

GROSSMONT UNION HIGH SCHOOL DISTRICT

FOOTHILLS ADULT REMODEL AND WEST HILLS SCIENCE RENOVATION MULTI PRIME

**ATTACHMENT C
SUPPLEMENTARY
SPECIAL CONDITIONS AND
DIVISIONS OF WORK**

DIVISION OF WORK AMONG ALL PRIME CONTRACTORS

PART 1 – GENERAL

1.1 SUMMARY

- 1.1.1. As explained in this section, work of the total project is planned to be accomplished by dividing the total work among the various Prime Contractors, each Contract Number of which is identified by a “Bid Package” number and title.
- 1.1.2. To enable better communication regarding the project, all parties involved are encouraged to cite Contract Number, Bid Package Number and Title in all written communications.
- 1.1.3. Bid package Numbering: The Bid Package numbering on the project has no other significance except to help readily identify the groupings of work.
- 1.1.4. As explained in this section, this project is based on Multiple Bid Packages, also considered Prime Contracts. A Prime Contractor may be contracted for a Bid Package in which they submit their bid, in whole, with no exclusions. Work items listed in the Bid Packages provided for this project are for clarification only and are not intended to be a comprehensive list of inclusions, nor is meant to exclude any work not specifically noted that may be necessary or required to complete the work scope intended in your Bid Package. It is the responsibility of each bidder to include all coordination, plant, labor, material, and equipment necessary to complete the work of your Bid Package per, contract documents, as shown on the plans, contained in specifications, hazardous materials report, soils report, and as detailed within the division of works for a complete turnkey and operable system.
- 1.1.5. This document and the Division of Work Dot Matrix, located at the end of this section, include work scopes for the **Foothills Adult Education Center (FAEC) & West Hills High School Science Bldg. (WHHS) Modernization** projects. Prime Contractors are responsible for ensuring that they are familiar with all of the existing conditions and project documents, including but not limited to the division of works, construction documents, plans, specifications, hazardous materials report, soils report, as-builts, SHE Safety manual, BIM specifications and requirements, construction schedule, addenda, etc., for each project, AND shall be incorporated by reference into each “Agreement” between the Owner and Prime Contractor, and indicates sections upon which contracts will be based.
- 1.1.6. **Clarification on WHHS notes “HARDSHIP ‘ELEMENT’ NOT IN COMPLIANCE PER CBC 11B-505.10.1. NOT IN SCOPE PER 11B-202.4 EXCEPTION 8”, “HARDSHIP ‘ELEMENT’ NOT IN COMPLIANCE PER CBC 11B-603. NOT IN SCOPE PER 11B-202.4 EXCEPTION 8”, “HARDSHIP ‘ELEMENT’ NOT IN COMPLIANCE PER CBC 11B-404.2.4. NOT IN SCOPE PER 11B-202.4 EXCEPTION 8” and similar notes that indicates or includes “HARDSHIP ‘ELEMENT’”, shall indicate that the noted work is not to be included in this project scope of work.**

1.2 SCOPE OF CONTRACTS

- 1.2.1. This Section “DIVISION OF WORK AMONG ALL PRIME CONTRACTORS” defines the scope-of-work that shall be included in all Bid Packages involved in its construction for **both schools**.
- 1.2.2. All Prime Contractors are responsible for coordinating and providing all plant, labor, material,

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for and incidental to accomplish the work **at both schools, concurrently**, in accordance with the complete contract documents, the intent and the scope of work set forth in the bid packages and ensure coordination of work between the multiple prime contract bid packages for a complete turnkey and operable system.

- 1.2.3. It is essential that bidders attend the job walk(s) **at both sites**, as well as carefully study all contract documents including but not limited to, drawings, specifications, addenda, alternates, allowances, unit prices, hazardous materials report, soils report, as-built drawings, front end documents, bid packages, schedule, etc., to determine the amount of plant, labor, material, transportation, equipment, etc., necessary to accomplish the particular type of work upon which bid is made and for proper coordination and completion of the project, **at each school**, as designed and scheduled. Prime Contractors must study all drawings to ensure all portions of work related to that particular Bid Package, **at each school**, is covered in bid amount.
- 1.2.4. As part of this scope of work, the highest standard of proactive mindset and work ethic is expected from each Prime Contractor, who shall work as a partner to the construction team. Services are to include but not limited to: pro-active review of the contract drawings for the purpose of generating Requests for Information (RFI's) to mitigate issues prior to installation; proactive coordination and attending pre-construction, QC and scheduling meetings throughout the construction period.
- 1.2.5. As part of the Construction Team, each Prime Contractor shall, in its capacity as a constructor and without assuming any professional design service obligations, coordinate their efforts to help ensure that there are no design gaps and/or scope gaps. All team members shall:
 - 1.2.5.1. Participate as a member of the construction team with common defined goals regarding sequencing and scheduling (pull-planning).
 - 1.2.5.2. Continuously and proactively monitor the project and respond to issues that could impact quality, budget or schedule from construction start through project completion. Promptly report impacts.
 - 1.2.5.3. Identify and Pre-purchase or expedite long lead-time materials and equipment to meet the project schedule.
 - 1.2.5.4. Include coordination with all equipment vendors and suppliers for construction.
- 1.2.6. The term "Contract Documents" or "Construction Documents" are used throughout the project manual and bid documents. This term shall be understood as the complete collection of documents that are part of the project issued with the set of bid documents, including all documents and modifications issued by or on behalf of the Owner during the bid period. Unless otherwise expressly stated, references to the "Contract Documents" or "Construction Documents" are references to all of the documents issued for the construction of the Project, and that shall form as a part of your Prime Contract, which includes, but is not limited to the plans, specifications, hazardous material report, geotechnical investigation report, general conditions, special conditions, supplemental general conditions, divisions of work matrix, division of work scopes of work, schedule, as-builts, addenda, etc.
- 1.2.7. The term "Turnkey" is used throughout the Contract Documents. This term shall be understood as to be built, or installed completely per contract documents, and ready to be operated by the District.
- 1.2.8. Bidders are referred to Document, "Instruction to Bidders", for method of securing clarification

prior to bidding, if such clarification is felt to be needed.

PART 2 – BID PACKAGES

2.0 ALL BID PACKAGES: The following work items shall be included in all bid packages:

- 2.0.1 All Prime Contractors are aware that this project covers two separate campuses and that both campuses may be occupied by District Staff and students during construction activities. All Prime Contractors are expected to comply with badging requirements and ensure all workers conduct themselves in a manner appropriate for an occupied campus at both sites. It is imperative that all crew members, delivery drivers, etc. are respectful of all staff, students and public visitors. It is also critical that workspaces be kept in a broom swept and clean condition throughout construction.**

PERFORMANCE REQUIREMENTS

- 2.0.2.** All Prime Contractors are responsible for the intent of the entire Contract Documents applicable to their respective scope of work **at both sites**, which includes, but is not limited to plans, specifications, front end bid documents, divisions of work, general conditions, special conditions, hazardous materials report, addenda, etc., and shall include all necessary costs for complete and operational systems. Prime Contractors are responsible for any items that may not be shown or depicted in the Contract Documents but are required to complete to ensure a fully functional system. All parties agree and acknowledge that it is the Prime Contractor's duty to fully review the construction documents for constructability and that there shall be no adjustment to the contract for costs resulting from Prime Contractor's failure to include work scope that could be identified by the Prime Contractor utilizing reasonable due diligence during the job walk, review of contract documents, request for bidders' clarification, and the detailed bidding of the project. *For example, if a room shows new lighting and no switch, then the Prime Contractor is to cover the cost and provide all labor, material and equipment required to provide the switch and the lighting complete. If the new roof top mechanical unit does not show a condensate drain, then the Prime Contractor is to provide all labor, material and equipment required to provide the condensate drain complete.* In these instances, the Prime Contractor and its tier contractors are required to exercise a reasonable standard of care of a licensed contractor in reviewing the contract documents, and must supply sufficient quantities of devices, wire, pipes, ducts or other features, etc., that are; a) required by; or b) reasonably inferable from the construction documents as being necessary; or c) required to make all systems complete and functional.
- 2.0.3.** All code requirements that may not be shown on the documents, but which are reasonably inferable therefrom are each Prime Contractor's responsibility to be covered in their bid amount. All work is to comply with the current codes as indicated on the Contract Documents. The Contract Documents and all applicable local, state and federal codes are intended to complement each other. If the Contract Documents conflict with any of these codes, whichever is more stringent shall apply. The Prime Contractor must notify Construction Manager in writing of any conflicts prior to the commencement of their work.
- 2.0.4.** All Prime Contractors shall provide the Basic Services described within the project documents using its best professional skill and judgment, acting with the due care and in accordance with professional standards of care, the terms hereof and applicable laws, codes, rules or regulations. The Prime Contractors services hereunder shall be provided and completed promptly and in such a manner as to avoid hindrance, interruption or delay to the orderly progress and timely completion of their scope of work and the project as a whole.

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

- 2.0.5. All Prime Contractors shall make every attempt to provide a “Turn-Key” project as it relates to each scope identified in the division of work. If a scope item, building component, equipment, code change, etc., is identified as missing from the plans, specifications, soils reports, division of work, contract documents, etc., each Prime Contractor shall forward a Bid Clarification Request. If a bid clarification response has not been received prior to bid, include the item and/or work in your bid. Each Prime Contractor is responsible for any missing items that were identified and for which a Bid Clarification Request was not submitted, or for any missing items that should have been recognized had the Prime Contractor exercised reasonable diligence and care in reviewing the Contract Documents.
- 2.0.6. All Prime Contractors shall be responsible to be in compliance with regulatory agency, trade organizations, and governing bodies’ requirements having jurisdiction over own work.

SCHEDULE

- 2.0.7. All Prime Contractors shall include in their bids, time and material to perform the work per the schedule provided. **Prime Contractors shall staff both projects sufficiently, as both projects will be built concurrently. Prime Contractors will be required to work the hours necessary to complete own work including normal hours, evenings, weekends and possibly holidays. Include the necessary labor power and work hours to achieve the scheduled completion dates for each activity.** All Prime Contractors must review the baseline schedule and ultimately the master schedule to ensure that long lead items will be on site and installed to meet the construction schedule and intent. *Prime Contractors are responsible for including all costs for any additional shipping and/or rush charges, including but not limited to expediting of submittals, shop drawings, manufacturing, fabrications, deliveries for fabrication, etc., if applicable or required to meet the schedule.* All Prime Contractors are responsible to abide to this section, “time is of the essence”.
- 2.0.8. All Prime Contractors shall submit weekly, to the Construction Manager an updated three-week look-ahead schedule, and a current updated long lead procurement log. Deliver the weekly updated schedule and procurement log to the Construction Manager at the weekly Foreperson’s Coordination Meeting. Provide the first long lead procurement log within 21 days of receiving your NTP or PAL.
- 2.0.9. All Prime Contractors shall provide scheduling information within (5) days of such request from the Construction Manager.
- 2.0.10. All Prime Contractor shall participate in special scheduling or pull planning meetings, as requested, to accommodate the preparation and updating of the project’s CPM schedule, and the submission of related data as may be requested.
- 2.0.11. All Prime Contractors shall be expected to become fully aware of most current schedule requirements to coordinate and provide all rough openings, backing, fastening, shoring, sleeve and curb layouts, and any other critical rough-in information no later than five (5) days prior to pouring of concrete or framing start for each construction area. Failure to do so transfers responsibility back to that Prime Contractor. Prime Contractor shall be responsible for all rework or added costs due to layout not being provided before work is laid out and placed.

SCOPE DUPLICATION

- 2.0.12. The work noted in each bid package must be included in that bid, regardless of what any other bid package states. If there is a duplication of work between your package and another, forward a Bid Clarification Request. If a bid clarification response has not been received prior to bid, include the work in your bid. If duplications are found after bid, Construction Manager will make a

determination on who shall perform the work. The Prime Contractor who does not perform the work will be required to provide a credit to the Construction Manager for the duplicated work. The Construction Manager reserves the right to deem a bid non-responsive, if exclusions to the work of the bid package are made.

COORDINATION

- 2.0.13 All work is to be coordinated with the Construction Manager, and with all other interfacing and adjacent Prime Contractors. All Prime Contractors shall be responsible to properly coordinate their portion of work with both Construction Manager and other related Prime Contractors. No extra compensation will be paid to any Prime Contractor for relocating any material or equipment that has been installed without proper coordination between all Prime Contractors; this includes any conflicts that arise from work not installed per the coordinated BIM documents (or site coordination efforts) or otherwise.
- 2.0.14 Where applicable, all Prime Contractors shall coordinate their Work above ceiling, in chases, under slab, and in wall systems with the Work of other trades to insure proper space utilization and conformance with the requirements of the Contract Documents. Conflicts arising from a Prime Contractor's failure to coordinate will be the responsibility of that Prime Contractor to resolve. All applicable Prime Contractor's shall jointly prepare, with HVAC and Plumbing, Electrical, and Framing, overlay drawings indicating the vertical and horizontal routing of pipes, bracing and accessories so as to avoid any conflicts. All applicable Prime Contractor's, including but not limited to Mechanical HVAC, Electrical, Plumbing, and Framing will be responsible for attending weekly and or bi- weekly MEP coordination meetings.
- 2.0.15 All Prime Contractors shall coordinate with other trades with regard to embeds, block-outs, openings, etc. to be installed in masonry, concrete, metal stud framing, rough carpentry framing, and other trades work, and will provide all required openings. All Prime Contractors shall coordinate installation of their Scope of Work with the Work of other trades to insure conformation with the requirements of the Contract Documents. Conflicts arising from a Prime Contractor's failure to coordinate properly, will be the responsibility of that Prime Contractor to resolve.
- 2.0.16 All Prime Contractors and tier Contractors shall coordinate and procure business license, permits, fees, etc., as required for their own work, at own cost.
- 2.0.17 All Prime Contractors shall be responsible for coordinating, obtaining and procuring any and all **City of El Cajon** and **Santee** required permits, including but not limited to encroachment permits and inspections.
- 2.0.18 A Minimum of three (3) weeks' notice must be given to Construction Manager Project Superintendent prior to any crane being brought on-site. Proper permits, operator certifications, pick plans, pertinent Safety paperwork must be submitted for review and approval prior to equipment being brought on-site and utilized. Prime Contractor shall coordinate with the Construction Manager, provide all the required documentation, coordinate and attend a Pre-Pick Meeting, with their crane vendor, Balfour Beatty Staff and Prime Contractor.
- 2.0.19 All Prime Contractors are responsible for coordination with other Prime Contractors who interface with own work, which shall include shop drawings, submittals, layout drawings, scheduling, etc.
- 2.0.20 All Prime Contractors shall be responsible to coordinate with other trades for shop details, this includes requesting, furnishing and coordinating shop drawings of all pertaining work items. Failure to request, coordinate and provide drawings transfers responsibility back to that Prime

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

Contractor.

SAFETY REQUIREMENTS

- 2.0.21 All Prime Contractors shall be responsible for meeting and/or exceeding all safety requirements for own work, in compliance with most recent Cal and Fed OSHA regulations and in cooperation with Balfour Beatty's SHE Zero Harm Program and Prime Contractor's Safety Program.
- 2.0.22 Compliance with regulatory agencies i.e., Cal/OSHA, Fed/OSHA, trade organization, and governing body requirements having jurisdiction over own work. In the event of conflicting regulations, the more stringent shall take precedence.
- 2.0.23 All Prime Contractors, Tier Contractors, Vendors, Suppliers, etc., shall be required to adhere to Balfour Beatty Construction's Zero Harm Safety Program at all times while on site or while making deliveries.
- 2.0.24 If not trailed already, all Prime Contractors shall be required to send all forepersons who will be working on site to the Construction Manager's four (4) hour Zero Harm "SAFE" safety and health training class. The training certificate must be renewed once a year. This requirement must be fulfilled prior to the Prime Contractor commencing work on this project.

Description	Zero Harm Training	Jobsite Orientation
Worker onsite 1 day only	None	1 time-30 min
Worker onsite 2-7 days	None	1 time-30 min
Worker onsite > 7 days	1 time-3 ½ hrs.	1 time-30 min
Mech/Elec/Plumb PM's	1 time-3 ½ hrs.	1 time-30 min

- 2.0.25 All Prime Contractors, and tier Contractors shall be required to wear PPE and other safety items for own work including; Hardhats, boots, reflective vests, safety glasses, gloves, long pants and shirts with sleeves will be required at all times. NOTE: FIRST OFFENSE OF THE ABOVE PPE REQUIREMENTS WILL REQUIRE THAT PERSON TO BE REMOVED FROM THE PROJECT. SECOND OFFENSE AND THAT PERSON WILL BE BANNED FROM THE PROJECT. Hearing protection shall be worn when required or requested. Fall protection must be maintained per current CAL-OSHA standards. Each Prime Contractor is required to maintain their own First Aid Kits, MSDS, Injury & Illness Prevention Plan (IIHP), Job Hazard Analysis (JHA), Safety Task Assignment (STA) and related documentation explaining required training and safety program. No radios, boom boxes, portable music devices, animals, etc., will be allowed on site. In addition to safety requirements mentioned herein, and any requirements found in individual Prime Contractors IIHP, Balfour Beatty Construction's own safety plan will be provided in the Bid Documents and must be adhered to at all times, without exception.
- 2.0.26 All Prime Contractors are expected to check-in at the COVID Temperature Check tent, located at each project, for temperature checks and confirmation that all workers are not experiencing any symptoms. See Attachment K for more information.
- 2.0.27 All Prime Contractors shall be required to provide a copy of their Safety Submittal per the SHE safety submittal check list. Including the MSDS, Injury & Illness Prevention Plan (IIPP), Job Hazard Analysis (JHA), Safety Task Assignment (STA) and related documents explaining required training and safety program to the Construction Manager prior to any work commencing. This information

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

shall be provided to the Construction Manager in a 3-Ring Binder with Title of Subject and Company Name, as well as provide an electronic version.

- 2.0.28 All Prime Contractors shall provide the Safety Submittals for their tier Prime Contractors. STA's must be updated, and copies submitted to the Construction Manager as new employees enter the project. There shall be an updated binder in the Construction Manager's job site office for both the JHA's and STA's for all Prime Contractors and their tier subs, at all times. This information shall be provided to the Construction Manager in a 3-Ring Binder with Title of Subject and Company Name, as well as provide an electronic version.
- 2.0.29 The Safety Submittal must be received and approved by the Construction Manager prior to payment.
- 2.0.30 Pre Task Plan's (PTP's) must be prepared, updated, reviewed and signed by all workers, and placed in a conspicuous place on site, on a daily basis and submitted to the Construction Manager, at the end of each day.
- 2.0.31 All Prime Contractors shall submit three copies of an Emergency Procedures Manual for each system/piece of equipment with separate sections for operation manuals and maintenance manuals.
- 2.0.32 Work requiring respirators will require the Prime Contractor to submit a respirator plan, complete with how and when the respirators are tested, how and where they are stored, how and when they are cleaned, and also proof of medical fit testing for all those who use the respirators.
- 2.0.33 All Prime Contractors shall abide by all safety requirements and perform their own weekly safety meetings with their employees, as well as their associated sub-tier Prime Contractors. Prime Contractor weekly safety meeting minutes and sign in sheets are to be submitted to the Construction Manager for record. The project site will be designated at "Zero Harm Zone" and any Prime Contractor witnessed performing unsafe actions may be asked to leave the project site at the Construction Manager's discretion and it shall be the Prime Contractor's responsibility to replace the removed worker or workers at no additional cost to the project. This Prime Contractor will be responsible for any delays to the project due to the removal of unsafe worker or workers.
- 2.0.34 There will be a jobsite safety committee made up of at least one individual from each of the Prime Contractors on the project. Each Prime Contractor is to have at least one individual join the jobsite safety committee which will be led by Balfour Beatty Construction. This committee will meet no less than once a week for approximately 30 minutes to an hour for the purpose of reviewing the jobsite for ongoing and potential upcoming safety issues.
- 2.0.35 The Construction Manager will review Prime Contractor's safety procedures and compliance with current federal and state safety requirements. All Prime Contractors will immediately comply with the findings from this special inspection and take the appropriate measures. Prime Contractors are required to respond in writing within 48 hours of receipt of a notice of safety issues of what corrective measures have been taken to correct noted issues. Failure to correct the safety issues may result in the suspension of work, replacement of onsite supervision and or termination of contract.
- 2.0.36 One site foreperson/supervisor having been OSHA 30 hour trained and certified, must be onsite at all times when that Prime Contractor or their Tier Prime Contractor is performing any work.
- 2.0.37 Pre-Construction Meetings will be conducted with each Prime Contractor and Construction Manager two weeks prior to the start of their task/phase. Prime Contractors Project Manager and

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

Foreperson/Superintendent will be required to attend and to provide information concerning quality control, JHA, STA, Prime Contractor planned safety measures, employee safety training certificates, planned safety measures to be taken with other trades, inspection access and requirements, anticipated crew size, equipment requirements and safety inspection records, schedule and work hours, submittal and material procurement statues, etc.

- 2.0.38 All Prime Contractors shall be responsible for own impalement protection for own work, including all exposed rebar, embeds, anchor bolts, conduit, piping, etc. Impalement protection must be CAL-OSHA certified, installed and maintained per same.
- 2.0.39 All Prime Contractors to provide and maintain all shoring, as required for own work, including but not limited to engineered systems and plans that have been submitted and approved by the applicable agency including a California PE stamp, if required.
- 2.0.40 All Prime Contractors shall be responsible for hole protection per OSHA standards, including but not limited to securing, labeling and maintenance. All penetrations 2 inch and larger in decks and platforms, as incurred by own work activities shall be protected with ¾ inch plywood. Covers shall be spray painted (not while in place) to make others aware. When hole size permits, paint "Hole – Do Not Remove".
- 2.0.41 Any Prime Contractor found leaving a floor hole unprotected, altering a guard rail, scaffold or other safety related device without prior approval from the Construction Manager, is subject to immediate and permanent removal from this project.
- 2.0.42 All Prime Contractors shall be responsible for own fire protection (i.e., fire extinguishers) on site for the duration of own work. Provide own fire watch as needed or required.
- 2.0.43 All Prime Contractors shall supply its workers with drinking water. **Eating, drinking (sodas, coffee, etc.), chewing and smoking will not be allowed inside the buildings.** This is also a non-smoking campus, no smoking outside of building. Designated break and eating areas outside the building will be established by the Construction Manager Project Superintendent. No other food, drinks, chewing gum, chewing tobacco, sunflower seeds, etc. will be allowed outside the designated areas. All Prime Contractors shall provide own canopies, covered tables and benches for its crews, per OSHA heat illness guidelines.
- 2.0.44 Grossmont Union High School District campuses are Smoke-Free and Tobacco-Free Campuses. No smoking or tobacco use is permitted anywhere on campus property, including parking lots and project sites.
- 2.0.45 At the end of each work day, each Prime Contractor shall do their due diligence to ensure exterior doors in buildings are closed and secure.
- 2.0.46 All Prime Contractors shall provide, install and remove handrail and/or fall protection as required by Cal-OSHA to protect local work area during own scope of work.
- 2.0.47 It is the responsibility of all Prime Contractors to reattach and re-tension the temporary cable rail system should they need to remove any portion of it for access or loading of materials. In any area of removal for this purpose, Prime Contractor shall by 100% tied off at exposed leading edges above 6 feet.
- 2.0.48 All Prime Contractors shall be responsible for OSHA compliant engineered fall protection and fall protection tie off anchorage points for their own scope of work.
- 2.0.49 All Prime Contractors shall be required to adhere to the Zero Harm Safety Program's 6' and over

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

fall protection trigger height. NO EXCEPTIONS.

- 2.0.50 Flammable products must be continually stored per OSHA regulations.
- 2.0.51 Hazardous material containment required for any hazardous materials stored on site.
- 2.0.52 No gas- or diesel-powered equipment indoors will be allowed. If gas- or diesel-powered equipment is absolutely necessary indoors, obtain Construction Manager's approval prior to starting task. Prime Contractor is responsible for their own air quality monitoring conforming to Cal/OSHA Breathing Air Quality Standards.

PRECONSTRUCTION MEETINGS AND SUBMITTALS

- 2.0.53 All Prime Contractors and their Tier Prime Contractors shall attend the job kick off, pre-construction, construction and scheduling meetings, as requested by Construction Manager.
- 2.0.54 All Prime Contractors shall provide applicable payment and performance bonds within (5) days of receipt of notification of award, unless otherwise noted sooner in the General Conditions. All Prime Contractors shall be fully familiar with the bonding requirements for this project and shall incorporate and include all costs required to meet the bonding requirements in their submitted bid.
- 2.0.55 All Prime Contractors shall fulfill all insurance requirements, and supply insurance documentation within (5) days of receipt of Contract, unless otherwise noted sooner in the General Conditions, and prior to commencing work on site. Prime Contractor to provide waiver of subrogation. Balfour Beatty Construction shall be named as Additionally Insured on policy. All Prime Contractors shall be fully familiar with the insurance requirements for this project and shall incorporate and include all costs required to meet the insurance requirements in their submitted bid.
- 2.0.56 All Prime Contractors shall provide wage rates and a labor burden breakdown within (5) days of receipt of notification of award, unless otherwise noted sooner.
- 2.0.57 All Prime Contractors shall provide a schedule of values within (5) days of receipt of notification of award, in a format acceptable by the Construction Manager. Schedule of Values must be in a format that breaks out by scope of work, labor, material, equipment, etc.
- 2.0.58 All Prime Contractors shall be responsible for ensuring that it has applied for, obtained and maintains in effect at all times during the performance of own work, any and all permits and licenses as are required by applicable legal requirements to be in effect in connection with the performance of own work, at own cost.
- 2.0.59 This is a prevailing wage projects; all Prime Contractors shall be responsible to comply with current prevailing wage statutes. All Prime Contractors shall be responsible to upload & submit certified payroll reports to the Project's Labor Compliance Program within one week of the pay period ending, unless otherwise directed. All Prime Contractors shall be responsible for verifying their tier Contractors uploads & submission of certified payroll reports to the Project's Labor Compliance Program within one week of the pay period ending, unless otherwise directed.

SUBMITTALS AND SUBSTITUTION REQUESTS

- 2.0.60 All Prime Contractors shall generate and submit complete submittals within **fourteen (14) calendar days** from issuance of Notice to Proceed or Subcontract, whichever comes sooner, unless otherwise specifically noted elsewhere. Each Prime Contractor shall be responsible for any and all costs associated to the delay of submitting own shop drawings, samples and submittals complete. Costs included, but not limited to all costs associated to expedite processing, expedite review,

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

accelerate or added costs for follow on trades delayed by the late submission of a shop drawing, sample and/or submittal. Approved submittals must be in hand prior to ordering if material. All Prime Contractors shall be responsible for the cost, delivery and return of submittals, shop drawings, samples, etc. due to submission of incorrect or incomplete documents. At the Construction Manager's discretion, the Construction Manager is authorized to deduct via a unilateral change order, the amount of **<\$50> for each calendar day beyond the fourteen (14) calendar days** after issuance of the Notice to Proceed or Subcontract, whichever is sooner, until complete submittals are received. Additional costs associated with delayed submittals may be incurred if late submittals create a project delay.

- 2.0.61 All Prime Contractors shall be responsible for all costs associated for the re-review of re-submittals that were originally incorrect or incomplete.
- 2.0.62 All Prime Contractors shall obtain approval of submittals prior to putting work in place. If Prime Contractor procures, delivers or installs material not approved during the submittal process, shall be responsible for all costs, damages or delays incurred.
- 2.0.62. Should the Prime Contractor fail to submit required submittals within the time frame indicated in the Contract Documents, that Prime Contractor shall be responsible for all costs for delay and consequential damages, and applicable liquidated damages.
- 2.0.63. Substitution requests must be submitted and approved 10 days prior to bid date, unless otherwise noted sooner within the Contract Documents.
- 2.0.64. All Prime Contractors shall provide substitution requests in accordance with the plans, specifications, and General Conditions. Prime Contractors must provide a side-by-side comparative analysis guide and provide all required research and back up documentation for the substituted item. Construction Manager and Architect will not accept substitutions without this documentation. Substitutions must be clearly identified and submitted separately and prior to the standard submittal process. Substitutions may not be considered after the bid date.
- 2.0.65. No deviations from the contract documents will be accepted unless a formal Substitution Request has been approved by the Architect, despite an approved submittal. If Prime Contractor procures, delivers or installs material not approved by a Substitution Request, Prime Contractor shall be responsible for all costs, damages.

CHANGE IN THE WORK AND BILLING

- 2.0.67 All Prime Contractors shall notify the Construction Manager in writing of any potential costs and schedule impacts associated with any changed field conditions, RFI's, ASI's, submittal reviews, or any other written direction from the Architect, Construction Manager, Inspector, Owner, or any other Owner's Agent. Such notification shall be prompt and timely enough for owner to take preventative action against cost or schedule impact without delaying the overall project schedule. In no case shall the Prime Contractor's notification be more than five (5) working days from changed field condition or written direction from owner's agent. Failure to comply with the above notification procedures will result in Prime Contractors loss of right to cost or schedule impacts.
- 2.0.68 Requested modifications to the contract documents due to Prime Contractor's errors and omissions, or per the request by Prime Contractor may require additional Architectural, Engineering, Consultant, Testing and Inspection Services that may result in additional costs to the requesting Prime Contractor.
- 2.0.69 All work is to comply with the current codes as indicated on the Contract Documents. The Contract

Documents and all applicable local, state and federal codes are intended to complement each other. If the Contract Documents conflict with any of these codes, whichever is more stringent shall apply. The Prime Contractor must notify Construction Manager, in writing, of any conflicts prior to the commencement of this work.

- 2.0.70 All Prime Contractors shall be solely responsible for notifying the Construction Manager in writing of any change (or potential change) in schedule or cost, immediately upon Prime Contractor gaining knowledge or idea of such change. Construction Manager reserves the right to direct any Prime Contractor to proceed with any changed or disputed work on a time and material basis. All extra work orders/tickets shall be signed by Construction Manager prior to commencement of such work and signed by Construction Manager at completion of each day's work. Extra work order/tickets without the above-required signatures will be considered null and void. Each Prime Contractor shall confirm the commencement and completion of such extra work within twenty-four (24) hours by written notification to Construction Manager and shall also advise Construction Manager of the cumulative cost of each item on a weekly basis. Should additional work be authorized under a "Time and Material" change order, Prime Contractor must notify the Construction Manager (each day and prior to starting work) the number of workers, material and equipment working on each change order. Daily tickets shall quantify labor hours, materials and equipment used. If the Construction Manager cannot verify the T&M tickets, then he/she shall write "cannot verify time" and the T&M ticket will not be paid. Signed T&M tickets for disputed work are for verification of time only and DOES NOT CONSTITUTE APPROVAL OF COSTS. All change orders shall be inclusive of all costs associated with the impacts of the changes, including but not limited to: interference, disruptions, rescheduling, changes in the sequence of work, delays, and/or associate acceleration. Therefore, there will be NO reservation of rights allowed on change order request forms or letters.
- 2.0.71 All Prime Contractors shall submit their DRAFT SOV breakdown on the District's template within **fourteen (14)** days of contract and/or NTP issuance. SOV shall be broken down by activity, then labor and material. Each Phase of work (if applicable) shall be clearly identified, and/or campus if contract covers multiple projects. Once the SOV has been approved by CM and District, it will be loaded in the District's management system, **eBuilder**. Progress billings shall be submitted via **eBuilder** by the 20th of each month. The application for payment form must be accompanied by an updated schedule of values and all required releases and supplier releases per Contract Documents. As-built drawings must be updated by each Prime Contractor by the 15th day of each month as a pay-precedent requirement.

