

ADDENDUM NO. 04
DATE: May 7, 2020
PROJECT: Inglemoor High School Concert Hall + Music Building Project

The additions, clarifications and corrections herein shall be made to the Project Manual, Drawings and Schedules for the above-referenced project, and shall be included in the scope of work and proposals to be submitted.

NOTE: References made below to the Project Manual and Drawings shall be used as a general guide only. The Bidders themselves shall determine the work affected by the Addendum items.

PROJECT MANUEL ITEMS

1. Section 002413 Specific Scope of Work (Revised Section can be found at end of this addendum in its entirety for convenience).
 - a. Bid Package BP-03.1: revise Table in paragraph 2.1.A as follows:

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
03 30 00	Cast-In-Place Concrete	Complete
03 35 43	Special Concrete Floor Finish	Complete
03 45 00	Precast Architectural Concrete	Complete
07 11 13	Bituminous Dampproofing	Complete
07 17 00	Bentonite Waterproofing	Complete
07 21 00	Thermal Insulation	As Applies to this Scope of Work

- b. Bid Package BP-03.1: Add paragraph 2.1.B.16.26: Provide Retaining Wall at monument stairs per detail E/L4.01.
 - c. Bid Package BP-03.1: Replace paragraph 2.1.B.17.10 in its entirety with the following:

10. Trade Contractor acknowledges that due to coordination requirements and lead times the erection of the precast will occur after complete steel erection, slab on metal deck placement and roof construction. As such Trade Contractor to provide means and methods for precast erection within fully enclosed building. If Trade Contractor is able to achieve precast erection in advance of complete steel erection, slab on metal deck placement and/or roof construction it will be allowed only if doing so does not add cost or schedule impact to Other Bid Packages AND BP-03.1 Trade Contractor shall then fully protect the precast in a manner robust enough to prevent any damage to precast finish

during the remaining structural and rough-in phases of the work, and later remove the protection once hazard of damage from other Work is ceased. In addition, BP-03.1 Trade Contractor is responsible for and must correct any damage to precast consistent with section 034500 repair requirements. The precast elements are an architectural finish product.

OTHER ITEMS

1. Addendum NO. 4 from Hutteball + Oremus Architecture dated May 7, 2020 is attached to this addendum.

SECTION 00 2413 – SPECIFIC SCOPE OF WORK (BY BID PACKAGE)

PART 1 - SUMMARY

1.1 The following pages enumerate the Specific Scope of Work for each bid package. Trade Contractors are responsible for providing all supervision, labor, materials, tools, transportation, equipment, scaffolding, hoisting, and other appurtenances necessary for completion of the Work as is described below and as may be additionally provided in the Contract Documents.

A. This section includes the specific scope of work for the bid packages noted below:

B.

BP #	Bid Package Description	Section Ref
BP-03.1	BUILDING CONCRETE	2.1
BP-05.1	STEEL FABRICATION/ERECTION	2.2
BP-06.1	CASEWORK & FINISH CARPENTRY	2.3
BP-07.1	METAL PANELS, SHEET METAL & FLASHINGS	2.4
BP-07.2	ROOFING	2.5
BP-08.1	ALUMINUM WINDOW SYSTEMS & GLAZING	2.6
BP-08.2	OPENINGS	2.7
BP-09.1	FRAMING & GWB	2.8
BP-09.2	ACOUSTICAL CEILINGS & TREATMENTS	2.9
BP-09.3a	CARPET	2.10
BP-09.3b	RESILIENT	2.11
BP-09.4	TILING	2.12
BP-09.5	PAINTING, COATINGS & SEALANTS	2.13
BP-10.1	CONSTRUCTION SPECIALTIES	2.14
BP-14.1	ELEVATORS	2.15
BP-21.1	FIRE SPRINKLERS	2.16
BP-22.1	MECHANICAL	2.17
BP-31.1	SITE DEVELOPMENT	2.18
BP-32.1	LANDSCAPE & IRRIGATION	2.19

C. NOTE TO PROSPECTIVE BIDDERS: Bidders may submit separate and/or combined bids for bid packages BP-03.1 and BP-05.1. In order to submit a combined bid, bidders must identify this on the first line of the Bid Form by writing in all Bid Package title numbers (BP-03.1 & BP-05.1) for which their base bid includes. Combined bids and separate bids may be submitted on separate bid forms within the same envelope or email and covered by the same Bid Bond, or separate envelopes and separate bid bonds at the bidder's discretion. Award will be made based on the lowest total of individual or combined bids.

1.2 DEFINITIONS

- A. "Complete" means furnished, installed and performed as necessary to complete the work required by the contract documents and all related references. No exclusions, unless specifically listed as an exclusion to the bid package scope work.
- B. "As Applicable" means that a portion of the specification section referenced applies to the bid package scope of work as defined in the inclusions and exclusions within each bid package.
- C. "Provide" means furnished and installed, all labor, material, equipment, hoisting, supervision, and incidentals to furnish and install the work complete.
- D. "BP" means Bid Package
- E. "BP-XX" is an abbreviation for and means the responsible Bid Package Trade Contractor for Bid Package number being referenced.

1.3 Where a conflict exists between Specification Section 002413 and other Specification Sections and/or Drawings, Specification Section 002413 shall take precedence.

1.4 Included for additional clarification at the end of this section is 'IHSCB Bid Package Plan Specification Matrix – Section 002413 – Exhibit A'.

1.5 Trade Contractor shall refer to the Contract Documents as a whole and as they apply to the specific scope work. This includes Section 002410 – General Scope of Work for those items that apply to all bid packages.

1.6 Inclusions noted in other bid packages not performed by Trade Contractor shall not be interpreted for exclusions within Trade Contractor's bid package.

PART 2 - BID PACKAGE SPECIFIC SCOPE OF WORK

2.1 BID PACKAGE BP-03.1 – BUILDING CONCRETE

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
03 30 00	Cast-In-Place Concrete	Complete
03 35 43	Special Concrete Floor Finish	Complete
03 45 00	Precast Architectural Concrete	Complete
07 11 13	Bituminous Dampproofing	Complete
07 17 00	Bentonite Waterproofing	Complete
07 21 00	Thermal Insulation	As Applies to this Scope of Work

B. Highlighted Inclusions:

1. This bid package includes all Cast-in-Place Concrete Work for the Project Complete including but not limited to footings, walls, slabs, slabs on deck, pan filled stairs, interior CIP stairs, equipment pads, equipment curbs, site seat walls, site cheek walls, site CIP retaining walls, reinforcing, signage element foundations, etc.
2. This Bid Package includes the complete Supply and Installation of Precast Concrete components.
3. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
4. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
5. Trade Contractor acknowledges this project is being constructed on a fully occupied public school campus. In addition, portions of the Work are being executed adjacent to and within occupied buildings. Therefore, as-is typical to renovations within occupied zones, there are necessary precautions required to perform work under these conditions in order to ensure the safety, health and operations of the occupants. These include but are not limited to: noise control, dust control, shift work, temporary barriers, continuity of systems, signage, shoring, bracing, etc.
6. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
7. Minimum Staffing Requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, non-working with tools, Superintendent who has full authority to make decisions for Trade Contractor regarding cost,

- quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM.
8. Trade Contractor to provide BIM coordination and detailing services for the Project with integration into the Project 3D Model as stipulated in Section 002410 – General Scope of Work.
 9. The sequence of all Work shall be coordinated and integrated amongst all Trade Contractors in order to meet the overall dates listed in the Schedule. This will require full cooperation and coordination from multiple Trade Contractors involved in the Work. In General, the Work shall be executed in order to achieve the most expeditious installation sequence with priority for safety, quality and production.
 10. Allow access and sufficient/reasonable time for others for installation of their Work that is integral with this Trade Contractor's Work.
 11. Provide all survey/staking/layout for the Work of this package. GC/CM will provide a master datum point on-site, four grid lines at grade level per building and one elevation benchmark on-site. All other survey/staking/layout is by this Trade Contractor, including layout for footing excavations.
 12. Provide temporary safety rails around all foundation excavations, ground level openings, stairs and at elevated slabs in compliance with WISHA. Provide toe boards and covering/protection of all slab penetrations and diamonds. Removal of temporary rails and protection to be coordinated with work of other trades and removed in time to not impede safe progress. Provide temporary wood handrail and pan tread infill and protection compliant with WISHA at all metal stairs for trade usage during construction. Remove temp railing and tread infill and protection at a time nearing project completion. Stairs shall be made available to trades' immediately following erection of the stairs.
 13. Provide coordination of all penetrations, sleeves and block outs with all Trade Contractors and all documents.
 14. Provide all unloading, handling, hoisting and access for the Work of this bid package complete. NOTE: The GC/CM's forklift is not available for use by this Trade Contractor.
 15. Trade Contractor shall include a \$20,000 allowance in its base bid as a Force Account allowance. Reference Section 002410-2.1.E.
 16. **CAST IN PLACE CONCRETE SCOPE:**
 1. Provide all Building cast-in-place concrete Work for the Project complete including foundations, walls, slabs, slabs on deck, pan filled stairs, equipment pads, curbs, pour back at steel columns, etc.... This includes concrete work shown on the architectural drawings (e.g. pan filled stairs, CIP stairs, etc...).
 2. Provide all Site cast-in-place concrete retaining & seat wall Work for the Project Complete. This includes Work on the A, S, C, and L drawings sheets
 3. Provide all equipment housekeeping pads/bases/curbs. Equipment housekeeping pads/bases/curbs which are indicated on any of the following drawing sheets: A, S, M & E are included. Coordinate exact sizes and locations of equipment related concrete with the appropriate Trade Contractor who is providing that equipment.
 4. Provide damproofing and bentonite waterproofing including drain board, protection board and other specified accessories.
 5. Provide vapor barrier including taping/sealing of lap joints and penetrations. This includes all penetrations for work of other trades.

6. This Trade Contractor shall inspect and accept the elevation and condition of all sub-grade prior to starting work. Commencement of work shall communicate acceptance of sub-grade.
7. Provide rigid insulation at all below grade conditions including below SOG and rigid insulation required around steel members at SOMD.
8. Provide all reinforcing steel, slip dowels and mesh integral with cast-in-place concrete work of this package.
9. Installation of all steel embeds, anchor bolts and inserts which cast into concrete, including coordinating this work with approved shop drawings from other trades. Bid Package BP-05.1 Trade Contractor will supply embeds for structural steel and anchor bolts for structural steel. Supply of all other materials that embed into concrete shall be provided by BP-03.1 Trade Contractor.
10. Columns anchor bolt templates supplied by BP-05.1 bid package are for this Trade Contractor's use only for column locations that bear on-top of footings and walls. After use, this Trade Contractor shall strip and remove templates, and provide clean, plumb, chased and undamaged threads with nuts replaced at top of all anchor bolts prior to turn-over to steel erection. Includes coordination with approved Shop Drawings for all placement locations. Provide grid layout for column bases after stripping of forms and templates. Leveling nuts are included.
11. Provide non-shrink grout below all column bases after installation of columns and prior to placement of SOMD.
12. Provide all hot and cold weather methods for concrete placing and curing as per ACI, including heating and tenting below placement when and where necessary.
13. Provide coordination of all penetrations, sleeves and block outs with all Trade Contractors and all documents.
14. Provide legal concrete truck and pump truck wash-out including eco-pans and off-site disposal.
15. Provide mag trowel finish at tops of footings at anchor bolt locations to correct grade.
16. Hard trowel finish on top of all cast-in-place walls.
17. Blow off/clear slab-on-metal decks prior to concrete placement.
18. Provide coordination of slab finish, curing requirements, and flatness/levelness for each scheduled floor finish. In addition, this Trade Contractor shall coordinate with the Polished Floor contractor and the Flooring Trade Contractor to ensure their methods and products are fully compatible.
19. Trade contractor acknowledges that slab on grade (SOG) can be placed before or after structural steel erection at the sole discretion of the GC/CM.
20. Provide, within 24 hours of all placements, a quality control check / as-built for embed locations and slab elevation deviation from plan in a 10ft x 10ft grid. As-builts shall be submitted to GC/CM for record purposes. Owner's inspection agency will perform FF and FL testing in areas requiring specific tolerances (e.g. wood floor areas) and/or areas subject to higher levels of public use.
21. Provide broom swept work areas upon completion of the Work, including removal of concrete splatter.
22. Remove unfinished concrete around slab penetrations (conduits, steel, etc...)

23. Provide flaggers/spotters on-site for large placements to maintain organization of trucks and safety of personnel on the ground.
 24. Includes sealed concrete floors, complete, including joint treatments per manufacturer and project specifications. Seal floors as soon as concrete has met the manufacturers curing requirements.
 25. Provide dewatering of open footing excavations resulting from surface water run-off. Water shall be pumped to temporary detention measures provided by BP31.1 Trade Contractor.
 26. Provide Retaining Wall at monument stairs per detail E/L4.01.
17. PRECAST CONCRETE SCOPE
1. Provide all required submittals, certificates, samples, shop drawings, and warranties. Supplier shall provide field use coordination drawings, including piece marks for all treads, prior to delivery.
 2. Stamped and signed engineering calculations. (Engineering includes \$1,000,000 Errors and Omissions Insurance. Additional coverage or tails available at additional costs.)
 3. Coordinate sequence of deliveries with Cornerstone to arrive on or before needed date.
 4. Provide a bill of lading with the delivery date, description, quantities, and piece marks.
 5. Load trucks in a manner that can be unloaded by a forklift.
 6. Precast stair treads to include embed plates to accept welded connection by others.
 7. Provide matching filler compound for patching of installation/erection inserts, as applicable.
 8. Supplier to provide field measurements.
 9. Two piece mock up treads for a standard stair and for the concert hall seating areas (4 total pieces).
 10. Trade Contractor acknowledges that due to coordination requirements and lead times the erection of the precast will occur after complete steel erection, slab on metal deck placement and roof construction. As such Trade Contractor to provide means and methods for precast erection within fully enclosed building. If Trade Contractor is able to achieve precast erection in advance of complete steel erection, slab on metal deck placement and/or roof construction it will be allowed only if doing so does not add cost or schedule impact to Other Bid Packages AND BP-03.1 Trade Contractor shall then fully protect the precast in a manner robust enough to prevent any damage to precast finish during the remaining structural and rough-in phases of the work, and later remove the protection once hazard of damage from other Work is ceased. In addition, BP-03.1 Trade Contractor is responsible for and must correct any damage to precast consistent with section 034500 repair requirements. The precast elements are an architectural finish product.

C. Exclusions:

1. Site related concrete as follows: concrete curb, gutter, sidewalk, mow strips, cheek walls and stairs.
2. Fence post foundation, flagpole, bollard and other site improvement concrete.
3. Light pole bases.

