

ADDENDUM NO. 03

DATE: May 5, 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 MANUAL ITEMS

1. Section 001116 Invitation to Bid (Revised Section can be found at end of this addendum in its entirety for convenience).
 - a. Revise bid package BP-09.3 into two Bid packages: BP-09.3a Carpet and BP-09.3b Resilient. Revise Bid date for these two packages to May 15, 2020 2:00PM.
2. Section 002413 Specific Scope of Work (Revised Section can be found at end of this addendum in its entirety for convenience).
 - a. Revise bid package BP-09.3 into two Bid packages: BP-09.3a Carpet and BP-09.3b Resilient.
 - b. Replace Section 002413 Specific Scope of Work Exhibit A Scope Matrix in it's entirety with the attached Exhibit A.
3. Section 004113 Bid Form (Revised Section can be found at end of this addendum in its entirety for convenience).
 - a. Add Bid Item 4: Revised Schedule – Project Start on 9/14/20 reference Section 003113 Schedule.
4. Section 004323 Schedule of Bid Items (Revised Section can be found at end of this addendum in its entirety for convenience).
 - a. Add Bid Item 4: Revised Schedule – Project Start on 9/14/20 reference Section 003113 Schedule.

BIDDER QUESTIONS

1. *QUESTION: Reference bench details on sheet A4.46. It looks like the sheet is asking for a solid bench at the north and south location if you look at the cross section drawings shown below, however if I look at the stair drawings on 2/A9.12 they appear to be hollow. Can you please let me know which direction we should take on these precast benches?*

ANSWER: Reference Addendum 3 from Hutteball + Oremus, these benches have been changed to cast in place.

2. *QUESTION: Relites R1 thru R4 drawn on Sheet A11.01 are constructed of Hollow Metal and the Details which are shown on Sheet A11.02 do not indicate any Sound Transmission Coefficients. The frame construction is drawn as single glazed with standard HM removable stops.*
- A. Relite R1 is located in Office 139. The Door In the same wall is noted to have an STC45 rating. Will Relite R1 also be required to be STC45?*
- B. (2) Relites R2 are located in the Choir Staff Office 220. The Doors in the same wall are noted to have an STC50 rating. Are Relites R2 also to be STC50?*
- C. Relites R3 and R4 are in the Music Tech Room 221. Will these Relites also be rated at STC50?*

ANSWER: For Hollow Metal Frame Relites R1 – R4, provide glazing assembly that meets an STC50 rating.

3. *QUESTION: Relite AW1 is noted to be a Sliding “Aluminum” Window. There is no STC Rating noted. Will this window be furnished by the Aluminum Storefront contractor?*

ANSWER: Aluminum Sliding window at Control Booth is not STC Rated and should be furnished by BP-08.1 Trade Contractor.

4. *QUESTION: Per Add #2 – 06 42 19 2.2 & 2.3 C1, please specify color and finish of desired Wilsonart plastic laminate.*

ANSWER: We are intending to utilize Wilsonart 7946-38 Brazilwood, however we are concerned about the laminates being discontinued and revised this language in Add #2 to read “color as selected by architect”.

5. *QUESTION: 12 35 50 2.3 L, please confirm coat hooks are integral to the division 12 casework.*

ANSWER: Yes, coat hooks are integral to div 12 casework.

6. *QUESTION: Per Add #2 Detail 6/A10.02 – please confirm VWC finish at the back of the display case is by 10 12 00.*

ANSWER: VWC-2 at these display cases shall be provided by BP-09.5 Trade Contractor.

OTHER ITEMS

1. Addendum NO. 3 from Hutteball + Oremus Architecture dated May 5, 2020 is attached to this addendum.

SECTION 00 1116 – INVITATION TO BIDDERS

PROJECT: Inglemoor High School Concert Hall + Music Building Project

LOCATION: 15500 Simond Road NE
Kenmore, WA 98028

OWNER: Northshore School District NO. 417
22105 23rd Dr. SE
Bothell, WA 98021
Contact: Ashley Clericus
Phone: (425) 408-7651
Email: aclericus@nsd.org

GCCM: Cornerstone General Contractors, Inc
11805 North Creek Parkway South, Ste #115
Bothell, WA 98011
Contact: Sam Comer
Phone: (425) 481-7460
Email: sam@cornerstonegci.com

ARCHITECT: Hutteball & Oremus Architecture, Inc.
4010 Lake Washington Blvd NE, Suite 320
Kirkland, WA 98033
Contact: Kevin Oremus
Phone: (425) 828-8948
Email: koremus@hoarch.com

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

BID DOCUMENTS: Bid Contractors may obtain one set of plans and specifications from DRSi upon receipt of a refundable deposit of \$200.00 made payable to Cornerstone General Contractors, Inc.

DRSi
12880 NE 21st PL
Bellevue, WA 98005
Phone: (425) 882-2600

Plans and specifications may also be viewed at Builders Exchange at www.bxwa.com under Cornerstone General Contractor's Inc, link, Projects Bidding (no password required). Or on the Owner's website at <http://www.nsd.org/business>.

BONDS: For all bids that exceed \$300,000 a Performance and Payment Bond is required. Bid Bond in the amount of 5% of the total bid is required for ALL bids that exceed \$300,000.

PREBID MEETING: Date/Time: April 23, 2020 @ 2:00 PM

To Respect Social Distancing guidelines the prebid meeting will be held online via Zoom. Please contact Sam Comer via phone 425-481-7460 or email sam@cornerstonegci.com to obtain zoom meeting information.

Site visits are permitted by appointment only. Please contact Sam Comer via phone 425-481-7460 or email sam@cornerstonegci.com to set up a site visit appointment.

Site Location: Inglemoor High School
15500 Simond Road NE
Kenmore, WA 98028

***Bidders are encouraged to attend pre-bid meeting but it is not mandatory.**

TRADE UNIONS: Trade Contractor recognizes Cornerstone has an agreement with the following Union; Pacific Northwest Regional Council of Carpenters. In accordance with RCW 39.10.380 Subcontractor Bidding Procedure, Trade Contractors shall be obligated and bound to such agreements for work claimed by the Carpenters Union. Should any of Trade Contractor work (including work of lower tier subcontractors) be claimed by this Union, Subcontractor will enter into an agreement with this Union for performance of the claimed work on this project.

SCOPE: See Section 002410 – General Scope of Work and Section 002413 – Specific Scope of Work.

NOTES: **Cornerstone General Contractors Inc. is acting as a construction manager for the Northshore School District, not as a general contractor on this project. For this reason, all rules for public bidding must be followed by all contractors bidding these packages. Bids must be submitted as indicated in the Instructions to Bidders. Faxed bids, bids which are not on the proper bid form, and bids that do not fulfill the requirements of the Instructions to Bidders, cannot be accepted. All bids shall remain valid for a period of 90 calendar days. Refer to RCW 39.10.380, Cornerstone General Contractors has a labor agreement with the Pacific Northwest Regional Council of Carpenters.**

END OF SECTION 00 1116

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 'IHSCH 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 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.
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 erection of precast may occur before or after complete steel erection, slab on metal deck placement and/or roof construction. As such Trade Contractor to provide means and methods for precast erection in fully enclosed building.

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 welds.
 - 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 Frames	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 $\frac{1}{4}$ "
 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 out 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

INGLEMOOR HIGH SCHOOL CONCERT HALL
Bid Package - Specification Matrix
April 22, 2020



FI = FURNISH & INSTALL
 F = FURNISH
 I = INSTALL
 P = PARTIAL (SEE SCOPE)

SPEC #	DESCRIPTION	BP-03.1	BP-05.1	BP-06.1	BP-07.1	BP-07.2	BP-08.1	BP-08.2	BP-09.1	BP-09.2	BP-09.3a	BP-09.3b	BP-09.4	BP-09.5	BP-10.1	BP-14.1	BP-21.1	BP-22.1	ECCM	BP-31.1	BP-32.1	COMMENTS
024119	Selective Demolition	P																				
026000	Contaminated Soil Management (PBS)																			FI		
033000	Cast-in-Place Concrete	FI																				
033543	Special Concrete Floor Finish	FI																				
034500	Precast Architectural Concrete	FI																				
051200	Structural Steel Framing		FI																			
051213	Architecturally Exposed Structural Steel Framing		FI																			
052100	Steel Joist Framing		FI																			
053100	Steel Decking		FI																			
054000	Cold-Formed Metal Framing							FI														
055000	Metal Fabrications		FI																			
061000	Rough Carpentry			P	P				P						P							
061600	Sheathing								FI													
062023	Interior Finish Carpentry			FI																		
064219	Plastic-Laminate-Faced Wood Paneling			FI																		
071113	Bituminous Dampproofing	FI																				
071700	Bentonite Waterproofing	FI																				
071900	Water Repellents													FI								
072100	Thermal Insulation	P			P	P			P													
072500	Weather Barriers				FI																	
074213	Metal Wall Panels				FI																	
074214	Metal Composite Material Wall Panels				FI																	
074633	Composite Resin Panels				FI																	
074646	Fiber-Cement Siding								FI													
075419	Single-Ply Membrane Roofing					FI																
076200	Sheet Metal Flashing and Trim				FI	P																
078413	Penetration Firestopping								P								P	P	P			
079200	Joint Sealants	P		P	P	P	P	P	P	P	P	P	P	P	P		P	P	P	P		
079500	Expansion Control				P										P							
081113	Hollow Metal Doors and Frames							FI	P													
081114	Custom Hollow Metal Doors and Frames							FI	P													
081416	Flush Wood Doors							FI														
083113	Access Doors and Frames							FI							FI							
083473	Sound Control Door Assemblies							FI														
084113	Aluminum-Framed Entrances and Storefronts						FI															
084413	Glazed Aluminum Curtain Walls						FI															
085113	Aluminum Windows						FI															
087100	Door Hardware							FI														
087113	Automatic Door Operators							FI														
088000	Glazing						FI															
089119	Fixed Louvers				FI																	
092116	Gypsum Shaft Wall Assemblies								FI													
092118	Acoustical Wall Construction								FI													
092216	Non-Structural Metal Framing								FI													
092900	Gypsum Board								FI													
093013	Ceramic Tiling												FI									
095113	Acoustical Panel Ceilings									FI												
095426	Suspended Wood Ceilings									FI												
096513	Resilient Base and Accessories											FI										

INGLEMOOR HIGH SCHOOL CONCERT HALL
Bid Package - Specification Matrix
April 22, 2020



FI = FURNISH & INSTALL
F = FURNISH
I = INSTALL
P = PARTIAL (SEE SCOPE)

SPEC #	DESCRIPTION	BP-03.1	BP-05.1	BP-06.1	BP-07.1	BP-07.2	BP-08.1	BP-08.2	BP-09.1	BP-09.2	BP-09.3a	BP-09.3b	BP-09.4	BP-09.5	BP-10.1	BP-14.1	BP-21.1	BP-22.1	ECCM	BP-31.1	BP-32.1	COMMENTS
096519	Resilient Tile Flooring											FI										
096551	Performing Arts Specialty Floors														FI							
096816	Sheet Carpeting										FI	FI										
097200	Wall Coverings													FI								
097700	Sanitary Wall Panels														FI							
098400	One-Dimensional Diffuser			FI																		
098433	Acoustical Wall Panels									FI												
099113	Exterior Painting													FI								
099123	Interior Painting													FI								
101100	Visual Display Units														FI							
101200	Display Case			FI																		
101423	Signage														FI							
102113	Toilet Compartments														FI							
102123	Cubicle Curtains and Track														FI							
102600	Corner Guards														FI							
102800	Toilet, Bath, and Custodial Accessories														FI							
104413	Fire Protection Cabinets														FI							
109000	Miscellaneous Specialties														FI							
116171	Production Lighting Fixtures - Theatre (PLA)																	FI				
116623	Gymnasium Equipment														FI							
122113	Horizontal Louver Blinds														FI							
122413	Roller Window Shades														FI							
123550	Casework			FI																		
126113	Fixed Audience Seating (PLA)														FI							
142400	Hydraulic Elevators															FI						
210000	Fire Suppression Work Specified in Division 23																FI					
210800	Automatic Fire Suppression Systems																FI					
DIV 22	PLUMBING																	FI				
DIV 23	HVAC																	FI				
DIV 26	ELECTRICAL																		FI			
DIV 27	COMMUNICATIONS																		FI			
DIV 28	ELECTRONIC SAFETY AND SECURITY																		FI			
311000	Site Clearing and Site Demolition																			FI		
312000	Earth Moving																	P		FI		
312500	Erosion and Sediment Control																			FI		
321216	Asphalt Concrete Paving																			FI		
321313	Concrete Paving, Curbs, and Walks																			FI		
321723	Pavement Markings																			FI		
323000	Site Improvements														FI							
323113	Chain Link Fences & Gates														FI							
328000	Irrigation																				FI	
329000	Planting																				FI	
331100	Water Distribution																			FI		
333100	Sanitary Sewer																			FI		
334100	Storm Drainage																			FI		
334613	Foundation Drainage																			FI		

SECTION 00 4113 – BID FORM

**CORNERSTONE GENERAL CONTRACTOR'S, INC
GENERAL CONTRACTOR/CONSTRUCTION MANAGER (GC/CM)
11805 NORTH CREEK PARKWAY SOUTH, SUITE #115
BOTHELL, WA 98011**

FOR BID PACKAGE BP-03.1, BP-05.1, BP-08.2 & BP-10.1 BIDS SHALL BE SUBMITTED BY EMAIL TO:

Ashley Clericus, aclericus@nsd.org
Northshore School District No. 417
22105 23rd Dr. SE
Bothell, WA 98021

BID DATE/TIME: 5/11/20 @ 3:00 pm

FOR ALL OTHER BID PACKAGES BIDS SHALL BE HAND DELIVERED TO:

Cornerstone General Contractors, Inc.
11805 North Creek Pkwy S, Ste #115
Bothell, WA 98011

BID DATE/TIME: 5/12/20 @ 2:00 pm

PLEASE NOTE:

Certain Bid Packages allow submitting a 'Combined Bid' for multiple Bid Packages on one Bid Form (reference Section 002113 Instructions to Bidders and Section 002413 Specific Scope of Work). Bidders who elect to submit a 'Combined Bid' must write ALL the Bid Package Title numbers on the first line of the Bid Form and submit one Base Bid number that includes the total bid for all Bid Packages listed.

Bidders who submit a 'Combined Bid' may also submit an 'Individual Bid' for each Bid Package at their discretion. Bidders submitting both 'Combined' and 'Individual' bids must fill out separate Bid Forms for each, but may submit them within the same envelope or different envelopes at their discretion. If submitted in the same envelope, one Bid Bond for the highest amount is acceptable. If submitted in different envelopes then each bid must be accompanied with a separate Bid Bond.

The lowest responsive bid will be determined based upon the lowest combination of individual or combined bids for the affected Bid Packages.

PART 1 BASE BID

The following represents the Cost to perform the Base Bid Work described in the Contract Documents. The Base Bid Amount **DOES NOT INCLUDE** Unit Price allowances in Part 2 of this Bid Form. **The Base Bid Amount will be added to the Total Unit Price Allowance, plus selected Bid Items (if any) to determine the low bidder.**

BID PACKAGE No:

(write applicable Bid Package here)

NAME OF FIRM:

(write in name of bidding firm here)

In compliance with the contract documents, the following bid proposal is submitted:

BASE BID AMOUNT:

\$

(including
Payment/Performance Bond,
and Trench Excavation Safety
provisions)

(do not include Washington State Sales Tax)

(please print dollar amount in words in the space above))

TRENCH EXCAVATION SAFETY PROVISIONS

\$

If the base bid amount contains any work which requires trenching exceeding a depth of four feet, **all costs for trench safety shall be included in the Base Bid** for adequate trench safety systems in compliance with Chapter 39.04 RCW, 49.17 RCW and WAC 296-155-650. Bidder must include a lump sum dollar amount in the blank above (even if the value is \$0.00) to be responsive.

PART 2 UNIT PRICE ALLOWANCE

If there are any Unit Prices that relate to the Bid Package that your firm is submitting a bid on, enter them in the spaces provided below. Reference Section 004322 – Schedule of Unit Prices for additional information. Extend all Unit prices by the stipulated quantities given below. Extended Unit Prices shall not be including in the Base Bid Amount. **Extended Unit Prices shall NOT BE INCLUDED in the Base Bid Amount. Do not include Washington State Sales tax in unit prices.**

Unit Price	Description	QTY	Unit Price	Extended Amount
UP-1	Over Excavation & Disposal of Unsuitable Soil: Excavate, remove, haul and dispose of unsuitable soil as directed by Owner's geotechnical representative. Reference Section	1,000 BCY	\$	\$

	312000- Earth Moving. This unit price applies to excavation directed by the geotechnical representative that are below existing subgrade elevations. BP-31.1			
UP-2	Imported Structural Fill: Import and place Structural Fill per Section 312000 – Earth Moving. This unit price applies to areas of unanticipated over excavation (UP-1). BP-31.1	1,000 BCY	\$	\$
UP-3	Over Excavation & Disposal of Contaminated Soil: Excavate, remove, haul and dispose of unsuitable soil as directed by Owner's geotechnical representative. Reference Section 026000 – Contaminated Soil Removal. This unit price applies to excavation directed by the geotechnical representative that are below existing subgrade elevations.	100 BCY	\$	\$
UP-4	Utility Trench Backfill Geotextile Fabric: Provide geotextile fabric at utility trench over excavations as directed by Owner's geotechnical engineer. Reference Section 31200 – Earth Moving.	1,000 SF	\$	\$
UP-5	Electrical Trenching – 12"w x 30"d (Includes Excavation, Bedding, Backfill & Spoil removal)	2,100 LF	\$	\$
UP-6	Electrical Trenching – 24"w x 40"d (Includes Excavation, Bedding, Backfill & Spoil removal)	1,100 LF	\$	\$
Total Extended Unit Prices:				\$

PART 3 TOTAL BID EVALUATION AMOUNT	
A. PART 1 – BASE BID AMOUNT	\$
B. PART 2 – TOTAL UNIT PRICE ALLOWANCE	\$
C. PART 3 – TOTAL BID EVALUATION (A+B)	\$

The Total Bid Evaluation Amount will be added to selected additive or deductive Bid Items (if any) to determine the low bidder.

PART 4 ADDITIVE & DEDUCTIVE BID ITEMS

If there are any Bid Items that relate to the Bid Package your firm is submitting on, enter them in the spaces provided below. Selected Bid Items will be added/deducted to the base bid for purposes of determining low bidder. Reference Sections 004323 – Schedule of Bid Items and 012300 Alternates for additional information.

Bid Item	Description	Bid Package	Amount
1a	GENERATOR REPLACEMENT: Replace existing 35 KW natural gas generator with propane backup with new 125 KW diesel generator with basetank and extend to new building. Provide new Manual Transfer Switch with Camlocs. See Section 263323.	BP-22.1, ECCM, BP-31.1, BP-32.1	\$
1b	GENERATOR REPLACEMENT: Replace existing 35 KW natural gas generator with propane backup with new 125 KW natural gas generator with propane backup and extend to new building. Provide new Manual Transfer Switch with Camlocs. Alternate price shall include increased natural gas pipe size and propane tank for 90-minute backup. See Section 263323.	BP-22.1, ECCM, BP-31.1, BP-32.1	\$
2	COOLING COIL: Cooling Coils provided within all AHU equipment per schedule on M0.06.	BP-22.1	
3a	THEATER SEATING BY IRWIN: State the amount to provide and install Irwin seating as specified in Section 126113 "Fixed Audience Seating".	BP-10.1	
3b	THEATER SEATING BY HUSSEY: State the amount to provide and install Hussey seating as specified in Section 126113 "Fixed Audience Seating".	BP-10.1	
4	REVISED SCHEDULE: Project Start Date of 9/14/20. Reference section 003113 Schedule.	All	

RECEIPT OF ADDENDA

Receipt of the following addenda is acknowledged.

Addenda. _____

BID BOND

A bid bond must be included for all bid amounts in excess or equal to \$300,000.00.

APPRENTICESHIP REQUIREMENTS

The apprentice labor hours required for this project are 15% of the total labor hours. The undersigned agrees to utilize this level of participation.

LIQUIDATED DAMAGES

Bidder has familiarized themselves with the schedule requirements dictated in the contract documents. It is understood that liquidated damages in the amount of **\$3,000 (Three Thousand Dollars)** may be assessed for each consecutive calendar day the completion of the project exceeds the specified Substantial Completion date and/or Completion Date established for this Bid Package (whichever comes first) and **\$1,000 (One Thousand Dollars)** for each consecutive calendar day beyond Final Completion as defined in section 007200 – General Conditions. Liquidated damages shall be deducted from the contract by change order.

INTENT AND AFFIDAVIT OF WAGES PAID

In compliance with 296-127 WAC the Contractor shall pay all fees associated with the Intent and Affidavit of Wages Paid to the Department of Labor and Industries. These costs are included in the bid.

Name of Firm: _____

NOTE: *If bidder is a corporation, write State of Incorporation; if a partnership, give full names and addresses of all parties below.*

Signed By: _____, Official Capacity _____

Print Name _____ e-mail Address _____

Address _____

City _____ State _____ Zip Code _____

Date _____ Telephone _____ Fax _____

State of Washington Contractor's License No. _____

Federal Tax Identification Number _____

UBI Number _____

END OF SECTION 00 4113

SECTION 00 4323 – SCHEDULE OF BID ITEMS

PART 1 - GENERAL

1.1 SUMMARY

- A. This section includes a schedule of Additive and Deductive Bid Items.
- B. Related Sections: The following Sections contain requirements that relate to this Section:
1. Section 002413 – Specific Scope of Work (by Bid Package)
 2. Section 004113 – Bid Form
 3. Section 012300 - Alternates
 4. Applicable Sections for the scope of work described in each bid items below.

1.2 SCHEDULE OF BID ITEMS

- A. Bid Item Pricing shall be included in the spaces provide on the Bid Form.

Bid Item	Description	Bid Package
1a	GENERATOR REPLACEMENT: Replace existing 35 KW natural gas generator with propane backup with new 125 KW diesel generator with basetank and extend to new building. Provide new Manual Transfer Switch with Camlocs. See Section 263323.	BP-10.1, BP-22.1, ECCM, BP-31.1, BP-32.1
1b	GENERATOR REPLACEMENT: Replace existing 35 KW natural gas generator with propane backup with new 125 KW natural gas generator with propane backup and extend to new building. Provide new Manual Transfer Switch with Camlocs. Alternate price shall include increased natural gas pipe size and propane tank for 90-minute backup. See Section 263323.	BP-10.1, BP-22.1, ECCM, BP-31.1, BP-32.1
2	COOLING COIL: Cooling Coils provided within all AHU equipment per schedule on M0.06.	BP-22.1
3a	THEATER SEATING BY IRWIN: State the amount to provide and install Irwin seating as specified in Section 126113 "Fixed Audience Seating".	BP-10.1
3b	THEATER SEATING BY HUSSEY: State the amount to provide and install Hussey seating as specified in Section 126113 "Fixed Audience Seating".	BP-10.1
4	REVISED SCHEDULE: Project Start Date of 9/14/20. Reference section 003113 Schedule.	ALL

END OF SECTION 00 4323

DATE: May 5, 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 14 pages and 52 attachments.

