

GROSSMONT UNION HIGH SCHOOL DISTRICT

GROSSMONT HS KITCHEN AND WEIGHT ROOM MULTI-PRIME

**ATTACHMENT H
BID PACKAGE**

CN-2982

**DEMOLITION, ABATEMENT
AND GRADING**

**TRADE CONTRACTOR SPECIFIC PROVISIONS
BID PACKAGE—CN-2982
DEMOLITION, ABATEMENT AND GRADING**

DEMOLITION, ABATEMENT AND GRADING

The following clarifies certain inclusions, exclusions, and other information. This list is not inclusive of all work and is not limiting in any manner. This Exhibit shall supplement all General and Special Conditions in this Contract unless specifically noted herein to supersede them. This exhibit shall supersede all other conditions in the Contract and Contract Documents in the event of specific conflicts between the Documents.

I. **GENERAL REQUIREMENTS:** The following general requirements apply to all work included in this contract:

1. Full compliance and scope coverage with Specification Section(s):

- DIVISION 00
- DIVISION 01
- 02 41 00 – Demolition
- 31 10 00 – Site Clearing
- 31 22 00 – Grading
- 31 23 16 – Excavation
- 31 23 16.13 – Trenching
- 31 23 23 – Fill
- Section 1 – Asbestos: Asbestos Abatement and Disturbance and Asbestos-Related Work (Via Attachment E – Hazardous Material Report)

Full compliance and scope coverage with all other Project Scope and Specification Sections that interface with and require services related to this scope of work.

2. Prime Contractor and its subcontractors and/or lower tier contractors shall be a licensed contractor pursuant to the California Contractors License Law required for the performance of work in the appropriate classification(s) of contractor's license(s) for the work bid upon, and must maintain the license(s) throughout the duration of the Contract. License required for this work shall be A, or B, or C12 and C21 and C22.

3. Schedule of shop drawings, submittals, and dimension verifications: The following groups of shop drawings and submittals are not all-inclusive and are supplemental to requirements found elsewhere in the documents. These submittals shall be delivered to the Construction Manager not later than the below listed dates:

- a. Dust / Noise Control Plan: **Due: 5 Days after NTP**
- b. Staging Plan: **Due: 5 Days after NTP**

- c. Haul Routes/Signage: **Due: 5 Days after NTP**
- d. Material Test Reports: **Due: 5 Days after NTP**
- e. Import Samples for Lab Analysis **Due: 5 days after NTP**
- f. Documentation of existing conditions **Due: 5 days after NTP**
- g. All Asbestos Abatement Submittals **Due: 5 days after NTP**

These due dates take precedence over other due dates found elsewhere in the Contract Documents. NTP = Notice to Proceed

4. Prime Contractor has reviewed the Project and is aware of existing conditions.
5. All work must be performed in strict accordance and complete compliance with all applicable Federal, State and local regulations, standards, and codes governing asbestos and hazardous materials abatement. The most recent edition of any relevant regulation, standard, document, or code shall be in effect. Where conflict among the requirements or with these regulations exists, the most stringent shall apply. Such governing agencies include but are not limited to the following:
 - U.S. Department of Labor, Occupational Safety and Health Administration (OSHA)
 - California Division of Occupational Safety and Health (DOSH)
 - U.S. Environmental Protection Agency (USEPA)
 - National Emissions Standard for Hazardous Air Pollutants (NESHAP)
 - Air Quality Management District (AQMD)
 - American National Standards Institute (ANSI)
6. All equipment as required to accomplish a complete scope of earthwork including hoisting, saw cutting, haul off of debris from site and dump fees.
7. Schedule: Prime Contractor shall issue to the Construction Manager a detailed Construction Schedule for this trade's work as it pertains to this Project. The work shall proceed in accordance with the Master Construction Schedule issued with the Construction Documents. This schedule shall be modified from time to time in order to properly coordinate and sequence the work; however, the Prime Contractor is responsible to supply sufficient manpower, equipment and material necessary to ensure the duration of time established for the Prime Contractor's work is maintained.

8. Prime Contractor shall coordinate all Fire Control requirements with the governing agency and include those costs in the base price of this contract. Maintain fire department access requirements, emergency access for District personnel and construction personnel.
9. Continuously clean all on and off-site roadways during earthwork/demolition, and ground improvement operations. Provide continuous cleanup of the streets and sidewalks during the haul off and import phases of the work. The Prime contractor shall have street cleaning equipment on site each day prior to starting the haul off and import operation. The Prime Contractor will not be permitted to start the haul off operation until the proper equipment is on site. Dispose of materials collected by the street sweeper in a proper manner off site.
10. Obtain and comply with all AQMD permits and CAL/OSHA safety requirements.
11. Provide dust and water control for demo, earthwork, and ground improvement operations. Site is to be sufficiently wetted at end of shift to prevent the need for off-hours dust control. Protect existing structures and surrounding areas from water damage due to dust control.
12. Include all necessary precautions (including potholing and/or exposing of each utility in the excavation zone) to prevent disturbing of known or unknown existing underground utilities and/or structures, which are not to be removed in this scope of work.
13. Provide protection of existing finishes to remain including installation and maintenance of dust and weather barriers for existing buildings. Special attention to protect existing hydrants, backflow preventers, meters, etc. shall be made.
14. Provide flagmen as required. It is understood that the work will take place within an operating campus and that the Prime contractor is solely responsible to protect the public and maintain un-interrupted access to the campus by the general public. Provide all barricades, etc. as required to achieve this.
15. Prime Contractor will be responsible for collateral damage to areas or finishes not scheduled for demolition as a result of his/her operations. Daily clean-up of all debris related to the Work of this Prime Contractor is required. All debris generated by this Prime Contractor shall be legally removed daily and disposed of offsite by this Prime Contractor.
16. It is understood that all scope inclusions contained in this bid package shall be provided by the Prime Contractor regardless of similar or identical inclusions found in other bid packages or trade contracts.

17. It is understood that the Trade Contractor Specific Provisions contained in the Contract Documents are a material element of this Contract and scope of work. It is specifically noted that the Prime Contractor shall be responsible for all requirements and clauses contained in these Trade Contractor Specific Provisions.
18. Include all necessary precautions to prevent disturbing of known or unknown existing underground utilities and/or structures which are not to be removed in this scope of work. Prior to any demo or grading, Prime Contractor shall develop a hazard plan highlighting existing utility locations including any as-built information that can be obtained. Prime Contractor shall provide their digital as-builts of located utilities. Shut-off valve and switch locations are to be identified in the plan. In addition, valve and switch locations are to be identified in the field and labeled for quick shutdowns in the event of a utility strike. The hazard plan shall be posted in the Construction Site Office for quick reference. Proper utility shut off keys are to be accessible at all times.
19. Provide all necessary railings, barricades and safety devices related to demolition work in compliance with all Local, State and Federal inspection agencies including temporary shoring and structural bracing. Remove all temporary items when no longer required.
20. Field verify existing conditions prior to start of any demolition/hazmat abatement.
21. Prime Contractor shall coordinate with the full set of Contract Documents and other trades to ensure that the limits of demolition are compatible with the requirements of all new installations. Prime Contractor has walked the project and has included all items for removal whether indicated on the plans or not. Coordinate opening sizes, locations, and edge conditions as required with CW Driver and other trades. Demolition of mechanical, electrical and plumbing components shown on the architectural and structural drawings will be performed by the Demolition Prime Contractor. The respective mechanical, electrical and plumbing (MEP) Prime Contractors will be responsible to cut, cap, safe-off, and disconnect the MEP components scheduled for demolition. Prime Contractor shall coordinate and mark out the MEP systems that are to be demolished with the MEP subcontractors in order to prevent removal of systems shown to remain.
22. Prime contractor acknowledges that there are existing mechanical, electrical and plumbing systems contained within the project boundaries that are scheduled to remain and will be in use during the course of construction. Not all electrical, plumbing and mechanical systems will be turned off and coordination and caution must be taken to ensure the safety

of all occupants and employees. Prime contractor must also make necessary provisions to ensure the pool and associated equipment room remains functional for the school's use.

23. It is understood that all the Crane, Trucks, erection equipment, grading equipment and any other heavy equipment must be staged within the project site boundaries.
24. Provide, erect and dismantle all ladders and scaffolding required to perform work. Provide all required rigging and hoisting necessary to perform this scope of work. All lifts and material handling required to perform this scope of work shall be provided by this Contractor.
25. Prime Contractor shall maintain and record as-built information of his/her work in a current condition. Prime Contractor shall transfer all as-built information onto the record set of drawings located at the Construction Manager's Field Office. All transferred information shall be neat, legible and in accordance with the guidelines set forth in the contract documents. Failure to provide as-built information in a timely manner will result in progress payments being withheld.
26. This Prime Contractor acknowledges and includes the cost for all required off-hour, overtime and weekend work schedules as required to perform the work included in this contract and also coordinate this contract work with all other related trades. This contractor shall provide manpower and shift schedules (in advance of the actual work being performed) to the Construction Manager so that it can be analyzed against the Project's schedule requirements.
27. Daily clean-up of all debris related to the Work of this Bid Package Contractor is required. All debris generated by this Bid Package Contractor shall be legally removed daily and disposed of offsite by this Bid Package. All Bid Package Contractors, while on site, will provide a clean-up laborer to be included in the weekly clean-up effort for the duration of the project. For bidding purposes, Prime Contractor shall provide 2 hours per week of clean-up labor for 64 total weeks.
28. Prime Contractor shall coordinate with all subtrades/Primes as it relates to this scope of work. Verify dimensional requirements, locations, paths of travel, structural connections and any other scope as it relates to site conditions and other Prime Contractor's work. This coordination process shall occur prior to or concurrent with detailing to avoid conflicts and field coordination.
29. Prime Contractor shall supply all hoisting equipment, operators and support personnel necessary to safely erect and/or install all of the

material or equipment included in this agreement.

30. Prime Contractor is required to properly staff the Project to maintain the Project's schedule and to ensure proper sequencing with other prime Contractors as required by the Construction Manager.
31. Prime Contractor acknowledges that space for storing materials within the worksite is limited. All delivery and storage of materials shall be scheduled and coordinated with the Construction Manager prior to shipping. Prime Contractor is responsible to assure that stocking of building materials does not overload the building structure or unreasonably impede the work of other trades. Prime Contractor shall promptly relocate stored and stockpiled materials when directed by Prime Contractor.
32. Prime Contractor is responsible to promptly remove from the project all surplus material and debris associated with its work.
33. Prime Contractor is responsible for scheduling and coordinating all deliveries required for this scope of work with the Construction Manager and other Prime Contractors. Prime Contractor to provide adequate flagmen, street closures, sidewalk closures, permits, traffic control, etc. for deliveries, transporting on site, pick-ups as required by the project schedule, specifications, job conditions and governing agencies within the jobsite limits. Prime Contractor shall adhere to OSHA safety standards while on the project site and shall engage their designated safety professional to make periodic jobsite walks for safety compliance. Any noted issues or concerns shall be reported to Construction Manager's Superintendent at the time of visit. Prime Contractor is responsible to maintain/repair/replace any temporary barricades. Prime Contractor acknowledges that parking space within the project boundaries is extremely limited. The only trucks in immediate use (Loading/Offloading, welding rigs, rigging, etc.) will be allowed to stage near work areas. Worker parking will be designated by the Construction Manager. Penalties for failure to comply with this requirement are the responsibility of the individual vehicle owner.
34. In the event of conflicts not clarified prior to bidding deadline, Prime Contractor shall assume the most stringent, higher quality and greater quantity of work for bidding purposes. If Prime Contractor still requires clarification after awarded the project, Prime Contractor shall generate an RFI. If appropriate, a deductive change order shall be issued if the clarification results in a reduced scope.
35. Prime Contractor understands that parking will not be permitted within the limits of work, staff parking, student parking or public parking spaces on campus, unless specifically allowed in the Contract Documents or agreed

upon by the District. Prime Contractor acknowledges that food trucks are prohibited from entry to the construction limits of work and Valhalla High School campus. This General Requirement supersedes parking provisions outlined elsewhere in the Contract Documents.

36. Prime Contractor has reviewed all documents, including Southern Bleacher's & Orness Design Group's Drawings.

II. INCLUSIONS — DEMOLITION, ABATEMENT AND GRADING: The following items are specifically included in the scope of this contract:

2. The intent of this contract is to provide all demolition, abatement, grading, trenching and fill work as required by the Contact Documents and as required to provide clear, unobstructed areas for new structures, utilities and work to be constructed. Provide miscellaneous "exploratory" demolition as required to complete coordination efforts included in this scope of work. Demolition should be performed in such a manner as to permit new work to begin without issue.
3. Prime Contractor has included all excavation, trenching and back fill as per the contract documents including any removals and import – Underground MEP trenching/backfill is the exception. Any import shall be DTSC approved. Should there be any conflicts, the most stringent requirement shall apply. MEP Prime Contractors shall layout saw-cut and demo limits for concrete, asphalt or any other hardscape in the areas of new underground points of connection or underground MEP work. This Prime Contractor shall coordinate with appropriate MEP Prime Contractors, provide saw-cutting, per MEP Prime Contractor layout and demo/remove (including hauling debris) the associated hardscape that was saw-cut. MEP Prime Contractors shall provide trenching, shoring, underground utility installation, backfill material (per plans/specs)/import (per plans/specs) and compaction necessary to meet grade requirements for Concrete Prime Contractor. Concrete Prime Contractor shall cover necessary fine grading for new hardscape.
4. Continuously clean all on and off-site roadways during demolition hauling operations. Dirt, debris or any other material cannot be left in a roadway over-night.
5. Prime Contractor shall provide power for its own equipment. Temporary power may not be available when Prime Contractor's work starts.
6. Provide protection of existing finishes to remain including installation and maintenance of dust and weather barriers. Prime Contractor shall protect existing finishes to remain and includes necessary means of protecting

said finishes. Special attention to protect existing hydrants, backflow preventers, meters, etc. shall be made.

7. Prime Contractor acknowledges that space for storing materials within the job site is extremely limited and that the security of all Prime Contractor's equipment is the responsibility of the Prime Contractor.
8. Prime Contractor shall provide all overtime/shift work as required to achieve the durations in the construction schedule.
9. Prime Contractor shall saw-cut and remove concrete decks, floors and walls as needed for installation of ductwork, conduit and piping as shown in the DSA approved drawings. Layout will be by others.
10. Remove and dispose of all electrical fixtures, devices equipment, etc. not scheduled to remain. Specific areas of each building will be isolated to temporary power shutdowns in order for this Prime Contractor to complete demolition scope. Power will be de-energized by the Electrical Prime Contractor. Prime Contractor to coordinate said power shut downs with Electrical Prime Contractor in order to make areas safe to work.
11. Remove drywall ceilings, walls and misc. items required to install new work. Coordinate exact limits of removal with other subtrades as required. This specifically includes, but is not limited to, framing and drywall at the center elevator bank which is not explicitly shown on the drawings but required for new work.
12. Remove all site items as indicated and required to construct the new work. This includes but is not limited to: asphalt/AC paving, concrete paving, shrubs, trees, fencing, light poles, parking signs, bollards, CMU, fencing, outdoor showers, drinking fountains and similar.
13. Remove all flooring and setting materials. Remove all existing carpet, tack strips, nails, etc.
14. Remove all abandoned piping and conduits if within the depth of the new sub grade design for new foundations and/or paving.
15. Remove all building items as indicated and required to construct the new work. This includes but is not limited to: interior/exterior walls, ceiling, flooring, soffits, doors/frames, windows, sheet metal, millwork/finish carpentry, lockers, fixtures, roofing, skylights, and/or plaster on walls.
16. Sawcut exterior walls/openings as noted in structural. Do not notch, cut, or remove any posts. Consult with architect/engineer if field conditions differ from those shown as noted in plans.

17. Sawcut and removal of existing structural slab as pertaining to new foundations, new and/or existing plumbing, depressed slabs and other similar work.
18. Remove/haul off existing MEP. MEP Contractors to mark-out and safe-off all items including but not limited to: equipment, exhaust fans, ductwork, piping, supports, conduit, devices, and/or other miscellaneous accessories.
19. Provide all required setup, equipment, PPE for all asbestos abatement and lead removal.
20. Remove all asbestos and lead in all areas of demolition as noted in Hazardous Materials Survey Reports by Titan Environmental Solutions. Prime Contractor includes all Titan Environmental Solutions' Conclusions and Recommendations, including but not limited to the notes, "Any materials that have not been identified in this report should be considered suspect ACM/ACCM and handled as ACM unless sampled and proven to be non-ACM by a DOSH Certified Asbestos Consultant" and "Any paints/coatings that have not been identified in this report should be considered presumed LBP and handled as LBP unless sampled and proven to be non-LBP by a CDPH Certified Lead Inspector/Assessor."
21. Provide APCD notification as required and coordinate with Construction Manager.
22. Perform all necessary grading work per Soils Report by Leighton Consulting, Inc., i.e. site clearing rough grade, excavation, cut, fill, remove and recompact, export, import, and finish grade. Prime Contractor includes industry standard equipment or equipment recommended to perform the work described in the Geotechnical Report. Prime Contractor acknowledges the presence of cobble, gravel, and Stadium Conglomerate and includes provisions for removal, as necessary to complete this Prime Contractor's scope. Provisions for removal include, but are not limited to screening, breaking, utilizing appropriate heavy equipment, etc. Prime Contractor has reviewed the boring logs and acknowledges the presence of concrete sections beneath asphalt paving. Prime Contractor shall assume concrete identified in boring data to be present in a minimum of two hundred (200) square feet surrounding the associated boring location.
23. Include haul-off and disposal of all debris, existing fill materials, spoils and surplus soil/cobbles/boulders.
24. The building pads subgrade shall be prepared per the recommendations of the Geotechnical Report.

25. Hardscape and AC pavement areas subgrade shall be prepared per the recommendations of the Geotechnical Report.
26. Prime Contractor shall include all required import/export and laydown per contract documents and Geotechnical Report. If import is required, DTSC testing of import material to be included.
27. A mockup will be constructed by others that includes all building finishes and flatwork samples. Include minor grading (if needed) the demo and haul away of this mockup. Include 20 yards of material to be hauled off. This will require a separate mobilization for the demo and removal.
28. Grade all areas to plus +/- .1' (+/- 1/10').
29. Regrade all work areas after other Prime Contractors have completed utility installation.
30. Prime Contractor shall include eighty (80) additional demolition journeyman labor hours. The Construction Manager/District may authorize the use of these hours only.
31. Prime Contractor shall include thirty (30) additional abatement journeyman labor hours. The Construction Manager/District may authorize the use of these hours only.
32. Prime Contractor shall include fifty (50) additional grading journeyman labor hours. The Construction Manager/District may authorize the use of these hours only. This signifies labor hours only.
33. Prime Contractor includes any temporary trash chute required for demolition/abatement activities.
34. Utility Shut-down requests must be submitted to the Construction Manager 72-hours in advance.
35. Jack hammering, cranes, excavators, saw-cutting and any other heavy equipment use shall be coordinated with the Construction Manager.
36. Prime Contractor shall include provisions for staffing the project with an ON-SITE Project Manager or Superintendent capable of making financial decisions & manpower decisions while contract scope or added scope is being performed. Prime Contractor shall account for this scope by explicitly including this item on the Prime Contractor's Schedule of values (SOV). This individual is prohibited from performing any work. The intent is for this individual to manage and supervise this Prime Contractor's scope while the Prime Contractor is performing scope on the project.

37. Prime Contractor shall coordinate with GUHSD for salvaging of existing equipment/site components prior to demo/abatement Prime Contractor includes salvaging all other equipment/material explicitly called out to be salvaged/saved in the Contract Documents, unless specifically noted otherwise.
38. Prime Contractor shall completely remove all hazardous material identified in the Hazmat Report (Attachment E), regardless of quantities provided within the report.
39. MEP, Fire Alarm & Utility Primes will mark-out demolition of existing equipment/systems. Prime Contractor shall coordinate via site demo mark-out meetings/job-walks with MEP, Fire Alarm & utility primes before and after abatement. Prime Contractor has reviewed all Contract Documents and has included demolition on sheets other than those explicitly named "Demolition" sheets.
40. Prime Contractor includes one hundred (100) additional labor hours. This item is intended to be inclusive of journeyman labor hours without equipment. The Construction Manager/District may authorize the use of these hours only.
41. Include additional concrete slab cutting and removal. For bidding purposes, assume one thousand (1,000) square feet and 8-inch-thick concrete slab. For bidding purposes, assume a section of 2 feet wide by 500 feet long. The Construction Manager/District may authorize the use of these hours only.
42. Prime Contractor has included multiple mobilizations to achieve the requirements of the contract. For bidding purposes, include six (6) mobilizations. A mobilization is defined as removal and return of equipment and materials. A crew leaving the site is not a demobilization.
43. Prime Contractor includes testing existing irrigation system with GUHSD and Landscape Prime Contractor prior to start of demolition activities, and at the end of the project.
44. In the event that the Prime Contractor is scheduled to perform work by the Construction Manager and the Prime Contractor does not arrive on-site or mutually agree upon a date of scope completion within 48-hours of a notice, the Construction Manager shall select an alternative Contractor to perform the work and shall back-charge the responsible Prime Contractor for the scope they did not perform.

45. Include temporarily capping any plumbing pipe where demolition of water fountains, showers, or any other plumbing-related equipment is scheduled to be removed.
46. Include resources to achieve the requirements of ALL "Demolition General Notes" shown on the Contract Drawings.
47. Include X-ray investigation of any existing concrete wall or structural wall that requires saw-cutting and removal of a portion of the wall. Contractor to submit X-ray results to Construction Manager & Structural Engineer prior to saw-cutting and removal portions of concrete walls or structural walls.
48. Prime Contractor includes all dumpsters, trash bins, hauling trucks, hazardous waste disposal, etc. to complete Prime Contractor's scope. Dumpsters, trash bins, haul trucks, hazard waste bins/trucks, etc. will not be provided for this Prime Contractor.
49. Prime Contractor shall participate in an abatement kick-off meeting with the hazardous abatement consultant within seven (7) of NTP.
50. Prime Contractor includes an additional two hundred (200) cubic yards of DTSC certified import soil, suitable for back-fill
51. Prime Contractor includes scope addressed in General Demolition Note #1 on E1.0.
52. Prime Contractor includes provisions to demo hardscape, haul-off debris, trench and backfill for underground electrical conduit shown on E1.1.
53. Prime Contractor includes demolition and removal of asphalt five (5) feet wide around the base of the existing Eucalyptus tree in the quad – by hand. No heavy equipment can be used for this removal/demolition. Prime Contractor includes coordination with the project Arborist in order to carefully remove the asphalt without damaging the root structure of the tree.
54. Prime Contractor has reviewed Attachment J – Logistics Plan and understands that a portion of the demolition work is in close proximity to the existing pool and pool deck. Prime Contractor shall include additional poly-sheeting and fabric mesh at the adjacent fence in order to prevent any collateral damage and/or debris falling on the pool deck. Prime Contractor shall include walking the pool deck at the conclusion of each day while performing demolition tasks adjacent to the pool deck fence in order to ensure foreign debris does not fall in the pool or on the pool deck.

55. Prime Contractor understands that the intent of the project is to abate both buildings at the same time. Prime Contractor shall sufficiently staff the project in order to facilitate abatement on both buildings at the same time as well as meeting the contractual durations provided in the Master Construction Schedule.
56. Prime Contractor includes demolition of all existing hardscape and existing concrete footings at existing bleachers. Prime Contractor shall assume existing concrete footings/caissons are the same size as the newly designed footings/caisson in Southern Bleacher's drawings. In addition to demolition and removal, Prime Contractor shall rough grade the bleacher site accordingly for the new hardscape underneath the new bleachers.

IV. ALLOWANCES: The following allowances are included in this scope of work. The Construction Manager must agree to the price, type and extent of additional scope before work is started. Field Time and Material tickets must be signed by Construction Manager's superintendent on a daily basis to account for the time, material, and equipment used from these allowances. All time, material, and equipment used from these allowances will be billed against these allowances and any portion of the original allowance amount not used will be credited back to the Owner at the end of this Contract's scope of work as a deductive change order. This Article is separate and exclusive from all other Work required by the Contract.

CN-2982 Allowance #1: Unforeseen Demolition/Abatement = \$50,000.00

V. ALTERNATES: N/A

VI. EXCLUSIONS:

1. Electrical safe off (by Electrical Contractor)
2. Cutting and capping of gas and wet utilities (by Site Utility Contractor)
3. Survey (Provided by GUHSD)
4. Demolition and removal of existing below grade wet utilities (by Site Utility/Electrical Prime Contractor)
5. Trenching and backfill for site electrical utilities (by Electrical Prime Contractor)

GROSSMONT UNION HIGH SCHOOL DISTRICT

GROSSMONT HS KITCHEN AND WEIGHT ROOM MULTI-PRIME

**ATTACHMENT H
BID PACKAGE**

CN-2983

**STRUCTURAL/SITE
CONCRETE**

**TRADE CONTRACTOR SPECIFIC PROVISIONS
BID PACKAGE—CN-2983
STRUCTURAL/SITE CONCRETE**

STRUCTURAL/SITE CONCRETE

The following clarifies certain inclusions, exclusions, and other information. This list is not inclusive of all work and is not limiting in any manner. This Exhibit shall supplement all General and Special Conditions in this Contract unless specifically noted herein to supersede them. This exhibit shall supersede all other conditions in the Contract and Contract Documents in the event of specific conflicts between the Documents.

I. **GENERAL REQUIREMENTS:** The following General Requirements apply to all work included in this Contract:

1. Full compliance and scope coverage with Specification Section(s):
 - DIVISION 00
 - DIVISION 01
 - 03 10 00 – Concrete Forming and Accessories
 - 03 20 00 – Concrete Reinforcing
 - 03 30 00 – Cast-In-Place Concrete
 - 03 35 11 – Concrete Floor Finishes
 - 05 11 – Masonry Mortaring and Grouting
 - 04 20 00 – Unit Masonry
 - 07 92 00 – Joint Sealants
 - 09 05 61 – Common Works Results for Flooring Preparation (For this Prime)
 - 09 67 00 – Fluid-Applied Flooring
 - 32 11 23 – Aggregate Base Courses
 - 32 12 16 – Asphalt Paving
 - 32 13 13 – Site Concrete
 - 32 31 13 – Chain Link Fences and Gates
 - 32 84 00 – Irrigation
 - 32 93 00 - Planting

Full compliance and scope coverage with all other Project Scope and Specification Sections that interface with and require services related to this scope of work.

2. Prime Contractor and its subcontractors and/or lower tier contractors shall be a licensed contractor pursuant to the California Contractors License Law required for the performance of work in the appropriate classification(s) of contractor's license(s) for the work bid upon, and must maintain the license(s) throughout the duration of the Contract. License required for this work shall be B, or (C8 and C13 and C29 and C50)
3. Schedule of shop drawings, submittals, and dimension verifications: The following groups of shop drawings and submittals are not all-inclusive and are supplemental to requirements found elsewhere in the Contract Documents. These submittals shall be delivered to the Construction Manager not later than the below listed dates:

- a. Concrete and Formwork Product Data. Including but not limited to: all Forming Systems; Concrete Product Data including Mix Designs for all mixes, Base and Sand Gradations and Data, Vapor Barriers, Curing Blankets, Curing Compounds, Sealers, Formwork Shop Drawings, Joint Layout Drawings, Material Certificates, Inserts, and Embeds, etc.
 - i. **Due: 14 Calendar Days after Notice to Proceed**
 - b. Rebar Shop Drawings for all Foundations and Slab on Grade
 - ii. **Due: 14 Calendar Days after Notice to Proceed**
 - c. #040511 – Masonry Mortaring & Grout and #042000 – Unit Masonry
 - iii. **Due: 10 Calendar Days from Notice to Proceed**
 - d. #033511 – Concrete Floor Finishes & #096700 – Fluid-Applied Flooring
 - iv. **Due: 14 Calendar Days after Notice to Proceed**
 - e. Meeting Minutes from Pre-Installation Meeting
 - v. **Due: 1 week after meeting is held**
 - f. ALL other contractual submittals
 - vi. **Due: 28 Calendar Days from Notice to Proceed**
 - vii. **These due dates take precedence over other dates found elsewhere in the Contract Documents.**
- 4. Prepare any coordination drawings required to show the interface between work provided by this Contract and others.
 - 5. Procurement of Critical Long Lead Items: Prime Contractor shall be responsible to ensure that the following critical long lead items are delivered to the project site by the noted delivery date regardless of approval status.
 - 6. Prime Contractor has included provisions to store fabricated material off-site until required installation date.
 - 7. Schedule: Prime Contractor shall issue to the Construction Manager a detailed Construction Schedule for this trade's work as it pertains to this Project. The work shall proceed in accordance with the Master Construction Schedule issued with the Construction Documents. This schedule shall be modified from time to time in order to properly coordinate and sequence the work; however, the Prime Contractor is responsible to supply sufficient manpower, equipment and material necessary to ensure the duration of time established for the Prime Contractor's work is maintained as per the Construction.
 - 8. Prime Contractor has reviewed the Project and is aware of existing conditions.
 - 9. Provide flagmen as required. It is understood that the work will take place within an operating Campus and that the Prime Contractor is solely responsible to protect

the public and maintain uninterrupted access to the campus by the general public. Provide all barricades, etc to achieve this. Perform during off-hours as required to avoid disruption of campus operations.

10. Comply with all City, County and State requirements, prepare haul route and obtain permits as required.
11. Prime Contractor will be responsible for collateral damage to areas or finishes not scheduled for demolition as a result of his operations.
12. CalOSHA compliant safety eye protection is required at all times for all personnel, workers, and visitors on the construction site in accordance with District Standards.
13. Include all work as referenced by notations: "by Concrete Contractor", "by General Contractor" (as it applies to the scope contained herein), or similar that may be noted throughout the entire set.
14. Prime Contractor shall provide protection of existing finishes to remain including installation and maintenance of dust and weather barrier.
15. It is understood that all scope inclusions contained in this bid package shall be provided by the Prime Contractor regardless of similar or identical inclusions found in other bid packages or trade contracts.
16. It is understood that the Trade Contractor Specific Provisions contained in the Contract Documents are a material element of this Contract and scope of work. It is specifically noted that the Prime Contractor shall be responsible for all requirements and clauses contained in these Trade Contractor Specific Provisions.
17. It is understood that all crane, trucks, concrete pumping equipment, wash outs, etc. must be staged within the project site boundaries. Prime Contractor must visit the site and prepare a pump plan prior to scheduling concrete pumping equipment
18. Provide, erect and dismantle all ladders and scaffolding required to perform work. Provide all required rigging and hoisting necessary to perform this scope of work. All lifts and material handling required to perform this scope of work shall be provided by the Concrete Contractor.
19. Prime Contractor shall maintain and record as-built information of his work in a current condition. The Prime Contractor shall transfer all as-built information onto the record set of drawings located at the Construction Manager's Field Office. All transferred information shall be neat, legible and in accordance with the guidelines set forth in the contract documents. Failure to provide as-built information in a timely manner will result in progress payments being withheld.
20. Daily clean-up of all debris related to the work of this Bid Package Contractor is required. All debris generated by this Bid Package Contractor shall be legally removed daily and disposed of off-site by this Bid Package Contractor. All Bid Package Contractors, while on site, will provide a clean-up laborer to be

included in a weekly clean-up effort for the duration of the project. For bidding purposes, Prime Contractor shall provide 2 hours of clean-up labor for 65 total weeks.

21. Directly coordinate with all subtrades/Primes as it relates to this scope of work. Verify dimensional requirements, locations, paths of travel, structural connections and required sleeving and/or penetrations. Coordinate, framing, MEP trades, special equipment, interior finishes, etc. This coordination process shall occur prior to or concurrent with detailing to avoid conflicts and field coordination problems.
22. Prime Contractor shall supply all hoisting equipment, operators and support personnel necessary to safely erect and/or install all of the material or equipment included in this agreement.
23. Give 48-hour written notice to both Construction Manager and Inspector of Record prior to the initial start and all subsequent phases of shop fabrication.
24. Prime Contractor will have all required local and state licenses and certifications as to allow shop fabrication without deputy inspection. Prime Contractor's field welders will have all required licenses /certifications as required by the Contract Documents and Local Authorities. Where local/state welding requirements are more stringent than the specified welding requirements; the most stringent shall govern.
25. Prime Contractor is required to properly staff the Project to maintain the Project's schedule and to ensure proper sequencing with other prime Contractors as required by the Construction Manager.
26. This Prime Contractor acknowledges and includes the cost for all required off-hour, overtime and weekend work schedules as required to perform the work included in this contract and coordinate this contract work with all other related trades. This Prime contractor shall provide manpower and shift schedules (in advance of the actual work being performed) to the Construction Manager so that it can be analyzed against the Project's schedule requirements.
27. Prime Contractor is responsible to provide all layout for its work from survey control points and lines, including all building corners, grid lines, offsets, elevations, etc.
28. Provide all necessary protection for new work and adjacent finishes from Prime Contract work operations. Include steel plates, plywood, plastic and masking protection as required. Prime Contractor is responsible to maintain/repair/replace any temporary barricades that are moved or damaged by its work. Prime Contractor is responsible to protect all existing structures/MEPs/benchmarks/miscellaneous items as required by the Contract Documents during this Prime Contractor's work.

29. Prime Contractor acknowledges that space for storing materials within the worksite is limited. All delivery and storage of materials shall be scheduled and coordinated with the Construction Manager prior to shipping. Prime Contractor is responsible to assure that stocking of building materials does not overload the building structure or unreasonably impede the work of other trades. Prime Contractor shall promptly relocate stored and stockpiled materials when directed by Prime Contractor.
30. Prime Contractor is responsible to promptly remove from the project all surplus material and debris associated with its work.
31. Prime Contractor is responsible for scheduling and coordinating all deliveries required for this scope of work with the Construction Manager and other Prime Contractors. Prime Contractor to provide adequate flagmen, street closures, sidewalk closures, permits, traffic control, etc. for deliveries, transporting on site, pick-ups as required by the project schedule, specifications, job conditions and governing agencies within the jobsite limits.
32. Prime Contractor shall adhere to OSHA safety standards while on the project site and shall engage their designated safety professional to make periodic jobsite walks for safety compliance. Any noted issues or concerns shall be reported to Construction Manager's Superintendent at the time of visit. Prime Contractor is responsible to maintain/repair/replace any temporary barricades.
33. Prime Contractor acknowledges that parking space within the project boundaries is extremely limited. The only trucks in immediate use (Loading/Offloading, welding rigs, rigging, etc.) will be allowed to stage near work areas. Worker parking will be designated by the Construction Manager. Penalties for failure to comply with this requirement are the responsibility of the individual vehicle owner.
34. In the event of conflicts not clarified prior to bidding deadline, Prime Contractor shall assume the most stringent, higher quality and greater quantity of work for bidding purposes. If Prime Contractor still requires clarification after awarded the project, Prime Contractor shall generate an RFI. If appropriate, a deductive change order shall be issued if the clarification results in a reduced scope.
35. Prime Contractor shall furnish and install all mock-ups required by specifications found within this Prime Contractor's scope.
36. Prime Contractor shall include provisions to comply with all delegated-design submittal requirements found within their respective specification sections.
37. Prime Contractor shall comply with and include all General Notes shown on S0-0.1 S0-0.2 & S0-0.3

38. Prime Contractor understands that parking will not be permitted within the limits of work, staff parking, student parking or public parking spaces on campus, unless specifically allowed in the Contract Documents or agreed upon by the District. Prime Contractor acknowledges that food trucks are prohibited from entry to the construction limits of work and Grossmont High School campus. This General Requirement supersedes parking provisions outlined elsewhere in the Contract Documents. The general site wide storm water pollution prevention plan (SWPPP) or water Pollution Control Program (WPCP) will be prepared and implemented by this Prime Contractor. Prime Contractor shall assume full responsibility to maintain, monitor and modify the SWPPP/WPCP as required by state law and through the entire construction duration. Furnish, install, modify & maintain all SWPPP/WPCP improvements for the project duration, and remove when directed by the Construction Manager. This includes but is not limited to:
- a. 4 ea. Rumble plates/shaker plates the full width of the construction entries
 - b. Fiber rolls around entire site.
 - c. All other SWPPP/WPCP improvements noted in the Contract Documents and required by law.
 - d. Keep SWPPP/WPCP plan located in Construction Managers Field Office current.
 - e. Include forty (40) man hours of labor to augment SWPPP/WPCP as directed by Construction Manager.
 - f. Include an additional twenty (20) hours of street sweeping. Hours to be used in four-hour blocks. This is in addition to the Prime Contractor's requirements and may only be used as directed by the Construction Manager. This may include street sweeping after Contractor has demobilized from the site.

III. REINFORCING STEEL INCLUSIONS: The following items are specifically included in the Reinforcing Steel scope of this Contract:

1. Prime Contractor to furnish and install all reinforcing steel and related accessories for concrete work including but not limited to: footings, grade beams, stem walls, slab on grade, thickened slab edges, walls, curbs, equipment pads, housekeeping pads, masonry walls, patch-back, slab infills, etc. Include chairing/spacers of mesh if required by the Contract Documents.
2. All handling and off-loading of materials.

3. All hoisting for Contract work and material placement as required by schedule and access considerations.
4. Coordinate all shop fabrication / field inspection. (Costs of inspection by others.) Become completely familiar with testing requirements and coordination of mill certificates, labeling, tagging, and stamping of steel during the fabrication process, shipment to jobsite and erection. No unidentified steel shall be used. All steel will have mill certifications and be properly identified (source, heat or melt number, etc.). If required, the Inspection Firm will take steel samples and will perform destructive tests. Accordingly, purchase steel in such quantity, length, size, etc. to allow steel samples to be taken from the actual elements to be used in construction. Coordinate this "couponing" of the steel and provide the samples required by the Testing Laboratory. Provide adequate access for Inspectors to all elements of work. Means of access include ladders, lifts, scaffolds, etc. Costs for re-inspection of any work as a result of previous failed inspection will be the responsibility of this Prime Contractor.
5. Coordinate locations/placement of all reinforcing with all other building elements i.e., structural steel, embeds for other trades, electrical work, blockouts, sleeves, forming systems, etc. reposition reinforcing as required to provide proper clearances.
6. All material shall be clean of all scale, rust, oils, dirt, foreign matter etc., immediately prior to concrete placement.
7. Bracing/guying of all reinforcing work as required including columns, pilaster, walls, etc.
8. Directly coordinate with the Construction Manager and for all schedule and specific job requirements, as follows:
 - i. Delivery, stockpiling, staging and distribution of materials.
 - ii. Minor revisions in fabrication and dimensions to reinforcing steel/mesh due to actual field conditions, stepped footings, elevation changes, etc.
9. Remove all surplus reinforcing materials and debris from Project as directed by the Construction Manager.
10. Furnish and install all chairing and spacers for work as required. All rebar mats for SOG will be dobed (pulling is not acceptable).
11. Supply sufficient personnel during concrete placement (Pour Watch) to ensure reinforcement is maintained within the required tolerances.
12. Furnish, install, and maintain rebar dowel protectors in accordance with OSHA requirements.
13. Straighten/replace rebar/mesh that is temporarily removed, bent, and/or adjusted by other trades.

14. Welding of reinforcing steel as required per the Contract Documents. Welders must be certified by applicable organizations. Welding Certificates shall be furnished to Construction Manager as required per Specifications.