2.2 BID PACKAGE BP-05.1 – STEEL FABRICATION/ERECTION

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
05 12 00	Structural Steel Framing	Complete
05 12 13	Architecturally Exposed Structural Steel Framing	Complete
05 21 00	Steel Joist Framing	Complete
05 31 00	Steel Decking	Complete
05 50 00	Metal Fabrications	Complete
05 51 00	Metal Stairs	Complete
05 52 13	Pipe and Tube Railings	Complete

B. Highlighted Inclusions:

1. This Bid Package includes the complete Supply and Installation of Steel Fabrications, Steel Joists, Steel Decking for the Project, including but not limited to: structural steel, steel joists, steel decking, AESS steel and miscellaneous steel.
2. This Bid Package includes the complete Supply and Installation of the Fall Protection scope of work for the Project.
3. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
4. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
5. Trade Contractor acknowledges this project is being constructed on a fully occupied public school campus. In addition, portions of the Work are being executed adjacent to and within occupied buildings. Therefore, as-is typical to renovations within occupied zones, there are necessary precautions required to perform work under these conditions in order to ensure the safety, health and operations of the occupants. These include but are not limited to: noise control, dust control, shift work, temporary barriers, continuity of systems, signage, shoring, bracing, etc.
6. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
7. Minimum Staffing Requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, non-working with tools, Superintendent who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. In addition, during periods of on-site activity, this Trade Contractor shall have a full-time on-site, non-working with tools, Project

- Engineer with primary responsibility of managing the administrative requirements of the project (submittals, RFI's, pay requests, etc.).
8. Trade Contractor to provide BIM coordination and detailing services for the Project with integration into the Project 3D Model as stipulated in Section 002410 – General Scope of Work.
 9. The sequence of all Work shall be coordinated and integrated amongst all Trade Contractors in order to meet the overall dates listed in the Schedule. This will require full cooperation and coordination from multiple Trade Contractors involved in the Work. In General, the Work shall be executed in order to achieve the most expeditious installation sequence with priority for safety, quality and production.
 10. Allow access and sufficient/reasonable time for others for installation of their Work that is integral with this Trade Contractor's Work.
 11. Provide all survey/staking/layout for the Work of this package. GC/CM will provide a master datum point on-site, four grid lines at grade level per building and one elevation benchmark on-site. All other survey/staking/layout is by this Trade Contractor, including layout for footing excavations.
 12. Provide temporary safety rails around all foundation excavations, ground level openings, stairs and at elevated slabs in compliance with WISHA. Provide toe boards and covering/protection of all slab penetrations and diamonds. Removal of temporary rails and protection to be coordinated with work of other trades and removed in time to not impede safe progress. Provide temporary wood handrail and pan tread infill and protection compliant with WISHA at all metal stairs for trade usage during construction. Remove temp railing and tread infill and protection at a time nearing project completion. Stairs shall be made available to trades' immediately following erection of the stairs.
 13. Provide coordination of all penetrations, sleeves and block outs with all Trade Contractors and all documents.
 14. Provide all unloading, handling, hoisting and access for the Work of this bid package complete. NOTE: The GC/CM's forklift is not available for use by this Trade Contractor.
 15. Trade Contractor shall include a \$40,000 allowance in its base bid as a Force Account allowance. Reference Section 002410-2.1.E.
 16. **STRUCTURAL STEEL, JOISTS AND DECKING SUPPLY SCOPE**
 1. Trade Contractor shall anticipate that RFI's and their associated time frames for response are normal to the detailing process and shall be accommodated for in its schedule for providing complete and accurate shop drawings.
 2. See below for anticipated shop drawings and delivery dates:
 - 1) Anchor Bolt/Embed Shop Drawings: 05/20/20 (allow 3 weeks for review)
 - 2) Anchor Bolt/Embed Delivery: 07/01/20
 - 3) Complete Steel Shop Drawings (Submitted by Erection Zone): 07/01/20 (allow 4 weeks for review)
 - 4) First Steel Delivery for Continuous Erection: 09/01/20
 - 5) Stair & Rail Shop Drawings: 08/01/20 (allow 3 weeks for review)
 - 6) Stair Delivery: In Sequence
 - 7) Rail Delivery: As scheduled by CGC Supt (approx.)
 3. Coordinate fabrication with other items such as movable partitions, HVAC equipment, etc. to support such items.
 4. Provide all anchors, including epoxy (steel/steel, steel/concrete, steel/CMU). Includes all bolts, expansion anchors, epoxy rods, DBA's, epoxy, nuts and washers complete for all steel connections indicated including bolted

- connections from steel to Concrete, CMU and wood and fasteners for all arch misc. metals. Includes bolts for bar joist connections to structural steel.
5. Column Anchor Bolt Templates: Supply Steel Plate Anchor Bolt Templates for each column (no re-use). Templates shall be made of 1/8th plate steel and sized 2 inches larger in each direction than the base plate for the column. Each template shall have a Centerline Hole punch and (4) 1/8" nail holes at the perimeter of the template for attachment to the forms. Each template shall be piece marked with location and column type. These shall be supplied 10 days prior to the commencement of foundation installation.
 6. Supply all thru-deck Shear Studs / Nelson Studs.
 7. All rebar/dowels shown welded to steel members shall be shop welded.
 8. All weep holes in galvanized members to be plugged by fabricator prior to delivery.
 9. Provide all miscellaneous metals except as specifically listed under "Exclusions". This includes all work shown on the "A", "S", "L" and/or "C" drawings sheets.
 10. All Material deliveries shall be sequenced to support continuous erection. Materials shall be delivered to the project as per the stipulated erection zoning and generally on a 'just in time' basis for shake-out prior to erection. There is not adequate space on-site for long term storage. If necessary, provide off-site storage so that the material can be fabricated ahead of time and delivered to the site to support continuous erection activities and schedule requirements without overwhelming the site with material. Refer to 003113 for additional schedule information.
 11. Material to be shop fabricated to the furthest extent possible and as indicated in the Contract Documents. In the case where pieces must be provided for field splicing, design for ground splice prior to erection, supply all anchors, hardware and instructions associated with splice requirements.
 12. Stairs and related guard rails to be shipped with erection zoning to allow erection with structural steel sequence.
 13. Provide all site handrails and guardrails. This includes all rails shown on Civil and Landscape drawings.
 14. Provide fully engineered joist and metal deck drawings and calculations stamped by a professional engineer licensed in Washington State.
 15. Provide all gauge metal deck edge, edge form, flute closure, neoprene closures and flute insulation where indicated. Material to be shop fabricated to the furthest extent possible and as indicated in the Contract Documents.
 16. All joists shall be delivered in full span lengths unless not possible due to legal roadway transport limitations. In the case where joists must be provided for field splicing, design joist for ground splice prior to erection, supply all anchors, hardware, support pieces and instructions associated with splice requirements.
 17. Acoustical Reflector Panels: BP-03.1 Steel Fabricator will supply angle frames per detail 10/S5.32, aircraft cable, steel plates and tabs. BP-09.1 Trade Contractor shall provide cold formed metal framing track and joists. BP-09.1 Trade Contractor shall assemble framing, steel components and install/hang Acoustical Reflector Panel frames. Holes in angle frames per detail 10/S5.32 shall be field drilled for air craft cabling by BP-09.1 trade Contractor. BP-06.1 Trade Contractor shall install PLAM faced Plywood Panels on the installed frames. (Ref. Details on Sheets A5.42 and S5.32).
 18. Provide field measuring for all site rails.

19. Erector Aides: the following erector aides are not indicated on the contract drawing sheets but are required:
- 1) Supply Steel shims for all columns (3x3x1/8s, 1/4s, 1/2s).
 - 2) Provide weld plates at guide rail columns and hoist beam for elevator.
 - 3) Supply A307 x 1" cut washers welded to all perimeter columns for safety cables located at 22" & 48" off the top of steel dimension for that floor (not required for columns at open bay areas).
 - 4) Provide 2"x2"x1/4" angles by 49" long at 8 ft o.c. at all perimeter beams @ metal deck areas for safety rail installation. Holes for safety cables are required @ 22" and 48" AFF. This includes light wells, mech shafts and elevator. This includes light wells, mech shafts and elevator.
 - 5) Provide one 3/4" hole in the top flange approximately 12" from each end of all beams for safety cable attachment.
 - 6) Provide all pipe and tube steel members with bolted erection holes so that no member is not bolted at time of erection. Diagonals to have one erection hole in the top and two erection holes in the bottom end. Trade Contractor to provide erection bolts.
 - 7) Supply LeJeune, Bristol or approved equal tension control bolts on all bolts requiring torque specs.
 - 8) Anchor Bolts shall be supplied with one additional jamb nut per bolt in order to secure the Anchor Bolts to the templates. Anchor Bolt thread projection shall be provided to accommodate the proper projection taking into account the added jamb nut.
 - 9) Supply bolts for bar joist connections to structural steel, including erection bolts.
 - 10) Material to be stamp marked clearly on one end only to coincide with erection shop drawing piece marks and color coded as per erection zoning. Tags are not acceptable as the only source of identification.
 - 11) Provide (4) full size sets of erection drawings and (2) full size sets of detail drawings in advance of material deliveries. Erection drawings shall show piece marks and identification of the direction of each member and which side of the clip that beams connect to.
 - 12) Provide bills of lading a minimum of 24hrs prior to material deliveries.
 - 13) Provide all slab edge bent plates shop welded to supporting member, held back from columns regardless of details found within the drawings. Any DBA's shall be shipped loose for field installation.
 - 14) Do not place primer paint within 2" of all field weld conditions and at slip critical connections.
 - 15) Provide all ledgers with erection holes on each end for temp anchors.
 - 16) Provide all roof and floor opening steel as shop welded frames and deliver per erection zoning.
 - 17) All canopies shall be shop welded to largest shippable size.
 - 18) Backup bars for CP weds.
 - 19) Deck loads cannot be mixed unless necessary to fill the truck. If mixed, only the subsequent zone can be added.
 - 20) Supply (2) deck crimping tools as required by manufacturer for use on Project thru completion of decking installation at no additional charge.
 - 21) Supply joists with bolted connections where possible, otherwise provide erection bolt holes and bolts for all joist connections, coordinate layout with steel fabricator such that supporting members are prepped with erection holes too.

- 22) Supply bolted x-bracing in lieu of bridging at all joist locations.
- 23) Supply 10% extra quantity of bridging material.
- 24) Provide sufficient trucking to supply loads every 45min each day of a complete erection zone. Erection zoning will be provided post bid after review with erector.

17. STEEL ERECTION SCOPE

1. Erector is required coordinate with and provide access for Owner's Special Inspection Agency for conformance of field-welds and execution.
2. Provide erection zoning map, in compliance with the Project Schedule, within 15 days of Award. Material shall be delivered to the project as per the stipulated erection zoning which is Trade Contractor's obligation to create in coordination with the GC/CM and fabricator(s). Trade Contractor acknowledges that material will be sent in full truck quantities that will result in certain steel for later sequences being delivered early.
3. To facilitate project schedule, elevated decks will need to be completed and turned over for other trades work in portions as determined by the GC/CM. Safety railing will need to be installed not only on outside edges but to accommodate the portions being turned over.
4. Erection of structural steel may occur prior to or after installation of slab on grade at the discretion of the GCCM.
5. Trade Contractor shall execute work utilizing 100% Tie-Off throughout execution of work in compliance with OSHA/WISHA requirements.
6. Install all thru-deck Shear Studs.
7. Install wedge anchors at Trade Contractors work.
8. Permanent Stairs and ladders shall be erected in sequence with building such that they are available for trade contractor access use.
9. Remove all erector aides which aren't part of the permanent connection or that are exposed to view upon completion. Grind smooth to match adjacent steel surface at erection aide locations.
10. Provide cable safety rails, in compliance with WISHA, for all areas with metal decking where an opening or edge condition exists. Placement of rail system shall be so as to minimize conflicts with subsequent Work so that rails may remain installed as long as possible. Remove when exterior framing is sufficiently completed to allow removal without installation of another safety rail. Coordinate areas where exposed concrete will not allow cable safety rail stanchions in concrete.
11. Where steel is exposed to public view in its final configuration, whether or not it is AESS, provide welds that are dressed up with smooth finished appearance with no sharp edges or slag.
12. Provide field priming of all welds after inspection, match finish of primer or galvanized coating as provided by the supplier.
13. Provide gas welding equipment and/or generators to supply power for welders. The Project's temporary power will not be made available for welding equipment.
14. Installation of all welded/bolted steel stairs, guardrails and handrails. This includes all welded connections at building and site handrails, including stainless steel handrails.

18. FALL PROTECTION SCOPE

1. Provide permanent facility fall protection as required by the contract documents and applicable codes and regulations.
2. Professional Engineered stamped shop drawings, bearing a seal of a Professional Engineer registered in the state of Washington.
3. Provide testing and certification, closeout documentation, warranty, and training on use and maintenance of system after installation as per specifications.
4. Stanchion heights to meet or exceed min flashing heights determined by roofing manufacturer's warranty requirements. Coordinate with approved roof taper drawings to ensure minimum anchor height above roof is met.
5. Includes installation of lifeline.
6. Provide all necessary sealing gaskets.

C. Exclusions:

1. Misc. Metal Fabrications/Perforated Metal at ductwork per details 8, 9, 10, 11, 23, 27 on A4.44.
2. Installation of items cast into building concrete by BP-03.1.

2.3 BID PACKAGE BP-06.1 – CASEWORK & FINISH CARPENTRY

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
06 10 00	Rough Carpentry	As Applicable
06 20 23	Interior Finish Carpentry	Complete
06 42 19	Plastic-Laminate-Faced Wood Paneling	Complete
07 92 00	Joint Sealants	As Applicable
09 84 00	One-Dimensional Diffuser	Complete
10 12 00	Display Case	Complete
12 35 50	Casework	Complete

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated with interior finish carpentry and casework.
2. Furnish a Payment and Performance Bond per section 00 2113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. Trade Contractor recognizes that the Scope of this Bid Package occurs over multiple phases spanning separate time periods requiring separate mobilizations. Refer to section 003113 for additional information.
5. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
6. Provide all hoisting and access equipment needed for Trade Contractors work. NOTE: The GC/CM forklift will only be made available for limited use for deliveries coordinated with the GC/CM.
7. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
8. In-wall backing & blocking in locations, type and quantity described on the contract drawings will be provided by BP-09.1. The BP-06.1 Trade Contractor shall field locate this backing via paint on studs timely to coincide with framing activities. Any additional quantities of backing desired by BP-06.1 Trade Contractor will be at the cost and responsibility of the BP-06.1 Trade Contractor. Includes timely review and acceptance of installed backing prior to cover up. Un-reviewed backing installation will be deemed to have been accepted. Provide backing requirement drawings.