INDEX TO - ADDENDUM NO. 3

Addendum No. 2

- Project Manual Modifications
- Landscape Drawing Modifications
- Architectural Drawing Modifications

APPROVED SUBSTITUTIONS

SECTION	PARAGRAPH	DESCRIPTION	APPROVED MANUFACTURER/ PRODUCT
09 54 26	2.3 A, B & C	Suspended Wood Ceilings	ACGI Linear Systems Open Series 3, L03-325-B
01 25 00		Hydraulic Elevators	AES Advantage Oildraulic Twinpost Above-Ground

PROJECT MANUAL MODIFICATIONS

Section 328000 IRRIGATION

1. DELETE: entire section.

Section 329000 PLANTING

1. REPLACE: entire section.

LANDSCAPE DRAWING MODIFICATIONS

SHEET L2.03 – Plant Schedule & Details

1. DELETE: Hydroseed
2. ADD: Sod Lawn

SHEET L3.00 – Overall Irrigation Plan

1. DELETE: Entire sheet. Permanent irrigation system removed from project scope.

SHEET L3.01 – Enlarged Irrigation Plan

1. DELETE: Entire sheet. Permanent irrigation system removed from project scope.

SHEET L3.02 – Irrigation Schedule & Enlarged Irrigation Plans

1. DELETE: Entire sheet. Permanent irrigation system removed from project scope.

SHEET L3.03 –Irrigation Details

1. DELETE: Entire sheet. Permanent irrigation system removed from project scope.

ARCHITECTURAL DRAWING MODIFICATIONS

SHEET A4.46 – Interior Details - Lobby

1. On Detail 1, 2, 7, and 8, REVISE per attachment A4.46

SHEET A9.12 – Enlarged Stair Plans & Sections – Stair B

1. On Detail 2, 3, 5, 6, 7, 8, and 9, REVISE per attachment A4.46

SHEET A11.01 – Door, HMF & Relite Types

1. On Detail 3, ADD STC50 rating per attachment A11.01

END OF ADDENDUM NO.3

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to work of this Section.

1.2 DESCRIPTION OF WORK

- A. Work includes all materials, equipment and labor necessary for: decompaction, placing topsoil, finish grading, planting of trees, shrubs and ground covers, seeding, protection, guarantee and replacement; and related items necessary to complete the work indicated on the drawings and/or specified.

Note: Prior to bidding the work of this Section, Contractors shall visit the site to generally familiarize themselves with existing conditions, soils, slope, access, and other apparent site conditions.

1.3 QUALITY ASSURANCE

- A. Plant Material: All plant material quality, size and condition as determined by the current edition of American Association of Nurserymen Standard. Plant names shall conform to latest edition of "Standardized Plant Names" as adopted by American Joint Committee of Horticulture Nomenclature.
- B. Fertilizer: Conform to Washington State Department of Agriculture Laws and Federal Specification O-F-241D pertaining to commercial fertilizers.
- C. Soil: Conform to USDA soil textural class.
- D. Seed / Sod: Conform to Washington State Department of Agriculture Rules for Seed Certification.
- E. Compost: Compost to be certified in accordance with the U.S. Compost Council Seal of Testing Assurance (STA) program.

1.4 SUBMITTALS

- A. Plant Materials: All plant material shall be ordered immediately following the award of contract. Contractor responsible for assuring that plants of specified sizes and quantities will, in fact, be as specified at the time of planting. Provide District with copies of purchase orders for all plants delivered to the site.
 - 1. Within 30 days after award of contract, submit documentation that all plant material and seed has been ordered.
- B. Import Topsoil: Submit one-half gallon sample of import topsoil mix for approval by Landscape Architect.
- C. Compost: Submit source and one-half gallon sample of compost amendment for approval by Landscape Architect.
- D. Wood Chip Mulch: Submit source and one-half gallon sample of mulch for approval by Landscape Architect.
- E. Coarse Sand: Submit source and one-half gallon sample for approval by Landscape Architect.

1.5 SOIL TEST REQUIREMENTS

- A. Soil testing to be performed on all topsoil mixes and their components not more than 90 days prior to installation. Provide a second test and soil sample at delivery of material to the site.
- B. Topsoil Analysis: Furnish complete soil analysis on the final mix of full topsoil components and provide a written report by a qualified soil-testing laboratory stating the following:
 - 1. pH
 - 2. C:N Ratio.
 - 3. Percentage of organic matter by weight LOI (loss on ignition), ASTM D 2974 Method D.
 - 4. Gradation of sand, silt and clay content per USDA soil texture classification.
 - 5. Cation exchange capacity.
 - 6. Maximum exchangeable sodium.
 - 7. Maximum electrical conductivity.
 - 8. Sodium absorption ratio.
 - 9. Deleterious material.
 - 10. Mineral and plan-nutrient content of the soil.
- C. Soil Nutrient Analysis:
 - 1. Soil Nutrient Analysis to include levels of the following nutrients: Nitrogen, Phosphorus, Potassium, Calcium, Magnesium, Sulfur, Boron, Chlorine, Cobalt, Copper, Iron, Manganese, Molybdenum, and Zinc.
 - 2. Based upon test results, provide recommendations for soil treatments and soil amendments. State recommendations in weight per 100 sq. ft., or volume per cu. yd. for nitrogen, phosphorus, and potash nutrients, and soil amendments to be added to produce satisfactory soil suitable for healthy, viable plants.
 - 3. Report presence of problem salts, minerals, or heavy metals, including aluminum, arsenic, barium, cadmium, chromium, cobalt, lead, lithium, and vanadium. If such problem materials are present, provide additional recommendations for corrective actions.
 - 4. Analysis of heavy metals and other toxics per WAC 173-340.
 - 5. State suitability of tested soil for plant growth.
- D. Infiltration test/ Hydraulic Conductivity: Provide test results for bio-retention soil mix per ASTM D2434 at 85% compaction per ASTM D 1557.
- E. Compost Analysis: tests to be performed not more than 3 months prior to installation. Provide test results for the following:
 - 1. Organic content by percent of dry weight LOI (loss on ignition), ASTM D 2974 Method D.
 - 2. Moisture content.
 - 3. C:N Ratio.
 - 4. pH.
 - 5. Soluble Salt Concentration.
 - 6. Ammonium nitrogen.
 - 7. Nitrate Nitrogen.
 - 8. Particle size Sieve analysis per USDA soil texture classification.
 - 9. Stability – Carbon Dioxide Evolution Rate.
 - 10. Maturity.
 - 11. Seed Emergence and Seedling Vigor.
 - 12. Bulk density.
 - 13. Nutrient content of N-P-K.

14. Provide verification of manufactured compost satisfying definition of "composted materials" per WAC 173-350 Section 220 and is not derived from Type 4 feedstocks.
15. Provide verification of manufactured compost meeting the US Composting Council's "Seal of Testing Assurance" (STA) program.
16. Analysis of heavy metals and other toxics per WAC 173-340 MTCA.
17. Provide documentation that all stock piled compost remains covered during processing.
18. Provide documentation that compost has been aged minimum of 6 months.

F. Soil-Testing Laboratory Qualifications: An independent or university laboratory, with the experience and capability to conduct the testing indicated. The testing laboratory shall be an approved laboratory through the North American Proficiency Testing Performance Assessment Program (NAPT-PAP) and shall be affiliated with one of the following:

1. National Society of Consulting Soil Scientists (NSCSS).
2. Soil Science Society of America (SSSA).

1.6 PROTECTION OF EXISTING CONDITIONS

A. Protect work, adjacent property, public, and be responsible for any damage or injury arising from this contract due to actions or neglect.

1.7 SCHEDULING

A. Upon commencing work, the General Contractor shall examine the site and protect all trees, shrubs and other areas designated to remain in a manner substantial enough to resist the forces of construction equipment that will be on site.

B. Confine work to areas designated. Do not disturb existing vegetation outside of project limit lines. Protect all trees within project limits not designated to be removed. Repair or replace vegetation damaged as a result of Contractor's operation to satisfaction of District at Contractor's expense.

1. Contractor shall install temporary fencing at locations shown on plans for trees to remain prior to grading.

C. Contractor shall be cognizant of all utility lines and underground obstructions and shall familiarize themselves with all utility, irrigation, mechanical, and electrical plans so that digging/drilling operations do not damage lines. Repair or replacement by original installer shall be made at Contractor's expense for all existing buildings, equipment, underground utilities, irrigation equipment, paving, surfacing, stairs, and/or forms damaged because of Contractor's operations in a manner satisfactory to the District before final payment is made.

D. Protect plants, roots, balls and tips at all times from injury in handling, from sun or drying winds from beginning of digging operations, during transportation and on site until final planting.

E. Provide all necessary safeguards, as approved and/or required by the Landscape Architect, for the protection and health of all planted areas until provisional inspection/acceptance is accomplished.

1.8 QUALITY CONTROL AND REVIEW

A. Notification: The Contractor shall give 48 hours' notice to the Landscape Architect when an inspection is desired.

B. Inspections:

1. Field Subgrades: Subgrade shall be reviewed by Landscape Architect and approved by the District's representative prior to topsoil placement and finish grading.
2. Rough Grades: Landscape Architect will review subgrades prior to placement of topsoil.
3. Rototilling: Landscape Architect will review Contractor's tilling and soil incorporation methods prior to establishment of finish grades.
4. Finish Grades: Landscape Architect will review finish grade prior to any planting or seeding.
5. Plant Material: Landscape Architect will review all plant material at the site prior to installation. Remove unsatisfactory material from site immediately.
6. Plant Locations: Landscape Architect will review and adjust plant locations prior to installation.

1.9 PROVISIONAL REVIEW (Punch List)

- A. Upon substantial completion, the Contractor shall request a provisional inspection. No partial approvals will be given.

1.10 FINAL REVIEW/ACCEPTANCE

- A. The Contractor shall request a final inspection upon satisfactory completion of all punch list items and any other work required under this contract. Acceptance shall be defined as the completion and approval of all landscape punch list items. Acceptance shall establish the start of the guarantee period of work.

1.11 GUARANTEE REPLACEMENT

- A. Plant Material: Guarantee in a healthy, thriving condition all trees and shrubs for one year from date of final acceptance; all ground cover until active, vigorous growth is evident. During the guarantee period, all dead diseased, dying, broken or disappeared plant materials from any cause except those noted below shall be replaced immediately by the Contractor at no additional expense to the District. Use specified plants and plant as specified; guarantee until active, healthy growth is evident.

The Landscape Architect shall determine if a tree or shrub is dead based on the following;

A tree shall be considered dying or dead when the main leader has died back, or a minimum of 25 percent of the crown has died or been damaged. A shrub or groundcover shall be considered dying or dead when a minimum of 25 percent of the plant has died or been damaged.

- B. Seeded Areas: Guarantee a relatively uniform, acceptable stand of grass with no bare spots whatsoever in all lawn areas at time of provisional review (punch list). Reseed with the seed and in the manner originally specified any seeded area which fails to vigorously establish a uniform stand for any reason whatsoever. Fill to finish grade with approved topsoil and seed as specified all seeded areas which evidence settlement or erosion. Repeat all such reseeding until final acceptance at Contractor's expense.
- C. Contractor's Responsibility: During guarantee period, Contractor shall not be responsible for replacing plants destroyed or damaged by vandalism or accidents caused by vehicles other than the Contractor's, or Acts of God, or severe cold as substantiated by 25-year low temperature records (exceeding 25-year low), provided that Contractor

has exercised due care to protect work. Should replacement fall due during non-planting season, contractor may request District's permission to defer planting until proper season. If permission is granted, immediately remove and dispose of dead plants, including all roots. Holes shall be backfilled properly with planting mix and finish graded until proper planting season occur. Plants used for replacement shall be of same kind and size originally planted and they shall be planted as originally specified.

- D. Watering: In non-irrigated areas, provide temporary irrigation and water as required to germinate seed and create a healthy vigorous stand of turf. Contractor's temporary irrigation measures must be enough to water all areas once daily. Water all areas to final acceptance.

PART 2 - PRODUCTS

2.1 SOIL

- A. Import Constructed Topsoil consisting of a well-blended mix of 40% sandy loam topsoil, 40% sand, and 20% compost, free of weeds, sticks, clay clumps or any other material over 2" in diameter. Maximum 20% passing the #200 sieve. Test and amend per soil test requirements.
- B. Certified Test Lab Reports: The certified test lab reports required in this section shall be submitted by the Contractor as early as possible to avoid potential delays in the contract due to sample rejections.
- C. Compost shall meet the following physical and chemical criteria:
 - 1. The material shall be visually free of manufactured inerts such as glass, metal and plastic and shall be less than 1.0-percent by weight as determined by U.S. Composting Council TMECC 03.08-A "Classification of Inerts by Sieve Size," and visually free of identifiable grass or leaf fragments.
 - 2. The material shall be visually free of manufactured inerts such as glass, metal and plastic.
 - 3. No fresh sawdust or other fresh wood by-products shall be added to extend the volume after the composting process.
 - 4. Compost shall be prepared by the controlled decomposition of organic materials. Acceptable feedstocks include, but are not limited to, yard debris, wood waste, land-clearing debris, brush, branches, manure, food residuals, and forest by-products. Type 4 feedstocks are not acceptable.
 - 5. The product shall have a uniform, dark, soil-like appearance and an earthy loam-like odor. No ammonia or putrid smells shall be present.
 - 6. Compost for the approved rates listed above must meet the definition for "composted materials" in WAC Chapter 173-350 Section 220 or manufactured topsoil.
 - 7. Compost must meet the standards of the US Composting Council's "Seal of Testing Assurance" (STA) program.
 - 8. No Class B biosolids shall be included.
 - 9. Compost shall comply with all applicable public health standards and be obtained from a compost facility that holds a solid-waste handling permit from the health department with jurisdiction.
 - 10. Compost must include a minimum of 65-percent by volume "Type 1 Feedstocks" in WAC 173-350. The manufacturer shall provide a list of feedstock sources by percentage in the final compost product.
 - a. Yard waste shall be from a permitted composting facility such as Cedar Grove or approved equal.
 - b. Material derived from aerobic decomposition of recycled plant waste fully composted for a minimum of 6 months between 131 F and 165 F; materials shall have a moisture content such that no visible free water or dust is produced when added after the composting process has begun.

Product Parameters	Specification Range
Sieve Analysis	100% passing through a 3" sieve, 70-100% passing through a 3/4" sieve, 40-60% passing through a 1/4" sieve 6" Max. Particle size
Organic Matter	40-60% of dry weight (LOI)
pH Tested in accordance with U.S. Composting Council TMECC 04.11-A, "1:5 Slurry pH."	5.5-7.5pH Units
C:N Ratio Tested in accordance with U.S. Composting Council TMECC 04.01, "Total Carbon" and 04.02-D "Total Kjeldahl Nitrogen"	12:1-35:1 Carbon to nitrogen ratio
Soluble Salt Concentration Tested in accordance with U.S. Composting TMECC 04.10 "Electrical Conductivity."	< 4 dS/m (mmhos/cm)
Moisture Content	40-60% wet weight basis
Ammonium nitrogen	<500 ppm
Nitrate nitrogen	Report amount ppm
Stability Tested in accordance with U.S. Composting Council TMECC 05.08-B "Carbon Dioxide Evolution Rate."	< 8 Mg CO ₂ -C per g OM per day
Maturity Tested in accordance with U.S. composting Council TMECC 05.05-A, "Germination and Root Elongation." (Seedling Vigor and Emergence)	Minimum 80% relative to positive control
Select Pathogen Salmonella Per WAC 173-350-220 Table B	< 3 MPN per 4 grams of total solids

- D. Sand: Clean, washed, natural or manufactured sand, free of toxic materials.

1. Coarse sand is comprised of the following:

Item	Size in mm	Percentage
Fine Gravel	2.0-3.4 mm	0-10%
Very Coarse Sand	1.0-2.0 mm	
Coarse Sand	0.5-1.0 mm	50-60%
Medium Sand	0.25-0.50 mm	
Fine Sand	0.15-0.25 mm	10-20%
Very Fine Sand	0.05-0.15 mm	0-5%
Silt	0.002-0.05 mm	0-5%
Clay	Less than 0.002 mm	0-3%
Total Fines	Very fine sand + silt + clay	0-10%

2.2 PLANTS

- A. Quantities, species and varieties, size and condition as shown on planting plan and plant list. Plants to be Washington Grade No. 1 and fresh, well foliated, in prime condition when in leaf, exhibiting normal habit of growth, having all buds intact and free of disease, injury, insects, insect eggs, larva, indication of strawberry root weevil, all seeds and weed roots.
- B. All plants shall be from stock which has been acclimated to conditions prevailing at the project and which has been consistently cultivated and grown in these conditions. No cold storage plants; all grafted trees to be grafted at ground level.
- C. Balled and burlapped (B&B) stock to have a natural ball sufficient to insure survival and healthy growth; bare root (BR) materials to have sufficient root system to insure survival and healthy growth.
- D. Substitutions are strongly discouraged. No substitutions shall be made without the written approval of the Landscape Architect. Requests for substitutions must be made at the time that documentation of ordered plant material is provided. The substitution request must be accompanied by written proof from at least five sources (major suppliers of the plant) that any plant is not available.
- E. Plants must be installed no more than 30 days after delivery to site. Provide adequate water by temporary means to keep plants in top condition. Store plants in protected location away from hot sun and strong, drying wind.

2.3 MEADOW SEED MIX

- A. Seed at a minimum rate of 2 lbs/1000 sf., or greater if recommended by manufacturer.

80% Dwarf Perennial
12% Low Growing Wildflower Mix
8% Strawberry Clover

Low Growing Wildflower Mix:

50% Baby Blue Eyes
25% Alyssum
17% Dwarf White Yarrow
8% English Daisy

Source: Direct Seed Sales, (888) 528-9788

- B. Hydromulch: Silva-fiber or approved at minimum rate of 2000 lbs/acre.
- C. Tackifier: Use on all sloped areas steeper than 5:1 at manufacturer's suggested rate.

2.4 SOD LAWN

- A. Sod to be a mixture of 70% Perennial Rye Grass and 30% Fine Fescue. Sod to be sand based with no netting. Submit source, seed mix and verification of no net and sand grown soil for approval. Sod to be JB, Country Green or equal high-quality sod. Big rolls are encouraged if installed by grower or installer experienced with this type of system.
- B. Soil Preparation: Lay fresh sod with tight, staggered joints in a running bond pattern. In sloped areas, lay sod up and down slope. Trim edges adjacent to walks, curbs, etc. for a neat, tight fit. After initial watering has settled out, roll diagonally with 300lb roller. Water deeply again after rolling. Repair any depressions and fill any gaps which develop through the guarantee period.
- C. Requirements for protection, fertilizing repair and ongoing maintenance per paragraph above apply to sodded areas as well.

2.5 FERTILIZERS AND SOIL AMENDMENTS

- A. General: Approved brands conforming to applicable State fertilizer laws. Uniform in composition, dry, free-flowing, delivered to the site in original unopened containers, each bearing the manufacturer's guaranteed analysis. All fertilizers must be EPA approved. Fertilizer needs to be based on results of soil test

B. Trees, Shrubs and Ground Cover:

1. Formula 4.2.2 "Transplanter" as manufactured by Pacific Agro Co., with Hercules Nitroform and W.R. Grace's "Magamp" and trace elements. Apply at rate of:
 - a. Trees: 8 oz.
 - b. Shrubs: 4 oz.
 - c. Ground Cover: 2 oz.

C. Agriform Tablets: Planting tablets, 21-gram size, as manufactured by Agriform International Chemicals, Inc., 20-10-5 analysis. Apply at the rate of:

1. Trees: 4 tablets
2. Shrubs: 2 tablets
3. Ground Cover: 1 tablet

D. Seeded Areas:

1. Installation Fertilizer (Fertilizer 'A'):
 - a. Total available Nitrogen: 16% by weight (of which 50% is derived from controlled release sources including Nutralene.)
 - b. Total available phosphorous: 16% by weight.
 - c. Total available potassium: 16% by weight.

E. Maintenance Fertilizer:

1. Initial Fertilizer (Fertilizer 'B'):
 - a. Total available Nitrogen: 21% by weight (of which 50% is derived from controlled release sources.)
 - b. Total available Phosphorous: 12% by weight.
 - c. Total available Potassium: 12% by weight.
2. Follow-up Fertilizer (Fertilizer 'C'):
 - a. Nitrogen: 19% by weight.
 - b. Phosphorous: 4% by weight.
 - c. Potassium: 16% by weight.

F. Dolomitic Limestone at minimum rate of 50 lbs. per 1,000 square foot. Gypsum to counteract salinity as recommended in report.

G. Other amendments as recommended in report; adjust the basic quantities of the following micronutrients as recommended in the report: iron, manganese, molybdenum, copper, zinc and boron.

H. See also Fertilizer Requirements under Section 3.8 Maintenance.

2.6 STAKES AND GUYS

A. Material as per standard detail.

2.7 WOOD CHIP MULCH

- A. "Arborist Chips", chipped woody material approximately 1 to 3 inches in maximum dimension (not sawdust or coarse hog fuel). Mulch shall not contain appreciable quantities of weeds, garbage, plastic, metal, soil and dimensional lumber or construction/demolition debris.

2.8 SELECTIVE HERBICIDE

- A. Treat all planting beds with a selective pre-emergent herbicide and remove all foreign weeds prior to acceptance.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Clear and grub any areas shown beyond civil clearing limits as needed to install landscape work.
- B. Clearing limits and subgrade shall be reviewed by Landscape Architect and approved by the District's representative prior to topsoil placement and finish grading.

3.2 DECOMPACTION/OVEREXCAVATION

- A. Wherever landscape is proposed over compacted areas that were previously paved, buildings, construction traffic areas, Contractor staging areas or areas otherwise detrimental to plant establishment, the Contractor shall completely remove all remnants of paving, crushed rock, quarry spalls, contaminants or other non-native material as directed by the Landscape Architect. Loosen the soil in these areas to a minimum depth of 12" below subgrade using mechanical means.

3.3 SUBGRADE

- A. Subgrades shall be below finish grade as indicated below to accept required depth of soil and mulch. Prior to placing topsoil, remove all rocks and sticks over 2" diameter. Take care not to damage existing tree and shrub roots.
 - 1. The following amounts of topsoil and mulch shall be applied:
 - a. Lawn / Seeded areas - 8" import topsoil.
 - b. Planting beds - 8" import topsoil, 3" mulch.
- B. Fine grade all planting areas as necessary to complete all planting operations. Establish finish grades in accordance with elevations shown in the drawings, ensuring that no pockets or surface irregularities create obstructions to positive drainage. Ensure positive drainage away from building. Obtain approval of finish grades prior to all seeding or planting.

3.4 TOPSOIL PLACEMENT (GENERAL)

- A. Place 4" of specified import topsoil uniformly over entire planting and seeded areas, and thoroughly roto-till to a depth of 6" to incorporate subsoil with topsoil, paying special attention to thoroughly mix and loosen soil in areas compacted

by construction. Contractor to request review by Landscape Architect of tilling and soil incorporation methods prior to placement of second lift of topsoil.

- B. Place remaining 4" import topsoil over entire rototilled area after review by Landscape Architect.
- C. Rake, float, drag, roll and perform all necessary operations to remove surface irregularities and to provide a firm, smooth surface with positive surface drainage. Remove all rocks, sticks and other debris 2" and larger in planting areas and in lawn areas. Box drag and hand rake all seeded areas.
- D. Finish grade after installation of topsoil and mulch shall be 1/2" below adjacent paved surfaces unless otherwise specified or detailed.

3.5 WOOD CHIP MULCH

- A. Place 3" depth of wood chip mulch in all new planting beds and around existing trees throughout areas shown on plan to remain. Avoid burying trunks of trees. Feather mulch into surrounding new and existing landscape areas.

3.6 INVASIVE REMOVAL

- A. Remove all invasive plant species throughout work area of site. Species include but are not limited to English Ivy, Himalayan Blackberry, English Holly, and Cherry Laurel.
- B. Remove ivy from ground and tree trunks. Avoid damaging trees or existing native understory to remain.
- C. Remove or kill entire plant and root structure of all invasive trees and shrubs.
- D. Continue removal throughout extended maintenance period.