SUPERVISION REQUIREMENTS & AS-BUILTS

- 2.0.71. One Foreperson for duration of own work, and for subcontracted work on this project. **Foreperson must be on-site when all their work and their tier Prime Contractors work within bid package is being performed.** Foreperson may not be changed without Construction Manager's prior consent. Foreperson must be available by mobile phone. Foreperson must read the Subcontract and be fully familiar with their scope of the work and the scopes associated with their work. Prime Contractor must maintain a copy of their Plans and Bid Package/Division of Work on site and adhere to same.
- 2.0.72. One site foreman/supervisor having been OSHA 30 hour trained and certified, must be onsite at all times when that Prime Contractor or their Tier Contractor is performing any work.
- 2.0.73. Each Prime Contractor's jobsite Foreperson shall complete Construction Manager's Daily Reports, including their tier Prime Contractors, at the end of each work day and submit **no later than 10:00**

am the next day. Each Prime Contractor must complete and submit the daily report electronically to Construction Manager via **eBuilder**.

- 2.0.74. No company banners or signage to be displayed on site without permission of the Construction Manager, with exception of painted trailers.
- 2.0.75. All Prime Contractors on site shall have a fully posted set of contract documents prior to commencing work and shall continuously update this set as additional information becomes available.
- 2.0.76. All Prime Contractors shall provide weekly updates of as-built documents on Construction Manager's plan set and transfer updates to final as-built drawings at end of project, as required by specifications.
- 2.0.77. As-builts shall also be updated before own work is covered up. Updated as-builts will be required as a pay-precedent.
- 2.0.78. Electronic construction documents may be made available for review and use, following execution of a BBC waiver. It is recommended that all Forepersons be equipped with an iPad Air or later model with the Egnyte application, or a similar application installed to access the electronic construction documents that may be made available.
- 2.0.79. All Prime Contractors shall be required to use a construction project management software program **E-Builder** for online management of construction documentation and communications such as Change Management, Submittals, RFIs, Correspondence, Accounting, Dailies, Meeting Minutes, etc. Each Prime Contractor shall be provided one (1) user account at no cost for the duration of the project. The Prime Contractors' representatives that will be using the construction project management software program will be required to attend training sessions administered by Construction Manager or Owner. Each Prime Contractor shall assume **four (4)** hours of training time for each of its representatives. Training times will be coordinated by the Construction Manager.

TEMPORARY FACILITY AND UTILITIES

- 2.0.80. See Dot Matrix for Temporary Facility responsibility assignments.
- 2.0.81. Concrete Prime Contractor to provide, install and maintain temporary perimeter fence where applicable. Any additional fencing will be the responsibility of the requesting Prime Contractor for cost, maintenance and repair. Maintenance and repair of damage to fence will be the cost of applicable Prime Contractor.
- 2.0.82. If any fencing needs to be moved to perform their work, that Prime Contractor is to move fence and replace in like condition at no additional cost. Any damages incurred during this process shall be the responsibility of the Prime Contractor who moved the fence.
- 2.0.83. All Prime Contractors shall be responsible for their own temporary power, portable lighting and extension cords necessary to complete work. Each Prime Contractor will be responsible for own task lighting and extension cords. Temporary electrical power and power distribution (spider boxes) will be provided, maintained and inspected by the Electrical Prime Contractor for use by others. All temporary electrical must be installed per the Balfour Beatty SHE Manual.
- 2.0.84. All Prime Contractors shall be responsible for own phones, faxes and copiers. Use of Construction Manager's equipment is strictly forbidden, unless arrangements are previously agreed upon by superintendent or project manager.

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

- 2.0.85. All Prime Contractors shall be responsible for own water usage, costs and temporary water distribution, including but not limited to, water trucks, hoses/piping to area of work, as required. Water taken from fire hydrants must be metered and paid for by each Prime Contractor.
- 2.0.86. Parking as required for own employees at areas designated by Construction Manager. There will be no parking permitted on site, including no parking in lay down/staging areas. Tools, equipment, deliveries and supplies will need to be unloaded in the work areas and staging area, and then vehicles are to move to designated areas or on the street at designated areas. Change order requests for lack of parking shall not be approved.
- 2.0.87. The following primary utilities; Gas, Domestic Water, Electrical, Low Voltage Backbone Pathways, Irrigation Mainlines, Sewer and Storm Drain Main Lines shall be surveyed for the as-built record. Utilities shall not be covered by the installing Bid Package without coordinating the as-builts.

JOBSITE CLEANING

- 2.0.88. Jobsite shall be kept in a “broom-swept” condition at all times. If a Prime Contractor should fail to provide sufficient cleanup and removal of own material, trash and debris, Construction Manager may, after issuing a twenty-four (24) hour written notice, *have the cleanup and removal work completed by another Prime Contractor and issue a Back Charge to the responsible Prime Contractor for labor hours, equipment, dumping and hauling fees and management fees for performing this work on behalf of the appropriate Prime Contractor(s).* If applicable, the cost of this effort may be prorated between Prime Contractors. Construction Manager shall receive reimbursement or executed deductive change order for cleaning services by the appropriate Prime Contractor(s) prior to the processing and approval of the next pay application.
- 2.0.89. All Prime Contractors shall be responsible for cleaning and hosing down their vehicle tires on site at a location identified by Construction Manager, before leaving site on to city road, from a Construction Manager provided water source. No other washing of any vehicle exteriors will be permitted on site at any time.
- 2.0.90. All Prime Contractors shall be responsible for own street cleanup, if not completed same day as requested, street may be cleaned up at Prime Contractor’s expense without notice, to comply with City Requirements and that Prime Contractor will be back charged.

ACCESS AND MATERIAL HOISTING

- 2.0.91. All Prime Contractors shall be responsible to provide waste tickets, and salvage reports to Construction Manager for tracking on a monthly basis, as a pay-precedent with the billing.
- 2.0.92. This Project will be constructed on an occupied campus, and in a residential neighborhood and will have very restricted access. Each Prime Contractor shall take into consideration ongoing campus/student activity, activity by the public and residences in the areas surrounding the worksite when planning and performing all work activities for this contract. There will be limited areas for staging and storing materials and all Prime Contractors shall allow for, and accommodate, such restrictions, including but not limited to coordinating for material delivery, hauling, etc., and maintaining clear and free movement of materials and equipment around the building site, at all times. All Prime Contractors shall coordinate deliveries in advance with the Construction Manager, provide traffic control, flag person, and barricades as required, to perform work safely and to protect the public.
- 2.0.93. All Prime Contractors shall be responsible for off-loading, hoisting, scaffolding, ladders and moving of material and/or equipment for own work and shall be responsible for the costs of cleaning the

road due to on-site deliveries and parking of applicable, the cost for this clean-up effort shall be prorated between all Prime Contractors.

- 2.0.94. All material deliveries, storage areas, stockpiles, and/or jobsite facilities are to be coordinated with Construction Manager site management at least **forty-eight (48) hours** prior to delivery to site. **Deliveries shall be during jobsite work hours between 7:00AM and 3:30 PM however, deliveries may not be delivered during school drop off and pick up times, while school is in session. Times may also vary depending on holidays, testing days and/or holidays.** All Prime Contractors are responsible for receiving and unloading own material. **All Prime Contractors MUST COORDINATE DELIVERIES FOR ITS OWN TIERCONTRACTORS/VENDORS. Should deliveries be required on campus, the delivery shall be escorted in by that Prime Contractor with a flag person, including setting up, moving and utilizing barricades, barriers, and/or fencing to temporarily block pedestrian travel during that delivery.** All Prime Contractors are responsible to replace any items that are lost in transit, if deliveries are not sent to the proper location or received by their own onsite crew. And, per item 2.0.44 above, any delivery to the site using the fire access lane through the two-gate system must be completely coordinated with the Construction Manager, every time.

- 2.0.95. All Prime Contractors shall be responsible for storage and security of own materials and equipment located on jobsite. Any theft, vandalism, loss shall fall under Prime Contractor's own insurance. Location of staging area to be determined by Construction Manager. Staging area may be subject to several moves onsite over the duration of the project, as determined by the Construction Manager. Materials are to be stored off the ground and covered at the end of each workday. Some materials and equipment may require containers, drip-pans, and other SWPPP measures during storage. It is each Prime Contractor's responsibility to provide all containers, covering, lids, pans, etc., to meet SWPPP requirements, and to protect material and equipment from the elements. All excess fluid shall be disposed of in a legal manner, and in conformance with SWPPP regulations.

EXISTING SITE CONDITIONS

- 2.0.96. All Prime Contractors shall provide Construction Manager with a **forty-eight (48) hour** written notification of work or demolition that will or potentially will affect surrounding or adjacent structures not within the Work Area. Including but not limited to: restricting public access, hard protection, equipment access, and unsafe or potentially unsafe conditions.
- 2.0.97. All Prime Contractors shall coordinate, provide and maintain dewatering operations for own work, as required to eliminate ponding of water immediately after rainfall has occurred in order to allow these areas to dry out as quickly as possible. Dewatering to be done by whatever means necessary, including mechanical pumps, siphons, etc.
- 2.0.98. All Prime Contractors shall be responsible to remove and dispose of their spoils from site, including their tarp, heavy polyethylene, sandbags and hay bales, that was utilized to cover own stockpiled soils, as coordinated and directed by the Construction Manager. This is a tight site, stock piles may need to be relocated and/or removed on a regular basis, as needed and/or directed by the Construction Manager.
- 2.0.99. All Prime Contractors shall be responsible for environmental conditions affecting own materials and work. Weather damaged material and goods may be subject to rejection.
- 2.0.100. All Prime Contractors shall be responsible for protection of own work including but not limited to weather protection, barricades for traffic control, trench plates, K-rails, as required for complete access throughout jobsite.

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

- 2.0.101. All Prime Contractors shall be responsible for coordinating and procuring an approved truck route from the **City of El Cajon** and **Santee**, prior to commencement of work for any import or export operations.
- 2.0.102. All Prime Contractors shall coordinate with the Construction Manager and provide all traffic control and pedestrian control for Prime Contractor's own operations including tier Prime Contractors, suppliers and vendors. Furnish trench plates as required for own work in order to maintain constant access to all areas on site.
- 2.0.103. All Prime Contractors shall provide traffic control, flag person or barricades, as required for own work. Each Prime Contractor shall conform to the approved traffic control plan and provide proper notification to the city prior to performing any work in public right of ways. Each Prime Contractor shall provide pedestrian control barricades as required for own work.
- 2.0.104. Subject to the unforeseen condition's provisions of the Prime Contract, all Prime Contractors shall be responsible for verification of existing site conditions. All Prime Contractors shall examine, research and review the contract documents including plans, specifications, soils report, as-builts and existing conditions to determine the full scope of work for new work and for items required to be demolished, relocated and/or redistributed. Failure, on the part of each Prime Contractor, to verify and include an allowance for existing condition, does not alleviate the responsibility. Change orders will not be considered for any items apparent on any documents, as-builts or visible existing conditions including but not limited to relocation of work.
- 2.0.105. All Prime Contractors shall not cut into any existing piping, ductwork, conduit, loose wiring, etc. without first confirming that the line is inactive and then only after obtaining the approval of the Construction Manager. All Prime Contractors shall be responsible for locating and field verifying existing utilities, including but not limited to layout, field measurements, hand digging, pot holing, and verification of existing conditions and utility capacities.
- 2.0.106. All Prime Contractors shall be required (per Government code 4216/4217) to contact Underground Service Alert at 1-800-422-4133 at least 2 days before staging excavations and obtain a Dig Alert ID #. Please note there are Public Utilities located in the area of work (SDGE, Escondido Water District, Cox Cable, etc.). All Prime Contractors shall be responsible to hire and pay for a utility locator to mark out for all utilities in their area of work to include any power, data, TV, phone, gas, water, irrigation, fire alarm, street lights, storm drain, sewer, etc.
- 2.0.107. All Prime Contractors have the primary responsibility for locating existing utilities prior to commencing underground work and must call U.S.A. Dig Alert prior to commencement of any excavating work on or off site, for their own work. Before any underground work is started in an area, the Prime Contractor excavating will provide an independent underground utility locating service to identify all existing underground utilities, mark out identified utilities and provide Construction Manager with a marked-up site plan showing the location of all identified utilities. Prime Contractor must make own notification to required agencies and hold a pre-dig conference prior to starting underground work. Prime Contractor will review the Balfour Beatty SHE program and complete an Underground Utility Permit, PTP prior to the pre-dig meeting. Prime Contractor should not rely on any representation made by anyone other than those individuals duly authorized to survey, locate and stake existing utilities.
- 2.0.108. All Prime Contractors shall take appropriate precautions when performing work in areas with existing utilities. Prime Contractor shall pay all costs to repair any existing utilities damaged during own operations.

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

- 2.0.109. All utilities that serve the public must be kept in service at all times. If they need to be shut down for cross-overs or tie-ins, a minimum of twenty-one (21) days' notice must be given to the Construction Manager.
- 2.0.110. All Prime Contractors shall maintain all work activities within the limits of the construction boundary.
- 2.0.111. All Prime Contractors shall be responsible for their layout, field measurements and field quality control of their own work, including the removal of layout markings not removed during the construction process. Each Prime Contractor shall be responsible to layout and coordinate with all other trades to insure proper rough in, coordination, completion, etc. Failure to do so transfers the responsibility back to that Prime Contractor.
- 2.0.112. If an existing utility is shown within the Contract Documents, or on as-builts provided during bid time, to remain intact and in which it interferes with new proposed work, Prime Contractor shall include the costs in their bid to work around the existing utility or re-route the existing utility as necessary, at no additional cost to the owner.

JOINT SEALANTS AND FIRE CAULKING

- 2.0.113. All Prime Contractors shall be responsible coordinating, providing and installing all caulking, sealants, backer rods, fire caulking, acoustic caulking, fire pads, acoustic pads, fire stopping, escutcheons, sleeves, sleeve seals including T-ratings, as required to complete Prime Contractor's scope of work. Each Prime Contractor is responsible for providing a watertight and sealed system within, and at termination of its own systems. The components must be compatible with all other systems and/or surfaces to which they tie into. Each Prime Contractor shall include all caulking and backer rod within or adjacent to its system. When a Prime Contractor is penetrating another Prime Contractor's assembly, it is the penetrating Prime Contractor's responsibility to provide the above-mentioned caulking, etc., materials to maintain the penetrated assemblies designed intent. For example, in the event an electrical conduit is penetrating a 1-hour wall, in this case, it is the Electrical Prime Contractor's responsibility to install fire caulking around the conduit. The Interior caulking for all trades, includes each Prime Contractors scope of work up to and including adjacent work interfaces with other Prime Contractors' scope of work.
- 2.0.114. All Prime Contractors who penetrate through a rated assembly shall provide all through-penetration firestop systems, fire caulking, fire sealant products as well as all related accessory and fill components for all penetrations through the following fire-resistance-rated assemblies and smoke barriers, including both empty openings and openings containing penetrating items: floors, ceilings, roofs, walls, partitions and smoke barriers. All Prime Contractors shall coordinate with other Prime Contractors providing other through-penetration firestop systems for their respective scope of work in order for one common firestop system product manufacturer is used by all trades and is consistent. Firestopping to be performed by a certified/licensed firestopping installer- **NO EXCEPTIONS.** Coordination between wood framing, metal stud framing, mechanical, plumbing, fire sprinkler, electrical & low voltage Prime Contractors regarding not closing up areas until all inspection is completed by the DSA Inspector of Record. Note: Firestopping and fire caulking that is a part of a rated assembly shall be the scope responsibility of the Prime Contractor providing said assembly.
- 2.0.115. All Prime Contractors shall be responsible to make their own conduit and pipe penetrations in wood I-joists. Coordinate locations with Construction Manager and DSA Inspector, prior to start of work.

NOTIFICATION, PROTECTION & DAMAGES REQUIREMENTS

- 2.0.116. All Prime Contractors are responsible to coordinate the locations of the seismic splay wires for their scope of work. Coordinate any special blocking requirements with the Rough Carpentry and/or Finishes Bid Package during the framing sequence at each building. Failure to coordinate our bid package's blocking requirements during the framing sequence will defer responsibility back to you.
- 2.0.117. All Prime Contractors shall be responsible to patch, repair and/or replace all existing hardscape, landscape, irrigation, finishes, materials, fixtures, etc., intended to remain that are damaged by own operations. Prime Contractor to restore all improvements to their existing conditions before work began, including but not limited to hardscape, utilities, irrigation, landscape, sewer, water lines, electrical conduit, etc.
- 2.0.118. All welding required for own work. Welder's Certifications and Procedures must be submitted prior to commencement of welding. Notification and request for inspector required 48 hours prior to commencement with work. No welding will be done in the absence of the inspector.
- 2.0.119. All Prime Contractors shall be responsible for coordination and protection of own work with other trades.
- 2.0.120. All Prime Contractors shall be responsible for coordination and protection of own work with other trades. All damage must be identified and agreed to by participating Prime Contractors at time of occurrence. Construction Manager will not be responsible for any costs other than those caused by Construction Manager, District staff and / or District vendors. Change orders will be processed only if damage is agreed upon with signatures by participating Prime Contractors.
- 2.0.121. All Prime Contractors shall provide protection of adjacent surfaces of own work, including correction/patching adjacent surfaces damaged by own work. Includes floor and wall protection and correction.
- 2.0.122. Promptly notify Construction Manager, in writing of any unsuitable grade/sub-grade conditions. Commencement of work will imply the acceptance of the grade/sub-grade condition.
- 2.0.123. All Prime Contractors who disturbs a finished grade or sub grade while carrying out their work must return that grade to the finished and accepted elevation

TESTING & INSPECTION

- 2.0.124. All Prime Contractors shall provide a minimum of forty-eight (48) hour written notice to the Construction Manager for testing or inspections, excluding weekends and holidays. Prime Contractor to pre-walk all inspection requests and be prepared for each requested inspection.
- 2.0.125. All Prime Contractors shall maximize their labor crews to efficiently plan and coordinate special inspections with the IOR and Construction Manager to effectively utilize inspection time. Each Prime Contractor shall coordinate testing and inspections in accordance with the contract documents. Each Prime Contractor shall be responsible for all costs for re-testing, and re-inspections, should initial tests or inspections fail. Each Prime Contractor shall be responsible for all costs incurred due to late cancellation of inspection and/or testing. Each Prime Contractor shall be responsible for attending all pre-walks and shall complete all required contract work before requesting an inspection. Each Prime Contractor shall be responsible for travel costs of out of area inspections.
- 2.0.126. Testing and inspections as specified to be performed by Prime Contractor. All testing and

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

inspections shall be coordinated with the Construction Manager. A copy of all inspections and/or testing reports shall be submitted to the Construction Manager for record.

- 2.0.127. All Prime Contractors shall inspect all surfaces to receive own work. Promptly notify Construction Manager of any unsuitable substrate conditions. Commencement of installation implies acceptance of all substrate conditions.

CLOSEOUTS & COMMISSIONING

- 2.0.128. All Prime Contractors shall provide closeout documentation as specified within the contract documents, and herein, including warranties, guarantees, operation and maintenance manuals, etc. For each product or system requiring an Operation and Maintenance Manual, Prime Contractor is to provide said manual a maximum of one month after submittal approval of each item received.
- 2.0.129. All Prime Contractors shall be responsible for having all closeout documentation and warranty submitted to the Construction Manager at 75% completion of own work, as a pay precedent for further billings.
- 2.0.130. In addition to the closeout documentation requirements outlined in the contract documents and herein, each Prime Contractor shall be responsible to provide all closeout documents in both digital and paper copy form. For digital closeout manuals, each Prime Contractor shall provide bookmarked PDF files, and comply with the templates that will be provided by the Construction Manager.
- 2.0.131. All Prime Contractors shall be responsible to coordinate, purchase and deliver extra stock, per the Contract Documents and as required by the specifications for own work. Extra Stock must be in new condition, inventoried, labeled, and packaged together with a transmittal clearly defining the extra stock and the specific specification section it applies to shall accompany any delivery. Extra Stock shall be delivered, prior to installation of the said product, to a location as designated by the Construction Manager, which may not be the actual jobsite. If Prime Contractor delivers Extra Stock to the jobsite without authorization by the Construction Manager, then the Prime Contractor shall be required to move the Extra Stock again to a location designated by the Construction Manager.
- 2.0.132. All Prime Contractors shall be responsible to coordinate and provide owner training and instruction for own work as shown on plans or included in specifications, including videotaping of any specified instructional/training sessions. All videotaped training sessions must be recorded so that they are legible, i.e., equipment noise cannot drown out the voices of the trainer. If videotape is deemed unintelligible by Owner, the training session will be re-recorded at the Prime Contractor's sole expense.
- 2.0.133. If required as part of the work, there will be commissioning meetings for MEP trades for the purpose of total building commissioning as well as HVAC commissioning. The Construction Manager, Commissioning Agent, and the District will coordinate these meetings and all parties pertaining to that specific meeting will be in attendance. Expect one meeting per month starting at the beginning of the project with two meetings per month during the last six months.

SITE REQUIREMENTS & SPECIALTIES

- 2.0.134. The Finishes Prime Contractor shall provide for the duration of the project, dumpsters and associated items. See Bid Package for additional information and quantities.
- 2.0.135. All Prime Contractors shall be responsible to coordinate and provide backing drawings to the

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

Construction Manager and all related Prime Contractors related to their own scope of work, prior to the framing sequence noted in the current construction schedule. If these are not identified prior to the commencement of framing the supplier of material needing backing shall install or pay others to install the required backing including all demolition and rework associated. Finishes Prime Contractor is responsible to coordinate, lay out, provide and install all backing requirements which are identified in the Contract Documents, required to complete the project, and for Owner Furnished Owner Installed items, including but not limited to equipment, appurtenances and accessories.

- 2.0.136. All Prime Contractors shall coordinate Owner Furnished Owner Installed (OFOI) or coordinate and install Owner Furnished Contractor Installed (OFCI) items that pertain to or adjacent to their scope of work, in adherence of the project schedule, as indicated within the contract documents.
- 2.0.137. All Prime Contractors shall coordinate, provide, install, maintain and remove all scaffolding required for own scope of work. All scaffolding shall be OSHA compliant at all times. In addition to OSHA standards, all scaffolds must be toe boarded 100% of the time. Prime Contractor shall have a certified scaffolding "Competent Person" on site at all times during scaffold use. The Competent Person must perform daily inspections of all fixed and rolling scaffold. Documentation must be submitted daily.
- 2.0.138. While scaffolding is installed, Prime Contractor shall provide overhead protection (tunnel) at all main access and egress points to the buildings. Coordinate with Construction Manager and all affected Prime Contractors.
- 2.0.139. All Prime Contractors shall be responsible for coordinating, providing and installing own supports, guys, hangers, unistruts, anchoring devices, fasteners, components, accessories, seismic bracing, etc., required to support materials and equipment for their own work, in accordance with applicable building codes, including engineering, if required.
- 2.0.140. All Prime Contractors to coordinate, provide, install and maintain all shoring, as required for own work, including but not limited to engineered systems and plans that have been submitted and approved by the applicable agency including providing a California PE stamp, if required.
- 2.0.141. All Prime Contractors shall have a fire extinguisher within reach at all times during own welding or soldering work.
- 2.0.142. All Prime Contractors shall provide access panels as required for future maintenance of installed work, whether shown in the contract documents or not, including stainless steel access panels, and including in tiled locations. Coordinate with associated framing Prime Contractor for locations and all backing requirements. Final locations are subject to Architect's acceptance. Access panels shall not be laid out between changes of finishes i.e. tile to drywall, brick to metal panel, etc.
- 2.0.143. All Prime Contractors shall provide own concrete washouts for own concrete work. Concrete washouts to be coordinated and located in an area designated by the Construction Manager. Prime Contractors to provide containment and is responsible for removal of all washout debris to a legal, off-site disposal location. Containment must comply with all SWPPP requirements. Repair any damage caused by concrete truck washouts, including cleaning of storm drains and catch basins. Provide signage (4' x 8' minimum) reading "Concrete Washout Area". Prime Contractor to provide water for washouts.
- 2.0.144. All Prime Contractors shall provide a competent person onsite during all concrete pours to monitor own work and ensure components such as, but not limited to sleeves, drains, conduits, pipes, embeds, anchor bolts in concrete are not disturbed and are at the proper elevation and

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG. MODERNIZATION
DIVISION OF WORK AMONG ALL PRIME CONTRACTORS**

configuration.

- 2.0.145. All Prime Contractors shall provide own slurry and thrust blocks required for own work.
- 2.0.146. All Prime Contractor are responsible to coordinate and provide all excavation, dewatering and backfill including concrete/slurry encasement of own work including bedding material, shoring, lagging and spoils removal, as required.
- 2.0.147. All Prime Contractors shall coordinate, provide and install all concrete work associated with or required for own work, unless specifically shown on the plans as cast in place concrete and specifically identified as work to be provided by others.
- 2.0.148. All Prime Contractors shall be aware of the project's finished wall and floor surfaces. The use of permanent layout markings, i.e.; spray paint, lumber pencil and crayon, dyes, concrete nail, wedge anchors, etc., that leave a permanent mark or discoloration on exposed concrete and masonry surfaces shall be strictly prohibited. All equipment with rubber tires used within structures or on site concrete shall be protected from leaving tire or tread marks on finished concrete surfaces. Any corrective actions required to remedy permanent damage or discoloration shall be by the responsible Prime Contractor(s).

END OF DIVISION OF WORK AMONG ALL PRIME CONTRACTORS

BID PACKAGE #01 - DEMOLITION & HAZARDOUS ABATEMENT DIVISION OF WORK

- 2.1 **BID PACKAGE #01 – “DEMOLITION & HAZARDOUS ABATEMENT”** – Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple bid packages for a complete turnkey and operable system at the school sites Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, which shall include, but not be limited to the following;
- 2.1.1. FAEC I As-Built Documents I Attachment O
 - 2.1.2. FAEC I Titan ES I Technical Specifications I Attachment G
 - 2.1.3. FAEC I Titan ES I Hazardous Materials Survey Report & Floor Plan I Attachment H
 - 2.1.4. FAEC I Titan ES I Hazardous Materials Abatement Specifications I Attachment I
 - 2.1.5. FAEC I Ruhnau Clarke Architects | Drawings I Attachment E
 - 2.1.6. FAEC I Ruhnau Clarke Architects | Specifications
 - 2.1.7. FAEC I Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.1.8. FAEC I Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
 - 2.1.9. FAEC I Ruhnau Clarke Architects | Division 02 – Existing Conditions - Complete
 - 2.1.10. GUHSD | Front End Bid & Contract Documents
 - 2.1.11. WHHS I As-Built Documents I Attachment N
 - 2.1.12. WHHS | Group Delta I Hazardous Building Material Abatement Specifications I Attachment J
 - 2.1.13. WHHS | Group Delta I Technical Lead-Related Specifications I Attachment F
 - 2.1.14. WHHS I Ruhnau Clarke Architects | Drawings I Attachment D
 - 2.1.15. WHHS I Ruhnau Clarke Architects | Specifications
 - 2.1.16. WHHS I Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.1.17. WHHS I Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
 - 2.1.18. WHHS I Ruhnau Clarke Architects | Division 02 – Existing Conditions - Complete
 - 2.1.19. FAEC & WHHS | Dumpsters & Site Trash – For Own Work
 - 2.1.20. This Prime Contractor is responsible for coordinating, laying out and providing all equipment and labor required to complete all demolition work for both campuses/projects, complete. Including but not limited to; demolition of interior finishes down to substrate where shown and required for new work, existing slabs on grade and existing site flatwork where shown to demolish and where required for new work, curbs, all above grade demolition, sunroom, landscape removal, drywall removal, ceiling tile and grid removal, door/frame/hardware removal, plaster removal, flooring removal, etc. as required to prepare for new work and as shown and required per Contract Documents. Take extra care in clearly identifying items that are shown to protect in place.
 - 2.1.21. This Prime Contractor is responsible for protecting and maintaining in place the existing ceiling grid at the FAEC as required and shown in contract documents.
 - 2.1.22. This Prime Contractor is responsible for carefully removing all items shown to remove and re-install after upgrades are complete. Coordinate with Finish Carpentry, Finishes, Flooring, Specialties and other Prime Contractors as required to ensure all existing elements shown to remove, protect and reinstall, are removed and/or protected with care and stored in a clean and dry location on site, ready for re-installation. Coordinate with each respective Prime Contractor for turnover of all materials, items, equipment & finishes that are shown to be removed and reinstalled.

BID PACKAGE #01 - DEMOLITION & HAZARDOUS ABATEMENT DIVISION OF WORK

- 2.1.23. At WHHS, BP #06 FINISH CARPENTRY & COUNTERTOPS Prime Contractor is responsible for the removal of the cabinetry shown at Science lab rooms to be removed and re-installed. This Prime Contractor is required to coordinate with BP #06 to ensure the removal and storage of casework and cabinetry, teacher's desk epoxy countertops & backsplash shown to be re-used/re-installed at the West Hills campus is properly coordinated in advance of the demolition efforts. BP #06 FINISH CARPENTRY & COUNTERTOPS is responsible for storage of casework and countertops shown to remove and reinstall. Coordinate with BP #06 as required to ensure no interruptions during the demolition phase. All other demolition of finishes removal, doors, frames & hardware removal, etc. and abatement for both campuses, shall be the responsibility of this Prime Contractor.
- 2.1.24. BP 03 PLUMBING is responsible for the removal of existing plumbing fixtures and equipment shown to be removed and re-installed, including but not limited to laboratory equipment, plumbing fixtures, etc. Coordinate with Plumbing Prime Contractor as required to ensure no interruptions to demolition and abatement activities. All other demolition of finishes removal, doors, frames & hardware removal, etc. and abatement for both campuses, shall be the responsibility of this Prime Contractor.
- 2.1.25. This Prime Contractor is responsible for complete demolition of the existing Green Room/sunroom and associated building elements at the WHHS campus.
- 2.1.26. This Prime Contractor is responsible for removal and disposal of flatwork along the Path of Travel as shown on site at the FAEC campus as well as demolition and removal of materials as shown at the atrium and patio areas.
- 2.1.27. This Prime Contractor is responsible to coordinate with other Prime Contractors as required to ensure all AV Equipment, Projection Screens and Projectors, Fire Extinguishers,
- 2.1.28. This Prime Contractor responsible for coordinating, laying out and providing labor and equipment required for all hazardous abatement removal and remediation efforts, at both campuses, complete, in preparation of the construction of new work, per contract documents. Note FAEC room 23 ceiling.
- 2.1.29. This Prime Contractor is responsible to safe off and remove existing conditions and utilities as required per contract documents, including but not limited to foundations, equipment and utilities, footings, slabs, roof, mechanical equipment, fixtures, finishes, framing, drywall, flooring, etc. for the construction of new work, per contract documents. Dispose of in accordance with cities of El Cajon and Santee and County of San Diego environmental and transportation regulations.
- 2.1.30. This Prime Contractor is responsible for saw cut and demo of slab on grade, foundations and footings as required for new work and as per plans and specifications.
- 2.1.31. This Prime Contractor is responsible for coordinating, laying out, engineering and providing all shoring and bracing necessary to protect existing building elements, utilities and other improvements and excavation against failure, loss of ground or caving embankments.
- 2.1.32. This Prime Contractor responsible for all coordination with other Prime Contractors and Construction Manager/District as required prior to demolition and removal.
- 2.1.33. Repair or Replacement of existing surfaces and / or subgrade after demo to as it was, before it was disturbed.
- 2.1.34. This Prime Contractor is responsible for all sawcut, demo and removal for new, including but not limited to utilities, footings, walls, curbs, stem walls, slab on grades, etc., as shown per plans and outlined within the specifications. This Prime Contractor is responsible to coordinate layout with

BID PACKAGE #01 - DEMOLITION & HAZARDOUS ABATEMENT DIVISION OF WORK

- applicable Prime Contractor(s). Layout to be provided by applicable Prime Contractors.
- 2.1.35. Where items are inadvertently removed by this Prime Contractor that are not shown to be removed or are not required to be removed in order to receive new installation, this Prime Contractor will be responsible for repair, replacement, and/or restoration of removed or damaged items.
- 2.1.36. This Prime Contractor is responsible for any demolition work that may not be indicated for demolition on the contract documents but may be required for the installation of new work as shown the contract documents.
- 2.1.37. This Prime Contractor to review scope of demolition work and coordinate abatement survey and all associated reports and specifications to implement all abatement and hazardous material procedures necessary to complete scope of work in a manner acceptable to regulatory requirements and in a manner that complies with the project schedule.
- 2.1.38. This Prime Contractor has read the hazardous material reports, specifications and recommendations and takes all noted conditions into consideration within their bid.
- 2.1.39. This Prime Contractor to provide all materials, labor and equipment for abatement operations including but not limited to paint, stucco, plaster removal, pipe insulation, flashing mastic, roof penetrations, piping, flooring, etc., per the contract documents and abatement surveys.
- 2.1.40. This Prime Contractor to provide all containment, shower and dressing areas in accordance with Hazardous Material Abatement Regulations and Contract Documents. Air and surface cleaning devices, materials and labor are required under this contract. Properly dispose of all hazardous materials, removed from the building. Hazardous materials must be removed from site no later than 2 days of removal.
- 2.1.41. This Prime Contractor is responsible for all abatement and hazardous removal work that may not be indicated as hazardous in the contract documents but is required to be abated in preparation for the installation of new work as shown the contract documents.
- 2.1.42. This Prime Contractor is responsible to coordinate with all Prime Contractors whose work interfaces with own scope of work, including but not limited to attending coordination meetings and providing submittals, product data, coordination drawings, shop drawings, detailed working drawings, etc., in a timely manner.
- 2.1.43. This Prime Contractor is responsible for coordinating and protecting in place required systems and services to remain operational during construction, including but not limited to data, fire alarm, power, phones, intrusion, water, etc., per the contract documents. Coordinate utility cut, cap and removal with applicable Prime Contractors as described herein.
- 2.1.44. This Prime Contractor is responsible to protect existing interior condition of building during demolition scope.
- 2.1.45. This Prime Contractor shall coordinate with all applicable Prime Contractors to expose all *Above-Ground* Utilities that are required to be saved off, capped off and/or relocated. The Underground Utilities/Plumbing Prime Contractor shall excavate, backfill, cap off and remove/demo their respective underground site utilities. Removal of all *above-ground utilities* shall be provided by this, the Demolition and Hazardous Abatement Prime Contractor.
- 2.1.46. This Prime Contractor is responsible to remove and dispose of all abandoned surface conduits and piping in spaces being improved as shown within project documents. Coordinate with Plumbing Prime Contractor, Electrical Prime Contractor, Construction Manager and District.

