



INVITATION FOR BIDS
CCK-2590.2-3-25
WHITEHALL CLASSROOM BUILDING TRADE PACKAGES
2590.2
ADDENDUM # 3
11/21/2024

IMPORTANT: BID AND ADDENDUM MUST BE RECEIVED BY 12/03/2024 @ 3:00 P.M. LEXINGTON, KY TIME

Bidder must acknowledge receipt of this and any addendum as stated in the Invitation for Bids.

ITEM #1: CLARIFICATIONS AND MODIFICATIONS TO THE CONTRACT DOCUMENTS:

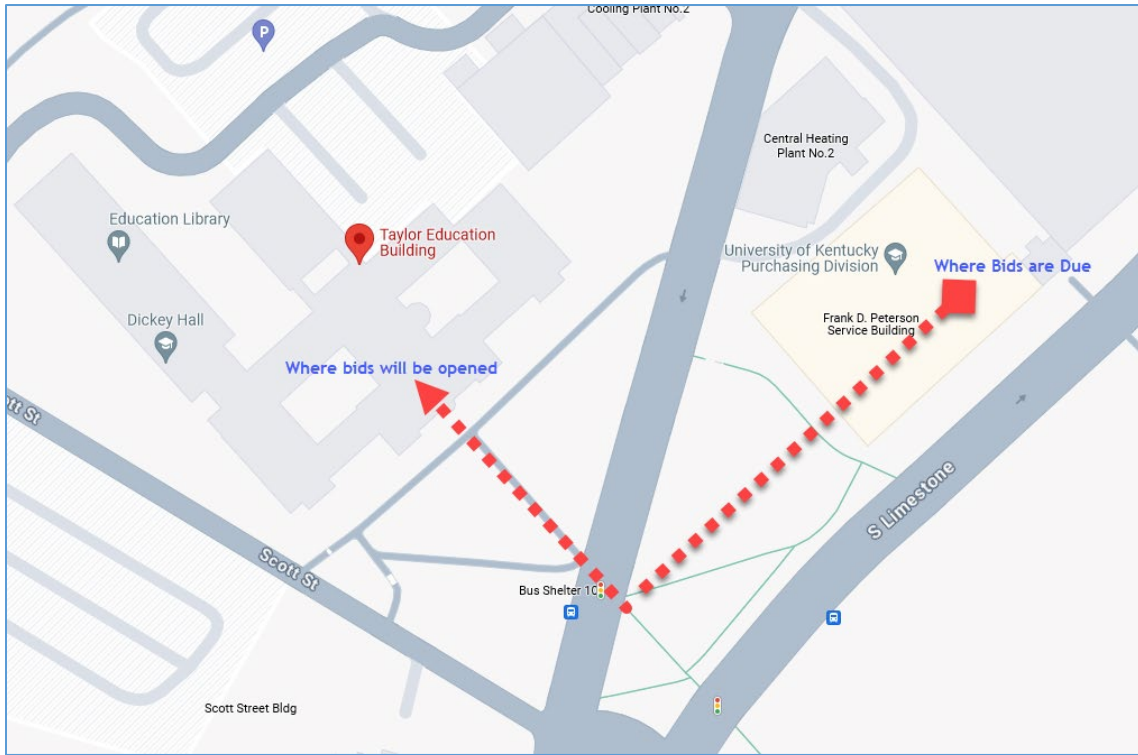
Bidders are instructed to review and incorporate the attached Addendum #3 and Q&A log from Pepper Construction and Sherman Carter Barnhart Architects.

ITEM #2: BID OPENING LOCATION:

AFTER submitting the bid at the bid clerk's desk

322 Peterson Service Building
411 S. Limestone
Lexington, KY, 40506

Contractors should relocate to the Taylor Education Building Auditorium across Upper Street, where the bid results will be publicly read. No bids will be accepted at this location. (SEE THE FOLLOWING PAGE FOR A GRAPHIC).



OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

Corey W. Leslie, AD Construction Procurement

SIGNATURE

Typed or Printed Name

CCK-2590.2-3-25 Whitehall Classroom Building Trade Package Question and Answer Log Question Deadline 11/12/2024		
#	Question	Response
1	In the electrical contractors scope of work it states that the electrical contractor is to furnish and install conduit (raceways), cable trays, and boxes for the HVAC Control System. Please confirm if this is the case, as the HVAC Controls contractor typically furnishes and installs all of their own conduit, cable trays, and boxes.	Division 26 contractor is to provide the line voltage power connections to the BAS panels as noted on the drawings. All other electrical connections required for the BAS systems are to be provided and installed by the Controls Contractor.
2	Will this project include BIM coordination? If BIM coordination is required, please provided specifications specific to HVAC Controls that detail what all needs to be modeled.	There is no BIM coordination on the controls side.
3	ATS Integrated Solutions is asking to have the Alerton DDC control system approved as an equal in the 230900 Instrumentation and Control System for HVAC Teir 2 control system per spec page 230900-3 & 4. Alerton has been accepted for previous projects and is also approved by Bobbie Ticher.	Alerton DDC control system not listed as approved controller. Documentation for approval as an equal must be submitted 10 days prior to bid opening date.
4	Spec 122413 and Items WS-01 & WS-02 call for motorized shades. The proposal form for TP 20 includes a breakout item called power leads on page 6, and Electrical & Low Volt Req. on page 8. I cannot find any electric notes for shades on the E drawings. Can you provide more information regarding the motors and controls you are wanting?	Line voltage power connections to the motorized shades will be added to the electrical drawings to be provided and installed by the Division 26 contractor. Low voltage connections will also be provided by the Division 26 contractor in coordination with the shade supplier. All necessary connection information must be provided to the Division 26 contractor by the shade manufacturer.
5	Will this project be a CCIP Insurance covered project?	No. Reference Insurance Exhibits and Exhibit U.
6	Special Conditions Article 42.2.3. calls for \$100,000,000.00 umbrella insurance coverage. Do the trade contractors need to have this same amount of insurance coverage?	Refer to exhibit C for insurance requirements.
7	Will the university have any onsite material storage for all the pre-purchased AHU's and exhaust fans? Does the trade contractor have to cover the cost to store this material offsite?	Trade contractor is responsible for coordination of receiving, unloading, and storage. Also logistics from storage site to project site and required equipment to transport to area of installation.
8	Who pays for the temporary water usage for the construction needs? (Owner/pepper)	Owner will pay for utilities. Water access is limited. Temp hose bibs for construction will be on floors 3,2, and 1 on the West side near the elevator shafts.
9	TP-23 Form of Proposal Questions Unit Prices: A. Plumbing Fixture Unit Price We need more specific detail. What plumbing fixture number? Do we include any of the sewer/water utilities serving the fixture? B. Air Handling Units per Unit Which air handling unit do we base the unit price upon? Do we include any of the controls, sheet metal, utilities, etc.? C. Exhaust Fan Unit Price per MH Please advise which exhaust fan we are basing the unit price upon. D. VAV's Unit Price per MH Please advise which VAV are we basing the unit price upon? E. Underground Excavation Price per MH Please provide more information on your intent for this unit price. Do you want the price to cover the equipment cost and labor? Do we assume the excavation covers earth or rock excavation? Do we include any backfills or surface restoration?	See attached updated Bid Forms.
10	Which trade package includes 334600 sub drainage in their pricing TP-23? Please advise.	TP-23 to include sub-draining in their scope of work.
11	IU-4 is shown on the plans but not listed on the schedule. Please provide the specifications for this unit.	IU-4 information has been added to the schedule and will be released on addendum 3.
12	Pump PU-1 is not shown on print M 8.0. Please provide.	PU-1 is an existing chilled water pump. It is not being replaced.
13	Please provide the refrigerant sizes for all the VRF Daikin units.	Per the schedule, "REFRIGERANT PIPE SIZES AND ROUTING SHALL BE BY MANUFACTURER. LAYOUT ON DRAWINGS IS DIAGRAMTIC AND TO SHOW INTENDED SYSTEM ZONING."
14	Please provide the amount of the liquidated damages for this project.	\$875 dollars for each consecutive calendar day substantial completion has not been met. \$315 dollars for each consecutive calendar day final completion has not been met.
15	I am requesting permission to bid the skylights on the above-referenced project. Please see the attached documents.	Addressed by Addenda 3
16	Specification section 23 21 13 2.1 C note 3 states "Grooved mechanical joints may be used in accessible locations only." Are above ceilings considered "accessible"?	Above ACT or accessible ceiling are allowed.
17	Specification section 23 21 13 2.2 HEATING WATER PIPING ABOVE GRADE only lists copper piping for material type. Typical UK specification is copper through 5" and carbon steel for 6" and above. Please provide clarification if carbon steel is to be utilized for 6" and above.	Specification has been updated to reflect copper up to 4" and steel above 4".
18	Drawing M6.3 Air Handling Units Schedule General Remarks # 1 states "ALL AHU'S AND RF'S ARE TO BE CUSTOM KNOCKDOWN UNITS." However, reviewing BP-2, these units appear to be sectional units. The installation time and overall cost is drastically different between a sectional and a knock-down unit. Can we please get confirmation whether the purchased units are knock-down or not? If they are truly knock-down, will they require complete electrical wiring, or will they come with wiring kits?	Given the requirements of fitting through a 6'x7' double door, these are room closely to a knockdown unit. I assume there would be wire harnesses, etc. The early equipment RFP has not been awarded yet, but if it is soon the manufacturer can provide more information to you before the bid date.
19	The project schedule issued appears to be an older version. Example: current schedule shows Level 3 MEP Cut/Cap/Save Above Ceilings starting on 9-3-24 (assuming this work has not been started). Can we please have an updated schedule for the project?	Included in addendum
20	Dwg. M2.0 - shows (2) dark lines @ room 065 what are these lines, are they to be included?	These are not to be included in the plumbing plans. They have been removed.
21	Dwg. M2.0 - shows dark line @ room 091 what is this line, is it to be included?	These are not to be included in the plumbing plans. They have been removed.
22	Dwg. M8.0 – not under fixture schedule says, include pricing to F&I Additional replacement diaphragm for Flushometer per fixture. Coordinate flow rate and installation with owner. Coordinate diaphragm type with flushometer manufacturer model number.	Has been updated on addendum 3.
23	Dwg. M2.1 – note 1 says replace existing flushometer with new. Returned removed hardware to owner in good condition. See plumbing fixture schedule. Are we to provide just the diaphragm or a whole new flushometer?	Has been updated on addendum 3.
24	Dwg. M2.2 shows (6) L-1s, these are not listed on the schedule, is there anything that needs to happen with these?	No, these are existing to remain.
25	Dwg. M2.3, indicates RWL up to New RD, please provide RD specifications	Has been updated on addendum 3.
26	Dwg. M4.0,4.1,4.3,5.0, shows refrigerant line for the VRF systems, please provide diagrams showing the line sizes and routings	Per the schedule, "REFRIGERANT PIPE SIZES AND ROUTING SHALL BE BY MANUFACTURER. LAYOUT ON DRAWINGS IS DIAGRAMTIC AND TO SHOW INTENDED SYSTEM ZONING."
27	The TP-25 trade specific scope of work, notes 2 and 3 call for TP-25 to provide conduit.	See question #118. TP-24 to provide raceways.
28	The TP-24 scope of work says to provide the conduit for low voltage systems as well. Please confirm that TP-24 is responsible for all conduit for the telecommunications system.	See question #118. TP-24 to provide all conduit for the structured cabling contractor. TP-25 to furnish and install structured cabling.
29	TP-25 trade specific scope of work note 4 calls for TP-25 to provide ground bars. TP-24 scope of work, note 162 says to provide grounding bars as well. Please confirm that TP-24 is providing all ground bars.	TP-24 is to provide grounding bars for telecommunications services. Grounding and bonding of ladder racks, cable trays, low voltage racks, and structure etc. are to be furnished and installed by this contractor. Grounding wire shall be installed in a neat and workman like manner.
30	What are the telecommunications requirements for the AV racks? The AV details do not show any telecommunications cabling to the racks/network switches.	A single 12 strand OM4 fiber optic cable will be required from each AV rack to the nearest IDF/MDF. The cable is to terminate on an LC splice cassette in a CCH housing within the IDF/MDF. Within the AV rack, the cable is to terminate in a pigtailed LC SPH housing. The cable may is to be routed to the IDF/MDF in dedicated 1" conduit or in 1/2" innerduct within the cable tray.
31	Please confirm that TP-25 is not required to provide AV package.	All AV equipment will be provided by the Owner at a later date for installation by an AV systems contractor. TP-25 contractor will provide and install all rough-ins, raceways, and boxes as indicated on the drawings.
32	What telecommunications requirements are needed for the Fire Alarm Control Panel?	A single 6-strand OM1 fiber optic cable will be required for the new Fire Alarm Control Panel to connect it to the Campus Loop. The Division 26 contractor is to provide and install this cable.
33	Have tap fees been addressed? Will there be any new tap fees for sanitary sewer and water, since this is an existing building. Please clarify.	Each trade package is required to include all permits, inspections, and fees required by authority having jurisdiction.
34	1 L2.0.0.: Note #2 refers to pavers over roof deck at North Patio. South Patio shares the same legend hatching without Note #2. Please clarify that waterproofing repairs are only at the North Patio.	See Adenda 3 for clarification.
35	2 L2.0.1: Site walls are in various states of disrepair. Specified restoration includes sounding and removal of damage areas, typically resulting in quantities beyond any estimated amount. For bidding purposes, please quantify SF & depth of repair or provide allowance for this work.	See Addendum 3 for clarification.
36	3 A1.4: Are bidders to carry removal, repair, and replacement of waterproofing for the entire north patio area? Plans appear to show full replacement, but scope and other plan notes refer to "identify leaks" and "repairs".	Plans indicate repairs of plaza and they are only partial repair as indicated in drawings. clarified by addenda 3
37	4 TP-09 #123: Please clarify "testing for their water proofing system". Specifications only require testing site water source. Is the scoped testing above and beyond what is specified? Can this testing be self-performed?	IF testing is performed which is beyond what is specified it is acceptable to self-perfrom this. Depending on the testing it may be required for Pepper's Quality Manager and/or partner from the design team to be present to witness.
38	5 AD1.1A: Note AD157 at south patio states remove pavers & slab, referencing Structural. No structural plans were found. Is this area above tunnel roof currently infill material? Is waterproofing in-place on walls/slab?	
39	6 AD1.1A: TC-09 is scoped to remove all pavers. Is TC-10 to remove slab under pavers at South patio?	Slab under the pavers is to be removed by TP-09.
40	7 A3.4: . Are pictured repair areas the extent of work? Are grid lines North or South Face? For bidding purposes, please quantify SF and depth of repair or provide an allowance for this work.	Design team doesn't do work take-off, field verify.
41	8 Details 10/A8.6 & A/S4.3: Structural notes area behind new wall/under slab to be "open". Architectural shows this area insulated and backfilled. Please clarify which is correct.	clarified by Addenda 3, no fill is present.
42	9 TP-09 #45 & 46: Is this contractor to provide PCC with LEED documentation only or provide further LEED management?	LEED Documentation only is required
43	10 TP-09 #48: Please provide hopper size and if any additional functions are required (e.g. such as self-dumping).	Please provide self dumping Lull attached hopper as Uline H-8929BLU or similar to.
44	11 TP-09 #49: Please clarify equipment style of "street cleaning truck". Must the sweeper have vacuum capailities in addition to broom?	Bidder to provide a truck designed to sweep the street. This is not to be a skid steer with attachment, or equipment with attachment.
45	12 TP-09 #136: Scope states "all LX.X.X" items. Is this to be all items aside from concrete paving and slabs (TP-10 #85)?	Yes, All landscape drawing items is to be within TP-09 except cast in place concrete. Concrete footings and foundation walls for benches are in TP-09.
46	13 TP-10 #126 reads "\$\$\$", Is there a specific dollar amount/allowance intended to be included for this item?	Anywhere digging, excavation, and demo occurs GPR will be required. To confirm locations of utilities. For PVC pipes that are unidentifiable, traceable rodder locator may be required. See Exhibit Q for further check list requirements for sitework.
47	14 Which TP is to install "sleeper" slabs under unit pavers (F&G/L6.0.1.)?	TP-10 is to install complete unit paver system, which includes sleeper slab.
48	15 TP-11 #36: Is this scope to include fence post footings or fence material and install only?	TP-10 to pour footings and set anchor bolts provided by the steel contractor. TP-11 to install fencing.
49	16 TP-09 #133, 149, 183, 263 & TP-17 #77, 92: Which TP to carry pressure washing of exterior? Are both required? Is TP-17 prior to paint and TP-90 at final cleaning?	TP-17 shall pressure wash the entire building prior to paint and prepare substrate per manufacturer's recommendations for proper adhesion.
50	17 TP-09 #279 & TP-17 #77: Which TP to carry interior concrete cleaning and sealing scope?	Concrete cleaning and sealing is to be completed on surfaces by TP-17. Shotblasting/ Sandblasting is to be completed by painter prior to start of framing.
51	18 TP-09 #272 & TP-15 #90: Which TP to carry spray foam insulation scope?	TP-15 is to carry spray foam insulation, not TP-09.
52	19 TP-09 #90 & TP-15 #107: Which TP to carry blocking at window sills, jambs, headers? Assume this is all areas of glazing?	TP-09 is to carry the blocking at window sills, jambs, headers, and glazing areas. See attached highlighted detail sheet as reference.
53	20 TP-09 #228 & TP-11 #18: Which TP to carry steel install scope?	Furnished by steel, installed by General Trades. See attached highlighted detail sheet as reference.
54	21 TP-09 #269 & TP-10 #84: Which TP to carry MEP pads?	TP-09 is to install the MEP Pads.
55	22 F / L6.0.1 - Please clarify the intended spacing of weep holes	24" O.C. at low edge of slab only
56	23 Pervious concrete mix design appears to be absent from 321313 spec section. Please provide gap graded mix.	Will provide in Addenda 3.
57	24 A / L6.0.1 Requires 24" DGA under light duty pavement. Is this correct?	Note is incorrect, revised to 4" DGA in Addendum 3
58	25 Note 7/L2.0.0 indicated North East stairs to remain, whereas sheet AD1.1A indicates this area to be demolished. Please clarify.	Clarified by Addenda 3. Additional stair demo is required.
59	26 Please confirm 3D modeling is not required of trades with no installation of utilities or mechanical/electrical pathways	Please reference exhibit I for additional information.
60	27 TC10 item 129 references CDOT permitting. Please clarify.	Disregard this line item.