3.7 PERFORMANCE

- A. Planting and Plant Relocation Time: Plant trees, shrubs, groundcover and lawn during periods which are normal for such work, as determined by season, weather conditions, and accepted practice. At the option and on the full responsibility of the subcontractor, planting operations may be conducted under unseasonable conditions without additional compensation.
- B. Plant Locations: After placement of topsoil, stake tree locations and position shrubs above ground as per drawings for approval of Landscape Architect. Make field adjustments to avoid obstructions to planting. Landscape Architect reserves the right to field adjust plant locations prior to planting.
- C. Planting Trees: Excavate tree pits 6" deeper and twice the diameter of the root ball. Excavated soil shall be removed from the site. Thoroughly scarify bottom of pits by shovel cutting to a depth of 12". Sides of pits shall also be shovel cut to help root penetration. Establish a firm mound to position the top of the root ball flush with finish grade of mulch layer.
- D. Place tree in upright position in center of pit, release root covering or spread roots. If wire cages are present, remove completely and dispose from site. Roots of trees shall be so placed as to have a natural spread and distribution and planting mix shall be carefully, thoroughly packed and puddled around them. Take care not to injure root system while backfilling and compacting. After water settles, fill again with planting mix and water compact to a grade of not more

than 1/2" higher than the original ball. In seeded areas, finish grade smooth with surrounding area. Provide 3' diameter, 3" depth mulched circle around all trees in seeded areas.

1. Fertilize trees at the soils test recommended rate applied uniformly around circumference of root spread under a cover of 2" of planting mix. Apply Agriform tablets and soil polymers per manufacturer's recommendations. Stake and guy trees immediately after planting as detailed. All supports and trees shall stand vertical.
- E. Planting Shrubs and Ground Covers: After topsoil placement and approval of finish grade, excavate planting pockets at locations shown on drawings and as directed to a diameter of twice the root spread and to a depth that will ensure a 3-inch cushion of compacted planting mix below the root ball. Dispose of excavated soil on site as directed.
1. Set plants upright in center of hole flush with finish grade, release root covering or spread roots. The roots of the plant shall be placed as to have a natural spread and distribution. Backfill with planting mix and provide slight depression as watering saucer. Care shall be taken not to injure the root system while backfilling and compacting the planting mix.
 2. Fertilize at the specified rate applied uniformly around the circumference of the root spread under a cover of 2" of planting mix. Apply Agriform tablets and soil polymers per manufacturer's recommendations. Plant ground cover plants at spacing indicated in straight, evenly spaced rows.
- F. Pit plant trees and shrubs in areas outside of clearing limits as shown on plans. Avoid disturbance to existing native vegetation to remain. Mulch all exposed soil to minimum 3" depth.
- G. Seed Bed Preparations: Apply Installation Fertilizer 'A' and dolomite limestone at the soils test recommended rate. Add other fertilizers as recommended in soils report. Rake to incorporate. Finish surfaces by raking smooth and even; lightly compact with roller. Level out surface undulations and irregularities to tolerances specified in Section 02200 and compact again as necessary.
- H. Lawn Seeding: After approval of finish grade, seed at the rate specified. Seed all areas using hydro-seeder and hydro-mulch at rate specified under Hydro-mulch Section.
- I. Timing: Seed only from March 15 to October 15, or as approved by District's representative. All seeding must be complete prior to project substantial completion date.
- J. Protection: Protect against harm from wind, storm water and trespassing. Treat and reseed damaged portions as required. Reseed as many times as necessary to achieve Guaranteed Replacement. Post signage indicating new seeding as necessary to prevent trespassing. Provide temporary orange construction fencing around seeded areas, until grass has become fully established as determined by the Landscape Architect.
- K. Initial Maintenance Fertilization (Fertilization 'B'): Apply fertilizer at the rate of 2-1/2 lbs. per 1,000 square feet after the first mowing. Apply once each week through the third mowing, minimum three applications.
- L. Follow-up Maintenance Fertilization (Fertilizer 'C'): Apply fertilizer at the rate of 8 lbs. per 1,000 square feet on week after the last application of Fertilizer 'B'.
- M. Reseeding: In areas which were seeded after October 15th, reseed and re-fertilize all areas where coverage is weak or sparse, as directed in the spring of the following year, and repair any settlement and/or erosion channels.
- N. Ongoing Maintenance: Contractor shall continue to maintain turf areas and weed the entire site until 60 days from substantial completion. See additional requirements under Section 3.8 Maintenance.

- O. Mulching: Immediately after completion of all planting, mulch all new planted areas to a minimum compacted depth of 3". Refer to site details for proper relationship of finished grade to adjacent paved areas, 1/2" below curbs/walks unless indicated otherwise. Mulch around existing trees and any areas of exposed soil outside of clearing limits.
- P. Pruning, Repair and Weeding: Upon completion of the work under this contract, all existing and new trees and shrubs shall be pruned as directed by Landscape Architect to control size, remove dead or damaged branching or to correct overall form.
 - 1. Pruning shall be done in such a manner as not to change the natural habit or shape of the plant. All cuts shall be made flush, leaving no stubs. On all cuts over 3/4" in diameter and bruises or scars on the bark, the injured cambium shall be traced back to living tissue and removed. Wounds shall be smoothed and shaped so as not to retain water, and the treated area shall be coated with approved tree wound compound

3.8 MAINTENANCE

- A. It shall be the Contractor's responsibility to continuously and vigorously maintain all the landscaped areas of this contract from time of installation until Final Acceptance as defined above. Contractor to continue to maintain completed phases of work by continually weeding and watering on a weekly basis. Apply fertilizer at start of spring, summer and fall seasons throughout project duration. Apply additional mulch by topping off where necessary to ensure all areas have 3" bark mulch at end of maintenance period. Sweep pavement clean and remove dead plants as directed by the Landscape Architect, who shall record plants removed. All plants shall be watered by thorough sprinkling as needed to keep the ground moist, the plants healthy and to prevent wilting. Care shall be exercised to prevent soil erosion.
- B. Provide temporary irrigation as needed to all areas at least once daily. Watering methods shall be designed to minimize overspray on to paved surfaces or established landscape areas. Design of temporary irrigation shall be subject to approval by Landscape Architect.
- C. Seeded Areas: Maintain by watering, continuous weeding, reseeding, fertilizing, herbicide treatment, rolling and top dressing, and other necessary operations to establish and maintain an even, dark green, deep rooted, thick and vigorous stand of grass.
 - 1. Replace any seeded areas which fail to show vigorous growth. Fill and seed all areas which settle, as specified. At the end of the maintenance period and prior to acceptance, the seeded areas shall be a flourishing, dense, vigorous, uniform, deeply rooted thick stand of specified grass with no bare spots and no weeds whatsoever.
 - 2. There shall be no foot or vehicle traffic on the seeded area whatsoever. Install a temporary 6' height chain link fence around all lawn areas until fully established. Maintain barriers around seeded areas until established, then remove from site. Ensure safety to public throughout duration of use.
 - 3. Trees: Maintain in a vigorous, thriving condition by watering, pruning, cultivating, fertilizing, spraying, and other necessary operations. Spraying shall be done only as required and as approved by the Landscape Architect. Plants will not be accepted until active growth is evident. All tree supports, guys, tree wrap, etc., shall be kept intact and adjusted as required and effect in maintaining firm support throughout the guarantee period.
 - 4. Clean-up: A general clean-up shall be made immediately after and as part of all work done in the area. The clean-up shall include the entire area under this contract. Adjacent areas shall be cleaned to the extent that the work done under the contract may scatter litter. Such clean-up shall include pick-up and removal from the contract area of all clippings, trimmings, leaves, and all other litter and debris originating from any source whatsoever. Remove flag labels from all plant material.

END OF SECTION 329000

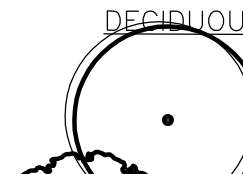
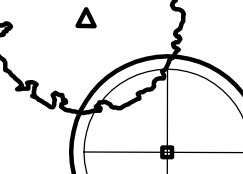
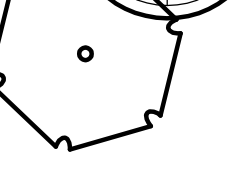
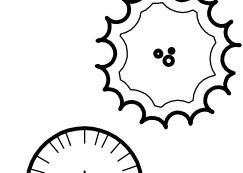
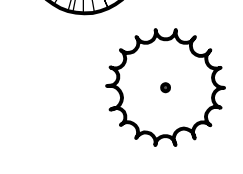
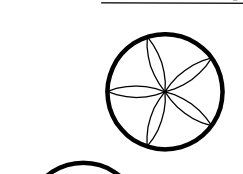

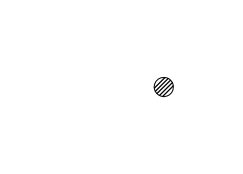
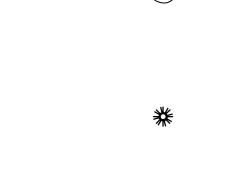
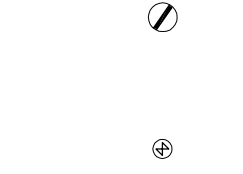
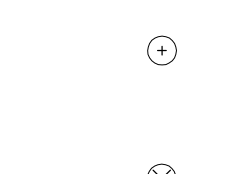


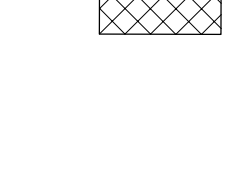
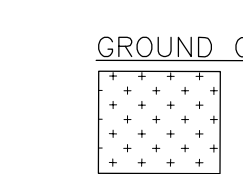
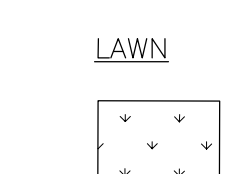
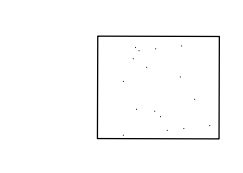

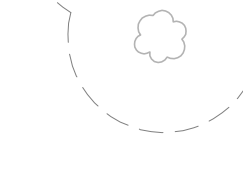





PARKING LOT LANDSCAPE CALCULATIONS SUMMARY

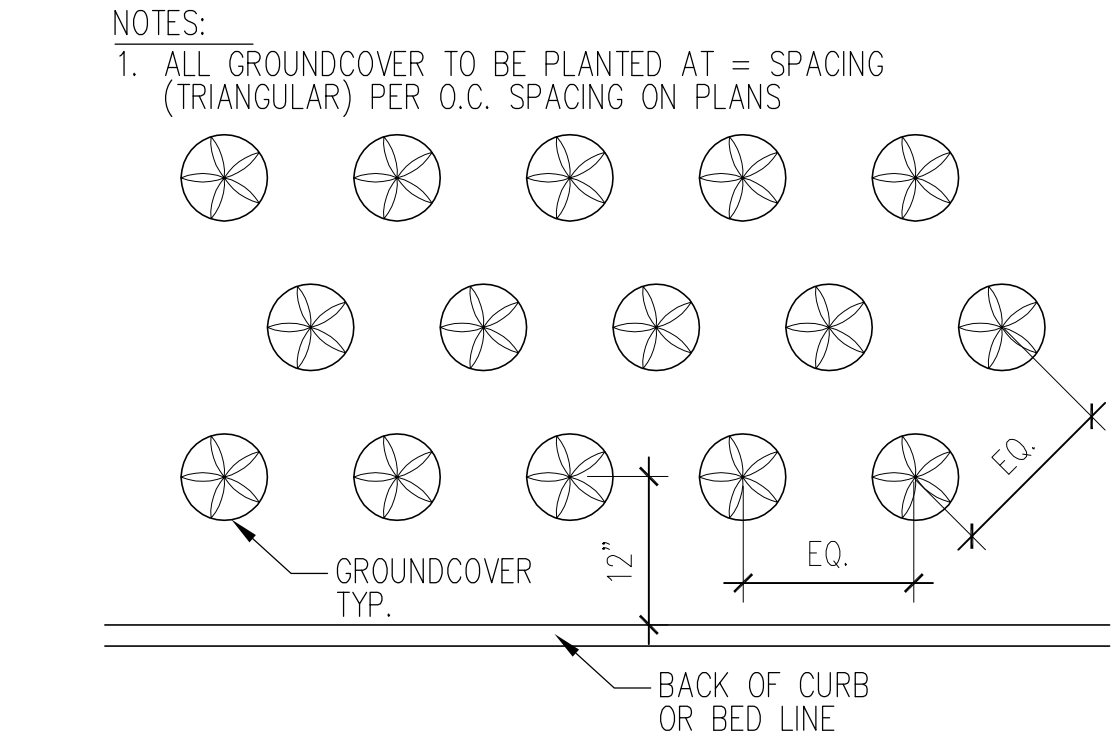
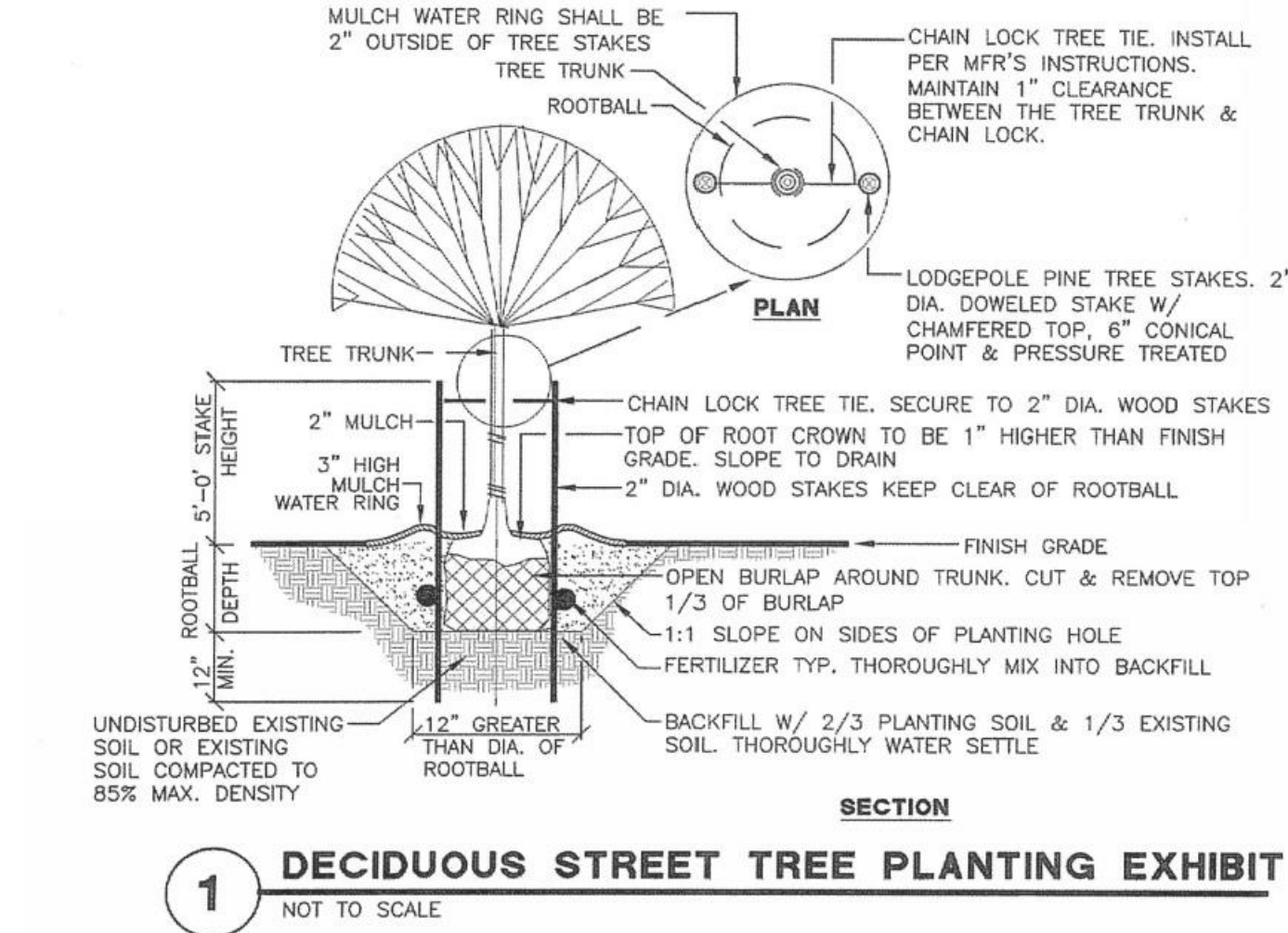
	REQUIREMENT	PROVIDED
1) NORTH PARKING LOTS (119 PROPOSED/ALTERED PARKING STALLS):	25 SF / STALL (25 X 119 STALLS = 2,975 SF)	32 SF / STALL (3,855 SF)
NEW PARKING LOT TREES	1 TREE / 5 STALL (119 STALLS / 5 = 24 TREES)	24 TREES
NEW PARKING LOT TREE SPECIES	70% MIN. DECIDUOUS (24 TREES X 0.7 = 17 DECIDUOUS)	79% DECIDUOUS 19 DECIDUOUS
2) SOUTH PARKING LOT (24 PROPOSED/ALTERED PARKING STALLS):	25 SF / STALL (25 X 24 STALLS = 600 SF)	42 SF / STALL (1,015 SF)
NEW SURFACE PARKING LOTS (119 PROPOSED PARKING STALLS)	1 TREE / 5 STALL (24 STALLS / 5 = 5 TREES)	5 TREES
NEW PARKING LOT TREE SPECIES	70% MIN. DECIDUOUS (5 TREES X 0.7 = 5 DECIDUOUS)	100% DECIDUOUS 5 DECIDUOUS

GENERAL PLANTING NOTES

- ALL PLANT MATERIALS SHALL BE ADAPTABLE TO THE SITE CONDITIONS AND SHALL MEET THE MOST RECENT AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1).
- A TOTAL OF 8 IN. DEPTH OF SPECIFIED TOPSOIL RICH IN ORGANIC MATERIAL SHALL BE INSTALLED IN ALL NEW LANDSCAPE AREAS.
- A TOTAL OF 3 IN. DEPTH OF SPECIFIED MULCH SHALL BE INSTALLED IN ALL NEW TREE, SHRUB AND GROUNDCOVER AREAS.
- ALL LANDSCAPE AREAS SHALL HAVE ADEQUATE DRAINAGE.
- ALL TREE STAKES MUST BE REMOVED BY THE CONTRACTOR BY THE END OF THE FIRST FULL GROWING SEASON.
- REFER TO CITY OF KENMORE STANDARD PLANTING DETAIL FOR STREET TREES AS SHOWN.
- REFER TO KENMORE MUNICIPAL CODE CHAPTER 18.35 FOR MORE INFORMATION ON LANDSCAPE DEVELOPMENT STANDARDS.