9. Provide miscellaneous steel, brackets, supports, and wall standards required for supporting items provided under this bid package including but not limited to in-wall brackets, counter support brackets, etc. Where the structural 'S' drawings specifically indicate miscellaneous steel shapes by size and attachment details, this will be provided by others.
10. Provide protection of counter tops and wall paneling immediately following installation. Protection shall be affixed to counter to prevent debris from getting under it and scratching the surface. Protection shall consist of Masonite or thick cardboard. Prior to punch-list, BP-06.1 Trade Contractor is responsible to remove and dispose of the protection and wipe down the surface in accordance with final cleaning requirements.
11. All Work provided by BP-06.1 shall be wiped down, wiped out, cleaned with labels removed (except UL labels) just prior to punch-list.
12. Provide coordination with Electrical and Plumbing contractors for installation of utilities, fixtures and raceways within casework. Casework must allow for concealment of utilities and maintenance access, including removable backs/panels.
13. Provide cutouts in items provided by BP-06.1 for other trades Work (for example, sinks, grommets, vents, grilles, etc...).
14. Provide aesthetic joint sealant / caulk joint between finish carpentry items, casework items and adjacent surfaces where indicated AND when gaps exceed 1/16" (for example, window sills and back splashes).
15. Furnish and install all surface mounted blocking & shims behind wall paneling and as required to make Work plumb and level.
16. All Work provided under BP-06.1 is to be prefinished by BP-06.1.
17. Provide all hardware and locks within Trade Contractors Work. Cores will be provided by BP-08.2. Trade contractor required to provide a schedule of casework locks for coordination with BP-08.2.
18. Deliveries to be coordinated with GCCM minimum 48 hours prior to delivery. Provide bills of lading for review.
19. Provide display cases complete including glass.
20. Acoustical Reflector Panels: BP-03.1 Steel Fabricator will supply angle frames per detail 10/S5.32, aircraft cable, steel plates and tabs. BP-09.1 Trade Contractor shall provide cold formed metal framing track and joists. BP-09.1 Trade Contractor shall assemble framing, steel components and install/hang Acoustical Reflector Panel frames. Holes in angle frames per detail 10/S5.32 shall be field drilled for air craft cabling by BP-09.1 trade Contractor. BP-06.1 Trade Contractor shall install PLAM faced Plywood Panels on the installed frames. (Ref. Details on Sheets A5.42 and S5.32).
21. Provide finishes on hidden door.
22. Provide wood benches complete. Ref. Detail 2/A4.46 for example.
23. Provide misc. metals associated with wood wall paneling and benches. Ref. details on 26/A4.45 and similar details on A4.45, A4.46 and A4.47 for example.
24. Provide Countertop Supports. Ref. detail 29/A4.42 for example.
25. Provide a Force Account Allowance of \$10,000 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.

C. Exclusions:

1. Marker Boards.

2.4 BID PACKAGE BP-07.1 – METAL PANELS, SIDING & FLASHINGS

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
06 10 00	Miscellaneous Rough Carpentry	As Applicable
07 21 00	Thermal Insulation	As Applicable
07 25 00	Weather Barriers	Complete
07 42 13	Metal Wall Panels	Complete
07 42 14	Metal Composite Material Wall Panels	Complete
07 46 33	Composite Resin Panels	Complete
07 54 19	Single-Ply Membrane Roofing	As Applicable
07 62 00	Sheet Metal Flashing and Trim	Complete
07 92 00	Joint Sealants	As Applicable
07 95 00	Expansion Control	Complete - Exterior
08 91 19	Fixed Louvers	Complete

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated with sheet metal, metal panels, metal siding, aluminum wall panels flashings, downspouts, gutters, scuppers, conductor heads, trim, air barrier system, louvers, insulation, etc.
2. Furnish a Payment and Performance Bond per section 00 2113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. Trade Contractor recognizes that the Scope of this Bid Package occurs over multiple phases spanning separate time periods requiring separate mobilizations. Refer to section 003113 for additional information.
5. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
6. Provide all hoisting and access equipment needed for Trade Contractors work. NOTE: The GC/CM forklift will only be made available for limited use for deliveries coordinated with the GC/CM.

7. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
8. The GCCM will require a mock-up assembly (not incorporated into the work) for an exterior wall that includes all different exterior conditions that exist in the Work as shown in the plans. One wall shall have an opening for a storefront window and one shall have an opening for a standard hollow metal frame. The mockup will also include typical penetrations through the enclosure system. Trade Contractor shall provide the full scope of its Work at this mockup.
9. Where metal/aluminum siding/wall panels & soffit occur: provide a complete rain screen type 'enclosure system assembly' consisting of all components which start at the outside face of the GWB Sheathing, etc., including but not limited to: weather barriers, SAM, fluid applied flashings, clips, insulation, furring/girts/framing, flashings, sealants, metal siding, metal panels, vent screens, insect screens, etc...
10. Installation of product/systems per manufacturer's requirements including standard flashing details that are not indicated in the plans. If the details in the plans do not represent manufacturer's installation requirements trade contractor to bring it to the attention of the GCCM during the shop drawings process.
11. Provide SS break shape flashing with drip edge at all locations.
12. Provide exterior expansion joint assemblies including all noted moisture barriers at roof and exterior wall locations. Interior expansion joints will be provided by Bid Package BP-10.1.
13. Provide vent blocking as required.
14. Provide SS saddle flashings.
15. Provide ALL Downspouts and connection to transition below grade provided by BP-31.1.
16. Provide Flashings that attached into curtain wall assembly. Coordinate with BP-08.1 Trade Contractor for installation. Reference detail 1/BE502 for example.
17. Provide metal attachment angle at window system sills. Reference detail 7/BE500 for example.
18. Provide all primary and secondary joint sealants / caulk joints between materials installed by BP-07.1 and all other adjacent materials whether or not installed by BP-07.1 except at aluminum window systems installed under BP-08.1. Sealant to aluminum window systems to be installed under BP-08.1.
19. Metal Stud Wall framing member locations, type and quantity inside of the exterior GWB Sheathing is described on the contract drawings and will be provided by BP-09.1. The BP-07.1 Trade Contractor is responsible for all other framing, backing, blocking, furring, etc. required by his assemblies.
20. Gutters and downspouts shall be installed timely in order to manage water from roofs as soon as practical. If this Work is not performed timely, temporary downspouts shall be installed in order to direct and control the water.
21. BP-07.1 shall anticipate that installation of windows will precede installation of Masonry veneer or metal wall panels, and therefore the sequence of work at the openings and related details must accommodate this sequence.
22. Provide coordination with electrical and plumbing contractors for installation of their fixtures and trim within the exterior assemblies provided by BP-07.1 and cutouts for same. BP-07.1 is responsible to ensure weather-tight seal between their Work and the Work of others who penetrate their Work.
23. All items provided by this Trade Contractor shall be wiped down, wiped out, cleaned with labels removed (except UL labels) just prior to punch-list.
24. Trade Contractor shall provide protection when working over and/or adjacent to finish surfaces.

25. Provide a Force Account Allowance of \$10,000 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.

C. Exclusions:

1. Clad metals at roofing.

2.5 BID PACKAGE BP-07.2 – ROOFING

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
06 10 53	Miscellaneous Rough Carpentry	As Applicable
07 21 00	Thermal Insulation	As Applicable
07 54 19	Single-Ply Membrane Roofing	Complete
07 62 00	Sheet Metal Flashing and Trim	As Applicable
07 92 00	Joint Sealants	As Applicable

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated with Roofing.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. Trade Contractor recognizes that the Scope of this Bid Package occurs over multiple phases spanning separate time periods requiring separate mobilizations. Refer to section 003113 for additional information.
5. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
6. Provide all hoisting and access equipment needed for Trade Contractors work. NOTE: The GC/CM forklift will NOT be made available for this Trade Contractor's use
7. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
8. The GCCM will require a mock-up assembly (not incorporated into the work) for an exterior wall that includes all different exterior conditions that exist in the Work as shown in the plans. One wall shall have an opening for a storefront window and one shall have an opening for a standard hollow metal frame. The mockup will also include typical penetrations through the enclosure system. Trade Contractor shall provide the full scope of its Work at this mockup.
9. Provide dumpster(s) and legal off-site disposal of all debris generated by the Work of this package, including disposal fees. (Bidders of BP-07.2 are to ignore paragraph 2.2.D of Section 002410).

10. Wood blocking in locations and quantities depicted in the contract drawings will be provided by others. If BP-07.2 requires additional wood blocking that is not clearly indicated in the contract drawings is required, it is the responsibility of BP-07.2 to provide.
11. Anticipate and provide roof penetrations and associated flashing of same in quantities as indicated on the A, S, M, E, FS designated roof drawings.
12. Supply and Install all roof related PVC clad flashings, including scuppers. In addition, provide all metal termination bars and battens.
13. Provide water-tight conditions at all permanent and temporary termination conditions. Do not rely on a subsequent contractor's installation to achieve a water-tight condition.
14. Install insulation strips at acoustical metal deck locations. Insulation will be provided by others.
15. For the purpose of determining make-up work days due to weather, Saturday shall be considered a regular time work day when the total hours worked on this project in any week do not exceed 40 hours.
16. All areas provided by this Trade Contractor shall be washed down, wiped down, with labels removed just prior to punch-list.
17. Provide a Force Account Allowance of \$5,000 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.

C. Exclusions:

1. Wood roof blocking shown in drawings.
2. Gutters.

2.6 BID PACKAGE BP-08.1 – ALUMINUM WINDOW SYSTEMS & GLASS

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
07 92 00	Joint Sealants	As Applicable
08 41 13	Aluminum-Framed Entrances and Storefronts	Complete
08 44 13	Glazed Aluminum Curtain Walls	Complete
08 51 13	Aluminum Windows	Complete
08 71 00	Door Hardware	As Applicable
08 80 00	Glazing	Complete

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated with all aluminum storefront systems, aluminum curtain wall systems, transaction windows, aluminum break shapes, interior glazing and non-framed mirrors.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the work in the timeframes allowed (reference section 003113 – Construction Scheduling). Timely and expedited submittal, delivery and installation of this BP’s Work is critical for Building dry-in and execution of the Project’s finishes. This Trade Contractor shall provide submittal, materials and installation to promote the earliest possible dry-in date but no later than the dates listed. Where the Work of this package is late, BP-08.1 Trade Contractor will be required to provide temporary weather barrier covers at openings in order to allow interior finishes to proceed.
4. Trade Contractor recognizes that the Scope of this Bid Package occurs over multiple phases spanning separate time periods requiring separate mobilizations. Refer to section 003113 for additional information.
5. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
6. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
7. Provide all hoisting and access equipment needed for Trade Contractors work. NOTE: The GC/CM forklift will only be made available for limited use for deliveries coordinated with the GC/CM.

8. The GCCM will require a mock-up assembly (not incorporated into the work) for an exterior wall that includes all different exterior conditions that exist in the Work as shown in the plans. One wall shall have an opening for a storefront window and one shall have an opening for a standard hollow metal frame. The mockup will also include typical penetrations through the enclosure system. Trade Contractor shall provide the full scope of its Work at this mockup.
9. Metal framing, steel framing and supports in types, locations and quantities depicted in the contract drawings, when detailed with sizes and connection information, will be provided by others. Any other attachments to structure and/or other supports not shown in the contract drawings, but required by this Trade Contractor, shall be provided by this Trade Contractor. This includes steel supports, if needed, at high span storefront conditions.
10. Provide sealants/caulking between the Work of BP-08.1 and all other materials. Do not rely on a subsequent contractor's installation to achieve a water-tight condition. This includes caulk joints at the exterior and interior side of this Trade Contractors work.
11. Trade Contractor acknowledges that hollow metal frames will attach directly to its system and will accommodate such connection in their shop drawings. Installation of hollow frames is by others.
12. Aluminum Doors: BP-08.1 Trade Contractor shall provide aluminum doors including installation. Hardware as specified in section 087100 shall be provided by BP-08.2 Trade Contractor and installed by BP-08.1 Trade Contractor.
13. Provide all break shapes indicated to match aluminum window systems.
14. BP-08.1 shall anticipate that installation of windows will precede installation of exterior cladding systems, and therefore the sequence of work at the openings and related details must accommodate this sequence.
15. Provide interior glass and glazing complete, including door lites, relites, un-framed mirrors, etc. However, glazing that is integral within assemblies specified elsewhere in other sections is by others (Folding Glass Partitions for example).
16. All Work provided by this Trade Contractor shall be wiped down and cleaned, with labels removed, just prior to punch-list.
17. Provide a Force Account Allowance of \$5,000 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.

C. Exclusions:

1. Sheet Metal flashings.

2.7 BID PACKAGE BP-08.2 – OPENINGS

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
07 92 00	Joint Sealants	As Applicable
08 11 13	Hollow Metal Doors and Frames	Complete
08 11 14	Custom Hollow Metal Doors and Fames	Complete
08 14 16	Flush Wood Doors	Complete
08 34 73	Sound Control Door Assemblies	Complete
08 71 00	Door Hardware	Complete
08 71 13	Automatic Door Operators	Complete

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated work associated with of all horizontal passageways (doors, frames, hardware, special doors, etc.) and all interior hollow metal relite frames.
2. Furnish a Payment and Performance Bond per section 00211 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 00311 – Construction Scheduling).
4. Trade Contractor recognizes that the Scope of this Bid Package occurs over multiple phases spanning separate time periods requiring separate mobilizations. Refer to section 003113 for additional information.
5. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, non-working with tools, Superintendent who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. In addition, during periods of on-site activity, this Trade Contractor shall have a full-time on-site, non-working with tools, Project Engineer with primary responsibility of managing the administrative requirements of the project (submittals, RFI's, pay requests, etc). Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
6. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
7. The GCCM will require a mock-up assembly (not incorporated into the work) for an exterior wall that includes all different exterior conditions that exist in the Work as shown in the plans. One wall shall have an opening for a storefront window and one shall have an opening for a standard hollow metal frame. The mockup will also include typical penetrations through the enclosure system. Trade Contractor shall provide the full scope of its Work at this mockup.

