delay of over ten (10) days must be provided.)

TRADE CONTRACTOR and District understand and expressly agree that insofar as Public Contract Code Section 7102 may apply to changes in the Work or delays under this Contract, the actual delays and damages, if any, and time extensions are intended to, and shall provide, the exclusive and full method of compensation for changes in the Work and construction delays.

D. Notice by TRADE CONTRACTOR Required

TRADE CONTRACTOR shall within five (5) calendar days of beginning of any delay on the Project shall notify the District in writing of causes of delay with justification and supporting documentation. In the case of a Recovery Schedule pursuant to section 01 3213-1.06.F, TRADE CONTRACTOR shall submit written notice concurrent with the Recovery Schedule. District will then ascertain the facts and extent of the delay and grant an extension of time for completing the Work when, in its judgment, the findings of fact justify such an extension. Extensions of time shall apply only to that portion of the Work affected by the delay and shall not apply to other portions of the Work not so affected.

Claims relating to time extensions shall be made in accordance with applicable provisions of the Contract Documents.

1. *Adjustment for Compensable Delays.* The Schedule may be adjusted for a delay if, and only if, TRADE CONTRACTOR undertakes the following:
 - a. TRADE CONTRACTOR submits a timely COR or CO pursuant to the requirements of the Contract Documents.
 - b. TRADE CONTRACTOR submits a fragnet showing the critical path delay caused by the COR, CO, Changed Condition, CCD, or ICD
 - c. TRADE CONTRACTOR has addressed all required float days in the fragnet.
 - d. TRADE CONTRACTOR submits a complete breakdown of all costs incurred.

E. No Additional Compensation for Coordinating Governmental Submittals and the Resulting Work

TRADE CONTRACTOR HAS PLANNED ITS WORK AHEAD OF TIME AND IS AWARE THAT GOVERNMENTAL AGENCIES, SUCH AS THE GAS COMPANIES, ELECTRICAL UTILITY COMPANIES, WATER DISTRICTS AND OTHER AGENCIES MAY HAVE TO APPROVE TRADE CONTRACTOR PREPARED DRAWINGS OR APPROVE A PROPOSED INSTALLATION. TRADE CONTRACTOR HAS INCLUDED DELAYS AND DAMAGES WHICH MAY BE CAUSED BY SUCH AGENCIES IN TRADE CONTRACTOR'S BID AND HAS INCLUDED ADEQUATE TIME IN THE TRADE CONTRACTOR'S BASELINE SCHEDULE. FAILURE TO ADEQUATELY PLAN AND SCHEDULE IS NOT A BASIS TO USE GOVERNMENTAL DELAY FLOAT.

F. District Right to Accelerate the Work

The District may direct the TRADE CONTRACTOR to meet schedule requirements when the Work has been delayed. The District shall compensate the TRADE CONTRACTOR for the additional costs incurred by acceleration to the extent that such costs are directly attributable to the acceleration and are incurred through no fault or negligence of the TRADE CONTRACTOR.

1. *Management of Acceleration.* TRADE CONTRACTOR acceleration shall not include Work that is part of the scope of Work detailed in the Plans and Specifications. Instead, the acceleration costs shall be premium or overtime and quantifiable additional work added to the Project meant to accelerate the Project. TRADE CONTRACTOR is directed to keep consistent crews on the Project so time can be tracked. If crews are circulated off the Project or crews brought in only for overtime, the District may be charged for Contract Work and not accelerated time. In such case, the District may object to the costs submitted.
2. *Costs for Acceleration.* Cost for Acceleration shall be supported by backup documentation, and time sheets signed by the Inspector for each day work has been performed, at or near the time when the Work was performed. A listing on the time sheet shall document all labor, materials and services utilized that day and provide areas of work, and amount of work performed. TRADE CONTRACTOR shall comply with submission requirements of the Contract Documents.

DOCUMENT 01 32 13

Exhibit A – Acceptance of Baseline Schedule

I _____ representing _____ have received and reviewed the Baseline Schedule for Leuzinger HS Athletic Fields and facilities Modernization project and agree with the sequencing, logic and durations shown in the schedule.

Signature: _____

Title: _____

Date: _____

SPECIFICATOIN SECTION 01 33 00-A

SUBMITTALS

1. GENERAL

1.1. RELATED DOCUMENTS AND PROVISION

This Specification Section is in addition to Technical Specification Section 01 33 00 – Submittals.

TRADE CONTRACTOR shall review all Contract Documents for applicable provisions related to the provisions in this document, including without limitation:

1.1.1. General Conditions;

1.1.2. Special Conditions;

1.1.3. Instructions to Bidders;

1.1.4. Summary of Work;

1.1.5. Contract Forms and Submittals; and

1.1.6. Product Options and Substitutions.

1.2. DOCUMENT INCLUDES

1.2.1. Submittal procedures

1.2.2. Shop drawings.

1.2.3. Procore Electronic Submittal Process

- 1.2.4. Product data.
- 1.2.5. Samples.
- 1.2.6. Manufacturers' Instructions.
- 1.2.7. Manufacturers' Certificates.
- 1.2.8. Mock-Up.
- 1.2.9. Deferred approval requirements.
- 1.3. SUBMITTAL PROCEDURES
 - 1.3.1. TRADE CONTRACTOR SHALL UTILIZE PROCORE FOR THE SUBMITTAL PROCESS. .
 - 1.3.2. TRADE CONTRACTOR shall transmit each submittal in conformance with requirements of this Document. For each submittal, TRADE CONTRACTOR shall:
 - 1.3.2.1. Sequentially number the transmittal forms. Resubmitted submittals must have the original number with an alphabetic suffix;
 - 1.3.2.2. Identify Project and Architect's project number, TRADE CONTRACTOR, SubTRADE CONTRACTOR or supplier; pertinent Drawing sheet and detail number(s), and specification Section number, as appropriate;
 - 1.3.2.3. Apply TRADE CONTRACTOR's stamp, signed or initialed certifying that review, verification of Products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the Work and Contract Documents. Submittals without TRADE CONTRACTOR's stamp and signature will be returned without review.
 - 1.3.3. Coordinate preparation and processing of submittals with performance of Work. Transmit each submittal sufficiently in advance of performance of Work to avoid delay.