III. CONCRETE FLOOR FINISHES & FLUID-APPLIED FLOORING INCLUSIONS: The following items are specifically included in the Structural & Site Concrete scope of this Contract:

1. Include Concrete Floor Finishing noted as CONC-1 on the Color, Materials & Finishes Legend shown on ID-1.0 and all building Finish Plans and other such locations. Prime Contractor includes all concrete floor finishes applications noted in specification #033511 – Concrete Floor Finishes. In addition to the requirements outlined in the specifications, Prime Contractor shall provide a record of material (gallons) used on the project via daily reports and invoices, as well as a record of cure time between coats. If the Prime Contractor proposes to use multiple manufacturer's for concrete sealing and/or epoxy products, Prime Contractor must provide a letter from the manufacturers that states their products are compatible with one another and that the manufacturers will maintain their respective warranties.
2. Prime Contractor shall furnish and install liquid densifier/hardener at all concrete floors/surfaces, per the Contract Documents (#033511-2.04A1,A2 & A3). Prime Contractor shall install products per the manufacturer's instructions and in coordination with the full extents of the plans and specifications.
3. Prime Contractor shall furnish and install clear concrete sealer with a slip-resistant coating applicable to the clear sealer product at all CONC-1 areas. Prime Contractor shall install products per the manufacturer's instructions and in coordination with the full extents of the plans and specifications.
4. Prime Contractor shall furnish and install all Fluid-Applied Flooring per #096700 and per plans. Prime Contractor shall prepare substrates per the manufacturer's instructions, per #096700 and per #090561-Common Work Results for Flooring Preparation.
5. Prime Contractor includes moisture vapor emission testing, internal relative humidity testing and alkalinity (pH) tests at all areas where concrete sealer or fluid-applied flooring is schedule to be installed if the concrete sealer and/or the fluid-applied flooring manufacturer requires certain moisture content, relative humidity or pH levels prior to applying their product. Prime Contractor shall follow specific remediations per #090561-3.01C, as applicable.
6. This Prime Contractor provides both the new concrete and the concrete sealer and fluid-applied flooring; therefore Prime Contractor is responsible for coordinating it's own work and ensuring that the concrete substrate meets the requirements of the concrete floor sealing and fluid-applied flooring manufacturer's substrate and preparation requirements.
7. Prime Contractor shall furnish and install floor protection at all concrete sealer & fluid-applied flooring areas. Floor protection shall be 'Skudo' type or better. Prime

Contractor shall include removal of said floor protection.

IV. STRUCTURAL & SITE CONCRETE INCLUSIONS: The following items are specifically included in the Structural & Site Concrete scope of this Contract:

1. Furnish and install all Structural/CIP Concrete and Site Concrete including, but not limited to foundations, slabs on grade, thickened slab edges, curbs, footings for CMU/masonry, equipment pads, elevator pits, patch-back, slab infills, curbs at building walls where indicated, driveways, sidewalks, curb and gutter, flatwork, caulking or joint filling at exterior concrete, etc.
2. Include depressed slabs as indicated on Foundation Plans, architectural plans, plumbing plans and other such locations.
3. Furnish and install all Site Concrete including, but not limited to concrete paving, concrete steps/ stairs, curbs, sawcut and isolation joints, dowels, and all exterior joint sealants.
4. Include truncated domes where indicated in plans (if applicable).
5. Include interior and exterior housekeeping pads for all equipment and enclosures as required.
6. Prior to starting any work, check for ADA compliance as required to match and join adjacent surfaces.
7. Include patch-back of removed structural slab required for new foundations, plumbing, depressed slabs and other similar work. Include all work pertaining to patch-back including but not limited to doweling, drilling, epoxy, reinforcing.
8. Include aggregate base as required by Contract Document requirements. This includes but is not limited to the recommendations of the Geotechnical Report.
9. Obtain and pay for all concrete mix designs required for project. Mix designs shall comply with all Contract Document requirements.
10. Directly coordinate with all trades that require sleeves in concrete work. Verify dimensions, locations and special requirements of openings, penetrations, sleeves, and blockouts in concrete work with other trades prior to pours. Install sleeves and block-outs and infill later.
11. At buildings, install all metal stud anchor bolts and structural embeds in concrete. Framing Prime Contractor will provide the anchor bolts for Concrete Prime Contractor's installation. They will provide either a layout drawing or layout in the field. Concrete Prime contractor will complete the installation. Coordinate directly with other Prime Contractors that have embedded items in concrete.
12. It is the responsibility of this Prime Contractor to coordinate and schedule all required testing and inspections for this scope of work. Construction Manager shall be notified of any and all such inspections and tests. Costs of inspection and testing will be by other except for re-inspection or premium time costs.

13. Install all concrete equipment pads, pits, depressions, keyways, sumps and curbing for all electrical, mechanical and plumbing items that are included in all Contract Documents. Verify the quantity, size and location with each respective trade; see Mech., Elec., Plumbing, Fire Protection and Architectural drawings for more specific information. Prime Contractor shall assume all floor mounted water heaters, transformers and lighting inverters require a concrete pad with a minimum distance of 8" from the edge of the pad to the centerline of the anchorage point of the equipment, unless a specific detail is referenced in the plans.
14. All exposed concrete walls and columns shall be constructed to the ACI standards for Architectural Concrete. This specifically includes form lumber and plywood, tie spacing, form liners, the use of fiberglass forms, form releases, patch and sack, pour rates, etc. All concrete textures and finishing of all concrete work, including sub slabs, as well as curing compounds and sealers shall be compatible with all other building components and finishes, i.e., waterproofing, roofing, tile flooring, flooring, adhesives, paint, etc.
15. Furnish and install construction joint slip dowels and smooth round bar as required.
16. Provide all cold joints, construction joints, expansion joints, control joints, keyways, saw-cut joints, pre-formed joint fillers, etc., as required by the Contract Documents. If applicable, include foam or other separation materials at special conditions. Reference typical details throughout the Drawings. All joints shall be square and true using good equipment with sharp blades to accomplish cuts without spalling.
17. Install all embeds, inserts, anchor bolts, sleeves, reglets, handrail/guard rail sleeves etc., (furnished by others unless noted otherwise) in concrete work. Provide templates, racks, etc., as required to secure items during pouring operations.
18. Include all necessary patching, grinding, infill and sacking to any concrete work performed by the Prime Contractor.
19. This Prime Contractor is responsible for:
 - a. Keeping all streets and roads free of debris and repairing any damage caused by work operations.
 - b. Controlling dust during work operations.
 - c. Ensuring all work areas are adequately drained and bermed to prevent inundation by surface water.
 - d. Protecting designated areas or items from damage by work operations.
 - e. Flagmen, barricades, traffic control during work operations.
20. At the conclusion of all work and when directed by Construction Manager, power wash all exterior sidewalks and clean-up all sidewalk areas.
21. Place concrete fill around sleeves and penetrations below and around footings. This work will be exclusive, review all Contract Documents.
22. Building and Structural Grading: Concrete Contractor shall accept building pads and rough grading from Earthwork Contractor at +/- 0.5'. Prime Contractor will be responsible to provide all cut and fill (to balance) required to bring the building and immediately surrounding

site to final subgrades. This Contract specifically includes all excavation and backfill of pits, walls, depressions, etc. for the project. Prime Contractor includes removal of their own spoils generated

23. Remove all surplus spoils. Prime Contractor is aware of the non-suitability of existing on-site soils that are not to be used as structural fill. All import soils must be certified free from health hazard contaminants in accordance with DTSC requirements. Prime Contractor is responsible for all costs associated with testing, research, and certification of the import site or materials plant to ensure import materials are in complete compliance.
24. All spoils generated by the work included in this Contract shall be removed from the site and disposed of in a legal manner by this Prime Contractor.
25. Include all necessary fine grading under and surrounding all concrete work.
26. Furnish and install crushed rock base materials below structural concrete work as required by the Contract Documents. Furnish and install all vapor barriers below slabs. Do not puncture vapor barrier with form stakes, screed pins or any other item. Seal all pipe and conduit penetrations in accordance with manufacturer's recommendations.
27. Provide block outs for all building materials/components/utilities, etc. as required. Include patching/infill of blockouts as required. Coordinate the sizes and locations with respective trades. (This includes column diamonds, wall blockouts, etc.)
28. Form both sides of all concrete structures below grade, i.e. retaining walls, stairs, etc. so that an acceptable surface for waterproofing is achieved. Prime Contractor includes all underground waterproofing at locations where this Prime Contractor has installed below-grade concrete or as shown on drawings.
29. Clean, patch, grind all concrete areas to receive waterproofing as acceptable to the waterproofing manufacturer. This includes tops and faces of footings.
30. Immediately and continuously de-water and pump out to appropriate drainage receptacle; all footings, pits, structural excavations, etc., as required by water ponding and weather conditions. Automatic pumps shall be used during all off-hour periods of construction. Immediately clean, "muck-out", remove soft/muddy soils from all foundation and pit excavations as required by Inspector or Soils Engineer so that work may continue. If required, remove/replace formwork, reinforcing steel, embeds, etc., as required to clean out foundations/pits. Reference Supplemental Conditions for further rain damage prevention responsibilities.
31. Clean out of all concrete conveying equipment shall be performed at a location designated by the Construction Manager. Remove all debris, form materials, surplus materials, concrete, etc. from the site at regular intervals determined by Construction Manager. Protect all storm drains from contamination. Provide a SWPPP compliant contained washout area.
32. Provide and maintain rebar protection in accordance with CalOSHA approved methods.
33. Furnish and install all curing/hardener/sealer compounds. Verify and assure that all

compounds are fully compatible with future flooring/finish applications.

34. Do not place all reinforcing on slabs during the concrete placing operations to insure proper coverage and location.
35. Install all required slab depressions and proper sloping of structural slabs for architectural concrete topping slabs, ceramic/quarry tile, special flooring, cast stone, thresholds, kitchen equipment, etc. Verify all dimensions and specific requirements with the respective trades. If a discrepancy occurs between the Contract Drawings, specifications and/or finish schedule, the Construction Manager shall be notified immediately. If a depression was not provided, or incorrectly placed, then make all required corrections.
36. Pre-saturate soils (if required).
37. Install all concrete within the required tolerances. For slab on grade, place slabs to achieve the specified Floor Flatness (FF) and Floor Levelness (FL) as required.
38. Include drilling and epoxy grouting for rebar dowels.
39. Install all structural steel anchor bolts (furnished by Structural Steel Contractor) that are installed in concrete walls, decks, foundations, etc. Construct templates as required for proper bolt placement and alignment. Level one nut to proper elevation in each bolt pattern for the Structural Steel Contractor.
40. Grout/dry-pack under structural steel columns, base plates, beam seats, wood sills, etc.
41. Protect all in slab/below slab embeds during and after concrete placement. This specifically includes but is not limited to electrical raceways, floor boxes, floor drains, etc.
42. Slope all floor slabs to drains as required by the Contract Documents.
43. The Concrete Contractor shall grade the area directly outside and inside the building.
 - a. To allow installation of concrete.
 - b. Backfill level to allow installation of scaffolding.
Re-contoured to final grades after scaffolding is removed.
44. All interior (non-sloping) slabs shall have a maximum deviation of 1/8" in 10' from design elevation. Correct all non-complying slabs.
45. Install all embeds, sleeves, inserts, ledger angles, bent plate, weld plates, beam seats, bearing plates, deck bearing angles and bent plates, beam shear plates, column anchor bolt clusters, anchor bolts and hooked bolts for framing, steel and all other attachment hardware that is embedded in concrete work as required. Fully coordinate requirements and locations of these embedded items with the affected trades. Protect and clean these embed items to allow removal, replacement and tightening of nuts.
46. At all anchor bolts and other embedded items, properly coat and clean all threads as required to allow tightening of bolts without further cleaning action. Install all washers and nuts on embeds.

47. Civil and Landscape Plans shall be referenced, as well as the architectural plans for the site work portion of concrete work.
48. Include flatwork joint sealant.
49. Prime Contractor shall install all reinforcing for site work concrete.
50. Prime Contractor shall dig all thickened edges for site work concrete, including but not limited to ramps, sidewalks, raised curb sections, etc.
51. Prime Contractor shall furnish and install base and subgrade preparation per concrete paving details and elevations shown in the Contract Documents.
52. Prime Contractor shall install all concrete control joints per plans and specs.
53. Prime Contractor shall utilize smooth face form boards for all exposed concrete forming such as the retaining wall.
54. Remove all spoils from the site.
55. Include all required concrete patch work in areas where new utilities are shown in areas of existing concrete. Patch work includes but is not limited to finish grading, base & other fill (as specified), doweling, epoxying, & new concrete section.
56. Include 10 ea. 40 CY trash dumpsters for all trades to use to dispose of non-hazardous debris. (Concrete wash out is not to be placed in these dumpsters).
57. Prime Contractor includes power washing all of its scope once completed.
58. Prime Contractor includes one hundred and twenty (120) additional journeyman labor hours. The Construction Manager/District may authorize the use of these hours only
59. Prime Contractor shall provide concrete joint (all types) layout shop drawings prior to pouring concrete. Concrete joints shall be installed per specifications and ACI standards.
60. Prime Contractor has included multiple mobilizations to achieve the requirements of the contract. For bidding purposes, include a minimum of seven (7) mobilizations. A mobilization is defined as removal and return of equipment and materials. A crew leaving the site is not a demobilization.
61. Prime Contractor will provide the resources necessary to achieve the multi-placement details required to achieve seat walls and benches. This may include, but is not limited to, cleaning of already placed footings, chipping and grinding to achieve sufficient amplitude for the cold joints and removing and replacing formwork so other trades can complete their incorporated scope.
62. Prime contractor will provide a mock-up of hardscape within 15 days of contract execution.
63. Prime Contractor includes all equipment pads required by the electrical

drawings/specifications.

64. Prime Contractor has reviewed Attachment L - DEHQ-FHD Approval and Conditions and shall comply with item #6.
65. Prime Contractor includes all concrete hardscape and reinforcement around and underneath the new bleachers at the sports stadium. All concrete foundations (i.e. footings, caissons, etc.) are by the Bleacher Prime Contractor.

V. **ASPHALT PAVING INCLUSIONS:** The following items are specifically included in the Asphalt Paving scope of this Contract:

1. Contractor shall furnish and install all asphalt paving including subgrade preparation (scarification and re-compaction), aggregate base, asphalt curbs, asphalt swales, striping, HC striping, HC symbols, signage, and parking bumpers, etc., for a complete scope of work as required by the Contract Documents. Provide paving sections as detailed. Compact subgrade and pavement base to specified levels of compaction. Paving sections greater than what is considered an overlay may be required to achieve the new grade elevations required by the contract documents. Contractor must include sufficient resources (labor, materials and associated methods (multiple lifts, alternative sections, etc.)) as needed to achieve the grades and elevations indicated on the contract documents.
2. Contractor shall verify existing conditions related to this scope of work prior to starting. Notify Construction Manager immediately in writing of any discrepancies between Contract Documents and existing conditions.
3. Prepare subgrade in accordance with the Soils report and specifications. Remove minor irregularities by fine grading prior to placing aggregate base. Subcontractor shall flood test paving areas at the completion of work and correct any defects prior to striping.
4. Include grinding, overlaying, striping, parking bumpers, signage, etc. as required by the Contract Documents.
5. Contractor shall coordinate with the Site Utility Contractor to adjust valve cans, cleanouts, and manhole covers, etc. as required to match finish grades.
6. Include all required asphalt patch work in areas where new utilities are shown in areas of existing asphalt. Patch work includes but is not limited to finish grading, base & other fill (as specified), asphalt paving section and striping (if applicable).
7. Contractor shall include grinding and removal of leading edge of asphalt paving where new paving meets existing paving section.
8. Contractor shall verify exact locations of all utilities that may be encountered during constructions.
9. Contractor acknowledges that others will provide initial survey and staking only

once. This Contractor will protect all stakes and hubs during constructions. If stakes are destroyed by this Contractor during construction, any additional surveying shall be the responsibility of this Contractor.

10. Contractor shall provide dust control during all work operations until all areas are 100% paved.
11. Contractor shall provide daily cleanup of streets and sidewalks during work operations.
12. Back fill curb cuts.
13. Sub grade will be left mostly at +/- .1'. However paving contractor will repair areas disturbed by traffic and other trades up to +/- .5'.
14. Prior to installing any work, verify ADA compliance with adjoining surfaces.
15. At all adjoining edges, sawcut and remove 1' of asphalt due to spalling, etc.
16. Include weed killer to subgrade prior to any new asphalt placement. Public School industry standard shall be assumed if a product is not specified.
17. Include patch and repair for landscape and irritation as required.
18. Prime Contractor includes resetting all existing vaults, pull-boxes and any other utility box scheduled to remain and those that are embedded in the existing asphalt or concrete surfaces schedule to be overlaid, resurfaced or replaced. If resetting the box is unfeasible, Prime Contractor includes full replacement of the vault/utility box. *Blending or feathering* the asphalt is not acceptable.
19. Prime Contractor includes sealing all new sections of asphalt paving and grind & overlay asphalt paving areas. Sealing shall adhere to the design requirements of Specification #321216.
20. Prime Contractor includes Petromat (Propex Fabrics Inc.) at all areas where new asphalt paving is shown.
21. Prime Contractor includes all pavement markings, as included in the Contract Documents.
22. Prime Contractor includes repainting any fire lane pavement markings removed in areas where asphalt is replaced or ground-down and overlaid.
23. Prime Contractor includes three thousand (3,000) additional square feet of asphalt grinding and overlay. Overlay includes a seal coat.
24. Prime Contractor includes eighty (80) additional journeyman labor hours for miscellaneous asphalt paving work. The Construction Manager/District may authorize the use of the these hours only.

25. Prime Contractor includes provisions for cure time of asphalt prior to sealing asphalt. Provisions include but are not limited to multiple mobilizations for sealing and striping/painting.
26. Prime Contractor to flood test all AC paving surfaces. Correct any surface defects and ponding for compliance with the Contract Documents.
27. All asphalt paving sections shall comply with the specifications in addition to the recommendations found in the Geotechnical Report.
28. Prime Contractor has reviewed the existing site asphalt conditions, as well as the existing condition of the existing vault covers/lids. Prime Contractor shall include replacing eight (8) vault covers/lids at the size of 4'x8'. This scope item is inclusive of furnishing and installing said vault cover replacements.
29. Prime Contractor is solely responsible for assuring that finished pavement surfaces are in compliance with ADA maximum slopes, including cross slopes.

VI. MASONRY INCLUSIONS: The following items are specifically included in the Masonry scope of this Contract:

1. Contractor to furnish and install all new Concrete Masonry Units (CMU) per plans and specifications – Interior, Exterior & Site.
2. Contractor to furnish and install all masonry steel reinforcement and related accessories. Provide dowels as required.
3. Prime Contractor includes all grout and mortar mix designs. Mix designs shall fully comply with all project requirements.
4. All footing and slab preparation ahead of installation.
5. Block anchors, wall ties and related hardware.
6. Furnish and install masonry lintels and lintel angles as required.
7. Hoist and install all embeds, pipe sleeves, inserts, frames, lintel angle, deformed bars, anchor bolts, joist bearing plates, deck bearing plates, beam bearing plates, bent plate, wall boxes, reinforcing steel, etc., FOB jobsite by others, as required. Fully coordinate all embed and attachment requirements with each Prime Contractor, including Rough Carpentry, Steel, Misc. Metals, Sheet Metal, Concrete, Plumbing, Electrical and Mechanical Prime Contractors. Each subtrade will provide layout of embedded items per approved shop drawings. Subcontractor shall grout solid all embed types in CMU walls. The other Prime Contractors shall offload, stock and transport embeds to coordinated location on site with the Construction Manager.
8. Install weep holes as required.
9. Fully grout all structural block outs for steel and other structural work including

base plates.

10. Coordinate all masonry openings, details, layout and embedded items with related sub trades. In the event of inconsistencies between Contract Documents or shop drawings, provide written notification to the Construction Manager.
11. Set and grout door frames and window frames installed in masonry walls.
12. Control joints.
13. Grouting in CMU cavities.
14. Engineer and provide temporary shoring for CMU walls and openings (as required). Install and remove bucks required for masonry work including openings, doors, windows, bond beams, etc.
15. Rough bucks for all openings in masonry.
16. All scaffolding, hoisting required for masonry work.
17. Layout for initial building control.
18. Cleaning of masonry walls.
19. Provide vertical rebar layout for dowels placed in foundations and other concrete structure that is associated with the masonry scope of work.
20. Coordinate all testing and inspections required for this scope of work. Provide access for inspection of work. Testing and inspections will be by others except for costs incurred as a result of remedial work and as described in the General Conditions.
21. Contractor to supply all reinforcing steel as a related to their scope of work.
22. Provide and maintain rebar protection in accordance with OSHA requirements for all rebar placed by this Contractor.
23. Contractor shall make a concerted effort to prevent grout, mortar, and soil from staining any exposed masonry surfaces that will be left raw masonry or painted in the future. This includes protection of base of walls from splashed mud, etc., protecting sills, ledges and other projections from mortar droppings.
24. Furnish, maintain and remove all scaffolding required for this scope of work. All scaffolding shall be OSHA compliant at all times. Contractor shall have a certified scaffolding "Competent Person" on site at all times during scaffold use. Contractor shall obtain OSHA permits for scaffold operations. Bridge over all primary building entry points and utility connections. Contractor shall permit other Trade Contractors to use their scaffolding if other Trade Contractors need to incorporate their work into the masonry scope of work. If Contractor wishes to issue a release of liability form for other Contractor's to sign, Construction Manager will ensure

forms are signed prior to others using Mason's scaffolding.

25. Clean masonry and remove all efflorescence at the conclusion of all work when directed by Construction Manager.
26. All associated accessories, clips, reinforcing and anchors are a part of this work.
27. Include backer rod and sealant (color to be approved by architect) at control joints.
28. Masonry walls will be installed via high lift or low lift method at Construction Manager's discretion
29. Coordinate all masonry openings, details, layout and embedded items with related Prime Contractors.
30. Prime Contractor shall submit a staging plan to the Construction Manager for approval prior to commencing the Masonry scope.
31. Prime Contractor includes installation of mortar fill at locations where the CMU units change size. Create a smooth step transition to facilitate waterproofing application.
32. Properly break shell for flow of grout at masonry wall intersections

VII. CHAIN LINK FENCES & GATES INCLUSIONS: The following items are specifically included in the Masonry scope of this Contract:

1. Furnish and install all chain link fences & gates as required by Contract Documents for complete installation. This includes all footings, reinforcement, and other miscellaneous accessories as necessary.
2. Prime Contractor is responsible for drilling holes or hand excavation for posts to diameters and spacings indicated in the specifications and drawings. Scope includes furnish, placement of concrete for fence post footings. Includes final grading and touch up at fence posts.
3. Prime Contractor shall field measure all openings and coordinate gate locations prior to fabrication.
4. Furnish and install mesh, slats, metal kick plates, tube steel headers, masonry sleeves, hollow metal mounting plates for all hardware and as shown on the plans, etc. as indicated in the Contract Documents.
5. Furnish, install and adjust all gate hardware per specifications. Scope includes hinges, padlock hardware, etc.
6. Prime Contractor to observe all accessibility general details for code compliant installations as shown in the Contract Documents. Re-work caused due to non-code compliant installations will be the Subcontractor's responsibility. Submit an

RFI prior to completing the work in the event the design intent / layout will not comply with the ADA code requirements.

VIII. LANDSCAPE AND IRRIGATION: The following items are specifically included in the Landscape and Irrigation scope of this Contract:

1. Landscape Irrigation System
2. Landscape & Tree Plantings
3. Existing Plants & Planting Area Removal/Demolition
4. Existing Irrigation Safe-Off, Cut/Cap
5. Existing Irrigation Box, Vault, Valve Removal/Relocation
6. Existing Irrigation Boxes, Controller, Lines, etc. Protection
7. Pothole For Existing & New Irrigation and Landscape Items
8. Provide & Maintain Temporary Irrigation System
9. Tree & Plant Protection in Place with Scheduled Maintenance
10. Installation and Maintenance of Tree Protection Fencing at Trees to Remain
11. Protect Existing Utilities, Hardscape & Landscape Items to Remain
12. Excavation, Trenching and backfilling for irrigation systems
13. Fine grading (as needed)
14. Soil Amendment & Fertilizer
15. Rototilling, per spec
16. Weed Barrier Fabric
17. Gravel, Rubble & Bark Mulch
18. Seeding, Hydroseeding, & Pesticides
19. Root Barriers
20. Edging
21. Scheduled Maintenance During and Post Construction
22. Pruning, Weeding, Debris & Rock Removal
23. Tree Guying, Tree Stabilization, & Plant Tablets
24. Tree Watering and Observation Devices
25. Prime Contractor includes testing existing irrigation system with GUHSD prior to start of demolition activities, and at the end of the project. Prime Contractor includes capping any irrigation lines abandoned in-place as a result of demolition/grading for new flatwork.
26. Prime Contractor includes forty (40) additional journeyman labor hours for miscellaneous landscape & irrigation work. The Construction Manager/District may authorize the use of these hours only.
27. Prime Contractor shall monitor the existing Eucalyptus tree in the quad (reference Attachment J – Logistics Plan) and notify the District of any health issues. GUHSD has contracted with an arborist for monitoring the Eucalyptus tree throughout the project, to provide a deep root fertilizer and to provide a grow regulator tree treatment. Prime Contractor shall coordinate it's landscaping & irrigation scope with the project Arborist accordingly.
28. Prime Contractor includes removal of 15,000 square feet (SF) of existing grass, preparing 15,000 SF of soil and installing 15,000 SF of sod. Prime Contractor is responsible for repairing any sprinkler heads damaged during the course of existing grass removal or fine grading.

IX. ALLOWANCES: The following allowances are included in this scope of work. The Construction Manager must agree to the price, type and extent of additional scope before work is started. Field tickets must be signed by Construction Manager's Superintendent on a daily basis to account for the time, material, and equipment used from these allowances. All time, material, and equipment used from these allowances will be billed against these allowances and any portion of the original allowance amount not used will be credited back to the Owner at the end of this Contract's scope of work as a deductive change order. This Article is separate and exclusive from all other Work required by the Contract.

a) CN-2983 Allowance #1: Unforeseen Condition = \$20,000.00

X. ALTERNATES: N/A

XI. EXCLUSIONS: N/A

GROSSMONT UNION HIGH SCHOOL DISTRICT

GROSSMONT HS KITCHEN AND WEIGHT ROOM MULTI-PRIME

**ATTACHMENT H
BID PACKAGE**

CN-2984

**ROUGH CARPENTRY/
STRUCTURAL STEEL /
MISC. METALS**

**TRADE CONTRACTOR SPECIFIC PROVISIONS
BID PACKAGE—CN-2984
ROUGH CARPENTRY / STRUCTURAL STEEL / MISC.
METALS**

ROUGH CARPENTRY / STRUCTURAL STEEL / MISC. METALS

The following clarifies certain inclusions, exclusions, and other information. This list is not inclusive of all work and is not limiting in any manner. This Exhibit shall supplement all General and Special Conditions in this Contract unless specifically noted herein to supersede them. This exhibit shall supersede all other conditions in the Contract and Contract Documents in the event of specific conflicts between the Documents.

I. **GENERAL REQUIREMENTS:** The following General Requirements apply to all work included in this Contract:

1. Full compliance and scope coverage with Specification Section(s):

- DIVISION 00
- DIVISION 01
- 05 12 00 – Structural Steel Framing
- 05 50 00 – Metal Fabrications
- 05 52 13 – Pipe and Tube Railings
- 06 05 73 – Wood Treatment
- 06 10 00 – Rough Carpentry
- 06 17 33 – Wood I-Joists
- 06 18 00 – Glue-Laminated Construction

Full compliance and scope coverage with all other Project Scope and Specification Sections that interface with and require services related to this scope of work.

2. Prime Contractor and its subcontractors and/or lower tier contractors shall be a licensed contractor pursuant to the California Contractors License Law required for the performance of work in the appropriate classification(s) of contractor's license(s) for the work bid upon, and must maintain the license(s) throughout the duration of the Contract. License required for this work shall be B, or (C5 and C51).

3. Schedule of shop drawings, submittals, and dimension verifications: The following groups of shop drawings and submittals are not all-inclusive and are supplemental to requirements found elsewhere in the Documents. These submittals shall be delivered to the Construction Manager no later than the below listed dates:

a. #051200 – Structural Steel Framing (Including embeds)

Due: 10 Calendar Days after NTP is issued

b. #060573 – Wood Treatment

Due: 15 Calendar Days after NTP is issued

c. #061000 – Rough Carpentry

Due: 15 Calendar Days after NTP is issued

d. #061733 – Wood I-Joists

Due: 15 Calendar Days after NTP is issued

e. #061800 – Glue-Laminated Construction

Due: 10 Calendar Days after NTP is issued

f. Metal Decking

Due: 10 Calendar Days after NTP is issued

g. #ALL Other Contractual Submittals

Due: 30 Calendar Days after NTP is issued

These due dates take precedence over other dates found elsewhere in the Contract Documents.

4. Prepare any coordination drawings required to show the interface between work provided by this Contract and others.
5. Procurement of Critical Long Lead Items: Prime Contractor shall be responsible to ensure that the following critical long lead items are delivered to the project site by the noted delivery date.
6. Prime Contractor has reviewed the Project and is aware of existing conditions.
7. Schedule: Prime Contractor shall issue to the Construction Manager a detailed Construction Schedule for this trade's work as it pertains to this Project. The work shall proceed in accordance with the Master Construction Schedule issued with the Construction Documents. This schedule shall be modified from time to time in order to properly coordinate and sequence the work; however, the Prime Contractor is responsible to supply sufficient manpower, equipment and material necessary to ensure the duration of time established for the Prime Contractor's work is maintained as per the Construction.
8. Prime Contractor has included provisions to store fabricated material off-site until required erection date.
9. Provide flagmen as required. It is understood that the work will take place within an operating Campus and that the Prime Contractor is solely responsible to protect the public and maintain uninterrupted access to the campus by the general public. Provide all barricades, etc. to achieve this. Perform during off-hours as required to avoid disruption of campus operations.
10. Comply with all City, County and State requirements, prepare haul route and obtain permits as required.

11. Prime Contractor will be responsible for collateral damage to areas or finishes not scheduled for demolition as a result of his operations.
12. CalOSHA compliant safety eye protection is required at all times for all personnel, workers, and visitors on the construction site in accordance with District Standards.
13. Include all work as referenced by notations: "by Steel Contractor", "by Rough Carpentry Contractor", "Misc. Metals Contractor," or similar notations that may be noted throughout the entire set.
14. It is understood that all scope inclusions contained in this bid package shall be provided by the Prime Contractor regardless of similar or identical inclusions found in other bid packages or trade Contracts.
15. It is understood that the Trade Contractor Specific Provisions contained in the Contract Documents are a material element of this Contract and scope of work. It is specifically noted that the Prime Contractor shall be responsible for all requirements and clauses contained in these Trade Contractor Specific Provisions.
16. It is understood that all the crane, trucks, erection equipment, grading equipment and any other heavy equipment must be staged within the project site boundaries.
17. Provide, erect and dismantle all ladders and scaffolding required to perform work. Provide all required rigging and hoisting necessary to perform this scope of work. All lifts and material handling required to perform this scope of work shall be provided by this Prime Contractor.
18. Prime Contractor shall maintain and record as-built information of their work in a current condition. Prime Contractor shall transfer all as-built information onto the record set of drawings located at the Construction Manager's Field Office. All transferred information shall be neat, legible and in accordance with the guidelines set forth in the contract documents. Failure to provide as-built information in a timely manner will result in progress payments being withheld.
19. This Prime Contractor acknowledges and includes the cost for all required off-hour, overtime and weekend work schedules as required to perform the work included in this contract and coordinate this contract work with all other related trades. This Prime contractor shall provide manpower and shift schedules (in advance of the actual work being performed) to the Construction Manager so that it can be analyzed against the Project's schedule requirements.
20. Daily clean-up of all debris related to the Work of this Bid Package Contractor is required. All debris generated by this Bid Package Contractor shall be legally removed daily and disposed of offsite by this Bid Package. All Bid Package Contractors, while on site, will provide a clean-up laborer to be included in the weekly clean-up effort for the duration of the project. For bidding purposes, Prime Contractor shall provide a 2 hours of clean-up labor for 45 total weeks.

21. All Prime Contractors are responsible for covering of roof openings for a weather tight system prior to rain and rain clean-up. This Prime Contractor to consider the allotted rain days in the project schedule for budgeting purposes.
22. Prime Contractor shall coordinate with all subtrades/Primes as it relates to this scope of work. Verify dimensional requirements, locations, paths of travel, structural connections and any other scope as it relates to site conditions and other Prime Contractor's work. This coordination process shall occur prior to or concurrent with detailing to avoid conflicts and field coordination.
23. Prime Contractor shall supply all hoisting equipment, operators and support personnel necessary to safely erect and/or install all of the material or equipment included in this agreement.
24. Prime Contractor to give 48-hour written notice to both Construction Manager and Inspector of Record prior to the initial start and all subsequent phases of shop fabrication.
25. Prime Contractor will have all required local and state licenses and certifications as to allow shop fabrication without deputy inspection. Prime Contractor's field welders will have all required licenses /certifications as required by the Contract Documents and Local Authorities. Where local/state welding requirements are more stringent than the specified welding requirements; the most stringent shall govern.
26. Prime Contractor is required to properly staff the Project to maintain the Project's schedule and to ensure proper sequencing with other Prime Contractors as required by the Construction Manager.
27. Prime Contractor is responsible to provide all layout for its work from survey control points and lines, including all building corners, grid lines, offsets, elevations, etc.
28. Provide all necessary protection for new work and adjacent finishes from Prime Contract work operations. Include steel plates, plywood, plastic and masking protection as required. Prime Contractor is responsible to maintain/repair/replace any temporary barricades that are moved or damaged by its work. Prime Contractor is responsible to protect all existing structures/MEPs/benchmarks/miscellaneous items as required by the Contract Documents during this Prime Contractor's work.
29. Prime Contractor acknowledges that space for storing materials within the worksite is limited. All delivery and storage of materials shall be scheduled and coordinated with the Construction Manager prior to shipping. Prime Contractor is responsible to assure that stocking of building materials does not overload the building structure or unreasonably impede the work of other trades. Prime Contractor shall promptly relocate stored and stockpiled materials when directed by Prime Contractor.

30. Prime Contractor is responsible to promptly remove from the project all surplus material and debris associated with its work.
31. Prime Contractor is responsible for scheduling and coordinating all deliveries required for this scope of work with the Construction Manager and other Prime Contractors. Prime Contractor to provide adequate flagmen, street closures, sidewalk closures, permits, traffic control, etc. for deliveries, transporting on site, pick-ups as required by the project schedule, specifications, job conditions and governing agencies within the jobsite limits.
32. Prime Contractor shall adhere to OSHA safety standards while on the project site and shall engage their designated safety professional to make periodic jobsite walks for safety compliance. Any noted issues or concerns shall be reported to Construction Manager's Superintendent at the time of visit. Prime Contractor is responsible to maintain/repair/replace any temporary barricades.
33. The general site wide storm water pollution prevention plan (SWPPP) will be prepared and implemented by others. Subcontractor shall assume full responsibility to replace any broken sandbags or any other SWPPP type materials damaged by this Subcontractor during the course of this Subcontractor's work.
34. Prime Contractor acknowledges that parking space within the project boundaries is extremely limited. The only trucks in immediate use (Loading/Offloading, welding rigs, rigging, etc.) will be allowed to stage near work areas. Worker parking will be designated by the Construction Manager. Penalties for failure to comply with this requirement are the responsibility of the individual vehicle owner.
35. In the event of conflicts not clarified prior to bidding deadline, Prime Contractor shall assume the most stringent, higher quality and greater quantity of work for bidding purposes. If Prime Contractor still requires clarification after awarded the project, Prime Contractor shall generate an RFI. If appropriate, a deductive change order shall be issued if the clarification results in a reduced scope.
36. Prime Contractor shall furnish and install all mock-ups required by specifications found within this Prime Contractor's scope.
37. Prime Contractor shall include provisions to comply with all delegated-design submittal requirements found within their respective specification sections.
38. Prime Contractor understands that parking will not be permitted within the limits of work, staff parking, student parking or public parking spaces on campus, unless specifically allowed in the Contract Documents or agreed upon by the District. Prime Contractor acknowledges that food trucks are prohibited from entry to the construction limits of work and Grossmont High School campus. This General Requirement supersedes parking provisions outlined elsewhere in the Contract Documents.

39. Prime Contractor has reviewed all documents, including Food Service plans.
40. Finish Prime Contractor includes all in-wall flat-strap backing and rough carpentry Prime Contractor includes all in-wall and above ceiling structural wood-framed backing. Prime Contractor shall coordinate accordingly and layout backing where required for this Prime Contractor's scope.
41. Prime Contractor includes two hundred and fifty (250) additional journeyman labor hours for use by the Construction Manager. The Construction Manager/District may authorize the use of these hours only.

II. INCLUSIONS FOR ROUGH CARPENTRY AND EXTERIOR SHEATHING: The following items are specifically included in the Rough Carpentry and Exterior Sheathing scope of this Contract:

1. Include all work which is consistent with the defined scope of work in this Contract and that may be required by the entire set of drawings and specifications.
2. Furnish and install all interior and exterior wood framing, components & accessories including, but not limited to, glued-laminated beams, prefabricated wood shapes, engineered wood products, shear wall panels, blocking, cants, nailers, furring, grounds, framing hardware, wood studs, structural composite lumber, glued-laminated beams, wood I-joists, web stiffeners, rafters, double joists, trusses, purlins, ledgers, cross bridging, struts, headers, sills, plywood infills, blocking, furring, stripping, double top plates, sill plates, shear plates, knee braces, trimmers, cripples, straps, strong-ties, hinge connectors, hangers, wood post bases, lag bolts, lag screws, end post bolting, nails at new building structure as required for a complete installation. Observe and include provisions to execute the general and structural notes for requirements regarding prefabricated wood lumber, glued laminated timbers and anchorage. Refer to structural drawing notes for required special inspections. Prime Contractor to notify Construction Manager 48 hours in advance on inspection requests.
3. Prime Contractor is aware of the high level of quality control that this project demands. Prime Contractor shall replace and/or "power plane" all wood members throughout the project that exceed acceptable and specified tolerances. This includes all rough framing, moldings, sheathing, etc.
4. Prime Contractor is responsible for furnishing and install of all framed-wall types indicated in the Contract Documents, in order to provide a complete scope of work. In the event that a wall is shown, but not identified with a wall type or stud size, Prime Contractor shall assume the most stringent wall type. Reference General Requirements of this scope for further explanation.
5. Furnish and install all exterior rated/treated wood sheathing as required by the Contract Documents. Furnish and install all roof and parapet sheathing.
6. Furnish and install all wood furring, blocking, in-wall backing, in-ceiling backing, and frame outs for all building components mounted to walls. This specifically

includes but is not limited to equipment, roof ladder, fixtures, signage, wall grab bars, mirror units, air-dryers, diaper-changing stations, metal toilet compartments, wall-mounted dispensers in restrooms, wall-mounted lavatories, utility shelving, lockers, casework, mop & broom holders, tack boards, AV equipment, wall-mount devices, etc., as shown on the drawings, details, and as specified. Take specific care to include the wood blocking and backing required by the details in the mechanical, electrical and plumbing drawings. Prime Contractor has accounted for direct coordination with Construction Manager and other Prime Contractors and other vendors to accomplish accurate layouts for backing. Provide fire-rated wood blocking where required by the Contract Documents.