8. All HM doors and frames to be shop primed per specifications. Coordinate with BP-09.4 Trade Contractor for field painting requirements.
9. All materials to be shipped 'just-in-time' in sequence by building as the schedule requires. Separate deliveries for HM frames, HM Doors and wood doors required for each building.
10. Coordinate with BP-08.1 Trade Contractor for all HM frames to be installed in Aluminum Curtain Wall Assemblies and include all required fasteners and clips for installation.
11. Receiving, inventory, distribution and installation of frames in metal wall framed assemblies is by BP-09.1. Coordinate with BP-09.1 Trade Contractor for all HM frames to be installed in Metal Framed Wall Assemblies and provide all required fasteners and clips for installation. Prior to swinging door slabs, BP-08.2 shall re-verify each hollow-metal frame that it is plumb and square. All deviations shall be promptly corrected in coordination with BP-09.1.
12. BP-08.2 Trade Contractor is responsible for setting of HM Frames in Aluminum Window Systems. Coordinate with BP-08.1 Trade Contractor for all HM frames to be installed in Aluminum Curtain Wall Assemblies and include all required fasteners and clips for installation.
13. Coordinate with ECCM Trade Contractor for all electrical devices and infrastructure that are required to be installed within door and frame assemblies.
14. In-wall backing & blocking in locations, type and quantity described on the contract drawings will be provided by BP-09.1. The BP-08.2 Trade Contractor shall field locate this backing via paint on studs timely to coincide with framing activities. Any additional quantities of backing desired by BP-08.2 will be at the cost and responsibility to provide by BP-08.2. Includes timely review and acceptance of installed backing prior to cover up. Un-reviewed backing installation will be deemed to have been accepted.
15. Aluminum Doors: BP-08.1 Trade Contractor shall provide aluminum doors including installation. Hardware as specified in section 087100 shall be provided by BP-08.2 Trade Contractor and installed by BP-08.1 Trade Contractor.
16. All fire rated assemblies to be UL rated and labeled.
17. All acoustical assemblies to meet performance specifications. Trade Contractor to provide acoustical testing as required by plans and specifications.
18. All hardware shall be keyed in accordance with the specifications.
19. BP-08.2 Trade Contractor shall provide temporary construction locksets for all exterior doors, electrical rooms, mechanical rooms and an additional 20 locations to provide security prior to substantial completion.
20. Provide hardware packages individually packaged and labeled.
21. Provide a connex for storage of all HW to be placed in a location coordinated with GCCM.
22. Provide and install auto-operators.
23. All Work provided under BP-08.2 is to be prefinished by BP-08.2 except the following items which are to be provided shop primed: HM frames, HM doors and HM relites.
24. Provide all glazing that is integral with items provided in BP-08.2 with the exception of glazing associated with 08 11 13 Hollow Metal Doors and Frames and 08 14 16 Flush Wood Doors.
25. Glazing stops in HM doors/frames are to come mechanically attached to door/frame with (2) screws in each stop.
26. All Work provided by BP-08.2 shall be wiped down, wiped out, cleaned with labels removed (except UL labels) just prior to punch-list.

27. Provide with single point of connection for Electrical Contractor. Any other wiring including limit switches and connection are covered under this subcontract.
28. Provide access panels related to contractor's scope of work.
29. Provide a Force Account Allowance of \$10,000 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.

C. Highlighted Exclusions:

1. Glazing within doors and relites.
2. Foam Insulation within HM frames.

2.8 BID PACKAGE BP-09.1 – FRAMING & GWB

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
05 40 00	Cold-Formed Metal Framing	Complete
06 10 00	Rough Carpentry	As Applies to this Scope of Work
06 16 00	Sheathing	Complete
07 21 00	Thermal Insulation	As Applies to this Scope of Work
07 46 46	Fiber-Cement Siding	Complete
07 84 13	Penetration Firestopping	Complete
07 92 00	Joint Sealants	As Applies to this Scope of Work
08 11 13	Hollow Metal Doors and Frames	As Applies to this Scope of Work
09 21 16	Acoustical Wall Construction	Complete
09 22 16	Non-Structural Metal Framing	Complete
09 29 00	Gypsum Board	Complete

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated with metal stud framing and GWB, and insulation within the weather barrier.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
5. Provide all hoisting and access equipment needed for Trade Contractors work. NOTE: The GC/CM forklift will not be made available for this Trade Contractor's use.
6. Provide dumpster and disposal fees for GWB scrap debris generated by this Bid Package. The GCCM's dumpster is not permitted for use by BP-09.1 for GWB scrap.

7. The GCCM will require a mock-up assembly (not incorporated into the work) for an exterior wall that includes all different exterior conditions that exist in the Work as shown in the plans. One wall shall have an opening for a storefront window and one shall have an opening for a standard hollow metal frame. The mockup will also include typical penetrations through the enclosure system. Trade Contractor shall provide the full scope of its Work at this mockup.
8. Provide all in-wall backing/blocking (metal and wood) in locations, quantities and types indicated and specified in all sections (Divisions 05 thru 14). Obtain all submittal information from other Trade Contractors indicating specific backing information necessary for each item that is supported by or connected to a wall. NOTE: In addition to the metal stud backing indicated for wall hung handrail, provide a solid nested fire treated continuous wood block at each stud bay.
9. Provide all Thermal Insulation for the Project except as follows: rigid insulation occurring under slabs on grade, rigid insulation occurring on the dirt side of below grade concrete foundation walls, rigid insulation occurring under roofing membrane that is part of the roofing system, rigid insulation behind metal wall panels outside of the GWB Sheathing, and rigid insulation behind brick veneer outside of the GWB Sheathing.
10. Provide spray foam insulation where indicated.
11. Provide all interior acoustical insulation.
12. Provide all gauge metal framing members, angles, etc. shown in documents.
13. Provide sound and fire ratings at walls and slab edges. Note: mechanical and electrical penetrations thru fire rated walls will be sealed by Others. Note also: the Mechanical and Electrical Trade Contractors are required to construct their Work in and thru sound rated walls as specified and to allow BP-09.1 to apply the necessary sound treatments to their Work in order to achieve the specified sound performance requirements.
14. Provide tile backer board.
15. Provide plywood where indicated on metal studs and/or on GWB/Sheathing conditions, including telephone back boards, electrical closets, MDF rooms, IDF rooms.
16. Provide Dens Deck Prime sheathing at backside of parapets at roof locations. Work shall be installed to support the earliest start of roofing activities.
17. Receiving, inventory, distribution and installation of frames in metal wall framed assemblies is by BP-09.1. Coordinate with BP-08.2 Trade Contractor for all HM frames to be installed in Metal Framed Wall Assemblies and provide all required fasteners and clips for installation. Prior to swinging door slabs, BP-08.2 shall re-verify each hollow-metal frame that it is plumb and square. All deviations shall be promptly corrected by BP-09.1.
18. Install access doors provided others. For bidding purposes include an allowance of 10 tape-in access panels.
19. Provide moisture resistant type GWB for top-out material in all corridors, and in mechanical/electrical rooms complete to allow this Work to commence in advance of the roof being completely dried-in.
20. Temporary heaters and fans will be supplied by the GCCM in order to achieve the minimum environmental conditions necessary to promote finishes. The BP-09.1 Trade Contractor is responsible to move and maintain the fans in operation as required to support its Work.
21. Provide expedited completion of certain rooms/areas in order to promote the Work of other trades to commence at the earliest possible dates (for example electrical closets, bathrooms, mechanical rooms, chases, etc).

22. Includes complete ceiling assembly detailed in 12/A5.43. Plywood by BP-06.1 Trade Contractor.
23. Coordinate and cooperate with BP-09.5 – Painting to determine when areas are sufficiently ready for priming/painting Work to start in order to promote the earliest possible start date. After priming occurs, BP-09.1 shall review finishes for quality requirements and touch up any non-conforming areas prior to finish coat painting being applied.
24. Remove temporary cable safety rail system installed by the Steel Erector after exterior walls are framed and no fall hazard exists.
25. Acoustical Reflector Panels: BP-03.1 Steel Fabricator will supply angle frames per detail 10/S5.32, aircraft cable, steel plates and tabs. BP-09.1 Trade Contractor shall provide cold formed metal framing track and joists. BP-09.1 Trade Contractor shall assemble framing, steel components and install/hang Acoustical Reflector Panel frames. Holes in angle frames per detail 10/S5.32 shall be field drilled for air craft cabling by BP-09.1 trade Contractor. BP-06.1 Trade Contractor shall install PLAM faced Plywood Panels on the installed frames. (Ref. Details on Sheets A5.42 and S5.32).
26. Installation of partial height wall steel supports where indicated in plans.
27. Where scaffolds are erected by BP-09.1 to access the Work, this scaffold shall be made available for other Trades' use.
28. BP-09.1 Contractor shall provide broom swept work areas daily during the GWB hanging and taping process. Debris will not be allowed to accumulate. Scrape/Clean all floors upon completion of mudding/tapping process to remove all taping mud completely from concrete. Provide protection of polished, sealed and stained concrete floors during execution of work in this bid package.
29. Provide a Force Account Allowance of \$20,000 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.

C. Exclusions:

1. Thermal insulation outside of sheathing or under SOG by BP-03.1, BP-07.1 and BP-07.2 (ref those packages).
2. Furring, hat channel, etc. for exterior siding systems specifically provided by Bid Package 07.1 – Metal Panels, Siding & Flashings.

2.9 BID PACKAGE BP-09.2 – ACOUSTICAL CEILINGS AND TREATMENTS

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
07 92 00	Joint Sealants	As applies to this scope of work
09 51 13	Acoustical Panel Ceilings	Complete
09 54 26	Suspended Wood Ceilings	Complete
09 84 33	Acoustical Wall Panels	Complete

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated with acoustical treatments, including but not limited to acoustical tile ceilings, specialty ceilings, surface acoustical wall & ceiling treatments, etc.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
5. Provide all hoisting and access equipment needed for Trade Contractors work. NOTE: The GC/CM forklift will only be made available for limited use for deliveries coordinated with the GC/CM.
6. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
7. Provide all support / suspension required for all Work of this BP.
8. Provide any engineering required by AHJ's for work under this bid package.
9. Provide all penetrations for other Trade's Work within this Trade Contractors Work.
10. Leave out ACT tiles at all mechanical and electrical locations that will require access for final terminations, testing, adjusting and/or balancing of systems. Install these tiles only when directed to do so in advance of final punch list activities.
11. Install ceiling tiles out of sequence at electrical mechanical fixture locations to allow ceiling rough-in to complete prior to remaining ceiling tile installation.
12. Where scaffolds are erected by BP-09.2 to access the Work, this scaffold shall be made available for other Trades' use to access their Work also at no additional cost as long as these other trades are diligent in completing their work timely.

13. Detailed shop drawings including layout, elevation, type, and spacing of panels including details and attachment methods as well as supplemental information required for coordination with Others.
14. Pre-finished 'black' suspension grid system and/or panels where indicated on drawings.
15. Provide allowance included in base bid for up to 5% replacement of damaged acoustical ceiling tile as directed by the GC/CM. Includes removal of damaged tile, new tile and installation of new tile. Trade Contractor shall credit back any unused portion of this allowance. Unused tile will be turned over to the owner for owner stock in addition to stock required in the specifications.
16. Provide a Force Account Allowance of \$5,000 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.

C. Exclusions:

1. None

2.10 BID PACKAGE BP-09.3a – CARPET

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
07 92 00	Joint Sealants	As applies to this scope of work
09 68 16	Sheet Carpeting	Complete

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated with carpeting and walk-off mats.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. Trade Contractor recognizes that the Scope of this Bid Package occurs over multiple phases spanning separate time periods requiring separate mobilizations. Refer to section 003113 for additional information.
5. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
6. Provide all hoisting and access equipment needed for Trade Contractors work. NOTE: The GC/CM forklift will only be made available for limited use for deliveries coordinated with the GC/CM.
7. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
8. Provide minimum floor moisture testing per specifications.
9. Trade Contractor BP-09.3a shall provide floor preparation at concrete joint locations, including slab construction joints, expansion joints, joints at concrete blockouts (steel columns and other cast in items such as science trenches, and sawcut joints at slab on grade locations).
10. Trade Contractor BP-09.3a shall provide floor preparation as required by manufacturer in addition to specific inclusions of this bid package.
11. Provide all transitions, metal edge strips, including those between the Work of Trade Contractor BP-09.3a and the work of other Trade Contractors.

12. Offloading and stocking of material in coordination with GC/CM. Materials are to arrive on a 'just-in-time' manner. (Elevator will not be available for stocking second floor materials).
13. Provide a Force Account Allowance of \$2,500 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.

C. Exclusions:

1. Final cleaning.
2. Tiling.
3. Resilient Flooring.
4. Resilient Base.

2.11 BID PACKAGE BP-09.3b – RESILIENT

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
07 92 00	Joint Sealants	As applies to this scope of work
09 65 13	Resilient Base and Accessories	Complete
09 65 19	Resilient Tile Flooring	Complete

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated with resilient flooring, floor prep, and base.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. Trade Contractor recognizes that the Scope of this Bid Package occurs over multiple phases spanning separate time periods requiring separate mobilizations. Refer to section 003113 for additional information.
5. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
6. Provide all hoisting and access equipment needed for Trade Contractors work. NOTE: The GC/CM forklift will only be made available for limited use for deliveries coordinated with the GC/CM.
7. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
8. Provide minimum floor moisture testing per specifications.
9. Trade Contractor BP-09.3b shall provide floor preparation at concrete joint locations, including slab construction joints, expansion joints, joints at concrete blockouts (steel columns and other cast in items such as science trenches, and sawcut joints at slab on grade locations).
10. Trade Contractor BP-09.3b shall provide floor preparation as required by manufacturer in addition to specific inclusions of this bid package.
11. Provide all transitions, metal edge strips, including those between the Work of Trade Contractor BP-09.3b and the work of other Trade Contractors.

12. Offloading and stocking of material in coordination with GC/CM. Materials are to arrive on a 'just-in-time' manner. (Elevator will not be available for stocking second floor materials).
13. Provide a Force Account Allowance of \$5,000 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.

C. Exclusions:

1. Final cleaning.
2. Tiling.
3. Carpeting.

2.12 BID PACKAGE BP-09.4 – TILING

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
07 92 00	Joint Sealants	As Applicable
09 30 13	Ceramic Tiling	Complete

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated with ceramic.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. Trade Contractor recognizes that the Scope of this Bid Package occurs over multiple phases spanning separate time periods requiring separate mobilizations. Refer to section 003113 for additional information.
5. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
6. Provide all hoisting and access equipment needed for Trade Contractors work. NOTE: The GC/CM forklift will only be made available for limited use for deliveries coordinated with the GC/CM.
7. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
8. Furnish and install all ceramic tile for floor applications, wall applications; all mortar, setting materials, adhesive materials, and grout required at all tile locations, and all non-ceramic trim at tile edges in accordance with the specifications and drawings.
9. Offloading and stocking of material.
10. Provide all transitions from tile installed under this bid package.
11. Provide crack isolation membrane at work installed under BP-09.4.
12. Coordinate and provide penetrations through tile surfaces for other trades, plumbing penetrations for example. Provide onsite review of drains prior to pouring

of concrete slabs to confirm the slope and the elevation of the drains match that of the tile thickness.