CCK-2590.2-3-25 Whitehall Classroom Building Trade Package Question and Answer Log Question Deadline 11/12/2024		
#	Question	Response
61	28 Spec 321313 appears to lack information regarding the type of aggregate to be included in exposed aggregate paving. Will the spec be updated?	Exposed aggregate: selected hard, durable, washed, free of materials with deletrious reactivity to cement or that cause staining. From a single source, with gap graded coarse aggregate 3/8" nominal size. Intent to match existing pavement that remains.
62	29 L2.0.1 - Please clarify the significance of the dimension strings and dark hatches along the exterior site walls in plan view. Is hatching indicating the specific / isolated areas to be addressed for repair?	Refer to addenda 3 for clarification.
63	29 Please clarify TC10 item 37. Is SS handrail provided by TC10?	
64	1. Spec Section 084413, 2.6G & 2.6H - Call out channels (ornamental) and Fins (ornamental). Where are these on the drawings.	Deleted by addenda 3 in this specification only.
65	2. Spec Section 084413, 3.4 - Will there be three (3) air and water testing by independent testing consultant or just water test per 501.2 or both?	size listed in Addenda 3 on sheet A4.1.
66	3. Metal framed skylites - Do we have size for bidding purposes?	Clarified by Addenda 3.
67	4. Spec Section 057000 - Will there be mock-up required as called out 1.4E?	Deleted by addenda 3.
68	5. Please provide Frameless Mirror Specs.	No mirrors on project.
69	6. Is composite metal panel system (Item #51) part of TP-14?	The metal wall panel system and and perforated wall panel systems shall be furnished and installed by TP-15.
70	7. Will boom lift (60 ft.) be allowed on North and South Plaza Levels?	
71	8. TP-14 lists 055213, 055214 and 057313, is this part of our trade package?	Coordination with Division 5 contractors as required for handrails requiring glass and glazing. Steel handrails are by Div. 5 Contractor, glass in handrails is furnished and installed by this contractor. Reference project documents for further information.
72	9. Spec Section 081416 Flush Wood Doors calls out 2.5C - Factory Glazing. Is this correct and be excluded from TP-14?	Exclude glazing only where identified to be factory installed in wood doors. All other locations shall be furnished and installed by this contractor.
73	Based on the plans and specs, there are a few items that are not clearly indicated either on the plans or the specifications. -Are balancing valves required for reheat coils, or just ball valves? oSpecification 232114-2.8 balancing valves but M7.1-8 Details do not show balance valve -2 reheat coils are not labeled on page M3.3. (Around B/C 43 & B/C 75) -2 VAV boxes are not labeled on page M4.3. (Around B/C 43 & B/C 75) -Not all piping sizes are labeled. Is there a runout chart to be used for hook up kit sizing? Are the kits intended to be line sized vs coil sized?	There will be a control valve and a ball valve, additional balancing valve that was shown on detail has been removed. Hydronic and HVAC sheets have been updated for addendum 3. Hydronic piping sizes have been updated. Should be line size to the coils.
74	Please help me clarify something on the bid form referencing Metal Pan Stairs (for breakouts). All the stairs the way I'm reading in the plans are that all the stairs are cast in place concrete stairs. Did I miss something, or do I not have the correct drawings?	Pan stairs are not included in this project.
75	What Trade package is responsible for the 'Rescue Assistance Signal System', as described in Spec Section 275129.13?	This scope of work is listed in Division 27, and is to be carried by The Structured Cabling Contractor (TP-25)
76	Is Trade Package 24 responsible for installing the cable tray in the hallways/open areas?	Cable tray shown in the drawings is to be installed by the Electrical Contractor (TP-24)
77	In the MDF(s) and IDF(s), is Trade Package 24 responsible for the cable tray that is noted to be at 8'-0" A.F.F. (This appears to be the same type of tray as used in the hallways/open areas).	Cable tray shown in the drawings is to be installed by the Electrical Contractor (TP-24)
78	In the MDF(s) and IDF(s), is Trade Package 25 responsible for the installation of the ladder raceway that runs along the tops of the racks?	Ladder rack shown in the drawings is to be installed by the Electrical Contractor (TP-24). All cable tray, ladder racks, or other raceways required for a complete system not shown on the drawings are to furnished and installed by TP-25.
79	From Plan Sheet E7.0, is Trade Package 24 responsible for bonding the ground bars to each other?	The TP-25 contractor is responsible for bonding the grounding busbars for the telecommuniations system.
80	On drawing IC2.01 there are two "Sumps" listed and colored green indicating a Jace control panel. These are later shown as an Edge 10 IP Tridium controller. Can a Johnson Controls IP base CGM controller be used in place of the Edge 10?	Johnson Controls CGM controller not listed as approved controller. Documentation for approval as an equal must be submitted to UK 10 days prior to bid opening date.
81	Do the Sump controllers have to have a BACnet UPS? Can a non BACnet UPS be provided as the JCI IP controller version of a CGM cannot integrate the UPS?	See above. UPS devices are to have BACnet interface.
82	There are IU thermostats shown to be a part of BACnet MSTP daisy chains on the architectural drawings, ie IC3.57. Are these VRF thermostats? If so, is I don't believe these thermostats would be a part of the MSTP daisy chain as shown. They would only be wired back to the VRF central controller. Please confirm.	These thermostats are for the mini-split systems.
83	Does the refrigerator in room 111 need just the refrigerator temperature monitored or both the refrigerator and freezer sections monitored?	This is a mini fridge under the counter. Only the refrigerator temp is required.
84	Please confirm VFDs are to be furnished by mechanical contractor.	Mechanical Contractor is to furnish the VFD's, Electrical Contractor shall mount and install wiring. Programing VDF is by the mechanical contractor.
85	Please confirm that PU-1 pump VFD has the capability to communicate BACnet.	Owner provided control drawings indicate VFD is an ABB ACH550. Manual shows the standard RS485 interface provides for BACnet MS/TP.
86	Where is the CHWDP sensor to be located?	In existing piping in POT mechanical roombasement. Replacing the existing.
87	Can the CHWDP sensor be tied into the nearest controller and shared over the network to the CHW controller or must it be hardwired back to the CHW?	CHWDP must be hardwired back to CHW.
88	Where is the HWDP sensor to be located?	In shared mechanical room near new HW pumps. Final location to be marked on As-Built.
89	Can the HWDP sensor be tied into the nearest controller and shared over the network to the HW controller or must it be hardwired back to the HW controller?	HWDP must be hardwired back to HW controller.
90	Please confirm occupancy sensors that interact with VAV zones are finished and installed by the lighting contractor.	Yes, occupancy sensors are to be provided and installed by the Division 26 contractor. The Controls contractor is to provide and install the connection to these devices for interfacing with the BAS system.
91	Please confirm that the colored lighting controls are to be BACnet IP and integrated directly by UK. This is shown on IC6.21	Colored lighting will be BACnet IP, controls contractor will need to coordinate integration with electrical contractor.
92	Is the control contractor or Division 26 responsible for installing the CTs associated with the building power meter?	The building power meter and associated CT's will be provided integral to the secondary unit substation being purchased directly by the Owner.
93	Section TP-25 Line 2 states "Furnish and install fiber optic cables in inner duct or conduit raceway". Can armored fiber be used instead of inner duct?	No.
94	Section TP-25 Line 3 States "Furnish and install all the proper size and quantities of conduit per the contract documents and communications utility provider" This is also referenced in Section 24 line 158 where it states, "Electrical Subcontractor to furnish and install conduit (raceways), boxes, and cable trays for the structured cabling system, Access Control and Security System, HVAC Controls System, and AV System". Which division or trade is responsible for Low Voltage conduits, and Cable trays for the structured cabling systems?	See question #118. TP 24 (Electrical) shall furnish and install conduits and raceways and cable tray. TP 25 (Structured Cable) shall furnish and install ladder rack.
95	In Section TP-25 Line 21 also states the Structured Cabling contractor shall install ... ladder racks... Is this the Division 27 contractor or Division 26 contractor.	See question #118. TP 25 (Structured Cabling) Contractor shall furnish and install ladder rack.
96	Section TP-24 Line 161 states "Subcontractor to properly ground all telecommunications equipment including but not limited to racks, cabinets and cable trays/ladders in accordance with manufacturer and EIA/TIA guidelines.". Also on line 162 it states "Provide grounding bus bar in every MDF, IDF, TSER closets and AV equipment storage as indicated". In section TP-25 Line 4 states" Subcontractor to provide a ground bar in order to bond all telephone, communications, server equipment rack grounds in accordance with the contract documents." Who provides the grounding requirements? Please explain the separation of duties.	TP-24 is to provide grounding bars for telecommunications services. Grounding and bonding of ladder racks, cable trays, low voltage racks, and structure etc. are to be furnished and installed by this contractor. Grounding wire shall be installed in a neat and workman like manner. All grounding requirements are to be per the national electric code or AHJ. This includes all required grounding to the structure.
97	Section TP-25 Line 6 states "Subcontractor shall provide a pull string in all telephone and data raceway for use by others." Is this really meant for Division 26 or the electrical contractor that is installing the raceway?	TP-25 to install a pull string at completion of raceway to be used by others. TP-26 to replace string at sleeves and cable tray at the completion of their work for future use.
98	It was mentioned during the Prebid meeting that the A/V bid package/spec would be released at a later date. When will the A/V bid spec's or bid package be released? Will this push back the bid submittal date for the A/V portion?	UK has not provided the release date of the AV package or the their bidding procedures.
99	Which trade is responsible for firestopping around conduit penetrations, sleeves, or openings used for structured cabling?	TP-25
100	Are all conduits for low voltage structure cabling to be homerun to the nearest cable tray? Or do J-Hooks need to be installed to transition cabling from the outlet to the tray?	Yes, all conduits are to be routed to the nearest cable tray. J-hooks are not allowed.
101	For the wireless access point locations where a 5x5 box is needed. What trade or division is to provide this box?	TP-24
102	Can the 24-strand fiber from the MDF 014 to the Little Library 21 be a non-plenum rated cable.	Yes.
103	Has a length been determined for the fiber from the basement MDF 014 to the Little Library or shall the contractor scale the drawing for the length.	Refer to sheet E7.0 for estimated distance of the pathway between the MDF's.
104	Drawing E7,0 shows an existing fiber to be reused from Patterson Office Tower, but a new conduit is to be installed. Does this mean the fiber has to be removed so the new conduit can be installed? What is the plan for this?	No. The existing fiber is currently routed to a different location in the basement. It is recommended that the new pathway be installed first, then the cabling pulled back and rerouted to MDF 016 via the new conduit.
105	Is the plywood and fire-retardant paint for the MDF/IDF be provided and installed by General trades or the Structured cabling contractor?	TP-09 - General Trades
106	Does TP-11 Structural steel need to pick up the steel plates called out on sheet A3.3 (6, 7, 8 /A3.3) or the steel plate called out on sheet A6.1.7 (2/A6.1.7)?	If question is understood correctly this steel if a part of the wood fin system. The intent is the Architectural Wood Working Contractor is to furnish and install steel frame as apart of their fin system. Please see dipicted scope drawings attached for clarification.
107	Sheets A1.1 and A2.1 1/A6.8 ~ Detail – Lighting @ column Base (2/A6.8), Steel angle/bent plate frame shown for lighting, this would not be for the Structural /Misc. Steel contractor, correct?.	Steel frame is by the electrical contractor, see depicted scope sheet included in this addendum.
108	Heating water pipe is specified as copper up to 6". Chilled water specifies victolic for 2-1/2" and larger, and below 2" as copper. Please confirm this is correct.	Hydronic pipe specification has been updated in addendum 3.
109	The design intent is unclear on the north side exterior under-slab system. Sheet A1.4 shows section details #2&3, but where those details apply is not clear. 2&3/A1.4 don't match what is depicted on 2/A8.7. Please clarify.	Locations marked and details modified as clarification.
110	Sheet L4.0.0 Note 3 seems to refer to north exterior area as existing exposed agg concrete to be demolished and replaced with matching exposed agg pavement; L2.0.0 note 2 refers to area as large format concrete pavers to be demolished; Detail 2/A8.7 implies the area is terrazzo pavers. Does TC09 owe the demo of the north area regardless of whether it is concrete or paver? Does TC10 owe the installation of new exposed agg surface, regardless of the original material? (When I walked the site today I would have sworn that material was not pavers, but I've been wrong before.)	It appears the material is cast-in place concrete. Will be replaced with exposed aggregate UK standard concrete.
111	Stair Nosing 6/A2.6.3 - note 3C reads rubber tread?, appears to be an embedded material. Please confirm intent.	Aluminum stair nosing, will clarifiy by addenda 3.
112	Sheet A3.4 - Which trade scope is responsible for work depicted on A3.4? Also, Note 3 is unused A3.4, is this intentional?	This work is a part of the concrete restoration package, and shall be included in TP-09.
113	We just noticed that there were a few other units as well that do not appear to show reheat coil piping on the piping plans but appear to potentially show reheat coils in the duct plans for the bathrooms. •(4) VAV-5 on M4.1 don't have reheat coils (in the bathrooms).	These are existing to remain units. Outside of the scope of work.
114	Alternate #4 says to eliminate WD-04 wood slatted ceilings in rooms 225, 235, and 335 and replace with ACT-1. On the drawings those rooms show WDC-01 at the ceilings. Should the alternate read to eliminate WDC-01?	Addenda 3 to clarify.
115	line item 49 in our bid package states to "furnish and install glass and glazing along with all required accessories, clips, reglets, etc." What glass are we responsible for on this project? All glass listed in the finish schedule is called out to be by the glazer. Please advise.	TP-12 (Arch. Woodwork) shall furnish and install glass and glazing mounted within the casework.
116	In your specifications standards ALERTON DDC is an acceptable brand to use. Can you confirm we can use this DDC brand.	Alerton controller not listed as approved controller. Documentation for approval as an equal must be submitted to UK 10 days prior to bid opening date.
117	Please clarify information on raceway installation scope of work.	TP 24 (Electrical) shall furnish and install the following items including but not limited to, Conduits and boxes for structured cabling (includes WAPs), Conduit bonding for structured cabling, Bus bars for structured cabling systems, Firestopping for conduits, boxes, and poke-throughs, Grounding/bonding busbar cable connections for structured cabling, and Cable trays for structured cabling. TP 25 (Structured Cable) shall furnish and install the following items including but not limited to, Firestopping cable tray and sleeves, ladder racks, and low voltage racks. TP 23 (Mechanical) shall furnish and install all of their required raceways.