BID PACKAGE #01 - DEMOLITION & HAZARDOUS ABATEMENT DIVISION OF WORK

- 2.1.47. This Prime Contractor is responsible to coordinate, demolish and remove all existing plumbing shown to remove (not items shown to remove *and reinstall*, see item 2.1.24 for more information) including but not limited to plumbing fixtures and accessories, drinking fountains, exposed and/or abandoned plumbing, water heaters, sinks, faucets, etc. and all associated work and accessories.
- 2.1.48. This Prime Contractor to coordinate the disconnection, capping and safing off of existing utilities with all applicable Prime Contractors.
- 2.1.49. This Prime Contractor is responsible to coordinate, demolish and remove all existing electrical as shown and require for new work, including but not limited to fixtures, signal boxes, light and light tracks, exposed and/or abandoned conduits, raceways, cabling, electrical devices, outlets, switch plates, wiring, supports, hanger/seismic/display/support wires and all associated work and accessories, not shown to remain or protect in place, per contract documents.
- 2.1.50. This Prime Contractor to coordinate items to remain operational and items that require disconnection, capping and saving off with all applicable Prime Contractors.
- 2.1.51. This Prime Contractor to demolish and remove all existing exhaust fans, ductwork, louvers, exhaust systems, grilles, valves hangers, supports, dampers, controls, wiring, conduit and all associated accessories. HVAC Prime Contractor to disconnect, evacuate refrigerant, cap and safe off. This Prime Contractor to also coordinate with other applicable Prime Contractors as required for proper and safe removal of these and similar items.
- 2.1.52. This Prime Contractor is responsible for salvaging items identified within the bid and contract documents and moving to a storage area, as directed by the Construction Manager. All salvaged items to be inventoried, placed and secured on pallets and protected from the elements. **See item 2.1.23 for specific instructions on casework and cabinetry shown to be re-used / re-installed at the West Hills campus. Coordinate with BP #06 FINISH CARPENTRY & COUNTERTOPS.**
- 2.1.53. Provide and maintain dust control until completion of own scope of work. **Building / campus may be occupied by staff and public at both sites, including children, during construction. Maintaining a clean and dust-free environment is crucial.**
- 2.1.54. All demolished and removed materials must be disposed of offsite to a legal dump site.
- 2.1.55. This Prime Contractor is responsible for all waste removal for own work. This includes proper disposal of hazardous materials. Provide, dump, return and relocate 40-yard bins as required to accommodate the demolition and abatement activities for both projects. Properly seal and dispose of all hazardous materials, including but not limited to chain of custody documentation as required. Coordinate 40-yard dumpster locations and quantity with Construction Manager and work within provided laydown areas at each site. This Contractor to provide all back up tickets, etc. as described herein. Finishes Prime Contractor shall provide dumpsters for all other work.
- 2.1.56. This Prime Contractor shall coordinate and provide excavation for removal of demolished items, re-grade as necessary, including backfill and compaction of holes created by demolition.
- 2.1.57. This Prime Contractor is responsible for providing one qualified laborer for **50 hours for WHHS and 50 hours for FAEC** for general site and building cleanup, safety maintenance, temporary weather protection or for discretionary use as directed by the Construction Manager. All hours to be directed and documented by Construction Manager, with all unused hours credited back, via a deductive change order.

END OF BID PACKAGE

BID PACKAGE #02 – LANDSCAPE & IRRIGATION DIVISION OF WORK

- 2.2 BID PACKAGE #02 “LANDSCAPE & IRRIGATION”** – Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple prime contract bid packages for a complete turnkey and operable system at the school sites Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, including, but not limited to the following;

- 2.2.1. FAEC I As-Built Documents I Attachment O
- 2.2.2. FAEC I Titan ES I Technical Specifications I Attachment G
- 2.2.3. FAEC I Titan ES I Hazardous Materials Survey Report & Floor Plan I Attachment H
- 2.2.4. FAEC I Titan ES I Hazardous Materials Abatement Specifications I Attachment I
- 2.2.5. FAEC I Ruhnau Clarke Architects | Drawings I Attachment E
- 2.2.6. FAEC I Ruhnau Clarke Architects | Specifications
- 2.2.7. FAEC I Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
- 2.2.8. FAEC I Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
- 2.2.9. FAEC I Ruhnau Clarke Architects | 31 23 16.13 - Trenching
- 2.2.10. FAEC I Ruhnau Clarke Architects | 32 84 23 – Irrigation System
- 2.2.11. FAEC I Ruhnau Clarke Architects | 32 93 00 - Planting
- 2.2.12. GUHSD | Front End Bid & Contract Documents

- 2.2.13. This Prime Contractor is responsible for coordinating, laying out, providing and installing all landscaping, planting and irrigation complete, at both projects, including but not limited to planting & irrigation shown at FAEC atrium, trenching, backfill, compaction, recycled water meters, PRVs, backflow preventers and cages, irrigation double check valves, irrigation booster pump, controller system, automatic controllers, piping, fittings, connections, offsets, sleeving, thrust blocks, sprinklers, valves, valve boxes designated with station and control numbers, control wiring, tracer wiring, reclaimed water signage, plant material, bark, stabilized decomposed granite and all miscellaneous and sundry accessories, material and items as required to obtain a complete turnkey and operational system per contract documents.
- 2.2.14. This Prime Contractor is responsible for coordinating and providing own trenching and/or excavations per Contract Documents, including but not limited to the Plans, Specifications and the Geotechnical Investigation required for the installation of own work.
- 2.2.15. This Prime Contractor is responsible for coordinating, providing and installing own dewatering, erosion control, backfill, compaction, and material disposal for own work. All backfill and compaction flush to adjacent existing grades or surfaces per contract documents.
- 2.2.16. This Prime Contractor is responsible for rock removal.
- 2.2.17. This Prime Contractor is responsible for reconnection back to existing irrigation controllers and systems.

BID PACKAGE #02 – LANDSCAPE & IRRIGATION DIVISION OF WORK

- 2.2.18. This Prime Contractor shall coordinate with all applicable Prime Contractors to excavate and expose all Underground Utilities that require to be safed off, capped off and/or relocated. The Underground Utilities/Plumbing Prime Contractor, Electrical Prime Contractor and Grading Prime Contractor shall coordinate with this Prime Contractor and cap off their respective above-ground and underground site utilities. Removal of above-ground utilities shall be provided by the Demolition Prime Contractor, and removal of the underground utilities shall be provided by the Grading Prime Contractor, unless the utility is hazardous, then the removal responsibility becomes the Demolition and Abatement Prime Contractor.
- 2.2.19. This Prime Contractor is responsible for coordinating, laying out, providing and installing all backflow prevention devices at irrigation points of connections including backflow tests, as required. The Underground Utilities/Plumbing Prime Contractor will install two (2) temporary construction water risers for use by all Prime Contractors during construction. The Landscape Prime Contractor shall "TEE" off these two (2) risers to be the Landscape Points of Connection for the main irrigation line. As part of this conversion, the Landscape Prime Contractor will continue to allow the existing risers to be used by all Prime Contractors for construction. Prior to final landscape acceptance, or earlier as agreed to by the Construction Manager, the temporary construction water risers will be cut and capped 24" below grade by the Landscape Prime Contractor.
- 2.2.20. All plant material must be selected at the nursery location, tagged and approved by the District within fifteen (15) days of Notice to Proceed ensure plant materials are available as specified when required onsite.
- 2.2.21. This Prime Contractor is responsible for coordinating, laying out, providing and installing backflow prevention anti-vandal cages, as required by contract documents.
- 2.2.22. This Prime Contracting is responsible for coordinating and providing certification of backflow preventers, as required.
- 2.2.23. This Prime Contractor is responsible for coordinating, laying out, providing and installing all sleeving for irrigation piping and low voltage wiring, including but not limited to sleeving / boring under or through all concrete and/or asphalt surfaces, whether shown on the drawings or not, for a complete and operational system.
- 2.2.24. This Prime Contractor is responsible for coordinating, laying out, providing and installing an extra sleeve at all asphalt or concrete crossings, per District standard.
- 2.2.25. This Prime Contractor is responsible for flushing and adjusting of all the irrigation systems.
- 2.2.26. This Prime Contractor is responsible for coordinating and providing the final connection of electrical power to irrigation controllers. Power supplied to location of controllers by Electrical Prime Contractor.
- 2.2.27. This Prime Contractor is responsible for providing as-built documents, controller charts, maintenance manual, training and tools, as required by contract documents for own work.
- 2.2.28. This Prime Contractor is responsible coordinating, laying out, providing and installing all horticultural soil testing, amendments, soil preparation, root control barriers, stakes, finish grading, mound construction, plants, trees, shrubs, bedding, groundcover, mulch, metal edging, tree staking and other miscellaneous and sundry items, as required to obtain a complete landscape system per the contract documents.

BID PACKAGE #02 – LANDSCAPE & IRRIGATION DIVISION OF WORK

- 2.2.29. This Prime Contractor is responsible for all export of unsuitable materials as identified within the soils report, plans and/or specifications and import of backfill material and/or make soil amendments.
- 2.2.30. This Prime Contractor is responsible for own spoils removal.
- 2.2.31. This Prime Contractor is responsible for coordinating, providing and installing all fine grading after soil amendment process, and to ensure the finish grade has proper drainage. This Prime Contractor to maintain grades and fine grades in completed planter areas.
- 2.2.32. This Prime Contractor is responsible for coordinating, providing and installing planter fill, per contract documents.
- 2.2.33. This Prime Contractor is responsible for coordinating and providing weed abatement and controls, as required by contract documents.
- 2.2.34. This Prime Contractor is responsible for coordinating, laying out, providing and installing all tree drains complete, per contract documents.
- 2.2.35. This Prime Contractor is responsible for coordinating, providing and installing replacement of planting, if necessary, due to faulty installation or premature failure of planting.
- 2.2.36. This Prime Contractor is responsible for coordinating, providing and installing protection and maintenance of own work at both projects, until end of maintenance period and acceptance, per the contract documents.
- 2.2.37. Protect all existing trees & finishes from damage while performing own work. Clean all excess material from surfaces and areas. Repair and replace any damaged trees & surfaces to the satisfaction of the Construction Manager.
- 2.2.38. This Prime Contractor is responsible for the cost of road clean up due to on-site deliveries and parking as pertains to own work and deliveries.
- 2.2.39. This Prime Contractor is responsible for coordinating, providing and maintaining adequate dust control until completion of own scope of work.
- 2.2.40. This Prime Contractor is responsible for repair and replacement of SWPPP control measures disturbed by own operations.
- 2.2.41. This Prime Contractor responsible for all layout, survey and staking as required for own work.
- 2.2.42. This Prime Contractor is responsible for providing one qualified laborer for a total of **0 hours for WHHS** and **24 hours for FAEC** for additional clean up while performing work on site per schedule as directed by Construction Manager. Each Prime Contractor still responsible for cleanup of own work. All hours to be directed and documented by Construction Manager. All unused hours will be credited back, via deductive change order.

END OF BID PACKAGE

BID PACKAGE #03 – PLUMBING & UNDERGROUND UTILITIES DIVISION OF WORK

- 2.3. **BID PACKAGE #03 – “PLUMBING & UNDERGROUND UTILITIES”** – Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple bid packages for a complete turnkey and operable system at the school sites Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, which shall include, but not be limited to the following;
- 2.3.1 FAEC | As-Built Documents | Attachment O
 - 2.3.2 FAEC | Titan ES | Technical Specifications | Attachment G
 - 2.3.3 FAEC | Titan ES | Hazardous Materials Survey Report & Floor Plan | Attachment H
 - 2.3.4 FAEC | Titan ES | Hazardous Materials Abatement Specifications | Attachment I
 - 2.3.5 FAEC | Ruhnau Clarke Architects | Drawings | Attachment E
 - 2.3.6 FAEC | Ruhnau Clarke Architects | Specifications
 - 2.3.7 FAEC | Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.3.8 FAEC | Ruhnau Clarke Architects | 01 00 00 – General Requirements – Complete
 - 2.3.9 FAEC | Ruhnau Clarke Architects | 02 41 00 - Demolition
 - 2.3.10 FAEC | Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
 - 2.3.11 FAEC | Ruhnau Clarke Architects | 08 31 00 - Access Doors and Panels
 - 2.3.12 FAEC | Ruhnau Clarke Architects | Division 22 – Plumbing – Complete
 - 2.3.13 FAEC | Ruhnau Clarke Architects | 31 23 16.13 – Trenching
 - 2.3.14 GUHSD | Front End Bid & Contract Documents
 - 2.3.15 WHHS | As-Built Documents | Attachment N
 - 2.3.16 WHHS | Group Delta | Hazardous Building Material Abatement Specifications | Attachment J
 - 2.3.17 WHHS | Group Delta | Technical Lead-Related Specifications | Attachment F
 - 2.3.18 WHHS | Ruhnau Clarke Architects | Drawings | Attachment D
 - 2.3.19 WHHS | Ruhnau Clarke Architects | Specifications
 - 2.3.20 WHHS | Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.3.21 WHHS | Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
 - 2.3.22 WHHS | Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
 - 2.3.23 WHHS | Ruhnau Clarke Architects | 08 31 00 - Access Doors and Panels
 - 2.3.24 WHHS | Ruhnau Clarke Architects | Division 22 – Plumbing – Complete
 - 2.3.25 FAEC & WHHS | Temporary Site Water
 - 2.3.26 This Prime Contractor is responsible for coordinating, laying out, providing and installing all underground utilities and plumbing complete, including but not limited to water utilities, sanitary sewer, condensate piping, sleeves, escutcheons, meters, gages, hangers, supports, vibration and seismic controls, identification, piping insulation, domestic water, piping, pumps, sanitary waste and vent, fixtures, toilets, urinals, lavatories, sinks, roof drains (including reconnection of existing), trap primers, water hammer arresters, hose bibs and all necessary accessories and sundry items required for a complete and operable system, valves, unions, vents, etc. per contract documents.

BID PACKAGE #03 – PLUMBING & UNDERGROUND UTILITIES DIVISION OF WORK

- 2.3.27 This Prime Contractor is responsible for coordinating, laying out, providing and installing all plumbing fixtures including but not limited to sink assemblies, lavatories, drinking fountains, water heaters (including relocation of existing water heaters), floor sinks, faucets, floor drains, flush valves, hose bibs, overflow drains, recirculating pumps, urinals, water closets and all necessary accessories and sundry items required for a complete and operable system, per contract documents.
- 2.3.28 This Prime Contractor is responsible for **removing, storing & reinstalling** all plumbing fixtures, appliances and equipment shown to remove and *reinstall* after improvements are complete, including but not limited to urinals, water closets, sinks, water heaters, etc. Coordinate this activity to occur before the Demolition Prime Contractor starts their work. This Prime Contractor responsible for keeping items shown to reinstall in a secured, clean and dry storage area located on site.
- 2.3.29 This Prime Contractor responsible for coordinating, laying out, providing and installing all laboratory equipment noted in WHHS keynotes as “22.xxx”, including but not limited to laboratory station sink w/ faucet, glass washer, accessible sink w/ faucet, gas/air turret, accessible eye wash/face wash/shower equipment and reinstallation of existing laboratory equipment if shown to relocate. Ensure all items are fully functioning and complete.
- 2.3.30 This Prime Contractor is responsible to connect to building plumbing systems, equipment requiring water connection. This includes but is not limited to refrigerator, glass washer, ice machine, and other items shown as CFCI, OFCI and existing to relocate, that requires water connection to properly function.
- 2.3.31 This Prime Contractor is responsible for coordinating and protecting all existing utilities scheduled to remain. Take appropriate precautions when performing work in areas of existing utilities. Any damage done to known utilities will be repaired by this Plumbing Prime Contractor, at no cost to the project.
- 2.3.32 This Prime Contractor is obligated to test all existing lines supply, return and waste lines at both projects to confirm fully functional before connecting new pipe and systems to existing. See 2.3.55 and 2.3.57 for additional requirements.
- 2.3.33 This Prime Contractor is responsible for coordinating, laying out, engineering, providing and installing all shoring, and bracing necessary to protect existing buildings, stem walls, foundations. streets, walkways, sidewalks, utilities and other improvements and excavation against loss of ground or caving embankments.
- 2.3.34 This Prime Contractor is responsible for providing dewatering measures for duration of underground work. It should be assumed that water will be encountered during even shallow underground activities. Full responsibility to properly divert water, complying with all SWPPP and City Regulations, belongs to this Prime Contractor. All water to be diverted outside of interior spaces. Interior finishes shall all remain protected from water or damage associated with this activity.
- 2.3.35 This Prime Contractor is responsible for coordinating, laying out, providing and installing building water distribution piping, all plumbing fixtures, equipment and all necessary accessories and sundry items required for a complete and operable building plumbing system per the contract documents.

BID PACKAGE #03 – PLUMBING & UNDERGROUND UTILITIES DIVISION OF WORK

- 2.3.36 This Prime Contractor is responsible for coordinating, laying out, providing, installing, protecting, maintaining construction water for all project phases including but not limited to providing and removing one (1) temporary site water risers at each site for use by all Prime Contractors during construction. This Prime Contractor is responsible to provide, install and maintain one connection to the existing domestic water system, at each site and backflow assembly for use by all Prime Contractors during construction.
- 2.3.37 This Prime Contractor is responsible for coordinating, laying out, providing and installing the domestic water system complete, including but not limited to piping, tracer wire, valves, fittings, thrust blocks, marker tape, valve boxes, junction chambers, back flow preventers and cages, concrete pads and all necessary accessories and sundry items required for a complete and operable system, per contract documents, including but not limited plans, specifications, soils report, etc.
- 2.3.38 This Prime Contractor is responsible for coordinating, providing and installing j-clamps at all sinks, with a sealant between the sink and the countertop.
- 2.3.39 This Prime Contractor is responsible to coordinate and provide chlorination or sterilization of water systems as required, including certification.
- 2.3.40 This Prime Contractor is responsible for coordinating, providing and installing all excavation, dewatering, shoring, bedding material, backfill and compaction for own work, per contract documents. Subgrade final compaction elevation shall be coordinated with Concrete Prime Contractor.
- 2.3.41 This Prime Contractor is responsible to provide insulation of own work.
- 2.3.42 This Prime Contractor is responsible for coordinating, laying out, providing and installing sanitary sewer system complete including but not limited to all waste system, piping, cleanouts, boxes, appurtenances, connecting to existing city system, and all necessary accessories and sundry items required for a complete and operable system, per contract documents, including but not limited to plans, specifications and soils report, etc.
- 2.3.43 This Prime Contractor responsible for all layout, survey and staking as required for own work.
- 2.3.44 This Prime Contractor is responsible for returning all areas previously graded back to its original state after underground utilities have been installed. This Prime Contractor responsible for rock removal, for own work.
- 2.3.45 This Prime Contractor is responsible to provide import backfill material, if required due to unsuitability of onsite materials or not enough material to meet grade.
- 2.3.46 This Prime Contractor is responsible for coordinating, laying out, providing and installing all miscellaneous metal and hardware (i.e., grates, frames, covers, ladder rungs, etc.), as required for own work.
- 2.3.47 This Prime Contractor is responsible for immediately removing their own spoils. Stockpiles will not be allowed unless otherwise authorized by the Construction Manager and/or required for follow-on work. This Prime Contractor is responsible for tarp or heavy polyethylene and sandbags covering stockpile spoils while it is being generated, and maintenance of same, as required by SWPPP compliance regulation (if stockpiling indoors is authorized by the Construction Manager) and shall be stored in such a manner that all interior conditions are protected and kept free from dirt, dust, debris, until removal of spoils.
- 2.3.48 This Prime Contractor to remove and immediately dispose of spoils from site, including their tarp, heavy polyethylene, sandbags and hay bales, that was utilized to cover own stockpiled soils, as coordinated and directed by the Construction Manager. Site is tight, stock piles will not be allowed.

BID PACKAGE #03 – PLUMBING & UNDERGROUND UTILITIES DIVISION OF WORK

- 2.3.49 This Prime Contractor is responsible for coordinating, laying out, providing and installing slurry at underground plumbing utilities that cross under footings per structural details. Coordinate the bottom of footing elevation with Concrete Prime Contractor.
- 2.3.50 This Prime Contractor is responsible for coordinating, laying out, providing and installing all concrete associated with own work, if not shown as new in contract documents (if shown as new concrete, responsibility remains with BP #4 CONCRETE) including but not limited to precast, cast-in-place, reinforcing, manholes, cleanouts, encasements, thrust blocks, etc. Includes patch back for walkways, flatwork, etc.
- 2.3.51 This Prime Contractor is responsible for dust control during own operations.
- 2.3.52 In the event of inclement weather forecasts, this Prime Contractor is responsible for coordinating, providing, installing, maintaining and removing temporary rain protection due to own work, such as visqueen, to protect finishes below. This Prime Contractor shall ensure there is no ponding and water drains off roof.
- 2.3.53 This Prime Contractor is responsible to provide all pressure tests, cross connection tests, purging, analyzing, and test reports of systems as required.
- 2.3.54 All underground utilities shall be installed and tested prior to finish work.
- 2.3.55 This Prime Contractor is responsible to provide all flushing, testing, chlorination, inspection, balancing and maintenance of own work until Owner acceptance.
- 2.3.56 This Prime Contractor is responsible to provide and install joint sealants, fire sealants, sleeves, sleeve seals, escutcheons, beauty rings, flashing, meters and gages, valves, seismic anchorage, bracing, vibration isolation, embeds, inserts, anchors, sleepers, hangers, supports, and backing plates for own work as required.
- 2.3.57 **This Prime Contractor is responsible for jetting of all sewer lines prior to start of work to confirm system is fully functioning before beginning improvements and shall jet all sewer lines again at end of project.** Pressure jetting to be from each input on site to point of connection at street. Jetting of sewer system will also include branch lines from all bathrooms and all main trunk lines inside the building. After jetting is complete, lines are to be videoed with a camera with copy of video turned over to district. The Construction Manager to be notified 48 hours in advance of any jetting and / or video activity.
- 2.3.58 This Prime Contractor is responsible for reconnecting any condensate drain systems disconnected as part of the work and ensuring reconnections are tested and confirmed fully functioning.
- 2.3.59 This Prime Contractor is responsible for connecting laboratory equipment shown as CFCL, under Division 11, and existing or Owner Furnished appliances, to building water supply, as required.
- 2.3.60 This Prime Contractor is responsible for coordinating, laying out, providing and installing blocking required to support own work.
- 2.3.61 This Prime Contractor is responsible for coordinating, laying out, providing and installing sealants, caulking, and fire stopping at own penetrations. Provide caulking at all dissimilar materials.
- 2.3.62 This Prime Contractor is responsible for coordinating, laying out, providing and installing fire stopping associated with own work. All Fire Stopping shall be "RED" in color for identification purposes. As a part of the submittal process, this Prime Contractor shall provide UL details for all penetrations, for own work. If a UL detail is not available for a specific penetration related to this Prime Contractor's work, it will be this Prime Contractor's responsibility to have an evaluation and prescription provided for all special penetrations.
- 2.3.63 This Prime Contractor is responsible to provide and install identification of own work as required.

BID PACKAGE #03 – PLUMBING & UNDERGROUND UTILITIES DIVISION OF WORK

- 2.3.64 This Prime Contractor is responsible for coordinating, laying out, providing and installing own access doors and panels, as required per code whether shown on the contract drawings or not, and is responsible for coordinating and providing other Prime Contractors with coordination drawings, rough-in drawings and detailed working drawing for coordination, layout and rough-in requirements.
- 2.3.65 This Prime Contractor is responsible to provide and install own sleeving and blockouts at wall, and floor penetrations and mechanical sleeve seals for own work. Coordinate with Concrete, Finishes and Rough Carpentry Prime Contractors as required.
- 2.3.66 This Prime Contractor is responsible to provide a competent person onsite during all concrete pours to monitor own work and ensure components in concrete are not disturbed and are at proper elevation and configuration.
- 2.3.67 This Prime Contractor is responsible to provide coring, cutting and drilling for own penetrations in any surface should Prime Contractor fail to install sleeves or block-outs or fail to layout in advance.
- 2.3.68 This Prime Contractor shall excavate, backfill, cap off and remove/demo its respective underground utilities. Removal of above-ground utilities shall be provided by the Demolition Prime Contractor after being capped and safed off by this Prime Contractor.
- 2.3.69 This Prime Contractor shall coordinate with all applicable Prime Contractors, including the Demolition Prime Contractor to expose all Above-Ground Utilities that are required to be safed off, capped off and/or relocated for this plumbing scope of work.
- 2.3.70 This Prime Contractor is responsible to provide and install flashing, caulking and sheet metal associated with own work. This Prime Contractor is responsible to provide and install dissimilar material and corrosion protection.
- 2.3.71 This Prime Contractor is responsible coordinate and provide final water temperature adjustments, prior to completion of work, to ensure equipment is set to specified water temperature requirements. In the absence of a requirement, this Prime Contractor shall submit an RFI.
- 2.3.72 This Prime Contractor is responsible to provide operational testing and instruction to Owner's personnel. Submit certificate of compliance signed by Owner's representative to Construction Manager upon completion of instruction for each site.
- 2.3.73 This Prime Contractor is responsible for providing one qualified laborer for a total of **20 hours for WHHS and 20 hours for FAEC** for additional clean up while performing work on site per schedule as directed by Construction Manager. Each Prime Contractor still responsible for cleanup of own work. All hours to be directed and documented by Construction Manager. All unused hours will be credited back, via deductive change order.
- 2.3.74 This Prime Contractor shall coordinate their Work above ceiling, in chases, under slab, and in wall systems with the Work of other trades to insure proper space utilization and conformance with the requirements of the Contract Documents. Conflicts arising from this Prime Contractor's failure to coordinate will be the responsibility of this Prime Contractor to resolve. All applicable Prime Contractor's shall jointly prepare, with HVAC and Plumbing, Electrical, Framing, and all other pertinent Prime Contractors to overlay drawings indicating the vertical and horizontal routing of pipes, bracing and accessories so as to avoid any conflicts. All applicable Prime Contractor's, including but not limited to Mechanical HVAC, Electrical, Plumbing, will be responsible for attending weekly and or bi-weekly MEP coordination and/or BIM meetings. This Prime Contractor understands that the coordination and/or BIM meetings may begin prior to mobilization on site.