- 1.3.3.1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
- 1.3.3.2. Coordinate transmittal of different types of submittals for related parts of Work so processing will not be delayed because of the need to review submittals concurrently for coordination.
- 1.3.3.3. Architect reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.
- 1.3.4. Comply with Contract Documents for list of submittals and time requirements for scheduled performance of Work.
- 1.3.5. No extension of Contract Time will be authorized because of failure to transmit submittals to the Architect sufficiently in advance of the Work to permit processing.
- 1.3.6. Identify variations from Contract Documents and Product or system limitations which may be detrimental to successful performance of the completed Work.
- 1.3.7. Provide space for TRADE CONTRACTOR and Architect review stamps.
- 1.3.8. Revise and resubmit submittals as required, identify all changes made since previous submittal.
- 1.3.9. Distribute copies of reviewed submittals to concerned parties. Instruct parties to promptly report any inability to comply with provisions.
- 1.3.10. Submittals not requested will not be recognized or processed. Submittals not requested will be returned without review.
- 1.4. SHOP DRAWINGS
 - 1.4.1. Do not reproduce Contract Documents or copy standard information as the basis of shop drawings. Standard information prepared without specific reference to the Project is not a shop drawing.
 - 1.4.2. Do not use or allow others to use Shop Drawings which have been submitted and have been rejected.

1.5. PROCORE ELECTRONIC SUBMITTAL PROCESS

1.5.1. Submittal Procedure for Large Format shop drawings.

1.5.1.1. TRADE CONTRACTOR shall provide six (6) paper copies of the large format Shop Drawings directly to the District and the Construction Manager (CM) and TRADE CONTRACTOR will upload/post an electronic transmittal (with a detailed description of the submittal including the subject, specification number and number of drawings) on Procore.

1.5.1.2. TRADE CONTRACTOR shall verify that the Schedule of Submittals and all submittal log(s) on Procore are accurate and up to date.

1.5.1.3. The District and Architect will review and markup each Submittal and provide changes to TRADE CONTRACTOR for TRADE CONTRACTOR's incorporation into the Submittal.

1.5.1.4. This process will continue until the TRADE CONTRACTOR has provided a Submittal that is acceptable to the District and the Architect.

1.5.1.5. Once a Submittal is accepted, the District will provide a final accepted Submittal to the TRADE CONTRACTOR and the TRADE CONTRACTOR will closeout that one Submittal.

1.5.1.6. TRADE CONTRACTOR shall send one (1) copy of the completed record submittal of the large format documents to a vendor (Ford Graphics is suggested) for scanning and posting on Procore.

1.5.2. Product Data, Calculations and Small Format Drawings

1.5.2.1. TRADE CONTRACTOR shall upload/post one (1) electronic copy (from manufacturer's website or pre-scanned) of the product literature, data, calculations, and/or small format shop drawings to Procore with a Transmittal (with a detailed description of the submittal) directly to Procore.

1.5.2.2. The District and Architect will review and markup each Submittal and provide changes to TRADE CONTRACTOR for TRADE CONTRACTOR's incorporation into the Submittal.

1.5.2.3. This process will continue until the TRADE CONTRACTOR has provided a Submittal that is acceptable to the District and the Architect.

1.5.2.4. Once a Submittal is accepted, the District will provide a final accepted Submittal to the TRADE CONTRACTOR and the TRADE CONTRACTOR will closeout that one Submittal.

1.5.2.5. TRADE CONTRACTOR shall send one (1) copy of the completed record submittal of the large format documents to a vendor (Ford Graphics is suggested) for scanning and posting on Procore.

1.5.3. Sample Submittal Procedure – (Product / Assembly Samples)

1.5.3.1. TRADE CONTRACTOR shall provide four (4) physical samples directly to the District and the CM and TRADE CONTRACTOR will upload/post an electronic transmittal (with a detailed description of the submittal including the subject, specification number and number of drawings) on Procore.

1.5.3.2. The District and Architect will review and markup each Submittal and provide changes to TRADE CONTRACTOR for TRADE CONTRACTOR's incorporation into the Submittal.

1.5.3.3. This process will continue until the TRADE CONTRACTOR has provided a Submittal that is acceptable to the District and the Architect.

1.5.3.4. Once a Submittal is accepted, the District will provide a final accepted Submittal to the TRADE CONTRACTOR and the TRADE CONTRACTOR will closeout that one Submittal.

1.5.3.5. TRADE CONTRACTOR shall send one (1) copy of the completed record submittal of the large format documents to a vendor (Ford Graphics is suggested) for scanning and posting on Procore.

1.6. PRODUCT DATA

1.6.1. In addition to the above requirements, mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information unique to this Project.

1.6.2. After review, distribute in accordance with the above provisions and provide copies for Record Documents described in Document 01700 - Contract Closeout.

1.7. SAMPLES

- 1.7.1. In addition to the above requirements, submit samples to illustrate functional and aesthetic characteristics of the Product in accordance with this Document, with integral parts and attachment devices. Coordinate sample submittals for interfacing work.
- 1.7.2. Where specific colors or patterns are not indicated, provide materials and products specified in the full range of color, texture and pattern for selection by District. Range shall include standard stocked color/texture/pattern, standard color/texture/pattern not stocked, but available from manufacturer, and special color/ texture/pattern available from manufacturer as advertised in product data and brochures. Unless otherwise indicated in individual specification sections, District may select from any range at no additional cost to District.
- 1.7.3. Include identification on each sample, with full Project information.
- 1.7.4. Submit the number of samples that TRADE CONTRACTOR requires, plus one that will be retained by Architect and one by District.
- 1.7.5. Reviewed samples which may be used in the Work are indicated in individual specification Sections.

1.8. MANUFACTURER'S INSTRUCTION

- 1.8.1. When specified in individual specification Sections, submit manufacturers' printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, in quantities specified for Product Data.
- 1.8.2. Identify conflicts between manufacturers' instructions and Contract Documents.

1.9. MANUFACTURER'S CERTIFICATES

- 1.9.1. When specified in individual specification Sections, submit manufacturers' certificate to Architect for review, in quantities specified for Product Data.
- 1.9.2. Indicate material or Product conforms to or exceeds specified requirements. Submit supporting reference date, affidavits, and certifications as appropriate.