7. Some blocking may appear unquantifiable at this time. For bidding purposes, assume the blocking supports for pipe runs, duct runs, mechanical support frames, roof mounted equipment and suspended equipment will occur every 4' for each system run. Blocking and backing for equipment is quantifiable based on the information provided in the equipment schedule and details. No change orders will be issued for blocking or backing for any scope of work included within the contract documents for the project.
8. Provide 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, ceiling diffusers, plumbing/electrical/HVAC items, i.e., ductwork, equipment and piping. Coordinate directly with the respective trades and reference the MEP drawings for coordination purposes and details. Modify soffit framing dimensions as required to accommodate the designed duct sizes. Scope includes double joists at roof openings for mechanical equipment/duct, etc.
9. Prime Contractor shall furnish and install a 10' x 10' mock-up of a framed exterior wall exhibiting a typical framed condition (including window framing and sheathing) in addition to the specified mock-ups shown in specifications associated with this Prime Contractor's scope.
10. Prime Contractor is responsible for approved moisture content of materials to be installed in accordance with the project schedule. Prime Contractor is not permitted to stage wood products directly on soil.
11. Prime Contractor includes additional framing at any new MEP penetrations in existing or new walls and shall follow the applicable framed opening details in the structural drawings.
12. All work pertaining to wood framing at existing buildings and new construction as shown on in the Contract Documents. Prime Contractor includes all blocking shown in the Drawings in addition to what is shown in the structural drawings. This includes but is not limited to joists, beams, columns, plywood, seismic bracing and supports as required.
13. All plywood sheathing over framing as shown in drawings. Provide all wood nailers, wood backing, wood sheathing as shown on the Contract Documents. Wood

backing supports for but not limited to doors, toilets accessories, projection screens, visual display boards, and areas for other miscellaneous items not specifically indicated but necessary. Flat strap backing by Finish Package.

14. Mechanical Platforms: Prime Contractor includes all support framing for roof top mechanical equipment, including but not limited to AC units, condensing units and exhaust fans regardless of what is shown on architectural, structural and mechanical plans. Prime Contractor includes the most stringent support framing requirements shown on 2, 3,4/AD-3.0, 17, 18, 19/S0-1.5, 15 &16/S0-1.7. Prime Contractor includes all plywood required at roof top equipment platforms. If height of platform is not specifically indicated in the plans, Prime Contractor shall include a platform height that is a minimum of eight (8) inches high from the level platform surface to the finish surface of the roofing system (not roof sheathing). Prime Contractor includes all necessary coordination between HVAC Prime Contractor and Finishes (Roofing) Prime Contractor in order to provide a complete and warrantable system. Finish Prime Contractor shall provide vertical shimming/backing at pre-fabricated isolation curbs in order to provide themselves with an unobstructed 8" minimum vertical surface at roofing upturn locations.
15. Verify and coordinate dimensions for alcoves, walls and opening dimensions for equipment furnished by others. Particular attention to code mandated exiting clearance and handicap clearance dimensions is required. All work shall fully comply with current handicap codes (even if contrary to the Contract Documents and submittal approvals). This Prime Contractor shall request specific written direction from the Construction Manager before proceeding with any work that is non-compliant.
16. It is expressly understood that the framing details are diagrammatic in nature and that this Prime Contractor will be responsible for a complete installation. The details shown should be regarded as minimum parameters to perform the work.
17. Furnish all anchor bolts for framing that are embedded in new concrete / masonry, or screw anchors where applicable. Provide quantity survey and layout as required. Verify all layouts prior to concrete placement by concrete prime contractor. Provide layout drawings as needed.
18. Include all framing accessories as applicable to this Contract's scope of work, i.e., straps, bent plates, clips, "stickers", shims, angles fasteners, as shown on plans and required to attach/support framing to building structure. Framing accessories shall be installed as required to provide "true and straight" work especially where this Contract work is attached to other building components, Particular attention shall be paid to openings for windows, doors, and close tolerance conditions, etc.
19. All fire/smoke rated construction shall maintain continuous required ratings at all areas as required by the Contract Documents.
20. Prime Contractor includes one hundred (100) additional journeyman framing hours. The Construction Manager/District may authorize the use of these hours only.

21. Where furring or framing systems are scheduled to be attached to an existing surface which is rough, uneven, not true or level, provide reconditioning of existing surfaces, shimming, building out and adjustments to the framing system as required to compensate for the substandard substrate.
22. All Prime Contractors are responsible for covering of roof openings for a weather tight system prior to rain and rain clean-up. Prime Contractor to consider the allotted rain days in the project schedule for budgeting purposes.
23. Prime Contractor has included multiple mobilizations to achieve the requirements of the contract. For bidding purposes, include six (6) mobilizations. A mobilization is defined as removal and return of equipment and materials. A crew leaving the site is not a demobilization.
24. Prime Contractor includes all structural framing, curbs and/or blocking required for exhaust fans, air-conditioning units, condensing units and any other new rooftop equipment requiring structural framing and/or blocking.
25. Prime Contractor includes all headers, bracing and associated rough framing associated with window head conditions regardless of the detail explicitly being called out at each condition.
26. Prime Contractor includes all necessary wall bracing, unless noted otherwise and regardless of the detail explicitly being called out at each location.
27. Prime Contractor includes stripped blocking to complete A1 head-wall condition at existing metal fascia in order to provide positive attachment for plaster 'J' Mold screed, Prime Contractor includes this typical condition regardless of the detail explicitly being called out at each location.
28. Prime Contractor includes provisions to provide backing for signage, when signage location is at a wood framed wall, regardless of the detail explicitly being called out at each condition.

III. INCLUSIONS FOR STRUCTURAL STEEL, METAL DECKING & MISCELLANEOUS

METALS: The following items are specifically included in the Structural Steel, Metal Decking & Miscellaneous Metals scope of this Contract:

1. Furnish and Install all Structural steel, metal decking and Misc. Steel for the project.
2. Prepare surfaces and set all anchors in existing concrete structures. This includes all surface preparation, drilling, expansion anchors, epoxy anchors, and other means for scope included in this contract.
3. Prepare surfaces and install all connections where new steel connects to existing steel. This includes removal of existing paints/coatings, adjusting, coping and reconfiguring existing steel. Installing shear plates and other attachments, etc.

4. Furnish and install all structural steel columns, posts, beams, headers as shown on Foundation and Framing Plans and other such locations.
5. Furnish templates and anchor bolts for structural steel.
6. Furnish embeds and ledger angles. Provide layout of embeds to CMU/Concrete Prime Contractor, as it relates to CMU. CMU/Concrete Prime Contractor to set/install embeds. This Prime Contractor shall coordinate and be present during install to ensure embeds are set properly.
7. Include resources to level, cut, adjust and weld on the countertop support brackets as needed by site conditions. This will permit the initial brackets to be built long and cut to length based on final field conditions.
8. Furnish and install structural supports required for projection screens.
9. Furnish and install structural supports required for coiling counter doors, sectional overhead doors and similar. Structural supports include but are not limited to steel headers, vertical HSS jamb posts/columns, 'L' angle iron, plates and all associated anchorage and welding of said structural supports. Break metal at the coiling doors is by others.
10. Furnish and install metal decking for all shade structures, per Details 2,3,4,5 on sheet AS-1.3, per structural sheets and specifications.
11. Furnish and install all other miscellaneous metals items including but not limited to: plates, clips, steel pipe, bent plates, channels, angle iron, railings, exterior steel site handrail/guardrails, partition supports, ladders, ladder tie downs, steel assemblies, metal angles, countertop steel, steel at storefront jambs, brackets, supports, angles, etc. Include all required bolts, fasteners, inserts, sleeves etc.
12. Furnish and install handrails and guardrails at concrete stairs and ramps, per Details 8,18,19,20,23,25,28,29 and 30 on sheet ASD-3.0 and other such locations.
13. Furnish and install metal service gate and associated hardware as shown in 4/AS-1.3 and 10/ASD-1.0. Embedded steel to be provided by this Prime Contractor and installed by others.
14. Furnish and install aluminum checker-plate in Weight Room 907 as shown on 1/A1-7.2 and other such locations.
15. Cost of preparation and printing of all shop drawings for base Contract work items, including all revisions to shop drawings during the approval process and up until payment of retention.
16. Coordinate this scope of work with all other related trades such as, MEP trades, special equipment, interior finishes, etc. Coordinate/Verify slope of steel and top of steel elevations with roof slope/drainage plan. Notify construction manager of any inconsistencies prior to fabrication. This coordination process shall occur prior to

or concurrent with detailing to avoid conflicts and field coordination problems.

17. Prime Contractor shall notify Construction Manager in writing of all inconsistencies in the project drawings/specifications and subsequent shop drawings prior to fabrication.
18. Prime Contractor is responsible for obtaining answers to unanswered questions on returned shop drawings from the Architect/Engineer through the Construction Manager. Prime Contractor will directly coordinate with other trades to ensure proper sizing and dimensioning of openings, etc. are detailed.
19. Give proper written notice to both Construction Manager and Testing Laboratory prior to the initial start and all subsequent phases of shop fabrication.
20. Prime Contractor will have all required local and state licenses. Prime Contractor's field welders will have all required licenses /certifications as required by the Contract Documents and Local Authorities.
21. Coordinate all shop fabrication / field inspection (for costs relating to inspection see General Conditions). Become completely familiar with testing requirements and coordination of mill certificates, labeling, tagging, and stamping of steel during the fabrication process, shipment to jobsite and erection. No unidentified steel shall be used. All steel will have mill certifications and be properly identified (source, heat or melt number, etc.). If required, the Inspection Firm will take steel samples and will perform destructive tests. Accordingly, purchase steel in such quantity, length, size, etc. to allow steel samples to be taken from the actual elements to be used in construction. Coordinate this and provide the samples required by the Testing Laboratory. Provide adequate access for Inspectors to all elements of work. Means of access include ladders, lifts, scaffolds, etc. Costs for re-inspection of any work as a result of previous failed inspection will be the responsibility of this Prime Contractor.
22. Verify and accept elevations and placement of anchor bolts and embedded items prior to each erection sequence of work. Construction Manager shall be notified immediately of any problems so that such problems can be corrected before the steel is onsite ready for installation. This verification does not qualify as a mobilization.
23. Prime paint steel as required by Contract Documents. Include touch up as required by job conditions.
24. Galvanize steel as required by Contract Documents. Include touch up as required by job conditions. Unless specifically noted otherwise, Prime Contractor shall galvanize all exposed metal that has been installed by this Prime Contractor.
25. Protect all floor and roof openings during erection per OSHA and local requirements. Prime Contractor shall immediately replace all opening protection removed for installation of work.

26. Supply all electrical power for welding.
27. All work including railings shall dimensionally comply with all applicable building codes including ADA. Proper vertical and horizontal distance and clearance in stairs shall be detailed and verified before fabrication and erection. Maintain proper clearances between stair framing and wall construction so that fire ratings can be maintained, (i.e., multiple layers of drywall, fireproofing material, etc. if applicable to this Project).
28. Fabricate and assemble misc./structural steel which attaches to concrete work, i.e., beam pockets/pilasters so that adequate adjustment and alignment of embedded items (i.e., anchor bolts) is allowed for. Field measure all conditions where possible before fabrication. Enlarge holes in steel and/or add necessary weld plate washers where required by conditions of miss-aligned embedded items and/or the Contract Documents.
29. All structural steel edge and closure angles shall be installed true, level and within concrete form work/finish tolerances in areas where concrete is poured against edge and closure angles. Where a steel deck closure is not specifically shown. Steel Contractor will provide a deck closure consistent with the details found on the Contract Documents. Where the deck is flush with supporting steel the closure shall be gauge metal unless otherwise noted. Where the deck cantilevers the supporting steel; the closure shall be bent plate.

Special attention shall be made to coordinating height of closure angles with height of concrete, particularly in sloped areas.
30. The minimum height of all steel closure angles that retain concrete shall be the total thickness of concrete at each location. If applicable, this clause corrects the condition where the drawings indicate a closure angle that is less than the concrete thickness. Reduce the height of angles for conditions of depressions /block outs i.e., areas of expansion joints.
31. Obtain all permits for cranes and equipment as required by Local Authorities.
32. Include all metal 1/8" or heavier, including 10 gauge, unless specifically modified by this Exhibit/Scope of Work.
33. Prime Contractor has reviewed the site conditions and includes all items as may be needed to complete the work in and around existing jobsite obstructions. Cranes will not be allowed beyond the site perimeter.
34. Where local/state welding requirements are more stringent than the specified welding requirements; the most stringent shall govern.
35. Immediately after all steel work is complete, clean all exposed steel to be painted from oils, scale, piece marks and other elements detrimental to applying finish paint.

36. After completion of all steel work, provide as-built information including connection details, beam and column size changes, and elevation information. Construction Manager shall approve format of as-built information.
37. Prime Contractor includes all angle iron required to support metal decking.
38. Prime Contractor includes eighty (80) additional journeyman labor hours for miscellaneous steel work. The Construction Manager/District may authorize the use of these hours only.

IV. ALLOWANCES: The following allowances are included in this scope of work. The Construction Manager must agree to the price, type and extent of additional scope before work is started. Field tickets must be signed by Construction Manager's Superintendent on a daily basis to account for the time, material, and equipment used from these allowances. All time, material, and equipment used from these allowances will be billed against these allowances and any portion of the original allowance amount not used will be credited back to the Owner at the end of this Contract's scope of work as a deductive change order. This Article is separate and exclusive from all other Work required by the Contract.

- CN-2984 Allowance #1: Unforeseen Conditions = \$10,000.00

VII. ALTERNATES: N/A

VIII. EXCLUSIONS:

- Flat-strap metal backing – Finish Prime Contractor

GROSSMONT UNION HIGH SCHOOL DISTRICT

GROSSMONT HS KITCHEN AND WEIGHT ROOM MULTI-PRIME

ATTACHMENT H BID PACKAGE

CN-2985

**FINISHES, ROOFING, SHEET
METAL, GLAZING, DOORS/
FRAMES/ HARDWARE,
DRYWALL, INSULATION,
PLASTER, FLOORING, PAINT,
CEILINGS, FINAL CLEAN**

**TRADE CONTRACTOR SPECIFIC PROVISIONS
BID PACKAGE: CN-2985**

**FINISHES, ROOFING, SHEET METAL, GLAZING,
DOORS/FRAMES/HARDWARE, DRYWALL, INSULATION,
PLASTER, FLOORING, PAINT, CEILINGS, FINAL CLEAN**

FINISHES / ROOFING / SHEET METAL / GLAZING / DOORS / FRAMES / HARDWARE / FRAMING / DRYWALL / INSULATION / CEILINGS / PLASTER / FLOORING / PAINT / CEILINGS / FINAL CLEAN

The following clarifies certain inclusions, exclusions, and other information. This list is not inclusive of all work and is not limiting in any manner. This Exhibit shall supplement all General and Special Conditions in this Contract unless specifically noted herein to supersede them. This exhibit shall supersede all other conditions in the Contract and Contract Documents in the event of specific conflicts between the Documents.

I. **GENERAL REQUIREMENTS:** The following General Requirements apply to all work included in this Contract:

1. Full compliance and scope coverage with Specification Section(s):

- DIVISION 00
- DIVISION 01
- 06 20 00 – Finish Carpentry
- 06 41 00 – Architectural Wood Casework
- 07 21 00 – Thermal Insulation
- 07 25 00 – Weather Barriers
- 07 42 13.23 – Metal Composite Material Wall Panels
- 07 54 00 – Thermoplastic Membrane Roofing
- 07 62 00 – Sheet Metal Flashing & Trim
- 07 92 00 – Joint Sealants
- 08 06 71 – Door Hardware Schedule
- 08 11 13 – Hollow Metal Doors and Frames
- 08 14 16 – Flush Wood Doors
- 08 31 00 – Access Doors and Panels
- 08 33 13 – Coiling Counter Doors
- 08 33 23 – Overhead Coiling Doors
- 08 36 13 – Sectional Doors
- 08 43 13 – Aluminum Framed Storefronts
- 08 56 59 – Service and Teller Window Units
- 08 71 00 – Door Hardware
- 08 80 00 – Glazing
- 09 05 61 – Common Work Results for Flooring Preparation
- 09 21 16 – Gypsum Board Assemblies
- 09 22 36 – Lath
- 09 24 00 – Cement Plastering
- 09 30 00 – Tiling

- 09 51 00 – Acoustical Ceilings
- 09 65 66 – Resilient Flooring
- 09 65 66 – Resilient Athletic Flooring
- 09 91 13 – Exterior Painting
- 09 91 23 – Interior Painting
- 09 96 00 – High-Performance Coatings
- 09 96 23 – Graffiti-Resistant Coatings
- 12 36 00 – Countertops

Full compliance and scope coverage with all other Project Scope and Specification Sections that interface with and require services related to this scope of work.

2. Prime Contractor and its subcontractors and/or lower tier contractors shall be a licensed contractor pursuant to the California Contractors License Law required for the performance of work in the appropriate classification(s) of contractor's license(s) for the work bid upon, and must maintain the license(s) throughout the duration of the Contract. License required for this work shall be B.

3. Schedule of shop drawings, submittals, and dimension verifications: The following groups of shop drawings and submittals are not all-inclusive and are supplemental to requirements found elsewhere in the Documents. These submittals shall be delivered to the Construction Manager no later than the below listed dates:
 - a. #075400 – Thermoplastic Membrane Roofing

Due: 10 Calendar Days after Preliminary Notice of Award

 - b. #081113 – Hollow Metal Doors and Frames

Due: 10 Calendar Days after Notice to Proceed

 - c. #081416 – Flush Wood Doors

Due: 10 Calendar Days after Notice to Proceed

 - d. #084313 – Aluminum Framed Storefronts

Due: 10 Calendar Days after Notice to Proceed

 - e. #087100 – Door Hardware

Due: 10 Calendar Days after Notice to Proceed

 - f. ALL other Contractual Submittals

Due: 30 Calendar Days after Notice to Proceed

These due dates take precedence over other dates found elsewhere in the Contract Documents.

4. Prepare any coordination drawings required to show the interface between work provided by this Contract and others.
5. Procurement of Critical Long Lead Items: Contractor shall be responsible to ensure that critical long lead items are delivered to the project site in time to execute Prime Contractor's work per the Master Construction Schedule.
6. Contractor has included the costs for off-site storage of project materials.

Schedule: Prime Contractor shall issue to the Construction Manager a detailed Construction Schedule for this trade's work as it pertains to this Project. The work shall proceed in accordance with the Master Construction Schedule issued with the Construction Documents. This schedule shall be modified from time to time in order to properly coordinate and sequence the work; however, the Prime Contractor is responsible to supply sufficient manpower, equipment and material necessary to ensure the duration of time established for the Prime Contractor's work is maintained as per the Construction.

7. Contractor has reviewed the Project and is aware of existing conditions.
8. Contractor will be responsible for collateral damage to areas or finishes not scheduled for demolition as a result of his operations.
9. It is understood that all scope inclusions contained in this bid package shall be provided by the Contractor regardless of similar or identical inclusions found in other bid packages or trade Contracts.
10. It is understood that the Project Specific Provisions contained in the Contract Documents are a material element of this Contract and scope of work. It is specifically noted that the Contractor shall be responsible for all requirements and clauses contained in the Project Specific Provisions.
11. In the event of conflicts not clarified prior to bidding deadline, Prime Contractor shall assume the most stringent, higher quality and greater quantity of work for bidding purposes. If Prime Contractor still requires clarification after awarded project, Prime Contractor shall generate an RFI. If appropriate, a deductive change order shall be issued if the clarification results in a reduced scope of work.
12. Provide for all layout as required for work included in this Contract.
13. Include minor demolition (up to 1' back) where new work meets an existing surface.
14. All patching where existing walls need to be opened to install new work /blocking, etc.

15. Install weather barriers at all areas.
16. The rough carpentry contractor will provide all rough carpentry as required by the contract drawings and in accordance with all applicable codes and standards. It is anticipated, and hereby a requirement of this contract, that some minor shimming, leveling, blocking, etc. will be required in order to complete this Prime Contractor's scope of work. This Prime Contractor is responsible for all unidentified but necessary shimming, leveling, blocking, etc. in order to provide complete systems for the scope of this contract.
17. Prime Contractor shall include provisions to comply with all delegated-design submittal requirements found within their respective specification sections.
18. Prime Contractor understands that parking will not be permitted within the limits of work, staff parking, student parking or public parking spaces on campus, unless specifically allowed in the Contract Documents or agreed upon by the District. Prime Contractor acknowledges that food trucks are prohibited from entry to the construction limits of work and Valhalla High School campus. This General Requirement supersedes parking provisions outlined elsewhere in the Contract Documents.

II. GENERAL CONSTRUCTION INCLUSIONS: The following General Construction items are specifically included in the scope of this Contract:

1. Prime Contractor shall include eight hundred (800) journeyman hours miscellaneous work. The Construction Manager/District may authorize the use of these hours only.
2. Daily clean-up of all debris related to the Work of this Contractor is required. All debris generated by this Contractor shall be legally removed daily and disposed of offsite by this Contractor. All Contractors, while on site, will provide a clean-up laborer to be included in the weekly clean-up effort for the duration of the project. For bidding purposes, Prime Contractor shall provide 2 hours per week of clean-up labor for 64 total weeks.
3. Provide 10 ea. temporary fire extinguishers with stands. Locate as direct by Construction manager.
4. Provide 5 ea. temporary restrooms serviced 2x /week for the full duration of the project; from start date thru completion date.
5. Provide 5 ea. temporary handwash stations, serviced 2x/week for full duration of the project; from start date thru completion date.
6. Provide 50 ea. 40 CY Dumpsters including trash removal for use by all trades to

dispose of non-hazardous materials. These will be used over the full duration of the project, from start date thru completion date.

7. Prime Contractor shall furnish and install the 5' extended Foreign Object Debris (FOD) Screen at the existing pool deck, per Attachment J – Logistics Plan. 5' FOD screen shall be properly supported along the existing chain-link fence such that the screen prevents and debris from entering the pool deck area. Prime Contractor shall coordinate attachment methods with on-site superintendent and School. In addition, Prime Contractor shall provide full height .6mil (Minimum) poly sheeting over the existing pool fence on the bldg side of the fence for the full duration of the project. Prime Contractor includes replacing said poly sheeting one time throughout the project.
8. Prime Contractor shall furnish and install two (2) temporary Knox locks for the temporary vehicular entrance gates at the site. Prime Contractor shall coordinate directly with the local fire authority to ensure the temporary Knox locks are satisfactory.
9. Prime Contractor shall include forty (40) journeyman hours for moving site construction fencing to accommodate project activities. The Construction Manager/District may authorize the use of these hours only.

III. FINAL CLEANING INCLUSIONS: At conclusion of project, provide final cleaning with all required supervision, labor, material, supplies, equipment, taxes, and insurance to professionally complete this project as follows:

1. Clean all exterior and interior windows and frames.
2. Clean and sanitize all restrooms and janitor's closets.
3. Vacuum all carpet areas, clean topset base.
4. Sweep and machine scrub all vinyl and ceramic tile floors, and polished concrete floor. Install a minimum (3) coats of wax on all vinyl floors.
5. Clean all doors, frames, hardware, cabinets, counters, shelves, sinks, workstations, and drawers.
6. Clean light fixtures, air vents, grills, switches, water coolers, fire hose boxes, overhead piping/ductwork/ light troughs, etc.
7. Clean mechanical and electrical rooms, wipe down equipment, sweep floors, spot clean all walls.
8. Remove smudges and washable marks from floors, walls, and ceilings.

9. Clean all areas of the new modular elevator, elevator mechanical room and other such areas.
10. Each room and area shall be inspected and accepted by C.W. Driver at the beginning of each shift. Acceptance shall be granted upon C.W. Driver signing off each room on the plans.
11. Clean all casework, inside and out. Clean and shine all casework fixtures.
12. Power wash all exterior hardscape and building roof.
13. Provide final cleaning in two phases. One full cleaning will occur prior to punch list and one full cleaning will occur after punch list, prior to Owner occupancy.
14. Include fifty (50) journeyman hours and equipment for additional interior cleanup beyond the scope of this Contract. The Construction Manager/District may authorize the use of these hours only.
15. Prime Contractor includes Power washing the existing exterior walls for preparation of this Prime Contractor's scope and once fully at the end of the project.

IV. FIRESTOPPING/CAULKING/SEALANT INCLUSIONS: The following items are specifically included in the firestopping scope of this Contract:

1. Furnish and install fire-safing, firestopping, and smoke stopping materials at floor and roof deck edges, between stud walls, on top of stud walls and partitions, and storefronts/window walls as required to maintain ratings. Materials shall be furnished and installed per applicable code and Specification requirements. Include fire-safing / fire stopping as required to seal all deck edges and deck penetrations as required weather specifically shown or not on the Contract Documents.
2. Furnish and install all caulking and sealant at all areas requiring painting. Reference painting scope section of this Scope of Work.
2. Properly coordinate the sequence of work with the Construction Manager and all other related trades. Include move-ins as required by the Master Project Schedule.

V. WATERPROOFING INCLUSIONS: The following items are specifically included in the Waterproofing scope of this contract:

1. Furnish and install all waterproofing per the Contract Documents. Furnish and install all waterproofing products exactly as specified and in full compliance with the manufacturer's instructions.

2. Furnish and install protection board at areas in contact with dirt backfill. Protection board shall be adhered to the waterproofing membrane in a manner approved by the manufacturer so that backfill operations can proceed uninterrupted. If protection board cannot be fastened, Contractor shall provide labor to place the protection board during all backfill operations. Contractor and inspector shall walk the installed waterproofing system after installation and document its condition prior to backfill operations.
3. All waterproofing shall be installed with neat, clean even lines at grade level and at exposed conditions. The final termination point above grade shall be determined by the Construction Manager prior to start of work. The Contractor shall provide proper elevation/termination points at areas of waterproofing as required by the Construction Manager. This Contractor shall snap lines between the termination points of the waterproofing. All layout shall be reviewed with the Construction Manager and Concrete Contractor prior to application. This Contractor shall remove all excess or incorrectly located waterproofing materials.
4. Clean all surfaces to receive waterproofing to insure proper application. Include removal of fins and projections from substrate. Include fill of spalls and cracks. Provide cove stick if required by manufacturer. Extend waterproofing over footings.

VI. FINISH CARPENTRY INCLUSIONS: The following items are specifically included in the Finish Carpentry scope of this Contract:

1. Furnish and install all finish carpentry, plastic laminate work, solid surface work, cabinets, glass doors at cabinets, custom fabricated casework, shelves, countertops, Plastic Paneling, cubbies, storage units, tiered shelves and closet rods, etc. as required by the Contract Documents. All millwork shall be manufactured in accordance with WIC standards. All millwork shall bear WIC compliance label.
2. Furnish and install proper anchorage of all work as required by the Contract Documents. Concealed backing for this scope of work shall be located and verified by this Contractor and installed by others. All other anchorage devices for this scope of work shall be by this Contractor.
3. Hoisting of all materials is included. Contractor shall deliver and stock materials per sequencing of rooms or areas as directed by Contractor. Material shall be fabricated to allow for stocking through doorways and/or opening that will exist at the time of jobsite delivery.
4. Contractor to provide all engineering required for proper installation of items. Shop drawings/details/calculations to be submitted for approval.
5. Provide continuous backing for floor base at all base cabinets. Toe kick backing shall be pressure treated.

6. Plastic laminate tops with all trim and backsplash as shown. Coordinate all countertop openings for equipment furnished metal as selected by the Architect.
7. Include installation of grommets in the work as per the Contract Documents. Grommets may be plastic or finished metal as selected by Architect. Assume twice as many grommets as indicated in the drawings and coordinate final location with the CM and site.
8. Include all cutouts and access panels in cabinets for computer equipment. Coordinate all work to allow installation of computer equipment without further rework of casework.
9. Include cutouts, access panels, chase ways, and penetrations for all plumbing and electrical equipment, and fixtures mounted to casework and/or countertops. Include all backing and mounting hardware. Make provisions for future service requirements. Coordinate this work with other trades.
10. Include all plastic laminate colors per the Contract Documents. Where a particular color is not specifically designed, provide custom color at Architect's discretion.
11. Include a total of forty (40) journeyman labor hours for miscellaneous finish carpentry. The Construction Manager/District may authorize the use of these hours only.
12. Coordinate with all trades including framing, plumbing, electrical, and flooring Contractors to ensure proper alignment, backing, and cutouts. Field modifications may be required if sufficient coordination does not take place.
13. It is the responsibility of this Contractor to directly coordinate with the Plumbing Contractor and confirm in writing the sink locations, including trap assembly locations.
14. Include all caulking and sealing of this work and to that of adjacent and dissimilar materials as required for weatherproofing or appearance. Caulking and sealant materials shall be compatible with all materials and conform to the Contract Document requirements. Coordinate caulking color with the Construction Manager.
15. Furnish and install all cabinetry hardware and locks as specified and required for a complete functional installation. Provide keying as coordinated with the site. Contractor should assume that each space will have casework keyed differently than the adjacent space.
16. Immediately following installation of countertops, this Contractor shall install continuous cardboard protection on all horizontal surfaces. Remove protection prior to acceptance and as directed by the Contractor.

17. Provide wood substructure to support all countertops.
18. Fully coordinate all work with other trades to ensure final construction with all applicable work by other trades meets all codes and will fit as indicated on the drawings. Coordinate all dimensions for cutouts with other trades.

VII. INSULATION INCLUSIONS: The following items are specifically included in the Insulation scope of this Contract:

1. All interior and exterior thermal, sound, fire and other insulation located in the walls, ceilings, under roof decking and otherwise.
2. Furnish and install batt insulation at new interior and exterior walls.
3. Furnish and install batt insulation at exterior wall infills as required.
4. Furnish and install batt insulation at underside of roof assembly at skylight and mechanical unit infill areas as required.
5. Furnish and install fiberglass batt insulation as shown above storefront heads, sectional door head, and other such locations.
6. Furnish and install sound insulation as indicated.
7. Fire safing and fire sealants at all areas noted on the plans and specifications. (All safing and sealants for MEP/FP trades penetrating rated walls is by others).
8. All clips, fasteners, pins, wires, adhesives, etc. as required by specification, code, job conditions and manufacturer's requirements to attach/retain work in place. All materials and methods will conform to the required fire ratings of the design intent.

VIII. ROOFING INCLUSIONS: The following items are specifically included in the Roofing scope of this contract:

1. Furnish and install all roofing, dens deck at roofs, roofing insulation, roofing tapered insulation, and protection board
2. Include roofing at new RTU curbs for new mechanical equipment and other components.
3. The Contractor, prior to the start of work, will schedule a Pre-installation roofing conference. The purpose of this meeting will be to coordinate all details of the work to ensure the final product is accepted and warranted. The personnel in attendance shall include the roofing system manufacturer's representative, the Owner, the Architect, all affected trades, and the Construction Manager. This

Contractor shall chair the meeting, take and distribute minutes, and implement discussion items as required. This Contractor shall coordinate an independent roof inspection by a firm selected by the Construction Manager.

4. Coordinate all testing and inspections required for this scope of work. Provide access for inspection of work. Testing and inspection will be by others except for costs incurred as a result of remedial work.
5. Install the specified roof system in accordance with both the Project Specifications and the manufacturer's requirements. Include the any tapered roof insulation system at all areas. The tapered insulation shall be designed in accordance with the Contract Documents to achieve proper drainage in all areas. Where a conflict exists, the more stringent requirements shall apply. Install products as recommended to receive required guarantee and warranty. Install tapered insulation on all canopy roofs, low point shall be 1" of insulation at drains.
6. Contractor shall protect in place all items to remain on roof.
7. Furnish and install roof insulation board, cant boards, crickets, caulking and sealants, wood blocking and nailers, etc. as required for a complete roofing system.
8. Inspect and accept all substrate surfaces and building components prior to application of roof systems. Contractor shall timely notify the Construction Manager in writing of all problems requiring corrective action. Upon Contractor acceptance of substrate surfaces and building components, Contractor shall install roofing system. If ponding or other unacceptable conditions are discovered after the application is complete, Contractor shall correct the problem at no additional cost.
9. Provide proper methods and materials approved by roof system manufacturer to seal and flash all penetrations as required (MEP penetrations, supports, etc.) for both horizontal and vertical. This may be extensive; reference MEP drawings.
10. Contractor to clean all roof/overflow drain assemblies after work is complete.
11. Perform water test on roof areas at completion of work. Contractor shall correct any "ponding" or leaks prior to acceptance.
12. Furnish and install flashing compatible with specified roofing system at all roof and overflow drains.
13. Furnish/install roof walk pads as shown.
14. Extend roof membrane up walls to manufacturer's required height or per the drawings, whichever is greater.

15. Extend waterproofing over mechanical/electrical pads and curbs whether shown or not.
16. Provide crickets (whether shown or not) on roofing drawings for all MEP curbs and pads for drainage. Refer to MEP, Architectural, and Structural drawings. Contractor to provide a Tapered Roof Insulation Plan showing the layout for the roof, including all crickets, and identifying the finish insulation height at each corner of the roof curbs, platforms, ducts and penetrations. Contractor must submit the tapered Roof Insulation Plan with his submittals and provide copies for the Architect, Plumber, Mechanical, Sheet Metal, and electrical contractors for review and comment prior to start of construction.
17. Include **all** manufacturers' flashings/terminations, etc. at all locations where roof terminates.
18. Provide a separate move on after the roof is complete for thirty-five (35) man-hours of final additional penetration flashings. The Construction Manager/District may authorize the use of these hours only.
19. All work shall comply with the manufacturer's installation instructions.
20. Terminate all work in accordance with manufacturer's instructions. Provide clean lines at termination edges. Extend up or down adjacent surfaces to guarantee waterproofing.
21. Provide all surface prep of substrate including washing, blasting, fin removal, filling, etc.
22. Verify and accept substrates moisture content prior to performing work.
23. Ensure all materials to be used are VOC compliant.
24. Joint sealants are to be included by Contractor wherever necessary.
25. Recommended contact adhesives and reinforcing strips are to be suggested in writing by manufacturer.
26. Do not store materials in direct sunlight. Materials are to be stored in conditions recommended by manufacturer.
27. Roof submittal shop drawings must specifically address the requirements of this project. Manufacturer's standard details that do not apply to this specific project are not acceptable as shop drawings. Prime Contractor understands that Architectural drawings are included to supplement the roofing manufacturer's project specific shop drawings/details. Prime Contractor includes all work required to achieve the Roofing Manufacturer's roofing warranty.
28. Contractor to receive, install, ensure weathertight and warrant, ladder tie downs.

29. Roof top mechanical equipment: Provide at least an eight (8) inch upturn requirement at all mechanical curbs/platforms and perform all leveling, as needed to receive a warrantable system from the roofing manufacturer. Leveling can include but is not limited to 2x blocking, plywood, rigid insulation and any other rigid surface that is acceptable to the roofing manufacturer. Prime Contractor includes all substrate required to provide a level surface at all upturn locations in order to achieve the roofing manufacturer's roofing warranty. This includes providing the necessary leveling substrate at rooftop unit isolator curbs. Reference 5, 6 & 7 /M0-5.1, 1/M0-5.2 & HVAC Prime Contractor's approved submittal for mechanical isolator curbs. Prime Contractor shall coordinate with HVAC Prime Contractor for rooftop unit isolator spring access door port locations and height in order to coordinate curb substrate height and roofing upturn height. Prime Contractor shall not install roofing over said access door ports. Access door ports must remain accessible. Rough Framing Prime Contractor will only provide built platforms at condensing units and exhaust fan units, as well as rough framing support underneath roof sheathing. It is this Prime Contractor's responsibility to include all necessary support framing or leveling required to achieve the specified roof warranty beyond any built-up platforms for condensing units and exhaust fan units.
30. Provide cant strips, shims or furring to cover all exposed hardware and structural elements that extend into the roof membrane. Prime Contractor includes all other cant strips required, per the manufacturer's project specific roofing details.
31. Prime Contractor shall include fifteen thousand (15,000) square feet of *peel-and-stick* roofing for use of temporarily waterproofing the roofs in the event the specified roofing material is unable to arrive by the date the roofing system is scheduled to be installed on the approved Master Baseline Schedule. Prime Contractor includes installing the temporary *peel and stick*, in addition to removing the *peel and stick* if the specified manufacturer does not allow the Prime Contractor to install the specified roofing system over the *peel and stick* roofing material.

IX. METAL WALL PANELS, SHEET METAL FLASHING AND TRIM INCLUSIONS: The following items are specifically included in the Metal Roofing, Metal Wall Panels, Sheet Metal Flashing and Trim scope of this Contract:

1. Furnish and install new corrugated metal panels.
2. Furnish and install all sheet metal flashing and trim in accordance with the Contract Documents including but not limited to:
 - a. All reglet flashings and counter flashings.
 - b. Fascia and cap flashings.
 - c. Gutters and downspouts.
 - d. Drip edge flashings.

- e. Doors/windows.
- f. Coiling/sectional overhead doors.
- g. Canopies.
- h. Louvers.
- i. Flashing at walkway.
- j. Flashing at concrete benches.
- k. All wall flashings.
- l. Roof edge flashing and accessories.
- m. Weather barriers.
- n. Seismic separations.
- o. If directed by Construction Manager, provide 2-piece metal flashings (reglet and flashing) in lieu of one piece to facilitate the construction schedule.
- p. Prefinished formed metal flashings.
- q. Base flashing.
- r. Coping system including cleats, miters, wall terminations and ends.
- s. Drips above doors, roof edges and windows.
- t. Architectural metal louvers that are not connected to HVAC systems
- u. AC unit counter flashings.
- v. HVAC Pad flashing and pad cover.
- w. All work finish per specifications.
- x. Curb and Roof Hatch (if shown).
- y. Include additional thirty-five (35) journeyman labor hours for additional flashing that will be required as directed by Construction Manager.
- z. Provide all hoisting for work under this Contract.
- aa. Provide all high lifts/ roof top temporary fall protection devices to install work under this Subcontract.
- bb. All exposed fasteners in pre-finished materials will be similarly finished.
- cc. Provide all sealants and caulking of this specification section to adjacent materials in accordance with specification section 079200.
- dd. Provide all shimming/ spacers, etc. for work included in this Contract to that of work provided by others.
- ee. Provide all pre-finishing of all items unless specifically called out for as not pre-finished.
- ff. All waterproof membranes, etc. behind work in this contract including all break metals, drips, flashings, etc. and supports for sheet metal work.

X. DOORS, FRAMES, AND HARDWARE INCLUSIONS: Doors, frames, and hardware with all required supervision, labor, material, supplies, equipment, taxes, and insurance to professionally complete this project as follows:

A. HOLLOW METAL DOORS, AND HOLLOW METAL FRAMES (Including Window Frames and Glazing)

1. METAL DOORS AND FRAMES - Furnish and install all hollow metal frames and doors as indicated on the construction documents. This includes all window

frames as noted. Provide all material required for a complete, finished and properly operating opening as intended by the Contract Documents.