END OF BID PACKAGE

BID PACKAGE #04 – CONCRETE, SITE FURNISHINGS, SITE WORK, STRIPING DIVISION OF WORK

- 2.4. **BID PACKAGE #04 – “CONCRETE AND SITE FURNISHINGS”** – Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple bid packages for a complete turnkey and operable system at the school site Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, which shall include, but not be limited to the following;
- 2.4.1. FAEC | As-Built Documents | Attachment O
 - 2.4.2. FAEC | Titan ES | Technical Specifications | Attachment G
 - 2.4.3. FAEC | Titan ES | Hazardous Materials Survey Report & Floor Plan | Attachment H
 - 2.4.4. FAEC | Titan ES | Hazardous Materials Abatement Specifications | Attachment I
 - 2.4.5. FAEC | Ruhnau Clarke Architects | Drawings | Attachment E
 - 2.4.6. FAEC | Ruhnau Clarke Architects | Specifications
 - 2.4.7. FAEC | Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.4.8. FAEC | Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
 - 2.4.9. FAEC | Ruhnau Clarke Architects | Division 03 – Concrete - Complete
 - 2.4.10. FAEC | Ruhnau Clarke Architects | 05 05 19 - Post-Installed Concrete Anchors
 - 2.4.11. FAEC | Ruhnau Clarke Architects | 05 50 00 - Metal Fabrications
 - 2.4.12. FAEC | Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
 - 2.4.13. FAEC | Ruhnau Clarke Architects | 10 14 53 – Traffic, Parking and Site Signage
 - 2.4.14. FAEC | Ruhnau Clarke Architects | 13 31 33.10 - Single Post Fabric Shade Structure
 - 2.4.15. FAEC | Ruhnau Clarke Architects | 31 23 16.13 – Trenching
 - 2.4.16. FAEC | Ruhnau Clarke Architects | 32 12 16 – Asphalt Paving
 - 2.4.17. FAEC | Ruhnau Clarke Architects | 32 13 13 - Concrete Paving
 - 2.4.18. FAEC | Ruhnau Clarke Architects | 32 17 13 – Parking Bumpers
 - 2.4.19. FAEC | Ruhnau Clarke Architects | 32 17 23.13 – Painted Pavement Markings
 - 2.4.20. FAEC | Ruhnau Clarke Architects | 32 17 26 – Tactile Warning Surfacing
 - 2.4.21. FAEC | Ruhnau Clarke Architects | 32 31 19 – Decorative Metal Fence and Gates
 - 2.4.22. GUHSD | Front End Bid & Contract Documents
 - 2.4.23. WHHS | As-Built Documents | Attachment N
 - 2.4.24. WHHS | Group Delta | Hazardous Building Material Abatement Specifications | Attachment J
 - 2.4.25. WHHS | Group Delta | Technical Lead-Related Specifications | Attachment F
 - 2.4.26. WHHS | Ruhnau Clarke Architects | Drawings | Attachment D
 - 2.4.27. WHHS | Ruhnau Clarke Architects | Specifications
 - 2.4.28. WHHS | Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.4.29. WHHS | Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
 - 2.4.30. WHHS | Ruhnau Clarke Architects | Division 03 – Concrete – Complete
 - 2.4.31. WHHS | Ruhnau Clarke Architects | 05 05 19 - Post-Installed Concrete Anchors
 - 2.4.32. WHHS | Ruhnau Clarke Architects | 07 92 00 – Joint Sealants – As applies
 - 2.4.33. WHHS | Ruhnau Clarke Architects | Division 32 – Exterior Improvements – Complete
 - 2.4.34. FAEC & WHHS | Temporary Site Fencing & Gates

BID PACKAGE #04 – CONCRETE, SITE FURNISHINGS, SITE WORK, STRIPING DIVISION OF WORK

- 2.4.35. FAEC & WHHS | Site SWPPP BMPs
- 2.4.36. This Prime Contractor is responsible for laying out, providing and installing all concrete and associated accessories, appurtenances and sundry items to meet design and code requirements for all concrete, structural concrete, flatwork, curbs, slab on grade, depressed slabs, site light pole and/or shade structure bases, etc. at both projects, including but not limited to formwork, base, aggregate and granular fill, moisture plastic vapor and other vapor barriers as specified, underlayment, concrete reinforcement, thickened edges, dowels, expansions, control and construction joints, joint fillers, concrete vibration, finishing, curing as specified and grind and application of sealer, etc., as required by contract documents.
- 2.4.37. This Prime Contractor is responsible for replacing existing flatwork along the path of travel where indicated to achieve ADA compliance. Coordinate removal of existing flatwork with the Demolition Prime Contractor.
- 2.4.38. This Prime Contractor to comply with concrete tolerances per Contract Documents. Concrete expansion joints tooled or saw cut that causes “slab curl” will be this Prime Contractor’s responsibility to correct. This Prime Contractor responsible to meet all path of travel requirements, cross slopes, etc. for walkways.
- 2.4.39. This Prime Contractor is responsible for laying out, providing and installing all reinforcing steel, mesh, dowels, pile cap reinforcement, curb dowels, cages, etc., as required for concrete work complete, including welding if required, blocking, etc. Provide certified mill test reports as required for all rebar. Provide certified mill test reports as required for all rebar.
- 2.4.40. This Prime Contractor is responsible for layout, coordination, providing and installing of all permanent chain link fencing and gates, including but not limited to all footings, posts, latches, and other appurtenances as required for a completed, functional and accessible gate and fencing system.
- 2.4.41. This Prime Contractor is responsible for layout, coordination, providing and installing of all permanent decorative metal fence and gates, including but not limited to all footings, posts, latches, and other appurtenances as required for a completed, functional and accessible decorative gate and fencing system.
- 2.4.42. This Prime Contractor is responsible for layout, coordination, providing and installing of all asphalt, including but not limited to excavation, sub grade prep, finish grade, base, compaction, geogrid, asphalt sealer, tack coat, flood test, etc. as required for a complete and compliant installation.
- 2.4.43. This Prime Contractor is responsible for layout, coordination, providing and installing of all painted pavement markings, including but not limited to all stencils, accessibility symbols, sand, seal and other item as required for a complete installation.
- 2.4.44. This Prime Contractor is responsible for layout, coordination, providing and installing of all parking bumpers, complete.
- 2.4.45. This Prime Contractor is responsible to layout, coordinate, provide and install the site shade structure system complete. Including footings, screening, posts, anchor bolts, etc. as required for a complete stand-alone installation. See USA-Shade & Fabric Structures DSA P.C. 04-117140 plan sheet in the FAEC DSA Approved set.
- 2.4.46. This Prime Contractor is responsible for dewatering.

BID PACKAGE #04 – CONCRETE, SITE FURNISHINGS, SITE WORK, STRIPING DIVISION OF WORK

- 2.4.47. This Prime Contractor will be responsible for **providing, installing and removing all temporary fencing for the duration of both projects. See Site Logistics Plans for the required quantity of and location of fencing; bidder can assume at least 1,000 LF of temp fencing is required to secure the FAEC project and can assume at least 1,500 LF of temp fencing is required to secure the WHHS project.** Prime Contractor to include 200 LF of additional fencing for each project, to be utilized as directed by the Construction Manager, for either project. See additional requirements outlined in 2.4.75.
- 2.4.48. This Prime Contractor is responsible for concrete tolerance not to exceed 1/8" in 10' in any direction, or per specified tolerance requirements, whichever noted tolerance is stricter. This includes the requirement of this Contractor to meet finish flooring tolerances noted within Contract Documents, which may be more stringent than the tolerance noted here. Repair or replacement of any concrete work that does not meet specified tolerances is the responsibility of this Prime Contractor.
- 2.4.49. This Prime Contractor is responsible for coordinating, providing and installing all finished concrete to elevations required to meet floor level requirements and finish product tolerances as outlined within contract documents and submittals, including but not limited to at doorways, floor drains, flooring, etc. This Prime Contractor is responsible to coordinate with other Prime Contractors, their submittals, etc. as required to ensure final condition meets the most stringent tolerances. Failure to coordinate, and any costs associated with the removal and replacement of said work shall be borne by this Prime Contractor including any leveling, grinding or other methods utilized to achieve required finish flooring level tolerances.
- 2.4.50. This Prime Contractor is responsible for layout, coordination and installation of all items embedded in concrete at all rooms, including but not limited to templates, anchor plates, anchor bolts, hold down bolts, etc. This Prime Contractor shall coordinate with the Rough Carpentry Prime Contractor, Finishes Prime Contractor, Finish Carpentry and all other respective Prime Contractors to ensure placement of all embedded items and plumbing curbs are placed correctly per the provided shop drawings and contract drawings. **Concrete Prime Contractor shall notify each respective Prime Contractor a minimum of (2) two working days prior to needing them on site, and allow time for any needed corrections prior to concrete placement.** Any metal sleeve embedded in concrete shall be hot dipped galvanized whether shown as such or not. This Prime Contractor is responsible to Strip and clean-up of anchor bolts and templates. This Prime Contractor is responsible for wash out, containment and floor protection to existing conditions.
- 2.4.51. This Prime Contractor is responsible for coordinating, receiving unloading on site, storing, laying out, and installing structural embeds that are required to be installed into concrete. Structural Embeds to be provided by all contractors FOB as required for accurate and complete installations to include but limited to plumbing, electrical, rough carpentry, tile etc. and received by this Prime Contractor.
- 2.4.52. This Prime Contractor is responsible for Below-Grade Vapor Retarders including but not limited to, seam tape, pipe collars, pipe boots, etc. as required for a complete system. Above-grade is the responsibility of the Finished Prime Contractor. Remedial Treatments shall be the responsibility of the Flooring Prime Contractor.
- 2.4.53. This Prime Contractor is responsible for all excavation, drilling, export, dewatering, compaction and backfill of own work complete.
- 2.4.54. This Prime Contractor is responsible for coordinating, laying out, engineering and providing all shoring and bracing necessary to protect existing buildings, utilities and other improvements and excavation against failure, loss of ground or caving embankments.

BID PACKAGE #04 – CONCRETE, SITE FURNISHINGS, SITE WORK, STRIPING DIVISION OF WORK

- 2.4.55. This Prime Contractor is responsible for coordinating, laying out, forming and pouring of all depressed slab areas complete, per contract documents. Coordinate with Demolition, Flooring and Finishes Prime Contractors and others, as applicable for all depressed slab areas.
- 2.4.56. This Prime Contractor is responsible for all fine grading from +/- 1" for own work including sand and class II base as required for own work.
- 2.4.57. This Prime Contractor is responsible for laying out, supplying, placing and finishing all site finishes including but not limited to truncated domes, wheel stops (re-install of existing), ADA striping, signage (metal post, sign, core drill and concrete to install sign), traffic entry warning signage, parking stall signage, fire lane signage, fire safety signage, and other site signage complete as outlined on contract documents.
- 2.4.58. The Concrete Prime Contractor is responsible for coordinating and installing all embedded items into site concrete, including but not limited to site signage and associated post/pole, including coring, etc. Post to be furnished and installed by this Prime Contractor. **There is no miscellaneous Steel Prime Contractor included in this project.**
- 2.4.59. Comply with all applicable ADA standards. If a discrepancy exists with ADA over any elevation given on the contract documents, immediately bring to the Construction Manager's attention before installation proceeds. Failure to do so may require removal and replacement of said work, at no cost to the owner.
- 2.4.60. This Prime Contractor is responsible for coordinating, laying out, providing and installing detectable warning tiles complete, including but not limited to depressions, saw-cutting and/or other preparatory work, per contract documents.
- 2.4.61. This Prime Contractor is responsible for repairing existing concrete, curbs, etc., damaged by own operations.
- 2.4.62. This Prime Contractor is responsible for providing and installing concrete joint sealants and caulking, including but not limited to sand, protection, removal of cap, clean up, etc., for own work complete.
- 2.4.63. This Prime Contractor is responsible for protecting surrounding finishes from concrete splatter prior to pour. Remove protection after concrete pour is complete and cured.
- 2.4.64. Embedded nailers required for other trades are the responsibility of this Prime Contractor to provide and install.
- 2.4.65. Install flashings and miscellaneous metal items, provided by others, that are integral with concrete systems.
- 2.4.66. This Prime Contractor is responsible for establishing proper elevation for layout of weep screeds, including snapping of lines prior to the installation of all weep screeds. This Prime Contractor to ensure that proper elevation is maintained with relationship to adjoining concrete, asphalt and landscaping. Note: Finishes Bid Package to provide and install weep screeds.
- 2.4.67. This Prime Contractor is responsible for keeping all areas performing work in a broom cleaned condition, all lumber materials will be stacked neatly at all times and in its designated area, all concrete spoils must be removed within 12 hours. Building will be partially occupied by staff and public, including children. Maintaining a clean and dust-free environment is crucial.
- 2.4.68. Structural slabs on grade to receive floor finishes (carpet, VCT, etc.) shall not have water to cement ratio exceeding 0.50 or 5.0lbs/1000 s.f. or as listed in the project specifications, whichever is most stringent. Review and meet water content allowable per finishes specifications in consideration of all flooring tolerances as defined in the contract documents. This Contractor shall assume water content will exceed allowable thresholds and shall assume mitigation measures will be required prior to flooring installations. This applies to both tile and carpet finishes.

BID PACKAGE #04 – CONCRETE, SITE FURNISHINGS, SITE WORK, STRIPING DIVISION OF WORK

- 2.4.69. This Prime Contractor is responsible for furnishing, installing, maintaining, and removing temporary impalement guards on all stakes, anchor bolts and rebar of own work.
- 2.4.70. This Prime Contractor is responsible for the cost of road clean up due to on-site deliveries and parking as pertains to own work.
- 2.4.71. Each Prime Contractor is responsible for dust control during their own scope of work operations. Building will be partially occupied by staff and public, including children. Maintaining a clean and dust-free environment is crucial.
- 2.4.72. This Prime Contractor is responsible to divert and remove water generated from own operations, including all dewatering efforts at areas included as part of own work activities.
- 2.4.73. This Prime Contractor is responsible for providing and maintaining a concrete wash out bin for own work. Coordinate location with the Construction Manager. Washout into a dumpster without adequate leak protection is prohibited and in such case that the concrete washout leaks onto the ground, this Prime Contractor shall be responsible for the cost of remediation. Washout onto the ground is prohibited. This Prime Contractor is responsible for removal of washout debris to a legal dumpsite offsite.
- 2.4.74. This Prime Contractor is responsible for immediately removing their own spoils. Stockpiles will not be allowed unless otherwise authorized by the Construction Manager and/or required for follow-on work. This Prime Contractor is responsible for tarp or heavy polyethylene and sandbags covering stockpile spoils while it is being generated, and maintenance of same, as required by SWPPP compliance regulation and shall (if stockpiling indoors is authorized by the Construction Manager) be stored in such a manner that all interior conditions are protected and kept free from dirt, dust, debris, until removal of spoils.
- 2.4.75. This Prime Contractor is responsible for coordinating, laying out, providing, installing and maintaining per site logistics, at both campuses, temporary perimeter fencing with blue fabric, pedestrian gates, equipment gates, fire lane access and gates, combination locks for every gate and access point, T-Stands secured with gravel bags, and all ancillary items required for temporary fencing needs for the duration of both projects. Assume a combination of post driven and t-stands will be used for temporary fencing. For post driven installation, review of existing conditions, dig alert, and other measures shall be utilized to ensure utility strikes are prevented. Any cost associated with repair of utilities or structures hit during temporary fencing installation is the responsibility of this Prime Contractor. Assume post driven installation will be required for half of the temporary fencing required for the project, t-stands to be assumed for the other half. Figure installation of temporary fence, five (5) days prior to Construction Start Date for each campus. Include 200 LF of additional fencing, **for each campus**, with blue fabric to be used as directed by Construction Manager. Cost of unused LF to be credited back to the Construction Manager. Any additional fencing will be the responsibility of the requesting Prime Contractor for cost, maintenance and repair. Maintenance and repair of damage to fence will be the cost of applicable Prime Contractor.
- 2.4.76. This Prime Contractor is responsible for concrete patch back of post-driven temporary fencing and temporary office foundation ties/anchors for Construction Manager, Program Manager and IOR offices installed in existing and or new concrete and asphalt areas. Review site logistics plan for project layout.

BID PACKAGE #04 – CONCRETE, SITE FURNISHINGS, SITE WORK, STRIPING DIVISION OF WORK

- 2.4.77. This Prime Contractor shall receive from other Prime Contractors items to be installed in own work, as well as approved setting plans. This Prime Contractor will be responsible for all templates, layout, and engineering required for this Prime Contractor's installation in designated locations of other Prime Contractor's embedded items in the work of this Prime Contractor. Includes, but is not limited to, cane bolt receivers, flagpole sleeves, guardrail sleeves, bollards, grate frames, manhole cover fringes, grates, etc.
- 2.4.78. This Prime Contractor is responsible for block outs as required by contract documents, and for the work of other Prime Contractors, as well as the coordination of the same.
- 2.4.79. This Prime Contractor shall provide holes drilled in own formwork for other Prime Contractor's penetrations (sleeves, etc.). Layout to be provided by other Prime Contractor's requiring penetration.
- 2.4.80. This Prime Contractor shall monitor all formwork during concrete placement and provide immediate corrective measures required by form deflection, leakage, etc.
- 2.4.81. This Prime Contractor shall remove any nails, wires, etc., which remain in the concrete after removal of formwork and which may generate rust or stains on exposed concrete surfaces. If necessary, grind out embedded item sufficiently beyond face of exposed concrete and patch with suitable material.
- 2.4.82. This Prime Contractor shall protect all precast and miscellaneous metal embeds, fasteners, drains, etc. prior to concrete placement; include cleaning of items if required after concrete placement. Cost to replace said items if damaged during concrete placement will be the responsibility of this Prime Contractor.
- 2.4.83. This Prime Contractor shall coordinate all finished concrete elevations at doors/openings/entrances with the requirements of each opening's respective threshold requirements.
- 2.4.84. This Prime Contractor shall coordinate, provide and install all grouting required on top of own work.
- 2.4.85. This Prime Contractor is responsible for cleaning as required of any materials scheduled to receive paint or other finishes.
- 2.4.86. This Prime Contractor is responsible for providing one qualified laborer for a total of **24 hours for WHHS and 24 hours for FAEC** for general site and building cleanup, safety maintenance, temporary weather protection or for discretionary use as directed by the Construction Manager. All hours to be directed and documented by Construction Manager, with all unused hours credited back, via a deductive change order.
- 2.4.87. This Prime Contractor is responsible for implementation, maintenance, inspection and monitoring the Storm Water Pollution Prevention Plan (SWPPP) and/or erosion control measures required for the purpose of preventing the discharge of pollutants from both construction sites throughout the duration of each project. There is no SWPPP plan provided by the consultants, so this Prime Contractor is responsible for implementing BMPs where it believes required to achieve the above noted intent. Implementation and maintenance of standard BMPs and SWPPP measures to include weekly street sweeping, sandbags, gravel bags, wattles, swales, silt fence, plastic sheeting, cleaning of catch basins and piping, etc. as required for maintenance and a complete system in compliance with all Federal, State and Local requirements, for both projects.
- 2.4.88. At the end of the project, this Prime Contractor shall be responsible for removal of all temporary SWPPP and BMP measures and cleaning of disturbed areas, per applicable standards.

END OF BID PACKAGE

BID PACKAGE #05 – ROUGH CARPENTRY DIVISION OF WORK

- 2.5. **BID PACKAGE #05 – “ROUGH CARPENTRY”** – Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple bid packages for a complete turnkey and operable system at the school site Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, which shall include, but not be limited to the following;
- 2.5.1. GUHSD | Front End Bid & Contract Documents
 - 2.5.2. WHHS | As-Built Documents | Attachment N
 - 2.5.3. WHHS | Group Delta | Hazardous Building Material Abatement Specifications | Attachment J
 - 2.5.4. WHHS | Group Delta | Technical Lead-Related Specifications | Attachment F
 - 2.5.5. WHHS | Ruhnau Clarke Architects | Drawings | Attachment D
 - 2.5.6. WHHS | Ruhnau Clarke Architects | Specifications
 - 2.5.7. WHHS | Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.5.8. WHHS | Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
 - 2.5.9. WHHS | Ruhnau Clarke Architects | 05 05 19 - Post-Installed Concrete Anchors
 - 2.5.10. WHHS | Ruhnau Clarke Architects | 06 05 73 - Wood Treatment
 - 2.5.11. WHHS | Ruhnau Clarke Architects | 06 10 00 - Rough Carpentry
 - 2.5.12. WHHS | Ruhnau Clarke Architects | 07 01 50.20 - Roofing Restoration Patch and Repair
 - 2.5.13. WHHS | Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
 - 2.5.14. WHHS | Ruhnau Clarke Architects | 08 31 00 – Access Doors and Panels
 - 2.5.15. This Prime Contractor is responsible for the provision and installation of materials as specified in, but not limited to the rough carpentry section of the specifications, and as shown on the plan documents.
 - 2.5.16. This Prime Contractor shall coordinate and provide fall protection for all employees when working six (6) feet or more above the ground/floor or whenever working in a precarious position, unless other adequate fall prevention (guardrails or safety nets) are provided. Fall Protection Competent Person shall be on site for entire scope, scaffold competent person shall be on site if scaffold is being used. Scaffolds to be inspected and tagged appropriately.
 - 2.5.17. This Prime Contractor shall coordinate, develop and provide a Site-Specific Fall Protection Plan (SSFPP) for all work with a fall exposure of six (6)-feet or greater when conventional fall protection will not be used. The SSFPP shall be submitted to the BB Project Manager, BB SH&E Manager and/or BB Superintendent for review, fifteen (15) days prior to commencing work that will involve fall exposure.
 - 2.5.18. This Prime Contractor shall include coordination with other bid packages for all items that interface with the other Prime’s scopes of work.
 - 2.5.19. This Prime Contractor shall coordinate, layout, furnish and install all wood framing, trim, wood beams, joists, blocking, roof sheathing, wall sheathing, framing hardware etc. for all areas being improved. Lumber to be graded and surface prepared per plan & specifications (i.e. re-sawn, paint grade, fire treated, etc.)

BID PACKAGE #05 – ROUGH CARPENTRY DIVISION OF WORK

- 2.5.20. This Prime Contractor shall coordinate, layout, furnish and install all wood furring, blocking, backing, bracing, and frame-outs for all types of building components including but not limited to for equipment, toilet accessories, handrails, cabinets, expansion joints, grab bars, marker boards, signage, ductwork ceiling lights, and other misc. trade work, etc., per contract documents and as shown and required by actual job requirements.
- 2.5.21. This Prime Contractor shall coordinate, layout, furnish and install rough framed openings for all doors and windows as indicated on the project drawings and specifications. Coordinate with appropriate door and window contractors to ensure both the sizing and placement is correct.
- 2.5.22. This Prime Contractor shall coordinate, layout, furnish and install all interior lay-out of walls and openings as derived from the project plans utilizing control lines and benchmarks. If a discrepancy is found between architectural and other plans then this Prime Contractor shall seek direction from the Construction Manager prior to proceeding with any framing at these locations and include all necessary revisions. A written verification of all layout and installation of all anchor bolts or other framing attachments prior to placement of concrete is required.
- 2.5.23. This Prime Contractor to be present at least two days prior to each foundation placement by Concrete Prime Contractor for verification of embed, anchor bolt and/or other framing attachment placement. This Prime Contractor also to be present during placement of each foundation to again verify correct placement of embeds and anchor bolts. This Prime Contractor to provide framing attachments to be in concrete and layout for all anchor bolts, hold downs associated with their work, and each shall be properly and timely coordinated with Concrete Prime Contractor per project schedule.
- 2.5.24. This Prime Contractor shall coordinate and provide in-field layout for all items embedded in concrete, at least two days prior to each pour, including but not limited to embeds, anchor bolts, framing attachments, etc.
- 2.5.25. Prior to commencing work, this Prime Contractor shall perform a thorough review of the design documents. Verify that all building components and accessories will fit in the scheduled wall type from the project plans. If a discrepancy is identified, bring it to the immediate attention of the Construction Manager.
- 2.5.26. This Prime Contractor shall coordinate, layout, furnish and install all plywood wall and roof sheathing and exterior wall framing shall be flush with the outside face of the concrete foundation walls to allow a flush installation of the sheet metal flashings (by others). This Prime Contractor shall fully coordinate work with all other Prime Contractors, including but not limited to the Roofing Prime Contractor, Finishes/Doors, Frames and Hardware Prime Contractor, Mechanical Prime Contractor, and Concrete Prime Contractor.
- 2.5.27. This Prime Contractor shall coordinate and layout installation of hollow metal frames, including window and door frames, cased openings, etc., that are installed in all types of construction. All openings and throat dimensions shall be coordinated with the Finishes/Doors, Frames and Hardware Prime Contractor, prior to fabrication and installation.
- 2.5.28. This Prime Contractor shall coordinate, layout, furnish and install all spacers, shims and blocking shown on plans, including but not limited to at windows as required to prepare window openings for installation of window units. Coordinate dimensions with the Finishes/Door, Frames and Hardware Prime Contractor, and all applicable Prime Contractors for spacer, shims and blocking requirements.
- 2.5.29. This Prime Contractor shall coordinate, layout, furnish and install the longest lengths possible of all lumber in order to minimize the number of joints.

BID PACKAGE #05 – ROUGH CARPENTRY DIVISION OF WORK

- 2.5.30. This Prime Contractor shall coordinate, layout, furnish and install all misc. washers, nuts, bolts, "Simpson catalog" hardware, "hold downs", threaded rods, column caps, bolts, nuts, fasteners, etc. as required to attach wood to wood and wood to all other dissimilar materials. All anchor bolts, attachments and hardware items that are embedded in concrete for attachment of wood framing will be furnished by this Prime Contractor and installed by the Concrete Prime Contractor. This Prime Contractor shall fully coordinate the length of wood sill plates and all layout of embeds/attachments directly with the Concrete Prime Contractor. And shall retreat PTDF sill plates on cuts and holes for anchors prior to installation.
- 2.5.31. This Prime Contractor shall coordinate, layout, furnish and install all metal straps on framing, as required by typical conditions shown, and where plumbing, electrical and mechanical items penetrate framing members.
- 2.5.32. This Prime Contractor shall coordinate, layout, furnish and install all wood grounds for plaster/misc. items as detailed throughout the plans. This Prime Contractor shall provide wood grounds at all locations where shown and where required.
- 2.5.33. This Prime Contractor shall coordinate, layout, furnish and install all solid wood backing for all Plaster related accessories, including but not limited to: control joints, expansion joints, reveals, reglets, vent screens, etc.
- 2.5.34. This Prime Contractor shall coordinate, layout, furnish and install all wood nailers for other framing members necessary to properly repair roofing and walls, i.e. roof repairs at WHHS sunroom demo.
- 2.5.35. This Prime Contractor shall coordinate, layout, furnish and fur-out and/or increase the depth of framing members as required to conceal all types of mechanical, electrical, plumbing and misc. building components, etc., that are located within framing. If a particular location requires modification then the entire wall, floor or ceiling surface area; corner to corner/edge to edge shall be included as required to avoid the appearance of "pop-outs" or offsets. All locations where this occurs shall be reviewed with the Construction Manager and respective trades, prior to any work being performed. This requirement also includes conditions where the structural integrity is affected. If required, install furring adjacent to sheer panels in order to maintain a consistent wall thickness from edge to edge, corner to corner, etc.
- 2.5.36. This Prime Contractor shall coordinate, layout, furnish and install all framing cutouts, notching, openings, soffits, recessed/dropped ceiling areas, chases, reinforcing of framing, etc. shown on the drawings and as required by actual conditions for various architectural items, access panels, plumbing/electrical/HVAC items, i.e., ductwork, equipment and piping. Coordinate directly with the respective Prime Contractors. Modify soffits and shaft framing dimensions as required to accommodate the designed duct sizes.
- 2.5.37. This Prime Contractor shall coordinate, layout, furnish and install all 3/4" fire treated plywood backboards and in wall backing for electrical, telephone and CATV utilities and panels, as required. Coordinate the location and required size with the Electrical Prime Contractor.
- 2.5.38. This Prime Contractor shall coordinate, layout, furnish, install and properly secure 2"x12" backing at all ceiling mounted J-boxes/light fixtures as required. Coordinate the depth position and locations of backing with the Electrical Prime Contractor.
- 2.5.39. This Prime Contractor shall coordinate, layout, and provide framed openings for the recessed cabinets. Coordinate size of opening with the respective Prime Contractors.
- 2.5.40. This Prime Contractor shall coordinate, layout, furnish and install all soffit framing, ceiling transition framing, draft-stop framing and brace framing per the requirements of the project plans and specifications.

BID PACKAGE #05 – ROUGH CARPENTRY DIVISION OF WORK

- 2.5.41. This Prime Contractor shall coordinate, layout, furnish and install all wood backing for sheet metal flashings, reglets, plaster joints, marker boards, signage, FE cabinets, bath accessories, roof access doors, handrails, etc.
- 2.5.42. All framing members shall be planed or furred to within a 1/8" maximum from true position to achieve a straight and true wall.
- 2.5.43. This Prime Contractor shall coordinate and provide dust control related to this scope of work. Building will be partially occupied by staff and public, including children. Maintaining a clean and dust-free environment is crucial.
- 2.5.44. This Prime Contractor shall coordinate, layout, and install framing and blocking for access panels supplied and installed by others. Coordinate with MEP Prime Contractors and Finishes Prime Contractors for size, location, and quantity.
- 2.5.45. **This Prime Contractor is responsible to adhere to the Zero Harm Safety Program's 6' and over fall protection trigger height.**
- 2.5.46. This Prime Contractor is responsible for coordinating and providing backing as required for counter supports FOB to jobsite. Note: Counter supports to be provided and installed by Finish Carpentry Prime Contractor.
- 2.5.47. This Prime Contractor to coordinate, furnish and install all knee braces. For Final connection to wood members.
- 2.5.48. This Prime Contractor is responsible to conduct a pre-pour and post concrete pour survey for all embedded items, including but not limited to anchor bolts, templates, attachments, etc., for each restroom and shall publish results to Construction Manager. This Prime Contractor must confirm acceptance of all embedded items prior to concrete placement and shall validate and confirm installation is correct after concrete pour. Coordinate with Concrete Prime Contractor as required.
- 2.5.49. This Prime Contractor shall provide an experienced foreperson on site for a minimum of 2 hours, prior to any concrete foundation placement, to verify the correct placement of all anchor bolts/templates. This Prime Contractor is responsible to provide a competent person onsite during all concrete pours to ensure that embedded items are properly placed and are not disturbed.
- 2.5.50. This Prime Contractor is responsible for the cost of road clean up due to on-site deliveries and parking as pertains to own work.
- 2.5.51. This Prime Contractor to coordinate and provide shop drawings coordinated with architectural, structural, MEPFS, etc. drawing requirements, as well as concrete requirements, which show dimensions and placement of all required slab and penetrations, equipment layouts, platform sizes, connections, etc., within thirty (30) calendar days from award of contract, letter of intent or notice to proceed, whichever comes first, so as not to delay the submission of submittals and shop drawings.
- 2.5.52. This Prime Contractor shall include flag person, street closures, sidewalk closures, permits, traffic control, etc. for its work, as required by the specifications, job conditions and governing agencies.
- 2.5.53. This Prime Contractor is responsible for providing one qualified laborer for **20 hours for WHHS and 0 hours for FAEC** for general site and building cleanup, safety maintenance, temporary weather protection or for discretionary use as directed by the Construction Manager. All hours to be directed and documented by Construction Manager, with all unused hours credited back, via a deductive change order.

END OF BID PACKAGE

BID PACKAGE #06 - FINISH CARPENTRY, CASEWORK & COUNTERTOPS DIVISION OF WORK

- 2.6. **BID PACKAGE #06 – “FINISH CARPENTRY, CASEWORK & COUNTERTOPS”** – Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple bid packages for a complete turnkey and operable system at the school sites Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, which shall include, but not be limited to the following;
- 2.6.1. FAEC | As-Built Documents | Attachment O
 - 2.6.2. FAEC | Titan ES | Technical Specifications | Attachment G
 - 2.6.3. FAEC | Titan ES | Hazardous Materials Survey Report & Floor Plan | Attachment H
 - 2.6.4. FAEC | Titan ES | Hazardous Materials Abatement Specifications | Attachment I
 - 2.6.5. FAEC | Ruhnau Clarke Architects | Drawings | Attachment E
 - 2.6.6. FAEC | Ruhnau Clarke Architects | Specifications
 - 2.6.7. FAEC | Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.6.8. FAEC | Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
 - 2.6.9. FAEC | Ruhnau Clarke Architects | 06 10 63 – Miscellaneous Rough Carpentry
 - 2.6.10. FAEC | Ruhnau Clarke Architects | 06 20 00 - Finish Carpentry
 - 2.6.11. FAEC | Ruhnau Clarke Architects | 06 41 00 - Architectural Wood Casework
 - 2.6.12. FAEC | Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
 - 2.6.13. FAEC | Ruhnau Clarke Architects | 12 36 00 - Countertops
 - 2.6.14. GUHSD | Front End Bid & Contract Documents
 - 2.6.15. WHHS | As-Built Documents | Attachment N
 - 2.6.16. WHHS | Group Delta | Hazardous Building Material Abatement Specifications | Attachment J
 - 2.6.17. WHHS | Group Delta | Technical Lead-Related Specifications | Attachment F
 - 2.6.18. WHHS | Ruhnau Clarke Architects | Drawings | Attachment D
 - 2.6.19. WHHS | Ruhnau Clarke Architects | Specifications
 - 2.6.20. WHHS | Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.6.21. WHHS | Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
 - 2.6.22. WHHS | Ruhnau Clarke Architects | 02 41 00 – Demolition
 - 2.6.23. WHHS | Ruhnau Clarke Architects | 05 05 19 - Post-Installed Concrete Anchors
 - 2.6.24. WHHS | Ruhnau Clarke Architects | 06 05 73 - Wood Treatment
 - 2.6.25. WHHS | Ruhnau Clarke Architects | 06 20 00 - Finish Carpentry
 - 2.6.26. WHHS | Ruhnau Clarke Architects | 06 41 00 - Architectural Wood Casework
 - 2.6.27. WHHS | Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
 - 2.6.28. WHHS | Ruhnau Clarke Architects | 12 35 53.19 - Wood Laboratory Casework [OFCl]

BID PACKAGE #06 - FINISH CARPENTRY, CASEWORK & COUNTERTOPS DIVISION OF WORK

- 2.6.29. This Prime Contractor is responsible for coordinating, laying out, providing and installing all finish carpentry, wood laboratory casework and architectural wood casework, plastic laminated-Faced Architectural Cabinets, solid surfacing countertops and splashes, upper wall cabinets, base cabinets, complete, including but not limited to, shelving, fixtures, drawers, fasteners, glues, finish hardware, standards, grommets, brackets, trim, etc. per contract documents. **This includes all efforts, labor and material required to remove, protect, refurbish and reinstall existing cabinets where shown.** It should be understood that “refurbished” shall mean “like new condition”.
- 2.6.30. This Prime Contractor is responsible for coordinating, laying out and installing all Owner Furnished Contractor Installed [OFCI] casework.
- 2.6.31. **Prior to the start of demolition activities, this Prime Contractor is responsible for coordinating, laying out, identifying and carefully removing cabinetry and countertops shown at Science lab rooms of the WHHS campus to be removed and *reinstalled*. This includes protecting casework shown to protect in place, casework (uppers and lowers) shown to be refurbished, removal and replacement of the teacher station countertop, sink, faucet & gas turret, etc., epoxy and other countertops and backsplashes shown to remove and *reinstall* after improvements. See notes on demo plan sheets. This scope is expressly excluded from the Demolition Prime Contractor’s scope of work and must be coordinated with the Demolition Prime Contractor to occur in advance of their demolition activities. See contract inclusion 2.1.23.**
- 2.6.32. This Prime Contractor is responsible for coordinating, laying out and re-installing all casework and cabinetry that is refurbished and epoxy counter tops, back splashes, etc. shown to be reinstalled. This Prime is also responsible for protection and storage of same once removed and until improvements are complete and the sites are ready for reinstallation.
- 2.6.33. This Prime Contractor is responsible for coordinating, laying out, providing and installing all hardware as required including but not limited to all box hinges, pulls, stops, shelf brackets, shelf pins, locks, lag, machine and dead bolts, cane bolts, etc. as required per project documents, and all other associated hardware for a complete installation, per contract documents. This includes any hardware required for existing cabinetry shown to be refurbished and reused. It should be understood that “refurbished” shall mean “like new condition”.
- 2.6.34. This Prime Contractor is responsible for coordinating, laying out, providing and installing all wood laboratory casework and architectural woodwork including but not limited to metal framing supports, toe-kicks, shims, nailers, screws, anchors, wood trim at windows, ¼” solid wood base at casework, including any stain and finishing and all other associated hardware and finish items for a complete installation, per contract documents. Ensure wood moisture control and protection requirements are complied with. **This Prime Contractor to provide and install steel angle supports, there is no Structural Steel Prime Contractor on this project.** Blocking to be provided and installed by Rough Carpentry or Finishes Prime Contractor depending on the campus. Blocking locations, coordination and layout to be provided by this Prime Contractor.
- 2.6.35. This Prime Contractor is responsible for coordinating, laying out, providing and installing all solid surface countertops, including but not limited to solid surface tops, quartz, plastic laminate countertops, including substrates, plywood, blocking, framing, metal framing and other supports, wall caps, trim, setting mortars, leveling coats, grout, epoxy grouts, adhesives, mortar, waterproofing membranes, underlayment, associated hardware, shelving, lighting, glass, standards, support brackets, blocking, etc., for a complete installation, per contract documents. This Prime Contractor to provide and install steel angle supports, there is no Structural Steel Prime Contractor on this project.