13. Provide joint sealants as applicable touching work installed under BP-09.4.
14. Clean and seal tile per manufacturer's recommendations.
15. Provide taping/floating of joints in tile backerboard supplied and installed by BP-09.1 trade contractor.
16. Trade Contractor shall protect its finished flooring. Protection will be removed by others.
17. Provide a Force Account Allowance of \$2,500 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.
- 18.

C. Exclusions:

1. Tile backer board.

2.13 BID PACKAGE BP-09.5 – PAINTING, COATINGS & SEALANTS

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
07 19 00	Water Repellents	Complete
07 92 00	Joint Sealants	As Applies to this Scope of Work
09 72 00	Wall Coverings	Complete
09 91 13	Exterior Painting	Complete
09 91 23	Interior Painting	Complete

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated with building and site applied coatings including but not limited to: paint, stain, sealers, varnishes, other coatings and certain joint sealants/caulking.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
5. Provide all hoisting and access equipment needed for Trade Contractors work. NOTE: The GC/CM forklift will only be made available for limited use for deliveries coordinated with the GC/CM.
6. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
7. Temporary heaters and fans will be supplied by the GCCM in order to achieve the minimum environmental conditions necessary to promote finishes. The BP-09.5 Trade Contractor is responsible to move and maintain fans in operation as required for his Work.
8. The GCCM will require a mock-up assembly (not incorporated into the work) for an exterior wall that includes all different exterior conditions that exist in the Work as shown in the plans. One wall shall have an opening for a storefront window and

- one shall have an opening for a standard hollow metal frame. The mockup will also include typical penetrations through the enclosure system. Trade Contractor shall provide the full scope of its Work at this mockup.
9. Provide proper legal disposal for coatings related waste and wash-up water generated by this Bid Package.
 10. Provide all surface preparation as specified. Refer to all other specification sections of items that will require field painting to determine the level of prime and final finish that will be by others and the expectation of field prep that may be required.
 11. Provide expedited painting of certain rooms/areas in order to promote the Work of other trades to commence at the earliest possible dates (for example electrical closets, bathrooms, mechanical rooms, chases, etc).
 12. Includes Section 079200 Joint Sealants as follows:
 1. Interior joints between HM frames and GWB
 2. Interior Joints between base of HM Frame and flooring where joint exceeds 1/4"
 3. Interior joints between GWB and Aluminum Window/SF/CW Systems
 4. Interior joints between GWB and exposed to view steel members
 5. Interior joints between GWB and exposed to view MEP penetrations
 13. Coordinate with BP-08.2 Trade Contractor for painting of HM frames and doors. Mask-off all UL labels and door identification labels and remove masking after painting.
 14. Coordinate and cooperate with the BP-09.1 GWB Trade Contractor to determine when areas are sufficiently ready for priming/painting Work to start in order to promote this Work to start at the earliest possible date. After priming occurs, the BP-09.1 Trade Contractor shall review finishes for quality requirements and touch up any non-conforming areas prior to finish coats of painting being applied.
 15. Provide broom swept work areas daily during the painting process where fall-down occurs. Debris will not be allowed to accumulate.
 16. Protect concrete floors from contamination from work under this bid package. Trade contractor required to remove all paint/primer/sealers from concrete upon completion of work.
 17. The final coat of paint shall be applied after completion of flooring but prior to rubber base installation and after other finish work is completed as directed by the GCCM. Trade contractor shall include all required masking and protection.
 18. Trade Contractor shall provide protection of adjacent surfaces during installation of its Work.
 19. Trade Contractor to paint all conduit, boxes, insulated and exposed ducts, hangers, brackets, collars, supports, mechanical equipment, and electrical equipment, unless otherwise indicated.
 20. Includes painting of Window Trim Kits at doors as indicated.
 21. Includes Painting of Downspouts.
 22. Provide all paint and coating products used in any individual system from the same manufacturer, unless specified otherwise.
 23. Trade Contractor to include out of sequence painting at areas made inaccessible due to installation of mechanical or electrical equipment.
 24. Provide water-repellents and anti-graffiti coatings at all vertical interior and exterior concrete surfaces.
 25. Provide prep for all exposed steel including but not limited to removal of rust, scale, dirt and other foreign material per SSPC SP-3. Apply phosphoric acid etch

manufacturer. Rinse with potable water. When thoroughly dry, immediately apply prime coat. Any defects showing in prime surface are required to be repaired by other trades. Re-prime over repaired defects. Trade Contractor Shall assume complete prep for all exposed steel regardless of whether it is shop primed or not.

26. Provide a Force Account Allowance of \$15,000 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.

C. Exclusions:

1. Finish at cabinetry and architectural wood work (except as noted under inclusions).
2. Finish of wood doors.

2.14 BID PACKAGE BP-10.1 – CONSTRUCTION SPECIALTIES

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
06 10 53	Rough Carpentry	As Applies to this Scope of Work
07 72 00	Roof Accessories	Complete
07 92 00	Joint Sealants	Complete
07 95 00	Expansion Control	Complete – Interior
08 31 13	Access Doors and Frames	Complete
09 65 51	Performing Arts Specialty Flooring (PLA)	Complete
09 77 00	Sanitary Wall Panels	Complete
10 11 00	Visual Display Units	Complete
10 14 23	Signage	Complete
10 21 13	Toilet Compartments	Complete
10 21 23	Cubical Curtains and Tracks	Complete
10 26 00	Corner Guards	Complete
10 28 00	Toilet, Bath, and Custodial Accessories	Complete
10 44 13	Fire Protection Cabinets	Complete
10 90 00	Miscellaneous Specialties	Complete
12 21 13	Horizontal Louver Blinds	Complete
12 24 13	Roller Window Shades	Complete
12 61 13	Fixed Audience Seating (PLA)	Complete
32 08 00	Exterior Improvement Commissioning	Complete
32 23 00	Site Improvements	Complete
32 31 13	Chain Link Fence and Gates	Complete

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated with building specialties including but not limited to: Plastic Paneling, roof hatches, fluid applied flooring, visual display surfaces, signage, toilet compartments and accessories, fire protection specialties, wall protection, site specialties, interior athletic equipment, window treatments, chain link fence and gates, etc.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and

that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).

4. Trade Contractor recognizes that the Scope of this Bid Package occurs over multiple phases spanning separate time periods requiring separate mobilizations. Refer to section 003113 for additional information.
5. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
6. Provide all hoisting and access equipment needed for Trade Contractors work. NOTE: The GC/CM forklift will only be made available for limited use for deliveries coordinated with the GC/CM.
7. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
8. Furnish and install all roof hatches, including roof curb, cover and hardware in accordance with the specifications.
9. Coordinate with Electrical Contractor for all specialties provided and/or installed by BP-10.1 that require power or low voltage cabling.
10. Provide layout for all material and/or equipment furnished or installed by the BP-10.1 Trade Contractor.
11. Coordinate with Mechanical Contractor for any specialties provided and/or installed by BP-10.1 that have mechanical or plumbing connections, i.e. residential appliances, etc...
12. Coordinate with BP-06.1 for any specialty items that are mounted in or around casework.
13. Installation of all steel site bollards indicated on A, C, L, E sheets, including foundations.
14. Installation of all vehicle gates.
15. Installation of all rails that are not welded to steel and steel/aluminum ladders.
16. Includes concrete foundations and bases for any items provided in this BP that require foundations and/or bases (for example Flag Pole).
17. All in-wall backing & blocking in type and quantity described on the contract drawings will be provided by BP-09.1. The BP-10.1 Trade Contractor shall field locate this backing via paint on studs timely to coincide with framing activities. Any additional quantities of backing desired by BP-10.1 will be at the cost and responsibility to provide by BP-10.1. Includes timely review and acceptance of installed backing prior to cover up. Un-reviewed backing installation will be deemed to have been accepted.
18. Provide chainlink fence and gates complete.
19. Equipment shall be stored by Trade Contractor until installation if necessary and only delivered to the site when unit(s) is ready for installation.
20. Provide access doors to be installed by others. For bidding purposes include an allowance of 10 tape-in access panels. Access doors for MEP equipment access provided by others.
21. Provide a Force Account Allowance of \$20,000 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.

C. Highlighted Exclusions:

1. None.

2.15 BID PACKAGE BP-14.1 – ELEVATORS

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
07 84 00	Firestopping	As applies to this scope of work
07 92 00	Joint Sealants	As applies to this scope of work
14 24 00	Hydraulic Elevators	Complete
Div 21	Fire Suppression	Complete

- B. Highlighted Inclusions:

1. This Bid Package is intends to include all scope of work for the Project associated with elevators.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
- 4.
5. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
6. Coordinate inspections required by governmental authorities. Include one final inspection per elevator and one re-inspection per elevator.
7. Elevator Contractor acknowledges its responsibility for coordination of its scope of work, including code compliance, with the work of the Electrical, Mechanical Trade Contractors.
8. Provide written confirmation of sump and elevator pit size, dimensions and below grade mechanical/electrical coordination requirements within 5 days of Award.
9. Furnish and install any miscellaneous or structural metals, tie beams, concrete embeds, sill/jamb angles, grouting of sill/jamb angles, elevator hoist beams, seismic bracing, elevator shaft/pit ladders, that are not shown on contract drawings but are required to complete elevator installation in accordance with manufacturers, local and/or state requirements.
10. Furnish and install guide rails, access panels, elevator door jambs and sills, fascia, sealants, caulking, fire stopping, sill and jamb grouting and insulation incidental to the work. Include all sleeves, core drilling, and/or cutting for work of this section.

11. Provide all permits and certifications required by governmental authorities for temporary and permanent operation of the elevators.
12. Equipment shall be stored by Elevator Contractor until installation if necessary and only delivered to the site when unit is ready for installation.
13. Includes elevator cab finishes complete except floor coverings.
14. Provide code signage and labelling associated with Elevators.
15. Elevator contractor to coordinate with owner's locks and keying schedule and access control systems.
16. Trade Contractor acknowledges that installation may be required off of temporary power. Trade Contractor agrees to coordinate electrical requirements with Electrician.

C. Exclusions

1. None

2.16 BID PACKAGE BP-21.1 – FIRE SPRINKLERS

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
07 84 00	Firestopping	As applies to this scope of work
07 92 00	Joint Sealants	As applies to this scope of work
08 31 13	Access Doors and Frames	As applies to this scope of work
Div 21	Fire Suppression	Complete

B. Highlighted Inclusions:

1. Work includes design and construction of complete automatic wet and dry fire suppression and standpipe systems for the Project.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
5. Minimum Staffing Requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
6. Trade Contractor to provide BIM coordination and detailing services for the Project with integration into the Project 3D Model as stipulated in Section 002410 – General Scope of Work.
7. The sequence of all Work shall be coordinated and integrated amongst all Trade Contractors in order to meet the overall dates listed in the Schedule. This will require full cooperation and coordination from multiple Trade Contractors involved in the Work. In General, the Work shall be executed in order to achieve the most expeditious installation sequence with priority for safety, quality and production.

8. Allow access and sufficient/reasonable time for others for installation of their Work that is integral with this Trade Contractor's Work.
9. Includes coordination with the Mechanical and Electrical Trade Contractors for a complete and coordinated installation. This Trade Contractor is required to participate in the GCCM's MEP Coordination process. The intent of this process is to jointly coordinate all MEP systems to ensure all systems routed within the annular ceiling space are routed to accommodate all system's requirements. The focus will be to ensure that when installation occurs, there are limited conflicts.
10. Pulling and payment of all permits, inspections and testing for Trade Contractors scope of work, as required by Authority Having Jurisdiction (AHJ).
11. If this Trade Contractor will require any structural steel penetrations as a result of the MEP Coordination Process, these penetrations are required to be communicated to the Steel Fabricator in advance of steel shop drawings being finalized.
12. Trade Contractor 31.1 to take main fire water supply line to first flange inside of riser room; BP-21.1 Trade Contractor to provide riser layout in SOG.
13. Sprinkler Trade Contractor is responsible to coordinate with the Electrical Trade Contractor for fire alarm system devices and monitoring points.
14. Provide all fire stopping, caulking, and sealants where Trade Contractor's work penetrates walls and/or finishes. Where exposed to public view, provide escutcheon over sealant for finish appearance.
15. Provide all core drilling as necessary for installation of Fire Sprinkler System.
16. Provide all necessary maintenance access doors as required in hard-lid ceilings and walls for the Fire Sprinkler System.
17. Systems draining locations to be coordinated with Architect and Owner prior to installation.
18. Provide code signage and labelling associated with Fire Sprinkler System.
19. Stamped set of drawings required from BP-21.1 Trade Contractor by licensed design engineer within the State of Washington.
20. Compliance with the joist loading requirements shown in plans. Required Loads exceeding those allowed per structural drawings for joists must be provided for coordination within 15 days of receipt of Award.

C. Exclusions:

1. None.

2.17 BID PACKAGE BP-22.1 – MECHANICAL

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
07 84 00	Firestopping	As Applicable
07 92 00	Joint Sealants	As Applicable
Div 22	Plumbing	Complete
Div 23	HVAC	Complete
31 20 00	Earth Moving	As Applicable

B. Highlighted Inclusions:

1. This Bid Package is for all Division 22 and 23 plumbing and HVAC scope of work for the project.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
5. Minimum Staffing Requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
6. Trade Contractor to provide BIM coordination and detailing services for the Project with integration into the Project 3D Model as stipulated in Section 002410 – General Scope of Work.
7. The sequence of all Work shall be coordinated and integrated amongst all Trade Contractors in order to meet the overall dates listed in the Schedule. This will require full cooperation and coordination from multiple Trade Contractors involved in the Work. In General, the Work shall be executed in order to achieve the most expeditious installation sequence with priority for safety, quality and production.
8. Allow access and sufficient/reasonable time for others for installation of their Work that is integral with this Trade Contractor's Work.