2. DOOR AND FRAME FINISH - Doors and frames to be provided complete with specified finish. Paint coat to be provided by this Prime Contractor
3. DOOR AND FRAME PREPARATION - All doors and frames shall be prepared for finish hardware cut-outs, backing, electrified hardware, etc. All fabrication shall be based on the reviewed hardware and hollow metal schedules that are issued to Prime Contractor directly from Construction Manager. Hardware location and preparation shall comply with all current codes and handicap requirements.
4. FIRE RATINGS - All work to have factory-applied fire rating labels as required on contract documents. All rating labels shall mechanically fastened (NO STICKERS).
5. STC RATINGS – Include all STC rated doors and frames as required.
6. ANCHORAGE - Furnish the proper types of clips, anchors, and fasteners to attach frames to building framing.
7. DOOR ACCESSORIES - Furnish vision lite frames, louvers, fusible link louvers, astragals, and fasteners in doors where required by Contract Documents and applicable building codes.
8. TEMPORARY DOORS - Furnish and install fifteen (15) temporary doors with temporary lockable hardware and functional hinges as requested by C.W. Driver. The intent of this scope is to provide a security contingency.
9. MATERIAL DELIVERIES - All hollow metal frames must be delivered to jobsite for installation as indicated in the Project Schedule. Identify each door and frame using the same numbering system used on the Architectural drawings. Coordinate with C. W. Driver's Project Superintendent for exact delivery dates.
10. HARDWARE PREPARATION - Provide preparation for all hollow metal frames / doors for security and electronic hardware as required by Contract Documents.
11. CONSTRUCTION CORES – Prime Contractor includes construction key cores for all existing and new doors schedule in the project. Prime Contractor shall coordinate a date/time to install new cores in existing doors at the start of the project with the District's locksmith. Prime Contractor shall expect to perform this task within the first two weeks of the project start date.

B. WOOD DOORS

1. CERTIFICATION- Provide labels or certificates indicating that installed work

complies with AWMAC/WI (NAAWS) requirements for grade or grades specified.

2. STORAGE- Wood doors shall be stored per the manufacturer's instructions and per the specifications.

C. FINISH HARDWARE

1. FINISH HARDWARE- Provide and install all finish hardware indicated on the construction documents. Provide all material required for a complete, finished and properly operating opening as intended by the Contract Documents. Provide cylinders only for aluminum storefront doors.
2. PANIC HARDWARE- Include all Panic Hardware as indicated in the Contract Documents.
3. HARDWARE ACCESSORIES- Include proper screws, accessories and fasteners to install materials in wood doors, hollow metal and aluminum materials.
4. MAINTENANCE TOOLS- Furnish a minimum of (3) three complete sets of maintenance and adjustment tools for items such as closers, locksets, etc.
5. KEYING- Provide all keying per the Contract Documents and in accordance with the Owner's keying schedule. Provide I/C cores and keys during construction (two sets, one of which for electrical room). Coordinate with Elevator Contractor on Key Activation Hardware.
6. FIRE RATINGS- All hardware shall be suitable for installation in rated walls where applicable.
7. PROJECT CONDITIONS- Where hardware types have not been noted, provide hardware groups consistent with similar conditions found elsewhere in the project, the most conservative condition will apply.
8. THRESHOLDS- Furnish and install new thresholds at all door frames. Prime Contractor specifically includes custom thresholds at all door locations in resilient athletic flooring areas regardless of specific hardware specified in the hardware schedule. Prime Contractor shall ensure the finish threshold accommodates the resilient athletic flooring thickness.

XI. GLAZING/STOREFRONT INCLUSIONS: The following items are specifically included in the Glazing scope of this Contract:

1. Furnish and install all glass/glazing for interior and exterior windows, pass-thru windows, sidelites, and vision lites as shown in Contract Documents. This includes fixed and operable windows as indicated.
2. Include all work which is consistent with the defined scope of work in this Contract

and that may be required by the entire set of drawings and specifications. Where a conflict exists, the more stringent requirement shall be included.

3. Verify and coordinate dimensions for alcoves, walls and opening dimensions for equipment furnished by others. Particular attention to code mandated exiting clearance and handicap clearance dimensions is required. All work shall fully comply with current handicap codes (even if contrary to the Contract Documents and submittal approvals). This Contractor shall request specific written direction from the Construction Manager before proceeding with any work that is non-compliant.
4. Furnish/install/maintain scaffolding for this Contractor's work operations and other trades that will be installing work that is concurrent, integrated, or after Contractor's operation is complete at no additional cost to the trades or the Owner. Trades will be required to sign reasonable waivers and to provide insurance that is customary for this application. All scaffolding shall fully comply with OSHA requirements. Contractor shall disassemble scaffolding following completion of work.
5. Protect the roofing membrane and/or waterproof deck coating systems with temporary plywood protection and other means during the installation of the work installed under this Contract in such areas to guarantee the roofing and waterproofing systems will not be compromised.
6. Furnish and install caulking and sealant in this system and between work in this Contract and all other dissimilar materials. Include caulking between Contract work and hollow metal frames, plaster, trim/accessories, concrete, decking, windows and storefronts, metal panels, etc., as required by the Contract Documents.
7. Coordinate with the framing contractor to ensure window mullions align with interior framed walls as required by the contract documents.
8. Furnish and install all aluminum-framed storefronts. At the conclusion of installation, Prime Contractor shall provide a water-spray test per the specifications and shall provide a written report and video recording of the test for record.

XII. COILING DOORS & OVERHEAD SECTIONAL DOORS INCLUSIONS: The following items are specifically included in the Coiling Counter Doors & Overhead Sectional Doors scope of this Contract:

1. Prime Contractor to provide and install all 20-gauge painted galvanized break metal required to complete the coiling/overhead door systems.
2. Prime Contractor to include all required angle iron or support metal required to

support the coiling counter door system that is not specifically shown in the structural drawings or architectural drawings. This can be additional support steel recommended by the coiling door manufacturer. Structural steel Prime Contractor will furnish and install all miscellaneous metal shown in the structural and architectural drawings for the coiling door system(s).

3. Include all work which is consistent with the defined scope of work in this Contract and that may be required by the entire set of drawings and specifications. Where a conflict exists, the more stringent requirement shall be included. Structural supports to be by Structural Steel Contractor.

XIII. DRYWALL, FRAMING, LATH & PLASTER INCLUSIONS: The following items are specifically included in the Drywall, Framing, Lath and Plaster scope of this Contract:

1. Include all work which is consistent with the defined scope of work in this Contract and that may be required by the entire set of drawings and specifications. Where a conflict exists, the more stringent requirement shall be included.
2. Provide all necessary protection for new/existing work and adjacent finishes from over-spray and Contract work operations. Include masking and protection as required. Include power washing of adjacent surfaces following completion of operations as a result of over-spray and Contract work causing staining, discoloration, etc. Protect floor slabs; subsequent finishes require clean bonding substrate.
3. Verify and coordinate dimensions for alcoves, walls and opening dimensions for equipment furnished by others. Particular attention to code mandated exiting clearance and handicap clearance dimensions is required. All work shall fully comply with current handicap codes (even if contrary to the Contract Documents and submittal approvals). This Contractor shall request specific written direction from the Construction Manager before proceeding with any work that is non-compliant.
4. Protect the roofing membrane and/or waterproof deck coating systems with temporary plywood protection and other means during the installation of the work installed under this Contract in such areas to guarantee the roofing and waterproofing systems will not be compromised.
5. Furnish and install caulking and sealant in this system and between work in this Contract and all other dissimilar materials. Include caulking between Contract work and hollow metal frames, plaster, trim/accessories, concrete, decking, windows and storefronts, metal panels, etc., as required by the Contract Documents.
6. All drywall, framing, plaster, lathing, and accessories, (i.e., weep screeds, plaster

grounds, casings, corner beads, reveal mountings, aluminum reveals, vented reveals, control joints, etc.) required by the Contract Documents and for a complete job.

7. Furnish and install all exterior and interior plaster systems as required by the Contract Documents. Include all lathing, flashing paper, lathing accessories (i.e., weep screeds, plaster grounds, corner/edge trims, casings, control joints, reveal moldings, venting at soffits, etc.) as required by the Contract Documents and for a complete job. This includes new plaster at the Modular Elevator and Elevator Mechanical Room, new plaster soffit at the new walkway, plaster at the infill areas, and other such areas.
8. Provide patch and repair of plaster at new and/or expanded openings at locations shown in Contract Documents.
9. Plaster scope of work shall include, but is not limited to the following details:
 - a. All plaster accessories as identified in the Contract Documents.
10. Include all wires, hangers, and straps, etc., to support work included in this Contract. All work and suspension systems to comply with code requirements.
11. Provide all framing and suspending structural systems in order to install work under obstructions (i.e. under plenum mounted equipment, ductwork, etc.) Include trapeze systems, if necessary, below congested/oversized ducts and other MEP obstructions.
12. Provide all seismic bracing and supports as required at all walls and suspended drywall ceilings.
13. Furnish/install hat channels, furring, backing behind expansion joints, sheet metal items and other items requiring it.
14. All patching and drywall work at opening penetrations required for other trades and equipment, e.g., ducts, fire dampers, pipes, conduits, lights, elevator rail brackets, doors, frames, J-boxes, etc.
15. All fire/smoke rated construction shall maintain continuous required ratings at all areas as required by the Contract Documents.
16. Furnish and install all interior drywall board and finishing 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, reveals, moldings, etc. as required by the Contract Documents and for a complete job.
17. Furnish and install all drywall board and finishing at infill areas on exterior walls

as required by the Contract Documents.

18. Contractor to provide drywall at all framing when directed by the Construction Manager as required to commence acoustical ceiling grid installation. This may or may not be in sequence with drywall production work but will be performed as necessary for acoustical ceiling grid installation. Taping may not be in place prior to the start of acoustical grid installation due to schedule requirements. If this is the case, provide all protection of acoustical ceiling as necessary.
19. Coordinate all special requirements and sequence of drywall installation with the Casework Contractor and the Electrical Contractor. Provide openings in walls/soffits for wiring and equipment requirements.
20. Provide all custom trim, molds, reveals, shadow molds, frye reveals, f-stops, etc.
21. Installation of drywall and finish taping in heavy traffic areas, i.e., corridors, stairwells, etc. that are subject to damage shall not be started until directed in writing by Construction Manager.
22. Provide finish tape behind all equipment/fixtures/lockers, etc. as is consistent with the taping requirements of the area in question i.e. do not merely fire tape behind these areas.
23. Skim coat all existing surfaces as required to prepare it for subsequent finishes. Provide all "float coats" etc. as required by the Contract Documents (i.e. U.S.G. first coat etc.). Provide full coordination to ensure materials used are completely compatible with subsequent finishes.
24. Include all items to ensure STC rated rooms meet or exceed the specified parameters. Include all sealants. Sound seal all MEP/FP penetrations.
25. Include backer rod and caulking where exterior plaster trim is adjacent to finishes/materials installed by others.
26. Frame out for all access doors/panels/hatches provided by other trades as required by actual job conditions. Provide the proper framing at each location.
27. Frame out, furnish, and install all access doors, panels, and hatches shown on the Contract Documents. Access doors provided by Contractor shall be fire rated as required to comply with applicable codes. Additionally, unless specified to the contrary, access doors in finished area shall be of the "concealed" type, (i.e. tapeable flange/drywall insert in drywall applications; plaster flange/plaster insert for plaster applications, etc.)
28. Install acoustical sealant as required by the Contract Documents at sound and /or rated construction.
29. All scaffolding provided by Contractor will "bridge" over primary entry points to

the building to allow uninterrupted access. Additionally, scaffold will “bridge” over key utility tie in points that are not yet complete.

30. Furnish and install any soffit vents shown on the plan.
31. All interior drywall partitions shall be full height unless specifically shown otherwise. This includes insulation and drywall. This supersedes the Contract drawings. Where plywood and drywall meet, provide trim to protect drywall edge.
32. Install all HM door and window frames set in all walls. Include anchoring to concrete floor as required.
33. Provide all weep screeds.
34. Provide one hundred and fifty (150) journeyman hours for miscellaneous drywall work. The Construction Manager/District may authorize the use of these hours only.
35. Provide all safety supplies and signs. Furnish and install continuous galvanized vent screeds.
36. Provide moisture resistant (purple) drywall board for top-down drywall as directed by the construction manager. This product may be installed prior to the building being weatherized and will extend down to the ceiling elevation.
37. Prime Contractor shall furnish and install all backing for all Prime Contractors, per 9/S0-1.6, 33/K-7.3 and per coordination with Prime Contractors. Prime Contractor shall formally notify all Prime Contractors two (2) weeks in advance of hanging drywall to coordinate backing locations/extents.

XIV. ACOUSTICAL CEILING SYSTEMS, ACOUSTICAL WALL AND CEILING PANELS/DIFFUSERS INCLUSIONS: The following items are specifically included in the Acoustical Ceiling Systems, Acoustical Wall and Ceiling Panels/Diffusers scope of this Contract:

1. Furnish and install all acoustical grid and panel ceiling and wall systems as required by the Contract Documents and specifications. This includes all acoustical wall panels, pyramidal ceiling diffusers as shown. Include all necessary suspension systems and seismic requirements as mandated by code and the Contract Documents.
2. Furnish and install all support/seismic wires for all light fixtures, projection mounts, projector screens, and diffusers /registers within the acoustic ceilings. Furnish and install all pre-finished wall/perimeter angles, edge trim, frye reglet, reveals, miscellaneous trim, etc. at all conditions where the ceilings intersect adjoining surfaces, terminate at light coves, and terminate at drywall soffits etc.
3. Furnish and install acoustical ceiling panels and all necessary trim at the exposed

bottom surfaces of ceiling mounted equipment.

4. Furnish and install caulking between work installed under this Contract and dissimilar materials.
5. Fully coordinate all Contract work with all other related trades that interface with the work included in this Contract. Proper coordination shall occur before any work or suspensions systems/wires are installed. Reference all Contract Documents and trade shop drawings.
6. Coordinate all work and dimension requirements with related trades, i.e. dimensions of framed/drywall ceiling soffits. Coordinate installation and location of all wires and suspension system components with all other work above ceiling systems (i.e. ducts, piping, equipment, light fixtures, etc.). This includes coordination with all related building trade Contractors.
7. All hanger wires shall have a looped twisted end after installation for protection of workmen below.
8. Grid and suspension systems shall be configured and constructed in a manner that allows the minimum amount of disassembly at locations where access hatches, projection screens, operable walls, wall mounted cabinets, doors and HVAC equipment are located above the ceiling systems, i.e., corridors. This may include special splices in the main runners.
9. Provide all cut outs, etc. as required for other trades in the acoustic ceiling panels.
10. Include an additional twenty (20) ceiling tiles and necessary labor to replace damaged tiles prior to final punch walk. This requirement is in addition to the specified attic stock required by specifications.
11. Coordinate the installation of all ceiling mounted equipment with the responsible Contractor to ensure that all backing is securely mounted and not supported by the ceiling system. Ceiling Contractor to provide all cut-outs/trim/bracing to incorporate other systems into the ceiling system.
12. Include all compression struts/ bracing as required by code and the Contract Documents. The most conservative shall apply.
13. Contractor responsible for all wood blocking for their own systems, including but not limited to, compression posts, splay wires, etc.
14. Prime Contractor includes all forty-five (45) degree splay wires, per details shown on AD4.0 and per the Interpretation of Regulations (IR)-25.2.13.
15. Prime Contractor has included multiple mobilizations to achieve the requirements of the contract and this Scope of Work subsection. For bidding purposes, include two (2) mobilizations. A mobilization is defined as removal and return of

equipment and materials. A crew leaving the site is not a demobilization.

XV. FLOORING INCLUSIONS: The following items are specifically included in the Flooring scope of this Contract:

1. Provide all floor preparation and treatment for floor product installation. Prime Contractor specifically includes the preparation required as outlined per specification #090561 – Common Work Results for Flooring Preparation and per the associated flooring manufacturer’s installation instructions. Prime Contractor shall assume ALL concrete substrates will require the use of a remedial floor coating, per #090561-2.01C. Prime Contractor shall select moisture control product from the list provided that is compatible and compliant with the associated flooring product that this Prime Contractor receives approval on via the submittal process.
2. Prime Contractor is responsible for coordinating with the Concrete Prime Contractor to ensure floors are poured and finished per this Prime Contractor’s flooring manufacturer’s requirements.
3. Include resilient athletic flooring and base as indicated on Color, Materials, & Finishes Legend on ID-1.0.
4. Prime Contractor shall install all flooring systems per the manufacturer’s instructions and specifications.
5. Provide fifty (50) journeyman hours of flooring field labor. The Construction Manager/District may authorize the use of these hours only.
6. Prime Contractor has included multiple mobilizations to achieve the requirements of the contract and this Scope of Work subsection. For bidding purposes, include four (4) mobilizations. A mobilization is defined as removal and return of equipment and materials. A crew leaving the site is not a demobilization

XVI. CERAMIC TILING INCLUSIONS: The following items are specifically included in the Ceramic Tiling scope of this Contract:

1. Provide all floor and wall preparation and treatment for tile product installation.
2. All wall tile with either mortar set or thin set as indicated.
3. Include all caulking and sealing of all ceramic tile.
4. Include waterproofing membrane on tiled floors and walls.

XVII. PAINTING: The following General Construction items are specifically included in the Painting scope of this Contract:

1. This contractor shall examine all project documents including architectural drawings; structural drawings, civil drawings, specifications, etc. include all work shown on the contract documents relevant to your scope of work.
2. Provide for all interior and exterior painting including water repellant sealers per the contract documents. Provide for all high-performance coatings per the contract documents.
3. Provide all sealants for your scope of work and any work that touches your work. Include application of two coats of paint prior to the installation of all casework, a move-on so all casework can be installed, and a move-on for the third coat.
4. Paint all exposed plumbing lines.
5. Paint all supply and return grilles in accent painted ceiling areas.
6. Provide water repellant and anti-graffiti coatings per Contract Documents.
7. Include all task lighting as required for this contractor's scope of work.
8. MSDS sheets for all materials to be used on site are to be submitted to the Construction Manager jobsite trailer within ten working days following the award of this scope.
9. Provide and maintain all required ventilation throughout the duration of all work included in this scope.
10. Furnish/install/maintain all scaffolding, ladder, work platforms, etc. for this as required to perform your work. This does not relieve the contractor of responsibility for compliance with all safety or maintenance requirements. Provide all required rigging and hoisting necessary to perform this scope of work. All lifts and material handling required to perform this scope of work shall be provided by the Prime Contractor. All scaffolding shall fully comply with OSHA requirements. Contractor shall disassemble scaffolding following completion of work.
11. Painting contractor is to provide all finish caulking at the interior doors and window frames. Also include all finishes caulking around all items that will be set in a metal stud and gypsum partition (i.e., fire extinguisher cabinets, fire hose cabinets, etc.) This finish caulking is to be neat and finished product.
12. Painting contractor is responsible for both installation and removal of protection of all painting.
13. Painting contractor is responsible to mask off all U.L. label, nameplates, etc.

during the painting process.

14. Include painting all surfaces as shown on the drawings or described in the specifications.
15. Paint all exposed steel as indicated on contract documents.
16. Paint all guardrails, handrails and associated hardware as indicated on contract documents, typical.
17. Paint exposed metal flashing as shown on the plans.
18. Paint all new corrugated metal panels to match as shown on Contract Documents.
19. Paint existing and new exterior cement plaster.
20. Paint interior gyp walls, ceilings, and soffits as shown on the plans and finish schedule.
21. Paint all hollow metal doors and frames as shown on Contract Documents.
22. Paint exterior soffits.
23. Paint all exposed ceiling, ductwork, conduits, piping, etc.
24. Paint roof number signs on buildings as shown on Contract Documents.
25. Prime Contractor shall provide caulking/sealant at all drywall areas.
26. Include sixty (60) journeyman hours for painting. The Construction Manager/District may authorize the use of these hours only.

XVIII. ALLOWANCES: The following allowances are included in this scope of work. The Construction Manager must agree to the price, type and extent of additional scope before work is started. Field tickets must be signed by Construction Manager's Superintendent on a daily basis to account for the time, material, and equipment used from these allowances. All time, material, and equipment used from these allowances will be billed against these allowances and any portion of the original allowance amount not used will be credited back to the Owner at the end of this Contract's scope of work as a deductive change order. This Article is separate and exclusive from all other Work required by the Contract.

- CN-2985 Allowance #1: Unforeseen Conditions = \$25,000

XIX. ALTERNATES: N/A

XX. EXCLUSIONS:

- i. Specialty casework – Wenger (by Specialties)
- ii. Sealed concrete finishing (by Concrete Prime Contractor)
- iii. Specification #096700 – Fluid-Applied Flooring (by Concrete Prime Contractor)

GROSSMONT UNION HIGH SCHOOL DISTRICT

GROSSMONT HS KITCHEN AND WEIGHT ROOM MULTI-PRIME

**ATTACHMENT H
BID PACKAGE**

CN-2986

SPECIALTIES

**TRADE CONTRACTOR SPECIFIC PROVISIONS
BID PACKAGE: CN-2986
SPECIALTIES**

SPECIALTIES

The following clarifies certain inclusions, exclusions, and other information. This list is not inclusive of all work and is not limiting in any manner. This Exhibit shall supplement all General and Special Conditions in this Contract unless specifically noted herein to supersede them. This exhibit shall supersede all other conditions in the Contract and Contract Documents in the event of specific conflicts between the Documents.

I. **GENERAL REQUIREMENTS:** The following General Requirements apply to all work included in this Contract:

1. Full compliance and scope coverage with Specification Section(s):

- DIVISION 00
- DIVISION 01
- 06 83 16 – Fiberglass Reinforced Panels (FRP)
- 07 92 00 – Joint Sealants
- 09 72 16 – Architectural Vinyl Graphic Film
- 10 11 00 – Visual Display Units
- 10 14 00 – Signage
- 10 21 13.19 – Toilet Compartments
- 10 26 00 – Wall and Door Protection
- 10 28 00 – Toilet Accessories
- 10 44 00 – Fire Protection Specialties
- 10 56 13 – Metal Storage Shelving
- 10 56 23 – Wire Storage Assemblies
- 12 24 00 – Window Shades

Full compliance and scope coverage with all other Project Scope and Specification Sections that interface with and require services related to this scope of work.

2. Prime Contractor and its subcontractors and/or lower tier contractors shall be a licensed contractor pursuant to the California Contractors License Law required for the performance of work in the appropriate classification(s) of contractor's license(s) for the work bid upon, and must maintain the license(s) throughout the duration of the Contract. License required for this work shall be B or C-61.

3. Schedule of shop drawings, submittals, and dimension verifications: The following groups of shop drawings and submittals are not all-inclusive and are supplemental to requirements found elsewhere in the Documents. These submittals shall be delivered to the Construction Manager no later than the below listed dates:

a. #102113.19 – Toilet Compartments

Due: 15 calendar days after Notice to Proceed

b. #105613 – Metal Storage Shelving

Due: 15 Calendar Days after Notice to Proceed

- c. #105623 – Wire Storage Assemblies

Due: 15 Calendar Days after Notice to Proceed

- d. ALL Other Contractual Submittals

Due: 30 Calendar Days after Notice to Proceed

These due dates take precedence over other dates found elsewhere in the Contract Documents.

4. Prepare any coordination drawings required to show the interface between work provided by this Contract and others. This includes but is not limited to:
 - Rough Opening Dimensions, Wall Backing Drawings, Backsplashes, Bracing, MPE Coordination Drawings, Pressure treated backing behind toe kicks.
5. Prime Contractor has included the costs for off-site storage of project materials.
6. Schedule: Prime Contractor shall issue to the Construction Manager a detailed Construction Schedule for this trade's work as it pertains to this Project. The work shall proceed in accordance with the Master Construction Schedule issued with the Construction Documents. This schedule shall be modified from time to time in order to properly coordinate and sequence the work; however, the Prime Contractor is responsible to supply sufficient manpower, equipment and material necessary to ensure the duration of time established for the Prime Contractor's work is maintained as per the Construction.
7. Provide flagmen as required. It is understood that the work will take place within an operating Campus and that the Prime Contractor is solely responsible to protect the public and maintain uninterrupted access to the campus by the general public. Provide all barricades, etc. to achieve this.
8. Prime Contractor will be responsible for collateral damage to areas or finishes not scheduled for demolition as a result of his operations.
9. It is understood that all scope inclusions contained in this bid package shall be provided by the Prime Contractor regardless of similar or identical inclusions found in other bid packages or trade contracts.
10. It is understood that the Project Specific Provisions contained in the Contract Documents are a material element of this Contract and scope of work. It is specifically noted that the Prime Contractor shall be responsible for all requirements and clauses contained in the Project Specific Provisions.
11. In the event of conflicts not clarified prior to bidding deadline, Prime Contractor shall assume the most stringent, higher quality and greater quantity of work for

bidding purposes. If Prime Contractor still requires clarification after awarded project, Prime Contractor shall generate an RFI. If appropriate, a deductive change order shall be issued if the clarification results in a reduced scope of work.

12. Provide, erect and dismantle all ladders and scaffolding required to perform work. Provide all required rigging and hoisting necessary to perform this scope of work. All lifts and material handling required to perform this scope of work shall be provided by the Electrical Prime Contractor.
12. Prime Contractor shall have a current California Contractor's License Classification as listed on the Notice to Bidders and shall keep same current through-out the duration of the project.
13. Prime Contractor understands that parking will not be permitted within the limits of work, staff parking, student parking or public parking spaces on campus, unless specifically allowed in the Contract Documents or agreed upon by the District. Prime Contractor acknowledges that food trucks are prohibited from entry to the construction limits of work and Grossmont High School campus. This General Requirement supersedes parking provisions outlined elsewhere in the Contract Documents.
14. Daily clean-up of all debris related to the work of this Bid Package Contractor is required. All debris generated by this Bid Package Contractor shall be legally removed daily and disposed of off-site by this Bid Package Contractor. All Bid Package Contractors, while on site, will provide a clean-up laborer to be included in a weekly clean-up effort for the duration of the project. For bidding purposes, Prime Contractor shall provide a 2 hours of clean-up labor for 35 total weeks.
15. Finish Prime Contractor includes all in-wall flat-strap backing and rough carpentry Prime Contractor includes all in-wall and above ceiling structural wood-framed backing. Prime Contractor shall coordinate accordingly and layout backing where required for this Prime Contractor's scope.
16. Prime Contractor includes eighty (80) additional labor hours to be authorized by the Construction Manager.

II. VISUAL DISPLAY UNIT INCLUSIONS: The following items are specifically included in the Visual Display Boards scope of Work:

1. Furnish and install all sliding and fixed white boards per Contract Documents.
3. Prime Contractor shall properly coordinate locations of backing and support with the Finish Prime Contractor if flat-strap backing is required. All other backing shall be by the Rough-Carpentry Prime Contractor.
4. Properly coordinate the dimensions and alignment of the joints in the white boards with the joints and other building components.

5. Prime Contractor shall clean all boards prior to completion.
6. Prime Contractor shall provide coordinated shop drawings to demonstrate this Prime Contractor has coordinated other wall devices and no obstructions will be present during installation. If this Prime Contractor fails to coordinate wall devices or penetrations prior to in-wall rough-in, Prime Contractor is responsible for compensating the associated MEP contractor to relocate the in-wall rough-in.

III. SIGNAGE INCLUSIONS: The following items are specifically included in the Signage scope of Work:

1. Furnish and install all interior room and code related signage as required by Contract Documents.
2. Properly coordinate the dimensions and alignment of signage with other building components.
3. Prime Contractor is aware that coordination with the school/District is expected in order to achieve the correct color/textures choices, as well as defining room/bldg. names.
4. Prime Contractor shall furnish and install ALL Building ID Letters, per plan elevation, details, specifications, etc.

IV. VINYL GRAPHICS INCLUSIONS: The following General Construction items are specifically included in the Painting, Vinyl Graphics, & Wall Covering scope of this Contract:

1. This contractor shall examine all project documents including architectural drawings; structural drawings, civil drawings, specifications, etc. include all work shown on the contract documents relevant to your scope of work.
2. Furnish and apply all interior and exterior custom vinyl graphic lettering and logos as indicated on the Contract Documents.
3. Furnish and apply all custom vinyl graphic wall covering in all areas noted as GF-2 on Color, Materials, & Finishes Legend on ID-1.0, elevations, and other such locations.
4. Furnish and install all vinyl signage and vinyl graphics.
5. Prime Contractor includes direct coordination with Finishes Prime Contractor for verifying level finish of wall surface is acceptable for vinyl installation. Prime Contractor shall follow the specification requirements for examining and preparing the wall surfaces prior to installation.

V. TOILET/SHOWER PARTITIONS AND ACCESSORIES INCLUSIONS: The following items are specifically included in the Toilet/Shower Partitions and Toilet Accessories scope of this Contract:

1. Layout, furnish and install all toilet/shower partitions and compartments, urinal

screens, and all accessories including but not limited to: grab bars, toilet paper and towel dispensers, trash receptacles, soap dispensers, napkin dispensers and receptacles, soap dispensers, seat cover dispensers, framed mirrors, janitor room items, mop racks, coat hooks, hand dryers, folding shower benches, etc. and all other accessories at all interior and exterior locations as required by the Contract Documents.

2. Toilet/shower partitions shall be from the specified manufacturer and specified finish. All exposed toilet partition items shall be of the same finish. Provide doors for handicap partition walls. Provide framework, etc. for doors to fit in the drywall partitions. Coordinate partition supports and backing with Framing and Structural Steel Prime Contractors.
3. Toilet accessories shall be as specified without substitutions. Include all items as shown in all Contract Documents and as required by code. Coordinate all backing requirements with Framing Prime Contractor.
4. Prime Contractor is responsible to fully coordinate the layout of all accessories and partitions to avoid conflict with floor drains, light fixtures, plumbing fixtures, electrical outlets etc. Prime Contractor shall fully coordinate layout and conflicts with the other Prime Contractors prior to the "framing stage" of construction. Confirm that handicapped requirements are provided for in the Documents, alert the Construction Manager whenever any conflict with handicapped requirements are discovered.
5. Provide all anchors, fasteners, trim, hardware, caulking and sealants as required.
6. This Prime Contractor shall clean and remove all protective coverings from the work as directed by Construction Manager.
7. Provide final adjustments to partition doors and hardware prior to Final Acceptance as directed by the Construction Manager.

VI. FIRE PROTECTION SPECIALTIES INCLUSIONS: The following items are specifically included in the Fire Protection Specialties scope of Work:

1. Furnish and install all fire extinguishers and fire extinguisher cabinets as noted in the documents. Coordinate built-in cabinets with the framing Prime Contractor.

VII. METAL STORAGE SHELVING AND WIRE STORAGE ASSEMBLIES INCLUSIONS: The following items are specifically included in the Storage scope of Work:

1. Furnish and install all Metal Storage Shelving and Wire Storage Assemblies per Contract Documents.
2. Prime Contractor shall properly coordinate locations of backing and support with the Finish Prime Contractor if flat-strap backing is required. All other backing shall be by the Rough-Carpentry Prime Contractor.

3. Prime Contractor shall provide coordinated shop drawings to demonstrate this Prime Contractor has coordinated other wall devices and no obstructions will be present during installation. If this Prime Contractor fails to coordinate wall devices or penetrations prior to in-wall rough-in, Prime Contractor is responsible for compensating the associated MEP contractor to relocate the in-wall rough-in.

VIII. PROJECTION SCREENS INCLUSIONS: The following items are specifically included in the Projection Screens scope of Work:

1. Furnish and install projector screens as shown in elevations in classrooms, meeting rooms, and other such locations per the Contract Documents.
2. Furnish and install mounts for projector screens, audio-video and similar per the Contract Documents.
3. Furnish and install extension hardware if required.

IX. WALL AND DOOR PROTECTION INCLUSIONS: The following items are specifically included in the Wall and Door Protection scope of Work:

1. Furnish and install all wall and door protection according to requirements indicted for design, performance, dimensions and member sizes, including thickness of components.
2. Surface mounted, metal corner guards fabricated as one piece from formed or extruded metal with formed edges.
3. Install corner protection according to manufacturer's written instruction, level, plumb and true to line without distortion.
4. After completion of installation, clean plastic covers and accessories using standard ammonia-based household cleaning agent. Remove excess adhesive using methods recommended by manufacturer.

VI. ALLOWANCES: N/A

X. ALTERNATES: N/A

XI. EXCLUSIONS: N/A

1. Roof number signage (by Finishes)

GROSSMONT UNION HIGH SCHOOL DISTRICT

GROSSMONT HS KITCHEN AND WEIGHT ROOM MULTI-PRIME

**ATTACHMENT H
BID PACKAGE**

CN-2987

FOOD SERVICE

**TRADE CONTRACTOR SPECIFIC PROVISIONS
BID PACKAGE—CN-2987
FOOD SERVICE**

FOOD SERVICE

The following clarifies certain inclusions, exclusions, and other information. This list is not inclusive of all work and is not limiting in any manner. This Exhibit shall supplement all General and Special Conditions in this Contract unless specifically noted herein to supersede them. This exhibit shall supersede all other conditions in the Contract and Contract Documents in the event of specific conflicts between the Documents.

I. **GENERAL REQUIREMENTS:** The following General Requirements apply to all work included in this Contract:

1. Full compliance and scope coverage with Specification Section(s):

- DIVISION 00
- DIVISION 01
- 07 92 00 – Joint Sealants
- 10 51 13 – Metal Lockers (Install Only)
- 11 40 00 – Food Service Equipment

Full compliance and scope coverage with all other Project Scope and Specification Sections that interface with and require services related to this scope of work.

2. Prime Contractor and its subcontractors and/or lower tier contractors shall be a licensed contractor pursuant to the California Contractors License Law required for the performance of work in the appropriate classification(s) of contractor's license(s) for the work bid upon and must maintain the license(s) throughout the duration of the Contract. License required for this work shall be B or (C38 and C61).

3. Schedule of shop drawings, submittals, and dimension verifications: The following groups of shop drawings and submittals are not all-inclusive and are supplemental to requirements found elsewhere in the Contract Documents. These submittals shall be delivered to the Construction Manager not later than the below listed dates:

a. #114000 – Food Service Equipment (Contractor Furnished Items Only)

Due: 14 Calendar Days after Notice to Proceed

b. All other contractual submittals

Due: 30 Calendar Days after Notice to Proceed

These due dates take precedence over other dates found elsewhere in the Contract Documents.

4. Prepare any coordination drawings required to show the interface between work provided by this Contract and others.

5. Procurement of Critical Long Lead Items: Prime Contractor shall be responsible to ensure that the following critical long lead items are delivered to the project site by the noted delivery date regardless of approval status.
6. Prime Contractor has included provisions to store equipment/material off-site until required installation date.
7. Schedule: Prime Contractor shall issue to the Construction Manager a detailed Construction Schedule for this trade's work as it pertains to this Project. The work shall proceed in accordance with the Master Construction Schedule issued with the Construction Documents. This schedule shall be modified from time to time in order to properly coordinate and sequence the work; however, the Prime Contractor is responsible to supply sufficient manpower, equipment and material necessary to ensure the duration of time established for the Prime Contractor's work is maintained as per the Construction.
8. Prime Contractor has reviewed the Project and is aware of existing conditions.
9. Provide flagmen as required. It is understood that the work will take place within an operating Campus and that the Prime Contractor is solely responsible to protect the public and maintain uninterrupted access to the campus by the general public. Provide all barricades, etc to achieve this. Perform during off-hours as required to avoid disruption of campus operations.
10. Comply with all City, County and State requirements, prepare haul route and obtain permits as required.
11. Prime Contractor will be responsible for collateral damage to areas or finishes not scheduled for demolition as a result of his operations.
12. CalOSHA compliant safety eye protection is required at all times for all personnel, workers, and visitors on the construction site in accordance with District Standards.
13. Include all work as referenced by notations: "by Concrete Contractor", "by General Contractor" (as it applies to the scope contained herein), or similar that may be noted throughout the entire set.
14. Prime Contractor shall provide protection of existing finishes to remain including installation and maintenance of dust and weather barrier.
15. It is understood that all scope inclusions contained in this bid package shall be provided by the Prime Contractor regardless of similar or identical inclusions found in other bid packages or trade contracts.
16. It is understood that the Trade Contractor Specific Provisions contained in the Contract Documents are a material element of this Contract and scope of work. It is specifically noted that the Prime Contractor shall be responsible for all requirements and clauses contained in these Trade Contractor Specific Provisions.

17. It is understood that all crane, trucks, concrete pumping equipment, wash outs, etc. must be staged within the project site boundaries. Prime Contractor must visit the site and prepare a pump plan prior to scheduling concrete pumping equipment
18. Provide, erect and dismantle all ladders and scaffolding required to perform work. Provide all required rigging and hoisting necessary to perform this scope of work. All lifts and material handling required to perform this scope of work shall be provided by the Concrete Contractor.
19. Prime Contractor shall maintain and record as-built information of his work in a current condition. The Prime Contractor shall transfer all as-built information onto the record set of drawings located at the Construction Manager's Field Office. All transferred information shall be neat, legible and in accordance with the guidelines set forth in the contract documents. Failure to provide as-built information in a timely manner will result in progress payments being withheld.
20. Daily clean-up of all debris related to the work of this Bid Package Contractor is required. All debris generated by this Bid Package Contractor shall be legally removed daily and disposed of off-site by this Bid Package Contractor. All Bid Package Contractors, while on site, will provide a clean-up laborer for 2 hours each week to be included in a weekly clean-up effort for the duration of the project. For bidding purposes, Prime Contractor shall provide a 2 hours of clean-up labor for 16 total weeks.
21. Directly coordinate with all subtrades/Primes as it relates to this scope of work. Verify dimensional requirements, locations, paths of travel, structural connections and required sleeving and/or penetrations. Coordinate precast connections, curtain wall systems, framing, MEP trades, window washing equipment, special equipment, interior finishes, etc. This coordination process shall occur prior to or concurrent with detailing to avoid conflicts and field coordination problems.
22. Prime Contractor shall supply all hoisting equipment, operators and support personnel necessary to safely erect and/or install all of the material or equipment included in this agreement.
23. Give 48-hour written notice to both Construction Manager and Inspector of Record prior to the initial start and all subsequent phases of shop fabrication.
24. Prime Contractor will have all required local and state licenses and certifications as to allow shop fabrication without deputy inspection. Prime Contractor's field welders will have all required licenses /certifications as required by the Contract Documents and Local Authorities. Where local/state welding requirements are more stringent than the specified welding requirements; the most stringent shall govern.
25. Prime Contractor is required to properly staff the Project to maintain the Project's schedule and to ensure proper sequencing with other prime Contractors as required by the Construction Manager.