CCK-2590.2-3-25 Whitehall Classroom Building Trade Package Question and Answer Log Question Deadline 11/12/2024		
#	Question	Response
118	Who is responsible for WD-04? It looks like it ties into the WDC-01 in the first floor corridors and per the specs these two items are both from Armstrong and they are to match. I would think that TP-15 would just build this as a system. Please advise.	Trade package 12 shall furnish and install WDC-01 and WD-06 with mounting requirements. TP-15 shall furnish and install WD-03, WD-03A, and WD-04 with all mounting requirements. If surface mounted blocking is shown for any of these wood componets this shall be installed by the contractor installing that wood system. For example, if WD--03 shows surface mounted blocking then TP-15 to mount blocking, and if WD-01 reflects surface mounted blocking then TP 12 to install blocking.
119	Alternate #4 says to eliminate WD-04 wood slatted ceilings in rooms 225, 235 and 335 and replace with ACT-1. On the drawings those rooms show WDC-01 at the ceilings. Should the alternate read to eliminate WDC-01?	includes room 325, Addenda 3 has detailed description of item in Schedule of Alternates issued.

UK White Hall Project

Pepper Construction

11/18/24

Bidders,

Please see the following scope sheets. The attached scopes of work have been modified. If the line item is clouded; an item has been added to the scope. If the line item is red lined out; an item has been deleted from the specific scope of work.

Best Regards,

Pepper Construction Team

White Hall BP-3

140 Patterson

Lexington Ky

Job#: 2300309

General Requirements for All Contractors

Exhibit B1

Base Bid Including Taxes**Safety Requirements**

- 1 Pepper Safety procedures have been reviewed and all necessary provisions have been included in Base Bid.
- 2 To promote safety awareness on our jobsites, Subcontractor may be asked to participate in a site-wide Safety event.
- 3 Subcontractor understands that 100% fall protection, hard hats, protective eye wear, and high visibility clothes are required.
- 4 Include costs for all on site tradespersons to attend an on site safety and code of conduct orientation. Allow a one time orientation of approximately Thirty (30) minutes for each tradesperson.
- 5 The Subcontractor shall submit a daily report to the onsite Pepper Superintendent.
The report shall list the number of workers onsite, equipment onsite, and shall give appropriate details of work completed and milestones reached and, includes any 2nd/3rd tier subcontractors.
- 6 Required Safety Deliverables includes but not limited to:
 - a) Weekly Toolbox Talks (TBT)
 - b) Daily Task Hazard Analysis (THA)
 - c) Time and material tickets signed daily by Pepper Superintendent for any extras
 - d) MSDS and Hazard Communication Program on record in Pepper trailer
 - e) Job Specific Safety Plan Prior to Mobilization
 - f) Up to date Certificate of Insurance
 - g) Competent person, name in writing, on safety plan with 30 hour OSHA training card
 - h) Report all injuries and submit an accident report the day of the incident
 - i) Crane inspection report daily, if applicable
- 7 If the Subcontractor needs to remove safety related measures (i.e. railings, hole covers, roofing rails, etc.) to perform their Work, the Subcontractor shall remove and replace the safety related measures at no additional expense to Pepper Construction. After the Work is complete, the Subcontractor shall immediately reinstall all safety measures to meet OSHA and/or jobsite standards.
- 8 Prior to the start of the Work, Subcontractor is to furnish their Certificate of Insurance, in accordance with Pepper Construction requirements. Should the Subcontractor's insurance requirements not be sufficient, the Subcontractor shall secure additional insurance to meet Pepper Construction minimums at no additional cost.

Insurance Requirements

- 11 Insurance requirements necessary to complete installations are included in base bid. Pepper standard insurance requirements will be required as set forth in Article 10 of subcontract agreement **(Exhibit F)**.
- 12 Each subcontractor shall provide Pollution Liability insurance including but not limited to, building enclosure systems, drywall / insulation, MEP trades and excavating as further set forth in Section F of Pepper Subcontractor Insurance Requirements **(Exhibit C)**.
- 13 Each subcontractor shall provide Network Security and Privacy Protection Liability coverage (Cyber Liability) as further set forth in Section I of Pepper Subcontractor Insurance Requirements **(Exhibit C)**.
- 14 A Certificate of Insurance must be issued to Pepper prior to commencement of work at the site. Identify additional insured as required within Pepper Subcontractor Insurance Requirements **(Exhibit C)**.
- 15 All contractors shall include Payment Bonds and Performance Bonds which shall be included within their base bid. All contractors accessing the any part of the universities network shall include cyber security insurance. All contractors that have site work in which a utility could be struck, is apart of the envelope system, or could produce mold or other airborne spore and or bacteria shall include pollution liability insurance. See included matrix.

Pepper Prequalification

- 18 1. Is your company's prequalification paperwork current?
- 19 2. Subcontractor's financial prequalification rating. (Confidential)
- 20 3. Subcontractor's safety prequalification rating. (Confidential)
- 21 Contracts can not be issued to a contractor until the prequalification process is complete.

General Requirements for All Contractors**Exhibit B1**

All contractor submitting a bid for this project shall have all documents requested by the prequalification process submitted no later than at the time of a post bid review. At the time of contract issuance the prequalification process shall be completed, and any construction delays resulting from approval due to timeliness of submission will be the responsibility of this contractor. If all documents are submitted via the prequalification process seven (7) calendar days prior to post bid review, the contractor will not be responsible for the delay.

Time is of the essence when replying back to prequalification questions, and response times shall be given within 48 hours.

Bid / Contract Documents

EXHIBIT A - Drawing Log

EXHIBIT B - Special Conditions and Scope of Work (this document).

EXHIBIT C - Pepper Insurance Requirements have been reviewed and taken into account when generating the contracted scope of work bid submission.

EXHIBIT D - Trade Partner Safety Handbook. Pepper's temporary power and grounding requirements have been reviewed. No changes or modifications to Trade Partner Safety Handbook are allowed.

EXHIBIT E - Bid Schedule dated 10/17/2024

EXHIBIT F - Pepper's standard subcontract agreement has been reviewed. It will be accepted in its entirety without any changes. Also includes design build rider as it applies to those who will be using design services.

EXHIBIT G - Prequalification Form (complete on-line) including financial statements and safety documents from the last 2 years have been submitted. Any annual prequalification paperwork has been renewed. All required documents shall be received by Pepper Construction on or before the time of post bid review meetings. Damages resulting from this delay will be remedied by this contractor.

EXHIBIT H - COVID 19 Contractor Plan

EXHIBIT I - Pepper's Quality Coordination Guidelines (for all Trades). NO EXCEPTIONS, accept as is, as applicable.

EXHIBIT J - EEO Utilization Report

EXHIBIT K - Coordination Protocol Document (for 3D modeling).

EXHIBIT L - LEED / Sustainability Documentation.

EXHIBIT M - Additional Provisions

EXHIBIT N - Logistics

EXHIBIT O - Tobacco Free Policy and Map

EXHIBIT P - Utility Damage Prevention Plan

EXHIBIT Q - UUDP Excavation Requirements

EXHIBIT R - Bond Forms

EXHIBIT S - Billing Schedule

EXHIBIT T - Scope Details (Issued in Addendum)

EXHIBIT U - Insurance Requirement Matrix

EXHIBIT V - Agreement between UK and Pepper Construction

Exhibit W - Scaffold / Buck hoist

General Requirements

Subcontractor are encouraged to attended the pre-bid walk through and/or visited the site prior to submitting bid.

Pepper or Owner are responsible for the general building permit.

Subcontractor is responsible to complete all the necessary drawings, permit application forms etc. related to this Trades scope of work (such as fire alarm, fire protection, earth retention system, etc.) as required by the authority having jurisdiction.

All plan review and inspection fees for your work will be included with your bid.

This Trade's licenses, business or bond fees are included within their proposal as required by the authority having jurisdiction.

Subcontractor pricing is to include all work that is reasonably inferable from the drawings, specifications and this scope of work sheet.

Each subcontractor has the responsibility to immediately examine the contract documents for errors, inconsistencies or omissions. Any such errors, inconsistencies or omissions shall immediately be brought to the attention of Pepper formally in writing (such as RFI).

Each contractor shall complete an equipment list spreadsheet provided by Pepper Construction to be turned over to UK, which will include the all equipment details and locations installed. The base file can be provided to all contractors upon request. This document is referenced and called the SAP Equipment list.

All sales and use taxes are included.

General Requirements for All Contractors

Exhibit B1

61	All items listed in each scope of work shall be included in your base bid.
62	This contractor shall include all off hour or weekend work when working on or tying into systems supporting other facilities that will impact the owner, or impact the normal operation of the constructions site.
63	Full time supervision is included for this scope of work. Subcontractor also includes full time supervision while any of their 2nd/3rd Tier Subcontractors are onsite performing their scope of work.
64	All contractor are responsible for coordinating with their sub contractors to coordinate site visits and coordinate site logistics.
65	All demolition tasks listed within the contract documents shall be demolished by each trade for which the demolition task is associated with, or as required to install work relating to your scope. Materials and equipment shall be completely removed by this contractor including all associated system parts as required.
66	a. As example Demolition of flooring materials is to be completed by flooring contractor.
67	All clean up associated with this scope of work is included and shall be taken to a dumpster provided by the General Trades Contractor on a daily basis is included or after each task. Each Contractor shall have 1 broom readily available for each crew, and one 2 trash carts.
68	All Trades shall review the complete set of contract documents for an understanding of complete scope of work and how it relates to other trades, and for coordination. Each trade package may be shown across multipole sheets and divisions.
69	Each contractor shall perform daily cleaning in their work area and after each activity. All materials shall be removed and taken to the appropriate trash dumpster by each contractor.
70	Each contractor shall patch all partitions both horizontal and vertical with fire stopping or acoustical sealants to match the rating of the wall.
71	Work on each floor will be underway simultaneously, and each contractor shall provide at minimum one crew per floor, and one crew per task.
72	This trades' company representative will attend all coordination meetings and prepare fully coordinated shop drawings. All cost for engineering, CAD drafting and plan reproduction will be included. 3d Building Modeling will be used for this project and all contractors are responsible for obtaining the correct software licensees, as well as updating the model. The Coordination of this project will be led and coordinated by the Mechanical Contractor.
73	All layout associated with this scope of work has been considered and is included in the base bid. Control points or bench marks to be established by Pepper or General Trades Contractor.
74	Project correspondence is electronic based. Subcontractor and onsite foreperson to have electronic access for current contract documents. Subcontractor is to provide their on-site foreperson with an iPad or tablet to access current contract documents in the field. Submittals and RFIs are to be submitted to Pepper Construction through Procore.
75	All required sleeves, cores, box outs, and saw cutting will be indicated on shop drawings for Structural Engineer's review prior to placement or cutting. Shop drawings shall indicate location and size of cutting, along with the detailed location of concrete scanning completed by this contractor.
76	All required concrete penetrations shall include concrete scanning which shall be submitted to the structural engineer in shop drawing form prior to coring. Each contractor is responsible for concrete scanning and shop drawing creation for their scope of work.
77	Access to the building can be coordinated with Pepper Construction, and will be open at the time of the Prebid Meeting. When reviewing the space Personal Protective Equipment (PPE) will be required including but not limited to hard hats, safety glasses, high visibility clothing, work boots. Each Contractor is required and responsible to access the space which will be available for access and can be coordinated with Pepper Construction, and at the Pre-bid Meeting. Each contractor shall review the site conditions and include within their base bid accommodations to remedy all existing site conditions so their scope of work can be installed per the contract documents and in accordance with the manufacturer's recommendations. This includes but not limited to removal of any existing system, prepping of a substrate, leveling, plumbing, relocations, etc. No change orders will be issued as a result of existing conditions not shown or described the contract documents.
78	Provide the name of the foreperson and PM designated for this project.
79	Any "loud" or "noisy" work must be completed per area of jurisdiction (i.e. City, Village, building rules & regs) noise ordinances.
80	Subcontractor has reviewed the project schedule, logistics/ phasing plane, etc. and has included all equipment required to complete this scope of work. This includes but it not limited to ladders, lift (all types), work platforms, catch decks, etc.
81	Subcontractors shall be responsible for reviewing all substrates and existing conditions where their work is to be installed, prior to starting their work, and advising Pepper of any deficiencies immediately. Start of work by subcontractors on top of or against any adjacent surface means this contractor has accepted the quality and completeness of that surface.
82	Each contractor shall adhere to the University of Kentucky's inclusion tracking in both dollar spend. Each invoice shall include a report of this inclusion tracking.
83	All firestopping materials shall be either an STI product or Hilti product. All other project will be rejected, and if other products installed the offending contractor shall remove and replace at their expense.
84	For materials store off site please refer to the University of KY Standards for billing requirements.

General Requirements for All Contractors

Exhibit B1

85	Each subcontractor shall provide a weekly report that will include a brief summary of work, procurement log, weekly photos, and change order log in a Microsoft editable document. The summary of work can be bullets or a paragraph indicating clearly work completed in each area or zone of work, and 4 weeks look ahead, and to include photos. A template document can be provided to the subcontractor and available at each progress meeting for review. The procurement log shall include each fixture, equipment, materials, product, etc., submitted date, submittal required by date, order placed date, make, model, serial number. lead time, and on site delivery date. A template document can be provided to the subcontractor and available at each progress meeting for review. The change order log shall include Change Order Number, change order title, description of the change order, and reason for change order (i.e. RFI, drawing omission, field directive, etc.) The change order log shall also list potential change orders as well as pending change orders. Unsubmitted Change Order requests shall have a rough order of magnitude listed. A template document can be provided to the subcontractor and available at each progress meeting for review. All the job RFI's, submittals, and meeting minutes will be provided through PCC's project management software.
86	Subcontractor Licensing: Subcontractor or vendor shall obtain and/or possess the Subcontractor Licensing Requirements as dictated by all Local Entities.
87	Subcontractor Permits: Pepper Construction or Owner are responsible for the General Building Permit only.
88	A. Subcontractor is responsible to complete all the necessary drawings, permit application forms etc. related to this Trades scope of work (such as fire alarm, fire protection, earth retention system, etc.) as required by the Authority having Jurisdiction.
89	Subcontractor shall furnish and install all materials that meet or exceed the requirements of the Authority having Jurisdiction.
90	As-builts – Maintain accurate as-built drawings throughout the life of the project. (1) Hard Copy, and (1) one Digital Copy of all As-Builts and O&M are required to be promptly submitted to Pepper at the end of the project. These are to be submitted no later than (1) week after substantial completion.
91	Labor rate and material escalations have been considered and are included.
92	All large deliveries must be scheduled and coordinated with Pepper and the General Trades Contractor. Material deliveries SHALL be in accordance with the project schedule and project logistics.
93	This Contractor will pre-plan and coordinate using the project logistics plan, Deviation and disregard to the logistics plan, prior to consent from the Pepper Site Superintendent, will result in this Contractor being held responsible for repair and remediation to damaged areas.
94	No indelible markers shall be used to write on the wall, slabs, or other building components.
95	The Subcontractor shall check and verify proper subgrade placement of the preceding work prior to installation of his work. Subcontractor shall notify Pepper superintendent of any issues with preceding work prior to installation of own work.
96	Extra Work Authorization / Approval – additional payment for work outside the scope of this contract must have prior authorization from the Pepper project manager and/or superintendent. Upon completion of T&M work, a written material and labor breakdown, signed by the Pepper superintendent must be forwarded to the project manager within seven (7) calendar days.
97	All contractors shall provide street cleaning where entering and exiting the job site where dirt, mud, and all other debris enters the roadway caused by or created by performing this contractors scope of work.
98	Underground Utilities – This Subcontractor shall be responsible to locate and protect any underground utilities prior to the start of your excavation work, this includes all public or private utilities, off-site or on-site. Coordinate location of private utility locates with the Pepper Superintendent. Should any utilities be damaged during work performed under this subcontract, the damage will be repaired or replaced, and the cost borne by this Subcontractor. Also refer to excludes.
99	Where testing is required for work installed under this contract, either by the technical specification sections or the local authority having jurisdiction, it will be provided by this Subcontractor. Re- testing due to improper Work or any special testing that is not normal and is for the specific benefit of the Subcontractor shall be at the Subcontractor's expense
100	COVID 19. Subcontractor is responsible to abide by all current CDC and Pepper Construction social distancing guidelines. If current 6' guidelines require a N95 mask or respirator it is the responsibility of this contractor to provide and distribute said mask to its applicable employees.
101	This project will be governed by the special conditions shown in the agreement with Pepper and UK referenced in the Exhibit V, which is the agreement between Pepper Construction and the University of Kentucky. All terms and conditions listed in this document applies to this contract between Pepper Construction and this contractor.
102	This contractor shall coordinate with Pepper Construction for all required special inspections.
103	All contractors installing equipment shall provide a spread sheet completed by each contractor. The template for this will be provide by Pepper and the contractor shall list out the following information:
104	All contractors are to review Exhibit T (Scope Details) This will be issued in an addendum and be part of your scope of work.
105	All contractors to install mock ups 4 weeks prior to installation.
106	Pepper Construction is to be notified within 5 working days if there is a change in scope. All pricing requests coming from Pepper Construction must be submitted to the Pepper Construction within five (5) business days unless written time extension is provided by Pepper Construction.