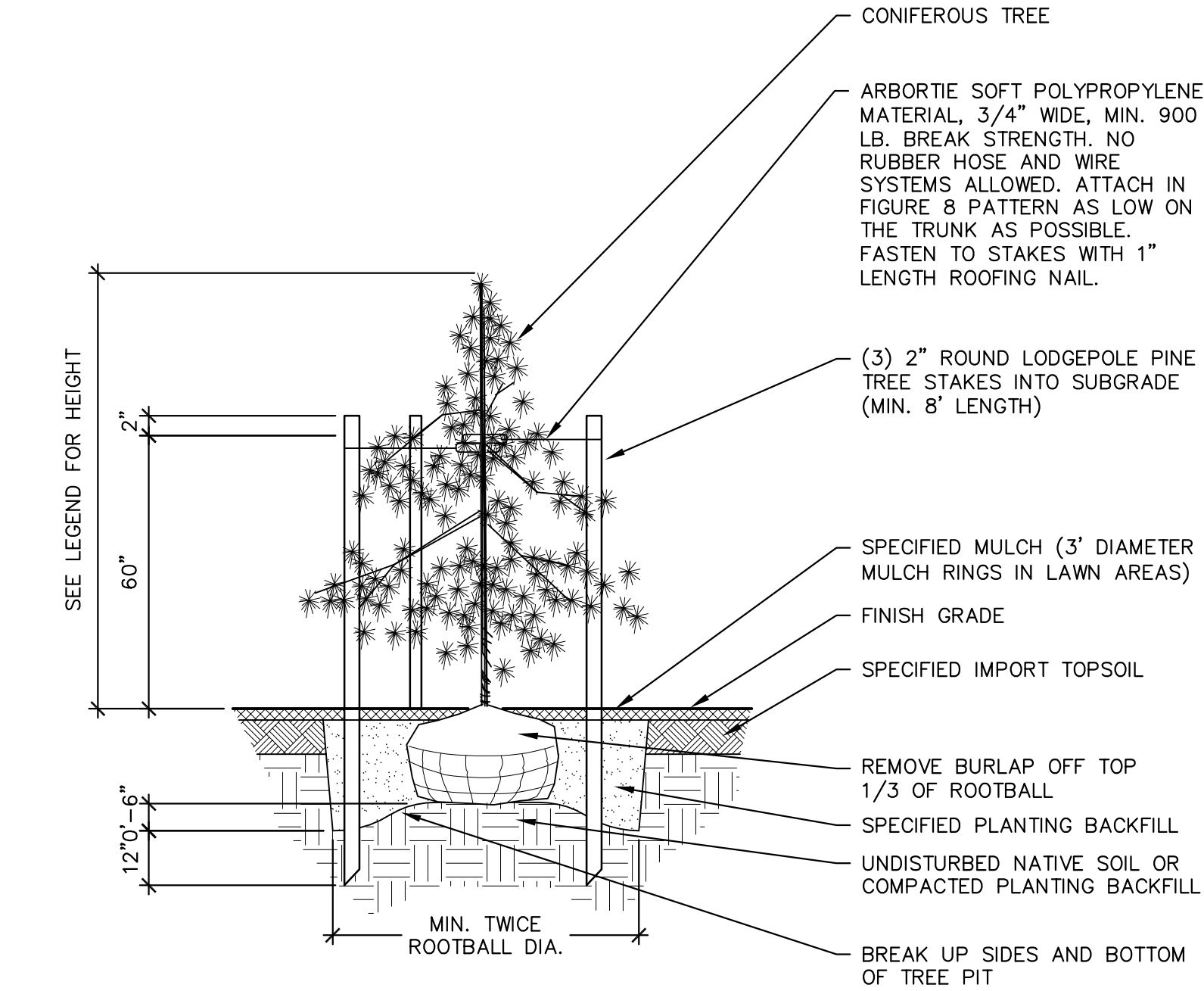
PLANT SCHEDULE

DECIDUOUS TREES	BOTANICAL / COMMON NAME	SIZE	CONDITION/REMARKS	QTY
	ACER SACCHARUM SUGAR MAPLE	MIN. 2" CAL., 10'-12' MIN. HT.	MATCHED, B&B., WELL BRANCHED	4
	CERCIDIPHYLLUM JAPONICUM KATSURA TREE	MIN. 2" CAL., 10'-12' MIN. HT.	MATCHED, B&B., WELL BRANCHED	12
	GINKGO BILOBA 'AUTUMN GOLD' TM MAIDENHAIR TREE	MIN. 2" CAL., 10'-12' MIN. HT.	MATCHED, B&B., WELL BRANCHED	26
	LIQUIDAMBAR STYRACIFLUA 'ROTUNDILOBA' ROUND-LOBED SWEET GUM	MIN. 2" CAL., 10'-12' MIN. HT.	MATCHED, B&B., WELL BRANCHED	3
EVERGREEN TREES	BOTANICAL / COMMON NAME	SIZE	CONDITION/REMARKS	QTY
	ABIES PINGAPO SPANISH FIR	MIN. 7'-8' HT.	FULL AND BUSHY TO BASE, B&B OR CONT.	5
	PSEUDOTSUGA MENZIESII DOUGLAS FIR	MIN. 7'-8' HT.	FULL AND BUSHY TO BASE, B&B OR CONT.	5
	THUJA PLICATA WESTERN RED CEDAR	MIN. 7'-8' HT.	FULL AND BUSHY TO BASE, B&B OR CONT.	5
SMALL ACCENT TREES	BOTANICAL / COMMON NAME	SIZE	CONDITION/REMARKS	QTY
	ACER SHIRASAWANUM 'AUREUM' GOLDEN FULLMOON MAPLE	MULTI-STEMMED, (3) MIN. 3/4" CAL., 8'-10' MIN. HT.	MATCHED, B&B., WELL BRANCHED	1
	CORNUS FLORIDA 'EDDIES WHITE WONDER' FLOWERING DOGWOOD	MIN. 2" CAL., 10'-12' MIN. HT.	MATCHED, B&B., WELL BRANCHED	2
SHRUBS	BOTANICAL / COMMON NAME	SIZE	CONDITION/REMARKS	QTY
	CORNUS STOLONIFERA 'ARCTIC FIRE' ARCTIC FIRE DOGWOOD	MIN. 5 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN	36
	HELLEBORUS ARGUTIFOLIUS CORSIKAN HELLEBORE	MIN. 2 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN	12
	HYDRANGEA QUERCIFOLIA 'PEE WEE' OAKLEAF HYDRANGEA	MIN. 5 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN	16
	POLYSTICHUM MUNITUM WESTERN SWORD FERN	MIN. 2 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN	112
	PRUNUS LAUROCARASUS 'ZABELIANA' ZABEL LAUREL	MIN. 5 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN	91
	SPIRAEA BETULIFOLIA 'TOR' BIRCHLEAF SPIREA	MIN. 2 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN	201
	TAXUS BACCATA 'REPANDENS' SPREADING ENGLISH YEW	MIN. 2 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN	44
	VACCINIUM OVATUM EVERGREEN HUCKLEBERRY	MIN. 5 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN	39
	VIBURNUM DAVIDII DAVID VIBURNUM	MIN. 2 GAL. CONTAINER	FULL & BUSHY, SPACING AS SHOWN ON PLAN	11
	VIBURNUM PLICATUM TOMENTOSUM DOUBLEFILE VIBURNUM	MIN. 3-4' HT.	FULL & BUSHY, SPACING AS SHOWN ON PLAN	3
GROUND COVERS	BOTANICAL / COMMON NAME	SIZE	CONDITION/REMARKS	QTY
	NATIVE GROUNDCOVER MIX			8,580 SF
	25% MAHONIA NERVOSA LOW OREGON GRAPE	MIN. 1 GAL. CONTAINER	24" O.C. TRIANG. SPAC., START FIRST ROW 12" FROM EDGE, FULL & BUSHY	558
	25% POLYSTICHUM MUNITUM WESTERN SWORD FERN	MIN. 2 GAL. CONTAINER	24" O.C. TRIANG. SPAC., START FIRST ROW 12" FROM EDGE, FULL & BUSHY	558
	50% GAULTHERIA SHALLON SALAL	MIN. 1 GAL. CONTAINER	24" O.C. TRIANG. SPAC., START FIRST ROW 12" FROM EDGE, FULL & BUSHY	1,115
GROUND COVER AREAS	BOTANICAL / COMMON NAME	SIZE	CONDITION/REMARKS	QTY
	MAHONIA REPENS CREEPING MAHONIA	MIN. 2 GAL. CONTAINER	18" O.C. TRIANG. SPAC., START FIRST ROW 12" FROM EDGE, FULL & BUSHY	1,404
LAWN	BOTANICAL / COMMON NAME	SIZE	CONDITION/REMARKS	QTY
	MEADOW SEED MIX	HYDROSEED	SEE SPECIFICATIONS FOR SEED MIX AND APPLICATION	6,993 SF
	SOD LAWN	N/A	SEE SPECIFICATIONS	24,308 SF
OTHER				
	EXISTING TREES TO REMAIN, SAVE AND PROTECT.	SEE SECTION 01 56 39 AND REFER TO CIVIL PLANS		



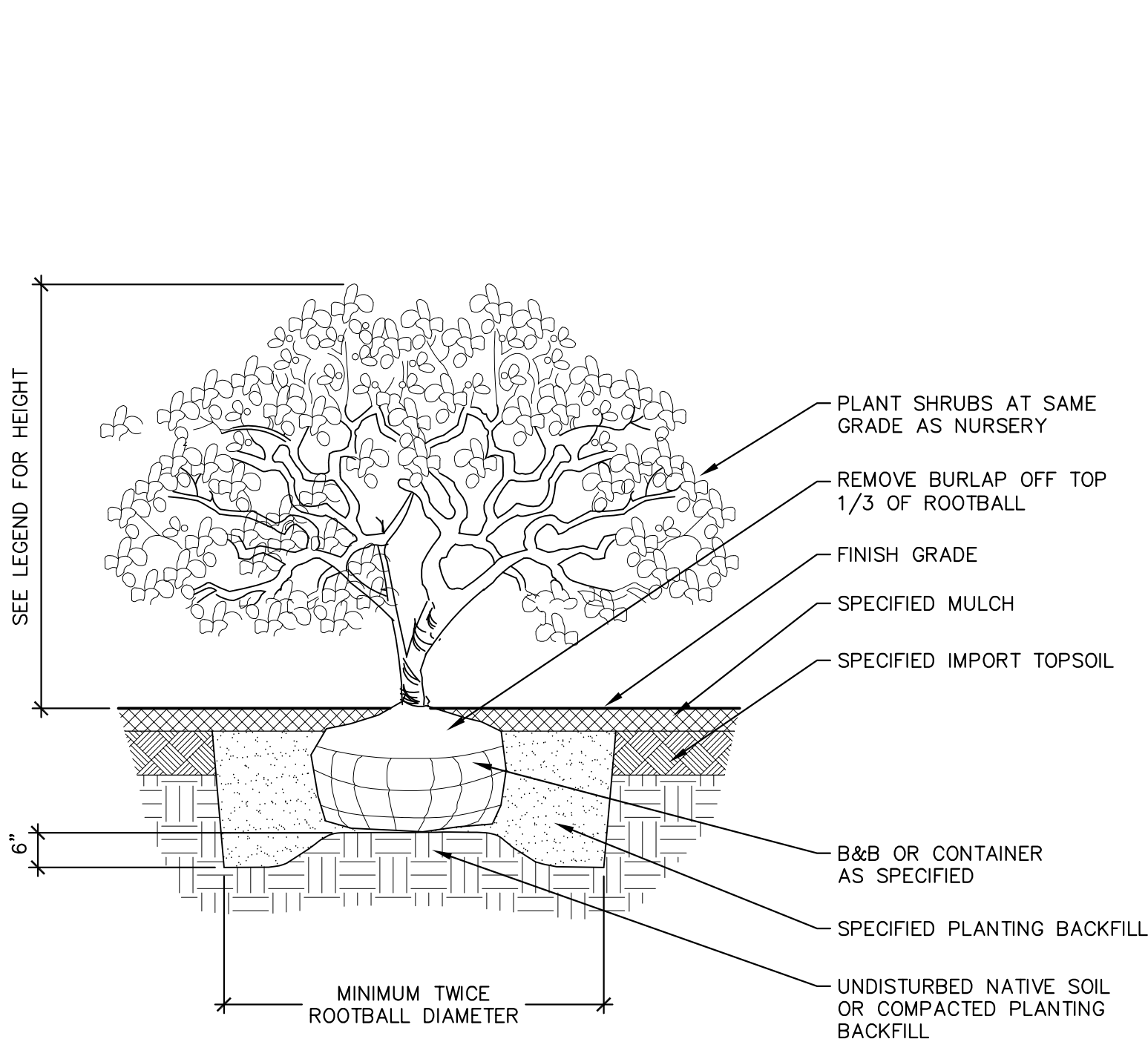
2 GROUND COVER PLANTING

Scale: NTS



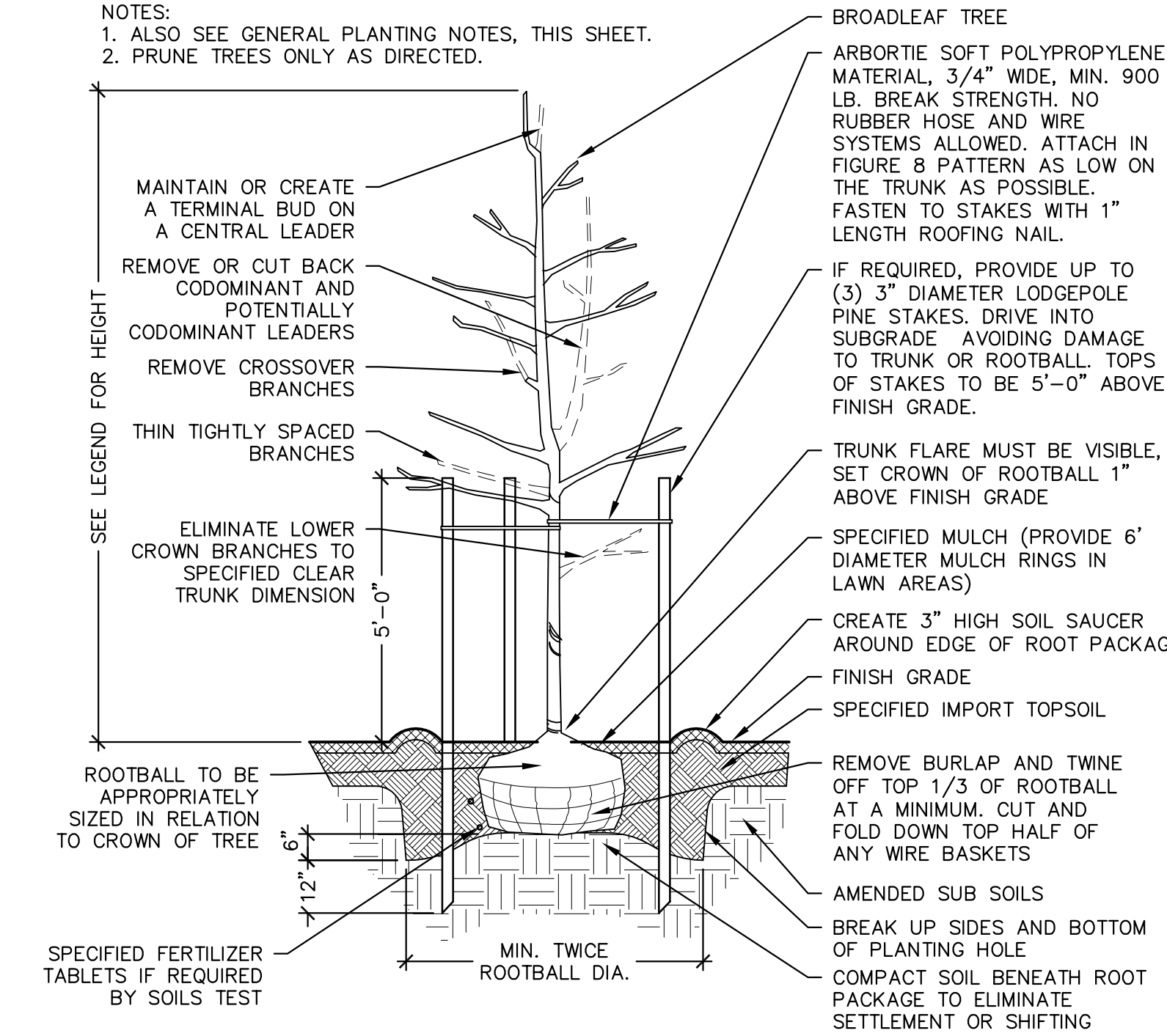
3 CONIFEROUS TREE PLANTING

Scale: 3/8\"=1'-0\"



4 SHRUB / GROUND COVER PLANTING

Scale: 1 1/2\"=1'-0\"



5 DECIDUOUS TREE PLANTING

Scale: 3/8\"=1'-0\"

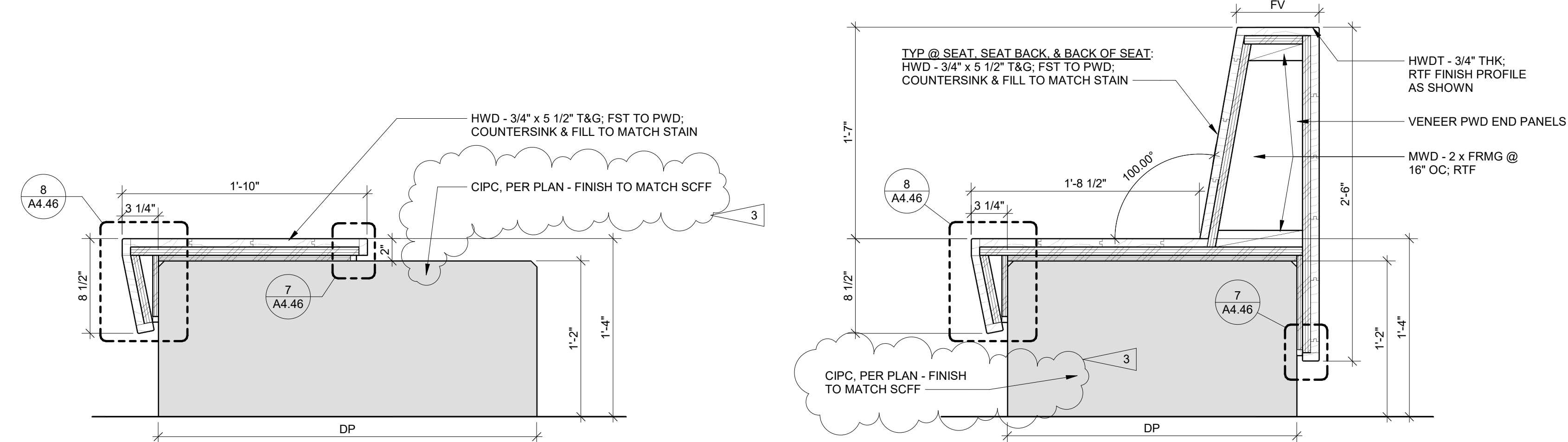


Inglemoor
High School
Concert Hall
+ Music
Building

15500 Simmonds Rd NE
Kenmore, WA 98028

NORTHSHORE SCHOOL
DISTRICT No. 417

02.13.2019	SCHEMATIC DESIGN
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04.13.2020	BID DOCUMENTS
04.29.2020	ADDENDUM NO. 2
05.05.2020	ADDENDUM NO. 3

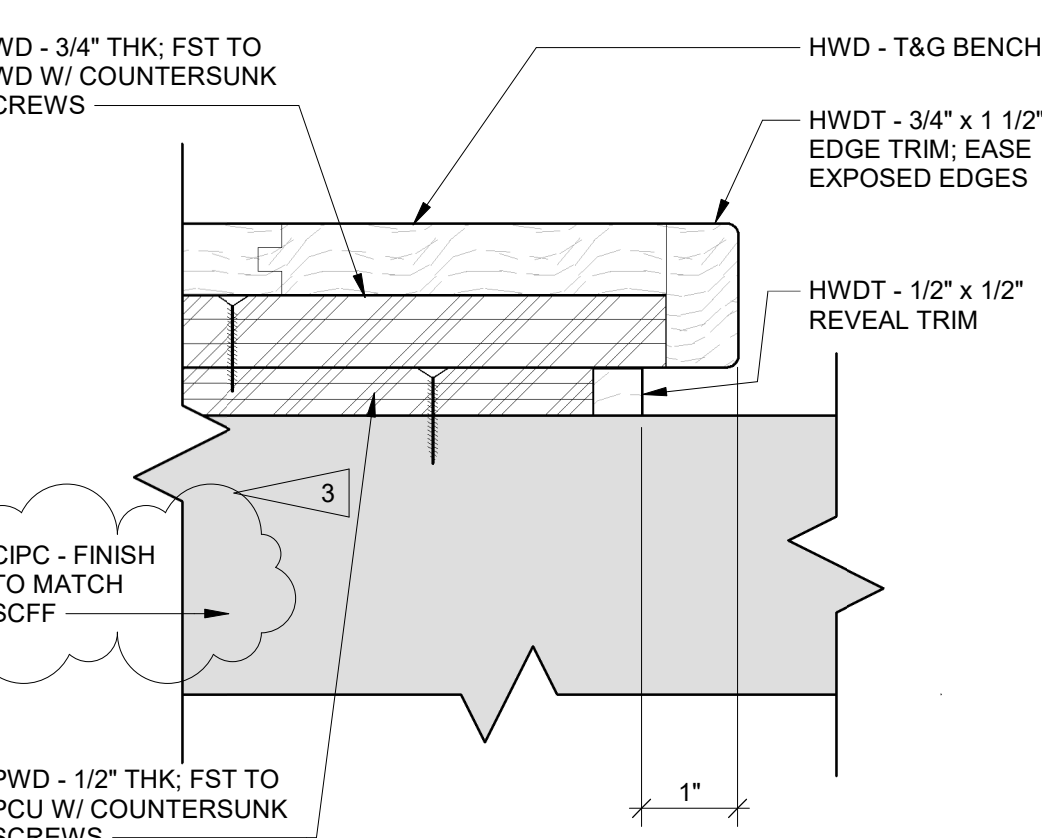


SECTION @ SOUTH BENCH

SCALE: 1 1/2" = 1'-0"

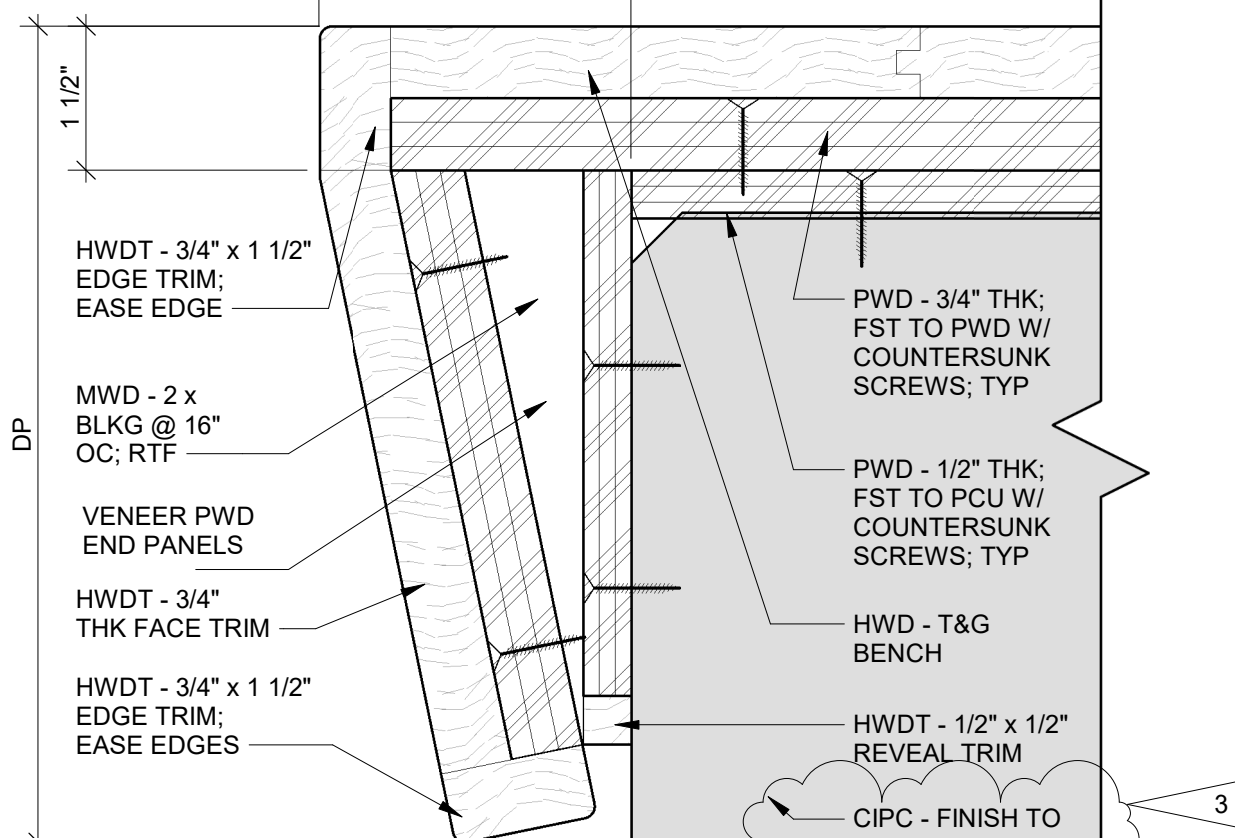
SECTION @ NORTH BENCH

SCALE: 1 1/2" = 1'-0"



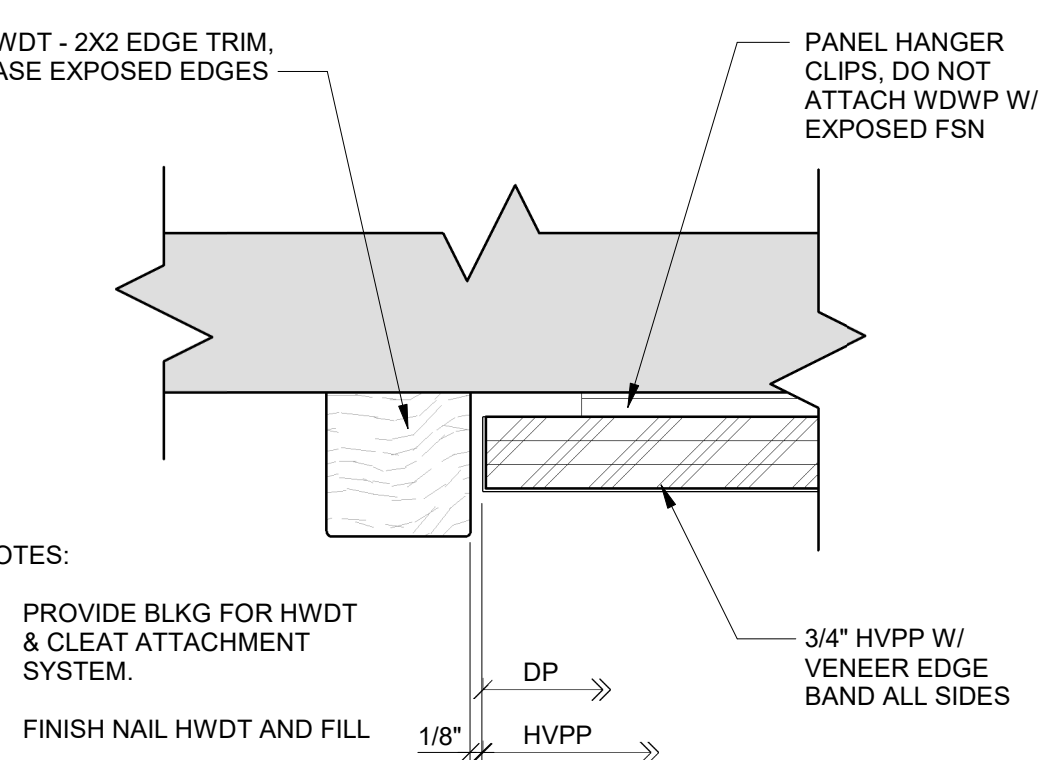
DETAIL - TYP BENCH EDGE

SCALE: 6" = 1'-0"