9. Includes coordination with the Mechanical and Electrical Trade Contractors for a complete and coordinated installation. This Trade Contractor is required to participate in the GCCM's MEP Coordination process. The intent of this process is to jointly coordinate all MEP systems to ensure all systems routed within the annular ceiling space are routed to accommodate all system's requirements. The focus will be to ensure that when installation occurs, there are limited conflicts.
10. Pulling and payment of all permits, inspections and testing for Trade Contractors scope of work, as required by Authority Having Jurisdiction (AHJ).
11. If this Trade Contractor will require any structural steel penetrations as a result of the MEP Coordination Process, these penetrations are required to be communicated to the Steel Fabricator in advance of steel shop drawings being finalized.
12. Provide all underground Work for the scope of this agreement including, but not limited to, plumbing, waste, vent, duct work, grease interceptor to 5ft outside of building foundation.
13. Trenching & Backfill Work for BP-22.1 Mechanical Trade Contractor: BP-32.1 Trade Contractor will provide excavation, trenching and backfill for underground plumbing, mechanical and HVAC Work complete. The scope of the underground plumbing, mechanical and HVAC Work is depicted on drawings M1.01, M3.01 and M4.01. BP-22.1 Trade Contractor will layout locations of trenches in the field with upside-down paint and provide a field hand for grade checking. The BP-32.1 and BP-22.1 trade contractors shall closely coordinate in order to execute the work in the most reasonable quantities to allow the work to be accomplished in a steady and efficient fashion and also minimize the amount of trench that is left open for more than 48 hours. BP-32.1 Trade Contractor understands that the BP-22.1 Trade Contractor will be installing pipe, ducts and accessories in trenches provided by the BP-32.1 Trade Contractor and that all Work must be inspected and approved by the AHJ Inspector prior to backfill which will ultimately dictate how much trench can be opened up in any single time period. BP-32.1 Trade Contractor is responsible for all backfill requirements including concrete encasement, tracer tape and specific import materials for pipe bedding and shading.
14. Provide cut, cap and make-safe of existing as required for demolition.
15. BP-22.1 Trade Contractor is responsible for demolition of all mechanical and plumbing in the existing boiler room.
16. Fire stopping, safing, caulking and sealants associated with Trade Contractor's Work. Maintain the fire or sound rating of the surface being penetrated.
17. Adhere to acoustical construction requirements at sound rated conditions.
18. Provide pour watch for all concrete pours touching Trade Contractor's Work.
19. Provide all floor block-outs, sleeves and/or core drills including cutting our steel decking as required for Trade Contractor's work.
20. Subcontractor shall furnish and install all supports, support steel, embeds, structural attachments, vibration isolation materials/equipment, seismic restraints, etc. to support all systems for this scope of work in accordance with the contract documents. This includes any miscellaneous steel items that may be required to adequately attach to structural members or concrete shown on the contract drawings. The only structural framework provided by others is that shown and indicated on the structural drawings.
21. BP-22.1 Trade Contractor shall provide blockouts and cutting out steel decking for all penetrations including floor diffusers in the concert hall floor.
22. Expedited procurement of equipment in basement. This equipment must be set prior to start of structural steel erection on 10/1/2020.

23. Provide premanufactured roof curbs for rooftop equipment.
24. Provide all motors, starters, disconnects, wiring or other devices for Mechanical Equipment which are not specifically identified to be furnished by the Electrical Contractor (ECCM). Mechanical equipment provided by Trade Contractor BP-22.1 shall be factory installed for single point connection by ECCM.
25. Furnish and Install all sets of filters as shown in the specifications.
26. Provide all Testing, Adjusting and Balancing for Trade Contractor's Work.
27. Provide piping and connections necessary for temporary gas to GC/CM's Temporary Heaters.
28. Provide Misc. Metal Fabrications and Perforated Metal at ductwork per details 8, 9, 10, 11, 23, 27 on A4.44.
29. Coordinate and provide layout for any penetrations through walls ahead of work starting.
30. Provide ducting, terminations and final connections to kitchen hoods that are furnished and installed by others.
31. Provide access doors needed for access to all work installed by BP-22.1 Trade Contractor.
32. Size all equipment with shipping splits to fit within existing building openings.
33. Trade Contractor shall include a \$25,000 allowance in its base bid as a Force Account allowance. Reference Section 002410 – General Scope of Work.

C. Exclusions:

1. Fire Protection.

2.18 BID PACKAGE BP-31.1 – SITE DEVELOPMENT

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
26 0500	Common Work Results for Electrical, Communications and Electronic Safety and Security	As Applicable, Electrical Trenching
26 0543	Underground Electrical Conduit and Boxes	As Applicable, Electrical Trenching
26 5600	Exterior Lighting	As Applicable, Electrical Trenching
31 10 00	Site Clearing & Site Demolition	Complete
31 20 00	Earth Moving	Complete
32 12 16	Asphalt Concrete Paving	Complete
32 13 13	Concrete Paving, Curbs, and Walks	Complete
32 17 23	Pavement Markings	Complete
32 80 00	Irrigation	Sleeving - Complete
33 11 00	Water Distribution	Complete
33 31 00	Sanitary Sewer	Complete
33 41 00	Storm Drainage	Complete
33 46 13	Foundation Drainage	Complete

B. Highlighted Inclusions:

1. This Bid Package is for all Site Development work including but not limited to earthwork, site clearing/demolition, TESC, storm utilities, sewer utilities, water utilities, hardscapes, geothermal, etc. for full site development of the Project.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. Minimum Staffing Requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, non-working with tools, Superintendent who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM.

5. During periods of on-site activity during summer months (June – September), this Trade Contractor shall have a full-time on-site, non-working with tools, Project Manager or Project Engineer with primary responsibility of managing the administrative requirements of the project (submittals, RFI's, pay requests, etc.).
6. To the largest degree practical, Trade Contractor shall implement LEAN principles.
7. The sequence of all Work shall be coordinated and integrated amongst all Trade Contractors in order to meet the overall dates listed in the Schedule. This will require full cooperation and coordination from multiple Trade Contractors involved in the Work. In General, the Work shall be executed in order to achieve the most expeditious installation sequence with priority for safety, quality and production.
8. Allow access and sufficient/reasonable time for others for installation of their Work that is integral with this Trade Contractor's Work.
9. Provide construction water including usage fees for this Trade Contractor's Work including hydrant meter, fittings and appurtenances needed for its work. This supersedes section 002410, paragraph E. Coordinate requirements for accessing, metering and providing water with Alderwood Water District.
10. Provide (2) hose bib connections each major phase within 50 feet of the new building at locations directed by GCCM capable of connecting a standard garden hose. This includes any temporary piping, fittings, etc. Piping shall be buried where it crosses roadways or entrances.
11. Provide all survey/staking/layout for the Work of this package. The full extent of GC/CM provides survey will be four control points on-site.
12. Provide detailed as-built drawings in accordance with the Contract Documents, City, County and Water/Sewer District requirements. Final property survey will be provided by Others.
13. Provide all traffic control and flagging for work of this package. This includes traffic control plan preparation, submittal and permit fees for work in the Right of Way and construction areas.
14. Provide steel plates where utility work is ongoing within public areas and flaggers are not present. This includes uninterrupted access to the perimeter road around the building and as needed to accomplish uninterrupted jobsite access.
15. Site security fencing will be installed by the GC/CM. This Trade Contractor is responsible to remove, adjust and replace fencing as needed to execute the work.
16. Tree protection fencing will be installed by the GC/CM. This Trade Contractor is responsible to remove, adjust and replace fencing as needed to execute the work. For work within designated tree protection areas, Trade Contractor shall provide mulch, plates or other required measures.
17. Install, maintain and remove all temporary erosion and sediment control measures (including temporary sediment tanks) indicated and/or required in the Contract Documents. Trade Contractor shall provide a Certified Erosion and Sediment Control Lead (CESCL) for the full duration of the project; including periods of inactivity by Trade Contractor. The GCCM will provide temporary power within 100' pump locations. This Trade Contractor shall provide any needed extension cords to support TESC measures. Transfer the Construction Storm Water General Permit into Trade Contractor's name in accordance with Washington State Department of Ecology requirements.
18. Bid Package 31.1 Trade Contractor shall provide the means to properly treat turbid water including the use of ponds, pumps, infiltration and/or other measures needed for lawful discharge into the storm system.
19. Provide all clearing, grubbing and site demolition.

20. **SITE ARMORING & TEMPORARY SURFACES:** Sheets C2.03 and C2.04 identify the scope of temporary all weather construction surfaces that will be used for construction access, staging, offices and parking over the course of the Project's construction time-line. Provide all surfaces indicated. The finish elevation of these surfaces is intended to be the compacted subgrade elevation for the final surface composition that will be installed later on top of the permeable gravel surfaces. (For example, above the permeable gravel surfacing will be the specified thickness of CSBC, CSTC, Capillary Break, concrete, asphalt, topsoil or other material(s) as indicated in the 'S' "C" and "L" plan sheets). The permeable gravel is not a substitution for any of the final surface composition. Note, where armoring is shown in landscape areas it shall be installed over the top of design subgrade and removed by the Bid Package 31.1 Trade Contractor prior to the start of landscaping activities.
21. **USE OF NATIVE MATERIAL:** Trade Contractor acknowledges that there are varying levels of unsuitable materials as described in the soils report and associated boring information. Native material deemed suitable per Section 312000 may be used for common and/or structural fill EXCEPT as follows: Structural fill below the building footprint within 2ft of subgrade shall be imported structural fill.
22. **UNANTICIPATED OVER EXCAVATION AND BACKFILL:** Trade Contractor shall excavate to the bottom of subgrade elevations shown in the Contract Documents. Material below design subgrade elevations that are deemed unsuitable by Owners geotechnical engineer shall be over excavated and backfilled at the direction of the Owners geotechnical engineer. Trade Contractor and Owners geotechnical engineer shall agree to the bank cubic yard measurement for excavation and backfill quantities at the time the work is performed. Agreed to quantities shall be documented in the geotechnical engineers field report. Trade Contractor is to include 1,000bcy of over excavation and backfill beneath foundations in the UP Bid Section on the Bid. Trade Contractor will be compensated in accordance with 004322 – Schedule of Unit Prices (Reference UP-1 & UP-2).
23. Trade Contractor is responsible to use best practices and methods appropriate for the type of conditions and materials indicated in the soils report and found in the field. Trade Contractor will not be compensated for native materials that become unsuitable due to the lack of proper protection and/or treatment.
24. **Excavation & Backfill for Building & Site Foundations:** Provide structural excavation and backfill within the building footprint and covered play area, site retaining walls, site planter walls, and site seat walls, including layout of footing excavations and a grade checker during performance of the work. Size of excavation requirement shall be 18" inches beyond edge of concrete to allow access for forming and stripping of concrete. Trade Contractor shall provide for 100% import structural fill for foundation excavation backfill. Stockpiling material within the confines of the building pad and 10ft around the building pad is prohibited.
25. Provide capillary break material below slabs at slab on grade locations. Trade Contractor shall utilize a telebelt to place capillary break material at all locations. Trade Contractor acknowledges that electrical conduits will be installed upon the subgrade prior to installation of capillary break.
26. Provide rockeries including subgrade preparation, drainage and backfill.
27. Restore areas disturbed by excavation activities.
28. Provide all water, sewer, and storm utilities complete, including but not limited to french drains, footing drains, infiltration trenches, and trench drains in concrete.

- Piping shall terminate within three feet of the building exterior. Trade Contractor shall provide all final connections and associated testing.
29. Concrete thrust blocks.
 30. Provide lid adjustment and patching for all utilities within this package after paving.
 31. Provide new fire supply service line into buildings and terminate at finish floor where it turns up into building with bolt flange. Coordinate with Fire Sprinkler Trade Contractor for precise location to stub up.
 32. Provide connection from downspouts to transition below grade.
 33. Provide all grading and subgrade preparation including associated crushed surface base course, top course, etc... at site concrete sidewalks, curbs, walls, stairs, etc....
 34. Provide pavement markings, concrete wheel stops and site signage. This includes temporary striping at the temporary parking lot.
 35. Provide irrigation sleeving. Mark ends of all sleeves with a 2x4 marker sticking above grade painted white.
 36. Provide onsite trenching and backfill for SNOPUD natural gas line from the property line to the meter location, including vault excavation. Trench excavation and backfill shall be performed in accordance with SNOPUD requirements and shall be a minimum of 18" wide x 42" deep and shall include a minimum of 10" of sand shading. Coordinate with SNOPUD for their installation of the gas line, or provide a sleeve for SNOPUD in proper type and size of sleeve pipe (Assumed 6in for bidding purposes).
 37. Trenching & Backfill Work for BP-22.1 Mechanical Trade Contractor: Provide excavation, trenching and backfill for underground plumbing, mechanical and HVAC Work complete. The scope of the underground plumbing, mechanical and HVAC Work is depicted on drawings M1.01, M3.01 and M4.01. BP-22.1 Trade Contractor will layout locations of trenches in the field with upside-down paint and provide a field hand for grade checking. The BP-32.1 and BP-22.1 trade contractors shall closely coordinate in order to execute the work in the most reasonable quantities to allow the work to be accomplished in a steady and efficient fashion and also minimize the amount of trench that is left open for more than 48 hours. BP-32.1 Trade Contractor understands that the BP-22.1 Trade Contractor will be installing pipe, ducts and accessories in trenches provided by the BP-32.1 Trade Contractor and that all Work must be inspected and approved by the AHJ Inspector prior to backfill which will ultimately dictate how much trench can be opened up in any single time period. BP-32.1 Trade Contractor is responsible for all backfill requirements including concrete encasement, tracer tape and specific import materials for pipe bedding and shading.
 38. Trenching & Backfill Work for Others: Provide excavation, trenching and backfill for underground electrical Work complete including augured holes for Light Pole Bases. The scope of the underground electrical Work is depicted on drawings E1.01, IL1 and IL2. Typical trench size and backfill requirements are depicted in details on drawings. Additional requirements for trenching and backfill Work are specified in Section 26 0543. The Electrical Trade Contractor (ETC) will layout locations of trenches in the field with upside-down paint. The Site Development Contractor (SDTC) shall layout the ETC's vaults using its survey to ensure lids are set to proper grade and alignment. The SDTC and ETC shall closely coordinate in order to execute the work in the most reasonable quantities to allow the work to be accomplished in a steady and efficient fashion and also minimize the amount of trench that is left open for more than 48 hours. SDTC understands that the ETC will be installing conduit in trenches provided by the SDTC and that all Work must

be inspected and approved by the State Electrical Inspector prior to backfill which will ultimately dictate how much trench can be opened up in any single time period. Where providing the minimum electrical trench depths indicated in the details will create a conflict with another utility or structural element, the SDTC is responsible to lower the electrical trench grade as necessary to alleviate the conflict. SDTC is responsible for all backfill requirements including concrete encasement, tracer tape and specific import materials for pipe bedding and shading. SDTC shall provide above work in the following quantities by trench type (minor variation in actual trench size requirements due to separation and coverage requirements should be anticipated):

1. 2,100 LF - 12"w x 30"d trench
 2. 1,100 LF – 24"w x 40"d trench
 3. Includes Augering of Light Pole bases in the quantity indicated in the drawings.
39. Note: The trenching and backfill work is accounted for via Unit Prices on the Bid Form and not in the Base Bid amount. If actual quantities vary up or down, adjustment will be made via change order at the unit prices provide on the bid form. Payment will be made in accordance with Sections 00 4322 – Schedule of Unit Prices and 01 2200 – Unit Prices.
40. Trade Contractor acknowledges that there is a permit condition requirement for the fire loop and hydrant system to be charged and available prior to start of combustible construction activities. This Trade Contractor shall execute the Work in order to comply with this requirement.
41. Excavation and backfill for bollards, Flagpoles and vehicle gates.
42. Provide any ROW disturbance permits for work taking place in public ROW.
43. Concrete Work: Provide all site concrete work (sidewalks, pavement, curbs, stairs, stair cheek walls, etc...) except as specifically stated in Section C Exclusions. This includes all grading and subgrade preparation including associated crushed surface base course, top course, etc.
44. Asphalt Work: Provide flexible and pervious asphalt including grading and subgrade preparation (crushed surface base course, top course, etc...). This includes patching where shown on the Contract Documents and/or resulting from Trade Contractors Work. Includes all asphalt restoration for offsite utilities as shown in the documents and grind/overlay on Maltby Road as is depicted in the contract documents.
45. Trade Contractor acknowledges that paving sections shown with ATB will be paved in multiple mobilizations. The ATB layer will be installed during the first year of the project and will be utilized as construction access, staging and laydown. The final asphalt lift will be installed in the final year of the project. Trade contractor shall provide all necessary cleaning and patching of ATB surfaces as required prior to the final lift being installed.
46. Provide, pavement markings, concrete wheel stops and site signage.
47. Provide gravel roads shown on the "C" and "R" drawings. (Gravel pedestrian paths and gravel drip edge is by Others).
48. Trade Contractor shall include a \$50,000 allowance in its base bid as a Force Account allowance. Reference Section 002410-2.1.E.