1.9.3. Certificates may be recent or previous test results on material or Product, but must be acceptable to District.

1.10. MOCK-UP

1.10.1. Where indicated, provide mock-ups as required. Mock-ups shall be prepared per the specifications and shall accurately and reasonably represent the quality of construction the TRADE CONTRACTOR will provide. If the mock-up or portions thereof do not adequately represent the quality of the work specified, the TRADE CONTRACTOR shall modify the mock-up as needed.

1.10.2. Once completed to the District's satisfaction, the mock-up shall serve as the standard of quality for the work.

1.10.3. All mock-ups, at District's option, shall remain the property of the District. If not required by the District, TRADE CONTRACTOR shall remove and dispose of the mock-up.

1.10.4. Where indicated, on-site mock-ups, if accepted, may be integrated into the Work.

1.11. DEFERRED APPROVAL REQUIREMENTS

1.11.1. Installation of deferred approval items shall not be started until detailed plans, specifications, and engineering calculations have been accepted and signed by the Architect or Engineer in general responsible charge of design and signed by a California registered Architect or professional engineer who has been delegated responsibility covering the work shown on a particular plan or specification and approved by the Division of the State Architect (DSA). Deferred approval items for this Project are as indicated in the Summary of Work, Document 01010.

1.11.2. Deferred approval drawings and specifications become part of the approved documents for the Project when they are submitted to and approved by the Division of the State Architect.

1.11.3. Submit material using electronic submittal process as defined above.

1.11.4. Identify and specify all supports, fasteners, spacing, penetrations, etc., for each of the deferred approval items, including calculations for each and all fasteners.

- 1.11.5. Submit documents to Architect for review prior to forwarding to the DSA.
- 1.11.6. Documents shall bear the stamp and signature of the Structural, Mechanical, or Electrical Engineer licensed in the State of California who is responsible for the work shown on the documents.
- 1.11.7. Architect and its subconsultants will review the documents only for conformance with design concept shown on the documents. The Architect will then forward the Submittal to DSA for approval.
- 1.11.8. TRADE CONTRACTOR shall respond to review comments made by DSA and revise and resubmit submittal to the Architect for re-submittal to DSA for final approval.

END OF DOCUMENT

Activity ID	Activity Name	Orig Dur	Start	Finish	2024												2025																																															
					July			August			September			October			November			December			January			February			March			April			May			June			July			August			September																	
					23	30	07	14	21	28	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10
Gilbert ES					284	01-Jul-24	13-Aug-25																																																									
A1000	Notice to Proceed	0	01-Jul-24		◆ Notice to Proceed																																																											
A1030	Adverse Weather Allowance	20	13-Jun-25	14-Jul-25																																																												
A1010	Project Substantial Completion	0		14-Jul-25	◆ Project Substantial Completion																																																											
A1040	Project Punch & Closeout	22	14-Jul-25	13-Aug-25																																																												
A1020	Project Final Completion	0		13-Aug-25*	◆ Project Final Completion																																																											
Submittals, Approvals, Procurements					72	01-Jul-24	10-Oct-24																																																									
Division 03 - Concrete					32	01-Jul-24	14-Aug-24																																																									
Cast-In-Place Concrete					32	01-Jul-24	14-Aug-24																																																									
SUBM-033	Submittal: Cast-In-Place Concrete	17	01-Jul-24	24-Jul-24																																																												
APPR-032	Approval: Cast-In-Place Concrete	10	25-Jul-24	07-Aug-24																																																												
PROC-033	Procurement: Cast-In-Place Concrete	5	08-Aug-24	14-Aug-24																																																												
Division 06 - Wood and Plastics					31	01-Jul-24	13-Aug-24																																																									
Rough Carpentry					31	01-Jul-24	13-Aug-24																																																									
SUBM-061	Submittal: Rough Carpentry	12	01-Jul-24	17-Jul-24																																																												
APPR-063	Approval: Rough Carpentry	10	18-Jul-24	31-Jul-24																																																												
PROC-063	Procurement: Rough Carpentry	9	01-Aug-24	13-Aug-24																																																												
Division 07 - Thermal and Moisture Protection					55	01-Jul-24	17-Sep-24																																																									
Roofing					45	01-Jul-24	02-Sep-24																																																									
SUBM-074	Submittal: Roofing	15	01-Jul-24	22-Jul-24																																																												
APPR-072	Approval: Roofing	5	23-Jul-24	29-Jul-24																																																												
PROC-073	Procurement: Roofing	25	30-Jul-24	02-Sep-24																																																												
Insulation					36	01-Jul-24	20-Aug-24																																																									
SUBM-076	Submittal: Insulation	15	01-Jul-24	22-Jul-24																																																												
APPR-072	Approval: Insulation	10	23-Jul-24	05-Aug-24																																																												
PROC-073	Procurement: Insulation	11	06-Aug-24	20-Aug-24																																																												
Sealants and Caulking					55	01-Jul-24	17-Sep-24																																																									
SUBM-079	Submittal: Sealants and Caulking	35	01-Jul-24	19-Aug-24																																																												
APPR-073	Approval: Sealants and Caulking	10	20-Aug-24	02-Sep-24																																																												
PROC-073	Procurement: Sealants and Caulking	10	03-Sep-24	17-Sep-24																																																												
Division 08 - Doors and Windows					72	01-Jul-24	10-Oct-24																																																									
Hollow Metal Doors and Frames					43	01-Jul-24	29-Aug-24																																																									
SUBM-081	Submittal: Hollow Metal Doors and Frames	12	01-Jul-24	17-Jul-24																																																												
APPR-083	Approval: Hollow Metal Doors and Frames	10	18-Jul-24	31-Jul-24																																																												
PROC-083	Procurement: Hollow Metal Doors and Frames	20	01-Aug-24	28-Aug-24																																																												
DELL-0837	Delivery: Building Hollow Metal Doors and Frames	1	29-Aug-24	29-Aug-24																																																												
Aluminum Window Framing					35	01-Jul-24	19-Aug-24																																																									
SUBM-084	Submittal: Aluminum Window Frames	9	01-Jul-24	12-Jul-24																																																												
APPR-083	Approval: Aluminum Window Frames	5	15-Jul-24	19-Jul-24																																																												
PROC-083	Procurement: Aluminum Window Frames	20	22-Jul-24	16-Aug-24																																																												
PROC-083	Delivery Aluminum Window Frames	1	19-Aug-24	19-Aug-24																																																												
Door Hardware					72	01-Jul-24	10-Oct-24																																																									
SUBM-087	Submittal: Door Hardware	26	01-Jul-24	06-Aug-24																																																												
APPR-083	Approval: Door Hardware	10	07-Aug-24	20-Aug-24																																																												
PROC-083	Procurement: Door Hardware	35	21-Aug-24	09-Oct-24																																																												