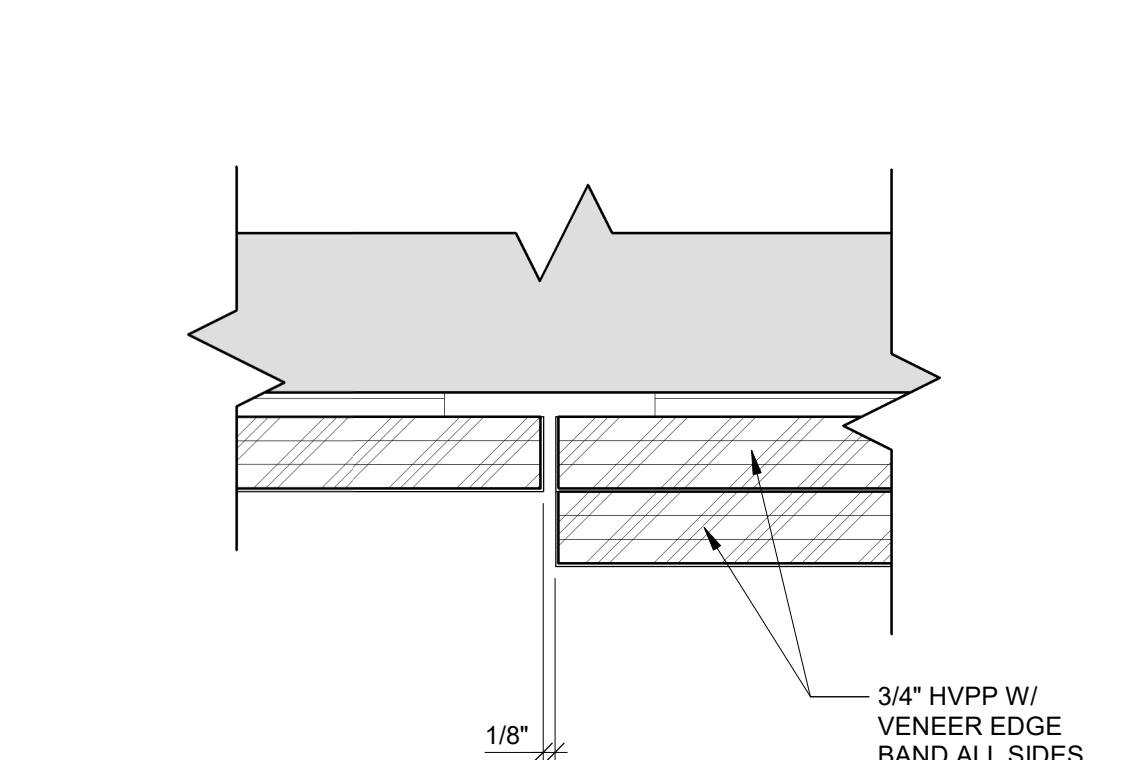
DETAIL - TYP BENCH FRONT EDGE

SCALE: 6" = 1'-0"