BID PACKAGE #06 - FINISH CARPENTRY, CASEWORK & COUNTERTOPS DIVISION OF WORK

- 2.6.36. This Prime Contractor is responsible to coordinate and provide all backing requirements to the Rough Carpentry and Finishes Prime Contractor and Construction Manager. This Prime Contractor will review Master Schedule, and weekly look ahead schedules and will coordinate with wood and metal framing contractors to provide all backing requirements in advance, to meet the framing contractors schedule for installation. Failure on the part of this Prime Contractor to provide backing requirements prior to the framing operation, will transfer backing responsibility from the Rough Carpentry and Finishes Prime Contractor to this Prime Contractor.
- 2.6.37. This Prime Contractor is responsible to coordinate, layout, and provide in-field layout for backing requirements, and written confirmation and direction a minimum of two (2) days prior to scheduled installation for backing.
- 2.6.38. This Prime Contractor is responsible for providing and installing caulking and joint sealants for own work.
- 2.6.39. This Prime Contractor is responsible for cleaning and touch-up of installed material finishes, including but not limited to vacuuming all drawers, removal of all sawdust, metal shavings, wipe down inside and outside of all cabinets and removal of all tape, labels, protective coatings, smudges, fingerprints, etc.
- 2.6.40. This Prime Contractor is responsible for coordinating and providing cabinet designs and shop drawings, as required per contract documents.
- 2.6.41. This Prime Contractor is responsible for Compliance and Certification with Woodwork Institute of California (W.I.C.).
- 2.6.42. This Prime Contractor is responsible for all final adjustments of installed work, prior to punch list.
- 2.6.43. This Prime Contractor is responsible for coordination of own work with all Prime Contractors, including for proper locations of service rough-ins, installations, etc. Provide cutouts, grommets, etc. in own work as necessary to receive fixture, fittings, devices, trim, etc.
- 2.6.44. This Prime Contractor is responsible for coordinating, laying out, providing and installing all miscellaneous metal, sheet metal, wood, unistrut and supports required for own work.
- 2.6.45. This Prime Contractor is responsible for a factory finish, if required per contract documents.
- 2.6.46. This Prime Contractor is responsible for compliance with seismic restraint requirements.
- 2.6.47. This Prime Contractor is responsible for coordinating, laying out, providing and installing all fasteners, adhesives and accessories required for a complete installation.
- 2.6.48. Upon completion of own work, this Prime Contractor is responsible for providing a keying schedule, keys on a metal ring with room identification tag attached. Provide a minimum of 3 keys per lock, unless otherwise specified. Lock schedule to be coordinated with Construction Manager.
- 2.6.49. This Prime Contractor is responsible for coordinating, laying out, providing and installing all anchorage, fasteners, adhesives, accessories and sundry items as required for a complete installation, per contract documents. In areas where cabinets must be shimmed up because of floor imperfections, which may cause areas around the bottom of cabinets to have exposed (unfinished) areas that the flooring base will not cover, this Prime Contractor will provide and install trim or additional laminate to correct these areas. It should be assumed that uneven flooring will need to be accommodated, as slabs are existing and likely not level.
- 2.6.50. This Prime Contractor is responsible to provide all necessary protective measures to prevent damage to casework and finished surfaces from exposure to subsequent construction activities.
- 2.6.51. This Prime Contractor is responsible to provide and maintain fire extinguishers near flame heated equipment.

BID PACKAGE #06 - FINISH CARPENTRY, CASEWORK & COUNTERTOPS DIVISION OF WORK

- 2.6.52. This Prime Contractor to coordinate own work with Plumbing Prime Contractor and Electrical Prime Contractor for proper location of service rough ins. Provide cutouts in own work as necessary to receive plumbing, light fixtures, fittings, devices, trim, etc.
- 2.6.53. This Prime Contractor is responsible to coordinate and provide pre-drill at 2x4 pressure treated wood sleepers at cabinet/casework locations.
- 2.6.54. This Prime Contractor is responsible for providing one qualified laborer **50 hours for WHHS** and **24 hours for FAEC** for general site and building cleanup, safety maintenance, temporary weather protection or for discretionary use as directed by the Construction Manager. All hours to be directed and documented by Construction Manager, with all unused hours credited back, via a deductive change order. This is in addition to clean up responsibilities for own crew and own work. Work space is expected to be kept in broom-swept condition at all times.

END OF BID PACKAGE

BID PACKAGE #07 - GLASS & GLAZING, STOREFRONT DIVISION OF WORK

- 2.7 BID PACKAGE #07 "GLASS & GLAZING, STOREFRONT"** – Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple prime contract bid packages for a complete turnkey and operable system at the school site Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, including, but not limited to the following;
- 2.7.1 FAEC I As-Built Documents I Attachment O
 - 2.7.2 FAEC I Titan ES I Technical Specifications I Attachment G
 - 2.7.3 FAEC I Titan ES I Hazardous Materials Survey Report & Floor Plan I Attachment H
 - 2.7.4 FAEC I Titan ES I Hazardous Materials Abatement Specifications I Attachment I
 - 2.7.5 FAEC I Ruhnau Clarke Architects | Drawings I Attachment E
 - 2.7.6 FAEC I Ruhnau Clarke Architects | Specifications
 - 2.7.7 FAEC I Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.7.8 FAEC I Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
 - 2.7.9 FAEC I Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
 - 2.7.10 FAEC I Ruhnau Clarke Architects | 08 06 71 - Door Hardware Schedule
 - 2.7.11 FAEC I Ruhnau Clarke Architects | 08 43 13 - Aluminum-Framed Storefronts
 - 2.7.12 FAEC I Ruhnau Clarke Architects | 08 71 00 - Door Hardware
 - 2.7.13 FAEC I Ruhnau Clarke Architects | 08 80 00 - Glazing
 - 2.7.14 GUHSD| Front End Bid & Contract Documents
 - 2.7.15 This Prime Contractor is responsible for coordinating, laying out, providing and installing all glass and glazing at the FAEC project, including but not limited to fire rated glazing, clear glass, tinted glass, wire glass, heat treated glass, tempered glass, insulated glass, laminated glass, and any other glazing required, glazing film, screens, sealants, primers, setting blocks, edge blocks, spacers, shims, clips, pre-formed gaskets, compressible filler rods, mastic, weather stripping, fasteners, adhesives and all miscellaneous accessories and sundry items required for a complete installation, per contract documents. All openings to be coordinated with Concrete, Door Frames & Hardware and Finishes Prime Contractors. Glass in HM and wood doors to be provided and installed by Finished Prime Contractor.
 - 2.7.16 This Prime Contractor is responsible for coordinating, laying out, providing and installing all glazing systems, aluminum framed entrances, aluminum framed storefronts, venting windows, entrance door systems, entrance door hardware, aluminum doors and frames, curtain walls, aluminum windows, aluminum panels, fixed or operable aluminum window frames and storefronts, including but not limited to fixed aluminum framing, hardware transoms, sidelights, finishes, spaces, shims, weather stripping, fasteners, adhesives, sealants and break metal, specified finishes, for a complete installation, per contract documents.
 - 2.7.17 This Prime Contractor is responsible for removing and reinstalling glass stops, as needed for a complete and finished system.
 - 2.7.18 This Prime Contractor is responsible for coordinating, laying out, providing and installing all hardware complete, including but not limited to exit devices, panic devices, hinges, handles, pulls, latches, bolts, cylinders, closers, stops, thresholds, sweeps, and all items, accessories and sundry items required for a complete and operable system, per contract documents. Note: Coordinate with Finishes Prime Contractor and District for locksets and keying.

BID PACKAGE #07 - GLASS & GLAZING, STOREFRONT DIVISION OF WORK

- 2.7.19 This Prime Contractor is responsible for coordinating, laying out, providing and installing all aluminum flashings, head flashings, bituminous flashings jiffy seal and moisture barrier at all aluminum curtain wall and storefronts, including at all horizontal surfaces receiving own work, and where otherwise shown, specified or as required to provide a complete water tight seal.
- 2.7.20 This Prime Contractor is responsible for coordinating, laying out, providing and installing the neoprene in aluminum tube where interior metal or existing framed walls meet glazing and aluminum systems, for a complete installation, per contract documents.
- 2.7.21 This Prime Contractor is responsible for coordinating, laying out, providing and installing aluminum z flashing where required, for a complete installation, per contract documents.
- 2.7.22 This Prime Contractor is responsible for coordinating, laying out, providing and installing all break metal and prefinished break metal for storefront or windows, beams and at any wall ends that terminate in front of any window systems, were occurs, for a complete installation, per contract documents.
- 2.7.23 This Prime Contractor is responsible for caulking all aluminum frames, trim, and aluminum panels to adjacent surfaces for weather tight seal, inside and outside.
- 2.7.24 This Prime Contractor is responsible for performing field water tests, per contract documents and promptly correct any deficiencies.
- 2.7.25 This Prime Contractor is responsible for complying with inspection requirements, including meeting prior notification requirements.
- 2.7.26 This Prime Contractor is responsible for cleaning and removing all labels, signs, tape, etc., after installation.
- 2.7.27 This Prime Contractor is responsible for providing galvanic protection, as required.
- 2.7.28 This Prime Contractor is responsible for coordinating, laying out, providing and installing joint sealants and fire stopping for all work under this bid package. Provide sealant or other approved isolation material at all dissimilar materials.
- 2.7.29 This Prime Contractor is responsible for coordinating, laying out, providing and installing all anchorages, fasteners, adhesives, accessories and sundry items, as required for a complete installation, per contract documents.
- 2.7.30 This Prime Contractor is responsible for providing the means and methods, as required, to protect glass, glazing, aluminum doors and frames in place, throughout the entire duration of the project, until final owner acceptance of the glass and glazing, in writing.
- 2.7.31 This Prime Contractor is responsible to provide documentation of the glazing systems protection procedure, in conjunction with other Prime Contractors performing adjacent work, for review and approval by Construction Manager. Submit protection procedures with Glass and Glazing submittal.
- 2.7.32 This Prime Contractor is responsible for coordinating a glass and glazing turnover meeting with the Construction Manager, Architect, Inspector of Record and Owner, as required to achieve final owner acceptance in writing.
- 2.7.33 This Prime Contractor is responsible for coordinating, laying out, providing and installing weather protection at all glass, glazing, curtain wall, and storefront openings, including but not limited to covering, maintaining and removing upon completion, the watertight system over door and window openings after wall framing operations, and until glass and glazing is completed. Maintain covers on a daily basis until work is complete. This Prime Contractor is responsible for damages to other Prime Contractor's work due to failing to maintain adequate weather protection. Coordinate with other Prime Contractors for a complete watertight system.

BID PACKAGE #07 - GLASS & GLAZING, STOREFRONT DIVISION OF WORK

- 2.7.34 This Prime Contractor is responsible for fall protection systems per OSHA standards and must adhere to the Balfour Beatty Construction's Zero Harm Safety Program's 6' and over fall protection trigger height. Provide a detailed fall protection plan prior to commencement of work for Construction Manager approval.
- 2.7.35 This Prime Contractor is responsible for coordinating, providing and installing blocking, and all other similar and applicable nailers, etc. per contract documents.
- 2.7.36 This Prime Contractor is responsible for coordinating, providing and installing gauge break metal required at jambs of storefront or curtain wall systems and all other similar and applicable installations, per contract documents. Finish to match storefront or window system finishes.
- 2.7.37 This Prime Contractor is responsible for coordinating, providing and installing gauged metal flashing, and all other similar and applicable details and installations for flashings around the heads/jambs/sills of window systems/ curtain wall systems, per contract documents. Finish of flashings to match window system finishes.
- 2.7.38 This Prime Contractor is responsible for providing one qualified laborer **0 hours for WHHS** and **10 hours for FAEC** for general site and building cleanup, safety maintenance, temporary weather protection or for discretionary use as directed by the Construction Manager. All hours to be directed and documented by Construction Manager, with all unused hours credited back, via a deductive change order. This is in addition to clean up responsibilities for own crew and own work. Work space is expected to be kept in broom-swept condition at all times.

END OF BID PACKAGE

**BID PACKAGE #08 – FINISHES, CEILINGS, DRYWALL, PLASTER, DOOR FRAMES, ACCESS DOORS,
HARDWARE, INSULATION, PAINT & FINAL CLEAN DIVISION OF WORK**

- 2.8. BID PACKAGE NUMBER #08 – FINISHES, CEILINGS, DRYWALL, PLASTER, DOOR FRAMES, ACCESS DOORS, HARDWARE, INSULATION, PAINT & FINAL CLEAN** – Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple bid packages for a complete turnkey and operable system at the schools site Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, which shall include, but not be limited to the following;
- 2.8.1 FAEC I As-Built Documents I Attachment O
 - 2.8.2 FAEC I Titan ES I Technical Specifications I Attachment G
 - 2.8.3 FAEC I Titan ES I Hazardous Materials Survey Report & Floor Plan I Attachment H
 - 2.8.4 FAEC I Titan ES I Hazardous Materials Abatement Specifications I Attachment I
 - 2.8.5 FAEC I Ruhnau Clarke Architects | Drawings I Attachment E
 - 2.8.6 FAEC I Ruhnau Clarke Architects | Specifications
 - 2.8.7 FAEC I Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.8.8 FAEC I Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
 - 2.8.9 FAEC I Ruhnau Clarke Architects | Division 05 – Metals - Complete
 - 2.8.10 FAEC I Ruhnau Clarke Architects | 06 83 16 - Fiberglass Reinforced Paneling
 - 2.8.11 FAEC I Ruhnau Clarke Architects | Division 07 - Thermal and Moisture Protection - Complete
 - 2.8.12 FAEC I Ruhnau Clarke Architects | 08 06 71 - Door Hardware Schedule
 - 2.8.13 FAEC I Ruhnau Clarke Architects | 08 11 13 - Hollow Metal Doors and Frames
 - 2.8.14 FAEC I Ruhnau Clarke Architects | 08 31 00 - Access Doors and Panels
 - 2.8.15 FAEC I Ruhnau Clarke Architects | 08 71 00 - Door Hardware
 - 2.8.16 FAEC I Ruhnau Clarke Architects | 09 21 16 - Gypsum Board Assemblies
 - 2.8.17 FAEC I Ruhnau Clarke Architects | 09 22 36 - Lath
 - 2.8.18 FAEC I Ruhnau Clarke Architects | 09 24 00 – Cement Plastering
 - 2.8.19 FAEC I Ruhnau Clarke Architects | 09 51 00 - Acoustical Ceilings
 - 2.8.20 FAEC I Ruhnau Clarke Architects | 09 72 00 - Wall Coverings
 - 2.8.21 FAEC I Ruhnau Clarke Architects | 09 72 16.26 - Architectural Vinyl Graphic Films
 - 2.8.22 FAEC I Ruhnau Clarke Architects | 09 72 60 - Resilient Tackable Wall Covering
 - 2.8.23 FAEC I Ruhnau Clarke Architects | 09 84 30 - Sound-Absorbing Wall and Ceiling Units
 - 2.8.24 FAEC I Ruhnau Clarke Architects | 09 91 13 - Exterior Painting
 - 2.8.25 FAEC I Ruhnau Clarke Architects | 09 91 23 - Interior Painting
 - 2.8.26 FAEC I Ruhnau Clarke Architects | 10 26 00 - Wall and Door Protection
 - 2.8.27 GUHSD | Front End Bid & Contract Documents
 - 2.8.28 WHHS I As-Built Documents I Attachment N
 - 2.8.29 WHHS | Group Delta I Hazardous Building Material Abatement Specifications I Attachment J
 - 2.8.30 WHHS | Group Delta I Technical Lead-Related Specifications I Attachment F
 - 2.8.31 WHHS I Ruhnau Clarke Architects | Drawings I Attachment D

**BID PACKAGE #08 – FINISHES, CEILINGS, DRYWALL, PLASTER, DOOR FRAMES, ACCESS DOORS,
HARDWARE, INSULATION, PAINT & FINAL CLEAN DIVISION OF WORK**

- 2.8.32 WHHS | Ruhnau Clarke Architects | Specifications
- 2.8.33 WHHS | Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
- 2.8.34 WHHS | Ruhnau Clarke Architects | 01 00 00 – General Requirements – Complete
- 2.8.35 WHHS | Ruhnau Clarke Architects | 05 05 19 – Post Installed Concrete Anchors
- 2.8.36 WHHS | Ruhnau Clarke Architects | 05 50 00 – Metal Fabrications
- 2.8.37 WHHS | Ruhnau Clarke Architects | 06 83 16 - Fiberglass Reinforced Paneling
- 2.8.38 WHHS | Ruhnau Clarke Architects | Division 07 - Thermal and Moisture Protection - Complete
- 2.8.39 WHHS | Ruhnau Clarke Architects | Division 08 – Openings - Complete
- 2.8.40 WHHS | Ruhnau Clarke Architects | 09 21 16 - Gypsum Board Assemblies
- 2.8.41 WHHS | Ruhnau Clarke Architects | 09 22 36 - Lath
- 2.8.42 WHHS | Ruhnau Clarke Architects | 09 24 00 - Cement Plastering
- 2.8.43 WHHS | Ruhnau Clarke Architects | 09 51 00 - Acoustical Ceilings
- 2.8.44 WHHS | Ruhnau Clarke Architects | 09 91 13 - Exterior Painting
- 2.8.45 WHHS | Ruhnau Clarke Architects | 09 91 23 - Interior Painting
- 2.8.46 WHHS | Ruhnau Clarke Architects | 09 96 00 - High-Performance Coatings
- 2.8.47 WHHS | Ruhnau Clarke Architects | 10 26 00 - Wall and Door Protection
- 2.8.48 FAEC & WHHS | Temporary Restroom & Handwash Facilities
- 2.8.49 FAEC & WHHS | Dumpsters & Site Trash
- 2.8.50 FAEC & WHHS | Construction Fire Extinguishers
- 2.8.51 FAEC & WHHS | Site Construction Signage
- 2.8.52 FAEC & WHHS | Final Cleaning
- 2.8.53 FAEC & WHHS | COVID Temperature & Check-in Station

- 2.8.54 This Prime Contractor is responsible for coordinating, receiving, unloading, inventorying, storing, transporting, protecting and installing all materials for own work.
- 2.8.55 This Prime Contractor responsible to provide floor protection for hallways, rooms and other paths of travel utilized by all Prime Contractors to access and perform their work at both campuses. This Prime Contractor responsible for protection and cover of existing doorways and walls adjacent to areas scheduled to be improved so as to properly protect existing building finishes that aren't scheduled to be improved as part of project scope at both sites. Protection measures shall also include thresholds from interior to exterior, sidewalk and asphalt as required. Existing doors may need to be removed and reinstalled as required to eliminate damage.
- 2.8.56 This Prime Contractor is responsible for coordinating, laying out, providing and installing all cold-formed metal framing, metal studs and light gauge framing complete, including but not limited to blocking, lintels, angels, shoes, reinforcements, furring channels, anchor bolts, epoxy anchors, shot pins, tabs, clips, backing, straps, slip track, fire track, hat channel, ceiling channel, runners, wires, fasteners, bracing, welding, welding of clips and metal framing components to structural supports, and all associated items required for a complete installation per contract documents and reference and industry standards. Including any gauge material required for metal stud framing backing. All backing required for FAEC is the responsibility of this Contractor.

**BID PACKAGE #08 – FINISHES, CEILINGS, DRYWALL, PLASTER, DOOR FRAMES, ACCESS DOORS,
HARDWARE, INSULATION, PAINT & FINAL CLEAN DIVISION OF WORK**

- 2.8.57 This Prime Contractor is responsible for coordinating, laying out, providing and installing cement plastering patching system complete, at all areas required including but not limited to lath, polymer modified fiber reinforced scratch and brown coats, stucco coat, finish coat, integral color, primer, bond compound, crack patching compound, hydrated lime, hand trowel acrylic elastomeric membrane, weather barrier, etc., for a complete system, per contract documents. Patching of plaster to match in texture, finish and color, the existing plaster and blended appropriately so that patch is not identifiable.
- 2.8.58 This Prime Contractor is responsible for coordinating, laying out, providing and installing all plaster control joints per the Contract Documents and as required to prevent cracking in accordance with the plaster industry recommendations. If additional joints are required, provide Construction Manager with written notice prior to installing them. Prior to installation of the plaster systems, have a representative of the Plaster Institute review all control joints and issue a letter indicating acceptance.
- 2.8.59 This Prime Contractor is responsible for coordinating, laying out, providing and installing all aluminum trims/reveals/moldings/fry metal as required for a complete and finished installation per the Contract Documents.
- 2.8.60 This Prime Contractor is responsible for coordinating, laying out, providing and installing all cleanup and remove from site all excess plaster residue at the completion of brown coat and the completion of the finish coat, or as directed by the Construction Manager.
- 2.8.61 This Prime Contractor is responsible for coordinating, laying out, and providing daily and continuous clean-up of all work. Additionally, provide final clean-up including washing of floors and adjacent surfaces.
- 2.8.62 Include caulking / repair of any penetrations and tears in the building paper.
- 2.8.63 Include caulking of all window and door frames and all wall penetrations.
- 2.8.64 This Prime Contractor is responsible for coordinating, laying out, providing and installing lathing including metal lath, underlayment, building felt, paper, self-adhesive vapor barriers and weather barriers, Tyvek wrap, beads, screeds, vents, soffits, soffit vents, vent screeds per contract documents, casings, reinforcement mesh, fasteners, adhesives, reglets, fry metal control and expansion joints, wires, reveals, jiffy seal etc. as required for a complete system.
- 2.8.65 This Prime Contractor is responsible for any underlayment, weather barrier, membrane, waterproofing, jiffy seal, building wrap, flexible flashing, seam tape, sealants, adhesives, fasteners, etc. shown to be installed behind the plaster system and at door openings, etc. per contract documents to achieve a complete, finished system.
- 2.8.66 This Prime Contractor is responsible for coordinating, providing and installing of weep screeds including 24-gauge horizontal sheet metal. Note: Concrete Prime Contractor to layout and snap lines for weep screeds and ensure that proper elevation is maintained where in relation to adjoining concrete.
- 2.8.67 This Prime Contractor is responsible for preparation of finish surfaces to receive own work per contract documents.
- 2.8.68 This Prime Contractor is responsible to remove and dispose of excess plaster left on the ground. Rake clean and return grade to original state. Plaster may not contact the ground. This Prime Contractor shall provide the means necessary (visqueen, waterproof paper, etc.) to prevent all excess plaster from contacting the ground as a SWPPP compliance measure.

**BID PACKAGE #08 – FINISHES, CEILINGS, DRYWALL, PLASTER, DOOR FRAMES, ACCESS DOORS,
HARDWARE, INSULATION, PAINT & FINAL CLEAN DIVISION OF WORK**

- 2.8.69 This Prime Contractor is responsible to inspect all surfaces to receive own work. Promptly notify Construction Manager of any unsuitable substrate conditions. Commencement of installation implies acceptance of all substrate conditions.
- 2.8.70 This Prime Contractor is responsible for all miscellaneous metals, anchors, metal fabrications, pipe & tube railing, as shown on the plans and required per project specifications, for both campuses. There is no Metals Prime Contractor. All anchors and other elements called out in Division 5 shall be the responsibility of this Prime Contractor.
- 2.8.71 This Prime Contractor is responsible for coordinating, laying out, providing and installing FRP where shown and required at both sites.
- 2.8.72 This Prime Contractor is responsible for coordinating, laying out, providing and installing parapet cap, which includes patch/repair/paint of existing exterior plaster walls to match.
- 2.8.73 This Prime Contractor is responsible for coordinating, laying out, providing and installing roofing patch & repair, sheet metal flashing & trim and weather barriers as required per project documents and Division 7 specifications.
- 2.8.74 This Prime Contractor is responsible for coordinating, laying out, providing and installing gypsum board, cementitious backer board, dens shield, durock, hardi-board, moisture/mold resistant board, gypsum liner panels, all exterior gypsum board, densdeck and all dens-glass, fasteners, and wall and door protection, joint treatment material, metal trim, fasteners, adhesives, texture and accessories including drywall behind tackable wall panels and other specialty items, as required per contract documents.
- 2.8.75 This Prime Contractor is responsible for coordinating, laying out, providing and installing all mold resistant drywall for all top down priority walls and ceiling drywall areas.
- 2.8.76 This Prime Contractor is responsible for coordinating, laying out, providing and installing all rated enclosures, soffits, shafts, etc., for plumbing, electrical, HVAC ducting/piping, kitchen and other items as required by the Contract Documents.
- 2.8.77 This Prime Contractor is responsible for coordinating, laying out, providing and installing all final drywall configurations will match adjacent surfaces and be true and flush with adjacent construction. This may require custom sizes and/or shimming/furring as required.
- 2.8.78 This Prime Contractor is responsible for coordinating, laying out, providing and installing all sealants as required for use with this Bid Package including all necessary sealants where drywall or like material meets other materials including door and window frames, tile end caps, etc.
- 2.8.79 This Prime Contractor is responsible for coordinating, laying out, providing and installing all access doors and panels indicated on the Architectural Drawings, and installation only for all access doors/panels/hatches provided by other trades as required by actual job conditions.
- 2.8.80 This Prime Contractor is responsible for coordinating, laying out, providing and installing of four (4) extra access doors and/or panels, two (2) for each site, to be directed by the Construction Manager. All unused access panels shall be credit back to the Construction Manager via a deductive change order.
- 2.8.81 This Prime Contractor is responsible for coordinating, laying out, providing and installing all thermal and acoustical insulation and sealants associated with its work, as required by the Contract Documents.
- 2.8.82 All fire/smoke rated construction shall maintain continuous required ratings at all areas including penetrations, intersections of dissimilar construction, i.e., concrete, steel, etc. Include fire-safing, fire barrier sealants, drywall/taping compound etc. as required by the Contract Documents and by code requirements.

**BID PACKAGE #08 – FINISHES, CEILINGS, DRYWALL, PLASTER, DOOR FRAMES, ACCESS DOORS,
HARDWARE, INSULATION, PAINT & FINAL CLEAN DIVISION OF WORK**

- 2.8.83 This Prime Contractor is responsible for coordinating, laying out, providing and installing finish tape behind all equipment/fixtures, etc. as is consistent with the taping requirements of the area in question i.e. do not merely fire tape behind these areas.
- 2.8.84 This Prime Contractor is responsible for providing 200 labor hours, and the required material for patching of drywall work and painting, due to trade damage: 100 hours for each site. This is to be directed and signed for by the Construction Manager and is **in addition to all other included touch up required as part of your own activities**. All unused hours shall be credited back to the District.
- 2.8.85 This Prime Contractor to coordinate, layout, provide and install all interior drywall board and finishing (including texture) as required by the Contract Documents. Provide flat taped joints and surfaces on drywall backing board located behind ceramic tile. Provide fire rated and moisture resistant board & compounds where required by code and the Contract Documents. Include all trims, accessories, casings, corner/edge trims, texturing, reveals, moldings, etc. as required by the Contract Documents and for a complete job.
- 2.8.86 This Prime Contractor to coordinate, layout, provide and install all drywall & patching work at openings/penetrations required for other trades and equipment, i.e. ducts, fire dampers, pipes, conduits, lights, doors, frames, J-boxes, skylight shafts, draft stops, etc. This Prime Contractor is responsible to coordinate with other trades to assure that all such openings are properly located and sized and that they are laid out in a timely manner.
- 2.8.87 This Prime Contractor to coordinate, layout, provide and install all draft stopping, firesafing, and firestopping at walls, ceilings, floors, wall section, etc. as per the Contract Documents and as required by code.
- 2.8.88 This Prime Contractor is responsible for coordinating, laying out, providing and installing gypsum board fire rated enclosures for recessed light fixtures, electrical panels, etc., as required.
- 2.8.89 This Prime Contractor is responsible for coordinating, laying out, providing and installing all fasteners, adhesives, accessories and sundry items as required for a complete installation per contract documents.
- 2.8.90 This Prime Contractor is responsible for coordinating, laying out, providing and installing all joint sealers, as required.
- 2.8.91 This Prime Contractor is responsible for coordinating, laying out, providing and installing all thermal and acoustical insulation, fire safing, radiant heat barriers and insulation including, but not limited to batt, blanket, rigid (except at roofing application), acoustical, fire retardant, isolation, sag wires, stick pins, and all auxiliary insulation materials per contract documents and as required for a complete installation.
- 2.8.92 This Prime Contractor is responsible for coordinating, laying out, providing and installing head and bottom of wall acoustic and thermal installations including, but not limited to sealants, insulation, mineral wool and filler material per contract documents and as required for a complete installation.
- 2.8.93 This Prime Contractor is responsible for coordinating, laying out, providing and installing all adhesives, fasteners, tape, stick pins, wires, rods, wire mesh and accessories as required for a complete installation of insulation throughout at both horizontal and vertical installations.
- 2.8.94 This Prime Contractor is responsible to repair damaged drywall and prepare for repaint as necessary, after installation of all finishes, but before punchlist.