Remaining Level of Effort ◆ ◆ Milestone
 Actual Level of Effort
 Actual Work
 Remaining Work
 Critical Remaining Work

Buena Park Unified School District
Carl E. Gilbert Elementary School
Tk-PK Classroom & Early Learning Classroom Building
 Page# 1 of 9 **Proposed Schedule** Run Date 05-Jul-24



Activity ID	Activity Name	Orig Dur	Start	Finish	2024												2025																																															
					July			August			September			October			November			December			January			February			March			April			May			June			July			August			September																	
					23	30	07	14	21	28	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10
DELI-0837	Delivery: Door Hardware	1	10-Oct-24	10-Oct-24	I Delivery: Door Hardware																																																											
Glazing		41	01-Jul-24	27-Aug-24																																																												
SUBM-088	Submittal: Glazing	25	01-Jul-24	05-Aug-24	Submittal: Glazing																																																											
APPR-083	Approval: Glazing	5	06-Aug-24	12-Aug-24	Approval: Glazing																																																											
PROC-083	Procurement: Glazing	10	13-Aug-24	26-Aug-24	Procurement: Glazing																																																											
DELI-0838	Delivery: Glazing	1	27-Aug-24	27-Aug-24	I Delivery: Glazing																																																											
Division 09 - Finishes		66	01-Jul-24	02-Oct-24																																																												
Gypsum Wallboard		45	01-Jul-24	02-Sep-24																																																												
SUBM-092	Submittal: Gypsum Wallboard	25	01-Jul-24	05-Aug-24	Submittal: Gypsum Wallboard																																																											
APPR-093	Approval: Gypsum Wallboard	10	06-Aug-24	19-Aug-24	Approval: Gypsum Wallboard																																																											
PROC-093	Procurement: Gypsum Wallboard	10	20-Aug-24	02-Sep-24	Procurement: Gypsum Wallboard																																																											
Acoustical Ceilings		57	01-Jul-24	19-Sep-24																																																												
SUBM-095	Submittal: Acoustical Ceilings	32	01-Jul-24	14-Aug-24	Submittal: Acoustical Ceilings																																																											
APPR-093	Approval: Acoustical Ceilings	10	15-Aug-24	28-Aug-24	Approval: Acoustical Ceilings																																																											
PROC-093	Procurement: Acoustical Ceilings	15	29-Aug-24	19-Sep-24	Procurement: Acoustical Ceilings																																																											
Painting		54	01-Jul-24	16-Sep-24																																																												
SUBM-096	Submittal: Painting	20	01-Jul-24	29-Jul-24	Submittal: Painting																																																											
APPR-093	Approval: Painting	10	30-Jul-24	12-Aug-24	Approval: Painting																																																											
PROC-093	Procurement: Painting	23	13-Aug-24	13-Sep-24	Procurement: Painting																																																											
DELI-0937	Delivery: Painting	1	16-Sep-24	16-Sep-24	I Delivery: Painting																																																											
Ceramic Tile		51	01-Jul-24	11-Sep-24																																																												
SUBM-093	Submittal: Ceramic Tile	15	01-Jul-24	22-Jul-24	Submittal: Ceramic Tile																																																											
APPR-093	Approval: Ceramic Tile	10	23-Jul-24	05-Aug-24	Approval: Ceramic Tile																																																											
PROC-093	Procurement: Ceramic Tile	25	06-Aug-24	10-Sep-24	Procurement: Ceramic Tile																																																											
DELI-0937	Delivery: Ceramic Tile	1	11-Sep-24	11-Sep-24	I Delivery: Ceramic Tile																																																											
Floorcoverings		66	01-Jul-24	02-Oct-24																																																												
SUBM-334	Submittal: Floorcoverings	15	01-Jul-24	22-Jul-24	Submittal: Floorcoverings																																																											
APPR-333	Approval: Floorcoverings	10	23-Jul-24	05-Aug-24	Approval: Floorcoverings																																																											
PROC-333	Procurement: Floorcoverings	40	06-Aug-24	01-Oct-24	Procurement: Floorcoverings																																																											
DELI-3339	Delivery: Building Carpet	1	02-Oct-24	02-Oct-24	I Delivery: Building Carpet																																																											
DELI-3339	Delivery: Building Vinyl	1	02-Oct-24	02-Oct-24	I Delivery: Building Vinyl																																																											
DELI-3339	Delivery: Base	1	02-Oct-24	02-Oct-24	I Delivery: Base																																																											
Division 10 - Specialties		66	01-Jul-24	02-Oct-24																																																												
Solid Plastic Toilet Compartments		61	01-Jul-24	25-Sep-24																																																												
SUBM-101	Submittal: Solid Plastic Toilet Compartments	20	01-Jul-24	29-Jul-24	Submittal: Solid Plastic Toilet Compartments																																																											
APPR-103	Approval: Solid Plastic Toilet Compartments	10	30-Jul-24	12-Aug-24	Approval: Solid Plastic Toilet Compartments																																																											
PROC-103	Procurement: Solid Plastic Toilet Compartments	30	13-Aug-24	24-Sep-24	Procurement: Solid Plastic Toilet Compartments																																																											
DELI-1037	Delivery: Finley Building Toilet Compartments	1	25-Sep-24	25-Sep-24	I Delivery: Finley Building Toilet Compartments																																																											
Signage		65	01-Jul-24	01-Oct-24																																																												
SUBM-104	Submittal: Signage	20	01-Jul-24	29-Jul-24	Submittal: Signage																																																											
APPR-103	Approval: Signage	10	30-Jul-24	12-Aug-24	Approval: Signage																																																											
PROC-103	Procurement: Signage	35	13-Aug-24	01-Oct-24	Procurement: Signage																																																											
Toilet Accessories		66	01-Jul-24	02-Oct-24																																																												
SUBM-108	Submittal: Toilet Accessories	25	01-Jul-24	05-Aug-24	Submittal: Toilet Accessories																																																											
APPR-103	Approval: Toilet Accessories	10	06-Aug-24	19-Aug-24	Approval: Toilet Accessories																																																											
PROC-103	Procurement: Toilet Accessories	30	20-Aug-24	01-Oct-24	Procurement: Toilet Accessories																																																											