26. This Prime Contractor acknowledges and includes the cost for all required off-hour, overtime and weekend work schedules as required to perform the work included in this contract and coordinate this contract work with all other related trades. This Prime contractor shall provide manpower and shift schedules (in advance of the actual work being performed) to the Construction Manager so that it can be analyzed against the Project's schedule requirements.
27. Provide all necessary protection for new work and adjacent finishes from Prime Contract work operations. Include steel plates, plywood, plastic and masking protection as required. Prime Contractor is responsible to maintain/repair/replace any temporary barricades that are moved or damaged by its work. Prime Contractor is responsible to protect all existing structures/MEPs/benchmarks/miscellaneous items as required by the Contract Documents during this Prime Contractor's work.
28. Prime Contractor acknowledges that space for storing materials within the worksite is limited. All delivery and storage of materials shall be scheduled and coordinated with the Construction Manager prior to shipping. Prime Contractor is responsible to assure that stocking of building materials does not overload the building structure or unreasonably impede the work of other trades. Prime Contractor shall promptly relocate stored and stockpiled materials when directed by Prime Contractor.
29. Prime Contractor is responsible to promptly remove from the project all surplus material and debris associated with its work.
30. Prime Contractor is responsible for scheduling and coordinating all deliveries required for this scope of work with the Construction Manager and other Prime Contractors. Prime Contractor to provide adequate flagmen, street closures, sidewalk closures, permits, traffic control, etc. for deliveries, transporting on site, pick-ups as required by the project schedule, specifications, job conditions and governing agencies within the jobsite limits.
31. Prime Contractor shall adhere to OSHA safety standards while on the project site and shall engage their designated safety professional to make periodic jobsite walks for safety compliance. Any noted issues or concerns shall be reported to Construction Manager's Superintendent at the time of visit. Prime Contractor is responsible to maintain/repair/replace any temporary barricades.
32. Prime Contractor acknowledges that parking space within the project boundaries is extremely limited. The only trucks in immediate use (Loading/Offloading, welding rigs, rigging, etc.) will be allowed to stage near work areas. Worker parking will be designated by the Construction Manager. Penalties for failure to comply with this requirement are the responsibility of the individual vehicle owner.
33. In the event of conflicts not clarified prior to bidding deadline, Prime Contractor shall assume the most stringent, higher quality and greater quantity of work for

bidding purposes. If Prime Contractor still requires clarification after awarded the project, Prime Contractor shall generate an RFI. If appropriate, a deductive change order shall be issued if the clarification results in a reduced scope.

34. Prime Contractor shall furnish and install all mock-ups required by specifications found within this Prime Contractor's scope.
35. Prime Contractor shall provide coordinated shop drawings to demonstrate this Prime Contractor has coordinated other wall devices and no obstructions will be present during installation. If this Prime Contractor fails to coordinate wall devices or penetrations prior to in-wall rough-in, Prime Contractor is responsible for compensating the associated MEP contractor to relocate the in-wall rough-in.
36. Prime contractor includes eighty (80) additional journeyman labor hours for miscellaneous kitchen equipment work. The Construction Manager/District may authorize the use of these hours only.
37. Prime Contractor shall include provisions to comply with all delegated-design submittal requirements found within their respective specification sections.

II. FOOD SERVICE INCLUSIONS: The following items are specifically included in the Reinforcing Steel scope of this Contract:

1. Prime Contractor shall include all scope referenced by 'KEC, K.E.C., Kitchen equipment contractor, kitchen contractor, food service contractor or any other reasonably similar reference to this Prime Contractor throughout the Plans, Specifications and Contract Documents.
2. Prime Contractor has reviewed Attachment L - DEHQ-FHD Approval and Conditions and shall comply with items #1, 8, 11 & 14.
3. Prime Contractor shall include provisions to execute scope, as shown in supplemental Appendix Z – Food Service Equipment Scope Matrix. In the event the plans or specification #114000 conflicts with the Appendix Z matrix and explicitly states a certain contractor shall provide or install specific scope, Prime Contractor shall assume the plans or specification #114000 governs. Appendix Z is meant to help clarify the involvement of multiple Prime Contractors for each specific kitchen equipment.
4. All hoisting for Contract work and material placement as required by schedule and access considerations.
5. All material shall be clean of all scale, rust, oils, dirt, foreign matter etc., immediately prior to concrete placement.
6. Prime Contractor includes coordination with other Prime Contractors for infrastructure of item this Prime Contractor installs and items that other Prime Contractors install but are associated with this Prime Contractor. Prime Contractor

shall include a minimum of ten (10) site visits specifically for coordinating with other Prime Contractors on-site.

7. Prime Contractor shall lead the kitchen equipment layout effort with other Prime Contractors. It is this Prime Contractor's responsibility to field-verify the kitchen equipment layout, and markout point of connection locations for other Prime Contractors that provide infrastructure to kitchen equipment.
8. Prime Contractor shall furnish and install the Ansul fire suppression system and the associated remote pull station. This includes contracting with a specific fire protection company and providing the necessary permit submittals, as applicable. Prime Contractor shall coordinate the infrastructure required for this system with the applicable Prime Contractor's responsible.

III. JOINT SEALANT INCLUSIONS: The following items are specifically included in the Asphalt Paving scope of this Contract:

1. Prime Contractor shall furnish and install ALL joint sealant/caulking at and around ALL kitchen equipment items, as listed on Orness Design Group's K-2 sheet.
2. Properly coordinate the sequence of work with the Construction Manager and all other related trades. Include move-ins as required by the Master Project Schedule.

IV. ALLOWANCES: The following allowances are included in this scope of work. The Construction Manager must agree to the price, type and extent of additional scope before work is started. Field tickets must be signed by Construction Manager's Superintendent on a daily basis to account for the time, material, and equipment used from these allowances. All time, material, and equipment used from these allowances will be billed against these allowances and any portion of the original allowance amount not used will be credited back to the Owner at the end of this Contract's scope of work as a deductive change order. This Article is separate and exclusive from all other Work required by the Contract.

- CN-2987 Allowance #1: Unforeseen Condition = \$5,000.00

V. ALTERNATES: N/A

VI. EXCLUSIONS:

- Reference the Scope of Work in this document and corresponding scoping attachments for further clarifications.

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APPENDIX Z - FOOD SERVICE EQUIPMENT SCOPE MATRIX

GHS Kitchen & Weight Room Project - Food Service Scope Matrix

CN-2987	Prime: Food Service Equipment
CN-2989	Prime: Plumbing
CN-2990	Prime: HVAC
CN-2991	Prime: Electrical
District	Owner Furnished

*Refer to K-2 Orness sheet, Specification #114000 & associated Scope of Work for further clarification. Coordinate backing with respective Prime Contractor. MEP Prime Contractors perform final utility connections of equipment, unless specifically noted otherwise - 'Installation by' column represents setting/anchoring equipment, NOT 'final utility connections'

Equipment Item #	Description	Furnished By	Infrastructure #1 (MEP-FA) By	Infrastructure #2 (MEP-FA) By	Installation By	Notes
1	MOP SINK, FLOOR MOUNTED (24"x24"x12")	CN-2989	CN-2989	N/A	CN-2989	
2	MOP SINK FAUCET	CN-2989	CN-2989	N/A	CN-2989	
3	RACK, BRUSH/BROOM	CN-2987	N/A	N/A	CN-2987	
4	WALL STORAGE WALL SHELF	CN-2987	N/A	N/A	CN-2987	
5	AIR CURTAIN	CN-2987	CN-2991	CN-2991	CN-2991	
6	EMPLOYEE LOCKERS	District	N/A	N/A	CN-2987	Coordinate lockers with Concrete Prime
7	WALK-IN FREEZER w/ LIGHTS	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
8	WALK-IN FREEZER EVAPORATOR COIL (FAN) W/KE2 CONTROL	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
9	WIRE SHELVING, FREESTANDING	District	N/A	N/A	CN-2987	
10	WALK-IN COOLER w/ LIGHTS	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
11	WALK-IN COOLER EVAPORATOR COIL (FAN) W/KE2 CONTROL	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
12	REFRIGERATION RACK	CN-2987	CN-2991	CN-2989	CN-2987	
13	CORNER GUARDS, L-SHAPE	CN-2987	N/A	N/A	CN-2987	
14	CORNER GUARDS, U-SHAPE	CN-2987	N/A	N/A	CN-2987	
15	SPARE NUMBER	N/A	N/A	N/A	N/A	
16	DRY SHELVING, FREESTANDING	District	N/A	N/A	CN-2987	
17	ICE MACHINES	CN-2987	CN-2991	CN-2989	CN-2987	Plumber & electrician make connections
18	BIN, ICE	CN-2987	CN-2989	N/A	CN-2987	
19	WATER FILTER, ICE	CN-2987	CN-2989	N/A	CN-2987	
19.1	BACKFLOW PREVENTOR	CN-2989	CN-2989	N/A	CN-2989	
20	HAND SINK, WALL MOUNT	CN-2987	CN-2989	N/A	CN-2989	
20.1	FAUCET, ELECTRIC	CN-2987	CN-2991	CN-2989	CN-2989	
21	INTELLIGATE WEB-BASED GATEWAY	N/A	N/A	N/A	N/A	
22	INTELLISENSOR FOR TEMPERATURE & DOOR	N/A	N/A	N/A	N/A	
23	SPARE NUMBER	N/A	N/A	N/A	N/A	
24	3 - COMPARTMENT SINK	CN-2987	CN-2989	N/A	CN-2989	
25	PRE-RINSE FAUCET, BACKSPASH MOUNT	CN-2987	CN-2989	N/A	CN-2989	
26	WALL STORAGE WALL SHELF	CN-2987	N/A	N/A	CN-2987	
27	POT RACK, STAINLESS STEEL	CN-2987	N/A	N/A	CN-2987	
28	WALL STORAGE WALL SHELF	CN-2987	N/A	N/A	CN-2987	
29	SOILED DISH TABLE w/ SCRAPPED SINK	CN-2987	CN-2989	N/A	CN-2989	
30	PRE-RINSE FAUCET, BACKSPASH MOUNT	CN-2987	CN-2989	N/A	CN-2989	
31	QUICK DRAIN	CN-2987	CN-2989	N/A	CN-2989	
32	WAREWASHER, DOOR TYPE, HIGH TEMP w/ BOOSTER	CN-2987	CN-2991	CN-2989	CN-2989	
33	TYPE-II STEAM EXHAUST HOOD	CN-2987	CN-2990	CN-2990	CN-2987	
34	EXHAUST FAN	CN-2990	CN-2990	CN-2991	CN-2990	
35	SPARE NUMBER	N/A	N/A	N/A	N/A	
36	DISH TABLE, CLEAN	CN-2987	N/A	N/A	CN-2987	
37	POT SHELVING, FREESTANDING	District	N/A	N/A	CN-2987	
38	SPARE NUMBER	N/A	N/A	N/A	N/A	
39	SPARE NUMBER	N/A	N/A	N/A	N/A	
40	SPARE NUMBER	N/A	N/A	N/A	N/A	
41	PREP TABLE w/ DOUBLE PREP SINK, ADA	CN-2987	CN-2989	N/A	CN-2989	
42	FAUCET	CN-2987	CN-2989	N/A	CN-2989	
43	WALL STORAGE WALL SHELF	CN-2988	N/A	N/A	CN-2987	
44	SPARE NUMBER	N/A	N/A	N/A	N/A	
45	INSULATED HOT CABINET, MOBILE	District	CN-2991	CN-2991	District	
46	ISLAND PREP TABLE w/ INTEGRAL PREP SINK	CN-2988	CN-2989	N/A	CN-2989	
47	FAUCET	CN-2988	CN-2989	N/A	CN-2989	
48	COMMERCIAL MICROWAVE OVEN	District	CN-2991	CN-2991	District	
49	RACK, PAN	District	District	District	District	
50	WORK TABLE	District	N/A	N/A	CN-2987	
51	COOK & HOLD QUIK THERM, MOBILE	District	CN-2991	CN-2991	District	
52	SPARE NUMBER	N/A	N/A	N/A	N/A	
53A	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
53B	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
54A	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
54B	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
55	TILTING SKILLET, GAS	District	CN-2991	CN-2989	CN-2989	
56	FLOOR TROUGH	CN-2987	CN-2989	N/A	CN-2989	
57	6-BURNER RANGE w/ CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
58	SPARE NUMBER	N/A	N/A	N/A	N/A	
59	SPARE NUMBER	N/A	N/A	N/A	N/A	
60	SPARE NUMBER	N/A	N/A	N/A	N/A	
61	TYPE-I GREASE EXHAUST HOOD w/ LIGHTS	CN-2987	CN-2990	CN-2991	CN-2987	
62	EXHAUST FAN	CN-2990	CN-2990	CN-2991	CN-2990	
63	MAKE-UP AIR	CN-2990	CN-2990	CN-2991	CN-2990	
64	STAINLESS STEEL WALL PANELS	CN-2987	N/A	N/A	CN-2987	
65	QUICK GAS DISCONNECT	CN-2987	CN-2989	N/A	CN-2989	
66	FIRE SUPPRESSION SYSTEM; ANSUL AUTOMAN	CN-2987	CN-2991	CN-2989	CN-2987	Electrical Prime has E+FA infrastructure to box microswitches and gas valve reset relay
67	REMOTE PULL STATION FOR FIRE SUPPRESSION SYSTEM	CN-2987	CN-2991	CN-2989	CN-2987	Electrician rough-in conduit. KEC has pull box & cables
68	K-TYPE FIRE EXTINGUISHER, RECESSED	CN-2987	N/A	N/A	CN-2987	
69	GAS SHUT OFF VALVE	CN-2987	CN-2989	N/A	CN-2989	Plumber installs shut-off valve. Electrician wires back to hood ansul cabinet
70	WALL MOUNTED CONTROL CABINET	CN-2987	CN-2990	CN-2989	CN-2990	
71	SPARE NUMBER	N/A	N/A	N/A	N/A	
72	SPARE NUMBER	N/A	N/A	N/A	N/A	
73	REFRIGERATOR, PASS-THRU	District	CN-2991	N/A	CN-2987	
74	CABINET, WARMING & HOLDING, PASS-THRU	District	CN-2991	N/A	CN-2987	
75	P.O.S. CART	District	N/A	N/A	CN-2987	
76	P.O.S. & CARD READER	District	CN-2991	CN-2991	District	
77	SERVING CART, COLD	District	CN-2991	N/A	CN-2987	
78	SERVING CART, HOT	District	CN-2991	N/A	CN-2987	
79	DOUBLE SIDED SNEEZE GUARD, SELF-SERVE	District	N/A	N/A	CN-2987	
80	SERVING CART, COLD	District	CN-2991	N/A	CN-2987	
81	MILK COOLER	District	CN-2991	N/A	CN-2987	
82	AIR CURTAIN	CN-2987	CN-2991	N/A	CN-2987	

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GROSSMONT UNION HIGH SCHOOL DISTRICT

GROSSMONT HS KITCHEN AND WEIGHT ROOM MULTI-PRIME

**ATTACHMENT H
BID PACKAGE**

CN-2988

**BLEACHERS AND PRESS
BOX**

**TRADE CONTRACTOR SPECIFIC PROVISIONS
BID PACKAGE—CN-2988
BLEACHERS AND PRESS BOX**

BLEACHERS AND PRESS BOX

The following clarifies certain inclusions, exclusions, and other information. This list is not inclusive of all work and is not limiting in any manner. This Exhibit shall supplement all General and Special Conditions in this Contract unless specifically noted herein to supersede them. This exhibit shall supersede all other conditions in the Contract and Contract Documents in the event of specific conflicts between the Documents.

I. **GENERAL REQUIREMENTS:** The following General Requirements apply to all work included in this Contract:

1. Full compliance and scope coverage with Specification Section(s):

- DIVISION 00
- DIVISION 01
- 03 20 00 – Concrete Reinforcing
- 03 30 00 – Cast-In-Place Concrete
- 05 12 00 – Structural Steel Framing
- 13 34 16 – Permanent Grandstands
- 31 22 00 – Grading
- 31 23 16 – Excavation

Full compliance and scope coverage with all other Project Scope and Specification Sections that interface with and require services related to this scope of work.

2. Prime Contractor and its subcontractors and/or lower tier contractors shall be a licensed contractor pursuant to the California Contractors License Law required for the performance of work in the appropriate classification(s) of contractor's license(s) for the work bid upon, and must maintain the license(s) throughout the duration of the Contract. License required for this work shall be A or B.

3. Schedule of shop drawings, submittals, and dimension verifications: The following groups of shop drawings and submittals are not all-inclusive and are supplemental to requirements found elsewhere in the Contract Documents. These submittals shall be delivered to the Construction Manager not later than the below listed dates:

a. Permanent Grandstands

Due: 10 Calendar Days after Preliminary Notice of Award

b. ALL other contractual submittals

Due: 30 Calendar Days after Notice to Proceed

These due dates take precedence over other dates found elsewhere in the Contract Documents.

4. Prepare any coordination drawings required to show the interface between work provided by this Contract and others.
5. Procurement of Critical Long Lead Items: Prime Contractor shall be responsible to ensure that the following critical long lead items are delivered to the project site by the noted delivery date regardless of approval status.
6. Prime Contractor has included provisions to store fabricated material off-site until required installation date.
7. Schedule: Prime Contractor shall issue to the Construction Manager a detailed Construction Schedule for this trade's work as it pertains to this Project. The work shall proceed in accordance with the Master Construction Schedule issued with the Construction Documents. This schedule shall be modified from time to time in order to properly coordinate and sequence the work; however, the Prime Contractor is responsible to supply sufficient manpower, equipment and material necessary to ensure the duration of time established for the Prime Contractor's work is maintained as per the Construction.
8. Prime Contractor has reviewed the Project and is aware of existing conditions.
9. Provide flagmen as required. It is understood that the work will take place within an operating Campus and that the Prime Contractor is solely responsible to protect the public and maintain uninterrupted access to the campus by the general public. Provide all barricades, etc to achieve this. Perform during off-hours as required to avoid disruption of campus operations.
10. Comply with all City, County and State requirements, prepare haul route and obtain permits as required.
11. Prime Contractor will be responsible for collateral damage to areas or finishes not scheduled for demolition as a result of his operations.
12. CalOSHA compliant safety eye protection is required at all times for all personnel, workers, and visitors on the construction site in accordance with District Standards.
13. Include all work as referenced by notations: "by Grandstand Bleacher Contractor", "by General Contractor" (as it applies to the scope contained herein), or similar that may be noted throughout the entire set.
14. Prime Contractor shall provide protection of existing finishes to remain including installation and maintenance of dust and weather barrier.
15. It is understood that all scope inclusions contained in this bid package shall be provided by the Prime Contractor regardless of similar or identical inclusions found in other bid packages or trade contracts.

16. It is understood that the Trade Contractor Specific Provisions contained in the Contract Documents are a material element of this Contract and scope of work. It is specifically noted that the Prime Contractor shall be responsible for all requirements and clauses contained in these Trade Contractor Specific Provisions.
17. It is understood that all cranes, trucks, concrete pumping equipment, wash outs, welding equipment, hoisting equipment, access equipment, etc. must be staged within the project site boundaries. Prime Contractor must visit the site and prepare an access plan, erection plan, pump plan etc., prior to scheduling scope of work.
18. Provide, erect and dismantle all ladders and scaffolding required to perform work. Provide all required rigging and hoisting necessary to perform this scope of work. All lifts and material handling required to perform this scope of work shall be provided by the Grandstand Bleacher Contractor.
19. Prime Contractor shall maintain and record as-built information of his work in a current condition. The Prime Contractor shall transfer all as-built information onto the record set of drawings located at the Construction Manager's Field Office. All transferred information shall be neat, legible and in accordance with the guidelines set forth in the contract documents. Failure to provide as-built information in a timely manner will result in progress payments being withheld.
20. Daily clean-up of all debris related to the Work of this Prime Contractor is required. All debris generated by this Prime Contractor shall be legally removed daily and disposed of offsite by this Prime Contractor. All Contractors, while on site, will provide a clean-up laborer to be included in the weekly clean-up effort. For bidding purposes, Prime Contractor shall provide 2 hours of clean-up per week for 12 total weeks.
21. Directly coordinate with all subtrades/Primes as it relates to this scope of work. Verify dimensional requirements, locations, paths of travel, structural connections and required sleeving and/or penetrations. This coordination process shall occur prior to or concurrent with detailing to avoid conflicts and field coordination problems.
22. Prime Contractor shall supply all hoisting equipment, operators and support personnel necessary to safely erect and/or install all of the material or equipment included in this agreement.
23. Give 48-hour written notice to both Construction Manager and Inspector of Record prior to the initial start and all subsequent phases of shop fabrication.
24. Prime Contractor will have all required local and state licenses and certifications as to allow shop fabrication without deputy inspection. Prime Contractor's field welders will have all required licenses /certifications as required by the Contract Documents and Local Authorities. Where local/state welding requirements are more stringent than the specified welding requirements; the most stringent shall govern.

25. Prime Contractor is required to properly staff the Project to maintain the Project's schedule and to ensure proper sequencing with other prime Contractors as required by the Construction Manager.
26. This Prime Contractor acknowledges and includes the cost for all required off-hour, overtime and weekend work schedules as required to perform the work included in this contract and coordinate this contract work with all other related trades. This Prime contractor shall provide manpower and shift schedules (in advance of the actual work being performed) to the Construction Manager so that it can be analyzed against the Project's schedule requirements.
27. Prime Contractor is responsible to provide all layout for its work from survey control points and lines, including all building/structure corners, grid lines, offsets, elevations, etc.
28. Prime Contractor acknowledges that space for storing materials within the worksite is limited. All delivery and storage of materials shall be scheduled and coordinated with the Construction Manager prior to shipping. Prime Contractor is responsible to assure that stocking of building materials does not overload the building structure or unreasonably impede the work of other trades. Prime Contractor shall promptly relocate stored and stockpiled materials when directed by Prime Contractor.
29. Prime Contractor is responsible to promptly remove from the project all surplus material and debris associated with its work.
30. Prime Contractor is responsible for scheduling and coordinating all deliveries required for this scope of work with the Construction Manager and other Prime Contractors. Prime Contractor to provide adequate flagmen, street closures, sidewalk closures, permits, traffic control, etc. for deliveries, transporting on site, pick-ups as required by the project schedule, specifications, job conditions and governing agencies within the jobsite limits.
31. Prime Contractor shall adhere to OSHA safety standards while on the project site and shall engage their designated safety professional to make periodic jobsite walks for safety compliance. Any noted issues or concerns shall be reported to Construction Manager's Superintendent at the time of visit. Prime Contractor is responsible to maintain/repair/replace any temporary barricades.
32. Prime Contractor acknowledges that parking space within the project boundaries is extremely limited. The only trucks in immediate use (Loading/Offloading, welding rigs, rigging, etc.) will be allowed to stage near work areas. Worker parking will be designated by the Construction Manager. Penalties for failure to comply with this requirement are the responsibility of the individual vehicle owner.
33. In the event of conflicts not clarified prior to bidding deadline, Prime Contractor shall assume the most stringent, higher quality and greater quantity of work for

bidding purposes. If Prime Contractor still requires clarification after awarded the project, Prime Contractor shall generate an RFI. If appropriate, a deductive change order shall be issued if the clarification results in a reduced scope.

34. Prime Contractor shall furnish and install all mock-ups required by specifications found within this Prime Contractor's scope.
35. Prime Contractor shall include provisions to comply with all delegated-design submittal requirements found within their respective specification sections.
36. Prime Contractor understands that parking will not be permitted within the limits of work, staff parking, student parking or public parking spaces on campus, unless specifically allowed in the Contract Documents or agreed upon by the District. Prime Contractor acknowledges that food trucks are prohibited from entry to the construction limits of work and Grossmont High School campus. This General Requirement supersedes parking provisions outlined elsewhere in the Contract Documents.
37. Prime Contractor includes one hundred and twenty (120) additional journeyman labor hours for miscellaneous work. The Construction Manager/District may authorize the use of these hours

II. BLEACHERS & PRESS BOX INCLUSIONS: The following items are specifically included in the Bleacher & Press Box scope of this Contract:

1. Prime Contractor to furnish and install all grandstand bleacher steel, aluminum components, seats, ramps, railings, handrails, guardrails, gusset plates, stairs, facades, platforms, chain-link, anchors, hardware, press box, signage, reinforcement, concrete footings & piers, painting, roof hatch assist, countertops, countertop supports and any other scope shown in Attachment K – Bleacher Plans and Specifications.

III. STRUCTURAL CONCRETE & REINFORCEMENT INCLUSIONS: The following items are specifically included in the Structural Concrete scope of this Contract:

1. Furnish and install all Structural/CIP Concrete
2. Obtain and pay for all concrete mix designs required for project. Mix designs shall comply with all Contract Document requirements.
3. Directly coordinate with all trades that require sleeves in concrete work. Verify dimensions, locations and special requirements of openings, penetrations, sleeves, and blockouts in concrete work with other trades prior to pours. Install sleeves and block-outs and infill later.
4. It is the responsibility of this Prime Contractor to coordinate and schedule all required testing and inspections for this scope of work. Construction Manager shall be notified of any and all such inspections and tests. Costs of inspection and testing will be by other except for re-inspection or premium time costs.

5. This Prime Contractor is responsible for:
 - b. Controlling dust during work operations.
 - c. Ensuring all work areas are adequately drained and bermed to prevent inundation by surface water.
 - d. Protecting designated areas or items from damage by work operations.
 - e. Flagmen, barricades, traffic control during work operations.
6. Grading: Grandstand and Metal Press Box Contractor shall accept Grandstand bleachers and Press Box pads and rough grading from Earthwork Contractor at +/- 0.5'. Prime Contractor will be responsible to provide all cut and fill (to balance) required to bring the Grandstand bleacher site and immediately surrounding site to final subgrades. Prime Contractor includes removal of their own spoils generated
7. All spoils generated by the work included in this Contract shall be removed from the site and disposed of in a legal manner by this Prime Contractor.
8. Include all necessary fine grading under and surrounding all concrete work.
9. Immediately and continuously de-water and pump out to appropriate drainage receptacle; all footings, pits, structural excavations, etc., as required by water ponding and weather conditions. Automatic pumps shall be used during all off-hour periods of construction. Immediately clean, "muck-out", remove soft/muddy soils from all foundation and pit excavations as required by Inspector or Soils Engineer so that work may continue. If required, remove/replace formwork, reinforcing steel, embeds, etc., as required to clean out foundations/pits.
10. Clean out of all concrete conveying equipment shall be performed at a location designated by the Construction Manager. Remove all debris, form materials, surplus materials, concrete, etc. from the site at regular intervals determined by Construction Manager. Protect all storm drains from contamination. Provide a SWPPP compliant contained washout area.
11. Provide and maintain rebar protection in accordance with CalOSHA approved methods.
12. Pre-saturate soils (if required).
13. Furnish and install all structural steel, decking, railings, stairs/ steps, treads, risers, and ramps for the permanent steel grandstand.
14. Grout/dry-pack under structural steel columns, base plates, etc.
15. Prime Contractor includes power washing all of its scope once completed.
16. Prime Contractor has included multiple mobilizations to achieve the requirements of the contract. For bidding purposes, include four (4) mobilizations. A mobilization is defined as removal and return of equipment and materials. A crew leaving the site is not a demobilization.

17. Prime Contractor to furnish and install all reinforcing steel and related accessories for concrete foundations.
18. All handling and off-loading of materials.
19. All hoisting for Contract work and material placement as required by schedule and access considerations.
20. Coordinate all shop fabrication / field inspection. (Costs of inspection by others.) Become completely familiar with testing requirements and coordination of mill certificates, labeling, tagging, and stamping of steel during the fabrication process, shipment to jobsite and erection. No unidentified steel shall be used. All steel will have mill certifications and be properly identified (source, heat or melt number, etc.). If required, the Inspection Firm will take steel samples and will perform destructive tests. Accordingly, purchase steel in such quantity, length, size, etc. to allow steel samples to be taken from the actual elements to be used in construction. Coordinate this "couponing" of the steel and provide the samples required by the Testing Laboratory. Provide adequate access for Inspectors to all elements of work. Means of access include ladders, lifts, scaffolds, etc. Costs for re-inspection of any work as a result of previous failed inspection will be the responsibility of this Prime Contractor.
21. Coordinate locations/placement of all reinforcing with all other building elements i.e., structural steel, embeds for other trades, electrical work, blockouts, sleeves, forming systems, etc. reposition reinforcing as required to provide proper clearances.
22. All material shall be clean of all scale, rust, oils, dirt, foreign matter etc., immediately prior to concrete placement.
23. Directly coordinate with the Construction Manager and for all schedule and specific job requirements, as follows:
 - a. Delivery, stockpiling, staging and distribution of materials.
 - b. Minor revisions in fabrication and dimensions to reinforcing steel/mesh due to actual field conditions, stepped footings, elevation changes, etc.
26. Remove all surplus reinforcing materials and debris from Project as directed by the Construction Manager.
27. Furnish, install, and maintain rebar dowel protectors in accordance with OSHA requirements.
28. Straighten/replace rebar/mesh that is temporarily removed, bent, and/or adjusted by other trades.
24. Welding of reinforcing steel as required per the Contract Documents. Welders must be certified by applicable organizations. Welding Certificates shall be furnished to Construction Manager as required per Specifications

IV. ALLOWANCES: The following allowances are included in this scope of work. The Construction Manager must agree to the price, type and extent of additional scope before work is started. Field tickets must be signed by Construction Manager's Superintendent on a daily basis to account for the time, material, and equipment used from these allowances. All time, material, and equipment used from these allowances will be billed against these allowances and any portion of the original allowance amount not used will be credited back to the Owner at the end of this Contract's scope of work as a deductive change order. This Article is separate and exclusive from all other Work required by the Contract.

- CN-2988 Allowance #1: Unforeseen Condition= \$15,000.00

V. EXCLUSIONS: N/A

- Demolition of existing grandstands and press box (Demo Prime Contractor)
- Rough grading of grandstand site (Demo Prime Contractor)
- Asphalt paving (Structural/Site Concrete Prime Contractor)
- Concrete paving (Structural/Site Concrete Prime Contractor)

GROSSMONT UNION HIGH SCHOOL DISTRICT

GROSSMONT HS KITCHEN AND WEIGHT ROOM MULTI-PRIME

**ATTACHMENT H
BID PACKAGE**

CN-2989

**PLUMBING AND SITE
UTILITIES**

**TRADE CONTRACTOR SPECIFIC PROVISIONS
BID PACKAGE: CN-2989
PLUMBING AND SITE UTILITIES**

PLUMBING AND SITE UTILITIES

The following clarifies certain inclusions, exclusions, and other information. This list is not inclusive of all work and is not limiting in any manner. This Exhibit shall supplement all General and Special Conditions in this Contract unless specifically noted herein to supersede them. This exhibit shall supersede all other conditions in the Contract and Contract Documents in the event of specific conflicts between the Documents.

I. **GENERAL REQUIREMENTS:** The following General Requirements apply to all work included in this contract:

1. Full compliance and scope coverage with Specification Section(s):

- DIVISION 00
- DIVISION 01
- 07 92 00 – Joint Sealants
- 08 31 00 – Access Doors (For this Prime Only)
- 11 40 00 – Foodservice Equipment (For this Prime Only)
- DIVISION 22 – In its entirety
- 23 11 23 – Facility Natural Gas Piping
- 23 51 23 – Gas Vents
- 31 23 16.13 – Trenching (For this Prime Only)
- 31 23 23 – Fill (For this Prime Only)
- 33 01 10.58 – Disinfecting of Site Water Distribution Piping
- 33 05 43 – Corrosion Protection
- 33 14 16 – Site Water Distribution Piping
- 33 31 13 – Site Sanitary Sewer Piping
- 33 42 11 – Stormwater Gravity Piping
- 33 42 30 – Stormwater Drains

Full compliance and scope coverage with all other Project Scope and Specification Sections that interface with and require services related to this scope of work.

2. Prime Contractor shall have a current California Contractor's License Classification as listed on the Notice to Bidders and shall keep same current through-out the duration of the project. License required for this work shall be A, or B, or (C34 and C36).

3. Schedule of shop drawings, submittals, and dimension verifications: The following groups of shop drawings and submittals are not all-inclusive and are supplemental to requirements found elsewhere in the documents. These submittals shall be delivered to the Project Manager not later than the below listed dates:

a. #223300 – Electric, Domestic Water-Heaters

Due: 15 Calendar Days after Notice to Proceed

b. #223400 – Fuel-Fired, Domestic Water-Heaters

Due: 15 Calendar Days after Notice to Proceed

c. #224100 – Commercial Plumbing Fixtures

Due: 15 Calendar Days after Notice to Proceed

d. #224213.13 – Commercial Water Closets

Due: 15 Calendar Days after Notice to Proceed

e. #224213.16 – Commercial Urinals

Due: 15 Calendar Days after Notice to Proceed

f. #224216.13 – Commercial Lavatories

Due: 15 Calendar Days after Notice to Proceed

g. #224216.16 – Commercial Sinks

Due: 15 Calendar Days after Notice to Proceed

h. #224713 – Drinking Fountains

Due: 20 Calendar Days after Notice to Proceed

i. Division 33 Submittals

Due: 15 Calendar Days after Notice to Proceed

j. ALL Remaining Contractual Submittals

Due: 30 Calendar Days after Notice to Proceed

These due dates take precedence over other dates found elsewhere in the Contract Documents.

4. Prepare any coordination drawings required to show the interface between work provided by this contract and others. This includes but is not limited to:
 - a. Plumbing Equipment Layout Drawings
 - b. Above Ceiling Coordination Drawings
 - c. Through Wall Piping Penetration Drawings
 - d. Underground Piping Coordination Drawings
 - e. Equipment or Mechanical Room Layout Coordination Drawings

5. Procurement of Critical Long Lead Items: Prime Contractor shall be responsible to ensure that critical long lead items are delivered to the project site as required to meet the Master Project Schedule.
6. Prime Contractor has included the costs for off site storage of project materials.
7. Schedule: Prime Contractor shall issue to the Construction Manager a detailed Construction Schedule for this trade's work as it pertains to this Project. The work shall proceed in accordance with the Master Construction Schedule issued with the Construction Documents. This schedule shall be modified from time to time in order to properly coordinate and sequence the work; however, the Prime Contractor is responsible to supply sufficient manpower, equipment and material necessary to ensure the duration of time established for the Prime Contractor's work is maintained as per the Construction.
8. Prime Contractor has reviewed the Project and is aware of existing conditions.
9. Prime Contractor has reviewed the on-site soils conditions and fully understands and acknowledges the quality of the existing soil. For bidding purposes Prime Contractor shall include export of all excavated soils and import of select material for fill and backfill in complete compliance with the Contract Documents for all existing utility backfill and grading areas. Include haul-off and disposal of all debris, existing fill materials, spoils and surplus soil/cobbles/boulders. Prime Contractor includes industry standard equipment or equipment recommended to perform the work described in the Geotechnical Report. Prime Contractor acknowledges the presence of cobble, gravel, and Stadium Conglomerate and includes provisions for removal, as necessary to complete this Prime Contractor's scope. Provisions for removal include, but are not limited to screening, breaking, utilizing appropriate heavy equipment, etc. Prime Contractor has reviewed the boring logs and acknowledges the presence of concrete sections beneath asphalt paving. Prime Contractor shall assume concrete identified in boring data to be present in a minimum of two hundred (200) square feet surrounding the associated boring location.
10. Provide flagmen as required. It is understood that the work will take place within an operating Campus and that the Prime Contractor is solely responsible to protect the public and maintain uninterrupted access to the campus by the general public. Provide all barricades, etc to achieve this. Perform during off-hours as required to avoid disruption of campus operations.
11. Any required utility shutdowns shall be coordinated with the Construction Manager and the District 14 days in advance. It is understood that the operations of a functioning campus shall not be interrupted. Therefore, shutdowns may need to occur after hours and on weekends. Prime Contractor has included the costs for this off-hour work.
12. Prime Contractor will be responsible for collateral damage to areas or finishes not scheduled for demolition as a result of their operations.

13. Include all work as referenced by notations: “by Plumbing or Utility Contractor,” or similar notations that may be noted throughout the entire set.
14. It is understood that all scope inclusions contained in this bid package shall be provided by the Prime Contractor regardless of similar or identical inclusions found in other bid packages or trade contracts.
15. It is understood that the Trade Contractor Specific Provisions contained in the contract documents are a material element of this Contract and scope of work. It is specifically noted that the Prime Contractor shall be responsible for all requirements and clauses contained in the Trade Contractor Specific Provisions
16. Prime Contractor shall maintain and record as-built information of his work in a current condition. The Prime Contractor shall transfer all as-built information onto the record set of drawings located at the Construction Manager’s Field Office. All transferred information shall be neat, legible and in accordance with the guidelines set forth in the contract documents. Failure to provide as-built information in a timely manner will result in progress payments being withheld.
17. Properly coordinate the locations and dimensional requirements (including specific dimensions shown on the plans) of all contract work items with all other trade work items so that conflicts, incorrect locations, inadequate space/clearance, and similar types of circumstances are avoided. Prime Contractor shall verify that all work items will fit within the designed wall cavities, ceiling spaces, furred areas, etc., before any affected building elements are constructed (i.e. foundations, slab on grade, elevated deck, etc.
18. This Prime contractor acknowledges and includes the cost for all required off-hour, overtime and weekend work schedules as required to perform the work included in this contract and also coordinate this contract work with all other related trades. This contractor shall provide manpower and shift schedules (in advance of the actual work being performed) to the Construction Manager so that it can be analyzed against the Project’s schedule requirements.
19. Prime Contractor is required to properly staff the Project to maintain the Project’s schedule and to ensure proper sequencing with other Prime Contractors as required by the Construction Manager.
20. Prime Contractor is responsible to provide all layout for its work from survey control points and lines, including all building corners, grid lines, offsets, elevations, etc.
21. Provide all necessary protection for new work and adjacent finishes from Prime Contract work operations. Include steel plates, plywood, plastic and masking protection as required. Prime Contractor is responsible to maintain/repair/replace any temporary barricades that are moved or damaged by its work. Prime Contractor is responsible to protect all existing structures/MEPs/benchmarks/miscellaneous items as required by the Contract Documents during this Prime Contractor’s work.

22. Prime Contractor acknowledges that space for storing materials within the worksite is limited. All delivery and storage of materials shall be scheduled and coordinated with the Construction Manager prior to shipping. Prime Contractor is responsible to assure that stocking of building materials does not overload the building structure or unreasonably impede the work of other trades. Prime Contractor shall promptly relocate stored and stockpiled materials when directed by Prime Contractor.
23. Prime Contractor is responsible to promptly remove from the project all surplus material and debris associated with its work.
24. Prime Contractor is responsible for scheduling and coordinating all deliveries required for this scope of work with the Construction Manager and other Prime Contractors. Prime Contractor to provide adequate flagmen, street closures, sidewalk closures, permits, traffic control, etc. for deliveries, transporting on site, pick-ups as required by the project schedule, specifications, job conditions and governing agencies within the jobsite limits.
25. Prime Contractor shall adhere to OSHA safety standards while on the project site and shall engage their designated safety professional to make periodic jobsite walks for safety compliance. Any noted issues or concerns shall be reported to Construction Manager's Superintendent at the time of visit. Prime Contractor is responsible to maintain/repair/replace any temporary barricades.
26. The general site wide storm water pollution prevention plan (SWPPP) will be prepared and implemented by others. Prime Contractor shall assume full responsibility to replace any broken sandbags or any other SWPPP type materials damaged by this Prime Contractor during the course of this Subcontractors work.
27. Prime Contractor acknowledges that parking space within the project boundaries is extremely limited. The only trucks in immediate use (Loading/Offloading, welding rigs, rigging, etc.) will be allowed to stage near work areas. Worker parking will be designated by the Construction Manager. Penalties for failure to comply with this requirement are the responsibility of the individual vehicle owner.
28. In the event of conflicts not clarified prior to bidding deadline, Prime Contractor shall assume the most stringent, higher quality and greater quantity of work for bidding purposes. If Prime Contractor still requires clarification after awarded the project, Prime Contractor shall generate an RFI. If appropriate, a deductive change order shall be issued if the clarification results in a reduced scope.
29. Prime Contractor shall furnish and install all mock-ups required by specifications found within this Prime Contractor's scope.