**BID PACKAGE #08 – FINISHES, CEILINGS, DRYWALL, PLASTER, DOOR FRAMES, ACCESS DOORS,
HARDWARE, INSULATION, PAINT & FINAL CLEAN DIVISION OF WORK**

- 2.8.95 Drywall preparation should include measures so that tape joints are not visible through paint finishes, and the drywall finish shall be at the level specified when viewed under high intensity lighting. Meet finish level specified at each campus per project documents, including matching existing.
- 2.8.96 This Prime Contractor is responsible for coordinating, laying out, providing and installing all caulking between all frames, including but not limited to hollow metal frames and any adjoining finish surface or connection to another Prime's finish work.
- 2.8.97 This Prime Contractor is responsible for coordinating, laying out, providing and installing sealants, caulking, and fire stopping at own penetrations. Provide caulking at all dissimilar materials.
- 2.8.98 This Prime Contractor is responsible for preparation of finish surfaces to receive own work and work of others per contract documents. Coordinate openings with Glazing and other Prime Contractors.
- 2.8.99 This Prime Contractor shall exercise special care to avoid damage to other trades finishes. This Prime Contractor will be held responsible for repairs and cleaning resulting from damage by careless operations and installation.
- 2.8.100 This Prime Contractor is responsible to inspect all surfaces to receive own work. Promptly notify Construction Manager of any unsuitable substrate conditions. Commencement of installation implies acceptance of all substrate conditions.
- 2.8.101 This Prime Contractor shall coordinate, provide and deliver all required maintenance (attic) stock as required by the Contract Documents. Properly label, package, deliver and store individual materials at direction of the Construction Manager.
- 2.8.102 This Prime Contractor is responsible for protection of own work after installation. Replace damaged areas. Do not reuse broken or damaged units.
- 2.8.103 This Prime Contractor is responsible for coordinating, laying out, providing and installing all hollow-metal doors and frame assemblies complete, including but not limited to fire rated systems, windows, glass/glazing, transoms, exterior HM door heads, mullions, moldings, louvers, vents, hardware, head and jamb stops, glazing stops, back boxes, fasteners, door seals, anchors, reinforcing for hardware and all accessories and sundry items required for a complete and operable system, per contract documents.
- 2.8.104 This Prime Contractor is responsible for coordinating, laying out, providing and installing hollow metal door/window frame combinations where required. Glass in wood and hollow metal doors, and at exterior hollow metal door head/transom to be provided and installed by this Prime Contractor. BP 07 Glazing is not responsible for glass within a hollow metal, hollow metal door heads or wood doors.
- 2.8.105 This Prime Contractor is responsible for coordinating, laying out, providing and installing finish hardware complete, including but not limited to specified finish, magnetic holders, hinges, lock and latch sets, closers, panic hardware, closers, kick plates, trim, lockguards, door stops, seals, thresholds, through bolts, silencers, pad locks, rated hardware, rated doors and frames, etc., and all accessories and sundry items required for a complete operational system, per contract documents. Coordinate with Concrete and other Prime Contractors as required for complete and functional systems.
- 2.8.106 This Prime Contractor is responsible for Compliance and Certification with Woodwork Institute of California (W.I.C.).

**BID PACKAGE #08 – FINISHES, CEILINGS, DRYWALL, PLASTER, DOOR FRAMES, ACCESS DOORS,
HARDWARE, INSULATION, PAINT & FINAL CLEAN DIVISION OF WORK**

- 2.8.107 This Prime Contractor is responsible for coordinating, laying out, providing and installing all solid-core wood doors, veneer faces, including factory finish, finish carpentry wood doors, and all other miscellaneous and ancillary items as required for a complete and operable installation, per contract documents. Glass in wood and hollow metal doors, and at exterior hollow metal door head/transom to be provided and installed by this Prime Contractor. BP 07 Glazing is not responsible for glass within a hollow metal, hollow metal door heads or wood doors.
- 2.8.108 This Prime Contractor is responsible for coordinating and providing all final adjustments, including shimming, to assure proper operation of doors, windows, hardware, stops, closures, etc., as needed and as required by applicable codes.
- 2.8.109 This Prime Contractor will order and supply permanent cylinders (cores) and keys using secured shipment direct from point of origination to District Locksmith to be installed by the owner. Coordinate keying with General Contractor.
- 2.8.110 This Prime Contractor is responsible for coordinating, laying out, providing and installing temporary construction locks until final keying by owner.
- 2.8.111 This Prime Contractor is responsible for coordinating, receiving, unloading, inventorying, storing, transporting, protecting and installing all materials for own work, including but not limited to hollow metal frames, doors, hardware, etc.
- 2.8.112 This Prime Contractor is responsible for coordinating, laying out, providing and installing thresholds in compliance with ADA requirements, per contract documents. Coordinate threshold installation with Finishes Prime Contractor as required.
- 2.8.113 All welding to be performed by certified welders only. Certified welders must present acceptable credentials to the inspector of record, prior to beginning of work. Provide fire watch continuously during all welding activities.
- 2.8.114 This Prime Contractor is responsible for preparation of finish surfaces to receive own work per contract documents. Coordinate openings with Rough Carpentry and Concrete Prime Contractors.
- 2.8.115 This Prime Contractor is responsible for protection of own work after installation. Replace damaged areas. Do not reuse broken or damaged units.
- 2.8.116 This Prime Contractor is responsible for final adjustment of own work upon completion of installation. Adjustment shall meet all ADA and project requirements.
- 2.8.117 This Prime Contractor is responsible for coordinating, laying out, providing and installing all glass and glazing shown within own work, including but not limited to side lites, door windows, sealants, primers, setting blocks, edge blocks, spacers, shims, clips, pre-formed gaskets, compressible filler rods, mastic, weather stripping, fasteners, adhesives and all miscellaneous accessories and sundry items required for a turn key and complete installation, per contract documents.
- 2.8.118 This Prime Contractor is responsible for removing and reinstalling glass stops, as needed for a complete and finished system.
- 2.8.119 This Prime Contractor is responsible for complying with inspection requirements, including meeting prior notification requirements.
- 2.8.120 This Prime Contractor is responsible for coordinating, laying out, providing and installing all suspended ceiling systems complete, including but not limited to ceiling grids, framing, acoustical ceiling panels, hanger wires, all attachments to structure, compression posts, struts, hanger wires for light fixtures, trim, wall angles, splices, devices, etc., for a complete installation per contract

**BID PACKAGE #08 – FINISHES, CEILINGS, DRYWALL, PLASTER, DOOR FRAMES, ACCESS DOORS,
HARDWARE, INSULATION, PAINT & FINAL CLEAN DIVISION OF WORK**

documents, industry and reference standards. **NOTE: existing grid to be protected in place and reused where indicated at the projects, especially important to note at FAEC. At these locations, new ceiling tile shall be provided and installed in existing grid. Paint and repair existing grid where needed. Unless otherwise noted, the acoustical ceiling grid and tile shall be assumed to be new.**

- 2.8.121 This Prime Contractor is responsible for coordinating, laying out, providing, installing and tying off all acoustical ceilings and wood panel ceilings, including grid, acoustical lay-in ceiling panels, acoustical tiles, luminous ceiling panels, hanger wires, compression struts, hanger wires for light fixtures and air distribution devices, trim, wall angle, moldings, splices, devices, etc. for a complete installation per contract documents and code requirements.
- 2.8.122 This Prime Contractor is responsible for coordinating, laying out, providing and installing all Architectural Vinyl Graphic Films, complete, including all appurtenances, trims, etc. as required for a complete installation.
- 2.8.123 This Prime Contractor is responsible for coordinating, laying out, providing and installing all Wall Coverings and Resilient Tackable Wall covering, complete, including but not limited to all trim/frame, substrate fillers, caulk, primer termination trim as required for a complete and finished installation. This Prime Contractor to coordinate with other Prime Contractors as required for electrical or HVAC controls and provide clean and finished cut outs to accommodate these elements, and any associated trim or caulking where required for a finished appearance.
- 2.8.124 This Prime Contractor is responsible for coordinating, laying out, providing and installing all Sound-Absorbing Wall and Ceiling Units, complete, including but not limited to trim moldings, fixing clips, furring strips, panel adhesive, etc. as required for a complete and finished installation. Coordinate with Electrical and HVAC Prime Contractors to insure no conflicts with light switches, AV, controls, or other building elements.
- 2.8.125 This Prime Contractor is responsible for coordinating, laying out, providing and installing all interior and exterior painting, High Performance Coatings, prep, primer, coatings, for a complete system per contract documents for all finishes including but not limited to drywall, hollow metal frames, backboards, plywood, etc. This Prime Contractor responsible to paint "corner to corner" at all areas to ensure uniformity between areas being improved and areas of the building that are existing and shown to remain.
- 2.8.126 This Prime Contractor is responsible to inspect all surfaces to receive own work. Promptly notify Construction Manager of any unsuitable substrate conditions. Commencement of installation implies acceptance of all substrate conditions. This Prime Contractor is responsible for preparation of finish surfaces to receive own work per contract documents.
- 2.8.127 This Prime Contractor is responsible for priming and paint all sides of the hollow metal frames, for both doors and windows, prior to their installation.
- 2.8.128 This Prime Contractor is responsible for coordinating, laying out, providing and installing primers, sealers, fillers and surface preparations required for own work.
- 2.8.129 This Prime Contractor is responsible for painting of all walls, ceilings, mechanical, and electrical equipment, duct, conduit, pipe, etc. that will remain exposed, per contract documents. This includes painting the existing ceiling grid shown to protect and remain in place and shown to be re-used with new ceiling tile.
- 2.8.130 This Prime Contractor is responsible for the placement of waste cloths and used painting materials that may constitute a fire hazard in closed metal containers and remove daily from site.

**BID PACKAGE #08 – FINISHES, CEILINGS, DRYWALL, PLASTER, DOOR FRAMES, ACCESS DOORS,
HARDWARE, INSULATION, PAINT & FINAL CLEAN DIVISION OF WORK**

- 2.8.131 This Prime Contractor is responsible to store paint materials in a single suitable place in compliance with OSHA, health and fire regulations. Keep such storage place neat and clean, void of oily or solvent containing rags, waste, etc., taking every precaution to avoid the danger of fire.
- 2.8.132 This Prime Contractor is responsible for removal of all oil residues at areas scheduled to receive paint or finishes.
- 2.8.133 This Prime Contractor is responsible to coordinate, layout, provide and install all paint prior to the installation of any casework, mounted signs, or other finish or specialty items, etc. Full wall surface shall be painted, or finish covered including the areas that will be concealed by another trade's work.
- 2.8.134 This Prime Contractor is responsible to coordinate, layout, provide and install all painting of plaster, and other finishes as required per contract documents.
- 2.8.135 This Prime Contractor is responsible to coordinate, layout, provide and install all touch-up of paint and finishes to new and existing areas as required by normal damages, splatters and marring caused by the process of construction work.
- 2.8.136 This Prime Contractor is responsible to coordinate, layout, provide and install all sealing and finishing of exposed edges of all doors (metal & wood) including the top and bottom.
- 2.8.137 This Prime Contractor is responsible to coordinate, layout, provide and install all caulking/fillers at joints/gaps between Hollow Metal frames and drywall and similar building components as required to produce a complete and finished appearance.
- 2.8.138 This Prime Contractor is responsible to coordinate, layout, provide and install all priming, back priming and sealing of all electrical, communication and telephone equipment backboards. Back prime exposed exterior finish and trim lumber which will require coordination with the Framing Contractor.
- 2.8.139 This Prime Contractor shall provide as many coats of paint as required to cover the painted surfaces to the Architect's satisfaction. The specified number of coats shall be regarded as a minimum.
- 2.8.140 This Prime Contractor acknowledges that finish coats will be scheduled by the Construction Manager and in such a manner so that final coat of painting shall be applied after the completion of all basic work in the building (on an area-by-area basis) and entirely separate from the prime and first coats. Prior to the application of the finish coat in any area, this Prime Contractor shall patch minor damage to finished walls, etc.
- 2.8.141 Prior to painting, all accessories, hardware, switch plates, light fixtures and similar items are to be protected or removed by this Prime Contractor. All such accessories so removed shall also be replaced by this Prime Contractor after painting is completed.
- 2.8.142 This Prime Contractor shall properly prepare all surfaces as necessary, prior to commencement of his work, in accordance with the specification and good standard practice. The following shall be considered the minimum standard of preparation for various surfaces:
 - a) All surfaces shall be cleaned "tack ragged" free of loose dirt and dust.
 - b) Metal surfaces shall be solvent washed (turpentine or similar) to remove any dirt and grease.
 - c) Where rust or scale is present, it shall be wire-brushed or sandpapered clean.
 - d) Shop coats of paint or primer that have become marred shall be cleaned and touched up with an approved primer.
 - e) All galvanized metal surfaces shall be cleaned and one coat of galvanized metal primer applied

**BID PACKAGE #08 – FINISHES, CEILINGS, DRYWALL, PLASTER, DOOR FRAMES, ACCESS DOORS,
HARDWARE, INSULATION, PAINT & FINAL CLEAN DIVISION OF WORK**

in accordance with manufacturer's directions.

- f) Door frames shall be cleaned free of paint, concrete, grout, adhesive, plaster or joint compound prior to painting (after other trades perform their obligation).
 - g) Bondo / repair all dings and dents to HM door & window frames. (excessive damage shall be brought to the attention of the Construction Manager prior to beginning the repair work.)
 - h) Drywall and similar surfaces shall receive "painter's prep" (i.e. spackling of minor gouges/nicks/dents/etc., sanding, etc.) as required
- 2.8.143 This Prime Contractor includes all booms/ladders/lifts/equipment/etc. as required to perform own work.
- 2.8.144 This Prime Contractor is aware that the HVAC system may not be operational at the time its work is being performed and this Prime Contractor understands that all ventilation will be natural and that the Construction Manager will not provide fans, heaters or other equipment to condition or ventilate areas. This Prime Contractor shall provide space heaters and/or fans as required to ventilate areas receiving finishes.
- 2.8.145 This Prime Contractor is responsible for performing final cleaning for all areas improved, at both campuses, **twice**, once pre-punch and once post-punch. And shall also include an additional **16 hours of final clean, for each site (total of 32 hours), to be directed by the CM.** Final cleaning shall include all areas improved inside and out, **including hallways and other paths of travel utilized by all Prime Contractors to access and perform their work.** Cleaning to include, but is not limited to interior glass, window frames, sills, cleaning of cabinetry and shelving inside and out, cleaning of restrooms, restroom fixtures, restroom toilet partitions, restroom accessories, mirrors and equipment, closets and storage areas, wiping of doors, jambs and thresholds, wiping of walls, sweeping and mopping floors, vacuuming carpet areas and wiping base, spot cleaning carpet as needed, waxing or polishing floors, power washing all concrete at areas used by Prime Contractors to access and perform their work, including the jobsite office and laydown area.
- 2.8.146 This Prime Contractor is responsible for coordinating with each Prime Contractor, Architect, Consultant and Construction Manager, as required for coordination and proper installation of own work, as it pertains to this bid package, including but not limited with Electrical Prime Contractor, Flooring Prime Contractor, Rough Carpentry Prime Contractor, Specialties Prime Contractor, etc. Coordination may include additional site visits, coordination meetings and providing additional copies of submittals, shop drawings and coordination drawings.
- 2.8.147 This Prime Contractor is responsible for providing and installing work free of any damage. Damaged material will be rejected and must be replaced without delay to the project, at no additional costs.
- 2.8.148 This Prime Contractor is responsible for providing protection of own work, after installation and until occupancy. This Prime Contractor is responsible for removing and disposing of any protection utilized.
- 2.8.149 This Prime Contractor is responsible to inspect all surfaces, openings, ceilings, fixtures, etc., where own work will be installed. Promptly notify Construction Manager of any coordination issues or unsuitable conditions. Commencement of installation implies acceptance of all conditions.
- 2.8.150 This Prime Contractor is responsible to provide and manage Construction Personnel toilets complete, including hand wash stations, 30-gallon trash cans, at least one dedicated women's

**BID PACKAGE #08 – FINISHES, CEILINGS, DRYWALL, PLASTER, DOOR FRAMES, ACCESS DOORS,
HARDWARE, INSULATION, PAINT & FINAL CLEAN DIVISION OF WORK**

restroom at the office compound and on site, at both sites, and other amenities required per OSHA and shall do so for entire project duration. Service toilets and hand wash stations twice a week. Dump trash cans at least once a week or as required to prevent overflow. **For each project site,** assume five (5) men and one (1) women toilets with trays, three (3) hand wash stations with trays, and two (2) trash cans for construction personnel. **At both sites, assume on-site CM and IOR will require separate units;** for each site provide one (1) men and one (1) women restroom, plus a hand wash station and tray, and trash can which shall be located near the project trailers and also serviced twice per week for the duration of the project. All women's, site and CM's restrooms shall have key or combination locks provided and appropriate signage indicating gender.

- 2.8.151 The Finishes Prime Contractor shall provide during the project, **for each project,** fifteen (15) 40-yard dumpsters; five (5) 40 yard co-mingle recycle dumpster and six (6) 3-yard trash dumpsters, for use by all Prime Contractors. Finishes Prime Contractor to include the maintenance, dump, return and removal of same at least once per week. Waste tickets shall be tracked and provided to the CONSTRUCTION MANAGER each month. **All unused dumps shall be credited back to the Construction Manager via deductive change order.** The Finishes Prime Contractor is responsible to provide and manage project waste diversion needs for all Prime Contractors, except for the Demolition / Abatement Prime Contractor, and shall do so for both projects, and for the entire project duration. The Demolition Prime Contractor shall provide own dumpsters and removal for demolition and hazardous materials.
- 2.8.152 This Prime Contractor is responsible for coordinating, providing and maintaining, **at each project,** ten (10) 30-gallon trash cans with bags at each building and throughout the site, fastened to metal post in the ground or to fence. Remove trash daily as to keep rodents off of site and out of buildings. Trash cans to be labeled "Food and Drink Debris Only".
- 2.8.153 This Prime Contractor responsible for providing, **at each site,** eight (8) fire extinguishers, on wooden stands for use by all Prime Contractors through the site. Ensure all are tagged and tested for duration of project.
- 2.8.154 This Prime Contractor shall provide and service temporary fire extinguishers throughout the building, as required by the local fire authority during the entire construction duration following concrete pour and demolition. Each extinguisher will be highly visible and affixed to a minimum 1' X 3' red plywood backing board not exceeding 75' apart and at each exit.
- 2.8.155 This Prime Contractor to provide wayfinding signage, CONSTRUCTION PERSONNEL ONLY signage, and other signage required, at each site, to properly and safely direct both construction and student/staff traffic. See site logistics plans. Provide stands for pedestrian signage at sidewalk access points.
- 2.8.156 Provide COVID testing station, pop-up tent, plexi-glass and folding table, for each site where each worker will check-in for temperature checks daily. CM will provide touch-free thermometer and no-symptom confirmation/tracking app. See Attachment K for more information.
- 2.8.157 This Prime Contractor is responsible for providing one qualified laborer **75 hours for WHHS and 75 hours for FAEC** for general site and building cleanup, safety maintenance, temporary weather protection or for discretionary use as directed by the Construction Manager. All hours to be directed and documented by Construction Manager, with all unused hours credited back, via a deductive change order.

END OF BID PACKAGE

**BID PACKAGE #09 – FLOOR COVERINGS, CARPET, RESILIENT FLOORING & CERAMIC TILE DIVISION OF
WORK**

- 2.9. BID PACKAGE NUMBER #09 - FLOOR COVERINGS, CARPET, RESILIENT FLOORING & CERAMIC TILE –**
Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple bid packages for a complete turnkey and operable system at the school site Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, which shall include, but not be limited to the following;

- 2.9.1 FAEC | As-Built Documents | Attachment O
- 2.9.2 FAEC | Titan ES | Technical Specifications | Attachment G
- 2.9.3 FAEC | Titan ES | Hazardous Materials Survey Report & Floor Plan | Attachment H
- 2.9.4 FAEC | Titan ES | Hazardous Materials Abatement Specifications | Attachment I
- 2.9.5 FAEC | Ruhnau Clarke Architects | Drawings | Attachment E
- 2.9.6 FAEC | Ruhnau Clarke Architects | Specifications
- 2.9.7 FAEC | Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
- 2.9.8 FAEC | Ruhnau Clarke Architects | 01 00 00 – General Requirements – Complete
- 2.9.9 FAEC | Ruhnau Clarke Architects | 03 01 00 - Maintenance of Concrete
- 2.9.10 FAEC | Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
- 2.9.11 FAEC | Ruhnau Clarke Architects | 09 05 61 - Common Work Results for Flooring Preparation
- 2.9.12 FAEC | Ruhnau Clarke Architects | 09 30 00 - Tiling
- 2.9.13 FAEC | Ruhnau Clarke Architects | 09 65 00 - Resilient Flooring
- 2.9.14 FAEC | Ruhnau Clarke Architects | 09 68 13 - Tile Carpeting
- 2.9.15 GUHSD | Front End Bid & Contract Documents
- 2.9.16 WHHS | As-Built Documents | Attachment N
- 2.9.17 WHHS | Group Delta | Hazardous Building Material Abatement Specifications | Attachment J
- 2.9.18 WHHS | Group Delta | Technical Lead-Related Specifications | Attachment F
- 2.9.19 WHHS | Ruhnau Clarke Architects | Drawings | Attachment D
- 2.9.20 WHHS | Ruhnau Clarke Architects | Specifications
- 2.9.21 WHHS | Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
- 2.9.22 WHHS | Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
- 2.9.23 WHHS | Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
- 2.9.24 WHHS | Ruhnau Clarke Architects | 09 05 61 - Common Work Results for Flooring Preparation
- 2.9.25 WHHS | Ruhnau Clarke Architects | 09 65 00 - Resilient Flooring
- 2.9.26 WHHS | Ruhnau Clarke Architects | 09 68 13 - Tile Carpeting

- 2.9.27 This Prime Contractor is responsible for coordinating, receiving, unloading, inventorying, storing, transporting, protecting and installing all materials for own work.
- 2.9.28 This Prime Contractor is responsible for preparation of finish surfaces to receive own work and work of others per contract documents.

**BID PACKAGE #09 – FLOOR COVERINGS, CARPET, RESILIENT FLOORING & CERAMIC TILE DIVISION OF
WORK**

- 2.9.29 This Prime Contractor is responsible for coordinating, laying out, providing and installing all resilient flooring and floor base and all accessories, including but not limited to adhesives, fillers, sealer, wax, moisture mitigation, concrete testing, patching, leveling, transition/reducing strips, primer, and all other necessary sundry items for a complete system per contract documents.
- 2.9.30 This Prime Contractor is responsible for coordinating, laying out, providing and installing all tile carpeting, including but not limited to subfloor prep, ardex, leveling compound, resilient trim, seam sealer, primer, tufted carpet, carpet cushion, adhesives, metal edges and all other necessary sundry items for a complete system per contract documents.
- 2.9.31 This Prime Contractor shall coordinate, layout, provide all vacuuming and cleaning of all installed surfaces after completion of work to remove excess glue and materials for clean and professional finish.
- 2.9.32 This Prime Contractor shall exercise special care to avoid damage to other trades finishes. This Prime Contractor will be held responsible for repairs and cleaning resulting from damage by careless operations and installation.
- 2.9.33 This Prime Contractor shall extend all flooring under all casework, storage cabinets, countertops/casework and other equipment without bottoms as specified.
- 2.9.34 This Prime Contractor is responsible for coordinating, laying out, providing and installing all cover caps, reducers, transitional moldings, fasteners, adhesives, accessories and sundry items, as required for a complete installation per contract documents.
- 2.9.35 This Prime Contractor is responsible for coordinating, laying out, providing and installing moisture vapor emission control system & seal, for all areas regardless of finish flooring type and regardless of moisture and alkalinity testing results. It should be assumed that the moisture vapor emission control system is required in all spaced being improved, again, regardless of finish flooring type. This Prime Contractor to conduct necessary testing to determine level of emittance for moisture and alkalinity and provide testing result reports for project record. This system should be provided complete, including but not limited to scarification of slab, crack prep and treatment, etc. for a complete system, per contract documents.
- 2.9.36 This Prime Contractor is responsible for coordinating, and performing concrete moisture remediation complete, as a time saving measure, no testing will be required. Assume moisture, humidity, alkalinity, etc. exceed flooring recommendations, and plan to apply moisture and vapor remediation and control system complete, in all areas being improved. Complete remediation system to be installed regardless of finish type and shall be installed per manufacturer requirements and recommendations.
- 2.9.37 This Prime Contractor is required for all patching compounds suitable for and compatible with finish flooring products. This Prime Contractor is responsible to provide, coordinate and install all remedial floor coatings, adhesives, etc.
- 2.9.38 This Prime Contractor is responsible for preparation of finish surfaces per Contract Documents to receive own work per contract documents.
- 2.9.39 This Prime Contractor is responsible to inspect all surfaces to receive own work. Promptly notify Construction Manager of any unsuitable substrate conditions. Commencement of installation implies acceptance of all substrate conditions.
- 2.9.40 This This Prime Contractor is responsible to provide leveling coats where required to meet minimum variations in tolerance. This should be expected at areas where existing slab will remain. It shall be assumed that the existing slab is **not** within tolerances specified and required for new work. Cleaning, curing, covering of installed work including ventilation and temperature control.

**BID PACKAGE #09 – FLOOR COVERINGS, CARPET, RESILIENT FLOORING & CERAMIC TILE DIVISION OF
WORK**

- 2.9.41 This Prime Contractor is responsible to coordinate, layout, provide and install floor filling, leveling and underlayment of subfloor substrate as specified and required by "job conditions". New concrete floor surfaces will be provided to this Prime Contractor within the specified tolerance. Surface preparation consisting of the following items is included in this scope of work: filling/leveling at "cold joints", "control joints", "blockouts", and at perimeter conditions of elevated floors such as stone, wood, etc.
- 2.9.42 This Prime Contractor shall coordinate, inspect and accept all sub floor substrate conditions before applying any flooring materials. This includes checking "levelness", proper adhesion, etc.
- 2.9.43 This Prime Contractor shall coordinate, layout, provide and install base material continuously on all vertical surfaces in all areas where flooring work occurs. Base material shall be installed around cabinets, foot wells, alcoves and other permanently attached building fixtures and components.
- 2.9.44 This Prime Contractor is responsible for coordinating, laying out, providing and installing all ceramic tile, floor and wall tile, including but not limited to mosaic tile, porcelain tile, porcelain floor & base, glazed tile, waterproofing, anti-crack and/or crack isolation membrane, metal edge strips, mortar beds, thin set, grout, joints, pans, divider strips, marble thresholds and all other necessary sundry items for a complete system per contract documents.
- 2.9.45 This Prime Contractor is responsible for preparation of finish surfaces to receive own work per contract documents.
- 2.9.46 This Prime Contractor is responsible for coordinating, providing and installing damp-proofing and waterproofing, as applies to own work, per contract documents.
- 2.9.47 This Prime Contractor is responsible to coordinate, layout and cover floor tile until Substantial Completion. This Prime Contractor is responsible for protection of own work after installation. Replace damaged areas. Do not reuse broken or damaged units.
- 2.9.48 This Prime Contractor is responsible for coordinating, laying out, providing and installing thresholds in compliance with ADA requirements, per contract documents. Coordinate threshold installation with other finishes as required.
- 2.9.49 This Prime Contractor shall extend all tile flooring under all casework, storage cabinets, countertops/sinks and other equipment without bottoms as specified.
- 2.9.50 This Prime Contractor shall coordinate, provide, install, maintain, and remove concrete washout bins required for own scope of work; continuously and daily, if required.
- 2.9.51 This Prime Contractor shall coordinate, layout, provide and install all mud set and/or thin set porcelain, ceramic, mosaic, quarry, and paver tile work as specified and required by the Contract Documents. This scope includes all interior tile work as indicated by the Construction Documents.
- 2.9.52 This Prime Contractor is responsible to coordinate with Concrete Prime Contractor to ensure that the concrete subfloor is recessed to the correct depth and that the concrete surface is prepared appropriately to receive ceramic tile. Coordinate all work with the Concrete Prime Contractor for slope to drain areas and Plumbing Prime Contractor for elevations of all floor drains and cleanouts.
- 2.9.53 This Prime Contractor shall perform adhesion tests per the Tile Council of America and the Ceramic Tile Institute recommendations on floor substrate prior to installing work. Provide test results and immediately inform General Prime Contractor of any problems. In addition, Prime Contractor shall provide test reports to confirm compliance with required slip resistant surface criteria for tile products.
- 2.9.54 This Prime Contractor shall coordinate, layout, provide and install all grouts, sealants and caulking as required for ceramic tile work.

**BID PACKAGE #09 – FLOOR COVERINGS, CARPET, RESILIENT FLOORING & CERAMIC TILE DIVISION OF
WORK**

- 2.9.55 This Prime Contractor shall coordinate, layout, provide and install all expansion joints, control joints and sealant materials for a complete and watertight installation.
- 2.9.56 This Prime Contractor shall coordinate, layout, provide and install all divider strips, trimmers, cove base and accessories where tile transitions to a dissimilar surface or material.
- 2.9.57 This Prime Contractor shall coordinate, layout, provide and install all cutting and adjusting tile for floor boxes, drains, expansion joints, etc. to provide a finished product.
- 2.9.58 This Prime Contractor shall coordinate, flood test all tile floors in the presence of the General Prime Contractor prior to installation of protective coverings. This Prime Contractor shall correct any areas that “pond” or drain poorly.
- 2.9.59 This Prime Contractor shall coordinate, layout, provide and install all masonite and heavy non-staining paper with taped joints over all tile floor surfaces for curing and protection purposes. Protection shall be placed immediately after flood testing/installation as directed. Prime Contractor is responsible for maintaining this protection until directed by the Construction Manager for removal by this bid package.
- 2.9.60 This Prime Contractor shall coordinate and layout for recessed and semi-recessed accessories with other Prime Contractors so that a finished and professional tile installation is achieved.
- 2.9.61 This Prime Contractor shall coordinate, provide and deliver all required maintenance (attic) stock as required by the Contract Documents. Properly label, package, deliver and store individual materials at direction of the Construction Manager.
- 2.9.62 This Prime Contractor is responsible for protection of own work after installation. Replace damaged areas. Do not reuse broken or damaged units.
- 2.9.63 This Prime Contractor is responsible for coordinating, laying out, providing and installing thresholds in compliance with ADA requirements, per contract documents. Coordinate threshold installation with Finishes Prime Contractor as required.
- 2.9.64 This Prime Contractor is responsible for providing one qualified laborer **16 hours for WHHS and 25 hours for FAEC** for general site and building cleanup, safety maintenance, temporary weather protection or for discretionary use as directed by the Construction Manager. All hours to be directed and documented by Construction Manager, with all unused hours credited back, via a deductive change order.