General Requirements for All Contractors**Exhibit B1**

107	Restrooms located inside of the White Hall building are not to be used at any time for the complete duration of the project. Temporary toilets will be provided at the exterior.
108	<u>Submittal / Procurement Requirements</u>
109	Complete submittals shall be provided no greater than TWO (2) BUSINESS WEEKS from contract award unless stated below. All submittals must include a high level of detail, appropriate spec section # and be submitted electronically in PDF format through assigned specification in Procore. Physical samples are required for some products and shall be included in addition to the aforementioned electronic submittal. Physical samples and shop drawings are to be submitted within Four (4) weeks of issuance of contract. Submittals shall follow these scheduled unless time extension approval is provided by Pepper Construction.
110	List the approximate lead time for procurement / fabrication in number of weeks, after submittal approval, for the major material / equipment items applicable to subcontractor's trade. Material lead time shall be no greater than two (2) weeks after approval unless noted below.
111	Subcontractor shall be responsible for monitoring and weekly (minimum) updating Pepper on the progress of all material procurement, fabrication, and delivery statuses of their materials and equipment for the project. Failure to advise Pepper on the change in status of their materials or equipment which directly impacts the project schedule shall not be a basis for cost or schedule adjustment, and subcontractor shall be directly responsible for any / all costs incurred as a result.
112	
113	<u>Schedule Requirements</u>
114	Exhibit E - Project Schedule dated 10/07/2024 has been reviewed. All labor and material considerations have been included as part of the base bid noted above.
115	Phasing constraints and multiple requirements are included.
116	Overall construction schedule is 12/2024 to 5/2024. All labor, material, equipment, and escalation considerations have been included.
117	This trade acknowledges that adverse weather conditions shall NOT be the basis for a Claim for additional time or money unless such adverse weather conditions cause significant damage to the work in place as determined by the architect or delays beyond the control of the contractor attributable to unanticipated extremely adverse weather conditions as defined by the Army Corp of Engineers of the five year weather averages of standard climatologically data collected by NOAA for project location.
118	All work within this scope of work may not specifically be shown in the schedule provided, but workflow timing can be determined based upon the activities provided. Multiple trades may require different mobilization of work based on timing of installation and sequence of operations.
119	Schedule Compliance – Schedule is critical on this Project. Should the Subcontractor's schedule slip from the Project Schedule, the Subcontractor will be notified in writing, and within 24 hours will provide a recovery schedule acceptable to Pepper Construction. Should the Work not proceed in accordance with the accepted recovery schedule, Pepper Construction will have the right to take any actions necessary to ensure performance of the Work.
120	All costs required to maintain the construction schedule have been considered and have been included. Subcontractor will guarantee the labor resources to complete the job per the Exhibit E Schedule, or work overtime if you fall behind the schedule at your own cost.
121	All floors and work areas will be on going concurrently for much of the project, it is the responsibility of the contractor to meet all critical dates required and to provide man power accordingly to meet the schedule.
122	Mobilization as required will be included in subcontractor bid. Indicate number of mobilizations included based on Exhibit E schedule.
123	Pepper reserves the right to change or update the project schedule based upon agreed upon dates, or other schedule requirements.
124	Work Coordination – This Subcontractor shall coordinate his work with the work of other trades as necessary to promote a smooth and orderly flow of work and meet the required schedule.
125	Pepper Construction has developed a Master Project Schedule that is included as an exhibit to this contract. Within ten (10) days after award of this Contract, this Subcontractor shall submit a schedule which includes all major work items, milestones, and task dependencies, both inside and outside his Scope of Work.
126	All submittals shall be provided within 10 business days from contract award or earlier if necessary, in order to have the material delivered in time to meet the construction schedule.
127	If necessary to meet the requirements of the schedule, material shall be expedited, at this Subcontractor's cost. Contractors are to notify PCCO of materials with lead times that are anticipated to be longer than 10 business days.
128	The Subcontractor shall work overtime and/or weekends at no additional cost to Pepper Construction to make up for work days lost due to inclement weather. Fridays and Saturday's Only.

General Requirements for All Contractors

Exhibit B1

Weekly Subcontractor Progress Meetings – Subcontractor acknowledges the importance of onsite project meetings and communicating current project status, required subcontractor coordination with other trades, and the size of your workforce required to adhere to current project schedule. Subcontractor Progress Meetings will be held, on a weekly basis and the Subcontractor is required to have a supervisor attend the meetings.

Multiple crews may be required by each contractor to complete and maintain the project schedule. Plan to have one crew working at each floor to maintain project schedule.

Clean up Requirements

All clean up (labor, material & equipment) associated with this trade package of work to a dumpster provided by General Trades Contractor on a daily basis is included in base bid. This also includes daily clean up of lunch and break areas. If lunch and break area are not kept clean this contractor shall take breaks and lunches off site, or clean up of their area will be supplemented and paid by this contractor.

Pepper implements a "NOTHING HITS THE FLOOR" (NHTF) program, which includes the following:

1. Minimize staging of any materials/equipment onsite. Staging of materials shall be limited to a maximum of one week.
2. Any materials staged onsite must be on an OSHA approved mobile platform or pallet with an accompanying pallet jack. Any material staged onsite without a mobile platform will be removed at the subcontractor's expense.
3. All trades are required to put scrap and debris directly into portable trash containers on respective floors supplied by Subcontractor. Subcontractor laborers will empty the portable trash containers at the end of each day to the jobsite dumpster.
4. Any debris found on the floor in the subcontractors work area, at the end of the day, will be photographed and picked up at the subcontractor's expense.
5. Subcontractor will use dedicated cut areas and protect areas from dust and residue.
6. Subcontractor will provide equipment such as vacuum attachments and floor covers. Subcontractor to keep cords off floors.

Subcontractor Includes dust control for your work as a result of your work. This includes, but is not limited to the trades of demolition, site utilities, earthwork, earth retention, masonry, drywall, carpentry, millwork, flooring, finishes, and sitework.

Subcontractor to complete NHTF Subcontractor plan that demonstrates how they will be in compliance with the NHTF program.

Each subcontractor to build, maintain and remove any temporary chop/cut area to isolate all dust when cutting material.

All equipment operated on the building concrete slab-on-grade must be diapered to prevent oil spills.
Tires are to be clean and white or covered.

Pipe threading machines used anywhere on site shall have a diaper or other means of containment to prevent oil or other contaminants off of the floor or concrete.

Logistic Requirements

Freight for materials and equipment required for the contracted scope of work has been included. This includes coordinated delivery with Pepper superintendent, this trade being on-site to accept delivery, unload, and distribute to final locations.

If any material is stored on-site, subcontractor has included coordination with Pepper Superintendent and includes storing material on carts for relocation purposes and has included on-going protection of stored materials and work installed. All deliveries must be labeled with the Job Name and Job Number along with any other pertinent information.

Subcontractor includes all labor and equipment required for the project vertical or other transportation. Pepper will not be responsible for any of subcontractors labor, material and equipment.

This trade includes all cleaning of streets and of adjacent areas due to this trades work and associated delivery trucks. Cleaning to be performed on a daily basis at minimum. Subcontractor to provide cleaning multiple times a day as required.

Subcontractor to provide flagman for all trade events that require entering and/or exiting the site including deliveries, hauling, etc. Additional flaggers may be required pending the extent of the shutdown, and will be included in this contractors bid.

Trash Removal: Daily trash removal from all construction areas, for the contracted scope of work, to a project-supplied dumpster has been included. Two warnings will be given this subcontractor.
Should a third warning be issued, Pepper Construction will supplement a laborer to clean up materials/trash. This cost will be borne back to this subcontractor.

Manpower / Equipment: Subcontractors shall include all manpower and equipment necessary to receive & unload and stock materials required for the contracted scope of work. Pepper Construction will not accept deliveries on behalf of Subcontractors.

On-Site Storage/Deliveries –Materials shall be delivered as-needed by using Just In Time Delivery planning and coordinated with Pepper's Superintendent.

General Requirements for All Contractors

Exhibit B1

150	Site Restrictions/Access – The Subcontractor shall confine his operations, equipment, and manpower to the site limits of this Project and/or as described by Pepper's Superintendent. All construction access to and from the site must use the designated access point(s). This Subcontractor will pre- plan accordingly and the team (Pepper and Subcontractors) will agree to a logistics plan and identify traffic patterns for access to work. Deviation and disregard to the agreed upon plan, prior to consent from the Pepper Superintendent, will result in this Subcontractor being held responsible for repair and remediation to damaged area(s).
151	Contractors using an on site office in existing facility shall restore the facility to original condition.
152	Protection of work – This Subcontractor shall be fully responsible for restoration to the work of other trades damaged by their employees. Subcontractor shall be responsible for all costs associated with the repair or replacement of its own work and/or the work of others when the Subcontractor or any of its agents, employees, suppliers causes such damage.
153	Flagmen: Subcontractor shall include the necessary flagmen and traffic control to facilitate the delivery, unloading, and removal of any items associated with this scope of work as deemed necessary by Pepper Construction Company or the Local Entities.
154	Roads/Parking Lots – All vehicles must enter and exit at the construction entrance and take appropriate measures to keep mud and dirt off of the streets. If this contractor's vehicles track mud onto the public streets, this subcontractor is responsible to clean it up immediately. Pepper Construction to provide stone access drive.
155	Staging: Staging of all equipment and materials must adhere to the Logistical Plan provided by and/or developed with Pepper Construction.
156	
157	<u>Quality Requirements</u>
158	Subcontractor has included all coordination hours as required to complete scope of work that is fully coordinated.
159	Subcontractor will review and sign a contractor agreement of electronic documents from the architect and engineer and will agree to all terms. The owner, architect and engineer are NOT responsible for any issues related to the subcontractor's use of the electronic information provided for bidding or coordination purposes.
160	All contractor shall complete a log of equipment furnished or installed by this contractor. The log will be provided by UK, and will require all information about the equipment including but not limited to location of installation, make, model, serial number, sizes, etc.
161	Coordination to include egress considerations for future equipment replacement and/or maintenance. (i.e. getting equipment in and out of building / roof.)
162	Each MEP-FP subcontractor shall field verify and accurately coordinate the locations of the existing MEP-FP systems. All subcontractors must coordinate all remaining components within the coordinated footprint.
163	Review and incorporation of any necessary phasing of MEP-FP systems to ensure ongoing building functions as required. (i.e. fire alarm system, mechanical distribution, sprinkler system).
164	All Trade Partners awarded subcontract agreements shall prepare and submit a Job Specific Quality Plan (JSQP). The Trade Partner JSQP shall incorporate all facets of the construction process from design/engineering to closeout. Submit to Pepper prior to starting work. Regardless of the contractors completion and submission of a JSQP, all contractors are expected to perform their work to the highest industry standards.
165	Subcontractor is to participate in a quality pre-installation meeting prior to mobilization. This meeting will include subcontractor foreperson, subcontractor project manager, and Director of Quality/Pepper Project Manager. Any action items generated during the pre-installation meeting will be completed before start of work. Subcontractor to strictly adhere to the Pepper Quality Program. Each meeting is conducted based on scope of work, and not by trade partner. A trade partner may be required to attend more than one meeting.
166	REFERENCE - EXHIBIT I - Pepper Quality Coordination Guidelines (for all Trades). NO EXCEPTIONS accept as is, as applicable.
167	Complete the Pepper standard trade item checklist for your scope of work in preparation for the pre-installation meeting.
168	Participate as required in all Pepper Quality Reviews and construction progress reviews.
169	The Pepper jobsite staff conducts routine quality inspections to review work-in-place, first work, substrate, etc. for conformance with the plans, specifications, submittals, manufacturer's requirements, and industry standards. The project team will maintain a quality log tracking in real time the status of both conformance and non-conformance items identified during the inspection. Pepper's Project Team will review any non-conforming items with the project Foreman. Resolving issues quickly, before they are covered up, will be essential.
170	If defects or deficiencies are discovered, Trade Partners are required to provide an initial assessment of the defects/deficiencies within two (2) days, and within seven (7) days Trade Partners shall implement a plan to correct the defects/deficiencies. Trade Partners shall provide photo documentation of the defect/deficiency repair to Pepper. Trade Partners that repeat issues or otherwise demonstrate a lack of expertise or understanding, will be required to participate in any training deemed necessary by Pepper's Director of Quality Management to bring the Trade Partner expertise to a level that will enable them to comply.

General Requirements for All Contractors**Exhibit B1**

171	Review and take action on Quality issues brought up by Pepper, Owner, Architect, and Engineer to comply with the contract documents and proper installation per industry standards or Manufacturers' recommendations. If the industry standard, manufacturer recommendation, or contract documents conflict this contract shall notify Pepper within 3 calendar days of the discovery of the conflict.
172	Participate and complete Pepper's above ceiling pre-punch list before formal punch list review is complete by the architect / engineer.
173	Participate and complete Pepper's in wall pre-punch list.
174	Participate and complete Pepper's architectural pre-punch list.
175	Subcontractors shall verify the design documents and notify Pepper Construction and/or design team of inconsistencies as the drawings are schematic in nature, and it is the responsibility of the contractor to verify and coordinate a proper installation.
176	Pepper's Quality field review may involve destructive testing of small samples of installed work. Include patching of these samples. If the installation is defective, the subcontractor will correct the problem at their own cost.
177	Provide mock ups as specified
178	Provide constructability mock ups for quality and field coordination purposes. (First in place mock up OR mock up for removal by this trade) All mock ups listed in the specification are required by this contractor.
179	Subcontractor to take weekly installation progress photos, including key milestone items, which will be made available in .JPG format upon request.
180	Plan for Multiple iterations of the punch list may be generated and distributed by CM, Design Team, and Owner. All punch list items are to be closed out within 5 workdays of receipt of punch list. More time will be granted if approved by Pepper Construction.
181	
182	<u>Financial Requirements</u>
183	Identify all second tier subcontractors. Lien waivers to be provided for each payment request.
184	A pending change request (CR) log shall be submitted electronically by the subcontractor to the Pepper Project Manager at the time of each monthly payment application submission. Receipt of such log does not imply acknowledgement or approval of identified CR's but rather that such CR's have been submitted for review. Monthly progress payments may be delayed or withheld by Pepper if such pending CR log is not timely provided by Subcontractor to Pepper. For any costs that are not finalized, Subcontractor must submit a rough order of magnitude for each change order item on the log.
185	Subcontractor to complete the Pepper labor rate sheet for the current year prior to a contract being awarded to your company.
186	All Overhead, profit, taxes, etc. are included in your base scope of work. Allowances are to be cost of work only.
187	Change Order Analysis must be submitted with each PCI (potential cost item), utilizing labor rates as indicated within labor force rate sheet submitted to Pepper, and utilizing the allowable mark ups per Owner contract or Subcontract Agreement (if they differ; the more stringent supersedes) as summarized below:
188	A. For work performed by sub's own forces: 5% for OH and 5% for profit
189	B. For work performed by sub's subs (2nd tiers): 0% for OH and 5% for profit
190	C. For material and equipment, mark ups can be no greater than 5% mark up
191	All allowances shall be approved by Pepper prior to usage.
192	
193	<u>3D Modeling / Coordination Requirements</u>
194	Exhibit I - Pepper Quality Coordination Guidelines has been reviewed and taken into account.
195	Exhibit K - Coordination Protocol Document has been received, reviewed and subcontractor understands the roles and responsibilities associated with this document.
196	Subcontractor has included all coordination hours as required to complete scope of work that is fully coordinated.
197	For bid comparison purposes, indicate the dollar value for coordination.
198	For bid comparison purposes, indicate the MH's included for coordination.
199	Coordination meetings include but are not limited to: a. One (1) in-person coordination meeting and (1) Virtual Meeting per week. b. All meetings will be working meetings and the trade's coordinator will be required. c. Coordinators are required to make changes to the model during the meetings and post multiple NWCs (coordination files) per meeting. d. A kick off meeting to review 3D modeling protocol for this project.