30. Prime Contractor shall include provisions to comply with all delegated-design submittal requirements found within their respective specification sections.
31. Prime Contractor understands that parking will not be permitted within the limits of work, staff parking, student parking or public parking spaces on campus, unless specifically allowed in the Contract Documents or agreed upon by the District. Prime Contractor acknowledges that food trucks are prohibited from entry to the construction limits of work and Valhalla High School campus. This General Requirement supersedes parking provisions outlined elsewhere in the Contract Documents.
32. Perform all coring and sleeving (as required by actual Project requirements) for all contract work. If required, include proper types of steel sleeves at penetrations. Prime Contractor includes X-ray or pachometer investigation before coring into concrete.
33. Provide Fire, Smoke, Sound and/or Architectural caulking and sealants at all plumbing penetrations as required by the contract documents. The intent of this general inclusion is for each Prime Trade Contractor to be responsible for their own penetrations as it relates to their scope of work.
34. Furnish and install all necessary Unistrut, angles, channels, brackets, backing, threaded rod, miscellaneous steel fasteners, etc. as required to install all fixtures and piping work included in this contract, including seismic supports and sway bracing. All work shall comply with applicable codes and Contract Documents.
35. Furnish and install proper support under piping and similar items that run horizontally on the roof membrane.
36. Furnish and install all items as required to properly seal all piping penetrations on the roof. Each piping penetration shall be a minimum of 18" from raised platforms, curbs, and adjacent penetrations. Roof penetrations shall not interfere with the operation or servicing of equipment (i.e. piping shall not be located in front of equipment access doors).
37. The locations, configuration, sizes and height of roof penetrations shall be fully compatible with the type of roof system and manufacturer's warranty. The Roofing contractor shall approve all such items prior to installation. The design, proper sequence and installation of jacks, flashings, and drains shall be coordinated with the installation of the roofing system. The height of all penetrations shall be a minimum of 8" above the highest point of the finished roof surface. Overall dimensions must be based on the thickness of the insulating concrete fill system, rigid insulation, etc., as applicable.
38. Verify the exact location and finish height of each floor and deck drain in the interior rooms and exterior areas of the building before installation. Each drain shall be fully compatible and appropriate with the waterproofing systems and

thickness of the composite floor materials. The location of the drains shall be placed properly, symmetrically and as required to avoid conflict with all other building components (i.e. toilet partitions, etc.)

39. All equipment, fixtures, piping and work including installation shall fully comply with the current handicap codes (even if contrary to the Contract Documents and submittal approvals by the Engineer). Prime Contractor shall request specific written direction from the Construction Manager before proceeding with any work that is non-compliant.
40. Furnish and coordinate all plumbing fixture and equipment templates for cutouts in cabinetry and all other building components as applicable.
41. Include all excavation and backfill work as required for systems included in this contract. All excavation, bedding materials, backfill and compaction shall be pursuant to requirements of specifications, drawings, and this exhibit. All areas of excavation shall be returned to existing grades upon completion of work. Include handwork/grading around piping, vaults, etc. Haul from the site all spoils generated by the work included in this Contract.
42. Include all sawcutting, coring, minor demolition, and removal of debris from the site as required to install the Contract work in areas required by the Contract Documents. **In all cases, this Prime contractor shall properly layout and review the extent of all such work with Construction Manager prior to start of any work.** This specifically includes any sidewalk/fireroad removals as required. Sawcut to the nearest joint. Remove all debris from site.
43. Furnish and install specified labeling, stenciling, tagging and identification of work included in this Contract. This includes all heat trace cable and detection tape required by the plumbing contract documents and/or building codes; whichever is more stringent.
44. Furnish and install all access doors required for plumbing work. The proper type and finish of architectural access doors shall be provided. The type and finish may or may not be specifically listed in the plumbing and/or architectural specification sections. Prime Contractor to assume stainless steel access doors in bathroom walls. Coordinate all openings with the respective Prime contractors (i.e. framing, acoustic ceiling, etc.) The Framing Contractor shall provide the openings in the framing systems. Prime Contractor understands that the intent is to use one manufacturer for all exposed interior access doors.
45. The water piping system within the building shall be energized at all times during installation of drywall.
46. Properly secure all sleeves, work and fixtures that are cast into concrete work so that movement does not occur during placement. Verify proper location and placement before concrete placement.

47. This Prime contractor shall provide manpower and shift schedules (in advance of the actual work being performed) to the Construction Manager so that it can be analyzed against the Project's schedule requirements.
48. All piping diagrams and plumbing plans are schematic in nature only and actual routing of piping will vary due to actual job conditions. Include all necessary relocations and re-routing as required for a complete and functional system. Piping should be expected to be relocated up to 10' in order to avoid obstructions. Prime Contractor to install scope of work in accordance with the coordinated drawings/files. Any deviations that affect other systems shall require approval of the design team prior to installation.
49. Provide, erect and dismantle all ladders and scaffolding required to perform work. Provide all required rigging and hoisting necessary to perform this scope of work. All lifts and material handling required to perform this scope of work shall be provided by the Plumbing contractor.
50. Finish Prime Contractor includes all in-wall flat-strap backing and rough carpentry Prime Contractor includes all in-wall and above ceiling structural wood-framed backing. Prime Contractor shall coordinate accordingly and layout backing where required for this Prime Contractor's scope.
51. Daily clean-up of all debris related to the Work of this Prime Contractor is required. All debris generated by this Prime Contractor shall be legally removed daily and disposed of offsite by this Prime Contractor. All Prime Contractors, while on site, will provide a clean-up laborer to be included in the weekly clean-up effort for the duration of the project. For bidding purposes, Prime Contractor shall provide a 2 hours of clean-up labor for 54 total weeks.

III. PLUMBING INCLUSIONS: The following items are specifically included in the Plumbing scope of this Contract:

1. All Plumbing work shown on the Plumbing Drawings. Scope includes but is not limited to: building and domestic water, sanitary sewer and vent, storm drain, gas, water heaters, roof, overflow and area drains, drinking fountains, hose bibs, condensate drain systems, water closets, urinals, lavatories, sinks, mop sinks, eyewashes, floor drains, PRVs, piping insulation, all other plumbing fixtures, accessories, and equipment required by the Contract Documents.

Scope includes complete **site** gas system including regulators, etc, per the Civil and Plumbing Drawings.
2. Provide temporary water as follows:
 - a. Provide 2 each hose bibs to be located onsite as directed by Construction Manager. Connect to nearest water source and remove when directed by Construction Manager.
 - b. Provide hydrometer at closest hydrant for 16 months. Water usage cost to be paid by others. Prime Contractor includes coordination with Water District.
3. Furnish and install all site and building natural gas work. Include a pressure

regulator and an earthquake valve as required by code and the Contract Documents.

4. Furnish and install roof drain/overflow drain. Connect to site storm drain system. Prime Contractor to include all roof drain components, including but not limited to drain body, frame and drain dome cover, per the Contract Documents. Prime Contractor includes coordination of roof drain installation sequence as it relates to roofing. Prime Contractor includes roof drain removal and temporary protection at all roof drains called out to be removed and replaced.
5. Provide vibration isolators and steel support rails for plumbing equipment.
6. Provide concrete anchors, thrust blocks and encasement for underground piping as required.
7. Furnish and install protective insulation and covering over all exposed fixture piping and valves as required by the Contract Documents.
8. Fully coordinate the locations and installation of all drains located within the building with the Structural Steel and Sheet Metal/Finishes Contractors. All drain leader piping shall be routed within the wall cavities.
9. Furnish and install drain pans and associated piping at the water heaters.
10. Furnish and install all waste line clean-outs as required by code, the Contract Documents and as required to provide proper access to all points of the system. Clean-outs shall be located in a manner that does not interfere with any building components and at inconspicuous locations. Floor clean-outs shall not be located in marble, tile or wood floors nor shall wall clean-outs be located in public side of walls. Exterior clean-outs shall not be installed in paved areas without consent of Construction Manager. Exterior clean-outs shall be installed in landscape areas whenever possible.
11. All plumbing fixtures and drains shall be adequately protected so that no foreign matter can enter. Additionally, protect so that they cannot be used prior to building occupancy.
12. Clean out and flow test all lines prior to project completion. Upon project completion and when directed by the Construction Manager, flush all drains, remove and clean all filters, strainers, etc.
13. Provide final connections to existing services, new equipment and work supplied under this contract and equipment supplied by others as defined by the Contract Documents.
14. Furnish and install water heater platforms/and other equipment supports as required by the Contract Documents.
15. Properly flush and sterilize the new domestic water piping system.

Disconnect/reconnect water mains at meters as required to charge system with chemicals. Provide chlorinating certificates at completion of all testing. Properly flush all faucets (without strainers installed) fixture supply valves, toilet flush valves, etc.

16. Provide bacteria testing upon completion of work.
17. Polish all floor drain covers at conclusion of Project.
18. Isolate any piping through concrete floors as required to prevent contact with concrete. Properly support all pipes below decks as required.
19. Coordinate with Structural drawings for all piping installed below grade.
20. Locate all valves as required for ease of accessibility. Coordinate with all work by other trades. Relocate valves as required if not easily accessible.
21. Design/Engineer all supports, hangers, bracing, etc. for ceiling and wall mounted plumbing items. Provide engineered shop drawings for approval by the Architect/Engineer. Reference associated specification requirements for further clarification.
22. If required, Prime Contractor will be required to utilize trapeze type supports to bridge under obstruction.
23. Provide complete equipment layout drawings for all work provided by this Prime Contractor as required to ensure all equipment will fit in designed areas. Provide all additional supports, mounting/anchorage systems, to comply with this requirement.
24. Install all work within casework as required to conceal piping to the maximum extent possible.
25. All exterior bolts install through Sheet Metal pad covers shall be set in mastic and have waterproof seal.
26. Connect condensate drains and secondary drains. Prime Contractor shall coordinate with HVAC Prime Contractor for manufacturer requirements on condensate drain discharge. If plumbing and mechanical plans do not explicitly shown where condensate shall be discharged from RTUs/DCUs, Prime Contractor shall assume condensate routes and discharges to the nearest mop sink in the same building.
27. All below slab piping rough in shall be installed below subgrade. (i.e. below gravel and sand base).
28. Furnish and install all catch basins, area drains and trench drains. Prime Contractor shall set the fixture to designed grade and make the final tie-in/connection.

29. All Prime Contractors are responsible for covering of roof openings for a weather tight system prior to rain and rain clean-up. Prime Contractor to consider the allotted rain days in the project schedule for budgeting purposes.
30. Reference the Site Utility plans for the point of connections. Extend piping to diagrammatic locations of POCs.
31. Label all piping per specifications and applicable building codes.
32. Furnish and install all supports for plumbing and plumbing equipment.
33. Furnish and install all rooftop flashing for plumbing work.
34. Provide concrete anchors, thrust blocks and encasement for underground piping as required.
35. Include wrapping of below grade pipe per Contract Documents.
36. Include all mixing valves.
37. Furnish and install all Unistrut, angles, channels, brackets, backing, threaded rod, miscellaneous steel fasteners, etc. as required to install all fixtures and piping work included in this subcontract, including seismic supports and sway bracing. All work shall comply with applicable codes and Contract Documents.
38. Prime Contractor includes plumbing safe-off and demolition coordination per the following: Properly identify and make safe all existing plumbing services as required to facilitate the demolition (including a mark-out job-walk) and/or retrofit work within the scope of the Project. Clearly identify all equipment and fixtures scheduled to be demolished for removal by the demolition contractor. Lay out the extents of the demolition. If there is equipment or fixtures that should have been demolished and were not properly identified by the plumbing Prime Contractor but are remaining after demolition, this Prime Contractor will be responsible for having them removed. If there are fixtures or equipment scheduled to remain but not properly identified by this Prime Contractor prior to demolition, this Prime Contractor will be required to buy the replacement equipment. Prime Contractor shall include re-cutting, re-grinding and any other required preparation of point of connections where existing equipment/material was removed by the demolition Prime Contractor. Prime Contractor shall account for and participate in on-site job-walks at the beginning of the project specifically for coordinating demolition/safe-off.
39. Furnish and install all fixture mounts.
40. Prime Contractor Includes eighty (80) journeyman labor hours for miscellaneous plumbing work. The Construction Manager/District may authorize the use of these hours only.
41. Prime Contractor has included multiple mobilizations to achieve the requirements of the contract. For bidding purposes, include five (5) mobilizations. A mobilization

is defined as removal and return of equipment and materials. A crew leaving the site is not a demobilization.

42. Prime Contractor includes provisions to accommodate multiple commissioning/functional testing in order to achieve the project milestones and completion dates shown in the project schedule.
43. Prime Contractor shall coordinate plumbing points of connection (POC) with other Prime Contractor's finish equipment/ systems accordingly. If this Prime Contractor fails to properly coordinate final POCs with other Prime Contractors prior to completing installation, and the POC is wrong and not feasible given the site conditions, the Prime Contractor will be responsible for the costs to relocate the power, low voltage, or fire alarm infrastructure and any subsequent remedial work as a result of the relocation.
44. Prime Contractor shall include food service equipment scope noted in the Orness drawing sheets and Foodservice Equipment Specification (#114000) regardless of what is shown on other sheets in the plans. Prime Contractor's food service scope includes but is not limited to:
 - a. All plumbing rough-in – Unless specifically noted otherwise.
 - b. Final connections of all food service equipment requiring plumbing/pipe work (water, sewer, gas, etc.) – Unless specifically noted otherwise.
 - c. Prime Contractor shall cover all scope noted in the Orness plans or #114000 specifications that note scope by plumbing contractor, 'P.C.', PC, or any reference to plumber.
 - d. Receiving equipment supplied by 'KEC' (Kitchen Equipment Contractor)/Food Service Equipment Prime Contractor that requires this Prime Contractor's final connection/installation.
 - e. Prime Contractor shall reference Appendix Z – Food Service Equipment Scope Matrix for additional clarification of food service scope responsibility.
45. Prime contractor has reviewed Attachment L - DEHQ-FHD Approval and Conditions and shall comply with items #4 & 5.
46. Prime Contractor shall include provisions to execute scope, as shown in supplemental Appendix Z – Food Service Equipment Scope Matrix. In the event the plans or specification #114000 conflicts with the Appendix Z matrix and explicitly states a certain contractor shall provide or install specific scope, Prime Contractor shall assume the plans or specification #114000 governs. Appendix Z is meant to help clarify the involvement of multiple Prime Contractors for each specific kitchen equipment.

IV. SITE UTILITIES INCLUSIONS: The following items are specifically included in the Site Utilities scope of this Contract:

1. Furnish and install the site storm drain piping and structures. Include all manholes, clean out, structures, inlets, Catch Basins, Area Drains, boxes, headwall, etc.
2. Furnish and install natural gas piping, per the Contract Documents. Include an earthquake valve as required by code and the Contract Documents.
3. Include potholing, cutting, and capping of all existing site underground wet & dry utilities. Prime Contractor shall include potholing at all utility point of connections/tie-ins. Prime Contractor shall include five additional exploratory potholes (6' deep, by a 4' diameter) as directed by the Construction Manager.
4. Include removal of all existing site underground wet & dry utilities, as indicated in the Contract Documents. Removal includes saw-cutting and removing concrete & asphalt, potholing, soil removal, hauling, backfill to finish grade for concrete/asphalt paving Prime Contractor, compaction and any other means to complete utility removal.
5. Reference all Civils, drawings for additional information and scope.
6. If shown include furnishing and installing of all required grates, frames, and angles for storm utilities.
7. Provide all required thrust blocks for pressure lines installed under this Bid Package.
8. Purchase and leave at the Construction Manager's jobsite trailer a "key" for on-site water lines and a spanner wrench for shutting down/turning on fire hydrants.
9. All spoils generated from the underground utilities scope of work shall be removed/exported from the jobsite. Include in base bid all costs associated with this export.
10. Furnish and install all concrete and rebar as it pertains to your work. This includes, but is not limited to catch basins, thrust blocks, and other site utility structures.
11. Include a separate move-on for any required adjustments of manhole covers, boxes, etc. prior to asphalt paving. This includes adjustment of existing manholes to grade.
12. Locate and mark existing underground utilities prior to beginning work.
13. This Prime Contractor is responsible for coordinating with other underground Prime contractors for inverts and grades.
14. The scope of work includes dust control as required for installation of this work.
15. Approval shall be obtained from Construction Manager and the local jurisdiction for all haul routes to and from the project site, and in and around the site.

16. This Prime contractor will be held responsible for retesting costs caused by failed compaction tests.
17. Include coordination with the grading contract and all other trades relative to your scope of work.
18. Provide all measures (including temporary services) in order to keep occupied portions of the campus fully operational.
19. Provide isolators and steel support rails for plumbing equipment as required by the Contract Documents. Include wrapping of below grade pipe per Contract Documents.
20. Raise or lower all existing vaults, lids, boxes in work area to match new grades as required. If Prime Contractor is unable to adjust existing vaults to match new grades, Prime Contractor includes replacing said existing vaults. Prime Contractor includes the demolition and removal of all below-grade existing utilities, as indicated in the Construction Documents. This scope may be shown on other drawings other than the Plumbing sheets.
21. Prime Contractor shall slurry in this Prime Contractor's trenches, as applicable in civil and plumbing details for this Prime Contractor's underground rough-in.
22. Include all excavation, trenching and backfill work as required for systems included in this Contract. All excavation, trenching, bedding materials, shoring, underground utility installation, backfill and compaction shall be pursuant to requirements of specifications, drawings, and this Contract. All areas of excavation shall be returned to existing grades prior to completion of work. Include handwork/grading around conduits, vaults, etc. Haul-off from the site all spoils generated by the work included in this Contract. Any import shall be DTSC approved. Prime Contractor includes lay-out for saw-cut and demo limits for coordination with Demo Prime Contractor. Concrete Prime Contractor shall cover necessary fine grading for new hardscape. Prime Contractor includes all slurry required in this Prime Contractor's trenches, per the plans/Specifications.
23. Prime Contractor Includes forty (40) journeyman labor hours for miscellaneous site utility work. The Construction Manager/District may authorize the use of these hours only.
24. Immediately and continuously de-water and pump out to appropriate drainage receptacle; all excavations as required by water ponding and weather conditions. Automatic pumps shall be used during all off-hour periods of construction. Immediately clean, "muck-out", remove soft/muddy soils from all pit/trench excavations as required by Inspector or Soils Engineer so that work may continue. Reference Supplemental Conditions for further rain damage prevention responsibilities.
25. In addition to requirements found within specifications #221316, #221413, #333113 & #334211, Prime Contractor includes flushing and video-recording all

storm drains found within the project limits/logistics plan to verify drainpipes are clear of obstructions prior to construction operations starting. This requirement includes but is not limited to catch basins, below-grade storm drain pipe, above-grade storm drain pipe and roof drains (drain bodies and overflows).

V. **ALLOWANCES:** The following allowances are included in this scope of work. Construction Manager must agree to the price, type and extent of additional scope before work is started. Field tickets must be signed by Construction Manager's Superintendent on a daily basis to account for the time, material, and equipment used from these allowances. All time, material, and equipment used from these allowances will be billed against these allowances and any portion of the original allowance amount not used will be credited back to the Owner at the end of this Contract's scope of work as a deductive change order. This Article is separate and exclusive from all other Work required by the Contract.

- CN-2989 Allowance #1: Unforeseen Conditions = \$40,000.00

VI. **ALTERNATES:** N/A

VII. **EXCLUSIONS:**

1. Gutters and downspouts (by Finishes Contractor)

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APPENDIX Z - FOOD SERVICE EQUIPMENT SCOPE MATRIX

GHS Kitchen & Weight Room Project - Food Service Scope Matrix

CN-2987	Prime: Food Service Equipment
CN-2989	Prime: Plumbing
CN-2990	Prime: HVAC
CN-2991	Prime: Electrical
District	Owner Furnished

*Refer to K-2 Orness sheet, Specification #114000 & associated Scope of Work for further clarification. Coordinate backing with respective Prime Contractor. MEP Prime Contractors perform final utility connections of equipment, unless specifically noted otherwise - 'Installation by' column represents setting/anchoring equipment, NOT 'final utility connections'

Equipment Item #	Description	Furnished By	Infrastructure #1 (MEP-FA) By	Infrastructure #2 (MEP-FA) By	Installation By	Notes
1	MOP SINK, FLOOR MOUNTED (24"x24"x12")	CN-2989	CN-2989	N/A	CN-2989	
2	MOP SINK FAUCET	CN-2989	CN-2989	N/A	CN-2989	
3	RACK, BRUSH/BROOM	CN-2987	N/A	N/A	CN-2987	
4	WALL STORAGE WALL SHELF	CN-2987	N/A	N/A	CN-2987	
5	AIR CURTAIN	CN-2987	CN-2991	CN-2991	CN-2991	
6	EMPLOYEE LOCKERS	District	N/A	N/A	CN-2987	Coordinate lockers with Concrete Prime
7	WALK-IN FREEZER w/ LIGHTS	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
8	WALK-IN FREEZER EVAPORATOR COIL (FAN) W/KE2 CONTROL	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
9	WIRE SHELVING, FREESTANDING	District	N/A	N/A	CN-2987	
10	WALK-IN COOLER w/ LIGHTS	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
11	WALK-IN COOLER EVAPORATOR COIL (FAN) W/KE2 CONTROL	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
12	REFRIGERATION RACK	CN-2987	CN-2991	CN-2989	CN-2987	
13	CORNER GUARDS, L-SHAPE	CN-2987	N/A	N/A	CN-2987	
14	CORNER GUARDS, U-SHAPE	CN-2987	N/A	N/A	CN-2987	
15	SPARE NUMBER	N/A	N/A	N/A	N/A	
16	DRY SHELVING, FREESTANDING	District	N/A	N/A	CN-2987	
17	ICE MACHINES	CN-2987	CN-2991	CN-2989	CN-2987	Plumber & electrician make connections
18	BIN, ICE	CN-2987	CN-2989	N/A	CN-2987	
19	WATER FILTER, ICE	CN-2987	CN-2989	N/A	CN-2987	
19.1	BACKFLOW PREVENTOR	CN-2989	CN-2989	N/A	CN-2989	
20	HAND SINK, WALL MOUNT	CN-2987	CN-2989	N/A	CN-2989	
20.1	FAUCET, ELECTRIC	CN-2987	CN-2991	CN-2989	CN-2989	
21	INTELLIGATE WEB-BASED GATEWAY	N/A	N/A	N/A	N/A	
22	INTELLISENSOR FOR TEMPERATURE & DOOR	N/A	N/A	N/A	N/A	
23	SPARE NUMBER	N/A	N/A	N/A	N/A	
24	3 - COMPARTMENT SINK	CN-2987	CN-2989	N/A	CN-2989	
25	PRE-RINSE FAUCET, BACKSPASH MOUNT	CN-2987	CN-2989	N/A	CN-2989	
26	WALL STORAGE WALL SHELF	CN-2987	N/A	N/A	CN-2987	
27	POT RACK, STAINLESS STEEL	CN-2987	N/A	N/A	CN-2987	
28	WALL STORAGE WALL SHELF	CN-2987	N/A	N/A	CN-2987	
29	SOILED DISH TABLE w/ SCRAPPED SINK	CN-2987	CN-2989	N/A	CN-2989	
30	PRE-RINSE FAUCET, BACKSPASH MOUNT	CN-2987	CN-2989	N/A	CN-2989	
31	QUICK DRAIN	CN-2987	CN-2989	N/A	CN-2989	
32	WAREWASHER, DOOR TYPE, HIGH TEMP w/ BOOSTER	CN-2987	CN-2991	CN-2989	CN-2989	
33	TYPE-II STEAM EXHAUST HOOD	CN-2987	CN-2990	CN-2990	CN-2987	
34	EXHAUST FAN	CN-2990	CN-2990	CN-2991	CN-2990	
35	SPARE NUMBER	N/A	N/A	N/A	N/A	
36	DISH TABLE, CLEAN	CN-2987	N/A	N/A	CN-2987	
37	POT SHELVING, FREESTANDING	District	N/A	N/A	CN-2987	
38	SPARE NUMBER	N/A	N/A	N/A	N/A	
39	SPARE NUMBER	N/A	N/A	N/A	N/A	
40	SPARE NUMBER	N/A	N/A	N/A	N/A	
41	PREP TABLE w/ DOUBLE PREP SINK, ADA	CN-2987	CN-2989	N/A	CN-2989	
42	FAUCET	CN-2987	CN-2989	N/A	CN-2989	
43	WALL STORAGE WALL SHELF	CN-2988	N/A	N/A	CN-2987	
44	SPARE NUMBER	N/A	N/A	N/A	N/A	
45	INSULATED HOT CABINET, MOBILE	District	CN-2991	CN-2991	District	
46	ISLAND PREP TABLE w/ INTEGRAL PREP SINK	CN-2988	CN-2989	N/A	CN-2989	
47	FAUCET	CN-2988	CN-2989	N/A	CN-2989	
48	COMMERCIAL MICROWAVE OVEN	District	CN-2991	CN-2991	District	
49	RACK, PAN	District	District	District	District	
50	WORK TABLE	District	N/A	N/A	CN-2987	
51	COOK & HOLD QUIK THERM, MOBILE	District	CN-2991	CN-2991	District	
52	SPARE NUMBER	N/A	N/A	N/A	N/A	
53A	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
53B	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
54A	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
54B	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
55	TILTING SKILLET, GAS	District	CN-2991	CN-2989	CN-2989	
56	FLOOR TROUGH	CN-2987	CN-2989	N/A	CN-2989	
57	6-BURNER RANGE w/ CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
58	SPARE NUMBER	N/A	N/A	N/A	N/A	
59	SPARE NUMBER	N/A	N/A	N/A	N/A	
60	SPARE NUMBER	N/A	N/A	N/A	N/A	
61	TYPE-I GREASE EXHAUST HOOD w/ LIGHTS	CN-2987	CN-2990	CN-2991	CN-2987	
62	EXHAUST FAN	CN-2990	CN-2990	CN-2991	CN-2990	
63	MAKE-UP AIR	CN-2990	CN-2990	CN-2991	CN-2990	
64	STAINLESS STEEL WALL PANELS	CN-2987	N/A	N/A	CN-2987	
65	QUICK GAS DISCONNECT	CN-2987	CN-2989	N/A	CN-2989	
66	FIRE SUPPRESSION SYSTEM; ANSUL AUTOMAN	CN-2987	CN-2991	CN-2989	CN-2987	Electrical Prime has E+FA infrastructure to box microswitches and gas valve reset relay
67	REMOTE PULL STATION FOR FIRE SUPPRESSION SYSTEM	CN-2987	CN-2991	CN-2989	CN-2987	Electrician rough-in conduit. KEC has pull box & cables
68	K-TYPE FIRE EXTINGUISHER, RECESSED	CN-2987	N/A	N/A	CN-2987	
69	GAS SHUT OFF VALVE	CN-2987	CN-2989	N/A	CN-2989	Plumber installs shut-off valve. Electrician wires back to hood ansul cabinet
70	WALL MOUNTED CONTROL CABINET	CN-2987	CN-2990	CN-2989	CN-2990	
71	SPARE NUMBER	N/A	N/A	N/A	N/A	
72	SPARE NUMBER	N/A	N/A	N/A	N/A	
73	REFRIGERATOR, PASS-THRU	District	CN-2991	N/A	CN-2987	
74	CABINET, WARMING & HOLDING, PASS-THRU	District	CN-2991	N/A	CN-2987	
75	P.O.S. CART	District	N/A	N/A	CN-2987	
76	P.O.S. & CARD READER	District	CN-2991	CN-2991	District	
77	SERVING CART, COLD	District	CN-2991	N/A	CN-2987	
78	SERVING CART, HOT	District	CN-2991	N/A	CN-2987	
79	DOUBLE SIDED SNEEZE GUARD, SELF-SERVE	District	N/A	N/A	CN-2987	
80	SERVING CART, COLD	District	CN-2991	N/A	CN-2987	
81	MILK COOLER	District	CN-2991	N/A	CN-2987	
82	AIR CURTAIN	CN-2987	CN-2991	N/A	CN-2987	

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GROSSMONT UNION HIGH SCHOOL DISTRICT

GROSSMONT HS KITCHEN AND WEIGHT ROOM MULTI-PRIME

**ATTACHMENT H
BID PACKAGE**

CN-2990

HVAC & CONTROLS

**TRADE CONTRACTOR SPECIFIC PROVISIONS
BID PACKAGE: CN-2990
HVAC & CONTROLS**

HVAC & CONTROLS

The following clarifies certain inclusions, exclusions, and other information. This list is not inclusive of all work and is not limiting in any manner. This Exhibit shall supplement all General and Special Conditions in this Contract unless specifically noted herein to supersede them. This exhibit shall supersede all other conditions in the Contract and Contract Documents in the event of specific conflicts between the Documents.

I. **GENERAL REQUIREMENTS:** The following General Requirements apply to all work included in this Contract:

1. Full compliance and scope coverage with Specification Section(s):

- DIVISION 00
- DIVISION 01
- 07 92 00 – Joint Sealants
- 08 31 00 – Access Doors (For this Prime Only)
- 11 40 00 – Foodservice Equipment (For this Prime Only)
- DIVISION 23 – In its entirety (With Exception to #23 11 23 & #23 51 23)

Full compliance and scope coverage with all other Project Scope and Specification Sections that interface with and require services related to this scope of work.

2. Contractor shall have a current California Contractor's License Classification as listed on the Notice to Bidders and shall keep same current through-out the duration of the project. License required for this work shall be C-20.

3. Schedule of shop drawings, submittals, and dimension verifications: The following groups of shop drawings and submittals are not all-inclusive and are supplemental to requirements found elsewhere in the documents. These submittals shall be delivered to the Project Manager not later than the below listed dates:

a. #233113 – Metal Ducts

Due: 20 Calendar Days after Notice to Proceed

b. #233300 – Duct Accessories

Due: 20 Calendar Days after Notice to Proceed

c. #233416 – Centrifugal HVAC Fans

Due: 15 Calendar Days after Notice to Proceed

d. #233423 – HVAC Power Ventilators

Due: 15 Calendar Days after Notice to Proceed

e. #233713 – Diffusers, Registers & Grilles

Due: 20 Calendar Days after Notice to Proceed

- f. #237313 – Modular Outdoor Central-Station Air-Handling Units

Due: 15 Calendar Days after Preliminary Notice of Award

- g. #237416.11 – Packaged, Small-Capacity, Rooftop Air-Conditioning Units

Due: 15 Calendar Days after Preliminary Notice of Award

- h. #238126 – Split-System Air-Conditioners

Due: 20 Calendar Days after Notice to Proceed

- i. ALL other Contractual Submittals

Due: 30 Calendar Days after Notice to Proceed

These due dates take precedence over other dates found elsewhere in the Contract Documents.

4. Prepare any coordination drawings required to show the interface between work provided by this Contract and others. This includes but is not limited to:
 - a. Structural Penetration Drawings
 - b. Equipment Layout Drawings
 - c. Above Ceiling Coordination Drawings
5. Procurement of Critical Long Lead Items: Contractor shall be responsible to ensure that critical long lead items are delivered to the project site as required to maintain the Master Project Schedule.
6. Contractor has included the costs for off-site storage of project materials.
7. Schedule: Contractor shall issue to the Construction Manager a detailed Construction Schedule for this trade's work as it pertains to this Project. The work shall proceed in accordance with the Master Construction Schedule issued with the Construction Documents. This schedule shall be modified from time to time in order to properly coordinate and sequence the work; however, the Contractor is responsible to supply sufficient manpower, equipment and material necessary to ensure the duration of time established for the Contractor's work is maintained as per the Construction.
8. Provide flagmen as required. It is understood that the work will take place within an operating Campus and that the Contractor is solely responsible to protect the public and maintain uninterrupted access to the campus by the general public. Provide all barricades, etc. to achieve this. Perform during off-hours as required to avoid disruption of campus operations.

9. Contractor will be responsible for collateral damage to areas or finishes not scheduled for demolition as a result of his operations.
10. It is understood that all scope inclusions contained in this bid package shall be provided by this Contractor regardless of similar or identical inclusions found in other bid packages or trade Contracts.
11. It is understood that the Project Specific Provisions contained in the Contract Documents are a material element of this Contract and scope of work. It is specifically noted that the Contractor shall be responsible for all requirements and clauses contained in the Project Specific Provisions.
12. In the event of conflicts not clarified prior to bidding deadline, Prime Contractor shall assume the most stringent, higher quality and greater quantity of work for bidding purposes. If Prime Contractor still requires clarification after awarded project, Prime Contractor shall generate an RFI. If appropriate, a deductive change order shall be issued if the clarification results in a reduced scope of work.
13. Building Dimension Verification: Contractor shall issue a plan and letter to the Construction Manager in the form of a submittal that locates and verifies exact dimensions for the following items:
 - A. Locations and sizes of formed concrete housekeeping pads.
 - B. Dimensional size confirmation of all mechanical rooms (located within the building interiors and /or exterior service yard, as applicable); are sufficient in size to accommodate all of the designed HVAC equipment, ductwork and piping. This submittal shall confirm that the dimensions/ configuration of designed areas, the placement/ swing of doors, etc. are adequate for the design of the HVAC systems and will provide proper code required clearances.
 - C. Exact dimensional sizes and locations of all required framed/formed openings in all building elements, i.e., shafts, walls, floors, and decks. Dimensional locations shall be established from grid lines or other appropriate reference points. This information is required so that all required openings (by other trades) can be planned for and constructed accordingly.
14. It is understood that all major equipment items shall be delivered to the site in appropriately sized sections as required to allow rigging and installation of the equipment in each mechanical room / area through the physical space and openings allowed by the completed building structure. The Contractor shall place all equipment within these areas at scheduled times as designated by the Construction Manager to avoid delays to the surrounding work.
15. Provide Fire, Smoke, Sound and/or Architectural caulking and sealants at all duct/piping penetrations as required by the contract documents. The intent of this general inclusion is for each Prime Trade Contractor to be responsible for their

own penetrations as it relates to their scope of work. Materials shall be furnished and installed per applicable code and Specification requirements.

16. All sleeves and penetrations for ductwork, piping, conduits, equipment, etc. shall be sealed with materials that are either specified or approved by the Architect.
17. Furnish and install all necessary angles, clamps, hangers, channels, Unistrut, supports, wires, cables, threaded rod, misc. steel, isolation devices, seismic anchorage, slack wires, backing, etc.; for all HVAC work, equipment and misc. items included in this Contract. All work shall comply with applicable codes and Contract Document requirements.
18. Contractor shall protect the roofing membrane and/or waterproof deck coating systems with temporary plywood protection during the installation of the HVAC work in such areas.
19. The locations, configuration, sizes and height of roof penetrations shall be fully compatible with the type of roof system and manufacturer's warranty. The Roofing Contractor shall approve all such items prior to installation. The design, proper sequence and installation of jacks/flashings shall be coordinated with the installation of the roofing system. The height of all penetrations shall be a minimum of 8" above the highest point of the finished roof surface. This includes all curbs, platforms, etc. Many of these will need to be custom-sized due to varying roof insulation height. The Contractor must verify the total combined thickness of the roof system and underlying substrate (i.e., concrete fill, rigid insulation, etc. as applicable), plus the minimum curb height above the top of the roof membrane.
20. Furnish and install proper support under piping and similar items that run horizontally on the roof membrane.
21. Include all HVAC and similar related work items as may be referenced throughout the Contract Documents by typical notations such as: by: "Mechanical Contractor" Contractor," "General Contractor," "MC", and similar, etc. that may be noted throughout the entire set of drawings and specifications.
22. If applicable, all components, equipment and work including installation shall fully comply with current handicap codes (even if contrary to the Contract Documents and submittal approvals by the Mechanical Engineer). Contractor shall request specific written direction from the Construction Manager before proceeding with any work or ordering any materials that are non-compliant.
23. Include all saw cutting, coring, minor demolition and removal of debris from the site as required to install the HVAC work in areas required by the Contract Documents.
In all cases, Contractor shall properly layout and review the extent of all such work with the Construction Manager prior to start of any work.
24. Perform all specified labeling, stenciling, tagging and identification of all equipment, piping / ductwork systems, devices, etc., which are included in this Contract.

25. Furnish and install all access doors that are required for HVAC equipment, components and systems. The Finishes Prime contractor will only provide the access panels specifically identified on the architectural drawings. Coordinate all openings with the respective contractors, i.e.: Wood Framing Contractor.
26. Properly secure all sleeves, work, and equipment that are cast into concrete work so that movement does not occur during placement. Verify proper location and placement before concrete placement.
27. All prime / finish painting and factory finishes of HVAC work as specifically required by the Contract Documents.
28. Contractor shall maintain and record as-built information of his work in a current condition. The Contractor shall transfer all as-built information onto the record set of drawings located at the Construction Manager's Field Office. All transferred information shall be neat, legible and in accordance with the guidelines set forth in the contract documents. Failure to provide as-built information in a timely manner will result in progress payments being withheld.
29. Provide, erect and dismantle all ladders and scaffolding required to perform work. Provide all required rigging and hoisting necessary to perform this scope of work. All lifts and material handling required to perform this scope of work shall be provided by the HVAC contractor.
30. Daily clean-up of all debris related to the Work of this Contractor is required. All debris generated by this Contractor shall be legally removed daily and disposed of offsite by this Contractor. All Contractors, while on site, will provide a clean-up laborer to be included in the weekly clean-up effort for the duration of the project. For bidding purposes, Prime Contractor shall provide a 2 hours of clean-up labor for 40 total weeks.
31. Prime Contractor includes all testing, per the Contract Documents.
32. All Contractors are responsible for covering of roof openings for a weather tight system prior to rain and rain clean-up. Bid Package Contractor to consider the allotted rain days in the project schedule for budgeting purposes.
33. Prime Contractor understands that parking will not be permitted within the limits of work, staff parking, student parking or public parking spaces on campus, unless specifically allowed in the Contract Documents or agreed upon by the District. Prime Contractor acknowledges that food trucks are prohibited from entry to the construction limits of work and Grossmont High School campus. This General Requirement supersedes parking provisions outlined elsewhere in the Contract Documents.
34. Prime Contractor shall include provisions to comply with all delegated-design submittal requirements found within their respective specification sections.
35. Prime Contractor shall include forty (40) journeyman labor hours for miscellaneous

work. The Construction Manager/District may authorize the use of these hours only.

36. Finish Prime Contractor includes all in-wall flat-strap backing and rough carpentry Prime Contractor includes all in-wall and above ceiling structural wood-framed backing. Prime Contractor shall coordinate accordingly and layout backing where required for this Prime Contractor's scope.