C. Exclusions:

1. Cast-In-Place Building Concrete.

2. Cast-In-Place Retaining Walls.
3. Permanent landscaping and site specialties.
4. Temporary Construction Fencing.

2.19 BID PACKAGE BP-32.1 – LANDSCAPE & IRRIGATION

- A. This Trade Contractor shall have primary responsibility for the following specification sections, but shall also coordinate their work with all other Sections in order to provide a complete and coordinated installation.

Section	Description	Scope
Div 00	Procurement and Contracting Requirements	As Applicable
Div 01	General Requirements	As Applicable
32 80 00	Irrigation	Complete
32 90 00	Planting	Complete

B. Highlighted Inclusions:

1. This Bid Package is intended to include all scope of work for the Project associated with landscaping and irrigation in all areas onsite and offsite development.
2. Furnish a Payment and Performance Bond per section 002113 – Instructions to Bidders.
3. Time is of the essence, Trade Contractor acknowledges the aggressive schedule requirements, complexity and size of the project and by bidding this project is confirming its qualifications, experience and expertise to execute the Work and that it has the resources to complete the Work within the timeframes allowed (reference section 003113 – Construction Scheduling).
4. On site staffing requirements: During periods of on-site activity, this Trade Contractor shall have a full-time, on-site, representative who has full authority to make decisions for Trade Contractor regarding cost, quality control and schedule issues and capable of coordinating with other Trade Contractors and the GC/CM. Trade Contractor shall also provide other staff as needed to support the work of this Agreement.
5. Provide all hoisting and access equipment needed for Trade Contractors work. NOTE: The GC/CM forklift will only be made available for limited use for deliveries coordinated with the GC/CM.
6. To the largest degree practical, Trade Contractor shall prefabricate and assemble materials off-site using LEAN principles.
7. Trade Contractor acknowledges that it has read the soils report and understands the existing soils that will be encountered during soil preparation activities. See the soils report for more specific information.
8. Crushed rock pathways (including edging materials, if required).
9. Provide irrigation coverage testing.
10. The project’s perimeter site security fencing will be installed by the GC/CM. BP-32.1 is responsible to remove, adjust and replace fencing as needed to execute its Work.

11. Tree protection fencing has been installed by the GC/CM. BP-32.1 Trade Contractor is responsible to remove, adjust and replace fencing as needed to execute the Work. For work within designated tree protection areas, Trade Contractor shall provide mulch, plates or other required measures to comply with the specified requirements.
12. BP-32.1 Trade Contractor shall protect adjacent surfaces during work of this package.
13. BP-32.1 Trade Contractor shall pressure wash finish concrete and asphalt surfaces affected by work of this bid package upon completion of work.
14. Provide a Force Account Allowance of \$5,000 for Work not included in this Bid Package but determined by the GCCM to be best performed by this Trade Contractor.

C. Exclusions:

1. Line voltage power connections.

END OF SECTION 00 2413

DATE: May 7, 2017

PROJECT NAME: INGLEMOOR HIGH SCHOOL CONCERT HALL + MUSIC BUILDING

GC/CM: Cornerstone General Contractors, Inc
11805 North Creek Parkway South, Ste #115
Bothell, WA 98011
(425)481-7460

ARCHITECT: Hutteball + Oremus Architecture, Inc.
4010 Lake Washington Blvd, Suite 320
Kirkland, WA 98033
(425) 828-8948

BID DATE, TIME & LOCATION:

For the following bid packages, sealed bids must be submitted by email to Ashley Clericus (aclericus@nsd.org), Northshore School District No. 417, at time and dates listed below.

BID PACKAGE		BUDGET	BID DATE/TIME
BP-03.1	Building Concrete	\$ 2,260,000	May 11, 2020 / 3:00PM
BP-05.1	Steel Fab/Erect	\$ 2,280,000	May 11, 2020 / 3:00PM
BP-08.2	Openings	\$ 490,000	May 11, 2020 / 3:00PM
BP-10.1	Construction Specialties	\$ 600,000	May 11, 2020 / 3:00PM

IT IS THE INTENT OF CORNERSTONE GENERAL CONTRACTORS, INC. TO BID ON BID PACKAGES BP-03.1, BP-05.1, BP-08.2 AND BP-10.1 AS A TRADE CONTRACTOR. FOR THIS REASON, THE OWNER WILL EXCLUSIVELY MANAGE THE BIDDING PROCESS FOR THESE BID PACKAGES.

For the following bid packages, sealed bids must be received at Cornerstone General Contractors, Inc. offices, located at 11805 N. Creek Pkwy S, Suite #115, Bothell, WA 98011 at time and dates listed below

BID PACKAGE		BUDGET	BID DATE/TIME
BP-06.0	Casework & Finish Carpentry	\$ 760,000	May 12, 2020 / 2:00PM
BP-07.1	Metal Panels, Siding & Flashings	\$ 1,590,000	May 12, 2020 / 2:00PM
BP-07.2	Thermoplastic Membrane Roofing	\$ 420,000	May 12, 2020 / 2:00PM
BP-08.1	Aluminum Window Systems & Glass	\$ 680,000	May 12, 2020 / 2:00PM
BP-09.1	Framing & GWB	\$ 2,470,000	May 12, 2020 / 2:00PM
BP-09.2	Acoustical Ceilings and Treatments	\$ 360,000	May 12, 2020 / 2:00PM

BP-09.3a	Carpet	\$ 90,000	May 15, 2020 / 2:00PM
BP-09.3b	Resilient	\$ 90,000	May 15, 2020 / 2:00PM
BP-09.4	Tiling	\$ 150,000	May 12, 2020 / 2:00PM
BP-09.5	Painting, Coatings & Sealants	\$ 190,000	May 12, 2020 / 2:00PM
BP-14.1	Elevators	\$ 90,000	May 12, 2020 / 2:00PM
BP-21.1	Fire Sprinklers	\$ 270,000	May 12, 2020 / 2:00PM
BP-22.1	Mechanical	\$ 2,610,000	May 12, 2020 / 2:00PM
BP-31.1	Site Development	\$ 3,160,000	TBD
BP-32.1	Landscape & Irrigation	\$ 250,000	May 12, 2020 / 2:00PM

TO ALL PLAN HOLDERS:

This addendum modifies or interprets (by addition, deletion, clarification or correction) and takes precedence over previously issued Bidding and Contract Documents dated April 13, 2020. Bidders are requested to acknowledge receipt of this addendum in the designated place on the Official Bid Form. The following Addendum items are further instructions to the Bidders/Contractor:

This Addendum has a total of 2 pages and 1 attachments.

INDEX TO - ADDENDUM NO. 4

Addendum No. 4

- Electrical Drawing Modifications
- Theater Drawing Modifications

APPROVED SUBSTITUTIONS

- None

ELECTRICAL DRAWING MODIFICATIONS

SHEET E6.00 – One line Diagram, Electrical

1. ADD: Replace Panel X2 with new panel (Schedule attached)
2. ADD: Tap feeder to Panel X10 at ATS and bypass panel X2 for 70 amp feed to Panel X10. Provide 70/3 breaker on wall.
3. REVISE: Panel X10 will be fed from 70 amp breaker. Change feeder to Panel X10 from 50 to 100 amp per the feeder schedule. Provide breakers required for existing feeders to X panels to coordinate. Use large frame adjustable trip as necessary.
4. REVISE: Breaker in Panel X10 to 70/3

THEATER DRAWING MODIFICATIONS

SHEET TL8.2 – Theater Lighting - Schedules

1. REVISE House Lighting Fixture Schedule per attachment TL8.2

END OF ADDENDUM NO.4

PANEL	X2	VOLTS	480 /277	3 PHASE, 4 WIRE, WYE
LOCATION	CAMPUS MER	AMPS	70	
MOUNTING	SURFACE	MAIN CIRCUIT BREAKER: FEED THROUGH LUGS		
AIC	25,000	GROUND BUS		
FED FROM	ATS	NEC 700, COORDINATE WITH DOWNSTREAM		
(REPLACES EXISTING)				

CCT NO.	CCT BRKR	DESCRIPTION	LOAD KVA	CCT NO.	CCT BRKR	DESCRIPTION	LOAD KVA
1	20/1	EX LTS	0.50	2	30/3	EX PANEL X8	0.70
3	20/1	EX LTS	0.20	4			
5	20/1	EX SPARE	0.00	6			
7	30/3	EX PANEL X3	0.61	8	30/3	EX PANEL X1	2.30
9				10			
11				12			
13	15/3	EX PANEL XP	8.26	14	30/3	EX PANEL X9	0.88
15				16			
17				18			
19	30/3	EX PANEL X7	1.56	20		SPACE	0.00
21				22		SPACE	
23				24		SPACE	
25	30/3	EX PANEL X5	11.56	26		SPACE	0.00
27				28		SPACE	
29				30		SPACE	

CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD	AMPS
KVA		KVA	
LIGHTS	125%	22.89	27.53
RECEPTACLES	100%	0.00	0.00
HEATING	100%	0.00	0.00
LARGEST MOTOR	125%	0.00	0.00
OTHER MOTORS	100%	0.00	0.00
MISCELLANEOUS	100%	8.26	9.94
KITCH. APPLIANCES	100%	0.00	0.00
<hr/>		<hr/>	<hr/>
		31.15	37.46
TAP TO X10 LOAD		4.28	5.14
GENERATOR LOAD		35.42	42.63

**Inglemoor
High School
Concert Hall +
Music
Building**

15500 Simonds Road NE
Kenmore, WA 98028

Northshore School District No.
417

SCHOOL
DISTRICT

02.13.19 SCHEMATIC DESIGN

04.08.19 VALUE ENGINEERING

09.16.19 SITE PLAN REVIEW

10.18.20 DESIGN DEVELOPMENT

01.13.20 CONSTRUCTION PERMIT REVIEW

03.23.20 HEALTH DEPARTMENT PERMIT SUBMITTAL

04.13.20 BID DOCUMENTS

BID DOCUMENTS

04.13.2020

PROJECT NUMBER: 1111

SHEET
NAME

**THEATER LIGHTING -
SCHEDULES**

SHEET
NUMBER

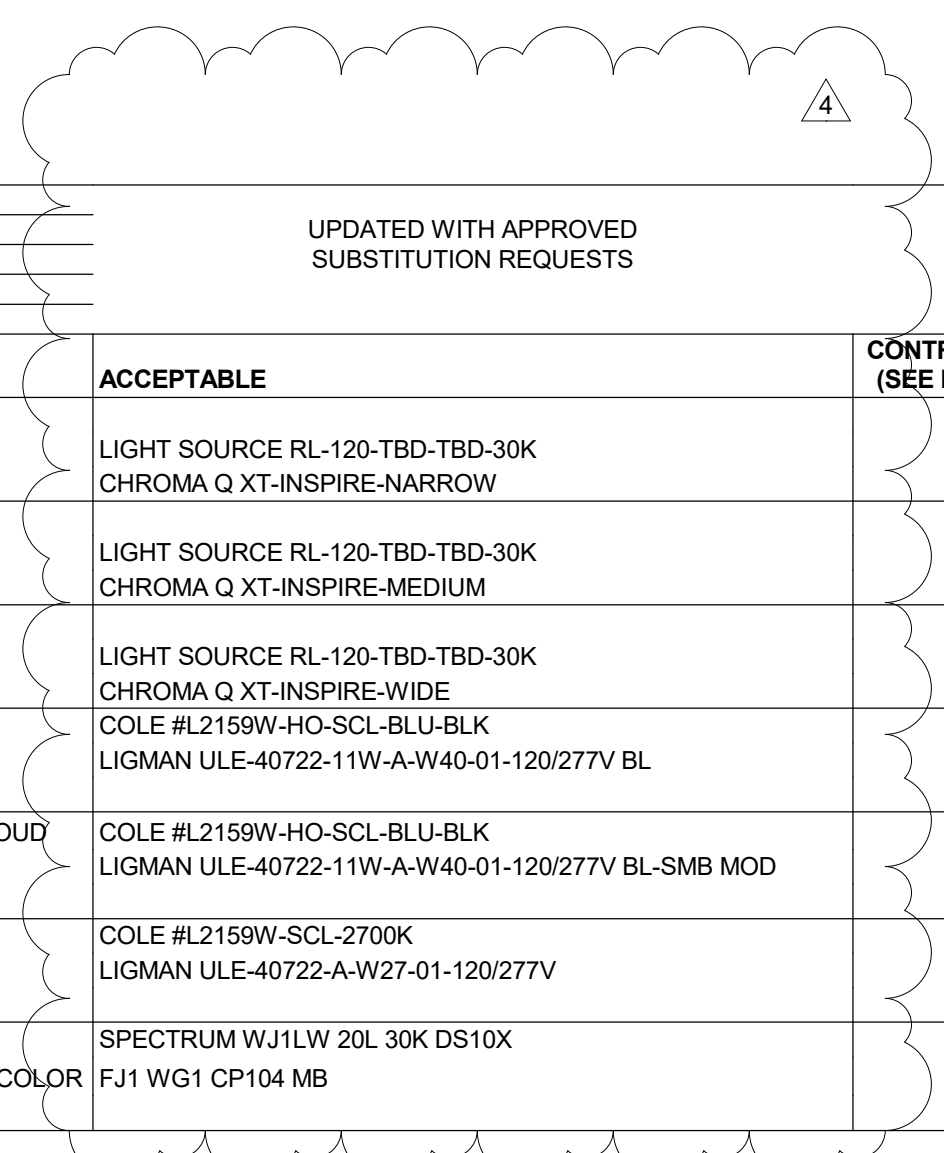
TL8.20

STAGE LIGHTING DISTRIBUTION DEVICE...