General Requirements for All Contractors**Exhibit B1**

200	Coordinator responsibilities include, but are not limited to, the following: a. Be the authorized decision maker of specific trade. If not, the authorized decision maker to be present at each meeting. b. Clear clashes outside of the Pepper coordination meeting. c. Resolve any issues from prior week's coordination meetings. d. Review & coordinate designated agenda items in advance of weekly Pepper coordination meeting. e. Issue any pertinent RFI's in ongoing manner for resolution and/or direction. f. Understand and accept that failure to actively seek and complete the above items may result in back charges from Pepper and other trades.
201	At a minimum 3D Coordination will be utilized for the complete coordination, including, but not limited to, the Architectural, Structural, Mechanical, Electrical, Plumbing, and Fire Protection scopes of work.
202	Prior to proceeding with coordination, each subcontractor is required to verify that all architectural and structural details are modeled correctly according to the contract documents. This includes, but is not limited to soffit and ceiling work as well as fire rated partition details.
203	The 3D coordination process requires subcontractors to submit models that represent a complete model of their respective trade without degrading the contract documents or performance of building systems.
204	All subcontractors shall be required to model all access panels and maintenance/service clearances around their respective equipment. Each subcontractor to establish the proper clearances on all sides of equipment for access/maintenance per code requirements. Any trade impeding on the clearances of others shall bear the cost of correction in the field.
205	Subcontractors shall coordinate any Engineer of Record shop drawings comments with the sign off model. Issues must be addressed prior to fabrication and field installation. Any costs incurred as a result of lack of coordination with the sign off model that impact the fabrication and/or field installation shall be born by the responsible subcontractor.
206	Contractors are required to review their respective model content and ensure there are no conflicts with structural or architectural model elements prior to initial submission to Pepper for inclusion in the federated model (i.e. clear all beams, columns, soffits and other structural and architectural components) maintaining all required vertical and horizontal clearances, as specified.
207	Model to include egress considerations for future equipment replacement and/or maintenance. (i.e. getting equipment in and out of building / roof.)
208	Each MEP-FP subcontractor shall accurately model the locations of the existing MEP-FP systems. All subcontractors must model all remaining components within the coordinated footprint.
209	
210	Pull Plan / LEAN Requirements
211	Subcontractor understands that this project uses Lean Construction Principles including Pull Planning and has included all of the necessary time and resources required for full participation in all scheduling activities. Subcontractor understands that they will be responsible for the determination and accuracy of the information that they provide.
212	This project will utilize the Pull Plan Method for project scheduling. In this method, only a milestone schedule is provided by Pepper. Subcontractors will be responsible to coordinate their work with Pepper and each other on a daily basis to ensure that the milestones are met. Subcontractors have a contractual obligation to complete their work per the milestones, but have input as to how this is achieved on an ongoing basis.
213	For each phase plan of the project (interior work, exterior work, 1st floor, 2nd floor, etc.) any sub with work in that area will be required to attend an initial phase plan meeting that should last approximately 1/2 day to set the schedule for that phase. This will be a detailed schedule for each phase. Each subcontractor shall come to each meeting with each task, task duration, crew size, and other pertinent information.
214	At each progress meeting the subcontractors the pull plan will be reviewed for progress of the past week and updates for the next 4 weeks to update the pull plan as needed. This will include a detail schedule for a moving 4 week window.
215	The initial set-up meeting and each weekly meeting must be attended by a minimum of the subcontractor's PM and lead on-site field employee (foreperson, superintendent, etc.) during the meeting a 2nd field employee must be on site to keep the crew productive without bothering those in the meeting.
216	Each morning, the lead on-site field employee will be required to attend a meeting to reconfirm the day's activities with the other subs working in their phase.
217	Should a subcontractor's failure to achieve the dates agreed upon during the weekly meeting be a result of a subcontractor's own actions, that subcontractor will be responsible for payment of the necessary overtime and/or other expenses needed to account for the corresponding time delays. This will be either for actions required by them or by another subcontractor.
218	Subcontractors will all be responsible to coordinate delivery sizes and frequency to ensure that their forces have the appropriate amount of material to remain productive without having so much material on site that it prohibits others with their work.

General Requirements for All Contractors**Exhibit B1**

To assist in this effort, Pepper will maintain a Visual Site Plan that outlines the lay down area for each subcontractor during each week. It is suggested that material that is left to be stored for more than a day or two be left on wheels to allow for easy movement around the site. Each subcontractor will be responsible for relocating their material as the Visual Site Plan is updated.

This project will incorporate MEPF coordination, which will be led, coordinated by the HVAC/Mechanical contractor. All other required coordination weather it is required by the contract documents, or by field coordination is by the individual contractor.

LEED / Sustainable Requirements

This project is currently following the US Green Building Council with the goal of attaining LEED certification. Compliance with LEED protocols will be mandatory.

The project will be a non-smoking project.

EXHIBIT L.1 - LEED Materials Submittal Form. Forms must be submitted with the project submittal for each major material item listed on the Schedule of Values along with the proper manufacturer back-up documents.

EXHIBIT L.2 - Indoor Air Quality Plan. Bid includes the provisions as necessary to comply with the project's Indoor Air Quality (IAQ) Plan - NOTHING HITS THE FLOOR (NHTF). All subcontractors shall provide smoke eaters for all on-site welding work.

EXHIBIT L.3 - Construction Waste Management (CWM) Plan. Bid includes the provisions as necessary to comply with the project's CWM Plan.

EXHIBIT L.4 - Storm Water Pollution Prevention Plan (SWPPP). Bid includes the provisions as necessary to comply with the project's SWPPP.

For all VOC producing materials, including but not limited to duct sealants, caulks, adhesives and paints, the VOC limits cannot exceed those referred to in the LEED requirements for this project.

MEP-FP Subcontractors must complete pre-functional checklists and assist the commissioning agent (CxA) during compliance testing.

Subcontractor has included provisions as applicable to this trade to comply with the credits being pursued in the LEED project checklist. (Checklist available upon request).

Diversity / Residency Participation

Diversity contract participation is a contract requirement or strongly encouraged in accordance with ~~the contract documents (10%)~~. Please list any 1st or 2nd tier subcontractors whose participation you are including in your bid.

Provide breakdown of overall XBE percentage and dollar amount for each. Diversity contract participation goals for the project are ~~10% or 10% (MBE/WBE%)~~, however it is encouraged that subcontractors exceed these amounts.

Subcontractor to provide XBE certification letters prior to award of subcontract.

Provide the percentage of contract participation amounts included in this bid:

a. MBE participation percentage in this bid.

b. MBE participation dollar amount in this bid.

c. List the MBE firms included in this bid.

d. WBE participation percentage in this bid.

e. WBE participation dollar amount in this bid.

f. List the WBE firms included in this bid.

Hoisting

Landing platforms must be utilized to stock material on multiple story buildings. Materials may not be "pulled" onto floors. Utilize buck hoist located on the site.

Material & equipment hoisting will be included with your base bid. Pepper will not be responsible for hoisting any of your equipment.

Each trade contractor is responsible for loading and unloading materials and all required man power and equipment. Each contractor is also responsible for all required rigging, hoisting, moving, lifting, etc. required to get materials and equipment to work area and installing.

For any crane lifts, schedule in advance with Pepper superintendent and Owner as required. Crane lift plan and safety meeting to be scheduled and held in advance of lift.

For projects within a 5 mile radius of an airport, this subcontractor shall submit all required FAA notifications/ approval for onsite crane use, as required. Note: FAA approvals may take 30-45 days.

Closeout

General Requirements for All Contractors Exhibit B1	
259	Provide As-builts in latest version of Revit, AutoCAD and PDF as specified, as required. This Trade to utilize most current drawing issuances for as-builts.
260	Provide labor and material warranty letters as specified, as required. One (1) year warranty period from substantial completion date per Subcontractor Agreement or Owner Contract (if they differ, the more stringent supersedes). If the specification dictates, a warranty longer than one year, the specification will supersede.
261	Commissioning shall be completed within 1 week of substantial completion.
262	Provide special warranty documentation, in writing, applicable to this trade as specified, as required.
263	This contractor shall submit a completed close out document containing all the documents required by the specifications and contract documents at 75% of the completion of work. Pepper Construction will notify contractors of timing of this, however it is the responsibility of each contractor to produce these closeout documents upon billing 75% of their work.
264	Supply O&M manuals and owner training session/s as specified, as required.
265	Any testing required by local authorities or testing agencies is included in your bid.
266	Provide all factory authorized start-up as specified, as required.
267	Provide Revit (or other native file) and Navisworks (.nwc) files that represent as-built conditions (For 3D projects only)
268	Submit COBIE data as specified, as required. (For 3D projects only).
269	

Pepper Construction Company

White Hall BP-3

140 Patterson

Lexington Ky

Job#: 2300309

TP-09 General Trades

Exhibit B

TRADE SPECIFIC SCOPE OF WORK

Exterior Scaffolding

This contractor shall furnish, and take over existing scaffolding and buck hoist system in place and maintain, and remove scaffolding system and buck hoist system by American Scaffolding, Inc.

This contractor is to provide onsite maintenance for existing onsite scaffolding and buck hoist, all responsibilities of this system shall be included as mentioned in this scope of work. Contractor will coordinate with the installing contractor to transfer purchase order after BP-3 is awarded. All costs, fees, and incidentals et. resulting from the transfer shall be included. This contractor shall assume payment of scaffolding and buck hoist system from December 2024 through the end of construction (18 mos). If the scaffold is removed prior to substantial completion, the remaining balance will be deducted from the contract.

This contractor shall perform all maintenance, testing, and required safety inspections at intervals as directed by OSHA.

This contractor shall provide all equipment, equipment operator, and personnel required for the removal of the scaffolding and buck hoist system. Electrical contractor shall disconnect power.

This contractor shall make all patches and repairs to match the new or existing conditions in a manner that is suitable and acceptable to the University of Kentucky and their representative, and Pepper Construction.

This contractor shall provide trained and certified primary and alternate operator of the buck hoist for the duration of the project (18 months) and/or while the buck hoist is in use. If scaffolding system is removed sooner, then funds will be reimbursed to the project by this contractor.

This contractor shall provide Buck hoist operation each working day at 7:00A till 3:30P, or unless otherwise directed by Pepper Construction Superintendent.

If the hoist fails to the point of non-use and the contractor is unable to have it operation in 3 calendar days, Pepper Construction reserves the right to remove the non-operating hoist and replace with another hoist at this contractor's expense.

This contractor must provide an onsite technician within 3-8 hours of notification of hoist malfunction.

This contractor shall obtain all required insurance certificates for hoist operation. All required OSHA testing and requirements shall be provided by this contractor.

This contractor shall patch all anchor holes left by scaffolding system, and shall be installed in a manner which is to be approved by Architect and Owner.

Interior Scaffolding

This contractor to furnish and install scaffolding on level 1 in rooms 106, 108, 110, 104, 102, 112 with the top of the walk platform to be at Elevation 100'-0" referenced on Elevation 1 on A3.1. This scaffold shall cover the entirety of the room for trades to access ceiling space.

This contractor to provide scaffolding in rooms 104, 106, 110, and 114 at the same time, for use in above ceiling installation access areas for all trades. All scaffolds are to be built for multiple trades to use simultaneously for work and materials, lifts will not be used on scaffolds. As directed by Pepper Superintendent this contractor shall deconstruct two rooms and move the scaffold platform to the remaining rooms 108 and 112. In rooms 108 & 112 the intent is for the contractors to gain access to the ceiling and ceiling spaces using ladders only. Per the direction of Pepper Superintendent this contractor is to remove a section of scaffolding around the boarder so that wall panels can be installed. Scaffolding for each room to be 16 weeks each.

This contractor will ensure that the top of this interior scaffold system shall be at the same elevation of the corridors (Lobby 100B & Lobby 100).

This contractor shall furnish and provide all equipment, labor, materials, etc. to install, maintain, inspect, relocate, modify, and remove this scaffolding.

This scaffolding shall have and maintain all handrails, fall protection, toe boards etc. so that is built and maintained by OSHA standards.

General Labor

This contractor shall provide a qualified superintendent who is empowered to make decisions and coordinate their field staff as well as coordination with Pepper Construction and other trade partners. This person shall be competent in reading contract documents, and have the OSHA 30 Certification.

Pepper Construction Company

TP-09 General Trades

Exhibit B

This contractor is to provide 2 laborers dedicated to the project full time, 40 hrs/wk for 18 mos. for cleanup and general labor as directed by Pepper Construction Superintendent. These two laborers are to be assigned to the Pepper Construction Superintendent, and are not to be used to perform or supplement other scope or tasks listed herein.

This contractor to provide 2 1 yard gondolas per floor (or known as trash carts) along with brooms, shovels, dust pans, etc. required for general site cleaning. All equipment shall be maintained, repaired, and replaced as needed. Brooms heads shall be soft bristles when sweeping on finished surfaces, or surfaces with final product installed.

This contractor is to furnish and maintain (4) four 50-gallon trash cans on wheels per floor. Replace as needed throughout construction.

This contractor to remove all light pole bases. Light poles removed by others first. Backfill by this trade upon removal.

This contractor shall provide dust down cleaning compound or similar for general purpose sweeping and cleaning for dust control.

This contractor shall confirm final flooring product is compatible with the dust down product.

This contractor shall furnish and maintain handwashing station at the first floor level for the duration of the project.

This contractor shall provide a water clean up kit from Uline (S-23405) or similar to, and shall be stored and turned over to Pepper Construction.

This contractor shall furnish and turnover to Pepper Construction 6 pack of construction radios, DeWalt DXFRS800-BCH6 job site radios with ganged charger.

Safety

This contractor is to furnish 10 rolls of 3" x 500' of red reinforced tape labeled Danger. Product to be similar or equal to Uline Model S24494.

This contractor shall furnish and install temporary Fire Extinguishers with stands and identification on each floor at locations and travel distances as per OSHA standards. All fire extinguishers shall be 20lbs ABC rated and provided with red colored stands with proper labels. Contractor to conduct monthly tagging and inspections of all fire extinguishers. Fire extinguishers shall be tested and inspected yearly.

This contractor shall furnish and install 100' of temporary safety railing on the roof. This system on the roof shall be the Safety Rail Company SRC360 Mobile Rail in safety yellow, and shall include all railings, bases, and accessories for a complete system. Following the completion of work on the roof, this contractor shall remove railing system, stack neatly and turn over to Pepper Construction to remove from the site.

General Requirements

This contractor shall maintain and replace as needed all site fencing along the perimeter of the construction site. Maintenance includes but not limited to: Winterization of barricades, repair and securing fence screen so no loose ends are flapping, falling, or fly away. Relocations and adjustments are to be provided as required by the PCC. Replacements of fence shall maintain compliance with the UK Special Conditions Requirements. Gates shall be maintained and in proper working order and shall be securable at all times. Means of locking and securing shall be provided by this contractor at all times.

This contractor shall include a \$10,000 for internet infrastructure to be paid direct by this contractor to UK.

This contractor shall include in their proposal \$3,500.00 for landscaping equipment to be purchased at Peppers direction to maintain the exterior site areas. This contractor shall provide labor for lawn cutting at minimum one time per week which will include, weed eating, mowing, and blowing off walk ways. This work is limited to within the inside of the site fence.