Remaining Level of Effort ◆ ◆ Milestone
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Buena Park Unified School District
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 Page# 2 of 9 **Proposed Schedule** Run Date 05-Jul-24



Activity ID	Activity Name	Orig Dur	Start	Finish	2024												2025																																															
					July			August			September			October			November			December			January			February			March			April			May			June			July			August			September																	
					23	30	07	14	21	28	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10
DELI-1037	Delivery: Building Toilet Accessories	1	02-Oct-24	02-Oct-24	Delivery: Building Toilet Accessories																																																											
Division 22 Plumbing																																																																
Plumbing Fixtures																																																																
SUBM-224	Submittal: Plumbing Fixtures	20	01-Jul-24	29-Jul-24	Submittal: Plumbing Fixtures																																																											
APPR-223	Approval: Plumbing Fixtures	10	30-Jul-24	12-Aug-24	Approval: Plumbing Fixtures																																																											
PROC-223	Procurement: Plumbing Fixtures	20	13-Aug-24	10-Sep-24	Procurement: Plumbing Fixtures																																																											
Plumbing																																																																
SUBM-221	Submittal: Plumbing	10	01-Jul-24	15-Jul-24	Submittal: Plumbing																																																											
APPR-223	Approval: Plumbing	10	16-Jul-24	29-Jul-24	Approval: Plumbing																																																											
PROC-223	Procurement: Plumbing	14	30-Jul-24	16-Aug-24	Procurement: Plumbing																																																											
Division 23- Mechanical																																																																
Common Work Results for HVAC																																																																
SUBM-230	Submittal: Common Work Results for HVAC	7	01-Jul-24	10-Jul-24	Submittal: Common Work Results for HVAC																																																											
APPR-232	Approval: Common Work Results for HVAC	5	11-Jul-24	17-Jul-24	Approval: Common Work Results for HVAC																																																											
PROC-233	Procurement: Common Work Results for HVAC	20	18-Jul-24	14-Aug-24	Procurement: Common Work Results for HVAC																																																											
Heating, Ventilating Air Conditioning Equipment																																																																
SUBM-230	Submittal: Heating, Ventilating Air Conditioning Equipment	15	01-Jul-24	22-Jul-24	Submittal: Heating, Ventilating Air Conditioning Equipment																																																											
APPR-233	Approval: Heating, Ventilating Air Conditioning Equipment	5	23-Jul-24	29-Jul-24	Approval: Heating, Ventilating Air Conditioning Equipment																																																											
PROC-233	Procurement: Heating, Ventilating Air Conditioning Equipment	50	30-Jul-24	08-Oct-24	Procurement: Heating, Ventilating Air Conditioning Equipment																																																											
DELI-2331	Delivery: Finley Heating Air Conditioning Equipment	1	09-Oct-24	09-Oct-24	Delivery: Finley Heating Air Conditioning Equipment																																																											
Division 26- Electrical																																																																
Common Work Results for Electrical																																																																
SUBM-260	Submittal: Common Work Results for Electrical	10	01-Jul-24	15-Jul-24	Submittal: Common Work Results for Electrical																																																											
APPR-262	Approval: Common Work Results for Electrical	10	16-Jul-24	29-Jul-24	Approval: Common Work Results for Electrical																																																											
PROC-263	Procurement: Common Work Results for Electrical	7	30-Jul-24	07-Aug-24	Procurement: Common Work Results for Electrical																																																											
Low-Voltage Wiring																																																																
SUBM-260	Submittal: Low-Voltage Wiring	12	01-Jul-24	17-Jul-24	Submittal: Low-Voltage Wiring																																																											
APPR-262	Approval: Low-Voltage Wiring	10	18-Jul-24	31-Jul-24	Approval: Low-Voltage Wiring																																																											
PROC-263	Procurement: Low-Voltage Wiring	15	01-Aug-24	21-Aug-24	Procurement: Low-Voltage Wiring																																																											
Raceways, Boxes, Fittings and Supports																																																																
SUBM-260	Submittal: Raceways, Boxes, Fittings and Support	5	01-Jul-24	08-Jul-24	Submittal: Raceways, Boxes, Fittings and Support																																																											
APPR-263	Approval: Raceways, Boxes, Fittings and Support	5	09-Jul-24	15-Jul-24	Approval: Raceways, Boxes, Fittings and Support																																																											
PROC-263	Procurement: Raceways, Boxes, Fittings and Support	7	16-Jul-24	24-Jul-24	Procurement: Raceways, Boxes, Fittings and Support																																																											
DELI-2636	Delivery: Building Raceways, Boxes, Fittings	1	25-Jul-24	25-Jul-24	Delivery: Building Raceways, Boxes, Fittings																																																											
Light Fixtures																																																																
SUBM-334	Submittal: Light Fixtures	20	01-Jul-24	29-Jul-24	Submittal: Light Fixtures																																																											
APPR-333	Approval: Light Fixtures	5	30-Jul-24	05-Aug-24	Approval: Light Fixtures																																																											
PROC-333	Procurement: Light Fixtures	30	06-Aug-24	17-Sep-24	Procurement: Light Fixtures																																																											
DELI-3338	Delivery: Building Light Fixtures	1	18-Sep-24	18-Sep-24	Delivery: Building Light Fixtures																																																											
Structured Cabling																																																																
SUBM-334	Submittal: Structured Cabling	15	01-Jul-24	22-Jul-24	Submittal: Structured Cabling																																																											
APPR-333	Approval: Structured Cabling	5	23-Jul-24	29-Jul-24	Approval: Structured Cabling																																																											
PROC-333	Procurement: Structured Cabling	20	30-Jul-24	26-Aug-24	Procurement: Structured Cabling																																																											
DELI-3338	Delivery: Structured Cabling	1	27-Aug-24	27-Aug-24	Delivery: Structured Cabling																																																											
Division 27																																																																