HVPP @ END

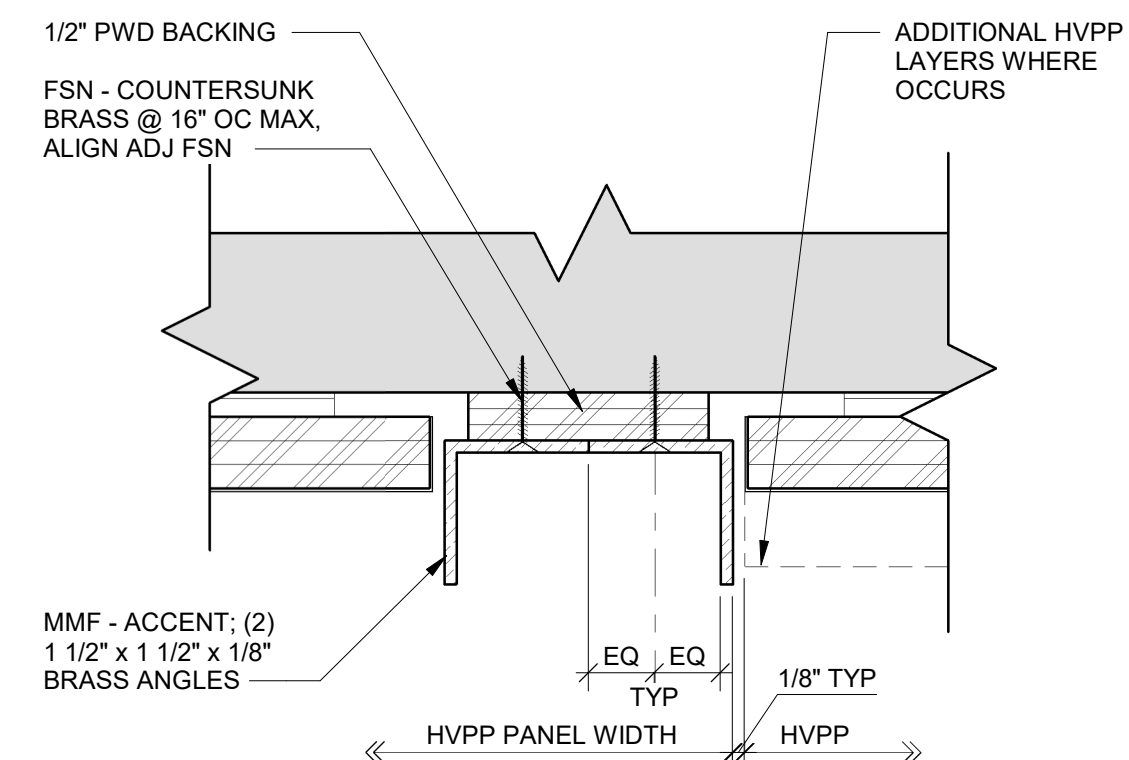
PLAN



HVPP @ VERTICAL JOINT

PLAN

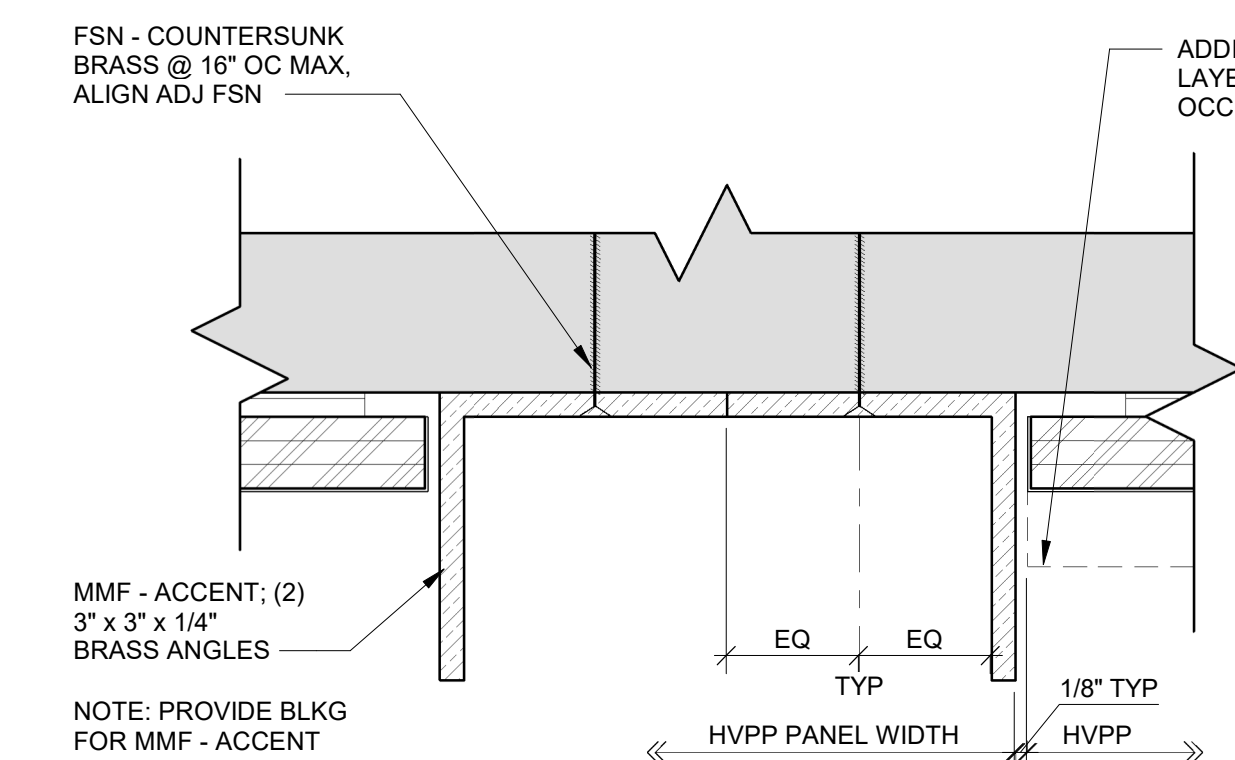
SEE ALSO: 19A/ A4.46



HVPP @ 3" CHANNEL JOINT

PLAN

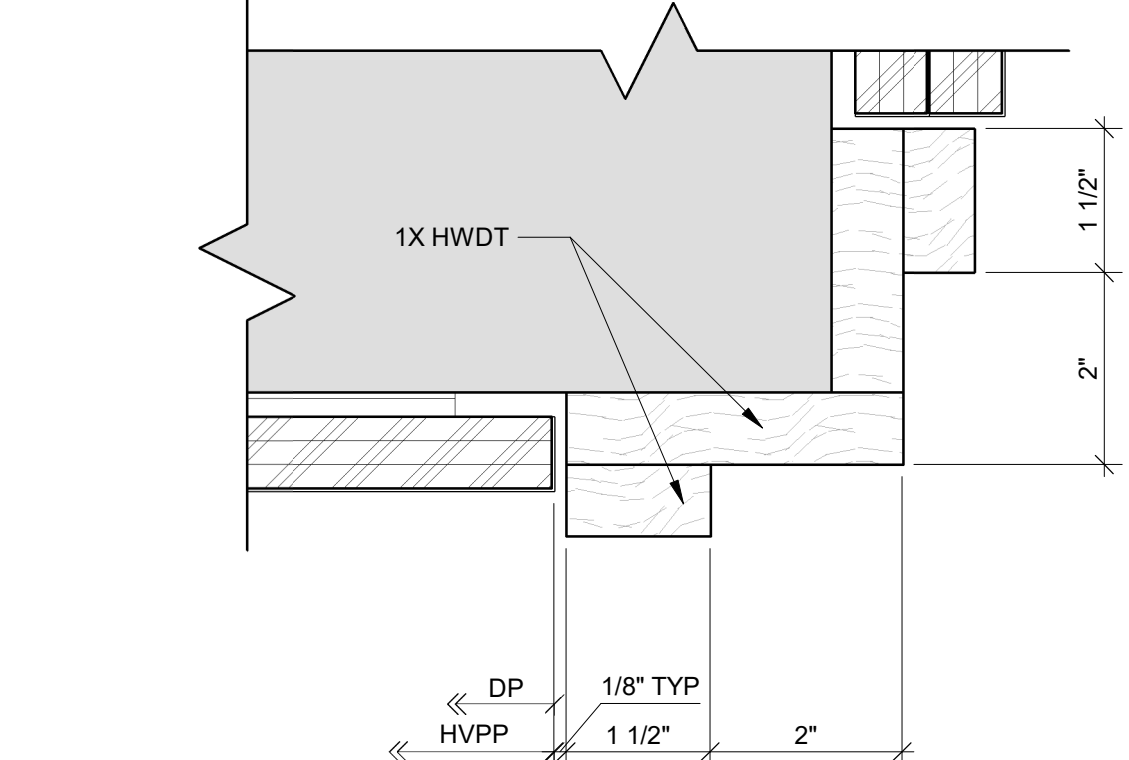
SEE ALSO: 19A/ A4.46



HVPP @ 6" CHANNEL JOINT

PLAN

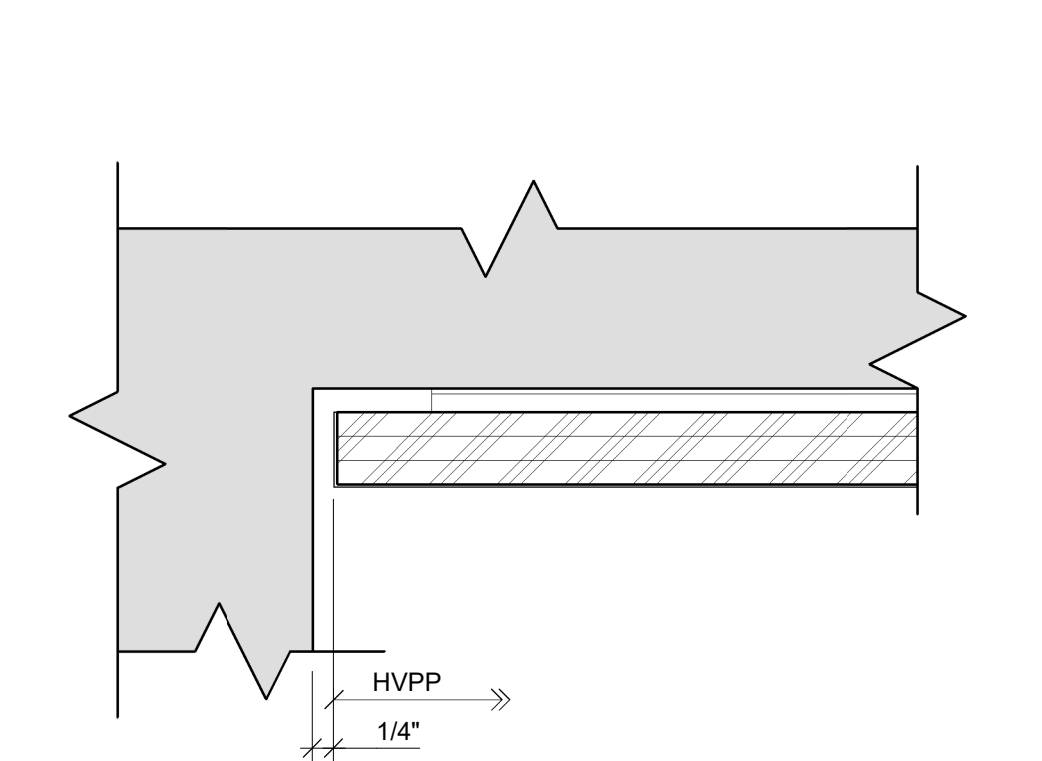
SEE ALSO: 19A/ A4.46



HVPP @ OUTSIDE CORNER

PLAN

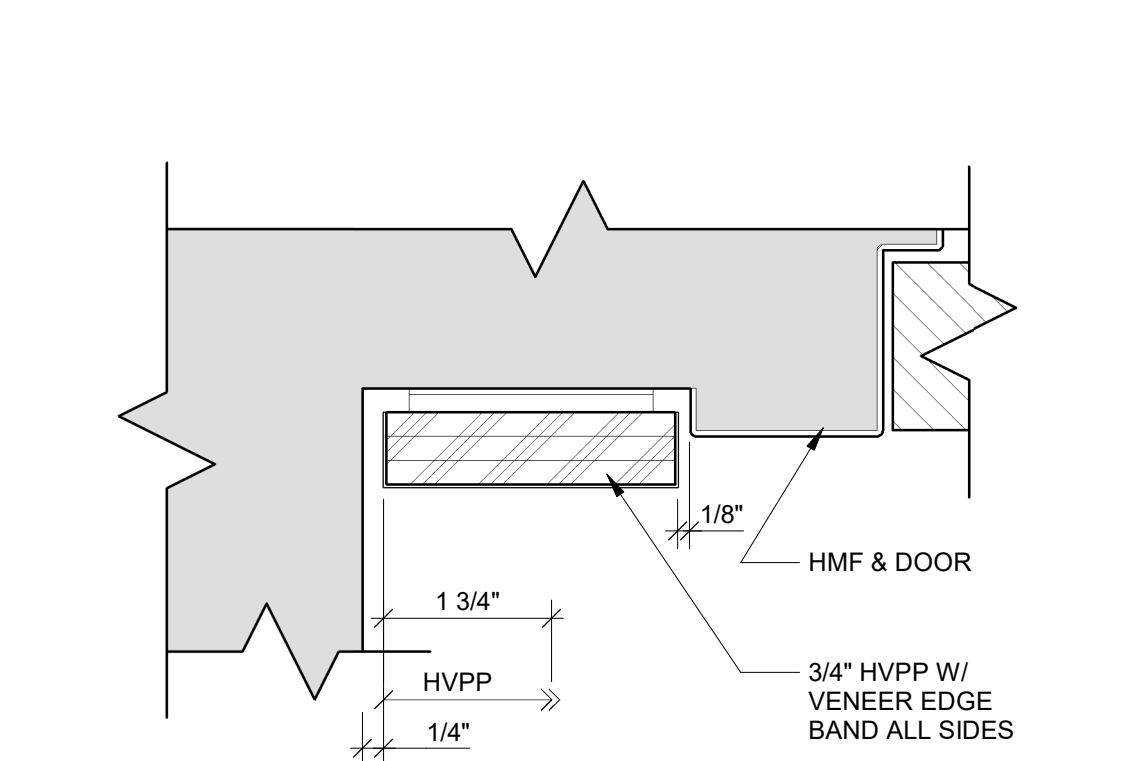
SEE ALSO: 19A/ A4.46



HVPP @ INSIDE CORNER

PLAN

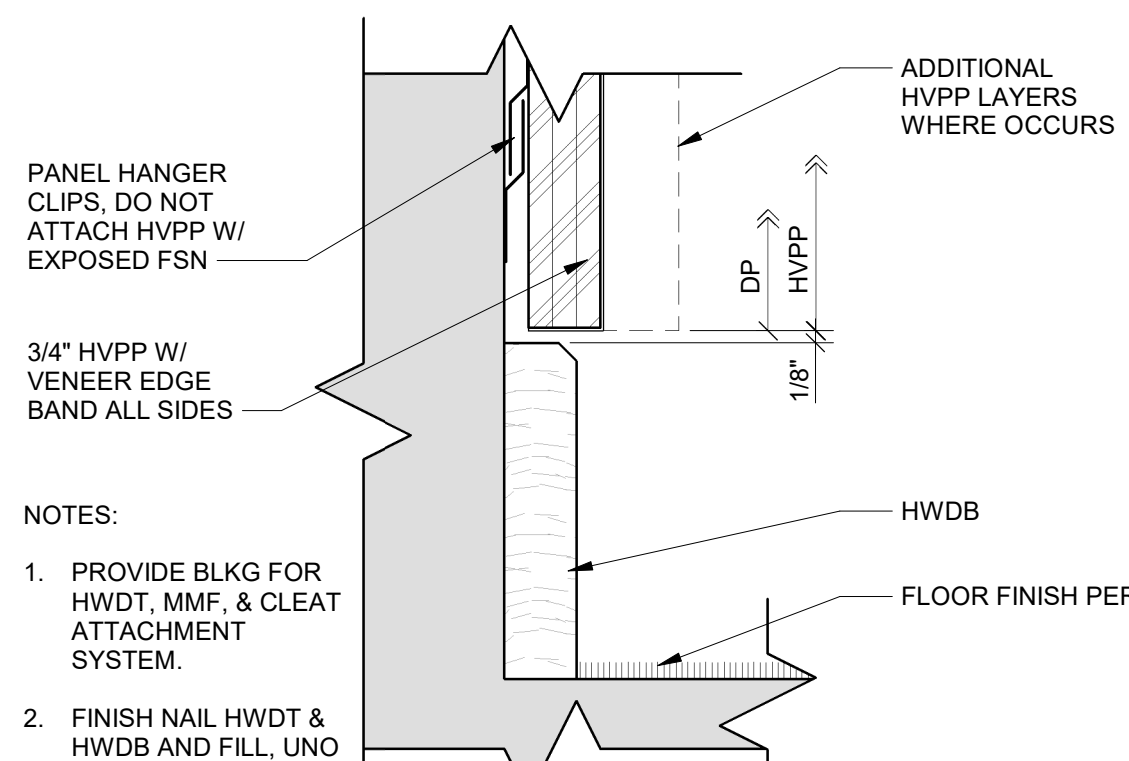
SEE ALSO: 19A/ A4.46



HVPP @ DOOR/CORNER

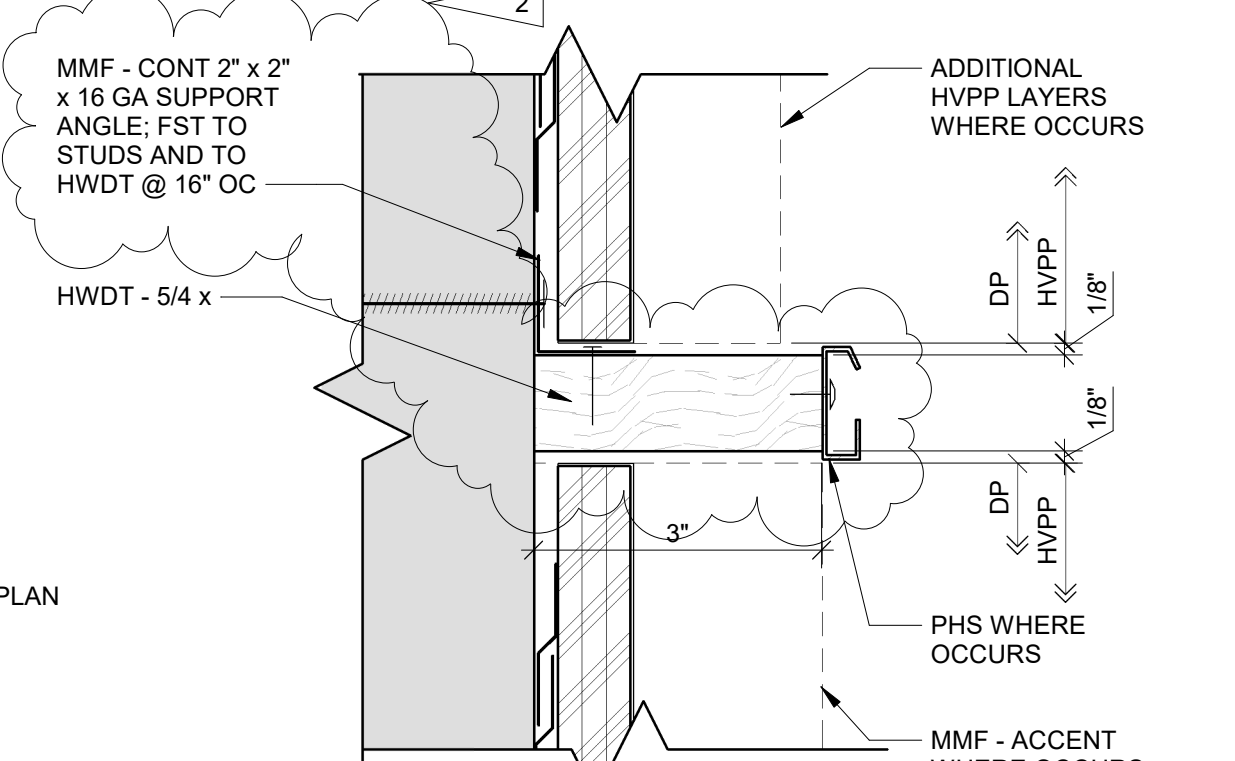
PLAN

SEE ALSO: 19A/ A4.46



HVPP @ BASE

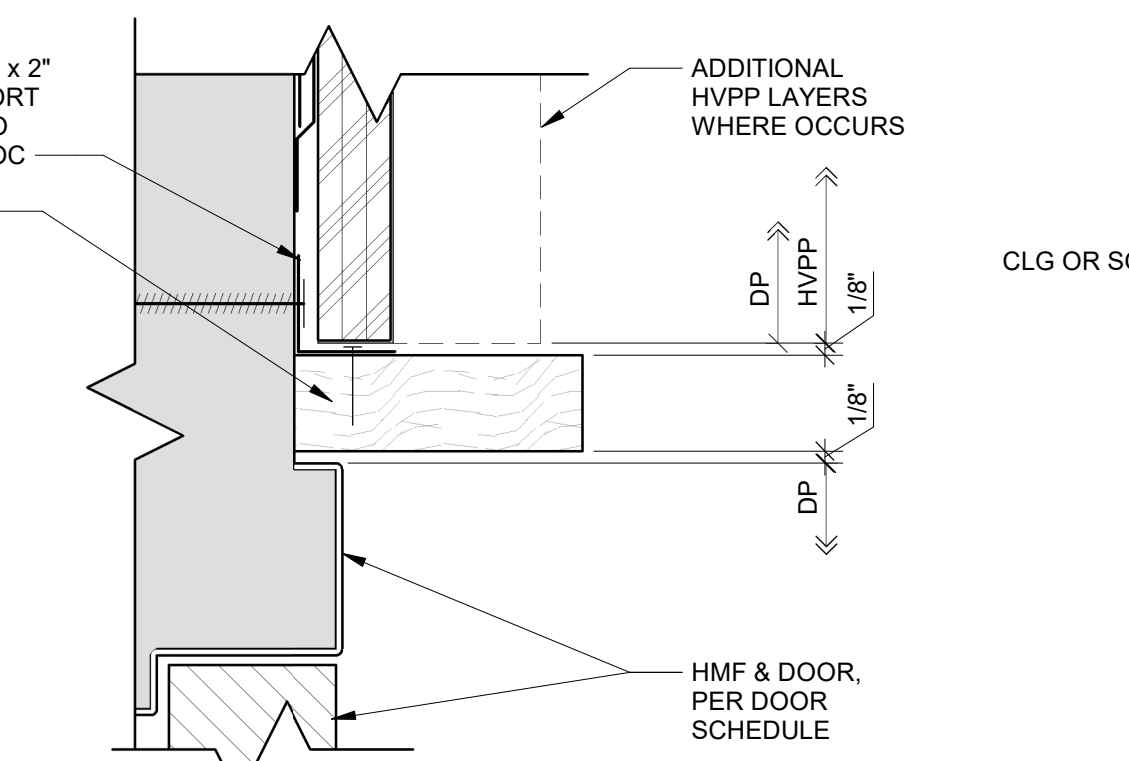
SECTION



HVPP @ HORIZONTAL JOINT

SECTION

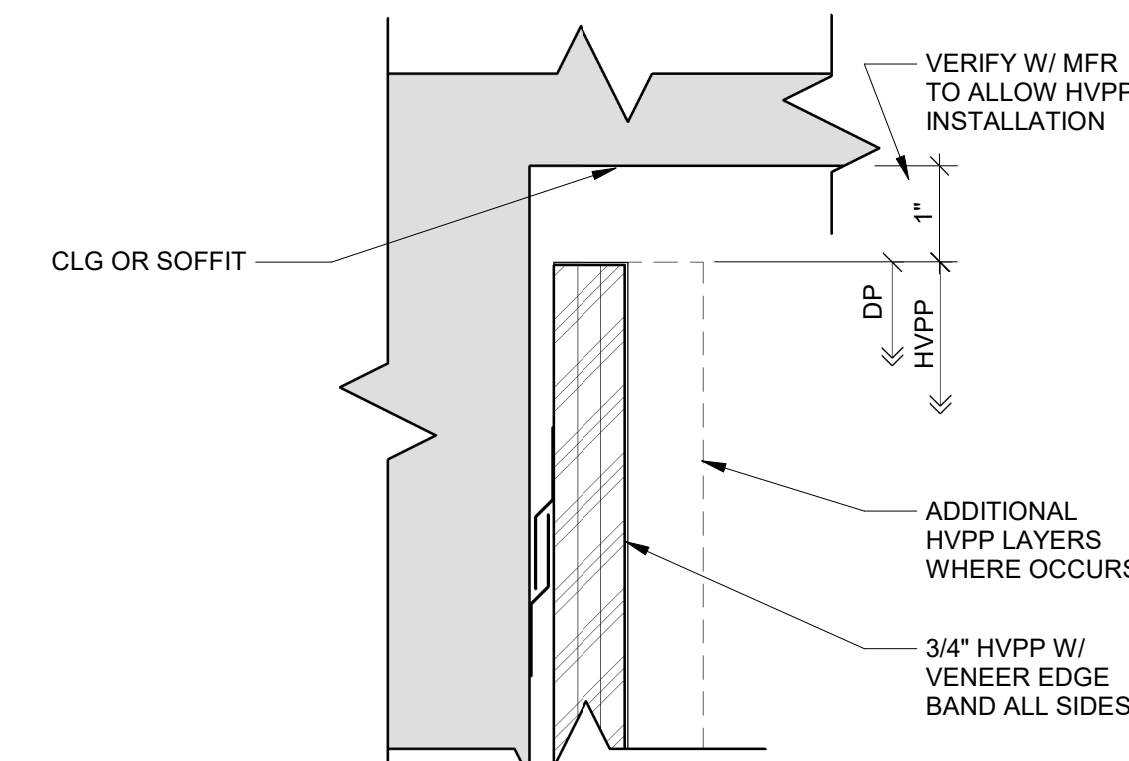
SEE ALSO: 19H/ A4.46



HVPP @ DOOR HEAD

SECTION

SEE ALSO: 19H/ A4.46



HVPP @ TOP

SECTION

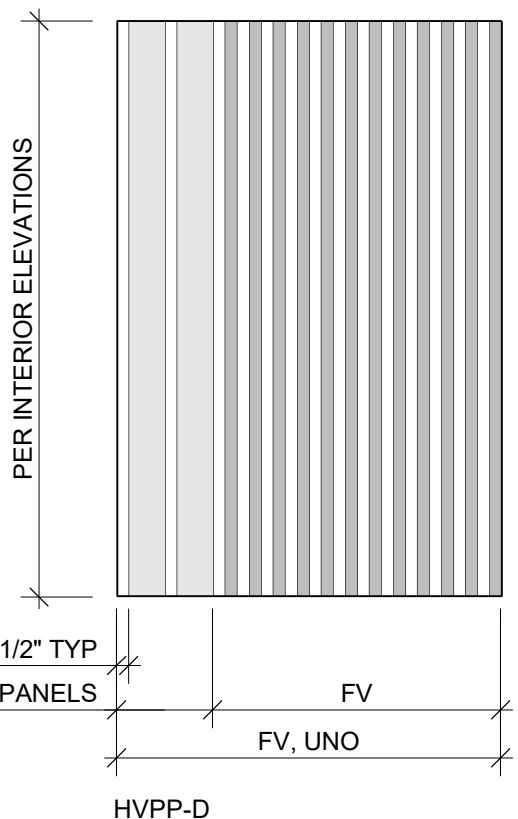
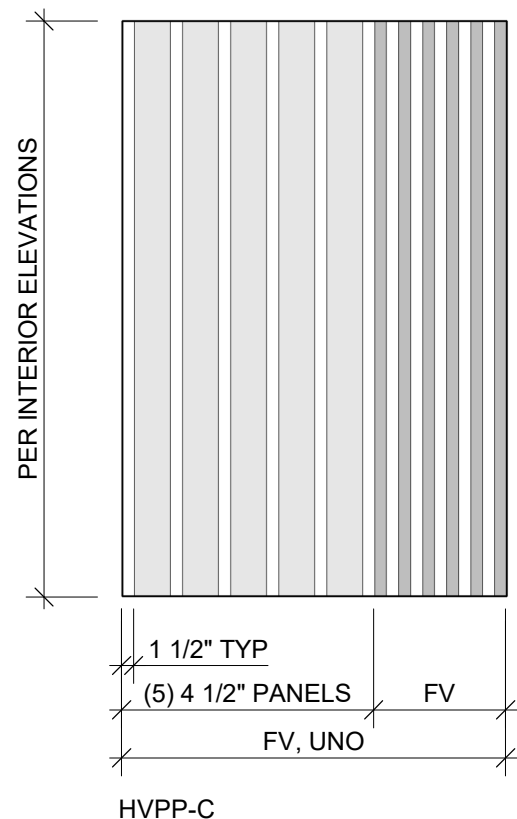
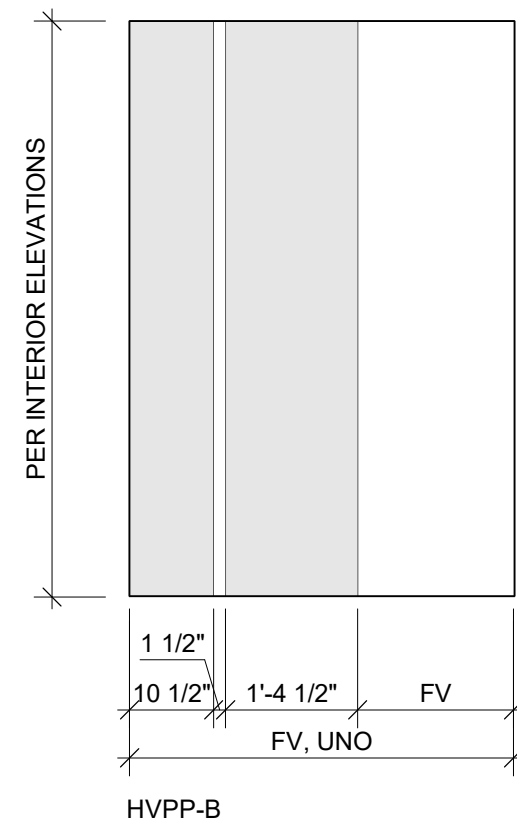
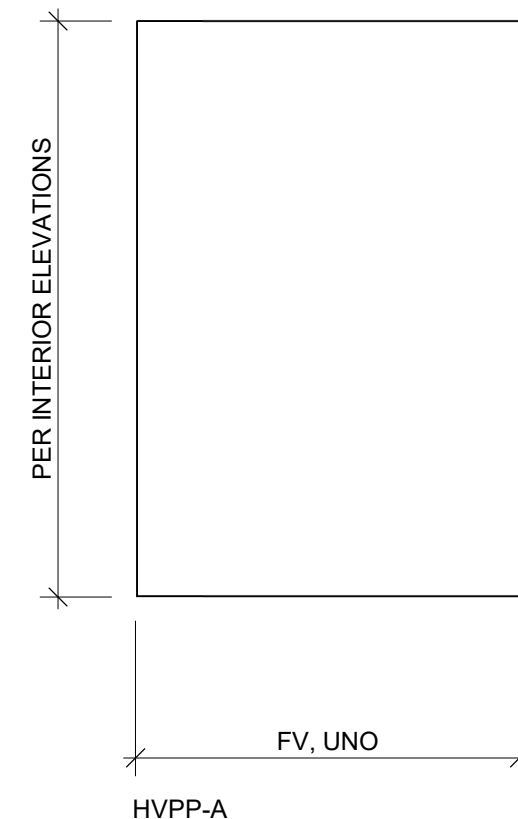
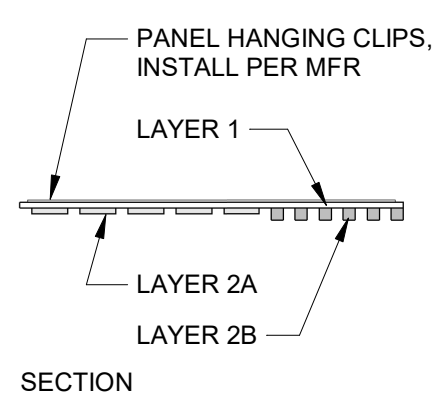
SEE ALSO: 19H/ A4.46

HVPP DETAILS

SCALE: 6" = 1'-0"

LEGEND

- LAYER 1: 3/4" HVPP W/ EDGE BANDING
- LAYER 2A: 3/4" HVPP W/ EDGE BANDING
- LAYER 2B: 2X2 HWDT



HVPP TYPES

SCALE: 1/2" = 1'-0"

KEYLINK SCHEDULE

REFER TO SHEETS A0.01 & A0.02 FOR COMPREHENSIVE KEYLINK LEGENDS BY ALPHABET & SPECIFICATION DIVISION.

KA	SSN	Definition
ADJ	05 40 00	ADJACENT
BLKG	03 30 00	BLOCKING
CIPG	03 30 00	CAST-IN-PLACE CONCRETE
CLG	02 31 13	CHAIN LINK-GATE
CONT	07 46 33	CONTINUOUS/CONTINUATION
CRP	07 46 33	COMPOSITE RESIN PANEL
DO	07 46 33	DOOR OPENING
DP	07 46 33	DOOR OPENING
EQ	07 46 33	EQUAL
FRMS	07 46 33	FRAMING
FSN	07 46 33	FASTENER
FST	07 46 33	FASTEN
FV	07 46 33	FIELD VERIFY
GA	07 46 33	GAUGE
GB	09 29 00	GYPSUM BOARD
HMF	08 11 13	HOLLOW METAL FRAME
HVPP	06 20 23	HARDWOOD VENEER PLYWOOD PANELING
HWD	06 20 23	HARDWOOD
HWDB	06 20 23	HARDWOOD BASE
HWDT	12 35 50	HARDWOOD TRIM (CSWK)
MAX	07 46 33	MAXIMUM
MFR	07 46 33	MANUFACTURER
MMF	05 50 00	MISCELLANEOUS METAL FABRICATION
MWD	06 10 00	MISCELLANEOUS WOOD
O/	07 46 33	OVER
OC	07 46 33	ON CENTER
PCU	03 45 00	PRECAST CONCRETE UNIT
PHS	10 90 00	PICTURE HANGING SYSTEM
PWD	06 10 00	PLYWOOD
RTF	07 46 33	RIP TO FIT
SCFF	03 35 53	SPECIAL CONCRETE FLOOR FINISH
T&S	07 46 33	TONGUE & GROOVE
THK	07 46 33	THICK
TYP	07 46 33	TYPICAL
UNO	07 46 33	UNLESS NOTED OTHERWISE
W/	07 46 33	WITH
WAPP	09 68 00	WALL ASSEMBLY PER PLAN
WOM	09 68 00	WALK OFF MAT

GENERAL NOTES:

- REFER TO SHEET A0.01 FOR GENERAL SYMBOLS LEGEND.
- REFER TO SHEET A3.40 FOR WALL TYPES & ASSOCIATED GENERAL NOTES.
- REFER TO SHEET A3.41 FOR TYPICAL REQUIREMENTS AT COMPENSTATION HEADS, RATED DETAILS, AND PENETRATIONS.