II. **HVAC INCLUSIONS:** The following items are specifically included in the HVAC scope of this Contract:

1. Furnish and install all HVAC system components as required by the Contract Documents including but not limited to: Roof top air handling equipment, exhaust systems, split systems, piping systems, ductwork systems, VFD's, Pumps, etc. The intent of this Prime Contractor is to provide a complete and functioning HVAC system as intended by the contract documents.
2. The HVAC Contractor shall fully coordinate with the Electrical Contractor(s) with regards to the HVAC energy management/temperature control systems. The HVAC Contractor has reviewed all of the Contract Documents and acknowledges that each specific trade responsibility to furnish and install each of the specified/ shown components, conduit systems, equipment items and low/line voltage wiring are clearly defined between the Division 23 and Division 26 trades so that all items required by the Contract Documents are installed. **It is specifically understood that all low-voltage conduit, wiring and devices for temperature control and HVAC system shall be provided by the HVAC Contractor unless specifically and solely noted on the Electrical Contract Documents to be provided by Electrical contractor.**
3. The HVAC Contractor shall fully coordinate with the Electrical and Fire Alarm Contractors with regards to the smoke/fire dampers, and duct/mechanical equipment smoke detection systems. The HVAC Contractor has reviewed all of the Contract Documents and acknowledges that each specific trade responsibility to furnish and install each of the specified/ shown components, conduit systems, equipment items, and low/line voltage wiring are clearly defined between the Division 23 and Division 26 trades so that all items required by the Contract Documents are installed.
4. Include all HVAC and similar related work items as may be referenced throughout the Contract Documents by typical notations such as: by: "Mechanical Contractor", "Contractor", "MC", and similar, etc. that may be noted throughout the entire set of drawings and specifications. Included items, but not limited to, shall be all equipment listed on sheet M0.2, mechanical piping, controls and control wiring, commissioning, pathways to interconnect building systems, associated sheet metal work, and housekeeping pads.
5. The locations, configuration, sizes and height of roof penetrations shall be fully compatible with the type of roof system and manufacturer's warranty. The Roofing

Prime Contractor shall approve all such items prior to installation. The design, proper sequence and installation of jacks/flashings shall be coordinated with the installation of the roofing system. The height of all penetrations shall be a minimum of 8" above the highest point of the finished roof surface. This Prime Contractor must verify the total combined thickness of the roof system and underlying substrate (i.e., insulating concrete fill system, rigid insulation, etc. as applicable), plus the minimum curb height above the top of the roof membrane.

6. Maintain the designed fire/smoke/sound ratings at all penetrations/pockets/shafts/recesses in the building construction. If required, include proper types of steel sleeves at penetrations. Include fire caulking at rated walls. It is the intent of this clause that the HVAC Contractor be responsible for sealing all of the penetrations provided as part of the scope of this Contract.
7. If applicable, all components, equipment and work including installation shall fully comply with current ADA codes (even if contrary to the Contract Documents and submittal approvals by the Mechanical Engineer). Prime Contractor shall request specific written direction from the Construction Manager before proceeding with any work or ordering any materials that are non-compliant.
8. Furnish and install all air louvers that are shown on the Mechanical Plans and/or directly connected to ductwork. Include steel angles, bird screens, and associated flashing/caulking, etc. Coordinate all openings with the respective trades (i.e. concrete, drywall, framing, plaster, etc.).
9. Furnish and install all pitch pans, roof jacks, flashings/counter flashings, caulking, etc., as required for penetrations of equipment, ductwork, piping, etc. Penetrations shall have a minimum of 18" horizontal separation between adjacent penetrations. Roof penetrations shall not interfere with the operation or servicing of equipment i.e.: piping / ductwork shall not be located in front of equipment access doors. Provide all supports in roof area. All caulking and flashings shall be completely compatible with the roofing system.
10. Furnish / install all vent pipes, caps, etc., for HVAC equipment.
11. Furnish and install condensate drain lines/piping for all mechanical equipment included in this Contract that is shown on M drawings. Also include condensate and secondary drain pans where shown/specified. The Plumbing Contractor will only provide condensate drain lines and make up water supply lines that are specifically shown on the Plumbing Plans. The HVAC Contractor will provide all condensate lines not shown on the plumbing drawings as required to properly drain all condensate pans, lines etc. to the nearest approved receptacle.
12. Furnish and install condensate pans under all FCU whether specifically shown or not.
13. Furnish and install all miscellaneous sheet metal work associated with and required for the mechanical work including sheet metal equipment pad covers for all rooftop equipment. The Sheet Metal (Finishes) Contractor will not provide any

sheet metal items associated with the HVAC scope of work.

14. Furnish and install all fire and fire/smoke dampers as shown on the drawings and as required to maintain rated construction. Include all fire rated caulking and packing materials required to encase ducts and damper assemblies at points of penetration through fire rated and smoke rated construction. Include all steel angles, sleeves, access doors, and accessories required for a complete installation. The Electrical contractor will provide low voltage power and fire alarm control/monitoring for the dampers.
15. Arrange and pay for independent air/water balance testing, adjustments and reports in accordance with the Contract Documents.
16. Furnish and install all vibration isolators, steel support rails and frames for HVAC equipment as required by the Contract Documents.
17. Design/Engineer for all supports, hangers, bracing, etc. for ceiling, wall and roof mounted mechanical items. Provide engineered shop drawings for approval by the Architect/Engineer as required.
18. Furnish and install custom prefabricated roof curbs for all rooftop ductwork penetrations, HVAC units, exhaust fans and equipment. Tops of curbs shall be pitched to drain. Rough Carpentry Prime Contractor shall provide all structural blocking on the under-side of the roof deck/sheathing and shall provide any rough-framed platform explicitly shown in the structural/architectural drawings. The Finish Prime Contractor shall fill the void in the pre-fabricated HVAC curb in order to maintain the 8" upturn for the roofing warranty. This Prime Contractor shall coordinate accordingly with the Rough-carpentry Prime Contractor and the Finish Prime Contractor.
19. Provide hoods over all exterior through wall penetrations. Seal all wall penetrations.
20. Furnish and install sheet metal housekeeping pad covers under all equipment provided by this contractor that is not self-flashing or has roofing terminating into it.
21. All exterior bolts installed through sheet metal pad covers, etc. shall be set in mastic and have waterproof seal.
22. Provide trapeze hangers for use under/over-sized obstructions.
23. Provide all transition pieces from louvers to duct work.
24. T-Bar ceiling wires for HVAC registers/diffusers will be provided by others with layout provided by the HVAC Contractor. HVAC Contractor will be responsible for all trapeze and other installations where overhang obstructions prohibit/limit the use of ceiling wires. All other ceiling supports for HVAC work will be provided by the HVAC Contractor. Include new and temporary support of HVAC grills to remain in existing print shop.

25. All Contractors are responsible for covering of roof openings for a weather tight system prior to rain and rain clean-up. Bid Package Contractor to consider the allotted rain days in the project schedule for budgeting purposes.
26. Custom pitch all roof curbs to match roof slope.
27. Prime Contractor to include HVAC safe off and demolition coordination per the following: Properly identify and make safe all existing mechanical services as required to facilitate the demolition and/or retrofit work within the scope of the Project. This specifically includes evacuation and removal of refrigerants and hydronic fluids. Clearly identify all equipment and fixtures scheduled to be demolished for removal by the demolition contractor. Lay out the extents and limits of the demolition. If there is equipment or fixtures that should have been demolished and were not properly identified by the HVAC Prime Contractor but are remaining after demolition, this Prime Contractor will be responsible for having them removed. If there are fixtures or equipment scheduled to remain but not properly identified by this Prime Contractor prior to demolition, this Prime Contractor will be required to buy the replacement equipment. Prime Contractor shall account for and participate in on-site job-walks at the beginning of the project specifically for coordinating demolition/safe-off.
28. Prime Contractor includes dimensioned mark out of all roofing demolition required to facilitate this Prime Contractor's new roof top unit work. Prime Contractor shall account for curb/blocking attachments. Any remobilization or extra costs from the demolition Prime Contractor to return to the site or redirect labor to demolish/remove additional roofing to accommodate roof top unit installation is the responsibility of this Prime Contractor.
29. Prime Contractor includes refrigerant piping rough-in and shop drawings for routing of refrigerant piping. Prime Contractor to route refrigerant piping per manufacturer's instructions and per applicable codes for this project.
30. Prime Contractor includes mark out of all utility points of connection from other Prime Contractors as it relates to this Prime Contractor's rooftop equipment.
31. Prime Contractor to carry provisions for re-cutting, re-grinding or preparing any POC's where existing equipment or material was removed by the demolition Prime Contractor. For example, the demolition contractor may cut a pipe with a chop saw leaving a rough end. This contractor is responsible for cutting and grinding that end to properly connect to any new work.
32. Furnish and install the link seals at all through pipe penetrations.
33. Prime Contractor shall include food service equipment scope noted in the Orness drawing sheets and Foodservice Equipment Specification (#114000) regardless of what is shown on other sheets in the plans. Prime Contractor's food service scope includes but is not limited to:
 - a. All ductwork rough-in – Unless specifically noted otherwise.

- b. Final connections of all food service equipment requiring HVAC or HVAC controls work – Unless specifically noted otherwise.
 - c. All test and balance and commissioning required for kitchen building.
 - d. Prime Contractor shall cover all scope noted in the Orness plans or #114000 specifications that note scope by HVAC contractor, 'HVAC', Mechanical Contractor, 'M.C.', MC, or any reference to HVAC.
 - e. Receiving equipment supplied by 'KEC' (Kitchen Equipment Contractor)/Food Service Equipment Prime Contractor that requires this Prime Contractor's final connection/installation.
 - f. Prime Contractor shall reference Appendix Z – Food Service Equipment Scope Matrix for additional clarification of food service scope responsibility.
34. Prime Contractor includes all manual volume dampers, as indicated on 2/M0-5.1 and associated specifications. Unless a more stringent requirement is noted in the plans or specifications, this detail shall take precedence for manual volume damper requirements and takeoff.
35. Prime Contractor includes duct supports and bracing, per Sheet M0-.1, M0-5.2, M0-5.3 and other applicable plan sheets & Specifications.
36. Prime Contractor shall specifically include provisions to comply with ALL General Notes #1-18 on M0-0.1.
37. Prime Contractor shall include one hundred (100) journeyman labor hours for miscellaneous HVAC work. The Construction Manager/District may authorize the use of these hours only.
38. Prime Contractor has included multiple mobilizations to achieve the requirements of the contract. For bidding purposes, include six (6) mobilizations. A mobilization is defined as removal and return of equipment and materials. A crew leaving the site is not a demobilization.
39. Prime Contractor includes provisions to accommodate multiple commissioning/functional testing in order to achieve the project milestones and completion dates shown in the project schedule.
40. Prime Contractor has reviewed Attachment L - DEHQ-FHD Approval and Conditions and shall comply with item #9
41. Prime Contractor shall include provisions to execute scope, as shown in supplemental Appendix Z – Food Service Equipment Scope Matrix. In the event the plans or specification #114000 conflicts with the Appendix Z matrix and explicitly states a certain contractor shall provide or install specific scope, Prime Contractor shall assume the plans or specification #114000 governs. Appendix Z is meant to help clarify the involvement of multiple Prime Contractors for each

specific kitchen equipment.

III. ALLOWANCES: The following allowances are included in this scope of work. The Construction Manager must agree to the price, type and extent of additional scope before work is started. Field tickets must be signed by Construction Manager's Superintendent on a daily basis to account for the time, material, and equipment used from these allowances. All time, material, and equipment used from these allowances will be billed against these allowances and any portion of the original allowance amount not used will be credited back to the Owner at the end of this Contract's scope of work as a deductive change order. This Article is separate and exclusive from all other Work required by the Contract.

- CN-2990 Allowance #1: Unforeseen Conditions = \$10,000.00

IV. ALTERNATES: N/A

V. EXCLUSIONS: N/A

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APPENDIX Z - FOOD SERVICE EQUIPMENT SCOPE MATRIX

GHS Kitchen & Weight Room Project - Food Service Scope Matrix

CN-2987	Prime: Food Service Equipment
CN-2989	Prime: Plumbing
CN-2990	Prime: HVAC
CN-2991	Prime: Electrical
District	Owner Furnished

*Refer to K-2 Orness sheet, Specification #114000 & associated Scope of Work for further clarification. Coordinate backing with respective Prime Contractor. MEP Prime Contractors perform final utility connections of equipment, unless specifically noted otherwise - 'Installation by' column represents setting/anchoring equipment, NOT 'final utility connections'

Equipment Item #	Description	Furnished By	Infrastructure #1 (MEP-FA) By	Infrastructure #2 (MEP-FA) By	Installation By	Notes
1	MOP SINK, FLOOR MOUNTED (24"x24"x12")	CN-2989	CN-2989	N/A	CN-2989	
2	MOP SINK FAUCET	CN-2989	CN-2989	N/A	CN-2989	
3	RACK, BRUSH/BROOM	CN-2987	N/A	N/A	CN-2987	
4	WALL STORAGE WALL SHELF	CN-2987	N/A	N/A	CN-2987	
5	AIR CURTAIN	CN-2987	CN-2991	CN-2991	CN-2991	
6	EMPLOYEE LOCKERS	District	N/A	N/A	CN-2987	Coordinate lockers with Concrete Prime
7	WALK-IN FREEZER w/ LIGHTS	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
8	WALK-IN FREEZER EVAPORATOR COIL (FAN) W/KE2 CONTROL	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
9	WIRE SHELVING, FREESTANDING	District	N/A	N/A	CN-2987	
10	WALK-IN COOLER w/ LIGHTS	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
11	WALK-IN COOLER EVAPORATOR COIL (FAN) W/KE2 CONTROL	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
12	REFRIGERATION RACK	CN-2987	CN-2991	CN-2989	CN-2987	
13	CORNER GUARDS, L-SHAPE	CN-2987	N/A	N/A	CN-2987	
14	CORNER GUARDS, U-SHAPE	CN-2987	N/A	N/A	CN-2987	
15	SPARE NUMBER	N/A	N/A	N/A	N/A	
16	DRY SHELVING, FREESTANDING	District	N/A	N/A	CN-2987	
17	ICE MACHINES	CN-2987	CN-2991	CN-2989	CN-2987	Plumber & electrician make connections
18	BIN, ICE	CN-2987	CN-2989	N/A	CN-2987	
19	WATER FILTER, ICE	CN-2987	CN-2989	N/A	CN-2987	
19.1	BACKFLOW PREVENTOR	CN-2989	CN-2989	N/A	CN-2989	
20	HAND SINK, WALL MOUNT	CN-2987	CN-2989	N/A	CN-2989	
20.1	FAUCET, ELECTRIC	CN-2987	CN-2991	CN-2989	CN-2989	
21	INTELLIGATE WEB-BASED GATEWAY	N/A	N/A	N/A	N/A	
22	INTELLISENSOR FOR TEMPERATURE & DOOR	N/A	N/A	N/A	N/A	
23	SPARE NUMBER	N/A	N/A	N/A	N/A	
24	3 - COMPARTMENT SINK	CN-2987	CN-2989	N/A	CN-2989	
25	PRE-RINSE FAUCET, BACKSPASH MOUNT	CN-2987	CN-2989	N/A	CN-2989	
26	WALL STORAGE WALL SHELF	CN-2987	N/A	N/A	CN-2987	
27	POT RACK, STAINLESS STEEL	CN-2987	N/A	N/A	CN-2987	
28	WALL STORAGE WALL SHELF	CN-2987	N/A	N/A	CN-2987	
29	SOILED DISH TABLE w/ SCRAPPED SINK	CN-2987	CN-2989	N/A	CN-2989	
30	PRE-RINSE FAUCET, BACKSPASH MOUNT	CN-2987	CN-2989	N/A	CN-2989	
31	QUICK DRAIN	CN-2987	CN-2989	N/A	CN-2989	
32	WAREWASHER, DOOR TYPE, HIGH TEMP w/ BOOSTER	CN-2987	CN-2991	CN-2989	CN-2989	
33	TYPE-II STEAM EXHAUST HOOD	CN-2987	CN-2990	CN-2990	CN-2987	
34	EXHAUST FAN	CN-2990	CN-2990	CN-2991	CN-2990	
35	SPARE NUMBER	N/A	N/A	N/A	N/A	
36	DISH TABLE, CLEAN	CN-2987	N/A	N/A	CN-2987	
37	POT SHELVING, FREESTANDING	District	N/A	N/A	CN-2987	
38	SPARE NUMBER	N/A	N/A	N/A	N/A	
39	SPARE NUMBER	N/A	N/A	N/A	N/A	
40	SPARE NUMBER	N/A	N/A	N/A	N/A	
41	PREP TABLE w/ DOUBLE PREP SINK, ADA	CN-2987	CN-2989	N/A	CN-2989	
42	FAUCET	CN-2987	CN-2989	N/A	CN-2989	
43	WALL STORAGE WALL SHELF	CN-2988	N/A	N/A	CN-2987	
44	SPARE NUMBER	N/A	N/A	N/A	N/A	
45	INSULATED HOT CABINET, MOBILE	District	CN-2991	CN-2991	District	
46	ISLAND PREP TABLE w/ INTEGRAL PREP SINK	CN-2988	CN-2989	N/A	CN-2989	
47	FAUCET	CN-2988	CN-2989	N/A	CN-2989	
48	COMMERCIAL MICROWAVE OVEN	District	CN-2991	CN-2991	District	
49	RACK, PAN	District	District	District	District	
50	WORK TABLE	District	N/A	N/A	CN-2987	
51	COOK & HOLD QUIK THERM, MOBILE	District	CN-2991	CN-2991	District	
52	SPARE NUMBER	N/A	N/A	N/A	N/A	
53A	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
53B	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
54A	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
54B	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
55	TILTING SKILLET, GAS	District	CN-2991	CN-2989	CN-2989	
56	FLOOR TROUGH	CN-2987	CN-2989	N/A	CN-2989	
57	6-BURNER RANGE w/ CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
58	SPARE NUMBER	N/A	N/A	N/A	N/A	
59	SPARE NUMBER	N/A	N/A	N/A	N/A	
60	SPARE NUMBER	N/A	N/A	N/A	N/A	
61	TYPE-I GREASE EXHAUST HOOD w/ LIGHTS	CN-2987	CN-2990	CN-2991	CN-2987	
62	EXHAUST FAN	CN-2990	CN-2990	CN-2991	CN-2990	
63	MAKE-UP AIR	CN-2990	CN-2990	CN-2991	CN-2990	
64	STAINLESS STEEL WALL PANELS	CN-2987	N/A	N/A	CN-2987	
65	QUICK GAS DISCONNECT	CN-2987	CN-2989	N/A	CN-2989	
66	FIRE SUPPRESSION SYSTEM; ANSUL AUTOMAN	CN-2987	CN-2991	CN-2989	CN-2987	Electrical Prime has E+FA infrastructure to box microswitches and gas valve reset relay
67	REMOTE PULL STATION FOR FIRE SUPPRESSION SYSTEM	CN-2987	CN-2991	CN-2989	CN-2987	Electrician rough-in conduit. KEC has pull box & cables
68	K-TYPE FIRE EXTINGUISHER, RECESSED	CN-2987	N/A	N/A	CN-2987	
69	GAS SHUT OFF VALVE	CN-2987	CN-2989	N/A	CN-2989	Plumber installs shut-off valve. Electrician wires back to hood ansul cabinet
70	WALL MOUNTED CONTROL CABINET	CN-2987	CN-2990	CN-2989	CN-2990	
71	SPARE NUMBER	N/A	N/A	N/A	N/A	
72	SPARE NUMBER	N/A	N/A	N/A	N/A	
73	REFRIGERATOR, PASS-THRU	District	CN-2991	N/A	CN-2987	
74	CABINET, WARMING & HOLDING, PASS-THRU	District	CN-2991	N/A	CN-2987	
75	P.O.S. CART	District	N/A	N/A	CN-2987	
76	P.O.S. & CARD READER	District	CN-2991	CN-2991	District	
77	SERVING CART, COLD	District	CN-2991	N/A	CN-2987	
78	SERVING CART, HOT	District	CN-2991	N/A	CN-2987	
79	DOUBLE SIDED SNEEZE GUARD, SELF-SERVE	District	N/A	N/A	CN-2987	
80	SERVING CART, COLD	District	CN-2991	N/A	CN-2987	
81	MILK COOLER	District	CN-2991	N/A	CN-2987	
82	AIR CURTAIN	CN-2987	CN-2991	N/A	CN-2987	

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GROSSMONT UNION HIGH SCHOOL DISTRICT

GROSSMONT HS KITCHEN AND WEIGHT ROOM MULTI-PRIME

**ATTACHMENT H
BID PACKAGE**

CN-2991

**ELECTRICAL / LOW
VOLTAGE / AUDIO VISUAL**

TRADE CONTRACTOR SPECIFIC PROVISIONS
BID PACKAGE: CN-2991
ELECTRICAL / LOW VOLTAGE / AUDIO VISUAL

ELECTRICAL & LOW VOLTAGE & AUDIO VISUAL

The following clarifies certain inclusions, exclusions, and other information. This list is not inclusive of all work and is not limiting in any manner. This Exhibit shall supplement all General and Special Conditions in this Contract unless specifically noted herein to supersede them. This exhibit shall supersede all other conditions in the Contract and Contract Documents in the event of specific conflicts between the Documents.

I. **GENERAL REQUIREMENTS:** The following General Requirements apply to all work included in this Contract:

1. Full compliance and scope coverage with Specification Section(s)

- DIVISION 00
- DIVISION 01
- 07 92 00 – Joint Sealants
- 08 31 00 – Access Doors and Panels (For this Prime Only)
- 11 40 00 – Foodservice Equipment (For this Prime Only)
- DIVISION 26 – In its entirety
- DIVISION 27 – In its entirety
- DIVISION 28 – In its entirety
- 31 23 16.13 – Trenching (For this Prime only)

- 312323 – Fill (For this Prime only)

Full compliance and scope coverage with all other Project Scope and Specification Sections that interface with and require Electrical services unless modified or excluded by this Exhibit.

2. Prime Contractor shall have a current California Contractor's License Classification as listed on the Notice to Bidders and shall keep same current through-out the duration of the project. License required for this scope is C-10.

3. Schedule of shop drawings, submittals, and dimension verifications: The following groups of shop drawings and submittals are not all-inclusive and are supplemental to requirements found elsewhere in the documents. These submittals shall be delivered to the Project Manager not later than the below listed dates:

a. #262213 – Dry Type Transformer

Due: 10 Calendar Days after Preliminary Notice of Award

b. #262413 – Switchboard

Due: 10 Calendar Days after Preliminary Notice of Award

c. #262416 – Panelboards

Due: 10 Calendar Days after Preliminary Notice of Award

d. #263323 – Emergency Lighting Equipment

Due: 15 Calendar Days after Preliminary Notice of Award

e. #265114 – LED Lighting Fixtures and Lamps

Due: 15 Calendar Days after Preliminary Notice of Award

f. Division 27 Submittals

Due: 15 Calendar Days after Preliminary Notice of Award

g. Division 28 Submittals

Due: 15 Calendar Days after Preliminary Notice of Award

h. ALL Remaining Contractual Submittals

Due: 20 Calendar Days after Notice to Proceed

These due dates take precedence over other dates found elsewhere in the Contract Documents.

4. Prepare any coordination drawings required to show the interface between work provided by this Contract and others. This includes but is not limited to:
 - a. Electric Room Layout Drawings
 - b. Below Grade Coordination Drawings
 - c. Above Ceiling Coordination Drawings
5. Procurement of Critical Long Lead Items: Prime Contractor shall be responsible to ensure that the critical long lead items are delivered as required to comply with the requirements and intent of the master building schedule.
6. Schedule: Prime Contractor shall issue to the Construction Manager a detailed Construction Schedule for this trade's work as it pertains to this Project. The work shall proceed in accordance with the Master Construction Schedule issued with the Construction Documents. This schedule shall be modified from time to time in order to properly coordinate and sequence the work; however, the Prime Contractor is responsible to supply sufficient manpower, equipment and material necessary to ensure the duration of time established for the Prime Contractor's work is maintained as per the Construction Documents.
7. Prime Contractor has reviewed the Project and is aware of existing conditions.

8. Prime Contractor has included the costs for offsite storage of project materials including all switchgear and light fixtures for the duration of the project.
9. Provide flagmen as required. It is understood that the work will take place within an operating Campus and that the Prime Contractor is solely responsible to protect the public and maintain uninterrupted access to the campus by the general public. Provide all barricades, etc. to achieve this. Perform work during off-hours as required to avoid disruption of campus operations.
10. Prime Contractor will be responsible for collateral damage to areas or finishes not scheduled for demolition as a result of his operations.
11. It is understood that the Trade Contractor Specific Provisions contained in the contract documents are a material element of this Contract and scope of work. It is specifically noted that the Prime Contractor shall be responsible for all requirements and clauses contained in the Trade Contractor Specific Provisions
12. It is understood that the Project Specific Provisions contained in the Contract Documents are a material element of this Contract and scope of work. It is specifically noted that the Prime Contractor shall be responsible for all requirements and clauses contained in the Project Specific Provisions.
13. Building Dimension Verification: Prime Contractor shall issue a plan and/or letter to the Construction Manager in the form of a submittal that locates and verifies exact dimensions for the following items:
 - a. Locations and sizes of formed concrete housekeeping pads.
 - b. Size confirmation of interior rooms in each location where electrical equipment and panels will be installed; stating that the area, configuration of walls, placement and swing of doors, and dimensions designed are adequate and will meet codes.

Due: 20 Working Days after Notice to Proceed

14. Perform all coring and/or sleeving (as required by actual project requirements) for all contract work. If required, include proper types of steel sleeves at penetrations. Prime Contractor includes X-ray or pachometer investigation before coring into concrete.
15. Provide Fire, Smoke, Sound and/or Architectural caulking and sealants at all electrical penetrations as required by the Contract Documents. The intent of this general inclusion is for each Prime Trade Contractor to be responsible for their own penetrations as it relates to their scope of work. Include sound pads at J-boxes and similar penetrations if required by the Project's specifications.
16. Contractor shall maintain and record as-built information of his work in a current condition. The Contractor shall transfer all as-built information onto the record set of drawings located at the Construction Manager's Field Office. All

transferred information shall be neat, legible and in accordance with the guidelines set forth in the contract documents. Failure to provide as-built information in a timely manner will result in progress payments being withheld.

17. This contractor acknowledges and includes the cost for all required off-hour, overtime and weekend work schedules as required to perform the work included in this contract and coordinate this contract work with all other related trades. This contractor shall provide manpower and shift schedules (in advance of the actual work being performed) to the Construction Manager so that it can be analyzed against the Project's schedule requirements.
18. Prime Contractor is required to properly staff the Project to maintain the Project's schedule and to ensure proper sequencing with other prime Contractors as required by the Construction Manager.
19. Prime Contractor is responsible to provide all layout for its work from survey control points and lines, including all building corners, grid lines, offsets, elevations, etc.
20. Provide all necessary protection for new work and adjacent finishes from Prime Contract work operations. Include steel plates, plywood, plastic and masking protection as required. Prime Contractor is responsible to maintain/repair/replace any temporary barricades that are moved or damaged by its work. Prime Contractor is responsible to protect all existing structures/MEPs/benchmarks/miscellaneous items as required by the Contract Documents during this Prime Contractor's work.
21. Prime Contractor acknowledges that space for storing materials within the worksite is limited. All delivery and storage of materials shall be scheduled and coordinated with the Construction Manager prior to shipping. Prime Contractor is responsible to assure that stocking of building materials does not overload the building structure or unreasonably impede the work of other trades. Prime Contractor shall promptly relocate stored and stockpiled materials when directed by Prime Contractor.
22. Prime Contractor is responsible to promptly remove from the project all surplus material and debris associated with its work.
23. Prime Contractor is responsible for scheduling and coordinating all deliveries required for this scope of work with the Construction Manager and other Prime Contractors. Prime Contractor to provide adequate flagmen, street closures, sidewalk closures, permits, traffic control, etc. for deliveries, transporting on site, pick-ups as required by the project schedule, specifications, job conditions and governing agencies within the jobsite limits.
24. Prime Contractor shall adhere to OSHA safety standards while on the project site and shall engage their designated safety professional to make periodic jobsite walks for safety compliance. Any noted issues or concerns shall be

reported to Construction Manager's Superintendent at the time of visit. Prime Contractor is responsible to maintain/repair/replace any temporary barricades.

25. The general site wide storm water pollution prevention plan (SWPPP) will be prepared and implemented by others. Subcontractor shall assume full responsibility to replace any broken sandbags or any other SWPPP type materials damaged by this Subcontractor during the course of this Subcontractors work.
26. Prime Contractor acknowledges that parking space within the project boundaries is extremely limited. The only trucks in immediate use (Loading/Offloading, welding rigs, rigging, etc.) will be allowed to stage near work areas. Worker parking will be designated by the Construction Manager. Penalties for failure to comply with this requirement are the responsibility of the individual vehicle owner.
27. In the event of conflicts not clarified prior to bidding deadline, Prime Contractor shall assume the most stringent, higher quality and greater quantity of work for bidding purposes. If Prime Contractor still requires clarification after awarded the project, Prime Contractor shall generate an RFI. If appropriate, a deductive change order shall be issued if the clarification results in a reduced scope.
28. Prime Contractor shall furnish and install all mock-ups required by specifications found within this Prime Contractor's scope.
29. Prime Contractor shall include provisions to comply with all delegated-design submittal requirements found within their respective specification sections.
30. Furnish and install all necessary angles, clamps, hangers, channels, Unistrut, supports, wires, cables, threaded rod, misc. steel, isolation devices, seismic anchorage, slack wires, backing, etc.; for all electrical work, equipment, misc. items and light fixtures included in this Contract. All work shall comply with applicable codes and Contract Document requirements.
31. If applicable, furnish and install proper support under conduits and similar items that run horizontally on the roof membrane.
32. The locations, configuration, sizes and height of roof penetrations shall be fully compatible with the type of roof system and manufacturer's warranty. The Roofing Prime Contractor shall approve all such items prior to installation. The design, proper sequence and installation of jacks/flashings shall be coordinated with the installation of the roofing system. The height of all penetrations shall be a minimum of 8" above the highest point of the finished roof surface. Overall dimensions must be based on the thickness of the insulating concrete fill system, rigid insulation, etc., as applicable.
33. Install labeled pull ropes in all spare or empty conduits and conduit systems that are installed under this Contract to be used by other Trades.

34. All fixtures, equipment and work including installation shall fully comply with current handicap codes (even if contrary to the Contract Documents and submittal approvals by the Engineer). This Prime Contractor shall request specific written direction from the Construction Manager before proceeding with any work that is non-compliant.
35. Furnish and coordinate all electrical fixture/equipment templates for cutouts in cabinetry and all other building components, as applicable.
36. Include all excavation, trenching and backfill work as required for systems included in this Contract. All excavation, trenching, bedding materials, shoring, underground utility installation, backfill and compaction shall be pursuant to requirements of specifications, drawings, and this Contract. All areas of excavation shall be returned to existing grades prior to completion of work. Include handwork/grading around conduits, vaults, etc. Haul-off from the site all spoils generated by the work included in this Contract. Any import shall be DTSC approved. Prime Contractor includes lay-out for saw-cut and demo limits for coordination with Demo Prime Contractor. Concrete Prime Contractor shall cover necessary fine grading for new hardscape. Prime Contractor includes all slurry required in underground trenches, per the Contract Documents – Example: 2/E1.2.
37. All light fixture lenses shall be protected by plastic wrapping during the construction period. Remove the plastic wrapping at the completion of the project or as directed by the Construction Manager. Prime Contractor shall also perform the final cleaning of all equipment, light fixtures and fixture lenses at a time as directed by Construction Manager.
38. Perform all specified labeling, stenciling, tagging and identification of all equipment, conduit systems, devices, fixtures, etc., which are included in this Contract.
39. Furnish and install all access doors required for electrical work. The proper type and finish of architectural access doors shall be provided. The type and finish may or may not be specifically listed in the electrical and/or architectural specification sections. Coordinate all openings with the respective Prime contractors (i.e. framing, acoustic ceiling, etc.) The Framing Contractor shall provide the openings in the framing systems. Prime Contractor understands that the intent is to use one manufacturer for all exposed interior access doors.
40. Provide, erect and dismantle all ladders and scaffolding required to perform work. Provide all required rigging and hoisting necessary to perform this scope of work. All lifts and material handling required to perform this scope of work shall be provided by the Electrical contractor.
41. Prime Contractor shall maintain and record as-built information of his work in a current condition. The Prime Contractor shall transfer all as-built information onto the record set of drawings located at the Construction Manager's Field Office. All transferred information shall be neat, legible and in accordance with the guidelines set forth in the contract documents. Failure to provide as-built information in a timely manner will result in progress payments being withheld.

42. All Prime Contractors are responsible for covering of roof openings for a weather tight system prior to rain and rain clean-up.
43. Prime Contractor understands that parking will not be permitted within the limits of work, staff parking, student parking or public parking spaces on campus, unless specifically allowed in the Contract Documents or agreed upon by the District. Prime Contractor acknowledges that food trucks are prohibited from entry to the construction limits of work and Grossmont High School campus. This General Requirement supersedes parking provisions outlined elsewhere in the Contract Documents.
44. Daily clean-up of all debris related to the Work of this Bid Package Contractor is required. All debris generated by this Bid Package Contractor shall be legally removed daily and disposed of offsite by this Bid Package. All Bid Package Contractors, while on site, will provide a clean-up laborer to be included in the weekly clean-up effort for the duration of the project. For bidding purposes, Prime Contractor shall provide a 2 hours of clean-up labor for 60 total weeks.

II. ELECTRICAL INCLUSIONS: The following items are specifically included in the scope of this Contract:

1. All electrical work within the building and site including but not limited to: Electrical Power, Lighting, Communication Systems, Cable Trays, Audio Visual Systems, Clock Systems, Intrusion System, Video Surveillance Security, Fire detection and alarm and all other electrical systems as required by the Contract Documents.
2. Furnish and install all primary, secondary and emergency site underground conduits. Include all items necessary for a complete electrical power service entrance for the designed P.O.C. Coordinate all work and requirements with the serving utilities.
3. Furnish and install a complete fire alarm system, including, but not limited to, conduit, wire, devices, control panels, etc. Coordinate work with HVAC contractor.
4. Furnish/install concrete encasement of underground duct banks as required.
5. Furnish/install all pre-cast concrete pull/splice boxes, transformer pad/slab boxes, frames, covers, plates, grating, manhole covers/frames, grounding devices, and all other accessories required by the Contract Documents and utility company.
6. Furnish and install the Tele/IDF cabinets as noted on the Contract Documents.
7. Furnish and install all electrical grounding systems as required for systems and services that are included in this Contract's scope of work and in the Project's scope of work. Additionally, the Electrical Contractor shall fully coordinate the Building's primary grounding system with all appropriate Trades if this system is connected to/or an integral part of the Project's concrete foundations.
8. Furnish and install plywood backboards for all Electrical/Signal/Communication and similar systems that are shown and required by the Contract Documents.

Backboards shall be fire retardant plywood unless otherwise noted.

9. The Electrical Contractor shall fully coordinate with the Mechanical Contractor(s) with regards to the HVAC energy management/ temperature control systems. The Electrical Contractor has reviewed all the Contract Documents and acknowledges that each specific trade's responsibility to furnish and install each of the specified/ shown components, conduit systems, equipment items and low/line voltage wiring are clearly defined between the Electrical & Mechanical/HVAC Trades so that all items required by the Contract Documents are installed.
10. Include all electrical rough-in, conduit, conductors, line/low-voltage, and final connections to equipment items / work included in this Contract and that which is supplied others; i.e. electrified door hardware, motorized-shades/drapes, projection screens/projectors, drinking fountains, operable walls, door hardware, hand dryers, exhaust fans, Clock systems, fire detection/alarm system, rollup doors, etc.
11. Furnish/install all necessary conduit, wiring, connections required for bells and supervisory systems.
12. Furnish, install, relocate and maintain temporary construction power within the building areas and site. Provide a sufficient quantity of power distribution boxes so that no portion of the site is more than 100' from a power outlet. Electrical Contractor shall furnish all "spider" boxes, cords, connectors, etc. for a complete system. A minimum of two (2) spider boxes / at each building and as required for power by other trades for the full duration of the project. Prime Contractor shall provide step-down transformer(s) from existing distribution panels/electrical panels that are available for use of this project. Available power sources are identified in Appendix A – Available Power Sources.
13. Furnish, install, relocate and maintain all temporary construction light strings and light fixtures throughout the project as required by the Construction Manager. Light levels in all interior areas shall meet minimum OSHA requirements. Furnish and replace all light bulbs/lamps as required throughout the construction period.
14. Disconnect the power & data to the Construction Manager's trailer & IOR's Trailer at the completion of the project. Coordinate with the Construction Manager.
15. Furnish/install power (line/low voltage as applicable), circuiting, wiring and all connections to electrified hardware and related components that are listed in the finish hardware specification section and/or as otherwise required by the Contract Documents. Coordinate all rough-in locations with the Hardware Contractors.
16. Furnish/install electrical rough-in and final connections for all electrical items that are within casework and millwork elements.
17. Furnish and install all electrically illuminated and/or self-illuminated exit signage and "low level" exit signage as required by the Contract Documents.
18. Include removal, repair, re-routing and re-installation of existing electrical

work/services that is required by Contract Documents and that which can be reasonably anticipated to be necessary for proper interface with the new work, existing facilities and construction phasing requirements.

19. T-bar ceiling wires for light fixtures will be provided by others with layout provided by Electrical Contractor. Electrical Contractor will furnish and install for an additional 5% of all light fixture T-bar/wires to replace those existing ceiling wires lost during construction. Electrical Contractor will be responsible for all trapeze and other installation methods where overhead obstructions prohibit/limit the use of ceiling wires. All other above ceiling supports for electrical work will be by the Electrical Contractor.
20. Electrical Contractor to provide power for drinking fountains noted on the plumbing and architectural drawings whether specifically noted or not on electrical prints.
21. Include Security Camera System per the contract documents.
22. All conduits located below the slab on grade shall be located below sub-grade and not in the sand/gravel base.
23. Prime Contractor includes electrical safe-off and demolition coordination of the following: Properly identify and make safe all existing electrical services as required to facilitate the demolition (including a mark-out job-walk) and/or retrofit work within the scope of the Project. Clearly identify all equipment and fixtures scheduled to be demolished for removal by the demolition contractor. Lay out the extents of the demolition. If there is equipment or fixtures that should have been demolished and were not properly identified by the electrical Prime Contractor but are remaining after demolition, this Prime Contractor will be responsible for having them removed. If there are fixtures or equipment scheduled to remain but not properly identified by this Prime Contractor prior to demolition, this Prime Contractor will be required to buy the replacement equipment. Prime Contractor shall include re-cutting, re-grinding and any other required preparation of point of connections where existing equipment/material was removed by the demolition Prime Contractor. Prime Contractor shall account for and participate in on-site job-walks at the beginning of the project specifically for coordinating demolition/safe-off.
24. Provide temporary power and temporary low voltage systems as required to keep occupied portions of the campus operational during construction. Occupied portions of the campus include but are not limited to: buildings, storage units, parking lots (lighting), electrical rooms, IDF rooms, sport facilities, pool equipment room, Gym buildings, etc. It is Prime Contractor's means and methods to maintain power and low-voltage systems throughout the duration of the project. The maintenance of power and low-voltage may not be specifically detailed or noted on the plans.
25. Provide electrical connection to all Owner Furnished and Contractor Furnished equipment.