Remaining Level of Effort ◆ ◆ Milestone
 Actual Level of Effort
 Actual Work
 Remaining Work
 Critical Remaining Work

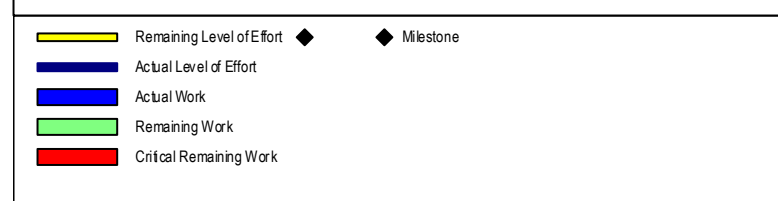
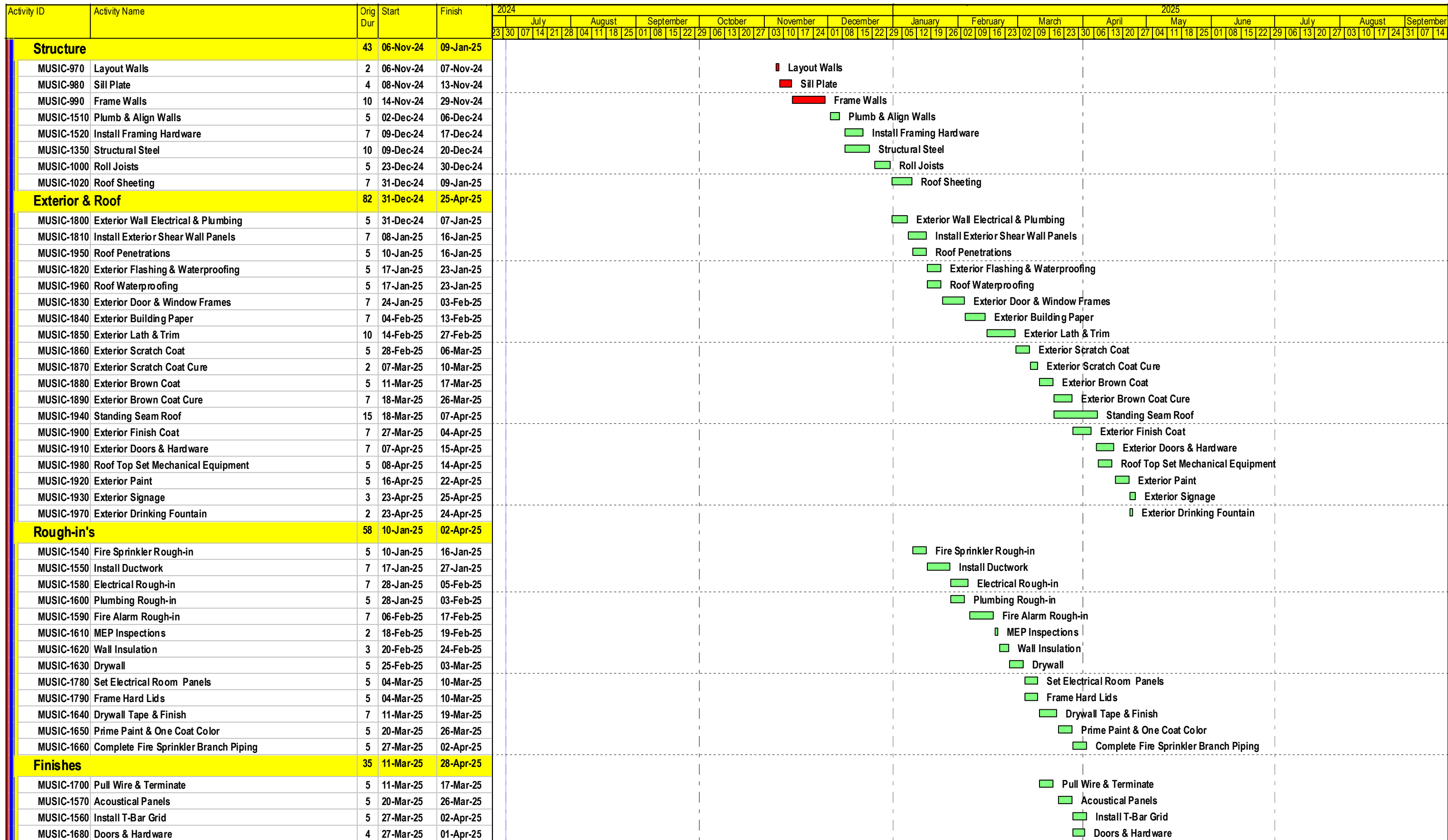
Buena Park Unified School District
Carl E. Gilbert Elementary School
Tk-PK Classroom & Early Learning Classroom Building
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Activity ID	Activity Name	Orig Dur	Start	Finish	2024												2025																																															
					July			August			September			October			November			December			January			February			March			April			May			June			July			August			September																	
					23	30	07	14	21	28	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10
Assistive Listening System		52	01-Jul-24	12-Sep-24																																																												
SUBM-275	Submittal: Assistive Listening System	21	01-Jul-24	30-Jul-24	Submittal: Assistive Listening System																																																											
APPR-273	Approval: Assistive Listening System	10	31-Jul-24	13-Aug-24	Approval: Assistive Listening System																																																											
PROC-273	Procurement: Assistive Listening System	20	14-Aug-24	11-Sep-24	Procurement: Assistive Listening System																																																											
PROC-273	Delivery: Assistive Listening System	1	12-Sep-24	12-Sep-24	Delivery: Assistive Listening System																																																											
Division #28		58	01-Jul-24	20-Sep-24																																																												
Fire Detection and Alarm		58	01-Jul-24	20-Sep-24																																																												
SUBM-283	Submittal: Fire Detection and Alarm	22	01-Jul-24	31-Jul-24	Submittal: Fire Detection and Alarm																																																											
APPR-283	Approval: Fire Detection and Alarm	10	01-Aug-24	14-Aug-24	Approval: Fire Detection and Alarm																																																											
PROC-283	Procurement: Fire Detection and Alarm	25	15-Aug-24	19-Sep-24	Procurement: Fire Detection and Alarm																																																											
DELI-2836	Delivery: Building Fire Alarm	1	20-Sep-24	20-Sep-24	Delivery: Building Fire Alarm																																																											
Division 32 - Site Work		46	01-Jul-24	03-Sep-24																																																												
Site Concrete Work		31	01-Jul-24	13-Aug-24																																																												
SUBM-321	Submittal: Site Concrete Work	10	01-Jul-24	15-Jul-24	Submittal: Site Concrete Work																																																											
SUBM-322	Approval: Site Concrete Work	16	16-Jul-24	06-Aug-24	Approval: Site Concrete Work																																																											
SUBM-322	Procurement: Site Concrete Work	5	07-Aug-24	13-Aug-24	Procurement: Site Concrete Work																																																											
Pavement Markings		41	01-Jul-24	27-Aug-24																																																												
SUBM-321	Submittal: Pavement Markings	15	01-Jul-24	22-Jul-24	Submittal: Pavement Markings																																																											
APPR-323	Approval: Pavement Markings	16	23-Jul-24	13-Aug-24	Approval: Pavement Markings																																																											