This contractor shall also provide the labor, equipment, and materials required for winter weather removal as required by weather conditions within the bounds of the construction fencing. This includes but not limited to all snow and ice removal, snow melting materials, shovels, equipment, labor, materials, etc.

This contractor shall provide required labor to relocate rubbish/trash generated by UK into UK's dumpster. This dumpster will be provided directly by UK. This contractor shall furnish and maintain (2) two, (1) one yard gondolas to be dedicated for the use by UK.

This contractor to provide the labor to relocate the trash from the existing building to the dumpster located on Patterson.

This contractor will provide a complete deconstruction of all fencing systems including but not limited to: fence screen, fence panels, jersey barriers, gates, sleeves, etc. This will be directed by the Pepper Construction Management team, and removed from the site by Pepper Construction.

This contractor will repair all holes in the existing exterior concrete or asphalt. The system shall be properly patched to match existing system. Completion in the patch shall match in color texture and installation methods. This contractor to visit project site prior to submitting bid to confirm site conditions.

This contractor shall Furnish and provide operator for a 5, 000LB Telehandler similar to the GTH-5519 also furnished by this contractor for 18 months. Operator will be provided on an as needed basis as requested by the Pepper Construction management team for the duration of the project. All maintenance, insurance, fees, inspections, and fuel will be provided by this contractor.

This contractor shall supply Eight (8) temporary toilets for 19 months each. Temporary toilets shall be cleaned and maintained weekly.

This contractor is responsible for means and methods to access clean, stock, and maintain temporary toilets.

TP-09 General Trades

Exhibit B

This contractor shall furnish dumpsters for the duration of the project and covers for all dumpsters when not in use. Dumpsters shall be furnished and reported in accordance with the LEED Exhibit - L Waste Management Plan. Consult with Pepper construction LEED Engineer for multipole dumpster requirement for recycled materials and general waste. The site can accommodate 3 containers at a time, Construction and Debris Dumpster, Metal Dumpster, and Cardboard Dumpster. This contractor is to maintain signage on dumpsters for identification.

This contractor shall comply with LEED requirements for recycling and provide all necessary LEED documentation.

This contractor shall provide one (1) trash hopper.

This contractor shall provide street cleaning truck specifically designed for street cleaning once every three weeks, or on a three week intervals. Coordinate with Pepper Superintendent prior to mobilizing street sweeping for timing.

This contractor shall furnish and maintain a minimum of 24(ea) 36" minimum diameter drum fans for general use during the project, repair and replace fans as required. Fans are to be turned over to the PCC Superintendent at the end of the project. This contractor shall be responsible for positioning and moving fans as needed. Provide, maintain, and replace as required extension cords (12) 100' extension cords, and (12) 50' extension cords to go with the fans. Cords are to be 14 gauge min. This contractor to also to provide (10) ten GFI Protected Splitters to allow for 3 fans to be plugged into one outlet.

Misc. Exterior Furnishings

This contractor to furnish and install bike racks. Contractor to coordinate with landscaping and concrete contractors prior to install.

Weather Enclosures

This contractor is to maintain all temporary weather enclosures installed in previous demolition phase (BP-1) with support spacing at no more than 16" and 1/2" or greater Sheeting at all locations where curtain walls, store fronts, and window systems are scheduled for installation along the First, Second, and Third floors. This contractor shall maintain these enclosures throughout construction and is to repair and replace as required. This contractor shall coordinate with Pepper Construction and Glazing Contractor for removal of the temporary system which shall be completed by this contractor.

This contractor shall furnish and install plywood operable doors at all scaffolding landings. Include 3 operable door systems at 4 additional locations, these locations shall span from slab to deck, and to be 8' wide.

This contractor shall coordinate with Pepper Construction and the Glass and Glazing contractor to remove the temporary weather enclosures as the glass and glazing scope is underway. The weather enclosures are to be removed by this contractor.

This contractor shall provide temporary fall protection at each location for the removal of the temporary enclosures and for the installation of the store front and curtain wall systems.

Temporary Barricades

This contractor shall remove and dispose of all temporary wall systems on the project as directed by the Pepper Project Management Team.

Contractor to furnish and install 150 LF of fence panels and temporary stands to accomidateto be installed at the PCCO Superintendents direction.

Furnish and install temporary wall at the ramp between Patterson and White Hall building. This barricade shall be 1 sided with drywall, and include (1) 3'-0" door and hardware assembly that is keyed to match UK Standard Keying system, and has panic bar for egress.. Wall System is to be 10' wide by 10' tall. This contractor shall patch and repair all surfaces when they remove the wall at the end of the project.

Temporary Protections

This contractor shall maintain SkudoBoard (fabric back) on all flooring surfaces existing and to remain in place This contractor shall replace sections as required with like materials. All joints in the flooring protection are to be taped per the manufacturers recommendation. This contractor to furnish and install 45,000 SF of SkudoBoard to match existing. Any remaining product shall be turned over to the project. This contractor includes labor required to install 45,000 SF of this SkudoBoard, and in addition labor to remove, rework, or modify an additional 45,000 SF. A maximum on 1 crate is to be store on site at a time, but the remainder of the materials are to be stored off site and readily available to arrive to the site within 4 working days of the request for additional materials. A

This contractor shall maintain elevator door protection for both elevators with like materials.

This contractor shall maintain the tree protection in place, and repair any damaged tree protection until the end of the project, once the project has met substantial completion this contractor will remove and dispose of all tree protection at the direction of PCC Superintendent.

The handrail in the stair wells located at the east and west end of the building will be removed for refinishing and repair by others. This contractor shall furnish, install, and maintain an OSHA compliant railing at these locations while handrail is being refinished. This contractor shall coordinate with the Architectural Woodwork Contractor for removal of the temporary railing.

TP-09 General Trades

Exhibit B

This contractor shall furnish and install skudo board (fabric backed) on all wood and acoustical panels. When installing this protection this contractor shall install 4'-0" vertically and is to be raise off the ground to provide access for floor base installation. Coordinate with Pepper Construction for final installation elevation. This contractor shall remove this wall protection as directed by Pepper. Upon removal this contractor shall stack and Pepper to will either haul away or direct contractor to dispose of. This stock of SkudoBoard is in addition to the 45,000 SF listed herein which is also furnished and installed by this contractor.

This contractor shall furnish and install temporary corner protection on all installed architectural wood work, and includes removal upon Pepper's direction.

Railing installed in previous Bid Package shall be maintained, repaired, replaced, and removed by this contractor as directed by Pepper Construction.

Wood Blocking

This contractor shall furnish and install all wood blocking for this contractors work as well as other trades unless specifically excluded in this scope of work. Install all wall mounted materials and equipment including but not limited to; owner furnished fixtures, furnishings, and equipment, casework, wall hung items provided by other trades and scopes, signage, aluminum framed systems, etc.

This contractor shall install wood blocking for all wall mounted door stops.

This contractor to review other trades scope of work to provide in wall blocking requirements to be installed by this contractor.

Furnish and install all wood blocking in ceilings to support ceiling mounted equipment.

Roof blocking by roofing contractor.

Surface mounted bocking for architectural wood panels by Architectural Woodwork contractor.

Furnish and install blocking at all other locations where identified and called out on the drawings.

This trade to furnish and install in wall blocking for any OFCI (owner furnished contractor installed) items.

This trade to furnish and install in wall blocking for any CFCI (contractor furnished contractor installed) items as scheduled.

Furnish and install Fire Treated plywood in the electrical & communications closets as described in the contract documents. This contractor shall paint surface mounted plywood with compatible paint if required by specification.

Furnish and install stair well blocking (for example, behind railings).

Furnish and install blocking for toilet accessories.

Furnish and install blocking for electric hand dryers if required

Furnish and install in wall blocking for architectural woodworking items.

Furnish and install in wall blocking for audio visual equipment and support for projection screens, projectors and speakers as per bid documents. For equipment mounted to the concrete structure provide Unistrut bolted and anchored to the structure. Mounting plates are to be provided by others, and installed by this contractor

Furnish and install in wall blocking for markerboards, whiteboards, chalkboards, tackboards as per bid documents.

Furnish and install in wall blocking at coat hooks

Furnish and install blocking for window sills, jambs and head per bid documents.

Furnish and install blocking for window treatment.

Furnish and install blocking for pivot doors at head and jambs (visible finished wood header by millworker).

Furnish and install in wall blocking for coat rod & shelves.

Furnish and install in wall blocking for wall mounted shelving units.

Furnish and install blocking and any surface mounted plywood for equipment panels (for example, security panels, sound masking panels, etc.).

Furnish and install in wall blocking for corridor handrails.

Subcontractor to include all equipment required for access to their scope of work.

Accessories DIV 10

This contractor to furnish and install all wall protection and corner guards. Wall protection is to be installed with all adhesives, hardware, t- caps, etc. for a complete system per the manufacturer. All joints and caps within the wall protection is to be caulked and color matched by this contractor.

All corner guards are furnished and installed by this contractor.

This contractor to provide and install stainless steel wall covering panels. All panels are to be caulked at all joints with clear caulking unless otherwise noted, specified, or recommended by manufacturer.

This contractor is to provide and install any and all fire extinguishers and fire extinguisher cabinets at all locations. Blocking and framing to be installed by this contractor.

TP-09 General Trades

Exhibit B

101	Install OFCI items as scheduled. Include receiving, unloading and distribution of scheduled material and equipment.
102	This trade to furnish and install CFCI items as scheduled. Include receiving, unloading and distribution of scheduled material and equipment.
103	Install residential appliances as scheduled. Include receiving, unloading and distribution of material and equipment. This subcontractor to plug in equipment and ensure operation. Any plumbing connections and any hard wire connection by other respective trades.
104	Concrete restoration and waterproofing:
105	Furnish and install complete warranted and watertight waterproofing system including but not limited to rubberized sheet waterproofing, fluid applied waterproofing, damp proofing, protection board, foundation primer, bituminous cant strips, termination bars, and insulation board. This contractor shall furnish and install all waterproofing work and make repairs at all existing locations and includes all accessories any systems as described in the contract documents to complete this system.
106	This contractor shall coordinate with the concrete contractor who is installing water proofing at new concrete installations where products tie together or intersect. This contractor is to include all requirements to tie to their system to create a continuous water proofing system.
107	Subcontractor has included drainage channels and fabric wrap at protection board as required.
108	Subcontractor to furnish water stop strips to concrete subcontractor for casting into foundation wall prior to foundation pour.
109	Subcontractor has included recommended detail to protect this product at the top of the foundation wall.
110	This contractor shall furnish and install all rigid insulation at or below slab at existing conditions.
111	Subcontractor to coordinate installation of waterproofing with outer surface installation so that the exposure to weather is within manufacturer's requirements.
112	Furnish and install all cold fluid applied water proofing at planters.
113	This contractor shall furnish and install all expansion joint and joint sealer where required
114	This contractor shall furnish and install all water proofing at the north side of the building.
115	This contractor shall furnish and install all water proofing and damp proofing systems as described in the contract documents. This contractor shall make all water proofing terminations to all materials and systems to complete the water proofing system, and to ensure the system is fully and completely water proof.
116	There is an existing leak at the existing building. This contractor shall provide all means and methods for exploration to locate and identify the source and location of the leak as described in the construction documents. Upon identification of the leak this contractor shall make all required repairs as shown in the contract documents. All equipment and repairs required to locate and repair this leak are by this contractor, including but not limited to, testing, excavation, excavation equipment, back fill, cleaning, prep etc. required for this scope of work.
117	This contractor shall remove all water proofing where identified on the drawings and at locations to receive new waterproofing on existing substrate. All edges shall be left in a clean manner and terminated per plans and specifications. At locations where waterproofing is to remain this contractor shall not damage substrate.
118	Include all cleaning required for installation of waterproofing and damp proofing systems.
119	This contractor shall provide testing for their water proofing systems to identify leaks following installation.
120	This contractor shall furnish and install membrane at the existing planters. This membrane system shall be furnished and installed as a complete water proof system and includes all required termination bars, drains and reglets.
121	This contractor shall furnish and install complete concrete restoration work as a turn key scope. All required or work associated with the concrete restoration shall be by this contractor.
122	This contractor shall visit the project site to view locations of photos included in the project documents prior to bid for a full understanding of required work.
123	This contractor shall fully follow the concrete restoration process listed within the specifications.
124	This contractor has included all work associated with the concrete restoration, inclining all materials, labor, access to work areas at elevated locations, or below grade if required and put back.
125	Contractor shall demo 120 SF of blacktop at the loading dock. Prep for a slab on grade with a #8 rebar mat and re pour a 120 SF 6" slab of concrete. Contractor to provide broom finish. This scope is to be completed at the begining of BP-3, contractor to provide and use all neccessary winter weather requirements to ensure a successful slab installation.
126	Contractor is responsible for their own concrete washout.
127	This contractor shall furnish all required equipment to access their work including but not limited to ladders, scaffolding, lifts, etc.
128	Concrete or Cementous curing shall be completed per specification.
129	This contractor shall provide their own concrete dumpster for concrete removal. This contractor shall comply with LEED requirements described in Exhibit L

TP-09 General Trades

Exhibit B

This contractor shall coordinate with TP-10 - Cast in place Concrete at locations were waterproofing intersect for compatibility.

This contractor shall pressure wash all exterior concrete surfaces within the bounds of construction, plus 50' around the perimeter of the site per the direction of the Pepper Project Superintendent twice.

This contractor shall clean all concrete surfaces prior to installing waterproofing and damp proofing as specified or per the manufacturer's recommendations. If the manufacturer's recommendations are different than what is specified then this contractor shall issue an RFI for clarification.

Landscaping & Site Work

This contractor shall furnish and install all listed items shown and expressed in the Landscape Drawings, also known as the LX.X.X drawings.

This contractor to furnish and install rubber landscaping mats on the exterior per the project logistics plan. Furnish 250LF at 8' to 10' wide. Following the completion and removal of these mats this contractor shall repair or replace grass and repair any damage to the sod or top soil to restore to existing condition.

Following the site work this contractor shall restore the lawn to original condition, which includes but not limited to the labor, materials, equipment for the installation of sod, watering, fertilizing, backfilling etc. required to restore the site to the original condition prior to construction activities.

This contractor to maintain rubber landscaping mats for the duration of the project

This contractor to remove landscaping mats at the end of the project per the direction of the Pepper Project Superintendent.

This Contractor to furnish, install, and maintain all requirements for the Storm Water Pollution Prevention Plan (SWPPP).

This contractor shall keep all required documents, inspect, and maintain the SWPPP per the contract documents. All SWPPP records will be held in the PCC Trailer or Office.

This contractor shall furnish, install and maintain all requirements on the EPSC Plan including but not limited to silt fencing, drainage socks, drain protection.

This contractor to remove stairs as described in the construction documents.

This contractor to remove large format concrete pavers as shown. Remove existing landscape bed material and haul spoils except where it is noted to remain.

This contractor shall remove all soils from landscapes planter for the installation of waterproofing and haul away. Once water proofing activities are completed this contractor shall back fill planter(s) as required for landscapes.

This contractor to remove tress and tree pits and prep the area for new work as shown in the contract documents. Contractor to grind and remove stumps as shown in the construction drawings.

This contractor to protect and maintain curbing from damage at exterior road curb for the full length within fenced in area along Patterson Dr.

This contractor to furnish and install large format paver system. Including all substrate material, compacting, sub-base, drainage, sleepers, asphalt beds, etc.

Includes all substrate materials with this scope including compaction, compaction testing, sub base, drainage, and asphalt bed. Excludes concrete flat work.

Furnish and install permeable pavers. Including all substrate materials including subgrade prep, compaction, compaction test, choker course, asphalt bed. All permeable pavers to be installed per the manufacturers specifications.

This contractor shall be responsible for the means and methods to get materials to the location of installation.

This contractor to furnish and install stone seat walls as shown the contract documents. This includes all surface prep, masonry, and reinforcements. Coordinate with electrical contractor for lighting installation.

This contractor shall seed and straw the complete lawn area following the site work. Netting shall be used to secure all straw to prevent washout or displacement from wind.

This contractor shall furnish and install all footings and foundations of stone seat walls.

This contractor shall prep all surfaces and soil as specified prior to installing seat walls, coordination with other trades is by this contractor.