Inglemoor High School Concert Hall + Music Building

Inglemoor High School
15500 Simonds Road NE
Kenmore, WA 98028

Northshore School District No. 417

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05.05.2020	ADDENDUM NO. 2

BID DOCUMENTS

04.13.2020

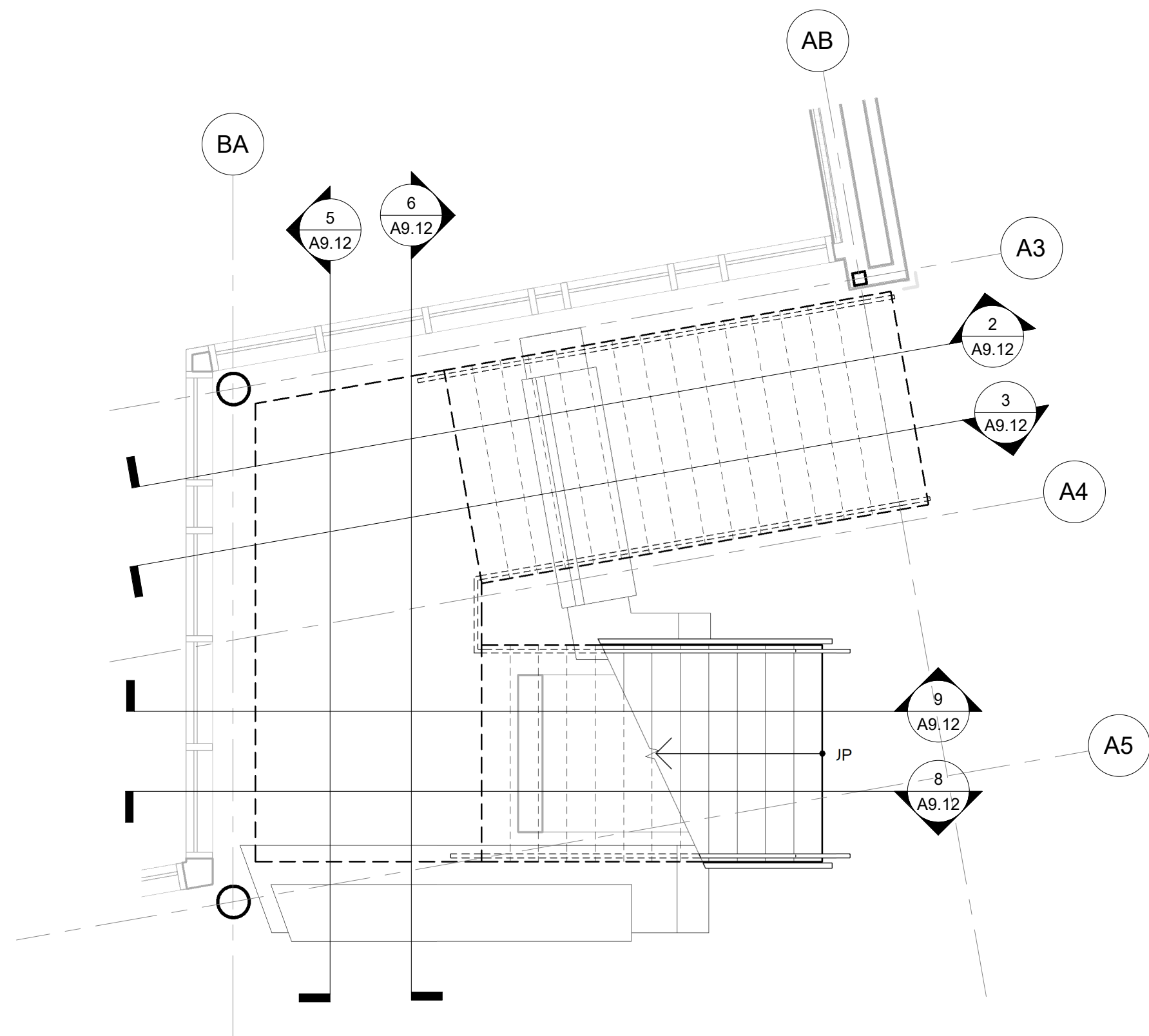
PROJECT NUMBER: 1711

SHEET NAME

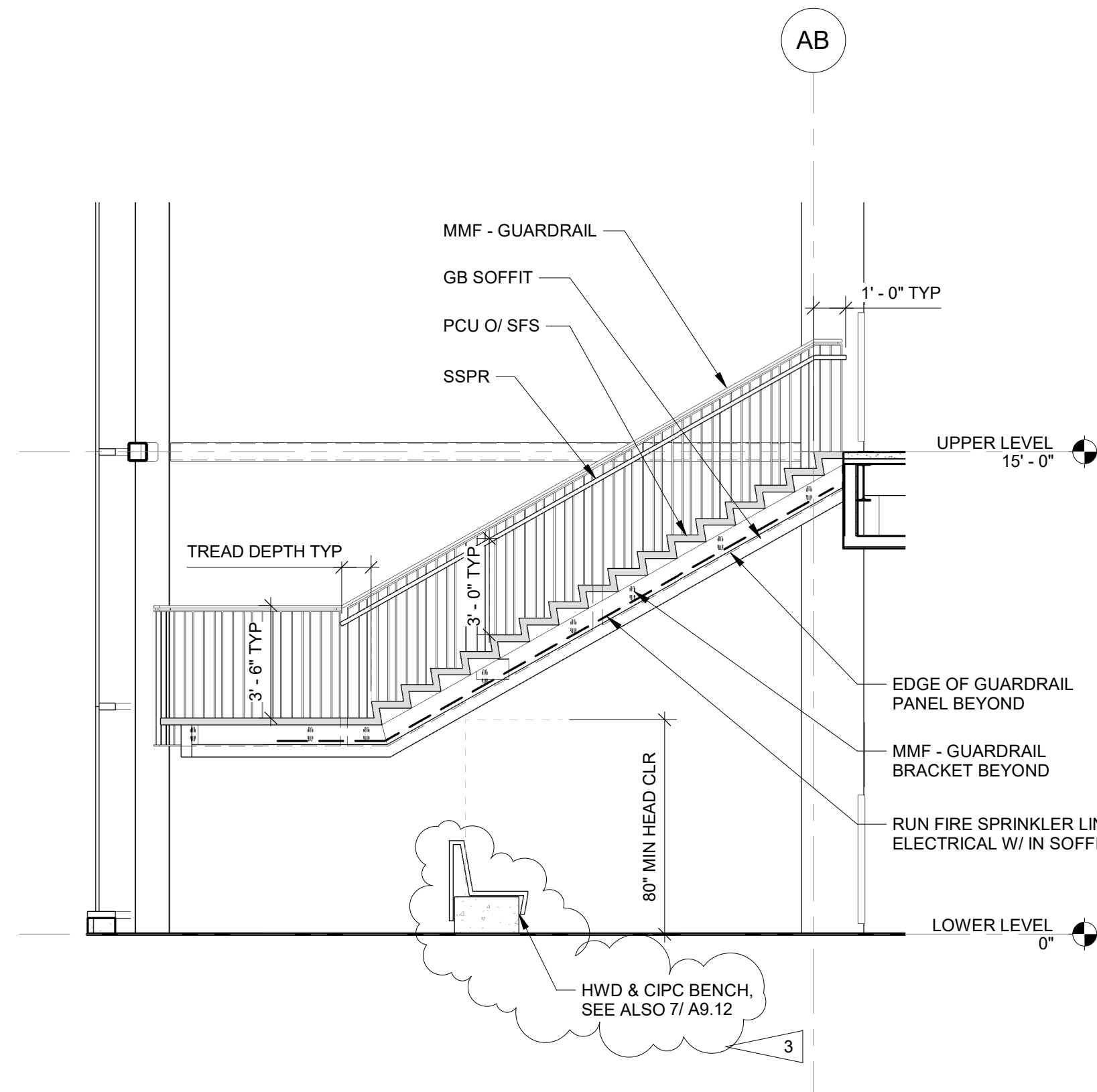
Interior Details - Lobby

SHEET NUMBER

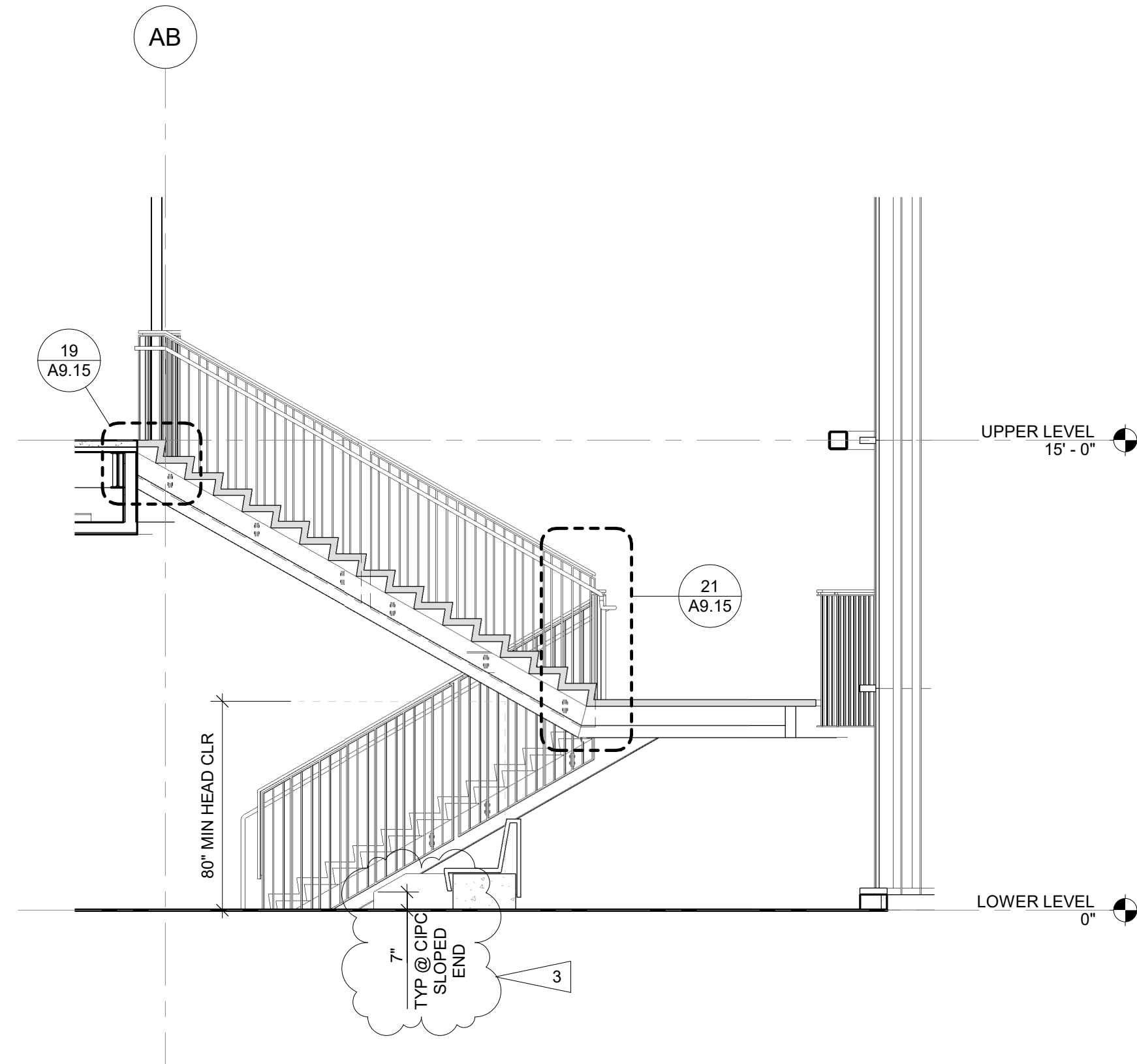
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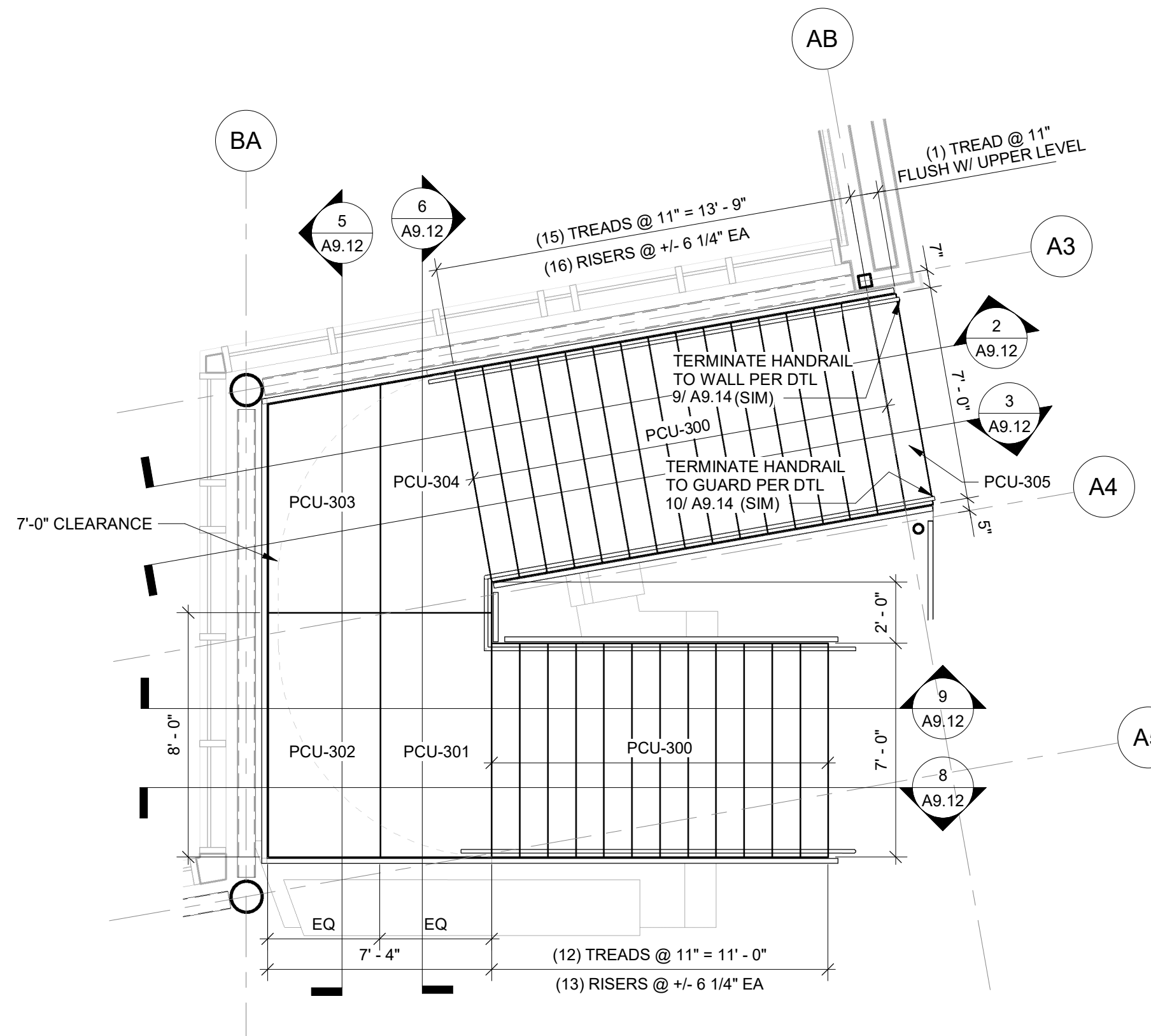
1 STAIR B 103 - LOWER LEVEL PLAN
SCALE: 1/4" = 1'-0"



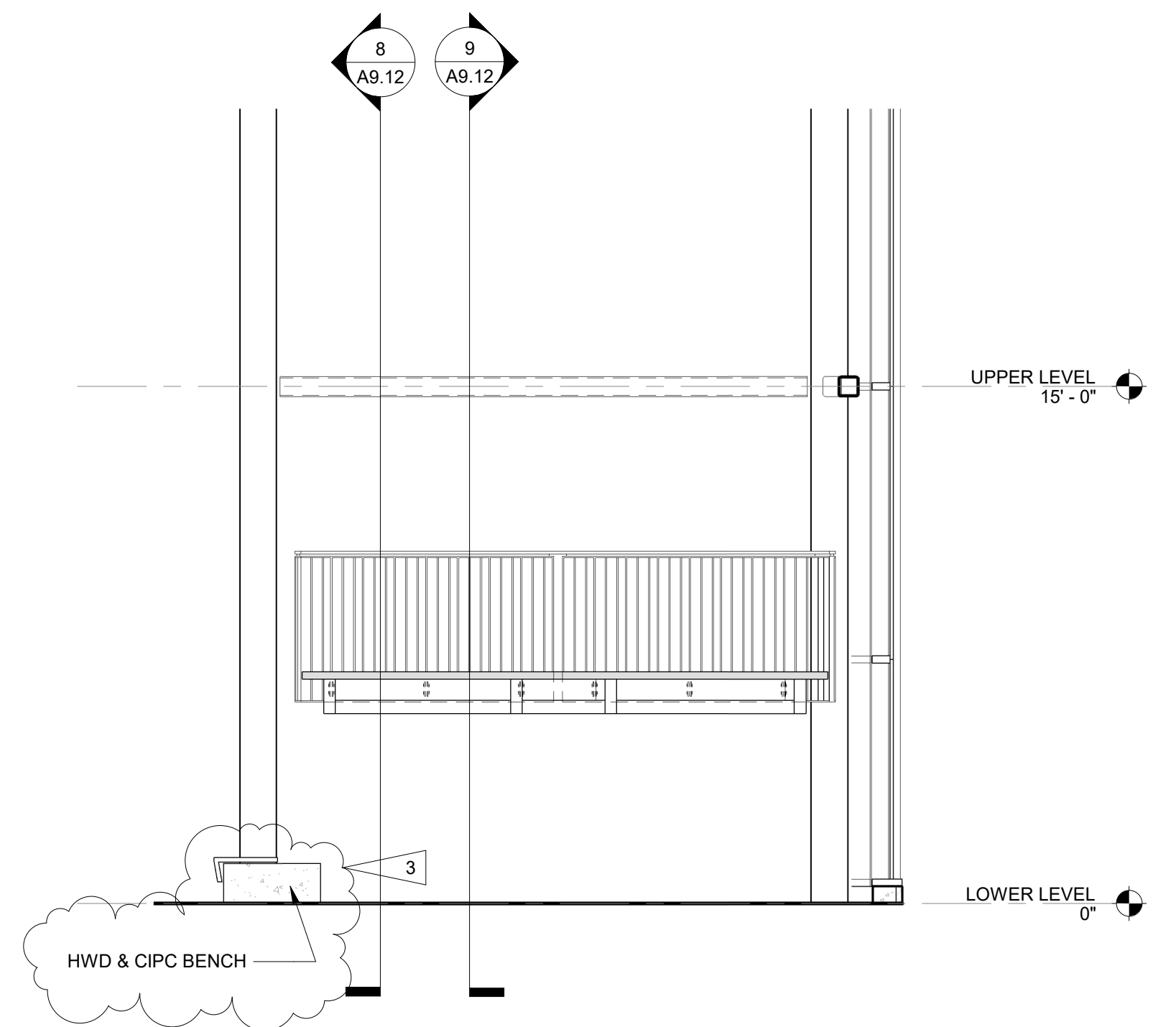
2 STAIR B 103 - SECTION
SCALE: 1/4" = 1'-0"



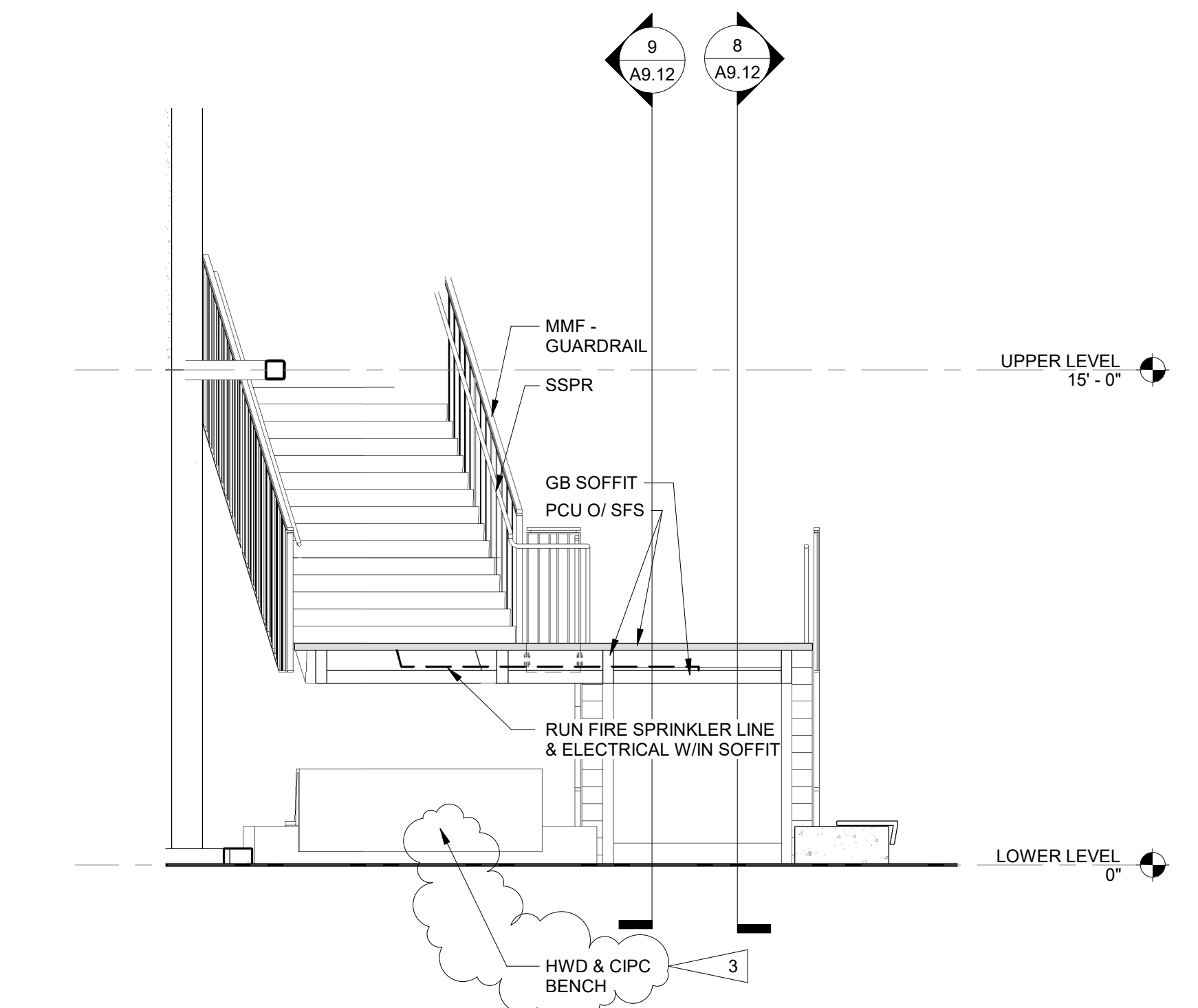
3 STAIR B 103 - SECTION
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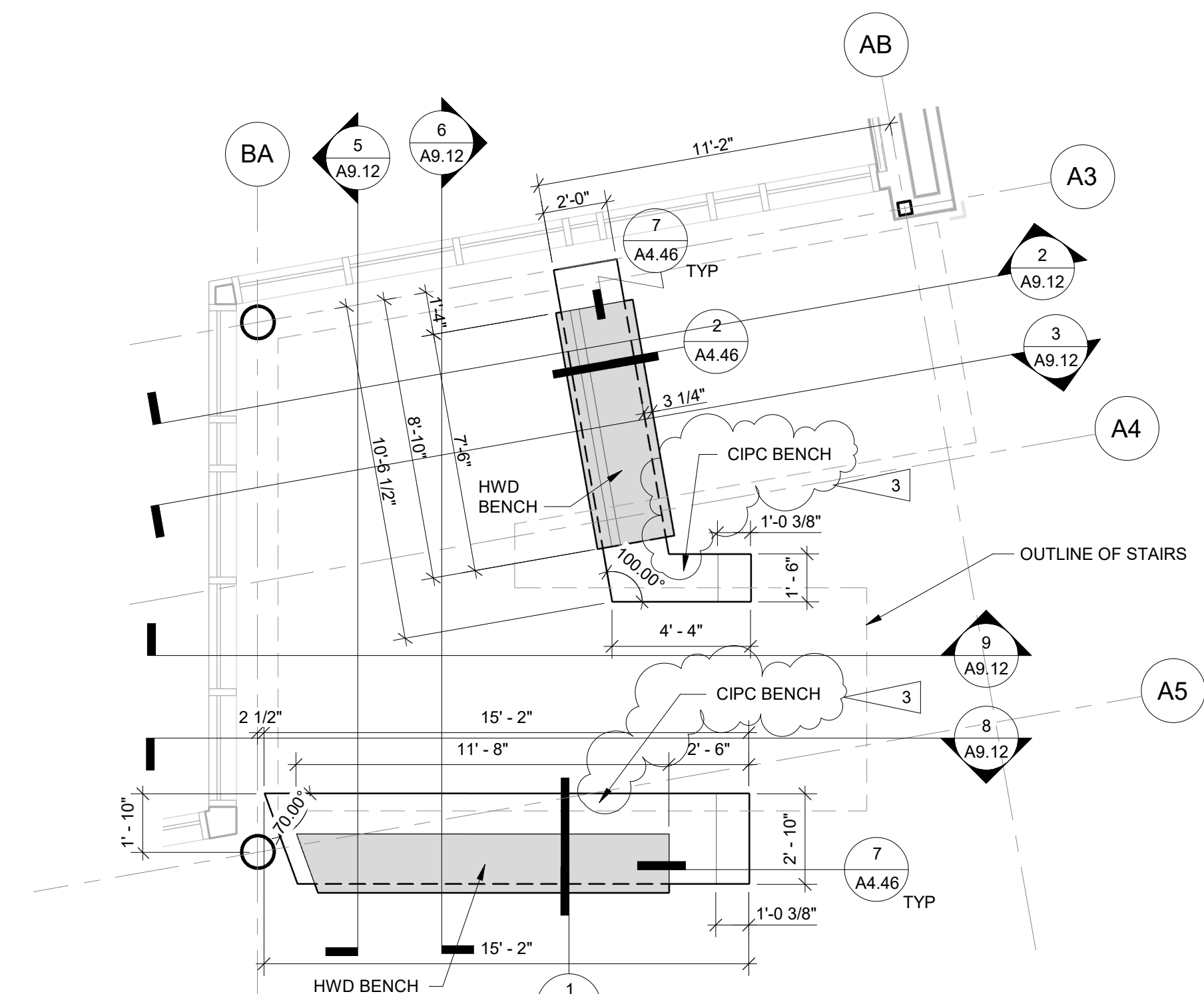
4 STAIR B 103 - UPPER LEVEL PLAN
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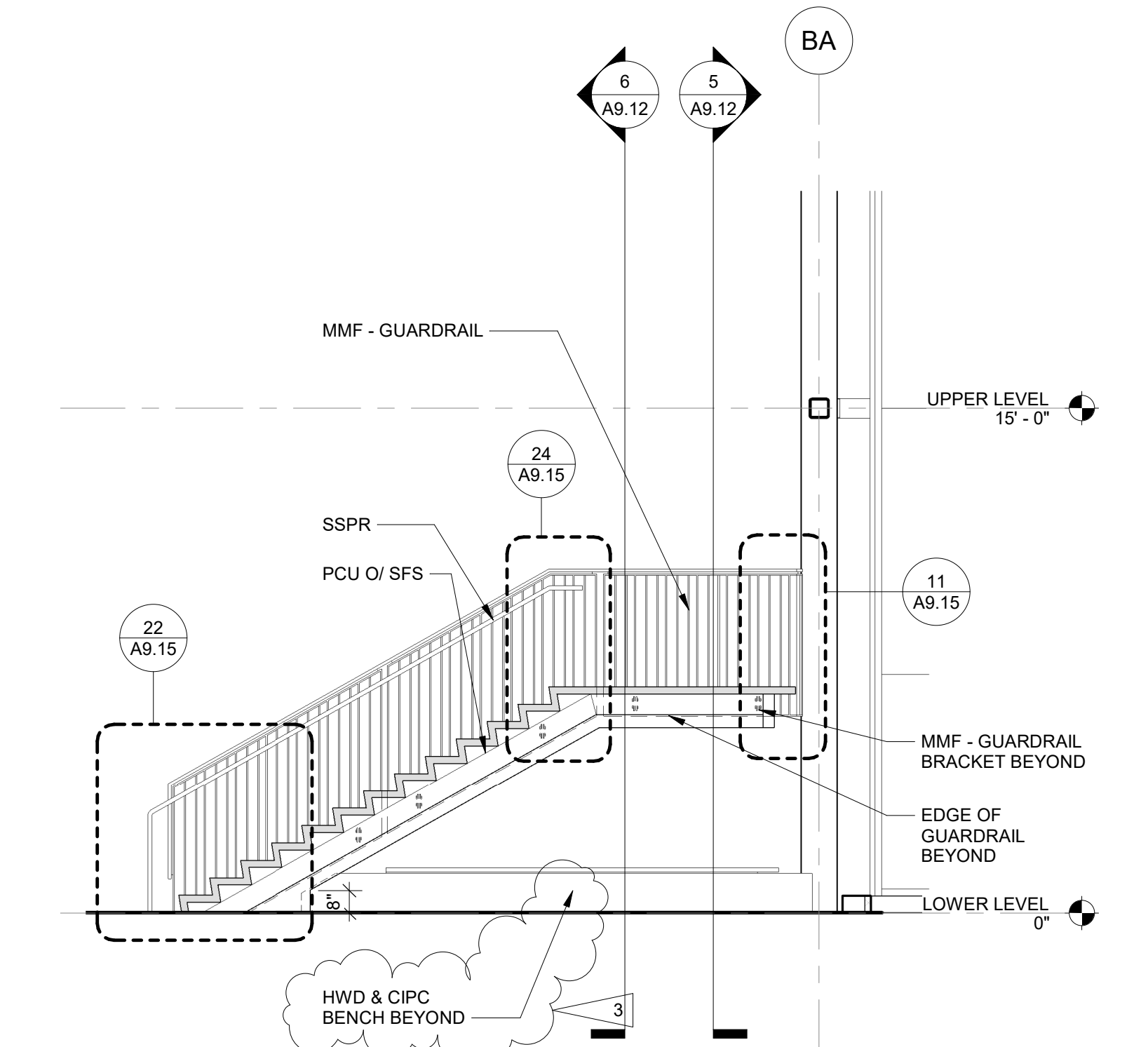
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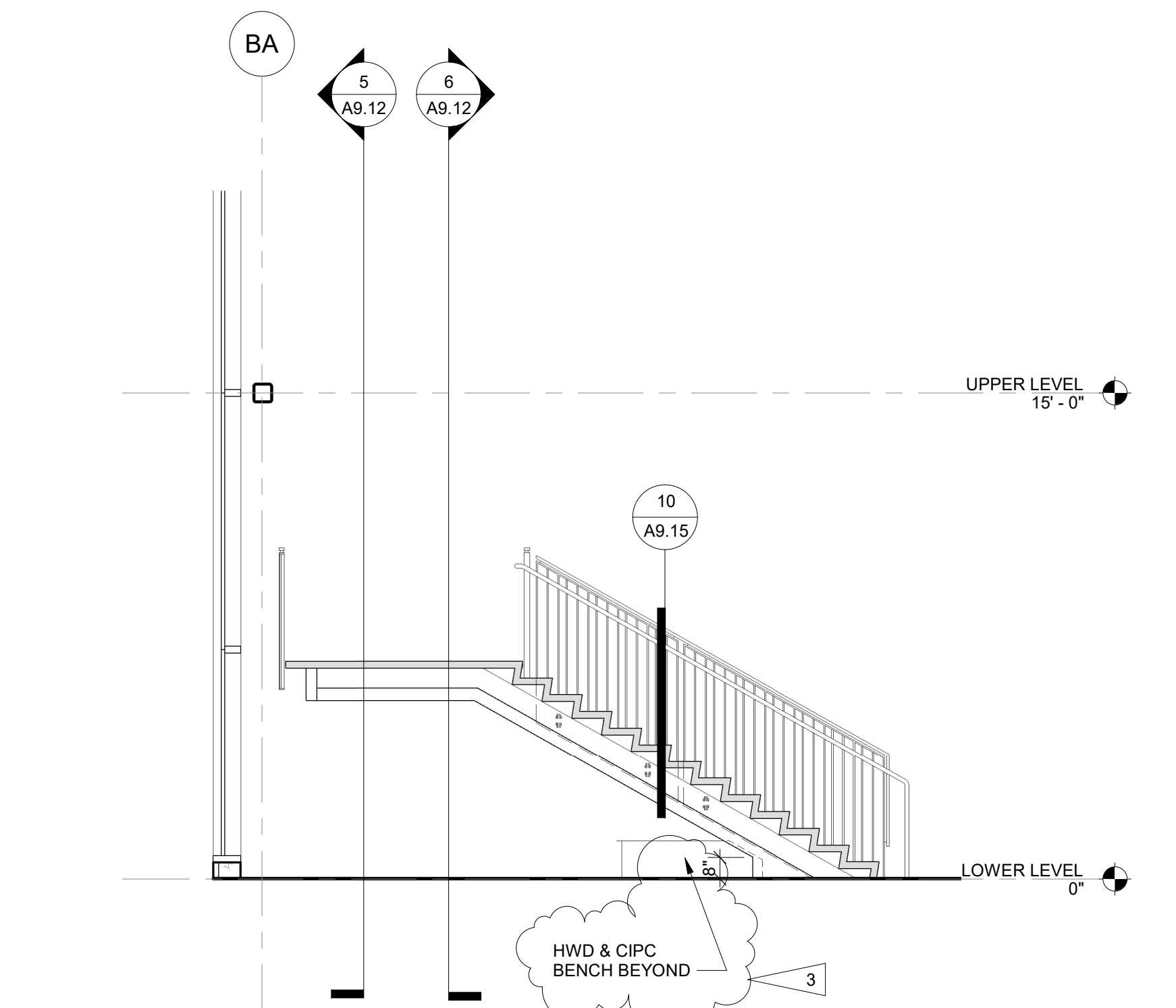
6 STAIR B 103 - SECTION
SCALE: 1/4" = 1'-0"



7 STAIR B 103 - BENCH PLAN
SCALE: 1/4" = 1'-0"



8 STAIR B 103 - SECTION
SCALE: 1/4" = 1'-0"



9 STAIR B 103 - SECTION
SCALE: 1/4" = 1'-0"

KEYLINK SCHEDULE

REFER TO SHEETS A0.01 & A0.02 FOR COMPREHENSIVE KEYLINK LEGENDS BY ALPHABET & SPECIFICATION DIVISION.