PROC-323	Procurement: Pavement Markings	10	14-Aug-24	27-Aug-24	Procurement: Pavement Markings																																																											
Asphalt Paving		46	01-Jul-24	03-Sep-24																																																												
SUBM-321	Submittal: Asphalt Paving	20	01-Jul-24	29-Jul-24	Submittal: Asphalt Paving																																																											
APPR-323	Approval: Asphalt Paving	16	30-Jul-24	20-Aug-24	Approval: Asphalt Paving																																																											
PROC-323	Procurement: Asphalt Paving	10	21-Aug-24	03-Sep-24	Procurement: Asphalt Paving																																																											
Foundations & Slab		90	01-Jul-24	05-Nov-24																																																												
MUSIC-1010	Mobilization & Project Set-up	10	01-Jul-24	15-Jul-24	Mobilization & Project Set-up																																																											
MUSIC-960	Overexcavate & Recompact	12	22-Jul-24*	06-Aug-24	Overexcavate & Recompact																																																											
MUSIC-780	Certify Grade	2	07-Aug-24	08-Aug-24	Certify Grade																																																											
MUSIC-790	Survey & Layout	2	09-Aug-24	12-Aug-24	Survey & Layout																																																											
MUSIC-800	Install U/G Plumbing	7	13-Aug-24	21-Aug-24	Install U/G Plumbing																																																											
MUSIC-810	Install U/G Electrical	5	22-Aug-24	28-Aug-24	Install U/G Electrical																																																											
MUSIC-820	Excavate Grade Beams	7	29-Aug-24	06-Sep-24	Excavate Grade Beams																																																											
MUSIC-830	Grade Beam Rebar	5	10-Sep-24	16-Sep-24	Grade Beam Rebar																																																											
MUSIC-840	Grade Beam Formwork	5	17-Sep-24	23-Sep-24	Grade Beam Formwork																																																											
MUSIC-850	Layout & Set Hold Downs	3	17-Sep-24	19-Sep-24	Layout & Set Hold Downs																																																											
MUSIC-860	Grade Beam Inspections	1	24-Sep-24	24-Sep-24	Grade Beam Inspections																																																											
MUSIC-870	Pour Grade Beams	1	25-Sep-24	25-Sep-24	Pour Grade Beams																																																											
MUSIC-880	Slab Prep.	4	26-Sep-24	01-Oct-24	Slab Prep.																																																											
MUSIC-890	Under Slab Electrical	5	02-Oct-24	08-Oct-24	Under Slab Electrical																																																											
MUSIC-900	Slab Sand & Vapor Barrier	5	09-Oct-24	15-Oct-24	Slab Sand & Vapor Barrier																																																											
MUSIC-910	Slab Formwork	3	16-Oct-24	18-Oct-24	Slab Formwork																																																											
MUSIC-920	Slab Rebar	4	21-Oct-24	24-Oct-24	Slab Rebar																																																											
MUSIC-930	Slab Inspections	1	25-Oct-24	25-Oct-24	Slab Inspections																																																											
MUSIC-940	Place Slab on Grade	2	28-Oct-24	29-Oct-24	Place Slab on Grade																																																											
MUSIC-950	Strip & Cure Slab	5	30-Oct-24	05-Nov-24	Strip & Cure Slab																																																											
Wing A & Admin		119	06-Nov-24	28-Apr-25																																																												