This contractor shall furnish and install all required reinforcing bars and mesh in seat wall foundations.

All preparation, stone, compacting etc. required foundation elements are to be furnished and installed by this contractor. Includes but not limited to damp proofing, reinforcing bars, CMU, grout, etc. required to fully install seat wall systems as described in contract documents.

TP-09 General Trades

Exhibit B

This contractor to furnish and install soil cell in landscaping areas.

This contractor to furnish and install all new landscaping with plantings per the planting plans shown in the contract documents.

This contractor to furnish and install all elements to note 9 listed on sheet L4.0.0 including all prep work, reinforcing, testing required.

This contractor to haul in all soils as described in the contract documents.

This contractor shall furnish all supplemental soils to bring all surfaces up to the proper grade.

Drip Irrigation shall be furnished and installed by this contractor as a complete system. Electrical will provide line side power termination, all other required wiring are by this contractor. Plumbing contractor shall provide water to irrigation equipment head.

This contractor to power wash full height of building at the conclusion of site work activities.

Visual Display Surfaces

This contractor to furnish and install all tackable surfaces, marker boards, chalk boards, along with required blocking at each location. See Specification section 101100 for further information.

This contractor to confirm that all visual display surfaces are properly dimensioned and will fit in the space identified.

Signage

This contractor to furnish and install all permanent site sign on both the inside and outside of the construction space.

This contractor to ensure that all signs shall be mocked up digitally through the submittal process and include location schedule and shop drawing and this contractor is to provide the owner's representative a physical mockup.

This contractor to ensure all signs mounted on glass or glazing shall come with back plate.

Masonry

Subcontractor has included all masonry including block, brick, flashings, stainless drip, weeps, bridging, termination bars, mortar, grout, rebar/reinforcing steel, wall ties, anchors, flashings, reglets, insulation, masonry cell fill, and any other masonry accessories as indicated on bid documents.

Subcontractor has included grouting of all masonry on the architectural and structural drawings. This includes grouting solid of hollow metal frames in masonry openings.

Subcontractor to include all connections necessary to attach masonry ties.

Subcontractor to furnish and install all precast stone or precast concrete elements and all requirements for mounting and setting the precast to complete the system.

Furnish and install transition strip and bent metals shown under the cast stone.

Subcontractor to include tooled joints, including at the AVB side as required.

Subcontractor to include field verification of all dimensions prior to start of work.

Subcontractor has included fire stopping at head of masonry wall as required by bid documents.

Subcontractor to provide masonry sealers per specification including below grade sealers as required.

Subcontractor to parge between block and brick as required.

In progress cleaning and pointing all masonry as required by bid documents.

Final cleaning of all masonry per bid documents.

Includes but not limited to all damp proofing, reinforcing bars, CMU, grout, etc. required to fully install seat wall systems as described in contract documents.

Stone

Subcontractor has included all stone including cast stone/natural stone sills, trim pieces, lintels, surrounds, copings, wall caps, embeds, dowels, anchors, fasteners, transition strips, metal edge strips, grout, sealers, joint sealants, flashings, and any other masonry accessories as indicated on bid documents.

Subcontractor has included supported flashing under coping stone as required.

Subcontractor to provide below grade sealers to prevent staining at grade level stone pieces.

Air & Vapor Barrier

Subcontractor to patch sheathing & AVB at tie-back locations on structure for masonry scaffolding.

All air/waterproofing necessary to guarantee water tight masonry enclosures including end dams, caulk, flashing, weeps, and stainless steel termination bars.

TP-09 General Trades

Exhibit B

Subcontractor to coordinate installation of AVB with outer surface installation so that the exposure to weather is within manufacturer's requirements.

Joints, Firestopping, Caulking & Sealants

Subcontractor to include 100% full head joints and bed joints.

Provide caulking, sealant & backer rod at all masonry partitions.

Furnish and install fire stopping where applicable. Firestop head details to be installed per bid documents and UL, IBC, and the NFPA.

Furnish and install control joints, expansion joints, and movement joints, as required.

Furnish and install compressible filler, mineral wool at masonry partitions as required.

Provide sealant at top of walls as required.

Tuckpointing/Rehabilitation

Subcontractor to remove and rebuild, or tooth outer wythe and returns of brick masonry and where saw cut so that no cut edges are visible. This condition exists specifically at the walls where saw cut during demolition, however, this contractor shall review the documents and include other masonry locations shown on the drawings.

Subcontractor to grind and re-point brick masonry in place as necessary. Replace individual bricks as necessary.

Replace or install new steel shelf angles and lintels as necessary for a typical run of masonry.

Subcontractor to replace and re-install restoration anchors.

Subcontractor to replace sealant at concrete to brick joints.

Grind and seal wash joints as necessary.

Coordination with PCC Superintendent/other trades

This contractor to install all perimeter steel (ledger/angle/shelf angle) for brick, masonry, glass window support. Masonry shelf angle furnished by steel subcontractor. This contractor responsible for setting angle horizontal "in and out" from the structure with shims.

Masonry Subcontractor responsible for adjusting angle in vertical direction to coordinate with coursing and tighten bolts.

Subcontractor to install steel lintels (furnished by others).

Subcontractor to coordinate with project team on sequence of final cleaning of masonry (i.e. before or after window/curtainwall installation)

Coordinate all penetrations with other trades and install sleeves as necessary.

Trade Specific Safety Issues

Masonry tradesmen require 100% fall protection at 6 ft. and above. OSHA 1926 Subpart M fall protection exception that allows a controlled access zone in lieu of personal fall protection, safety nets, or a guardrail system, does not apply to overhand bricklaying operations on Pepper Construction projects.

Scaffold systems being used must support 4 times the maximum intended load. Scaffold systems must be designed by a qualified person and must be inspected daily by a competent person before each use.

All scaffold planking used must be a scaffold grade lumber.

Employees working on, erecting, disassembling, or moving the scaffold must received training in safe work practices.

Employees performing overhand bricklaying work from the interior of the building must be provided with and utilize fall protection equipment.

A limited access zone must be established on the un-scaffolded side of the masonry wall which equals the height of the wall plus 4'.

All walls over 8' in height must be braced to prevent overturning or collapse. The braces must be of sufficient strength to support the wall based on the forces applied by wind conditions. Winds over 20 mph on newly built walls exert considerable force. When winds over 35 mph occur employees must evacuate the area.

Masonry saws or partner saws must be provided with water systems to reduce the likelihood of employees being exposed to silica levels above the PEL.

Whenever employees may create respirable silica dust, applicable OSHA standards must be followed. This includes site specific silica controls plans, engineering controls, barricades, respiratory protection and air monitoring.

Respirators are required when dust, mists, fumes or vapors exceed the OSHA PEL's. Employees wearing respirators must receive training, medical evaluations and respirator fit testing prior to beginning work.

When exposure to airborne silica can be expected sampling may be required to determine the OSHA PEL.

A certified, competent person must be on site for each activity for which OSHA requires a competent person on site, including but not limited to excavations, scaffold use, fall protection, etc. Training certificates must be available upon request.

All employees operating forklifts must have been trained in and have certification of forklift training.

UUDP Underground Utility Damage Prevention (See Exhibit Q)

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Exhibit B

Subcontractor performing any work underground must comply with the PCC UUDP Process and comply with filling out the Excavation Permit daily.

Subcontractor will attend a UUDP kick-off, hand-off, and any necessary coordination meetings to complete this process.

During site work the subcontractor will revisit the UUDP model, share UUDP model and deliverable information with operators, and ask questions as needed and as required.

Subcontractor has included pothole/hydro excavation locations in their scope of work.

Subcontractor has included a 4" PVC pipe 10' long and an end cap for each pothole/hydro excavation location.

Subcontractor has included sand to backfill holes as needed and as required.

Subcontractor has included all cost for public and private locates associated with their work.

Subcontractor has included GPR as needed and as required. Sanitary and storm piping shall be snaked and located for exact location if passing through an excavated area.

Subcontractor has included all hardscape cutting, chipping, removal, and patching as needed and as required.

Cleaning

This contractor shall provide final cleaning of each floor as work concludes on each floor this contractor shall provide the first final cleaning. This cleaning shall include all cleaning products that are compatible with the surfaces being cleaned. All surfaces within the space shall be cleaned including but not limited to, axiom trims, wood ceilings, lenses of light fixtures, furniture, casework, window systems complete, the interior of windows, glass and glazing systems, doors, architectural wood work, inside of cabinets, inside of the drawers, and all other surfaces within the space. This contractor shall remove all adhesive residues, on all surfaces.

This contractor shall provide final cleaning for the entire project following substantial completion and will be the second final cleaning. This cleaning shall include all cleaning products that are compatible with the surfaces being cleaned. All surfaces within the space shall be cleaned including but not limited to, axiom trims, wood ceilings, lenses of light fixtures, furniture, casework, window systems complete, the interior and exterior of windows, mirrors, handrails, glass and glazing systems, doors, architectural wood work, inside of cabinets, inside of the drawers, and all other surfaces within the space. This contractor shall remove all adhesive residues, on all surfaces.

At the time of the first final clean, or second final clean this contractor will remove all debris and trash remaining.

Floor scrubbing shall be conducted on hard surfaces with appropriate cleaning pad. Deep cleaning of all carpeted areas is included.

~~At the time of the second final cleaning this contractor shall clean the exterior construction site, including pressure washing concrete surfaces, both vertical and horizontal. This contractor shall also provide window cleaning for all windows at both the interior faces and exterior faces.~~

When cleaning exterior elevated surfaces, this contractor shall clean horizontal surfaces on exterior ledges on level 2 and 3.

This contractor is shall provide their own equipment to access elevated cleaning. Coordinate with Pepper Construction.

This contractor shall buff/ polish existing elevator stainless steel at the end of project duration per the direction of the Pepper Project Superintendent.

Bidder shall include a complete FURNISHED AND INSTALLED ("Provide" means to "furnish & install") system / assembly relevant to its scope of work as indicated in the contract documents and as per this scope of work document. Each scope of work section includes, but is not limited to, the following:

General Scope of Work

This contractor shall furnish and install house keeping pads required for all Mechanical, Electrical, Plumbing, and Fire Protection equipment. Reference drawings for mix design and reinforcements.

This contractor shall patch and repair all surfaces where anchors, posts, screws, or other penetrations were made in surfaces existing to remain due to temporary construction means.

This contractor to fire stop at existing locations shown on the drawings. New Penetrations made by other trades shall fire stop their penetrations.

Provide and install all sprayed foam insulation, including inside of miscellaneous metals such as tube steel supports, columns, inside parapets and walls, screen wall support columns and fall protection tie-back anchors, and other similar locations of entrapped or encased sprayed foam. All holes for installation will be provided by miscellaneous metals contractor.

This contractor shall include \$10,000 for internet infrastructure costs and will pay infrastructure costs, and monthly cost there after. At completion of the project this contractor is to furnish credit for unused funds.

All temporary conditions including but not limited to protections, railing, weather barriers, etc. installed to protect surfaces or installed for safety in previous bid packages (BP1) will become the responsibility of this contractor to maintain, repair, replace as needed, and remove as directed by Pepper Construction.

TP-09 General Trades

Exhibit B

271	All temporary conditions including but not limited to protections, railing, weather barriers, etc. installed to protect surfaces or installed for safety in this current bid package (BP3) will become the responsibility of this contractor to maintain, repair, replace as needed, and remove as directed by Pepper Construction.
272	This contractor to review the structural drawings for structural repairs and concrete infills required. This contractor shall provide all labor, materials, and equipment to prepare, repair and/or modify the structure. All notes identifying removal or demolition are fully included, and these items shall be restored as prescribed in the structural documents which includes all labor, materials, and equipment.
273	This contractor to review the Architectural drawings for architectural repairs required in all notes identifying removal or demolition. This contractor shall provide all labor, materials, and equipment to prepare, repair and/or modify as the architectural documents described.
274	This contractor is to include all notes on sheet A3.4 and furnish all materials, labor, and equipment. Electrical contractor to disconnect power to light fixtures.
275	This contractor shall provide all materials, labor, and equipment to clean, remove paint, seal exposed structure, and deck as described in the RCP Key Note 5 included in the reflected ceiling plans.
276	Contractor to patch walls at concrete and brick locations.
277	<u>Specification Section/s</u>
278	All Division "00", "01, 02" specification sections are included.
279	All specification sections listed in relevant part and section to this scope of work are included.
280	Div. 1 General Requirements
281	Spec. 033000 Cast-In-Place-Concrete
282	Div. 4 Masonry
283	Spec. 034500 Precast Architectural Concrete
284	Spec. 055213 Exterior Pipe and Tube Railings
285	Spec. 061053 Miscellaneous Rough Carpentry Work
286	Spec. 071113 Bituminous Damp proofing
287	Spec. 071700 Bentonite Waterproofing
288	Spec. 072100 Thermal Insulation
289	Spec. 078100 Applied Fireproofing
290	Spec. 078413 Penetration Firestopping
291	Spec. 078446 Fire-Resistive Joint Systems
292	Spec. 079200 Joint Sealants
293	Spec. 081113 Hollow Metal Doors and Frames
294	Spec. 081416 Flush Wood Doors
295	Spec. 083113 Access Doors
296	Spec. 087100 Door Hardware
297	Div. 8 Doors and Windows
298	Spec. 101100 Visual Display Surfaces
299	Spec. 104413 Fire Extinguishers and Cabinets
300	Spec. 129300 Site Furnishings
301	Spec. 310000 Site Clearing
302	Spec. 312000 Earth Moving
303	Spec. 313116 Termite Control
304	Div. 31 Earthwork
305	Div. 32 Exterior Improvements
306	Div. 33 Utilities
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308	<u>Allowances</u>
309	Misc. Fire Stopping beyond what is beyond the project scope - \$15,000
310	Fencing Repair and Modifications due to wind gusts exceeding 30 MPH. - \$18,000

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Exhibit B

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Repair asphalt and concrete along Patterson Dr. and at the loading dock resulting from the construction staging, storing, safety, and other construction activities or requirements which could include repair and/or replacement of asphalt surfaces, curbs, concrete surfaces, and striping/painting - \$75,000
Temporary Protection - For use as directed by Pepper construction to protect items, installation, public. Etc. that is beyond or not already included within this scope of work - \$75,000
Misc. Caulking Allowance - For use as directed by Pepper Construction for items not included in this scope of work - \$15,000
Temporary Heating and Air (Conditioned Air) : \$154,000
Masonry Patch Allowance - For use as directed by Pepper Construction for items not included in this scope of work- \$10,000
Temporary Heating and Air (Heaters) : \$135,000
Temporary Heating and Air (Equipment Setup/ Removal) : \$30,000

Exclusions

Pepper Construction Company

White Hall BP-3

140 Patterson

Lexington Ky

Job#: 2300309

TP-10 - Cast-In-Place Concrete

Exhibit B

Base Bid Including Taxes

TRADE SPECIFIC SCOPE OF WORK

Bidder shall include a complete FURNISHED AND INSTALLED ("Provide" means to "furnish & install") system / assembly relevant to its scope of work as indicated in the contract documents and as per this scope of work document. Each scope of work section includes, but is not limited to, the following:

General Scope of Work

This contractor shall furnish and install all concrete, concrete stairs, concrete foundations, concrete footings, Rigid insulation, compressible fillers, sealants, bent metals, concrete reinforcement, concrete embeds, concrete expansion joints, caulking, vapor barriers, dowels, form work, water stopping, bentonite, bonding agents, concrete sealers, all concrete demolition and removal scheduled to be removed, all concrete preparation and all other requirements to complete this concrete installation and concrete restoration scope of work.

This contractor shall reference all drawings including the Landscape (L Series/Set), Structural (S Series/Set) and Architectural (A Series/Set) of drawings.

This contractor shall preform all of their own excavations and site work required to preform their scope of work, and furnish and operate their equipment.

Separate mobilization at no cost to GC or Ownership for topping slabs, out of sequence work, phasing, etc.

Subcontractor to include concrete pumping, crane, or other equipment as required to place concrete at the various locations within the existing building and throughout the site.

Subcontractor to include curing methods per bid documents and specifications.