END OF BID PACKAGE

BID PACKAGE #10 – SPECIALTIES, TOILET ACCESSORIES, PLASTIC TOILET COMPARTMENTS, FIXED SEATINGS & SIGNAGE DIVISION OF WORK

- 2.10. **BID PACKAGE #10 – “SPECIALTIES, TOILET ACCESSORIES, PLASTIC TOILET COMPARTMENTS, FIXED SEATINGS & SIGNAGE”** – Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple bid packages for a complete turnkey and operable system at the school site Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, which shall include, but not be limited to the following;

- 2.10.1 FAEC I As-Built Documents I Attachment O
- 2.10.2 FAEC I Titan ES I Technical Specifications I Attachment G
- 2.10.3 FAEC I Titan ES I Hazardous Materials Survey Report & Floor Plan I Attachment H
- 2.10.4 FAEC I Titan ES I Hazardous Materials Abatement Specifications I Attachment I
- 2.10.5 FAEC I Ruhnau Clarke Architects | Drawings I Attachment E
- 2.10.6 FAEC I Ruhnau Clarke Architects | Specifications
- 2.10.7 FAEC I Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
- 2.10.8 FAEC I Ruhnau Clarke Architects | 01 00 00 – General Requirements – Complete
- 2.10.9 FAEC | Ruhnau Clarke Architects | 05 05 19 – Post-Installed Concrete Anchors
- 2.10.10 FAEC I Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
- 2.10.11 FAEC I Ruhnau Clarke Architects | 10 11 00 - Visual Display Units
- 2.10.12 FAEC I Ruhnau Clarke Architects | 10 14 00 – Signage
- 2.10.13 FAEC I Ruhnau Clarke Architects | 10 14 53 – Traffic, Parking and Site Signage
- 2.10.14 FAEC I Ruhnau Clarke Architects | 10 21 13.19 - Plastic Toilet Compartments
- 2.10.15 FAEC I Ruhnau Clarke Architects | 10 28 00 - Toilet Accessories
- 2.10.16 FAEC I Ruhnau Clarke Architects | 10 44 00 - Fire Protection Specialties
- 2.10.17 FAEC I Ruhnau Clarke Architects | 10 51 13 - Metal Lockers
- 2.10.18 FAEC I Ruhnau Clarke Architects | 12 15 00 - Display System
- 2.10.19 GUHSD | Front End Bid & Contract Documents
- 2.10.20 WHHS I As-Built Documents I Attachment N
- 2.10.21 WHHS | Group Delta I Hazardous Building Material Abatement Specifications I Attachment J
- 2.10.22 WHHS | Group Delta I Technical Lead-Related Specifications I Attachment F
- 2.10.23 WHHS I Ruhnau Clarke Architects | Drawings I Attachment D
- 2.10.24 WHHS I Ruhnau Clarke Architects | Specifications
- 2.10.25 WHHS I Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
- 2.10.26 WHHS I Ruhnau Clarke Architects | 01 00 00 – General Requirements – Complete
- 2.10.27 WHHS I Ruhnau Clarke Architects | Division 02 – Existing Conditions - Complete
- 2.10.28 WHHS I Ruhnau Clarke Architects | 05 05 19 - Post-Installed Concrete Anchors
- 2.10.29 WHHS I Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
- 2.10.30 WHHS I Ruhnau Clarke Architects | 10 11 00 - Visual Display Units

BID PACKAGE #10 – SPECIALTIES, TOILET ACCESSORIES, PLASTIC TOILET COMPARTMENTS, FIXED SEATINGS & SIGNAGE DIVISION OF WORK

- 2.10.31 WHHS | Ruhnau Clarke Architects | 10 14 00 - Signage
- 2.10.32 WHHS | Ruhnau Clarke Architects | 10 22 39 - Folding Panel Partitions
- 2.10.33 WHHS | Ruhnau Clarke Architects | 10 44 00 - Fire Protection Specialties
- 2.10.34 WHHS | Ruhnau Clarke Architects | 11 53 00 - Laboratory Equipment
- 2.10.35 WHHS | Ruhnau Clarke Architects | 12 61 10 - Fixed Lecture Seating

- 2.10.36 This Prime Contractor shall be responsible to coordinate, layout and provide backing drawings to the Construction Manager, Finishes Prime Contractor and Rough Carpentry Prime Contractor for own scope of work, for each site, complete, prior to the framing sequence noted in the current construction schedule. If these are not identified prior to the commencement of framing, this Prime Contractor shall be responsible for all required backing including all demolition and rework associated.
- 2.10.37 This Prime Contractor is responsible for coordinating, laying out, providing and installing all visual display units complete, including but not limited to markerboards, tackboards, trim, termination and transition strips, trays and accessories, as required per Division 10 Specifications for a complete installation.
- 2.10.38 This Prime Contractor is responsible for coordinating, laying out, providing and install all interior and exterior signage, identification signs, restroom signs, exterior building identification signs, plaque, identification devices, ADA, including but not limited to backing, adhesives, fasteners, caulking, accessories, brackets, cabinets, software, training, aluminum reveal, etc., as required for a complete installation, per contract documents.
- 2.10.39 This Prime Contractor is responsible for coordinating, removing, laying out and re-installing all existing signage, soap dispensers, paper towel dispensers, **and other specialty items shown to remove and replace**. Protect and store on site until time to re-install. Re-install all existing signage and other specialty items where indicated, as though it were new. Ensure all brackets, mounting, caulking, etc. are provided, applied and installed for a complete and like-new appearance. Coordinate with Demolition Prime Contractor as necessary. If the items shown in the plans to remove and reinstall is a Specialties item, it is the responsibility of this Prime Contractor to coordinate the careful removal of said item(s) and secure, clean and dry storage of same. Ensure items are removed in advance of the demolition activities.
- 2.10.40 This Prime Contractor is responsible for coordinating, laying out, providing and installing all joint sealers and firestopping, as required for own work and where own work abuts the work of others to ensure a completed and finished appearance.
- 2.10.41 This Prime Contractor is responsible for coordinating, laying out, providing and installing all floor, ceiling and wall mounted plastic toilet compartments, urinal screens including but not limited to all grab bars, latches, hinges, door pull, wall stops, coat/purse hooks, fasteners, brackets, straps, hardware, anchors, post-installed concrete anchors, fasteners, adhesives, certifications and accessories as required for a complete installation.
- 2.10.42 This Prime Contractor is responsible for coordinating, laying out, providing and installing all equipment and materials necessary to refurbish the existing moveable wall to ensure smooth operation, as noted on WHHS plans, item 02.217 and as outlined in the above noted specification section for Folding Panel Partitions.

BID PACKAGE #10 – SPECIALTIES, TOILET ACCESSORIES, PLASTIC TOILET COMPARTMENTS, FIXED SEATINGS & SIGNAGE DIVISION OF WORK

- 2.10.43 This Prime Contractor is responsible for coordinating, laying out, providing and installing all toilet accessories, including but not limited to mirrors, toilet paper rolls, soap dispensers, seat cover dispensers, coat hooks, sanitary napkin dispensers, folding shower seats, shelving, paper towel dispensers, waste receptacles, grab bars and all supports, fasteners, adhesives and accessories as required for a complete installation, per contract documents. Provide toilet room accessories in style, finish and quantity as specified or shown on plans and specifications.
- 2.10.44 This Prime Contractor is responsible for coordinating, laying out, providing and installing all Fire Protection Specialties complete, including but not limited to recessed & semi-recessed fire extinguisher cabinets, fire extinguishers (all tested, tagged and confirmed operational), door, handles, brackets, caulking, trim, hinges, tempered glass, mounting hardware, etc. as required for a complete and finished installation. Coordinate with Rough Carpentry & Finishes Prime Contractor for all locations to ensure no conflicts with other building elements and to ensure framing is coordinated to properly accommodate recessed and semi-recessed cabinets.
- 2.10.45 This Prime Contractor is responsible for coordinating, laying out, providing and installing all metal lockers and locker benches complete, including but not limited to frames, doors, hinges, ventilation, hooks, number plates, shelves, latching and locking mechanisms, and all other appurtenances required for a complete installation. Ensure ADA requirements are met. Ensure all pedestal supports and attachments to floor are provided and installed for the laminated birch benches, and all other appurtenances required for a complete and compliant bench installation.
- 2.10.46 This Prime Contractor is responsible for coordinating, laying out, providing and installing Division 11 Laboratory Equipment complete, including coordination, layout and installation of all OFCI Laboratory Equipment and equipment shown to relocate or reinstall after improvements are complete. This includes but is not limited to ice machine, UV glasses/google cabinet (OFCI/existing to relocate, assume quantity 4), refrigerator and all appurtenances required to ensure complete and functional equipment installations. Coordinate with Plumbing and Electrical Prime Contractors for items that require power & water.
- 2.10.47 This Prime Contractor is responsible for coordinating, laying out and installing the OFCI television where indicated.
- 2.10.48 This Prime Contractor is responsible for coordinating, laying out, providing and installing all fixed lecture seating, complete, including but not limited to, floor mounted steel bases, floor fasteners and anchors, seating, pedestal frames, shells, escutcheon covers, tablet with arm, and all other appurtenances required for a complete and compliant installation at the existing sloped auditorium.
- 2.10.49 This Prime Contractor is responsible for coordinating, laying out, providing and installing all display systems complete, including but not limited to wall mounted tracks, ceiling and wall mounted suspended systems, tensioned rods, aluminum rods, track end caps, rod hangers, finishes, hooks, display rail, fasteners, and all other appurtenances for a complete and functional display system.
- 2.10.50 This Prime Contractor is responsible for coordinating with each Prime Contractor, Architect, Consultant and Construction Manager, as required for coordination and proper installation of own work, as it pertains to this bid package, including but not limited with Electrical Prime Contractor, Rough Carpentry Prime Contractor, Finishes Prime Contractor, etc. Coordination may include additional site visits, coordination meetings and providing additional copies of submittals, shop drawings and coordination drawings.

BID PACKAGE #10 – SPECIALTIES, TOILET ACCESSORIES, PLASTIC TOILET COMPARTMENTS, FIXED SEATINGS & SIGNAGE DIVISION OF WORK

- 2.10.51 This Prime Contractor is responsible for coordinating, laying out, providing and installing all labeling for own work with a pre-printed label and unique identifying number at each end of the cable, per contract documents.
- 2.10.52 This Prime Contractor is responsible for initial cleaning of installed work, including removal of tape, labels, protective coatings, smudges, fingerprints, etc.
- 2.10.53 This Prime Contractor is responsible for all final adjustments of own work upon completion of installation.
- 2.10.54 This Prime Contractor is responsible for providing final cleaning of own work.
- 2.10.55 This Prime Contractor is responsible for providing and installing work free of any damage. Damaged material will be rejected and must be replaced without delay to the project, at no additional costs.
- 2.10.56 This Prime Contractor is responsible for providing protection of own work, after installation and until occupancy. This Prime Contractor is responsible for removing and disposing of any protection utilized.
- 2.10.57 This Prime Contractor is responsible to inspect all surfaces, openings, ceilings, fixtures, etc., where own work will be installed. Promptly notify Construction Manager of any coordination issues or unsuitable conditions. Commencement of installation implies acceptance of all conditions.
- 2.10.58 This Prime Contractor is responsible for providing one qualified laborer **16 hours for WHHS and 25 hours for FAEC** for general site and building cleanup, safety maintenance or for discretionary use as directed by the Construction Manager. All hours to be directed and documented by Construction Manager, with all unused hours credited back, via a deductive change order.
- 2.10.59 This Prime Contractor is responsible to coordinate and provide all backing requirements to the Finishes and Rough Carpentry Prime Contractors and Construction Manager. This Prime Contractor will review Master Schedule, and weekly look ahead schedules and will coordinate with framing contractor to provide all backing requirements in advance, to meet the framing contractors' schedule for installation. Failure on the part of this Prime Contractor to provide backing requirements prior to the framing operation, will transfer backing responsibility from the Rough Carpentry and Finishes Prime Contractor to this Prime Contractor.

END OF BID PACKAGE

BID PACKAGE #11 – MECHANICAL HVAC & HVAC CONTROLS DIVISION OF WORK

- 2.11 **BID PACKAGE #11 – “MECHANICAL HVAC & HVAC CONTROLS”** – Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple bid packages for a complete turnkey and operable system at the school site Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, which shall include, but not be limited to the following;
- 2.11.1 FAEC I As-Built Documents I Attachment O
 - 2.11.2 FAEC I Titan ES I Technical Specifications I Attachment G
 - 2.11.3 FAEC I Titan ES I Hazardous Materials Survey Report & Floor Plan I Attachment H
 - 2.11.4 FAEC I Titan ES I Hazardous Materials Abatement Specifications I Attachment I
 - 2.11.5 FAEC I Ruhnau Clarke Architects | Drawings I Attachment E
 - 2.11.6 FAEC I Ruhnau Clarke Architects | Specifications
 - 2.11.7 FAEC I Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.11.8 FAEC I Ruhnau Clarke Architects | 01 00 00 – General Requirements - Complete
 - 2.11.9 FAEC I Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
 - 2.11.10 FAEC I Ruhnau Clarke Architects | 08 31 00 – Access Doors and Frames
 - 2.11.11 FAEC I Ruhnau Clarke Architects | Division 23 - Heating, Ventilating, and Air Conditioning - Complete
 - 2.11.12 GUHSD | Front End Bid & Contract Documents
 - 2.11.13 WHHS I As-Built Documents I Attachment N
 - 2.11.14 WHHS | Group Delta I Hazardous Building Material Abatement Specifications I Attachment J
 - 2.11.15 WHHS | Group Delta I Technical Lead-Related Specifications I Attachment F
 - 2.11.16 WHHS I Ruhnau Clarke Architects | Drawings I Attachment D
 - 2.11.17 WHHS I Ruhnau Clarke Architects | Specifications
 - 2.11.18 WHHS I Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.11.19 WHHS I Ruhnau Clarke Architects | 01 00 00 – General Requirements – Complete
 - 2.11.20 WHHS I Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
 - 2.11.21 WHHS I Ruhnau Clarke Architects | Division 23 - Heating, Ventilating, and Air Conditioning – Complete
 - 2.11.22 This Prime Contractor is responsible for coordinating, laying out, providing and installing heating, ventilation, systems and upgrades complete, including but not limited to all split system heat pump & cooling systems & equipment, VAV boxes, condenser units, air-distribution systems, hangers & supports, piping insulation, refrigerant piping, air diffusers and connections, new ducting & cleaning of existing ducting, insulation, piping, dampers, fire smoke dampers, diffusers, registers, grilles, duct access doors, condensate lines, condensate pumps, finish material, duct splay wires, brackets, etc., as required to meet the performance criteria specified, SMACNA requirements and for a complete and operational system, at both sites, per contract documents.
 - 2.11.23 This Prime Contractor is responsible for coordinating and providing all labor and equipment necessary for cleaning of existing ducts.
 - 2.11.24 This Prime Contractor is responsible for coordinating, laying out, providing and installing sealants, caulking, fire wrap and fire stopping at own penetrations. Provide caulking at all dissimilar materials.
 - 2.11.25 This Prime Contractor is responsible for coordinating, laying out, providing and installing fire stopping associated with own work. All Fire Stopping shall be “RED” in color for identification purposes. As a part of the submittal process, this Prime Contractor shall provide UL details for all penetrations, for own work. If a UL detail is not available for a specific penetration related to this

BID PACKAGE #11 – MECHANICAL HVAC & HVAC CONTROLS DIVISION OF WORK

- Prime Contractor's work, it will be this Prime Contractor's responsibility to have an evaluation and prescription provided for all special penetrations.
- 2.11.26 This Prime Contractor is responsible for coordinating, laying out, providing and installing all flashing and sheet metal associated with own work, including but not limited to flashing at roof and wall penetrations and lead roof jacks, as required.
- 2.11.27 This Prime Contractor is responsible for coordinating and laying out all required penetrations and openings with the Rough Carpentry and Finishes Prime Contractors.
- 2.11.28 This Prime Contractor is responsible for coordinating, laying out, providing and installing exhaust and ceilings fans and all associated ductwork for HVAC equipment, as required per the contract documents.
- 2.11.29 This Prime Contractor is responsible for coordinating, laying out, providing and installing vibration and seismic controls for own work including but not limited to anchorages, attachments, isolators, riser resilient supports, resilient pipe guides, bracings, cables and accessories, as required.
- 2.11.30 This Prime Contractor is responsible for coordinating, laying out, providing and installing identification of own work.
- 2.11.31 This Prime Contractor is responsible for start-up and commissioning of own equipment.
- 2.11.32 This Prime Contractor is responsible for all testing, adjusting and balancing of HVAC equipment until Owner acceptance, including providing testing and balancing reports.
- 2.11.33 This Prime Contractor is responsible for coordinating, laying out, providing and installing duct insulation as required.
- 2.11.34 This Prime Contractor is responsible for coordinating, laying out, providing and installing the building management and control system complete, including but not limited to wiring, switches, shut offs, relays, equipment, central and remote hardware, software, interconnecting wire and conduit, thermostats, control valves, dampers, operators, indicating devices, interface equipment, exterior lighting controls, apparatus, and accessories required for a functional system, per contract documents. All low voltage wiring and connections for own work shall be the responsibility of this Prime Contractor. Coordinate with Construction Manager and District.
- 2.11.35 This Prime Contractor is responsible to coordinate with Electrical and Plumbing Prime Contractors as required to complete and achieve acceptance of fire detection and alarm system.
- 2.11.36 This Prime Contractor is responsible for coordinating, laying out, providing and installing all duct, including but not limited to fittings, sheet metal duct liner, sealants, gaskets, hangers, connections to existing duct, supports, and seismic restraints, as required.
- 2.11.37 This Prime Contractor is responsible for coordinating, laying out, providing and installing all duct and duct accessories complete, including but not limited to backdraft and pressure relief dampers, barometric relief dampers, manual volume dampers, control dampers, combination fire and smoke dampers, flange connectors, turning vanes, duct-mounted access doors, flexible connectors, flexible ducts, and duct accessory hardware, as required per contract documents.
- 2.11.38 This Prime Contractor is responsible for coordinating, laying out, providing and installing all fire smoke dampers and associated motors, actuators, vanes, connectors, angles, hardware, diffusers, registers, grilles, duct access doors at all locations where required at rated assemblies.
- 2.11.39 This Prime Contractor is responsible for coordinating, laying out, providing and installing and/or coordinating with and/or reconnecting to existing fume hoods, exhaust fans and power exhaust fans as required for complete and functional systems. This includes but is not limited to new systems and reconnection of existing systems to accommodate laboratory equipment at WHHS and reconnection to existing EFs at FAEC.
- 2.11.40 This Prime Contractor is responsible for coordinating, laying out, providing and installing all diffusers, registers, dampers and grilles for own work.

BID PACKAGE #11 – MECHANICAL HVAC & HVAC CONTROLS DIVISION OF WORK

- 2.11.41 This Prime Contractor is responsible for coordinating, laying out, providing and installing all air filters for own work. This Prime Contractor is responsible for providing and installing temporary air filters until completion/commissioning of work, once work has been fully commissioned, provide and install new air filters.
- 2.11.42 This Prime Contractor is responsible for coordinating, laying out, providing and installing duct support angles, equipment pad caps and pipe penetration flashing, as required for own work.
- 2.11.43 This Prime Contractor is responsible for coordinating, laying out and installing duct detectors provided by others. Note: Electrical Bid Package is responsible for providing duct detectors and for final connection to fire alarm system.
- 2.11.44 This Prime Contractor is responsible for coordinating and providing operational testing and instruction to Owner's personnel. Submit certificate of compliance signed by Owner's representative to Construction Manager, upon completion of instruction.
- 2.11.45 This Prime Contractor is responsible for coordinating, laying out, providing and installing own inserts, embeds, anchors, supports, hangers, reinforcements and backing plates, as required.
- 2.11.46 This Prime Contractor is responsible for coordinating, laying out, providing and installing own access doors and panels, as required, even if not shown, and is responsible for coordinating and providing other Prime Contractors with coordination drawings, roughing in drawings and detailed working drawing for coordination, layout and rough-in requirements. Finishes Prime Contractor is responsible for providing and installing access panels shown on architectural sheets. This Prime Contractor required to provide and install all own access panels required for own work if not shown on architectural sheets.
- 2.11.47 This Prime Contractor is responsible for coordinating with all Bid Packages whose work interfaces with own scope of work, including attending coordination and commissioning meetings.
- 2.11.48 This Prime Contractor is responsible for coordinating and laying out of items located in concrete, or framing prior to installation of concrete, or framing. In the event layout does not occur in a timely manner, this Prime Contractor becomes responsible for all rework, reframing, coring, cutting, patching, etc. required to install own work. Provide cut sheets indicating layout dimensions.
- 2.11.49 This Prime Contractor is responsible for providing a competent person onsite during all concrete pours to monitor own work and ensure components in concrete are not disturbed and are at proper elevation and configuration.
- 2.11.50 This Prime Contractors shall coordinate their Work above ceiling, in chases, under slab, and in wall systems with the Work of other trades to insure proper space utilization and conformance with the requirements of the Contract Documents. Conflicts arising from this Prime Contractor's failure to coordinate will be the responsibility of this Prime Contractor to resolve. All applicable Prime Contractor's shall jointly prepare, with HVAC and Plumbing, Electrical, and Framing, Prime Contractors, overlay drawings indicating the vertical and horizontal routing of pipes, bracing and accessories so as to avoid any conflicts. All applicable Prime Contractor's, including but not limited to Mechanical HVAC, Electrical, Plumbing will be responsible for attending weekly and or bi-weekly MEP-coordination and/or BIM meetings. This Prime Contractor understands that the coordination and/or BIM meetings may begin prior to mobilization on site.
- 2.11.51 This Prime Contractor is responsible for providing one qualified laborer **10 hours for WHHS** and **10 hours for FAEC** for additional clean up while performing work on site per schedule as directed by Construction Manager. Each Prime Contractor still responsible for cleanup of own work. All hours to be directed and documented by Construction Manager. All unused hours will be credited back, via deductive change order.

END OF BID PACKAGE

BID PACKAGE #12 – ELECTRICAL & LOW VOLTAGE DIVISION OF WORK

- 2.12 **BID PACKAGE #12 – “ELECTRICAL & LOW VOLTAGE”** – Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple bid packages for a complete turnkey and operable system at the school site Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, which shall include, but not be limited to the following;
- 2.12.1 FAEC I As-Built Documents I Attachment O
 - 2.12.2 FAEC I Titan ES I Technical Specifications I Attachment G
 - 2.12.3 FAEC I Titan ES I Hazardous Materials Survey Report & Floor Plan I Attachment H
 - 2.12.4 FAEC I Titan ES I Hazardous Materials Abatement Specifications I Attachment I
 - 2.12.5 FAEC I Ruhnau Clarke Architects | Drawings I Attachment E
 - 2.12.6 FAEC I Ruhnau Clarke Architects | Specifications
 - 2.12.7 FAEC I Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.12.8 FAEC I Ruhnau Clarke Architects | 01 00 00 – General Requirements – Complete
 - 2.12.9 FAEC I Ruhnau Clarke Architects | 02 41 00 – Demolition
 - 2.12.10 FAEC I Ruhnau Clarke Architects | 07 92 00 - Joint Sealants
 - 2.12.11 FAEC I Ruhnau Clarke Architects | 08 31 00 - Access Doors and Panels
 - 2.12.12 FAEC I Ruhnau Clarke Architects | Division 26 – Electrical – Complete
 - 2.12.13 FAEC I Ruhnau Clarke Architects | Division 27 – Communications – Complete
 - 2.12.14 FAEC I Ruhnau Clarke Architects | Division 28 - Electronic Safety and Security – Complete
 - 2.12.15 FAEC I Ruhnau Clarke Architects | 31 23 16.13 - Trenching
 - 2.12.16 GUHSD | Front End Bid & Contract Documents
 - 2.12.17 WHHS I As-Built Documents I Attachment N
 - 2.12.18 WHHS | Group Delta I Hazardous Building Material Abatement Specifications I Attachment J
 - 2.12.19 WHHS | Group Delta I Technical Lead-Related Specifications I Attachment F
 - 2.12.20 WHHS I Ruhnau Clarke Architects | Drawings I Attachment D
 - 2.12.21 WHHS I Ruhnau Clarke Architects | Specifications
 - 2.12.22 WHHS I Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements - Complete
 - 2.12.23 WHHS I Ruhnau Clarke Architects | 01 00 00 – General Requirements – Complete
 - 2.12.24 WHHS I Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
 - 2.12.25 WHHS I Ruhnau Clarke Architects | 08 31 00 - Access Doors and Panels
 - 2.12.26 WHHS I Ruhnau Clarke Architects | Division 11 – Equipment - Complete
 - 2.12.27 WHHS I Ruhnau Clarke Architects | Division 26 – Electrical - Complete
 - 2.12.28 WHHS I Ruhnau Clarke Architects | Division 27 – Communications - Complete
 - 2.12.29 FAEC & WHHS | Temporary Site & CM / IOR Office Power & Internet

 - 2.12.30 This Prime Contractor is responsible for coordinating, laying out, providing and installing all electrical work, per contract documents, including but not limited to architectural, mechanical, plumbing and electrical drawings, for complete and operational systems.
 - 2.12.31 This Prime Contractor is responsible for coordinating, laying out, providing, installing, maintaining and removing temporary electrical distribution system and temporary lighting system through the duration of construction and shall accommodate both project sites. Service to be initiated

BID PACKAGE #12 – ELECTRICAL & LOW VOLTAGE DIVISION OF WORK

immediately upon receipt of Notice to Proceed and online no later than seven (7) days after receipt of Notice to Proceed. Installation shall be approved by Construction Manager. **Temporary power to include power, internet, phone and lighting to both sites and to two (2) field office trailers at each site, for Construction Manager and Inspector.** Temporary distribution to include spider boxes to within 100' of any room under construction within the construction limits of work. Use power poles as needed for complete installation. Power poles shall allow for any overhead wire to provide minimum 16' clearance to ground to allow for equipment/deliveries to pass underneath. All wire for temporary power, including providing and installing all safety ribbons on wire ran over poles. Use 4-plex twist locks at power poles. Provide drive-over protection for temp power lines if run on the ground, even if buried. All overhead power lines will remain throughout the duration of the project. **NOTE:** Temporary Power for Construction Manager trailer and IOR trailer will come from most convenient electrical service as designated by the Construction Manager and District Electrical Representative. This Prime Contractor will coordinate with the Construction Manager and District Electrical Representative and will be responsible for disconnection and reconnection of GC and IOR trailer as trailers may be relocated in Phases for construction. This Prime Contractor to provide and install required breakers, conduit, weatherproofing, etc., for a complete turnkey and operational installation.

- 2.12.32 This Prime Contractor to verify source for temporary electrical power prior to bid.
- 2.12.33 This Prime Contractor is responsible for providing GFI tests with the GC and IOR each month on all temporary power provided by this Electrical Prime Contractor, label spider boxes or other service points in the field with the date testing was completed and keep a running test log in the safety binder to be kept in the GC's Trailer.
- 2.12.34 This Prime Contractor is responsible for coordinating, laying out, **providing, installing, maintaining and removing internet service lines to two (2) (Construction Manager and Inspector of Record's) office trailers at each site (assume a total of 4 separate trailers).** Final connection to and distribution within the trailers will be by this Electrical Prime Contractor. Provide and install wire, patch panel, connectors, ports, for wireless access point, phones, etc. The cost of monthly electrical usage and monthly telephone bill will be paid for by the Construction Manager or District. Note: Coordinate with District personnel on connectors, wire type, patch panels, etc.
- 2.12.35 This Prime Contractor is responsible for coordinating, laying out, providing, installing, maintaining and removing string lights for the buildings for the duration of the project. Coordinate with Construction Manager. String lights may need to be relocated during construction as work progresses to allow for installation of other trades work, and as different work areas become closed in and difficult to see. It is this Prime Contractors responsibility to coordinate with the other Prime Contractors in the Forepersons/Superintendent weekly meetings, or during Pull Planning sessions to make most efficient use of string lights.
- 2.12.36 This Prime Contractor is responsible for coordinating, laying out, providing and installing HVAC control conduit in building, as required.
- 2.12.37 This Prime Contractor is responsible for coordinating, laying out and providing power to all appliances and laboratory equipment for both sites. Coordinate with Specialties and Plumbing Prime Contractors as required.
- 2.12.38 This Prime Contractor is responsible for coordinating, laying out, providing and installing all projection screens and projectors where shown as new and is responsible for removing, storing and reinstalling all projector and projector screens shown to remove and reinstall after improvements, including but not limited to mounts, extension brackets, patch cables, etc. for a complete and functional final installation. This Prime Contractor is also responsible to protect projectors and screens shown to protect in place to prevent damage during demolition and construction activities. This Prime Contractor is responsible for coordinating, removal and

BID PACKAGE #12 – ELECTRICAL & LOW VOLTAGE DIVISION OF WORK

protection in advance of demolition activities and to ensure equipment is protected and stored on site or in place, until time to re-install. Ensure all trim and termination pieces, caulking, etc. are provided, applied and installed for a complete and like-new appearance. Coordinate with Demolition Prime Contractor.

- 2.12.39 This Prime Contractor is responsible for coordinating, laying out, providing and installing all electrical, electrical panels, panel boards, emergency lighting inverters, conduit, wiring, receptacles, j-boxes, switches, disconnects, lamps, light fixtures, lighting controls systems, testing, etc. per contract documents, as needed to complete both projects.
- 2.12.40 This Prime Contractor is responsible for coordinating, laying out, providing and installing all communications, voice/data/IP intercom, clock systems, security alarm complete, including but not limited to all equipment racks, main distribution frames, fiber cables, MDF equipment, fiber optic patch cords, IDF frames and closets, speaker outlets & speakers, horns, clocks, faceplates, escutcheons, etc. as required for complete and operational communication systems.
- 2.12.41 This Prime Contractor is responsible for coordinating, laying out, providing and installing all audio visual systems complete, including connection to and coordination with existing systems as required, including but not limited to sound systems, AV equipment, integrated AV systems, portable assistive listening systems, HDMI cables, projection screens, projectors, projector & screen mounts, wall plates, stereo cables, extension brackets, patch cables, and all other appurtenances as required for a complete and operation system, at both sites, that are all fully incorporated into existing systems.
- 2.12.42 This Prime Contractor is responsible for coordinating and providing startup, testing, cleaning, inspection, balancing and maintenance of own work, until Owner's acceptance.
- 2.12.43 This Prime Contractor is responsible for coordinating, laying out, providing and installing own access doors and panels, as required by code whether shown on the drawings or not, and is responsible for coordinating and providing other Prime Contractors with coordination drawings, roughing in drawings and detailed working drawing for coordination, layout and rough-in requirements. Finishes Prime Contractor is responsible for providing and installing access panels shown on architectural sheets. This Prime Contractor required to provide and install all own access panels required for own work if not shown on architectural sheets.
- 2.12.44 This Prime Contractor is responsible for coordinating, laying out, providing and installing all labeling, marking, engraving and stenciling of own work, as required.
- 2.12.45 This Prime Contractor is responsible for coordinating, laying out, providing and installing all power connections including but not limited to conduit, wiring, wire mold, receptacles, j-boxes and final connections for all systems requiring power including but not limited to HVAC equipment, electrified plumbing finishes, irrigation controllers, appliances, existing and new laboratory equipment, etc., per contract documents.
- 2.12.46 This Prime Contractor is responsible for coordinating, laying out, providing and installing all light fixtures, diffusers, lit exit signage and light bollards per contract documents.
- 2.12.47 This Prime Contractor will provide all aircraft cabling, channels and any other material required to install pendant or hung lights.
- 2.12.48 When a discrepancy appears between the light fixture quantities when comparing the Architectural and Electrical Drawings, the Electrical Prime Contractor shall provide the greater quantity of fixtures and provide allowance per the specification, irrespective on which drawings they may be indicated.
- 2.12.49 This Prime Contractor is responsible for coordinating, laying out and securing seismic wires to light fixtures. Wires to be provided by this Prime Contractor. NOTE: portions of the existing T-bar ceiling at the FAEC are shown to protect in place. Coordinate as required for that site.