Remaining Level of Effort Milestone
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Buena Park Unified School District
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Activity ID	Activity Name	Orig Dur	Start	Finish	2024												2025																																															
					July			August			September			October			November			December			January			February			March			April			May			June			July			August			September																	
					23	30	07	14	21	28	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10
MUSIC-1690	Electrical Trim	5	27-Mar-25	02-Apr-25	█ Electrical Trim																																																											
MUSIC-1710	Low Voltage Devices	5	27-Mar-25	02-Apr-25	█ Low Voltage Devices																																																											
MUSIC-1720	Fire Alarm Trim	3	27-Mar-25	31-Mar-25	█ Fire Alarm Trim																																																											
MUSIC-1730	Fire Alarm Pull Wire	3	01-Apr-25	03-Apr-25	█ Fire Alarm Pull Wire																																																											
MUSIC-1670	MEPF Ceiling Drops	7	03-Apr-25	11-Apr-25	█ MEPF Ceiling Drops																																																											
MUSIC-1740	Finish Paint	3	14-Apr-25	16-Apr-25	█ Finish Paint																																																											
MUSIC-1750	Install Cabinets	4	17-Apr-25	22-Apr-25	█ Install Cabinets																																																											
MUSIC-1770	Drop Ceiling Tile	3	17-Apr-25	21-Apr-25	█ Drop Ceiling Tile																																																											
MUSIC-1760	Install Floorcoverings	5	22-Apr-25	28-Apr-25	█ Install Floorcoverings																																																											
Wing B		151	08-Nov-24	16-Jun-25																																																												
Structure		56	08-Nov-24	30-Jan-25																																																												
MUSIC-1990	Layout Walls	2	08-Nov-24	11-Nov-24	█ Layout Walls																																																											
MUSIC-2000	Sill Plate	4	12-Nov-24	15-Nov-24	█ Sill Plate																																																											
MUSIC-2010	Frame Walls	10	02-Dec-24	13-Dec-24	█ Frame Walls																																																											
MUSIC-2040	Plumb & Align Walls	5	16-Dec-24	20-Dec-24	█ Plumb & Align Walls																																																											
MUSIC-2050	Install Framing Hardware	4	23-Dec-24	27-Dec-24	█ Install Framing Hardware																																																											
MUSIC-2580	Structural Steel	15	23-Dec-24	14-Jan-25	█ Structural Steel																																																											
MUSIC-2020	Roll Joists	7	15-Jan-25	23-Jan-25	█ Roll Joists																																																											
MUSIC-2030	Roof Sheeting	5	24-Jan-25	30-Jan-25	█ Roof Sheeting																																																											
Exterior & Roof		95	31-Jan-25	16-Jun-25																																																												
MUSIC-2320	Exterior Wall Electrical & Plumbing	5	31-Jan-25	06-Feb-25	█ Exterior Wall Electrical & Plumbing																																																											
MUSIC-2470	Roof Penetrations	5	31-Jan-25	06-Feb-25	█ Roof Penetrations																																																											
MUSIC-2330	Install Exterior Shear Wall Panels	7	07-Feb-25	18-Feb-25	█ Install Exterior Shear Wall Panels																																																											
MUSIC-2480	Roof Waterproofing	5	07-Feb-25	14-Feb-25	█ Roof Waterproofing																																																											
MUSIC-2340	Exterior Flashing & Waterproofing	5	19-Feb-25	25-Feb-25	█ Exterior Flashing & Waterproofing																																																											
MUSIC-2350	Exterior Door & Window Frames	7	26-Feb-25	06-Mar-25	█ Exterior Door & Window Frames																																																											
MUSIC-2360	Exterior Building Paper	7	07-Mar-25	17-Mar-25	█ Exterior Building Paper																																																											
MUSIC-2370	Exterior Lath & Trim	15	18-Mar-25	07-Apr-25	█ Exterior Lath & Trim																																																											
MUSIC-2380	Exterior Scratch Coat	5	08-Apr-25	14-Apr-25	█ Exterior Scratch Coat																																																											
MUSIC-2390	Exterior Scratch Coat Cure	2	15-Apr-25	16-Apr-25	█ Exterior Scratch Coat Cure																																																											
MUSIC-2400	Exterior Brown Coat	5	17-Apr-25	23-Apr-25	█ Exterior Brown Coat																																																											
MUSIC-2410	Exterior Brown Coat Cure	7	24-Apr-25	02-May-25	█ Exterior Brown Coat Cure																																																											
MUSIC-2460	Standing Seam Roof	15	24-Apr-25	14-May-25	█ Standing Seam Roof																																																											
MUSIC-2420	Exterior Finish Coat	10	05-May-25	16-May-25	█ Exterior Finish Coat																																																											
MUSIC-2500	Roof Top Set Mechanical Equipment	5	15-May-25	21-May-25	█ Roof Top Set Mechanical Equipment																																																											
MUSIC-2430	Exterior Doors & Hardware	7	19-May-25	28-May-25	█ Exterior Doors & Hardware																																																											
MUSIC-2440	Exterior Paint	10	29-May-25	11-Jun-25	█ Exterior Paint																																																											
MUSIC-2450	Exterior Signage	3	12-Jun-25	16-Jun-25	█ Exterior Signage																																																											
MUSIC-2490	Exterior Drinking Fountain	2	12-Jun-25	13-Jun-25	█ Exterior Drinking Fountain																																																											
Rough-in's		61	31-Jan-25	28-Apr-25																																																												
MUSIC-2060	Fire Sprinkler Rough-in	5	31-Jan-25	06-Feb-25	█ Fire Sprinkler Rough-in																																																											
MUSIC-2070	Install Ductwork	7	07-Feb-25	18-Feb-25	█ Install Ductwork																																																											
MUSIC-2100	Electrical Rough-in	7	19-Feb-25	27-Feb-25	█ Electrical Rough-in																																																											
MUSIC-2120	Plumbing Rough-in	5	19-Feb-25	25-Feb-25	█ Plumbing Rough-in																																																											
MUSIC-2110	Fire Alarm Rough-in	7	28-Feb-25	10-Mar-25	█ Fire Alarm Rough-in																																																											
MUSIC-2130	MEP Inspections	2	11-Mar-25	12-Mar-25	█ MEP Inspections																																																											
MUSIC-2140	Wall Insulation	3	13-Mar-25	17-Mar-25	█ Wall Insulation																																																											
MUSIC-2150	Drywall	5	18-Mar-25	24-Mar-25	█ Drywall																																																											

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					July			August			September			October			November			December			January			February			March			April			May			June			July			August			September																	
					23	30	07	14	21	28	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10
Inspections		25	09-May-25	13-Jun-25																																																												
INSP1110	Electrical Inspections	5	09-May-25	15-May-25																																																												
INSP1090	Plumbing Inspections	5	16-May-25	22-May-25																																																												
INSP1100	Fire Sprinkler Inspections	5	16-May-25	22-May-25																																																												
INSP1140	HVAC Inspections	5	16-May-25	22-May-25																																																												
INSP1130	Fire Life Safety Inspections	5	26-May-25	30-May-25																																																												
INSP1120	Building Inspections	5	30-May-25	06-Jun-25																																																												
INSP1160	Fire Alarm Inspections	5	02-Jun-25	06-Jun-25																																																												
INSP1150	Final Building Inspections / Sign Off	5	06-Jun-25	13-Jun-25*																																																												

- Electrical Inspections
- Plumbing Inspections
- Fire Sprinkler Inspections
- HVAC Inspections
- Fire Life Safety Inspections
- Building Inspections
- Fire Alarm Inspections
- Final Building Inspections / Sign Off

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