26. Provide temporary generators if required during shutdowns to keep occupied portions of the campus completely operational. Prime Contractor shall assume all power shutdowns will be performed outside normal school operating hours (6:30am – 4:00pm) with the understanding that sporting events can take place in adjacent buildings/facilities until 10pm, Monday through Friday. Power/data shutdowns will be expected to be coordinated with the school/District a minimum of two weeks in advance to ensure the school and site is prepared for the event.
27. Include all sway bracing and supports for pendant lights.
28. Provide all assisted listening devices.
29. Provide all supports for speakers, audio visual equipment, etc. at all locations.
30. Prime Contractor shall perform the required short-circuit, arc-flash and coordination studies as required by the Contract Documents. If Prime Contractor installs electrical equipment prior to the Engineer of Record reviewing and approving the above-mentioned studies, Prime Contractor shall modify/fix any of the electrical equipment that the Electrical Engineer notes as requiring modification/fixes, at no additional cost to the District.
31. Include complete audio-visual systems.
32. Prime Contractor shall fully coordinate with the Mechanical Prime Contractor with regards to the smoke/fire dampers and duct/mechanical equipment smoke detection systems. The Electrical Prime Contractors shall provide all work related to the fire alarm system. This specifically includes but is not limited to:
 - Duct detectors shall be provided by the electrical contractor, installed into the duct by the mechanical contractor and wired by the electrical contractor.
 - Fire Smoke Dampers shall be provided and installed by the mechanical contractor. All line-voltage, low voltage, transformers and signal/alarm wiring and connections shall be made by the electrical subcontractor. This specifically includes all low voltage and step-down transformers required for a complete system.
 - Variable Frequency Drives shall be furnished and installed by the mechanical contractor. All line voltage to and from the VFD, and all Fire Alarm connections shall be by the electrical subcontractor. Electrical contractor provides final connections/landing.
33. Prime Contractor includes re-programming the fire alarm and intrusion detection systems of existing cafeteria and existing museum/P.E. building prior to demo. Prime Contractor includes a temporary addressable FA panel, until the new addressable panel is installed, per the Contract Documents. For bidding purposes, assume the full duration of the project.

34. Prime Contractor includes one hundred and twenty (120) journeyman labor hours for miscellaneous work. The Construction Manager/District may authorize the use of these hours only.
35. Prime Contractor includes twenty (20) journeyman labor hours for low-voltage work. The Construction Manager/District may authorize the use of these hours only.
36. Prime Contractor has included multiple mobilizations to achieve the requirements of the contract. For bidding purposes, include seven (7) mobilizations. A mobilization is defined as removal and return of equipment and materials. A crew leaving the site is not a demobilization.
37. Prime Contractor includes all temporary lighting for all Prime Trades throughout the duration of the project and shall adhere to OSHA candela requirements for work area access & egress. In addition, Prime Contractor shall provide task lighting as required to complete this Prime Contractor's scope.
38. Prime contractor includes all motor starters required to start-up mechanical equipment.
39. Prime Contractor includes refeeding all utility vaults scheduled to be removed
40. Prime contractor includes all power, low-voltage & fire alarm rough-in required at each coiling door.
41. Prime Contractor includes provisions to comply with all suspended ceiling system requirements for Prime Contractor's finish applications installed within the ceiling grid system, per AD-4.0. Prime Contractor shall include any additional requirements found within the Interpretation of Regulations (IF) 25-2.13 if said requirement is more stringent than the requirements found within the drawings/specifications.
42. Prime Contractor includes lighting control for all rooms, regardless of any explicitly being shown in the plans. Prime Contractor shall assume industry standard and assume the controls are fed from the nearest lighting control panel.
43. Prime Contractor includes provisions to accommodate multiple commissioning/functional testing in order to achieve the project milestones and completion dates shown in the project schedule.
44. Prime Contractor shall coordinate power, low-voltage, fire alarm points of connection (POC) with other Prime Contractor's finish equipment/systems accordingly. If this Prime Contractor fails to properly coordinate final POCs with other Prime Contractors prior to completing installation and the POC is wrong and not feasible given site conditions, this Prime Contractor will be responsible for the costs to relocate the power, low-voltage or fire alarm infrastructure and any subsequent remedial work as a result of the relocation.

45. Prime Contractor includes one (1) 120V duplex receptacle and associated infrastructure for each HVAC control router, regardless of what is shown in the electrical plans.
46. Prime Contractor shall furnish and install all hood switches, light switches, interlock relays and associated wiring & conduit for exhaust fans. Reference M0-6.3 and associated specifications for further clarification.
47. Prime Contractor shall provide sufficient power to all water heaters, hot water circulating pumps & instantaneous water heaters regardless of what is shown on the electrical plans. Prime Contractor shall review the associated specifications of said equipment to ensure sufficient power is provided.
48. Prime Contractor shall include food service equipment scope noted in the Orness drawing sheets and Foodservice Equipment Specification (#114000) regardless of what is shown on other sheets in the plans. Prime Contractor's food service scope includes but is not limited to:
 - All electrical, fire alarm and low-voltage infrastructure for food service equipment, as shown in the Orness drawing sheets and Foodservice Equipment Specification.
 - All conduit, wiring, j-boxes, receptacles & raceways
 - Prime Contractor shall cover all scope noted in the Orness plans or #114000 specifications that note scope by electrician contractor, 'E.C.', fire alarm contractor, low-voltage contractor, or any reference to an electrician.
 - Final connections of all equipment requiring power, fire alarm or low-voltage – Unless specifically noted otherwise.
 - Receive equipment supplied by 'KEC' (Kitchen Equipment Contractor)/Food Service Equipment Prime Contractor that requires this Prime Contractor's final connection/installation.
 - Prime Contractor shall reference Appendix Z – Food Service Equipment Scope Matrix for additional clarification of food service scope responsibility.
49. Prime Contractor includes all provisions to complete scope shown on E1.2, including the 6" DIA perforated drain pipe, per 6/E1.2.
50. Prime Contractor includes all power and low-voltage infrastructure for the new stadium press-box and ticket-booth building.
51. Prime Contractors includes furnishing and installing all floor boxes and floor box pour floor pans. Prime Contractor shall coordinate with concrete Prime Contractor to ensure floor boxes are located properly pre-pour and shall be present during the

day of the pour to ensure floor boxes remain level and undisturbed. It is this Prime Contractor's responsibility to provide a level floor box with a floor box lid that is code-compliant and free from trip hazards.

52. Prime Contractor is responsible for any scope referenced in the plans and specifications as 'by the electrical contractor.'
53. Prime Contractor shall coordinate & provide a new meter at new distribution panelboard 'DPHK'.
54. Prime Contractor shall salvage and reinstall existing submeters per Appendix B – Salvage Submeters.
55. Prime Contractor has reviewed Attachment L - DEHQ-FHD Approval and Conditions and shall comply with item #7.
56. Prime Contractor shall include provisions to execute scope, as shown in supplemental Appendix Z – Food Service Equipment Scope Matrix. In the event the plans or specification #114000 conflicts with the Appendix Z matrix and explicitly states a certain contractor shall provide or install specific scope, Prime Contractor shall assume the plans or specification #114000 governs. Appendix Z is meant to help clarify the involvement of multiple Prime Contractors for each specific kitchen equipment.
57. Prime Contractor shall assume all manholes and pull-boxes are full of water/liquid and require pumping and legal dumping offsite. We understand that the water level in the existing manholes and pull-boxes are unquantifiable at the time of bid based on the unexpected amount of rainfall and frequency of water evaporation; therefore Prime Contractor includes forty (40) journeyman labor hours for pumping vault liquid, hauling liquid and legally dumping liquid at an appropriate facility.
58. Prime Contractor includes furnishing & installing two hundred (200) lineal feet (LF) of 1/2" conduit and CAT-6 cable. This shall include installation of pull-string and coiling extra slack in a single gang box with a blank faceplate. CAT-6 cable at head-end shall be coordinated with the Construction Manager.
59. Prime Contractor shall provide a minimum of (10) work lights (minimum 4,000 lumens) to be fixed to the existing pool fence and (5) minimum 4' tall tripod work lights (minimum 4,000 lumens) – locations to be coordinated with the District. Prime Contractor shall include labor to install the above-mentioned lights.
60. Prime Contractor has reviewed the on-site soils conditions and fully understands and acknowledges the quality of the existing soil. For bidding purposes Prime Contractor shall include export of all excavated soils and import of select material for fill and backfill in complete compliance with the Contract Documents for all existing utility backfill and grading areas. Include haul-off and disposal of all debris, existing fill materials, spoils and surplus soil/cobbles/boulders. Prime Contractor includes industry standard equipment or equipment recommended to perform the work described in the Geotechnical Report. Prime Contractor

acknowledges the presence of cobble, gravel, and Stadium Conglomerate and includes provisions for removal, as necessary to complete this Prime Contractor's scope. Provisions for removal include, but are not limited to screening, breaking, utilizing appropriate heavy equipment, etc. Prime Contractor has reviewed the boring logs and acknowledges the presence of concrete sections beneath asphalt paving. Prime Contractor shall assume concrete identified in boring data to be present in a minimum of two hundred (200) square feet surrounding the associated boring location.

61. Prime Contractor shall furnish and install fire-rated plywood backboards, anchorage and fire-rated painting, per 7/E4.5, 2&3/E4.4 and per applicable specifications.
62. Provide separate power supply and disconnects for modulating power exhausts with economizers at ALL rooftop HVAC equipment regardless if the HVAC mechanical schedules require power disconnects at each rooftop HVAC equipment.
63. Immediately and continuously de-water and pump out to appropriate drainage receptacle; all excavations as required by water ponding and weather conditions. Automatic pumps shall be used during all off-hour periods of construction. Immediately clean, "muck-out", remove soft/muddy soils from all pit/trench excavations as required by Inspector or Soils Engineer so that work may continue. Reference Supplemental Conditions for further rain damage prevention responsibilities.
64. Finish Prime Contractor includes all in-wall flat-strap backing and rough carpentry Prime Contractor includes all in-wall and above ceiling structural wood-framed backing. Prime Contractor shall coordinate accordingly and layout backing where required for this Prime Contractor's scope.

III. **ALLOWANCES:** The following allowances are included in this scope of work. Construction Manager must agree to the price, type and extent of additional scope before work is started. Field tickets must be signed by Construction Manager's Superintendent on a daily basis to account for the time, material, and equipment used from these allowances. All time, material, and equipment used from these allowances will be billed against these allowances and any portion of the original allowance amount not used will be credited back to the Owner at the end of this Contract's scope of work as a deductive change order. This Article is separate and exclusive from all other Work required by the Contract.

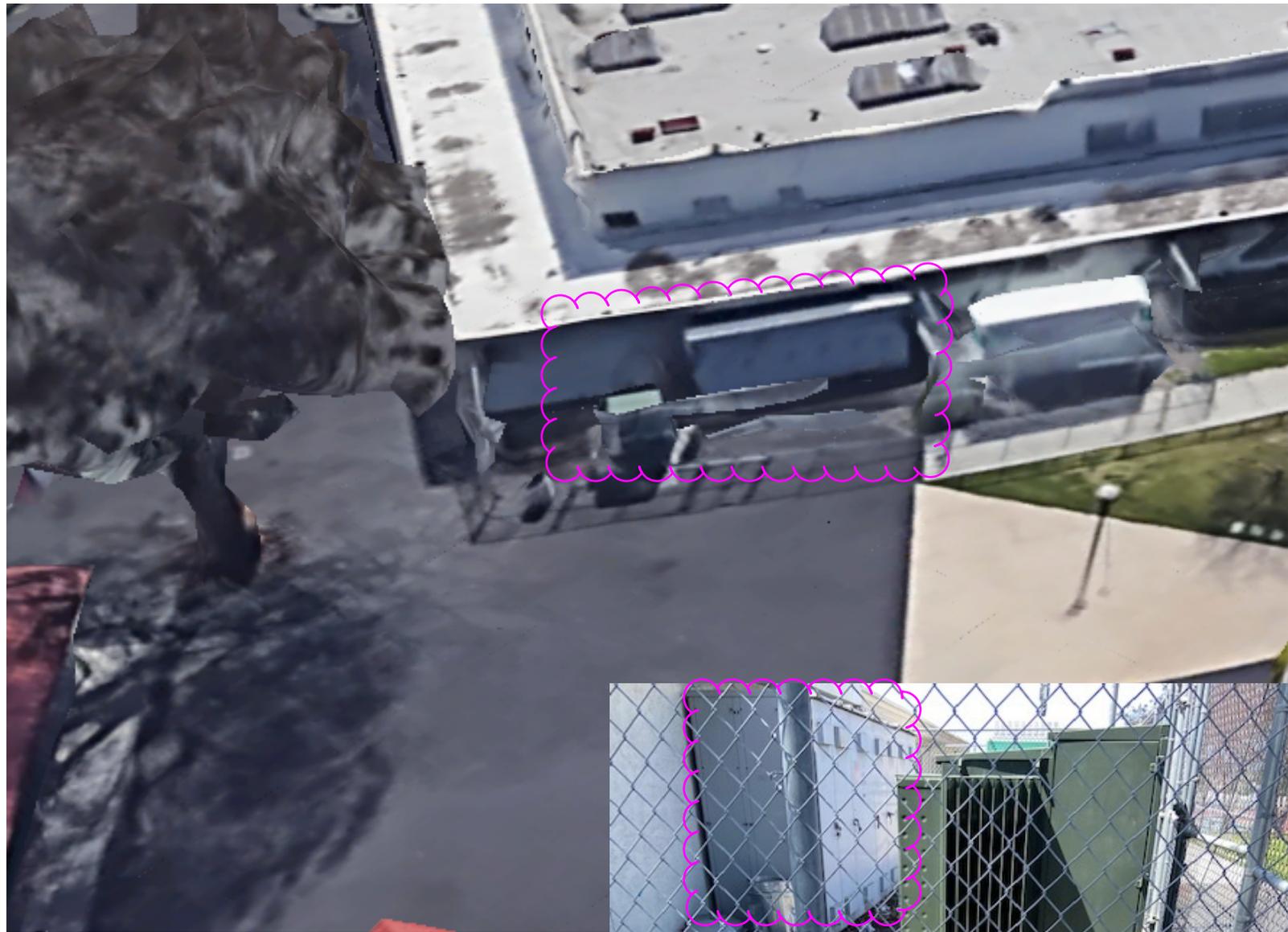
- CN-2991 Allowance #1: Unforeseen Conditions = \$25,000.00

II. **ALTERNATES:** N/A

III. **EXCLUSIONS:** N/A

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APPENDIX A - AVAILABLE POWER SOURCES



SIEMENS

SIEMENS

Switchboard Type / Cat. No.	533 Rev. A		
S.O.	17-28988-00010-31	Location §	
System	480V/277V, 3PH 4W		
Enclosure Type	3R	Manufacturing Date	11105
Supply	Section	Bus	SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT
400A	400A	Mains	
400A	400A	Neutral	

The short circuit current rating of this switchboard section is 100,000 RMS symmetrical amperes at 480 volts max. The short circuit current rating is limited to the lowest short circuit current rating of any switchboard section connected in series or the lowest short circuit rating of any device installed. Additional or replacement devices shall be of the same manufacture, type designation, and short circuit rating.

UL LISTED DEADFRONT SWITCHBOARD SECTION
1 OF 6
No. F-143127

Breaker handle in intermediate position indicates tripped. To reset, move handle to extreme off position, then on.

DANGER
Hazardous voltage. Will cause death or serious injury.
Keep out. Qualified personnel only. Disconnect and lock off all power before working on this equipment.

SIEMENS ENERGY & AUTOMATION, INC.
Atlanta, Ga. U.S.A.

For emergency service call 1-800-241-4433

SIEMENS

Switchboard Type / Cat. No.	533 Rev. A		
S.O.	17-28988-00010-02	Location §	
System	480V/277V, 3PH 4W		
Enclosure Type	3R	Manufacturing Date	11105
Supply	Section	Bus	SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT
400A	400A	Mains	
400A	400A	Neutral	

The short circuit current rating of this switchboard section is 100,000 RMS symmetrical amperes at 480 volts max. The short circuit current rating is limited to the lowest short circuit current rating of any switchboard section connected in series or the lowest short circuit rating of any device installed. Additional or replacement devices shall be of the same manufacture, type designation, and short circuit rating. This section contains a bonding jumper and a grounding terminal and a neutral disconnect.

UL LISTED DEADFRONT SWITCHBOARD SECTION
2 OF 6
No. F-143136

Breaker handle in intermediate position indicates tripped. To reset, move handle to extreme off position, then on.

DANGER
Hazardous voltage. Will cause death or serious injury.
Keep out. Qualified personnel only. Disconnect and lock off all power before working on this equipment.

SIEMENS ENERGY & AUTOMATION, INC.
Atlanta, Ga. U.S.A.

For emergency service call 1-800-241-4433

SIEMENS

Switchboard Type / Cat. No. 883 Rev. A

S.O. 17-28868-000010-03 Location S

System 480Y/277V, 3PH 4W

Enclosure Type 3R Manufacturing Date 11/06

Supply	Section	Bus
4000A	1800A	Mains
4000A	1800A	Neutral

The short circuit current rating of this switchboard section is 100,000 RMS symmetrical amperes at 480 volts max. The short circuit current rating is limited to the lowest short circuit current rating of any switchboard section connected in series or the lowest short circuit rating of any device installed. Additional or replacement devices shall be of the same manufacture, type designation, and short circuit rating.

 **DEADFRONT SWITCHBOARD SECTION**
LISTED
3 OF 6
No. F-143157
Printed in U.S.A.

Breaker handle in intermediate position indicates tripped. To reset, move handle to extreme off position, then on.



⚠ DANGER

Hazardous voltage. Will cause death or serious injury.

Keep out. Qualified personnel only. Disconnect and lock off all power before working on this equipment.

SIEMENS ENERGY & AUTOMATION, INC.
Atlanta, Ga. U.S.A.

For emergency service
call 1-800-241-4453
12-A-0001-01 REV. 1

SIEMENS

Switchboard Type / Cat. No. 883 Rev. A

S.O. 17-28868-000010-04 Location S

System 480Y/277V, 3PH 4W

Enclosure Type 3R Manufacturing Date 11/06

Supply	Section	Bus
4000A	2500A	Mains
4000A	2500A	Neutral

The short circuit current rating of this switchboard section is 100,000 RMS symmetrical amperes at 480 volts max. The short circuit current rating is limited to the lowest short circuit current rating of any switchboard section connected in series or the lowest short circuit rating of any device installed. Additional or replacement devices shall be of the same manufacture, type designation, and short circuit rating.

 **DEADFRONT SWITCHBOARD SECTION**
LISTED
4 OF 6
No. F-143086
Printed in U.S.A.

Breaker handle in intermediate position indicates tripped. To reset, move handle to extreme off position, then on.



⚠ DANGER

Hazardous voltage. Will cause death or serious injury.

Keep out. Qualified personnel only. Disconnect and lock off all power before working on this equipment.

SIEMENS ENERGY & AUTOMATION, INC.
Atlanta, Ga. U.S.A.

For emergency service
call 1-800-241-4453

SIEMENS

Switchboard Type / Cat. No. 383 Rev. A
 S.O. 17-28958 - 000010-05 Location 8
 System 480V277V, 3PH 4W

Enclosure Type	38	Manufacturing Date	11/06
Supply	Section	Bus	
4000A		Mains	
4000A		Neutral	

The short circuit current rating of this switchboard section is 100,000 RMS symmetrical amperes at 480 volts max. The short circuit current rating is limited to the lowest short circuit current rating of any switchboard section connected in series or the lowest short circuit rating of any device installed. Additional or replacement devices shall be of the same manufacturer, type designation, and short circuit rating.

UL LISTED DEADFRONT SWITCHBOARD SECTION
 5 OF 6
 No. F-143107

Breaker handle in intermediate position indicates tripped. To reset, move handle to extreme off position, then on.

⚠ DANGER
 Hazardous voltage. Will cause death or serious injury.
 Keep out. Qualified personnel only. Disconnect and lock off all power before working on this equipment.

SIEMENS ENERGY & AUTOMATION, INC. Atlanta, Ga. U.S.A. For emergency service call 1-800-241-4453

SIEMENS

Switchboard Type / Cat. No. 383 Rev. A
 S.O. 17-28958 - 000010-05 Location 8
 System 480V277V, 3PH 4W

Enclosure Type	38	Manufacturing Date	11/06
Supply	Section	Bus	
4000A	2000A	Mains	
4000A	2000A	Neutral	

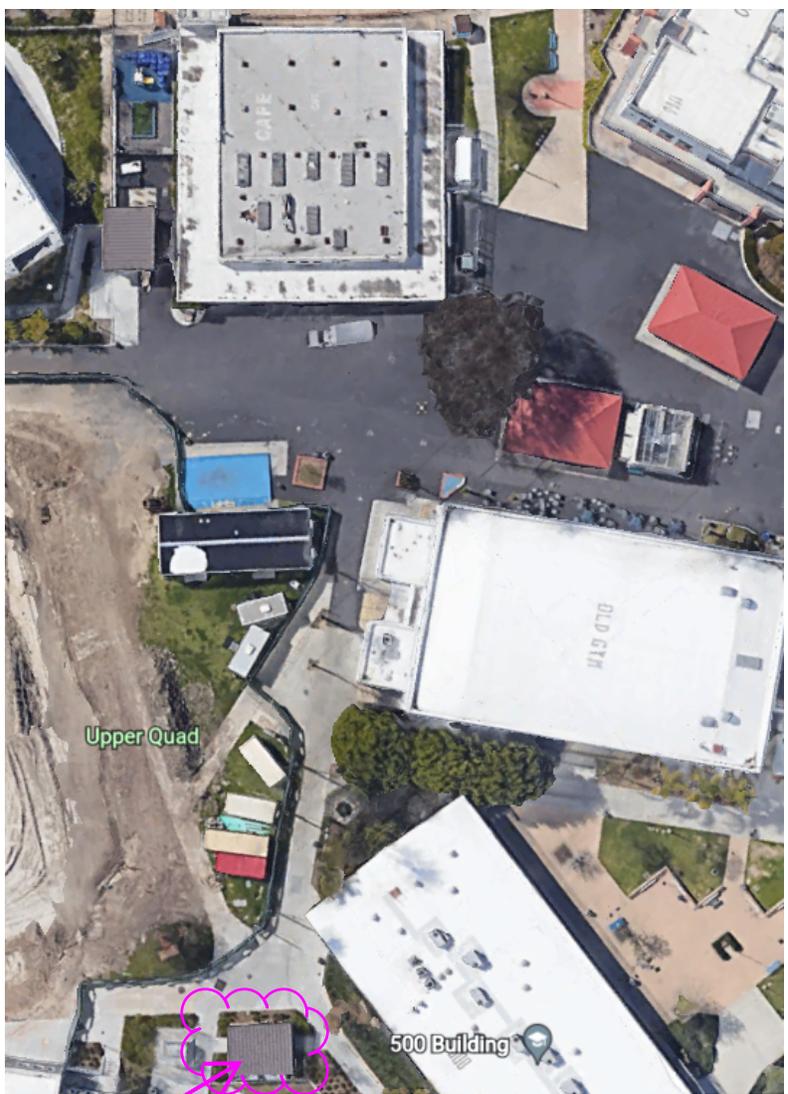
The short circuit current rating of this switchboard section is 100,000 RMS symmetrical amperes at 480 volts max. The short circuit current rating is limited to the lowest short circuit current rating of any switchboard section connected in series or the lowest short circuit rating of any device installed. Additional or replacement devices shall be of the same manufacturer, type designation, and short circuit rating.

UL LISTED DEADFRONT SWITCHBOARD SECTION
 6 OF 6
 No. F-143120

Breaker handle in intermediate position indicates tripped. To reset, move handle to extreme off position, then on.

⚠ DANGER
 Hazardous voltage. Will cause death or serious injury.
 Keep out. Qualified personnel only. Disconnect and lock off all power before working on this equipment.

SIEMENS ENERGY & AUTOMATION, INC. Atlanta, Ga. U.S.A. For emergency service call 1-800-241-4453

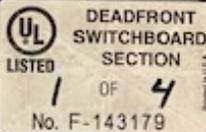


PANEL H2

SIEMENS

Switchboard Type / Cat. No. S83 Rev. A		
S.O.	17-28868-A0000-01	Location S
System		
Enclosure Type 3R		Manufacturing Date 11/05
Supply	Section	Bus
		Mains
		Neutral

The short circuit current rating of this switchboard section is 0,000 RMS symmetrical amperes at 0 volts max. The short circuit current rating is limited to the lowest short circuit current rating of any switchboard section connected in series or the lowest short circuit rating of any device installed. Additional or replacement devices shall be of the same manufacture, type designation, and short circuit rating.



Breaker handle in intermediate position indicates tripped. To reset, move handle to extreme off position, then on.



DANGER
Hazardous voltage.
Will cause death or serious injury.

Keep out.
Qualified personnel only.
Disconnect and lock off all power before working on this equipment.

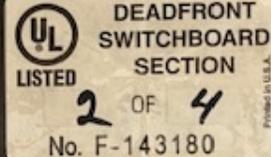
SIEMENS ENERGY & AUTOMATION, INC.
Atlanta, Ga. U.S.A.

For emergency service
call 1-800-241-4453
TS-A-1023-01 REV. 1

SIEMENS

Switchboard Type / Cat. No. S83 Rev. A		
S.O.	17-28868-A00030-02	Location S
System 480Y/277V, 3PH 4W		
Enclosure Type 3R		Manufacturing Date 11/05
Supply	Section	Bus
1800A	1800A	Mains
1800A	1800A	Neutral

The short circuit current rating of this switchboard section is 65,000 RMS symmetrical amperes at 480 volts max. The short circuit current rating is limited to the lowest short circuit current rating of any switchboard section connected in series or the lowest short circuit rating of any device installed. Additional or replacement devices shall be of the same manufacture, type designation, and short circuit rating.



Breaker handle in intermediate position indicates tripped. To reset, move handle to extreme off position, then on.



DANGER
Hazardous voltage.
Will cause death or serious injury.

Keep out.
Qualified personnel only.
Disconnect and lock off all power before working on this equipment.

SIEMENS ENERGY & AUTOMATION, INC.
Atlanta, Ga. U.S.A.

For emergency service
call 1-800-241-4453
TS-A-1023-01 REV. 1

SIEMENS

Switchboard Type / Cat. No. 553 116V, A		
S.O. 17-28688-A00030-03	Location 5	
System 480Y/277V, 3PH 4W		
Enclosure Type 2R		Manufacturing Date 11/06
Supply	Section	Bus
1800A	1800A	Mains
1800A	1800A	Neutral

The short circuit current rating of this switchboard section is 65,000 RMS symmetrical amperes at 480 volts max. The short circuit current rating is limited to the lowest short circuit current rating of any switchboard section connected in series or the lowest short circuit rating of any device installed. Additional or replacement devices shall be of the same manufacture, type designation, and short circuit rating.

DEADFRONT SWITCHBOARD SECTION
 LISTED **3** OF **4**
 No. F-143177

Printed in U.S.A.

Breaker handle in intermediate position indicates tripped. To reset, move handle to extreme off position, then on.

⚠ DANGER
Hazardous voltage. Will cause death or serious injury.
 Keep out. Qualified personnel only. Disconnect and lock off all power before working on this equipment.

SIEMENS ENERGY & AUTOMATION, INC. Atlanta, Ga. U.S.A. For emergency service call 1-800-241-4453 12-A-1024-01 Rev. 1



SIEMENS

Panel Type	System	Provisions are for device type
P1	208Y/120 3 Ph 4 W	0L, 0LN, 0R, 0LR 0L, 0LN, 0R, 0LR 0L, 0LN, 0R, 0LR
250 Amps Max (See main device or breaker)		Minimum size 0L, 0LN, 0R, 0LR is 20' x 4 7/8" x 18"

Siemens Energy & Automation, Inc. Atlanta, Ga. USA For emergency service call 1-800-241-4453 12-A-1024-01 Rev. 1

Catalog Number: P1C1954125ATS
 Sales Order Number: 80-25669
 Customer Marking: 2
 Item Number: B00030
 Location: C
 Date: 08/25/06

Field conductors may be sized for 60° or 75° C/133 or AL unless noted otherwise on the device.
 Use Siemens QF-3 Silver plates to cover unused 1" circuit spaces.
 Field installable kits to add main and to customize the panel are listed on the rear of the dead front.

The short circuit rating of this switchboard is 25,000 rms symmetrical amperes at 240 volts max. or 22,000 rms symmetrical amperes if equipped with main lugs with feed - this lugs with the protective device, or the listed rated device installed, whichever is listed, unless a series combination rating is utilized. Additional or replacement breakers shall be of the same manufacture and type as those installed, and shall have equal or greater short circuit ratings. If series combination ratings are utilized, consult Bulletin 95-P174-02/01 located in a pocket behind the door or cover before installation or replacement of components. If a replacement breaker is required, please call 1-800-864-4174 for your nearest Siemens sales office. Siemens Energy & Automation, Inc.

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">PANEL 2</th> <th colspan="2">FED FROM: T2</th> </tr> </thead> <tbody> <tr><td>1</td><td>SPARE</td><td>2</td><td>FIRE ALARM</td></tr> <tr><td>3</td><td>SPARE</td><td>4</td><td>RECEPTACLE</td></tr> <tr><td>5</td><td>SPARE</td><td>6</td><td>RECEPTACLE</td></tr> <tr><td>7</td><td>SPACE</td><td>8</td><td>SPACE</td></tr> <tr><td>9</td><td>SPACE</td><td>10</td><td>SPACE</td></tr> <tr><td>11</td><td>SPACE</td><td>12</td><td>SPACE</td></tr> <tr><td>13</td><td>SPACE</td><td>14</td><td>SPACE</td></tr> <tr><td>15</td><td>SPACE</td><td>16</td><td>SPACE</td></tr> <tr><td>17</td><td>SPACE</td><td>18</td><td>SPACE</td></tr> </tbody> </table>	PANEL 2		FED FROM: T2		1	SPARE	2	FIRE ALARM	3	SPARE	4	RECEPTACLE	5	SPARE	6	RECEPTACLE	7	SPACE	8	SPACE	9	SPACE	10	SPACE	11	SPACE	12	SPACE	13	SPACE	14	SPACE	15	SPACE	16	SPACE	17	SPACE	18	SPACE	
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APPENDIX B - SALVAGE SUBMETERS

GHS FOOD SERVICE SUBMETERING SCOPE

(Revised June 28, 2022)

Pre-demolition scope –

Remove (5) existing Honeywell E34 submeters, including over current protection devices, and current transducers monitoring the following existing electrical panels:

- Electrical Panel “A” -- E34-208200-R04 (return to District)
- Electrical Panel “B” – E34-208100-R04 (return to District)
- Electrical Panel “C” – E34-208100-R04 (return to District)
- Electrical Panel “E” – E34-208200-R04 (return to District)
- Electrical Panel “P1” – E34-208400-R04 (return to District)

Construction scope –

- Distribution Panelboard “DPHK”- Install a new Honeywell E34-480/400-R04KIT* submeter, TBWC/OCP-3P over current device, and current transducers onto electrical panel feeds.

*Division 26 to provide an Ethernet RJ45 connection to District’s network. Controls Contractor to provide integration of submeter into the District’s EMS to allow for the monitoring of Food Service KW usage.

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APPENDIX Z - FOOD SERVICE EQUIPMENT SCOPE MATRIX

GHS Kitchen & Weight Room Project - Food Service Scope Matrix

CN-2987	Prime: Food Service Equipment
CN-2989	Prime: Plumbing
CN-2990	Prime: HVAC
CN-2991	Prime: Electrical
District	Owner Furnished

*Refer to K-2 Orness sheet, Specification #114000 & associated Scope of Work for further clarification. Coordinate backing with respective Prime Contractor. MEP Prime Contractors perform final utility connections of equipment, unless specifically noted otherwise - 'Installation by' column represents setting/anchoring equipment, NOT 'final utility connections'

Equipment Item #	Description	Furnished By	Infrastructure #1 (MEP-FA) By	Infrastructure #2 (MEP-FA) By	Installation By	Notes
1	MOP SINK, FLOOR MOUNTED (24"x24"x12")	CN-2989	CN-2989	N/A	CN-2989	
2	MOP SINK FAUCET	CN-2989	CN-2989	N/A	CN-2989	
3	RACK, BRUSH/BROOM	CN-2987	N/A	N/A	CN-2987	
4	WALL STORAGE WALL SHELF	CN-2987	N/A	N/A	CN-2987	
5	AIR CURTAIN	CN-2987	CN-2991	CN-2991	CN-2991	
6	EMPLOYEE LOCKERS	District	N/A	N/A	CN-2987	Coordinate lockers with Concrete Prime
7	WALK-IN FREEZER w/ LIGHTS	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
8	WALK-IN FREEZER EVAPORATOR COIL (FAN) W/KE2 CONTROL	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
9	WIRE SHELVING, FREESTANDING	District	N/A	N/A	CN-2987	
10	WALK-IN COOLER w/ LIGHTS	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
11	WALK-IN COOLER EVAPORATOR COIL (FAN) W/KE2 CONTROL	CN-2987	CN-2991	CN-2989	CN-2987	Coordinate with Concrete Prime
12	REFRIGERATION RACK	CN-2987	CN-2991	CN-2989	CN-2987	
13	CORNER GUARDS, L-SHAPE	CN-2987	N/A	N/A	CN-2987	
14	CORNER GUARDS, U-SHAPE	CN-2987	N/A	N/A	CN-2987	
15	SPARE NUMBER	N/A	N/A	N/A	N/A	
16	DRY SHELVING, FREESTANDING	District	N/A	N/A	CN-2987	
17	ICE MACHINES	CN-2987	CN-2991	CN-2989	CN-2987	Plumber & electrician make connections
18	BIN, ICE	CN-2987	CN-2989	N/A	CN-2987	
19	WATER FILTER, ICE	CN-2987	CN-2989	N/A	CN-2987	
19.1	BACKFLOW PREVENTOR	CN-2989	CN-2989	N/A	CN-2989	
20	HAND SINK, WALL MOUNT	CN-2987	CN-2989	N/A	CN-2989	
20.1	FAUCET, ELECTRIC	CN-2987	CN-2991	CN-2989	CN-2989	
21	INTELLIGATE WEB-BASED GATEWAY	N/A	N/A	N/A	N/A	
22	INTELLISENSOR FOR TEMPERATURE & DOOR	N/A	N/A	N/A	N/A	
23	SPARE NUMBER	N/A	N/A	N/A	N/A	
24	3 - COMPARTMENT SINK	CN-2987	CN-2989	N/A	CN-2989	
25	PRE-RINSE FAUCET, BACKSPASH MOUNT	CN-2987	CN-2989	N/A	CN-2989	
26	WALL STORAGE WALL SHELF	CN-2987	N/A	N/A	CN-2987	
27	POT RACK, STAINLESS STEEL	CN-2987	N/A	N/A	CN-2987	
28	WALL STORAGE WALL SHELF	CN-2987	N/A	N/A	CN-2987	
29	SOILED DISH TABLE w/ SCRAPPED SINK	CN-2987	CN-2989	N/A	CN-2989	
30	PRE-RINSE FAUCET, BACKSPASH MOUNT	CN-2987	CN-2989	N/A	CN-2989	
31	QUICK DRAIN	CN-2987	CN-2989	N/A	CN-2989	
32	WAREWASHER, DOOR TYPE, HIGH TEMP w/ BOOSTER	CN-2987	CN-2991	CN-2989	CN-2989	
33	TYPE-II STEAM EXHAUST HOOD	CN-2987	CN-2990	CN-2990	CN-2987	
34	EXHAUST FAN	CN-2990	CN-2990	CN-2991	CN-2990	
35	SPARE NUMBER	N/A	N/A	N/A	N/A	
36	DISH TABLE, CLEAN	CN-2987	N/A	N/A	CN-2987	
37	POT SHELVING, FREESTANDING	District	N/A	N/A	CN-2987	
38	SPARE NUMBER	N/A	N/A	N/A	N/A	
39	SPARE NUMBER	N/A	N/A	N/A	N/A	
40	SPARE NUMBER	N/A	N/A	N/A	N/A	
41	PREP TABLE w/ DOUBLE PREP SINK, ADA	CN-2987	CN-2989	N/A	CN-2989	
42	FAUCET	CN-2987	CN-2989	N/A	CN-2989	
43	WALL STORAGE WALL SHELF	CN-2988	N/A	N/A	CN-2987	
44	SPARE NUMBER	N/A	N/A	N/A	N/A	
45	INSULATED HOT CABINET, MOBILE	District	CN-2991	CN-2991	District	
46	ISLAND PREP TABLE w/ INTEGRAL PREP SINK	CN-2988	CN-2989	N/A	CN-2989	
47	FAUCET	CN-2988	CN-2989	N/A	CN-2989	
48	COMMERCIAL MICROWAVE OVEN	District	CN-2991	CN-2991	District	
49	RACK, PAN	District	District	District	District	
50	WORK TABLE	District	N/A	N/A	CN-2987	
51	COOK & HOLD QUIK THERM, MOBILE	District	CN-2991	CN-2991	District	
52	SPARE NUMBER	N/A	N/A	N/A	N/A	
53A	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
53B	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
54A	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
54B	CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
55	TILTING SKILLET, GAS	District	CN-2991	CN-2989	CN-2989	
56	FLOOR TROUGH	CN-2987	CN-2989	N/A	CN-2989	
57	6-BURNER RANGE w/ CONVECTION OVEN, GAS	District	CN-2991	CN-2989	CN-2989	
58	SPARE NUMBER	N/A	N/A	N/A	N/A	
59	SPARE NUMBER	N/A	N/A	N/A	N/A	
60	SPARE NUMBER	N/A	N/A	N/A	N/A	
61	TYPE-I GREASE EXHAUST HOOD w/ LIGHTS	CN-2987	CN-2990	CN-2991	CN-2987	
62	EXHAUST FAN	CN-2990	CN-2990	CN-2991	CN-2990	
63	MAKE-UP AIR	CN-2990	CN-2990	CN-2991	CN-2990	
64	STAINLESS STEEL WALL PANELS	CN-2987	N/A	N/A	CN-2987	
65	QUICK GAS DISCONNECT	CN-2987	CN-2989	N/A	CN-2989	
66	FIRE SUPPRESSION SYSTEM; ANSUL AUTOMAN	CN-2987	CN-2991	CN-2989	CN-2987	Electrical Prime has E+FA infrastructure to box microswitches and gas valve reset relay
67	REMOTE PULL STATION FOR FIRE SUPPRESSION SYSTEM	CN-2987	CN-2991	CN-2989	CN-2987	Electrician rough-in conduit. KEC has pull box & cables
68	K-TYPE FIRE EXTINGUISHER, RECESSED	CN-2987	N/A	N/A	CN-2987	
69	GAS SHUT OFF VALVE	CN-2987	CN-2989	N/A	CN-2989	Plumber installs shut-off valve. Electrician wires back to hood ansul cabinet
70	WALL MOUNTED CONTROL CABINET	CN-2987	CN-2990	CN-2989	CN-2990	
71	SPARE NUMBER	N/A	N/A	N/A	N/A	
72	SPARE NUMBER	N/A	N/A	N/A	N/A	
73	REFRIGERATOR, PASS-THRU	District	CN-2991	N/A	CN-2987	
74	CABINET, WARMING & HOLDING, PASS-THRU	District	CN-2991	N/A	CN-2987	
75	P.O.S. CART	District	N/A	N/A	CN-2987	
76	P.O.S. & CARD READER	District	CN-2991	CN-2991	District	
77	SERVING CART, COLD	District	CN-2991	N/A	CN-2987	
78	SERVING CART, HOT	District	CN-2991	N/A	CN-2987	
79	DOUBLE SIDED SNEEZE GUARD, SELF-SERVE	District	N/A	N/A	CN-2987	
80	SERVING CART, COLD	District	CN-2991	N/A	CN-2987	
81	MILK COOLER	District	CN-2991	N/A	CN-2987	
82	AIR CURTAIN	CN-2987	CN-2991	N/A	CN-2987	

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