BID PACKAGE #12 – ELECTRICAL & LOW VOLTAGE DIVISION OF WORK

- 2.12.50 This Prime Contractor is responsible for coordinating, laying out, providing and installing the lighting control system, including but not limited to all required controls, lighting control panels, occupancy sensors, switches, sensors, network equipment, software, programming, and training per contract documents for a complete and operational system.
- 2.12.51 This Prime Contractor is responsible for coordinating, laying out, providing and installing all cable-trays, panel boards and terminal cabinets, switchboards, transformers, emergency lighting inverters, motor control equipment, fixtures, etc., for a complete and operational system, per contract documents.
- 2.12.52 This Prime Contractor is responsible for coordinating, laying out, providing and installing all seismic anchorage, unistrut, all thread, supports, embeds, inserts, hangers, backing plates, bracing, vibration isolation and insulation for own work as required.
- 2.12.53 This Prime Contractor is responsible for coordinating, laying out, providing and installing all flashing and sheet metal associated with own work including flashing at roof and wall penetrations and lead roof jacks.
- 2.12.54 This Prime Contractor is responsible for coordinating, laying out, providing and installing painting as required by electrical specifications.
- 2.12.55 This Prime Contractor is responsible for coordinating, laying out, providing and installing all cabinets and mounting boards for own work, including fire retardant plywood backboards shown in electric and communication rooms.
- 2.12.56 This Prime Contractor is responsible for coordinating, laying out, providing and installing drilling, sleeving or blocking out for electrical penetrations in any surfaces, including isolation dry-packing and patching. Blocking or heading out in framing to be performed by others during framing activity, as laid out by this Electrical Prime Contractor. In the event that layout does not occur in a timely manner, this Electrical Prime Contractor becomes responsible for all rework, reframing, coring, cutting, blocking, heading, etc., required to install own work.
- 2.12.57 This Prime Contractor is responsible for coordinating and laying out of items located in concrete or framing prior to installation of concrete or framing. In the event layout does not occur in a timely manner, this Electrical Prime Contractor becomes responsible for all rework, reframing, coring, cutting, patching, etc. required to install own work. Provide cut sheets indicating layout dimensions. In the event that coring of concrete or block walls is required, it is this Prime Contractors responsibility to GPR or X-Ray the areas to avoid coring through reinforcing steel.
- 2.12.58 This Prime Contractor is responsible to provide and install own sleeving and block-outs at wall and floors as required for own work. Coordinate with Finishes and Rough Carpentry Prime Contractors as required.
- 2.12.59 This Prime Contractor is responsible for coordinating and providing a competent person onsite during all concrete pours to monitor own work and ensure components in concrete are not disturbed and are at proper elevation and configuration.
- 2.12.60 This Prime Contractor is responsible for coordinating, laying out, providing and installing final electrical connections and all system terminations and wiring to all equipment including but not limited to electrical, plumbing, and HVAC mechanical equipment, and other equipment, etc., requiring electrical connection for complete and operational systems, per contract documents.
- 2.12.61 This Prime Contractor is responsible for coordinating and providing duct detectors to HVAC Prime Contractor. This Prime Contractor is responsible for coordinating and providing final connection to fire alarm system. Note: HVAC Prime Contractor is responsible for installing duct detectors.
- 2.12.62 This Prime Contractor is responsible for coordinating, laying out, providing and installing emergency battery packs complete, per contract documents.
- 2.12.63 This Prime Contractor is responsible for coordinating, and reconnecting to existing fire alarm

BID PACKAGE #12 – ELECTRICAL & LOW VOLTAGE DIVISION OF WORK

system as required at both sites.

- 2.12.64 This Prime Contractor is responsible to coordinate with Mechanical, and Plumbing Prime Contractors as required to complete and achieve acceptance of fire detection and alarm system.
- 2.12.65 This Prime Contractor is responsible for coordinating, laying out, providing and installing terminal cabinets for all low voltage including plywood backing, as required.
- 2.12.66 This Prime Contractor is responsible for coordinating and providing own engineering, calculations, testing, adjustments, certifications, and training as required per contract documents, including but not limited to Plans, Specifications, etc.
- 2.12.67 This Prime Contractor is responsible for providing, installing, maintaining and removing all impalement guards on all conduits protruding through slabs, walls and footings, as soon as they are placed. Coordinate with Construction Manager.
- 2.12.68 This Prime Contractor is responsible for coordinating and providing operational testing and instruction to Owner's personnel at each site. Submit certificate of compliance signed by Owner's representative to Construction Manager, upon completion of instruction.
- 2.12.69 This Prime Contractor is responsible for coordinating and providing a certified welder and welding testing, as required for own work.
- 2.12.70 This Prime Contractor is responsible for coordinating, laying out, providing and installing sealants, joint sealants, caulking, fire wrap and fire stopping at own penetrations. Provide caulking at all dissimilar materials.
- 2.12.71 This Prime Contractor is responsible for coordinating, laying out, providing and installing fire stopping associated with own work. All Fire Stopping shall be "RED" in color for identification purposes. As a part of the submittal process, this Prime Contractor shall provide UL details for all penetrations, for own work. If a UL detail is not available for a specific penetration related to this Prime Contractor's work, it will be this Prime Contractor's responsibility to have an evaluation and prescription provided for all special penetrations.
- 2.12.72 In the event of an electrical shutdown scheduled by this Prime Contractor, this Prime Contractor is responsible for providing temporary power as needed to the school and site, while power is unavailable, in order to ensure the operability of all building systems during the course of construction, for the site, all office trailers and all buildings.
- 2.12.73 This Prime Contractor shall coordinate with the Demolition Prime Contractor, and cap and safe off their respective above-ground. Removal of above-ground utilities shall be provided by the Demolition Prime Contractor.
- 2.12.74 This Prime Contractors shall coordinate their Work above ceiling, in chases, under slab, and in wall systems with the Work of other Prime Contractors to insure proper space utilization and conformance with the requirements of the Contract Documents. Conflicts arising from this Prime Contractor's failure to coordinate will be the responsibility of this Prime Contractor to resolve. All applicable Prime Contractor's shall jointly prepare, with HVAC and Plumbing, Electrical, Fire Protection and Framing Prime Contractors, overlay drawings indicating the vertical and horizontal routing of pipes, bracing and accessories so as to avoid any conflicts. All applicable Prime Contractor's, including but not limited to Mechanical HVAC, Electrical, Plumbing will be responsible for attending weekly and or bi- weekly MEP coordination and/or BIM meetings. This Prime Contractor understands that the coordination and/or BIM meetings may begin prior to mobilization on site.
- 2.12.75 This Prime Contractor is responsible for providing one qualified laborer **25 hours for WHHS and 25 hours for FAEC** for additional clean up while performing work on site per schedule as directed by Construction Manager. Each Prime Contractor still responsible for clean-up of own work. All hours to be directed and documented by Construction Manager. All unused hours will be credited back,

BID PACKAGE #12 – ELECTRICAL & LOW VOLTAGE DIVISION OF WORK

via a deductive change order.

- 2.12.76 This Prime Contractor is responsible for coordinating with each Prime Contractor, Consultant and Construction Manager, as required for coordination and proper installation of own work, as it pertains to this bid package. Coordination may include additional site visits, coordination meetings and providing additional copies of submittals, shop drawings and coordination drawings.

END OF BID PACKAGE

BID PACKAGE #13 – FIRE SPRINKLERS DIVISION OF WORK

2.13 BID PACKAGE #13 “FIRE SUPPRESSION” – Prime Contractor is responsible for coordinating and providing all plant, labor, material, equipment, tools, facilities, transportation, applicable taxes, permits, services and coordination necessary for, and incidental to accomplish the work (unless specifically noted otherwise), in accordance with the complete contract documents, and ensure coordination of work between the multiple prime contract bid packages for a complete turnkey and operable system at the school site Foothills Adult Education Center (FAEC) & West Hills HS Science Bldg. (WHHS) Modernization projects, which shall include, but not be limited to the following;

- 2.13.1 FAEC I As-Built Documents I Attachment O
- 2.13.2 FAEC I Titan ES I Technical Specifications I Attachment G
- 2.13.3 FAEC I Titan ES I Hazardous Materials Survey Report & Floor Plan I Attachment H
- 2.13.4 FAEC I Titan ES I Hazardous Materials Abatement Specifications I Attachment I
- 2.13.5 FAEC I Ruhnau Clarke Architects | Drawings I Attachment E
- 2.13.6 FAEC I Ruhnau Clarke Architects | Specifications
- 2.13.7 FAEC I Ruhnau Clarke Architects | 00 00 00 – Procurement & Contracting Requirements – Complete
- 2.13.8 FAEC I Ruhnau Clarke Architects | 01 00 00 – General Requirements – Complete
- 2.13.9 FAEC I Ruhnau Clarke Architects | 07 92 00 – Joint Sealants
- 2.13.10 FAEC I Ruhnau Clarke Architects | 08 31 00 – Access Doors and Panels
- 2.13.11 FAEC I Ruhnau Clarke Architects | 21 13 13 - Wet-Pipe Sprinkler Systems
- 2.13.12 GUHSD | Front End Bid & Contract Documents

- 2.13.13 This Prime Contractor is responsible for coordinating, laying out, providing and installing fire-suppression sprinkler system complete, including but not limited to all piping, heads, fittings, devices, escutcheons, hangers, bell, fittings, valves, etc., for complete and operational system, per fire sprinkler drawings and contract documents. This Prime Contractor responsible for coordinating with all existing fire sprinkler systems to ensure a complete and functional system at project completion.
- 2.13.14 This Prime Contractor is responsible for coordinating, laying out, providing and installing flow and tamper switches at fire risers at applicable locations, as required for a complete system. Tamper switches for backflows will be by the Plumbing Prime Contractor. Final connection shall be by the Electrical Bid Package.
- 2.13.15 This Prime Contractor is responsible for coordinating and interfacing with fire and smoke alarm systems, as required and per fire sprinkler drawings and contract documents.
- 2.13.16 This Prime Contractor is responsible for coordinating the fire sprinkler head locations in ceilings and ceiling tiles with the Architect, as required. Note: Sprinkler heads shall be located in the center of tiles, unless directed otherwise by shop drawings, fire sprinkler drawings, plans and/or specifications. Coordinate with Construction Manager and Finishes Prime Contractor.
- 2.13.17 This Prime Contractor is responsible to coordinate with Electrical, Mechanical and Finishes Prime Contractors as required to achieve acceptance of fire detection and alarm system at completion of work to ensure all systems are functioning properly.
- 2.13.18 This Prime Contractor is responsible for coordinating, laying out, providing and installing sleeving and block outs at wall, floor and roof penetrations, including but not limited to fire barrier penetrations, penetration firestopping and sleeve seals for own work.
- 2.13.19 This Prime Contractor is responsible for coordinating and laying out of items located in concrete

BID PACKAGE #13 – FIRE SPRINKLERS DIVISION OF WORK

or framing prior to installation of concrete or framing. In the event layout does not occur in a timely manner, this Prime Contractor becomes responsible for all rework, reframing, coring, cutting, patching, etc. required to install own work. Provide cut sheets indicating layout dimensions.

- 2.13.20 This Prime Contractor is responsible for coordinating, laying out, providing and installing seismic anchorages, bracing, vibration isolation, hangers, inserts, embeds, reinforcement, and anchors for own work, as required.
- 2.13.21 This Prime Contractor is responsible for coordinating, laying out, providing and installing own inserts, embeds, anchors, supports, seismic restraints, sway bracing, hangers, reinforcements and backing plates, as required.
- 2.13.22 This Prime Contractor is responsible for coordinating, laying out, providing and installing all miscellaneous metal and hardware for own equipment support, including channels, angles, unistrut, all thread, etc.
- 2.13.23 This Prime Contractor is responsible for coordinating, laying out, providing and installing identification of own work.
- 2.13.24 This Prime Contractor is responsible for coordinating, laying out, providing and installing hydraulic and NFPA signage required.
- 2.13.25 This Prime Contractor is responsible for coordinating, laying out, providing and installing sealants, caulking, and fire stopping at own penetrations. Provide caulking at all dissimilar materials.
- 2.13.26 This Prime Contractor is responsible for coordinating, laying out, providing and installing fire stopping associated with own work. All Fire Stopping shall be "RED" in color for identification purposes. As a part of the submittal process, this Prime Contractor shall provide UL details for all penetrations, for own work. If a UL detail is not available for a specific penetration related to this Prime Contractor's work, it will be this Prime Contractor's responsibility to have an evaluation and prescription provided for all special penetrations.
- 2.13.27 This Prime Contractor is responsible for coordinating and providing all flushing, testing, cleaning, inspection and maintenance of own work until Owner acceptance. All flushed water from the fire sprinkler system must be disposed of per latest SWPPP, EPA and other governing agency's regulations. No onsite dumping in to planters or storm drains.
- 2.13.28 This Prime Contractor is responsible for coordinating, laying out, providing and installing booster pumps for own work, as required to achieve necessary pressure throughout the building.
- 2.13.29 This Prime Contractor is responsible for coordinating, laying out, providing and installing proprietary hangers at roof structure or underside of existing deck, as it pertains to own work. Review as-built documents.
- 2.13.30 This Prime Contractor is responsible for coordinating, laying out, providing and installing own supplemental steel supports, hangers, braces etc., from structure, as it pertains to own work.
- 2.13.31 This Prime Contractor is responsible for coordinating, laying out, providing and installing own access doors and panels, as required per code whether shown on the contract drawings or not, and is responsible for coordinating and providing other Prime Contractors with coordination drawings, roughing in drawings and detailed working drawing for coordination, layout and rough-in requirements. Finishes Prime Contractor is responsible for providing and installing access panels shown on architectural sheets. This Prime Contractor required to provide and

**GROSSMONT UNION HIGH SCHOOL DISTRICT
FAEC & WHHS SCIENCE BLDG MODERNIZATION**

BID PACKAGE #13 – FIRE SPRINKLERS DIVISION OF WORK

install all own access panels required for own work if not shown on architectural sheets.

- 2.13.32 This Prime Contractor is responsible for coordinating with all Bid Packages whose work interfaces with own scope of work, including attending coordination and commissioning meetings.
- 2.13.33 This Prime Contractors shall coordinate their Work above ceiling, in chases, under slab, and in wall systems with the Work of other trades to insure proper space utilization and conformance with the requirements of the Contract Documents. Conflicts arising from this Prime Contractor's failure to coordinate will be the responsibility of this Prime Contractor to resolve. All applicable Prime Contractor's shall jointly prepare, with HVAC and Plumbing, Electrical, Fire Protection, Framing, and Theatrical Prime Contractors, overlay drawings indicating the vertical and horizontal routing of pipes, bracing and accessories so as to avoid any conflicts. All applicable Prime Contractor's, including but not limited to Mechanical HVAC, Electrical, Plumbing, Fire Sprinkler and Theater will be responsible for attending weekly and or bi- weekly MEP/FS coordination and/or BIM meetings. This Prime Contractor understands that the coordination and/or BIM meetings may begin prior to mobilization on site.

END OF BID PACKAGE

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Division 00	Procurement and Contracting Requirements													
00 01 01	Project Title Page	P	P	P	P	P	P	P	P	P	P	P	P	P
00 01 02	Project Informaton	P	P	P	P	P	P	P	P	P	P	P	P	P
00 01 07	Seals Page - Signed	P	P	P	P	P	P	P	P	P	P	P	P	P
00 01 10	Table of Contents	P	P	P	P	P	P	P	P	P	P	P	P	P
00 40 25	Request for Information	P	P	P	P	P	P	P	P	P	P	P	P	P
00 43 25	Substitution Request Form - During Procurement	P	P	P	P	P	P	P	P	P	P	P	P	P
00 63 25	Substitution Request Form - During Constructon	P	P	P	P	P	P	P	P	P	P	P	P	P
Division 01	General Requirements													
01 10 00	Summary	P	P	P	P	P	P	P	P	P	P	P	P	P
01 20 00	Price and Payment Procedures	P	P	P	P	P	P	P	P	P	P	P	P	P
01 25 00	Substitution Procedures	P	P	P	P	P	P	P	P	P	P	P	P	P
01 30 00	Administrative Requirements	P	P	P	P	P	P	P	P	P	P	P	P	P
01 30 00.01	Request for Interpretation	P	P	P	P	P	P	P	P	P	P	P	P	P
01 30 00.02	Submittal Transmittal	P	P	P	P	P	P	P	P	P	P	P	P	P
01 31 14	Facility Services Coordination	P	P	P	P	P	P	P	P	P	P	P	P	P
01 40 00	Quality Requirements	P	P	P	P	P	P	P	P	P	P	P	P	P
01 41 00	Regulatory Requirements	P	P	P	P	P	P	P	P	P	P	P	P	P
01 42 19	Reference Standards	P	P	P	P	P	P	P	P	P	P	P	P	P
01 45 33	Code-Required Special Inspections	P	P	P	P	P	P	P	P	P	P	P	P	P
01 50 00	Temporary Facilities and Controls	P	P	P	P	P	P	P	P	P	P	P	P	P
01 57 19	Temporary Environmental Controls	P	P	P	P	P	P	P	P	P	P	P	P	P
01 58 13	Temporary Project Signage	P	P	P	P	P	P	P	P	P	P	P	P	P
01 60 00	Product Requirements	P	P	P	P	P	P	P	P	P	P	P	P	P
01 61 16	Volatile Organic Compound (VOC) Content Restrictons	P	P	P	P	P	P	P	P	P	P	P	P	P
01 61 16.01	Accessory Material VOC Content Certification Form	P	P	P	P	P	P	P	P	P	P	P	P	P
01 70 00	Execution and Closeout Requirements	P	P	P	P	P	P	P	P	P	P	P	P	P
01 73 56	Alteration and Modernization Execution Procedures	P	P	P	P	P	P	P	P	P	P	P	P	P
01 74 19	Constructon Waste Management and Disposal	P	P	P	P	P	P	P	P	P	P	P	P	P
01 74 19.01	Form Attachments	P	P	P	P	P	P	P	P	P	P	P	P	P
01 76 10	Temporary Protective Coverings	P	P	P	P	P	P	P	P	P	P	P	P	P
01 78 00	Closeout Submittals	P	P	P	P	P	P	P	P	P	P	P	P	P
01 79 00	Demonstration and Training	P	P	P	P	P	P	P	P	P	P	P	P	P
Division 02	Existing Conditions													
02 41 00	Demolition	P		P									S	
02 84 00	Polychlorinate Biphenyl (PCB) Remediaton	P												
Division 03	Concrete													
03 01 00	Maintenance of Concrete			P						P				
03 30 00	Cast-in-Place Concrete			P										

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03 35 11	Concrete Floor Finishes				P									
Division 05	Metals													
05 05 19	Post-Installed Concrete Anchors				P				P		S			
05 40 00	Cold-Formed Metal Framing								P					
05 50 00	Metal Fabrications				P				P					
Division 06	Wood and Plastics and Composites													
06 10 63	Miscellaneous Rough Carpentry						P							
06 20 00	Finish Carpentry						P							
06 41 00	Architectural Wood Casework						P							
06 83 16	Fiberglass Reinforced Paneling								P					
Division 07	Thermal and Moisture Protection													
07 21 00	Thermal Insulation								P					
07 25 00	Weather Barriers								P					
07 62 00	Sheet Metal Flashing and Trim								P					
07 92 00	Joint Sealants			P	P		P	P	P	P	P	P	P	P
Division 08	Openings													
08 06 71	Door Hardware Schedule							P	P					
08 11 13	Hollow Metal Doors and Frames								P					
08 31 00	Access Doors and Panels			P					P			P	P	P
08 43 13	Aluminum-Framed Storefronts							P						
08 71 00	Door Hardware							P	P					
08 80 00	Glazing							P						
Division 09	Finishes													
09 05 61	Common Work Results for Flooring Preparation									P				
09 21 16	Gypsum Board Assemblies								P					
09 22 36	Lath								P					
09 24 00	Cement Plastering								P					
09 30 00	Tiling									P				
09 51 00	Acoustical Ceilings								P					
09 65 00	Resilient Flooring									P				
09 68 13	Tile Carpeting									P				
09 72 00	Wall Coverings								P					
09 72 16.26	Architectural Vinyl Graphic Films								P					
09 72 60	Resilient Tackable Wall Covering								P					
09 84 30	Sound-Absorbing Wall and Ceiling Units								P					
09 91 13	Exterior Painting								P					
09 91 23	Interior Painting								P					
Division 10	Specialties													
10 11 00	Visual Display Units										P			

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10 14 00	Signage										P			
10 14 53	Traffic, Parking and Site Signage				P						S			
10 21 13.19	Plastic Toilet Compartments										P			
10 26 00	Wall and Door Protection								P					
10 28 00	Toilet Accessories										P			
10 44 00	Fire Protection Specialties										P			
10 51 13	Metal Lockers										P			
Division 12		Furnishings												
12 15 00	Display System										P			
12 36 00	Countertops						P							
Division 13		Special Construction												
13 31 33.10	Single Post Fabric Shade Structure				P									
Division 21		Fire Suppression												
21 13 13	Wet-Pipe Sprinkler Systems													P
Division 22		Plumbing												
22 05 17	Sleeves and Sleeve Seals for Plumbing Piping			P										
22 05 18	Escutcheons for Plumbing Piping			P										
22 05 19	Meters and Gauges for Plumbing Piping			P										
22 05 23	General-Duty Valves for Plumbing Piping			P										
22 05 29	Hangers and Supports for Plumbing Piping and Equipment			P										
22 05 48	Vibraton and Seismic Controls for Plumbing Piping and Equipment			P										
22 05 53	Identification for Plumbing Piping and Equipment			P										
22 07 19	Plumbing Piping Insulation			P										
22 11 16	Domestic Water Piping			P										
22 11 19	Domestic Water Piping Specialties			P										
22 13 16	Sanitary Waste and Vent Piping			P										
22 13 19	Sanitary Waste Piping Specialties			P										
22 41 00	Residential Plumbing Fixtures			P										
22 42 13.13	Commercial Water Closets			P										
22 42 13.16	Commercial Urinals			P										
22 42 16.13	Commercial Lavatories			P										
22 47 13	Drinking Fountains			P										
Division 23		Heating, Ventilating, and Air Conditioning												
23 00 10	Mechanical General Requirements											P		
23 00 50	Basic Mechanical Materials and Methods											P		
23 01 30.51	HVAC Air-Distribution System											P		
23 05 29	Hangers and Supports for HVAC											P		
23 05 93	Testing, Adjusting, and Balancing for HVAC											P		

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23 07 13	Duct Insulation											P		
23 07 19	HVAC Piping Insulation											P		
23 09 00	Instrumentation and Control for HVAC											P		
23 09 80	Mechanical Commissioning											P		
23 09 93	Sequence of Operations for HVAC Controls											P		
23 23 00	Refrigerant Piping											P		
23 31 13	Metal Ducts											P		
23 33 00	Air Duct Accessories											P		
23 37 13	Diffusers, Registers, and Grilles											P		
23 81 26	Split-System Air-Conditioners											P		
Division 26 Electrical														
26 01 00	General Provisions												P	
26 05 19	Power Conductors												P	
26 05 26	Grounding												P	
26 05 33	Conduit and Fittings												P	
26 05 34	Outlet and Junction Boxes												P	
26 08 00	Commissioning												P	
26 09 23	Digital Lighting Control System												P	
26 24 16	Panelboards												P	
26 27 26	Switches and Receptacles												P	
26 28 16	Disconnects												P	
26 51 14	LED Lighting Fixtures and Lamps												P	
26 90 90	Testing												P	
Division 27 Communications														
27 01 00	General Provisions												P	
27 10 00	Voice Data Infrastructure												P	
27 20 00	Integrated Audio Visual Systems												P	
27 41 19	Portable Assistive Listening System												P	
Division 28 Electronic Safety and Security														
28 01 00	General Provisions												P	
28 30 00	Fire Alarm System												P	
Division 31 Earthwork														
31 23 16.13	Trenching		P	P	P								P	
Division 32 Exterior Improvements														
32 12 16	Asphalt Paving				P									
32 13 13	Concrete Paving				P									
32 17 13	Parking Bumpers				P									
32 17 23.13	Painted Pavement Markings				P									
32 17 26	Tactile Warning Surfacing				P									

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32 31 19	Decorative Metal Fence and Gates				P									
32 84 23	Irrigation System		P											
32 93 00	Planting		P											
Temporary & General Services														
	Temporary Site Fencing & Gates				P									
	Temporary Site & CM / IOR Office Power & Internet												P	
	Temporary Site Water			P										
	Site SWPPP BMPs (Supply & Maintain)				P									
	Temporary Restroom & Handwash Facilities								P					
	Dumpsters & Site Trash	P							P					
	Construction Fire Extinguishers								P					
	Site Construction Signage								P					
	Final Cleaning								P					
	COVID Temperature & Check-in Station								P					

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Division 00 Procurement and Contracting Requirements														
00 01 01	Project Title Page	P	P	P	P	P	P	P	P	P	P	P	P	P
00 01 02	Project Information	P	P	P	P	P	P	P	P	P	P	P	P	P
00 01 07	Seals Page - Signed	P	P	P	P	P	P	P	P	P	P	P	P	P
00 01 08	Deferred Approvals	P	P	P	P	P	P	P	P	P	P	P	P	P
00 01 10	Table of Contents	P	P	P	P	P	P	P	P	P	P	P	P	P
00 40 25	Request for Information	P	P	P	P	P	P	P	P	P	P	P	P	P
00 43 25	Substitution Request Form - During Procurement	P	P	P	P	P	P	P	P	P	P	P	P	P
00 63 25	Substitution Request Form - During Constructon	P	P	P	P	P	P	P	P	P	P	P	P	P
Division 01 General Requirements														
01 10 00	Summary	P	P	P	P	P	P	P	P	P	P	P	P	P
01 20 00	Price and Payment Procedures	P	P	P	P	P	P	P	P	P	P	P	P	P
01 25 00	Substitution Procedures	P	P	P	P	P	P	P	P	P	P	P	P	P
01 30 00	Administrative Requirements	P	P	P	P	P	P	P	P	P	P	P	P	P
01 30 00.01	Request for Interpretation	P	P	P	P	P	P	P	P	P	P	P	P	P
01 30 00.02	Submittal Transmittal Form	P	P	P	P	P	P	P	P	P	P	P	P	P
01 35 50	Requests for Electronic Files	P	P	P	P	P	P	P	P	P	P	P	P	P
01 35 53	Security Procedures	P	P	P	P	P	P	P	P	P	P	P	P	P
01 40 00	Quality Requirements	P	P	P	P	P	P	P	P	P	P	P	P	P
01 41 00	Regulatory Requirements	P	P	P	P	P	P	P	P	P	P	P	P	P
01 42 19	Reference Standards	P	P	P	P	P	P	P	P	P	P	P	P	P
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01 57 19	Temporary Environmental Controls	P	P	P	P	P	P	P	P	P	P	P	P	P
01 58 13	Temporary Project Signage	P	P	P	P	P	P	P	P	P	P	P	P	P
01 60 00	Product Requirements	P	P	P	P	P	P	P	P	P	P	P	P	P
01 61 16	Volatile Organic Compound (VOC) Content Restrictions	P	P	P	P	P	P	P	P	P	P	P	P	P
01 61 16.01	Accessory Material VOC Content Certification Form	P	P	P	P	P	P	P	P	P	P	P	P	P

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01 70 00	Execution and Closeout Requirements	P	P	P	P	P	P	P	P	P	P	P	P	P
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01 74 19	Construction Waste Management and Disposal	P	P	P	P	P	P	P	P	P	P	P	P	P
01 74 19.01	Form Attachment	P	P	P	P	P	P	P	P	P	P	P	P	P
01 76 10	Temporary Protective Coverings	P	P	P	P	P	P	P	P	P	P	P	P	P
01 78 00	Closeout Submittals	P	P	P	P	P	P	P	P	P	P	P	P	P
01 78 00.01	Warranty Form Letter	P	P	P	P	P	P	P	P	P	P	P	P	P
01 79 00	Demonstration and Training	P	P	P	P	P	P	P	P	P	P	P	P	P
Division 02 Existing Conditions														
02 41 00	Demolition	P					P				P			
Division 03 Concrete														
03 10 00	Concrete Forming and Accessories				P									
03 20 00	Concrete Reinforcing				P									
03 30 00	Cast-in-Place Concrete				P									
Division 05 Metals														
05 05 19	Post-Installed Concrete Anchors				P	P	P		P		P			
05 50 00	Metal Fabrications								P					
Division 06 Wood and Plastics and Composites														
06 05 73	Wood Treatment					P	P							
06 10 00	Rough Carpentry					P								
06 20 00	Finish Carpentry						P							
06 41 00	Architectural Wood Casework						P							
06 83 16	Fiberglass Reinforced Paneling								P					
Division 07 Thermal and Moisture Protection														
07 01 50.20	Roofing Restoration Patch and Repair					P			P					
07 21 00	Thermal Insulation								P					
07 25 00	Weather Barriers								P					
07 62 00	Sheet Metal Flashing and Trim								P					

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		07 92 00	Joint Sealants		P	P	P	P	P	P	P	P	P	
		Division 08		Openings										
		08 06 71	Door Hardware Schedule						P					
		08 11 13	Hollow Metal Doors and Frames						P					
		08 14 16	Flush Wood Doors						P					
		08 31 00	Access Doors and Panels		P		P		P				P	
		08 71 00	Door Hardware						P					
		08 80 00	Glazing						P					
		Division 09		Finishes										
		09 05 61	Common Work Results for Flooring Preparation							P				
		09 21 16	Gypsum Board Assemblies						P					
		09 22 36	Lath						P					
		09 24 00	Cement Plastering						P					
		09 51 00	Acoustical Ceilings						P					
		09 65 00	Resilient Flooring							P				
		09 68 13	Tile Carpeting							P				
		09 91 13	Exterior Painting						P					
		09 91 23	Interior Painting						P					
		09 96 00	High-Performance Coatings						P					
		Division 10		Specialties										
		10 11 00	Visual Display Units								P			
		10 14 00	Signage								P			
		10 22 39	Folding Panel Partitions								P			
		10 26 00	Wall and Door Protection						P					
		10 44 00	Fire Protection Specialties								P			
		Division 11		Equipment										
		11 52 13	Projecton Screens										P	
		11 53 00	Laboratory Equipment								P		S	

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Division 12		Furnishings												
12 35 53.19	Wood Laboratory Casework [OFCL]						P							
12 61 10	Fixed Lecture Seating										P			
Division 22		Plumbing												
22 05 17	Sleeves and Sleeve Seals for Plumbing Piping			P										
22 05 18	Escutcheons for Plumbing Piping			P										
22 05 19	Meters and Gauges for Plumbing Piping			P										
22 05 23	General-Duty Valves for Plumbing Piping			P										
22 05 29	Hangers and Supports for Plumbing Piping and Equipment			P										
22 05 48	Vibration and Seismic Controls for Plumbing Piping and Equipment			P										
22 05 53	Identification for Plumbing Piping and Equipment			P										
22 07 19	Plumbing Piping Insulation			P										
22 11 16	Domestic Water Piping			P										
22 11 19	Domestic Water Piping Specialties			P										
22 13 16	Sanitary Waste and Vent Piping			P										
22 13 19	Sanitary Waste and Vent Piping Specialties			P										
22 42 16.16	Commercial Sinks			P										
22 45 00	Emergency Plumbing Fixtures			P										
22 66 00	Chemical-Waste Systems for Laboratory Facilities			P										
Division 23		Heating, Ventilating, and Air Conditioning												
23 31 13	Duct Cleaning											P		
23 37 13	Diffusers, Registers, and Grilles											P		
Division 26		Electrical												
26 01 00	Electrical General Provisions												P	
26 05 19	Power Conductors												P	
26 05 26	Grounding												P	
26 05 33	Conduit and Fittings												P	

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26 05 34	Outlet and Junction Boxes												P	
26 08 00	Commissioning of Electrical Systems												P	
26 09 23	Digital Lighting Control System												P	
26 24 16	Panelboards												P	
26 27 26	Switches and Receptacles												P	
26 28 16	Disconnects												P	
26 51 14	LED Lighting Fixtures and Lamps												P	
26 90 90	Electrical Closeout												P	
Division 27 Communications														
27 01 00	Communications General Provisions												P	
27 10 00	Voice / Data / IP Intercom-Clock Infrastructure												P	
27 20 00	Integrated Audio/Visual System												P	
Division 32 Exterior Improvements														
32 13 13	Concrete Paving				P									
32 31 13	Chain Link Fence and Gates				P									
Temporary & General Services														
	Temporary Site Fencing & Gates				P									
	Temporary Site & CM / IOR Office Power & Internet												P	
	Temporary Site Water			P										
	Site SWPPP BMPs (Supply & Maintain)				P									
	Temporary Restroom & Handwash Facilities								P					
	Dumpsters & Site Trash	P							P					
	Construction Fire Extinguishers								P					
	Site Construction Signage								P					
	Final Cleaning								P					
	COVID Temperature & Check-in Station								P					