KA	SSN	Definition
AESS	05 12 13	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
CIPC	03 30 00	CAST-IN-PLACE CONCRETE
CA	01 01 00	EACH
EQ	09 29 00	EQUAL
GB	09 29 00	GYPSON BOARD
HWD	06 20 23	HARDWOOD
JS	07 92 00	JOINT SEALANT
MMF	05 50 00	MISCELLANEOUS METAL FABRICATION
SFS	05 50 00	STEEL FRAMED STAIR
SSPR	05 50 00	STAINLESS STEEL PIPE RAIL
TYP	00 00 00	TYPICAL
W/	00 00 00	WITH

GENERAL NOTES

- ALL EXPOSED STRUCTURAL STEEL TO BE AESS.
- CAULK ALL PCU JOINTS W/ SANDED JS.

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04.27.2020	ADDENDUM NO. 2
05.05.2020	ADDENDUM NO. 2

BID DOCUMENTS

04.13.2020
PROJECT NUMBER: 1711
SHEET NAME

Enlarged Stair Plans & Sections - Stair B

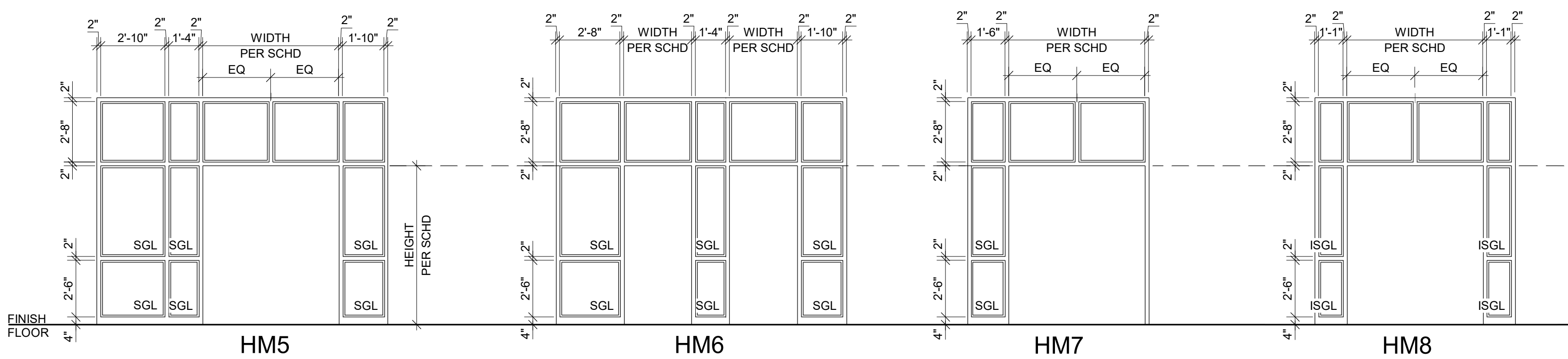
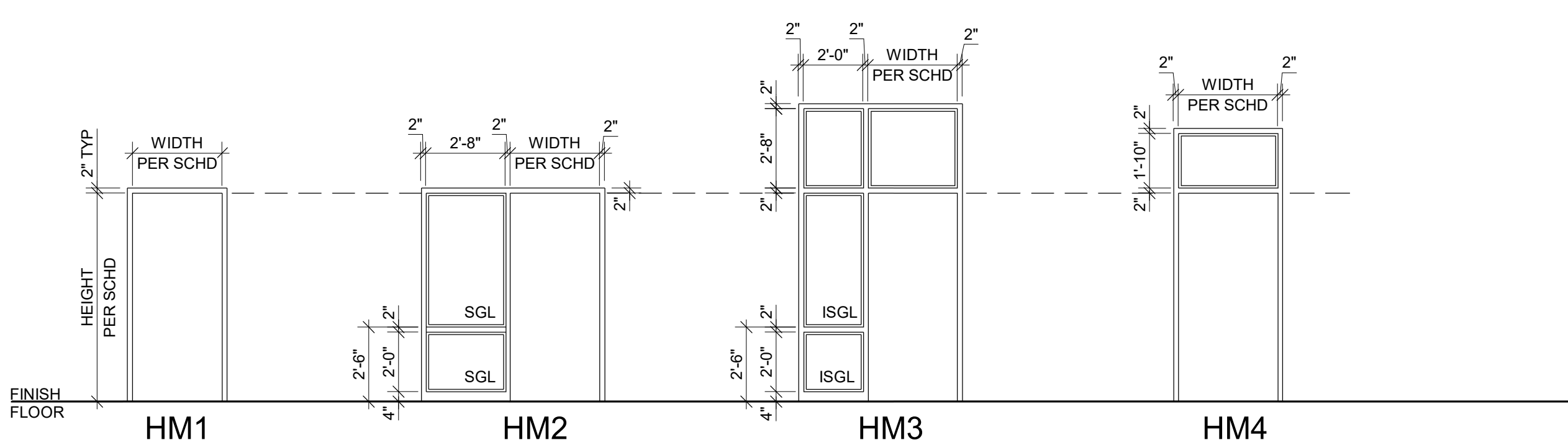
DOOR, FRAME AND HARDWARE SCHEDULE

DOOR NUMBER	ROOM NAME	DOOR		DESCRIPTION	DOOR		SOUND DOOR	FIRE RATING	FRAME DETAIL REFERENCE	FRAME DETAIL REFERENCES			HW GROUP	PANIC HW	
		W	H		TYPE	MAT				TYPE	DEPTH	HEAD			JAMB
003	STAIR A	36"	96"	SINGLE SWING	F	W			HM1	14 7/8"	1/A11.02	1/A11.02		08*	
101A	VEST	84"	108"	DOUBLE SWING	FG2	A			CW1		17/A11.11	23/A11.11	28 / 29/A11.11	03	YES
101B	VEST	84"	108"	DOUBLE SWING	FG2	A			CW2		17/A11.11	23/A11.11	28 / 29/A11.11	02	YES
102A	VEST	84"	108"	DOUBLE SWING	FG2	A			CW1		18/A11.11	24/A11.11	27 & 30/A11.11	05	YES
102B	VEST	84"	108"	DOUBLE SWING	FG2	A			CW2		18/A11.11	24/A11.11	27 & 30/A11.11	04	YES
104	CORRIDOR	40"	84"	SINGLE SWING	FG3	H			HM4	7 1/4"	3/A11.02	9 & 10/A11.02	20/A11.02	06W	YES
106A	CONTROL	36"	84"	SINGLE SWING	F	W	NOTE 1		HM1	9 1/2"	1/A11.02	1/A11.02	5/A11.02	07S	
106B	CONTROL	36"	84"	SINGLE SWING	F	W	NOTE 1		HM1	9 1/2"	1/A11.02	1/A11.02	5/A11.02	07S	
108	WOMEN	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		09	
109	TOILET	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		10	
110	CUST	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		11	
111	MEN	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		09	
112	SOUND LOCK	72"	96"	DOUBLE SWING	F	W	NOTE 1		HM1	11 1/2"	1/A11.02	1/A11.02	5/A11.02	12S	YES
113	SOUND LOCK	72"	96"	DOUBLE SWING	F	W	NOTE 1		HM1	11 1/2"	1/A11.02	1/A11.02	5/A11.02	12S	YES
114A	CONCERT HALL	72"	96"	DOUBLE SWING	F	W	NOTE 1		HM1	11 1/2"	1/A11.02	1/A11.02	5/A11.02	13S	YES
114B	CONCERT HALL	72"	96"	DOUBLE SWING	F	W	NOTE 1		HM1	11 1/2"	1/A11.02	1/A11.02	5/A11.02	13S	YES
117	VESTIBULE	46"	84"	SINGLE SWING	F	H	NOTE 2 & 3		HM1	7 1/4"	3/A11.02 SIM	9 & 10/A11.02 SIM	20/A11.02	06S	2 YES
118A	BACKSTAGE STORAGE	42"	84"	SINGLE SWING	F	W	NOTE 1		HM1	9 1/2"	1/A11.02	1/A11.02	5/A11.02	34SW	YES
118B	BACKSTAGE STORAGE	84"	84"	DOUBLE SWING	F	H			HM1	7 1/4"	3/A11.02	9/A11.02	20/A11.02	15	YES
118C	BACKSTAGE STORAGE	72"	84"	DOUBLE SWING	N	W			HM1	8 1/4"	1/A11.02	1/A11.02		19	YES
120	VESTIBULE	42"	84"	SINGLE SWING	F	W	NOTE 1		HM1	9 1/2"	1/A11.02	1/A11.02	5/A11.02	34SW	YES
121	CORRIDOR	72"	84"	DOUBLE SWING	N	W	NOTE 1		HM1	8 1/4"	1/A11.02	1/A11.02	5/A11.02	12S	YES
122	MANAGER	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		21	
123	DRESSING	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		33	
124	FSRR	72"	84"	DOUBLE SWING	F	H			HM1	7 1/4"	3/A11.02	9/A11.02	20/A11.02	23	
125A	CORRIDOR	72"	84"	DOUBLE SWING	FG3	H			HM5	8 1/4"	1/A11.02	1/A11.02		24	YES
125B	CORRIDOR	36"	84"	SINGLE SWING	FG3	H			HM3	7 1/4"	4/A11.02	10/A11.02	20 & 26/A11.02	22	YES
126	CORRIDOR	72"	84"	DOUBLE SWING	FG3	H			HM1	7 1/4"	13/A11.21	14/A11.02	20/A11.02	15	YES
126	ELEC	36"	84"	SINGLE SWING	F	W			HM1	8 7/8"	1/A11.02	1/A11.02		25	YES
127	EMR	42"	84"	SINGLE SWING	F	W		60 MIN	HM1	8 1/4"	1/A11.02	1/A11.02		16W	
128	MDP	36"	84"	SINGLE SWING	F	W			HM1	8 7/8"	1/A11.02	1/A11.02		16	
129	PRAC	36"	84"	SINGLE SWING	FG1	W	NOTE 1		HM1	9 1/2"	1/A11.02	1/A11.02	5/A11.02	26S	
130	PRAC	36"	84"	SINGLE SWING	FG1	W	NOTE 1		HM1	9 1/2"	1/A11.02	1/A11.02	5/A11.02	26S	
131	CUST	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		11	
132	LRG PRAC	42"	84"	SINGLE SWING	FG1	W	NOTE 1		HM1	9 1/2"	1/A11.02	1/A11.02	5/A11.02	26SW	
133	TOILET	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		10	
134	TOILET	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		10	
135	TOILET	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		10	
137	INST STOR	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		33	
138	INST STOR	42"	84"	SINGLE SWING	N	W			HM1	8 1/4"	1/A11.02	1/A11.02		11W	
139	ENSEMBLE	42"	84"	SINGLE SWING	FG1	W	NOTE 1		HM1	9 1/2"	1/A11.02	1/A11.02	5/A11.02	26SW	
140A	BAND STAFF	36"	84"	SINGLE SWING	N	W			HM1	8 1/4"	1/A11.02	1/A11.02		21	
140B	BAND STAFF	36"	84"	SINGLE SWING	G	W			HM2	8 7/8"	1/A11.02	1/A11.02		27	
141A	BAND	72"	84"	DOUBLE SWING (48" - 24")	N.F	W	NOTE 2		HM1	9 1/2"	11/A11.02	11/A11.02	5/A11.02	30S	YES
141B	BAND	72"	84"	DOUBLE SWING	FG3	H			HM1	7 1/4"	13/A11.21	8 & 16/A11.02	20/A11.02	29	YES
142	BAND STORAGE	72"	84"	DOUBLE SWING	F	W			HM1	8 7/8"	1/A11.02	1/A11.02		28	
143	ACCESS	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		01	
201A	CORRIDOR	36"	84"	SINGLE SWING	FG3	W			HM6	8 1/4"	1/A11.02	1/A11.02		31	YES
201B	CORRIDOR	36"	84"	SINGLE SWING	FG3	W			HM6	8 1/4"	1/A11.02	1/A11.02		31	YES
203	BALCONY CORRIDOR	36"	96"	SINGLE SWING	F	W			HM1	14 7/8"	1/A11.02	1/A11.02		08*	
205	WOMEN	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		09	
206	TOILET	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		10	
207	CUST	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		11	
208	MEN	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		09	
209	SOUND LOCK	72"	96"	DOUBLE SWING	F	W	NOTE 1		HM1	11 1/2"	1/A11.02	1/A11.02	5/A11.02	12S	YES
210	SOUND LOCK	72"	96"	DOUBLE SWING	F	W	NOTE 1		HM1	11 1/2"	1/A11.02	1/A11.02	5/A11.02	12S	YES
211A	SOUND LOCK	72"	96"	DOUBLE SWING	F	W	NOTE 1		HM1	11 1/2"	1/A11.02	1/A11.02	5/A11.02	13S	YES
211B	SOUND LOCK	72"	96"	DOUBLE SWING	F	W	NOTE 1		HM1	11 1/2"	1/A11.02	1/A11.02	5/A11.02	13S	YES
212	CORRIDOR	72"	84"	DOUBLE SWING	FG3	H			HM7	8 1/4"	1/A11.02	1/A11.02		18	YES
213	PRAC	36"	84"	SINGLE SWING	FG1	W	NOTE 1		HM1	9 1/2"	1/A11.02	1/A11.02	5/A11.02	26S	
214	PRAC	36"	84"	SINGLE SWING	FG1	W	NOTE 1		HM1	9 1/2"	1/A11.02	1/A11.02	5/A11.02	26S	
215	LRG PRAC	42"	84"	SINGLE SWING	FG1	W	NOTE 1		HM1	9 1/2"	1/A11.02	1/A11.02	5/A11.02	26SW	
216	STOR	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		16	
217	CUST	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		11	
218A	CHOIR	72"	84"	DOUBLE SWING (48" - 24")	N.F	W	NOTE 2		HM1	9 1/2"	11/A11.02	11/A11.02	5/A11.02	30S	YES
218B	CHOIR	36"	84"	SINGLE SWING	FG3	H			HM3	7 1/4"	2/A11.02	8/A11.02	20 & 26/A11.02	06	YES
219	CHOIR STOR	72"	84"	DOUBLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		28	
220A	CHOIR STAFF	36"	84"	SINGLE SWING	N	W	NOTE 2		HM1	8 7/8"	11/A11.02	11/A11.02	5/A11.02	21S	
220B	CHOIR STAFF	36"	84"	SINGLE SWING	N	W	NOTE 2		HM1	8 7/8"	11/A11.02	11/A11.02	5/A11.02	21S	
221A	MUSIC TECH	72"	84"	DOUBLE SWING (48" - 24")	N.F	W	NOTE 2		HM1	9 1/2"	11/A11.02	11/A11.02	5/A11.02	30S	YES
221B	MUSIC TECH	36"	84"	SINGLE SWING	FG3	H			HM3	7 1/4"	2/A11.02	8/A11.02	20 & 26/A11.02	06	YES
222	MUSIC TECH STOR	72"	84"	DOUBLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		28	
223	TOILET	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		10	
224	TOILET	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		10	
225	TOILET	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		10	
226	MUSIC STOR	36"	84"	SINGLE SWING	N	W			HM1	8 1/4"	1/A11.02	1/A11.02		33	
227	ACCESS	36"	84"	SINGLE SWING	F	W			HM1	8 1/4"	1/A11.02	1/A11.02		08	
229	VEST	72"	84"	DOUBLE SWING	FG3	H			HM8	7 1/4"	4/A11.02 SIM	10/A11.02	20 & 26/A11.02	17	YES
230	ACCESS	36"	84"	SINGLE SWING	F	W			HM1	6 1/4"	1/A11.02	1/A11.02		08	
231	LOWER CATWALK	36"	84"	SINGLE SWING	F	H	NOTE 1		HM1	15 1/2"	1/A11.02	1/A11.02	5/A11.02	11S	
232	LOWER CATWALK	36"	84"	SINGLE SWING	F	H	NOTE 1		HM1	15 1/2"	1/A11.02	1/A11.02	5/A11.02	11S	
301A	ACCESS	36"	84"	SINGLE SWING	F	H			HM1	8 1/4"	1/A11.02	1/A11.02		16	
301B	EQUIPMENT PLATFORM	36"	84"	SINGLE SWING	F	H			HM1	7 1/4"	15/A11.02	21/A11.02	27/A11.02	32	
303	UPPER CATWALK	36"	84"	SINGLE SWING	F	H	NOTE 1		HM1	15 1/2"	1/A11.02	1/A11.02	5/A11.02	11S	

- NOTES:
1. FLUSH WOOD DOOR (WD) PER SPECIFICATION SECTION 081416 AND HOLLOW METAL DOOR (HMD) PER SPECIFICATION SECTION 081113 WITH STC RATING OF 45 AND ASSOCIATED DOOR HARDWARE PER SPECIFICATION SECTION 087100.
 2. SOUND CONTROL DOOR ASSEMBLY (SCDA) PER SPECIFICATION SECTION 083473 W/ ASSOCIATED DOOR HARDWARE PER SPECIFICATION SECTIONS 083473 & 087100.
 3. HEAD & JAMB DETAIL REFERENCES ARE ALL SIM CONDITION.

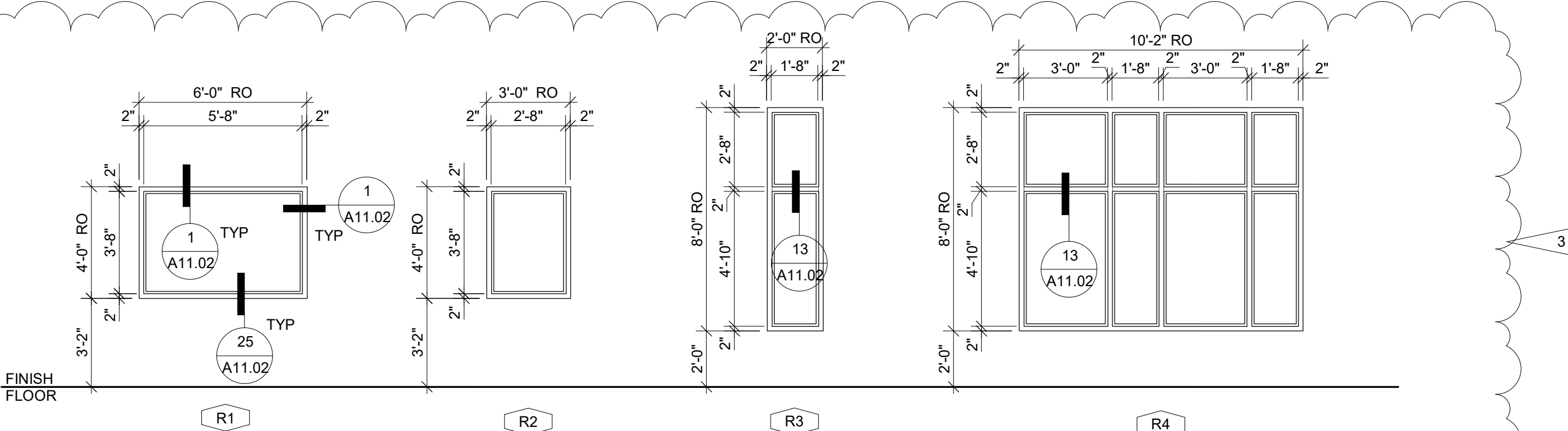
1 DOOR TYPES

SCALE: 1/4" = 1'-0"



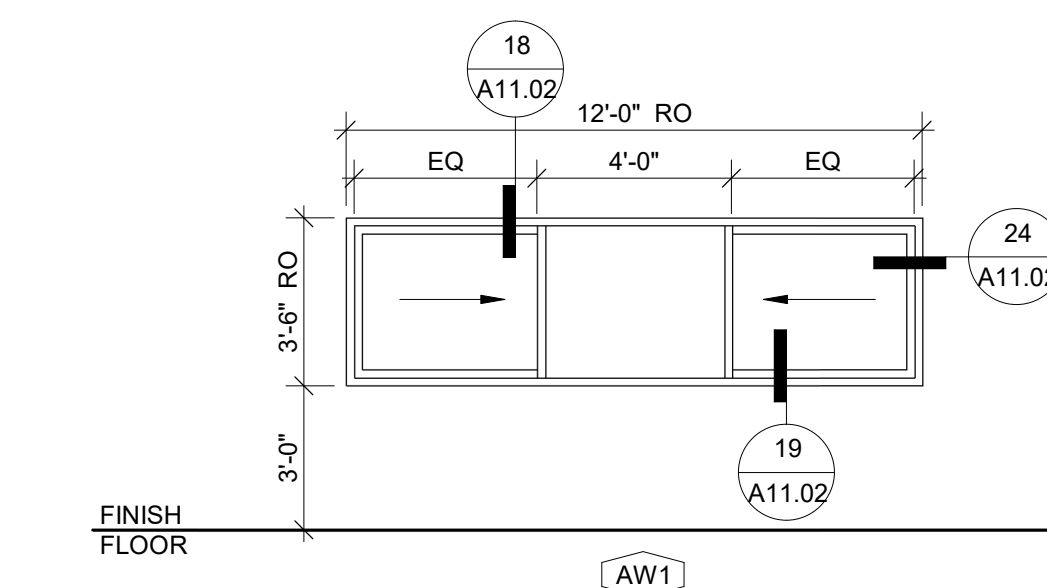
2 FRAME TYPES (HMF)

SCALE: 1/4" = 1'-0"



3 RELITE TYPES (HMF) - STC50

SCALE: 1/4" = 1'-0"



4 ALUMINUM WINDOW - DUAL SLIDING

SCALE: 1/4" = 1'-0"



KEYLINK SCHEDULE

REFER TO SHEETS A0.01 & A0.02 FOR COMPREHENSIVE KEYLINK LEGENDS
BY ALPHABET