PROJECT: INGLEMOOR HIGH SCHOOL
KENMORE, WA
DATE: 3/20/2020

ID #	TYPE / MOUNTING	PLAN LOCATION	SHT/DETAIL	RECEPTACLE	FEED	LARGE LABEL	SMALL LABEL	PHYSICAL SHT/DETAIL	REMARKS
1	PLUGBOX PIPE MOUNT	FOH CATWALK	TL2.40/1	(2) 5-20C-P36 (1) 5-20RD	RP1:1, 2 TP1:1	1, 2 C1	RP1:1, 2 TP1:1	TL6.10/4	
2	PLUGBOX PIPE MOUNT	FOH CATWALK	TL2.40/1	(2) 5-20C-P36 (1) 5-20RD	RP1:3, 4 TP1:2	3, 4 C2	RP1:3, 4 TP1:2	TL6.10/4	
3	PLUGBOX PIPE MOUNT	FOH CATWALK	TL2.40/1	(2) 5-20C-P36 (1) 5-20RD	RP1:5, 6 TP1:3	5, 6 C3	RP1:5, 6 TP1:3	TL6.10/4	
4	PLUGBOX PIPE MOUNT	FOH CATWALK	TL2.40/1	(2) 5-20C-P36 (1) 5-20RD	RP1:7, 8 TP1:4	7, 8 C4	RP1:7, 8 TP1:4	TL6.10/4	
5	PLUGBOX PIPE MOUNT	FOH CATWALK	TL2.40/1	(2) 5-20C-P36 (1) 5-20RD	RP1:9, 10 TP1:5	9, 10 C5	RP1:9, 10 TP1:5	TL6.10/4	
6	PLUGBOX PIPE MOUNT	FOH CATWALK	TL2.40/1	(2) 5-20C-P36 (1) 5-20RD	RP1:11, 12 TP1:6	11, 12 C6	RP1:11, 12 TP1:6	TL6.10/4	
7	PLUGBOX PIPE MOUNT	FOH CATWALK	TL2.40/1	(2) 5-20C-P36 (1) 5-20RD	RP1:13, 14 TP1:7	13, 14 C7	RP1:13, 14 TP1:7	TL6.10/4	
8	PLUGBOX PIPE MOUNT	FOH CATWALK	TL2.40/1	(2) 5-20C-P36 (1) 5-20RD	RP1:15, 16 TP1:8	15, 16 C8	RP1:15, 16 TP1:8	TL6.10/4	
9	PLUGBOX PIPE MOUNT	FOH CATWALK	TL2.40/1	(2) 5-20C-P36 (1) 5-20RD	RP1:17, 18 TP1:9	17, 18 C9	RP1:17, 18 TP1:9	TL6.10/4	
10	PLUGBOX PIPE MOUNT	FOH CATWALK	TL2.40/1	(2) 5-20C-P36 (1) 5-20RD	RP1:19, 20 TP1:10	19, 20 C10	RP1:19, 20 TP1:10	TL6.10/4	
11	PLUGBOX PIPE MOUNT	FOH CATWALK	TL2.40/1	(2) 5-20C-P36 (1) 5-20RD	RP1:21, 22 TP1:11	21, 22 C11	RP1:21, 22 TP1:11	TL6.10/4	
12	PLUGBOX PIPE MOUNT	FOH CATWALK	TL2.40/1	(2) 5-20C-P36 (1) 5-20RD	RP1:23, 24 TP1:12	23, 24 C12	RP1:23, 24 TP1:12	TL6.10/4	
13	PLUGBOX PIPE MOUNT	SIDE LOT	TL2.20/1	(3) 5-20C-P36 (1) 5-20RD	RP1:25, 26, 27 TP1:13	25, 26, 27 C13	RP1:25, 26, 27 TP1:13	TL6.10/6	
14	PLUGBOX PIPE MOUNT	SIDE SLOT	TL2.20/1	(3) 5-20C-P36 (1) 5-20RD	RP1:28, 29, 30 TP1:14	28, 29, 30 C14	RP1:28, 29, 30 TP1:14	TL6.10/6	
15	FLOOR POCKET	STAGE FLOOR	TL2.10/1	(3) 5-20R-FL (1) 5-20RD (1) 5 PIN XLR	RP1:31, 32, 33 TP1:15 AUX RACK	31, 32, 33 C15	RP1:31, 32, 33 TP1:15	TL6.10/1	
16	FLOOR POCKET	STAGE FLOOR	TL2.10/1	(3) 5-20R-FL (1) 5-20RD (1) 5 PIN XLR	RP1:34, 35, 36 TP1:16 AUX RACK	34, 35, 36 C16	RP1:34, 35, 36 TP1:16	TL6.10/1	
17	PLUGBOX SURFACE MOUNT	NEAR REAR EDGE OF THIRD REFLECTOR	TL2.40/1	(3) 5-20R-FL (1) 5-20RD	RP1:42, 43, 44 TP1:17	42, 43, 44 C17	RP1:42, 43, 44 TP1:17	TL6.10/5	
18	PLUGBOX SURFACE MOUNT	NEAR REAR EDGE OF THIRD REFLECTOR	TL2.40/1	(3) 5-20R-FL (1) 5-20RD	RP1:42, 43, 44 TP1:17	42, 43, 44 C17	RP1:42, 43, 44 TP1:17	TL6.10/5	
19	PLUGBOX SURFACE MOUNT	NEAR REAR EDGE OF THIRD REFLECTOR	TL2.40/1	(3) 5-20R-FL (1) 5-20RD	RP1:42, 43, 44 TP1:17	42, 43, 44 C17	RP1:42, 43, 44 TP1:17	TL6.10/5	
20	N/A								
21	N/A								
22	N/A								
23	N/A								
24	N/A								
25	N/A								

- NOTES:
1. ALL DISTRIBUTION DEVICES SHALL BE UL LISTED AND LABELED
2. REFER TO SPECIFICATION SECTION 260962 FOR ADDITIONAL DETAILS



HOUSE LIGHTING FIXTURE SCHEDULE

PROJECT: INGLEMOOR HIGH SCHOOL
KENMORE, WA
DATE: 5/6/2020

TYPE	BASIS OF DESIGN	ACCEPTABLE	CONTROL METHOD (SEE NOTE 4, 5, 6)	LAMP(S)	INPUT WATTAGE	INPUT VOLTAGE	MOUNTING	COMMISSIONING	REMARKS
HA	METEOR REV 8 PRIME-W+RGB: #R8PN-2008-308C-U-DMX-45-BLK-SCA15 LED DOWNLIGHTS, 45 DEG, WITH 15 DEG SLOPE ADAPTER	LIGHT SOURCE RL-120-TBD-TBD-30K CHROMA Q XT-INSPIRE-NARROW	DMX	INTEGRAL LED-RGB+W CRI 85 MIN.	150W	120 V	RECESSED IN ACOUSTICAL CEILING PROVIDE SLOPE ADAPTOR.	YES	PROVIDE FIXTURE WITH REMOTE DRIVER; DMX DIMMING DOWN TO 0.1% CHROMA Q FIXTURE SUPPLIED WITH SLOPED CEILING KIT LUMEN OUTPUT FOR WHITE LED ACCEPTED RANGE: 7,000 MIN/12,000 MAX
HB	METEOR REV 8 PRIME-W+RGB: #R8PN-2008-308C-U-DMX-45-BLK-SCA10 LED DOWNLIGHTS, 45 DEG, WITH 10 DEG SLOPE ADAPTER	LIGHT SOURCE RL-120-TBD-TBD-30K CHROMA Q XT-INSPIRE-MEDIUM	DMX	INTEGRAL LED-RGB+W CRI 85 MIN.	150W	120 V	RECESSED IN ACOUSTICAL CEILING PROVIDE SLOPE ADAPTOR.	YES	PROVIDE FIXTURE WITH REMOTE DRIVER; DMX DIMMING DOWN TO 0.1% CHROMA Q FIXTURE SUPPLIED WITH SLOPE CEILING KIT LUMEN OUTPUT FOR WHITE LED ACCEPTED RANGE: 7,000 MIN/12,000 MAX
HC	METEOR REV 8 PRIME-W+RGB: #R8PN-2008-308C-U-DMX-45-BLK-SCA05 LED DOWNLIGHT, 45 DEG, WITH 5 DEG CUSTOM SLOPE ADAPTER	LIGHT SOURCE RL-120-TBD-TBD-30K CHROMA Q XT-INSPIRE-WIDE	DMX	INTEGRAL LED-RGB+W CRI 85 MIN.	150W	120 V	RECESSED IN ACOUSTICAL CEILING PROVIDE SLOPE ADAPTOR.	YES	PROVIDE FIXTURE WITH REMOTE DRIVER; DMX DIMMING DOWN TO 0.1% CHROMA Q FIXTURE SUPPLIED WITH SLOPE CEILING KIT LUMEN OUTPUT FOR WHITE LED ACCEPTED RANGE: 7,000 MIN/12,000 MAX
HFBF	ELCAST LIGHTING #1210-2LED-9W-BLUE-120-MB SAFETY STEP LIGHT WITH TIGHT SHIELDED BLACK METAL LOUVER BLUE COLOR SHALL APPROXIMATE ROSCO #67	COLE #L2159W-HO-SCL-BLU-BLK LIGMAN ULE-40722-11W-A-W40-01-120277V BL	PWR	INTEGRAL LED CRI 85 MIN.	10 W	120 V	FLUSH MOUNT @+18" AFF UNO	NO	FACTORY BACKBOX IS RATED FOR 2-WIRES IN / 2-WIRES OUT WITHOUT REQUIRING JUNCTION BOX OPTION. CONTRACTOR SHALL DEVELOP ROUGH IN SO THAT OPTIONAL FACTORY JUNCTION BOX IS NOT REQUIRED. ALL PARTS FINISHED SATIN BLACK.
HFBP	ELCAST LIGHTING #1210-2LED-9W-BLUE-120-MB WITH SURFACE MOUNT SHROUD SAFETY STEP LIGHT WITH TIGHT SHIELDED BLACK METAL LOUVER BLUE COLOR SHALL APPROXIMATE ROSCO #67	COLE #L2159W-HO-SCL-BLU-BLK LIGMAN ULE-40722-11W-A-W40-01-120277V BL-SMB MOD	PWR	INTEGRAL LED CRI 85 MIN.	10 W	120 V	PIPE MOUNT WITH CADY CLIPS SEE DETAIL ON TL 4.1	NO	RATED FOR 2-WIRES IN / TWO WIRES OUT WITHOUT REQUIRING JUNCTION BOX OPTION. ... SHALL DEVELOP ROUGH IN SO THAT OPTIONAL FACTORY JUNCTION BOX IS NOT REQUIRED. PROVIDE MOUNTING CLIPS AS PER DETAIL ON DRAWINGS. ALL PARTS FINISHED SATIN BLACK.
HPWF	ELCAST LIGHTING #1210-2LED-6W-2700K-120-MB SAFETY STEP LIGHT WITH TIGHT SHIELDED BLACK METAL LOUVER LIGHT COLOR SHALL BE 2700K.	COLE #L2159W-SCL-2700K LIGMAN ULE-40722-A-W27-01-120277V	PWR	INTEGRAL LED CRI 85 MIN.	10 W	120 V	FLUSH MOUNT IN WALL @+18" AFF UNO	NO	FACTORY BACKBOX IS RATED FOR 2-WIRES IN / 2-WIRES OUT WITHOUT REQUIRING JUNCTION BOX OPTION. CONTRACTOR SHALL DEVELOP ROUGH IN SO THAT OPTIONAL FACTORY JUNCTION BOX IS NOT REQUIRED. ALL PARTS FINISHED SATIN BLACK.
HJW	CANLET # 03-20W-L-C-F-OG-5500K NON-METALLIC VAPOR-PROOF, SURFACE MOUNTED LED WORKLIGHT, 5500K COLOR BLACK FINISH, WITH GUARD, HEAT-TREATED GLASS GLOBE AND J-BOX.	SPECTRUM WJ1LW 20L 30K DS10X FUJ1 WGI CP104 MB	PWR	INTEGRAL LED CRI 85 MIN.	20 W	120 V	SURFACE MOUNT REFER TO PLAN FOR ELEVATION	NO	

- REMARKS:
1) ALL FIXTURES MUST BE 120 VOLT RATED.
2) FIXTURE TYPE HA, HB, HC: PROVIDE XLR SOCKETS; REMOTE DRIVER AS SHOWN ON DRAWING. COORDINATE CEILING SLOPE ADAPTER ANGLE WITH ARCHITECT. BEAM ANGLE, TRIM RING FINISH TBD AT SUBMITTAL REVIEW.
3) FIXTURE TYPE HA, HB, HC: ALTERNATE FIXTURES SUBMITTED FOR PRIOR APPROVAL MUST BE DEMO'D FOR THE END USER APPROVAL. APPROVED FIXTURES NOTIFIED VIA ADDENDUM.
4) IN 'CONTROL METHOD' COLUMN PWR = LINE (120 VAC) SWITCHING OR DIMMING, DMX = FIXTURE IS DIGITALLY CONTROLLED VIA DMX/RDM OR ACN, 0-10 V = FIXTURE IS LOW VOLTAGE CONTROLS VIA 0 - 10 VDC
5) ALL HOUSE LIGHTING FIXTURES, LAMPS AND ACCESSORIES SHALL BE FURNISHED AND INSTALLED UNDER DIVISION 26
6) FIXTURES LISTED WITH 'DMX' OR '0-10 VDC' CONTROL METHOD REQUIRE BOTH POWER AND CONTROL WIRING. CONTRACTOR TO PLAN ACCORDINGLY
7) FIXTURE COMMISSIONING SHALL INCLUDE BUT NOT BE LIMITED TO: TESTING, CONFIGURATION OF ID, SETTING AND FADE CURVE, CERTIFICATION OF LINE VOLTAGE, CONTROL SIGNAL INTEGRITY AND CONTROL WIRING CONTINUITY.
8) CAREFUL COORDINATION BETWEEN FIXTURE MANUFACTURER TECHNICIAN, CONTROL SYSTEM TECHNICIAN AND ELECTRICAL CONTRACTOR IS MANDATORY.
9) ALL HOUSE LIGHTING FIXTURES, LAMPS AND ACCESSORIES SHALL BE FURNISHED AND INSTALLED UNDER DIVISION 26.