Once mobilized, dewatering of casual/rain water is included until entire installation is completed. This scope is based on this subcontractor being able to utilize a standard pump (up to 6") with a 2" discharge. Dewatering discharge to be handled by this subcontractor in accordance with all state and local requirements.

Subcontractor to use all new form facing material where form faced concrete is exposed.

This contractor shall furnish all required surveying so that the concrete installation is completed at all correct elevations and sloping.

This contractor shall install site concrete to promote water run off as identified and specified in the contract documents.

If not specified this contractor shall furnish and submit 4'x4' mock up of the exposed aggregates concrete located at the site, in the locations specified by Pepper Superintendent for review by UK and the design team.

Subcontractor to provide formwork in accordance with ACI standards.

Subcontractor to furnish and install reinforcement material per the bid documents. This includes rebar and epoxy coated reinforcing as required.

Subcontractor to furnish and install wire/fiber mesh per the bid documents. Wire mesh to be in sizes and gauges as specified. Fiber mesh per specifications.

Subcontractor to include concrete mix designs and strengths per bid documents.

This contractor shall furnish and install all required back fill materials located throughout the project site, including but not limited to, flowable fill concrete, stone, soil, flash fill etc.

Subcontractor to provide and submit all construction joints, control joints, depressions, water stops, edge forms, depressions, and box-outs for review by the structural engineer. This includes all MEP penetrations and items not necessarily shown on the drawings.

Subcontractor to provide all reveals, rustications, chamfers, etc. per bid documents. Subcontractor has reviewed architectural drawings as required.

Subcontractor to furnish and install all joint filler(s), foam wrap and bond breakers as noted on the bid documents.

Subcontractor to provide patching, grinding, or remedial work at all exposed surfaces. This includes patching of tie holes and "honey combing" per the specification.

Subcontractor to provide saw cutting of scope as required.

TP-10 - Cast-In-Place Concrete

Exhibit B

22	Subcontractor to provide concrete washout box and coordinate location with PCC superintendent. Subcontractor to include haul away and removal from the project site.
23	Fine grading shall be by this contractor.
24	This contractor to remove stairs as described in the construction documents.
25	This contractor to remove existing site concrete as shown in the contract documents.
26	This contractor to remove curbing where shown. Coordinate location of saw cut with Pepper Construction Superintendent.
27	This contractor to remove exposed aggregate concrete pavement and prep area for new concrete as shown in contract documents. Contractor to coordinate saw cutting with the PCC Superintendent.
28	This contractor to patch and repair concrete surfaces as described in the construction documents. It is recommended that this contractor is to examine site conditions prior to bidding for a complete understanding of requirements of this scope of work.
29	This contractor shall coordinate surface preparation with the scheduled paint per the manufacturer's requirements.
30	This contractor shall furnish and install all items required to place the concrete including, but not limited to the following: grading, air barriers, water proofing, gravel mats, bonding agents, filter fabric, etc.
31	This contractor to furnish and install Exposed Aggregate Concrete pavement, Concrete Stairs, Concrete Pavement, Concrete Wall, Concrete Curbs, and Concrete Restoration. Including sloping of pavement in accordance with the contract documents.
32	This contractor shall furnish and install proper reinforcement or welded wire fabric as described in the construction documents.
33	This contractor shall confirm mix designs are per the specifications, and the material supplier shall furnish paper delivery tickets to confirm air, and slump requirements.
34	This contractor shall be responsible for the means and methods to get materials to the location of installation.
35	This contractor shall furnish and provide 4'x4' mockup of the exposed aggregate mix design.
36	Pepper reserves the right to reject a mix that does not meet the tolerance of specified mixes.
37	This contractor to furnish and install new stair with stainless steel handrail. Furnished and installed by others.
38	This contractor shall include all required site preparations and reinforcing bars to place stairs.
39	This contractor shall confirm mix designs are per the specifications, and the material supplier shall furnish paper delivery tickets to confirm air, and slump requirements.
40	Subcontractor to scrape all floors immediately after concrete pours and remove all spilled concrete from exposed and adjacent items such as structural steel, embeds, misc. metals, masonry, etc. in a timely manner. Broom clean after completion of stripping and grinding.
42	This contractor to furnish and install concrete band. Includes all substrate, compaction, compacting testing, and reinforcement bars as described in the contract documents.
44	This contractor to furnish and install concrete pads required for trash for trash receptacles and trash receptacles as shown.
45	If required subcontractor to provide all required accelerators and add-mixtures for cold weather concrete pouring according to ACI Standards. Winter blankets included, when required.
46	This contractor shall furnish a shop drawing as apart of submittal package for control joint locations. This contractor shall provide required equipment to preform control cutting.
47	This contractor has all required loading, unloading, hauling, rigging, etc. required to mobilize, install work, and de-mobilize.
48	Subcontractor shall coordinate proper slope or pitch of all concrete with Pepper Superintendent.
49	This contractor shall furnish and install all geofoam located in the lecture halls.
50	Provide shop drawings submittal for geo foam showing radius, and installation details,
51	This contractor shall install all handrails embedded in concrete, handrail materials provided by Structural Steel Contractor.
52	This contractor shall include but not limited to all backfill, compaction, equipment, labor, investigation, dewatering, etc. to provide a proper substrate as described in the construction documents.
53	This contractor shall have all backfill materials reviewed prior to placing materials.
54	This contractor shall provide all required embedded accessories required to place the concrete as described in the contract documents, this includes but not limited to the expansion joint fillers, caulking, dowel bars, isolations joint materials, etc.
55	Coordination with PCC Superintendent/other trades:
56	This contractor shall coordinate with other trades to preform this scope of work.
57	Subcontractor to install wall and footing sleeves for utilities for other trades as necessary.
58	Subcontractor to furnish and install all vertical hook dowels for CMU, as noted on both the architectural and structural drawings.
59	Subcontractor to coordinate concrete wash out box with PCC superintendent.
60	Subcontractor to furnish and install all new concrete including footings, foundations walls, grade beams, piers, shear walls, elevator pits, and columns as required by bid documents.
61	Subcontractor to provide mud slabs if shown or required by bid documents.
62	Subcontractor to include excavation required to maintain footing depth and thickness.

TP-10 - Cast-In-Place Concrete

Exhibit B

Subcontractor to include caisson/pile caps as indicated. Subcontractor to clean tip of caissons and piles before placement of caps.

Subcontractor to provide specified brick ledge as shown on bid documents for all foundation wall work. Any modifications to foundation wall thicknesses must be reviewed and approved by structural engineer and coordinated with enclosure subcontractors (masonry, curtainwall, EIFS, partitions, etc.) prior to placement.

Subcontractor to review phasing requirements with PCC superintendent and taken into account backfill requirements, bracing requirements, etc. with concrete installations.

Subcontractor to include installation of all anchor bolts, inserts and embeds provided by others.

Concrete subcontractor has included an as-built survey(s) of all installed anchor bolts (vertical & horizontal elevation verification) after placement. Subcontractor has included multiple trips by surveyor as needed and coordination with steel subcontractor phasing and erection schedule.

Subcontractor to provide grouting of all base plates. All non-shrink grout intended for steel work, whether noted or not, shall be furnished and installed by this Subcontractor. Steel to be furnished and installed by others.

Following the installation of the handrail this contractor shall grout in handrail posts.

Subcontractor to hold elevator and stair opening interior dimensions per architectural drawings regardless of ACI tolerances. These are minimum dimensions.

Slabs:

Subcontractor to furnish and install all new concrete for slab on grade, slab on metal deck, elevated slabs, elevated beams, toppings, thickened slabs as indicated on bid documents.

Subcontractor to provide fine grading, hand work, and coordination of granular fill for slab on grade.

Subcontractor has included furnish and install of slab on grade vapor barrier as indicated on the bid documents.

Subcontractor to clean deck prior to placing concrete.

Subcontractor has included taking into account the camber of decks and beams. Subcontractor to include additional concrete volume as needed to compensate for deflection.

Subcontractor to complete flatness & levelness testing prior to removing formwork.

Subcontractor to furnish and install light weight or normal weight concrete over metal decks per bid documents.

Subcontractor to saw cut at slabs within 24 hours after pour for the control joints. Control joints layout shall be reviewed and approved by Structural and Architectural designers.

Subcontractor to provide control joint shop drawing for approval by structural engineer.

Subcontractor to include all grinding or bushing required to correct deficient slabs. Subcontractor must complete in a timely manner as to not delay other trades' work.

Miscellaneous Concrete:

Subcontractor to include elevator pits, escalator pits, and sump pits per the bid documents.

Subcontractor has included forming, pouring, and finishing of concrete stairs and risers per bid documents.

Subcontractor has included concrete infill at metal pan stairs as required.

This contractor shall review the all structural and architectural drawings and infill all openings in floor slab and concrete walls throughout the building per plans and specification. This contractor shall furnish and install all formwork and shoring required to infill existing opening. This contractor shall rub out and/or fill any "bug hole", form ties, honey combing, or all other imperfections to create a continuous and non noticeable infill. Furnish and install all reinforcing as prescribed by the structural engineer.

Subcontractor has included setting and concrete in-fill at steel pipe bollards. Pipe bollards furnished and delivered by others.

Subcontractor to provide footings for masonry mock-ups per architect specified mock-up. (See alternates for separate PCC quality mock-up as required).

~~Subcontractor to furnish and install concrete for all MEP equipment pads and curbs as shown on the bid documents. Subcontractor has reviewed architectural and MEP/FP drawings as required.~~

Site Concrete:

Subcontractor to furnish and install site concrete per sizes, profiles, chamfers, expansion/control joints, rebar and details for curbs, gutters, sidewalks, driveways, aprons, seats, stairs as indicated on the bid documents.

This contractor shall remove all concrete as described within the architectural, landscaping, civil, and structural drawings.

Sub-base aggregate furnished and installed by this contractor, and includes hand leveling as required.

Subcontractor to include minor hand excavation for placement of curbs. Excavating for curbs by excavating subcontractor.

Subcontractor has included footings for concrete stairs as shown on bid documents. Subcontractor has reviewed architectural and landscaping drawings as required.

Subcontractor has included tread nosing as noted on the bid documents.

Subcontractor to provide final finish, colored concrete, exposed aggregate, trowel, and hand rubbed finishes as noted on the bid documents.

Pepper Construction Company

TP-10 - Cast-In-Place Concrete

Exhibit B

98	Subcontractor has included replacement/restoration of existing concrete pavement as required by bid documents.
99	Subcontractor to include foundations for site amenities, bike racks, trash cans, etc. per bid documents.
100	This contractor shall furnish and install all waterproofing, damp proofing, and rigid insulation on new concrete systems installed by this contractor.
101	This contractor shall furnish and install all additional required accessories to the concrete system including but not limited to expansion materials, isolation materials, sealants, backer rods, dowels adhesives, chemical additives, bonding agents, sealers, water stop etc. as described in the contract documents.
102	Trade Specific Safety Issues:
103	This contractor shall furnish and install all required shoring, trench boxes, or other required safety measures.
104	A certified, competent person must be on site for each activity for which OSHA requires a competent person on site, including but not limited to excavations, scaffold use, fall protection, etc. Training certificates must be available upon request.
105	100% fall protection must be provided and utilized for all exposures 6' and above.
106	Engineered fall protection systems must be used in concrete leading edge operations.
107	Scaffold systems being used must support 4 times the maximum intended load. Scaffold systems must be designed by a qualified person and must be inspected daily by a competent person before each use.
108	All scaffold planking used must be a scaffold grade lumber.
109	Proper Personal Protective Equipment must be provided and utilized by all employees exposed to wet concrete: Safety Glasses, Rubber Boots, Gloves and Protective Clothing if necessary.
110	Formwork must be capable of supporting all vertical and lateral loads that could be expected. All shoring must be inspected prior to, during and immediately after pour.
111	All damaged shoring equipment must be removed from service.
112	Adequate planning must ensure level surfaces are provided for cranes and pumper trucks. Proper cribbing must be used under all outriggers.
113	Employees must be instructed to stay out from under boom and load.
114	For multi-story buildings, swinging loads on to floors by pulling the loads in is not permitted. If hoists are not adequate and or not available, lookouts must be utilized. Lookouts must be capable of supporting maximum load and must be designed by an engineer.
115	Whenever employees may create respirable silica dust, applicable OSHA standards must be followed. This includes site specific silica controls plans, engineering controls, barricades, respiratory protection and air monitoring.
116	Subcontractor to provide shoring and reshoring as required.
117	Subcontractor to provide temporary OSHA safety railings as required.
118	This contractor shall review site conditions and have an understanding of where equipment can be used in place to complete this scope of work. Approval from UK and Pepper Construction prior to mobilizing cranes, pump trucks, concrete trucks, lifts, excavators, skid steer, etc.
119	This contractor shall review project logistics for access location, and provide the required flaggers for traffic control around the site when blocking traffic, making deliveries, or setting up pumps and concrete trucks.
120	
121	GPUP (Ground Penetration and Utility Plan)
122	Subcontractor performing any work underground must comply with the PCC GPUP Process and comply with filling out the Excavation Permit daily.
123	Subcontractor will attend a GPUP kick-off, hand-off, and any necessary coordination meetings to complete this process.
124	During site work the subcontractor will revisit the GPUP model, share GPUP model and deliverable information with operators, and ask questions as needed and as required.
126	Subcontractor has included a 4" PVC pipe 10' long and an end cap for each pothole/hydro excavation location.
127	Subcontractor has included sand to backfill holes as needed and as required.
128	Subcontractor has included all cost for public and private locates.
129	Subcontractor has included GPR as needed and as required.
130	Subcontractor has included for a surveyor to locate points and gather information for all new and existing utilities. Indicate the cost in the note's column.
131	Subcontractor has included \$\$\$ for a labor to assist with the hydro and backfilling as needed and as required.
132	Subcontractor has included all 3D modeling of new and existing utilities associated with your trades scope of work.
133	Subcontractor has included all hardscape cutting, chipping, removal, and patching as needed and as required.
134	Subcontractor has included and allowance for KDOT permitting. Indicate the allowance carried in the note's column.

TP-10 - Cast-In-Place Concrete
Exhibit B

- GPUP As-Built documentation requirements**
- a. Subcontractor will turnover a 3D model of all newly installed utilities.
 - b. Subcontractor will turnover a PDF and CAD file with top of utility elevation, size, and type of utility.
 - c. Subcontractor will survey utilities at the start and end of each run, every change of direction, as it ties into existing pipe or structures, and at each change in elevation.
 - d. All files will align with the PCC model and the subcontractor is responsible to ask questions and ensure files align before starting 3D coordination and submitting files for inclusion in the as-built NWF/NWD.

Specification Section/s

- All Division "00", "01, 02" specification sections are included.
- All specification sections listed in relevant part and section to this scope of work are included.
- Specification Section/s: XXXXX
- Spec. 033000 Cast In Place Concrete
- Spec. 034500 Precast Architectural Concrete
- Div. 5 As it applies to this scope of work
- Spec. 071113 Bituminous Damp proofing
- Spec. 071700 Bentonite Waterproofing
- Spec. 072100 Thermal Insulation
- Spec. 079200 Joint Sealants
- Spec. 321313 Concrete Paving
- Spec. 321373 Unit Paving
- Spec. 321443 Porous Unit Paving
- Subcontractor to provide formwork for exposed concrete per specification.
- Subcontractor to include finish tolerances per specification. At minimum, subcontractor has included concrete to be placed per ACI 117 standards for concrete installations.
- Subcontractor to include curing methods per bid documents and specifications.
- Spec. 313116 Termite Control

Allowances

Exclusions

White Hall BP-3

140 Patterson

Lexington Ky

Job#: 2300309

TP-11 - Structural Steel

Exhibit B

Base Bid Including Taxes

TRADE SPECIFIC SCOPE OF WORK

Bidder shall include a complete FURNISHED AND INSTALLED ("Provide" means to "furnish & install") system / assembly relevant to its scope of work as indicated in the contract documents and as per this scope of work document. Each scope of work section includes, but is not limited to, the following:

General Scope of Work

Structural Steel:

Furnish and install all structural steel including but not limited to, columns, beams, bracing angles, tube steel, stiffener plates, welds, bolted connections, per the bid documents.

Furnish and install all metal deck, included but not limited to, galvanized, painted, composite decking, acoustical including all ledger angles as noted in the bid documents.

Furnish and install steel joists per the bid documents.

Furnish and install all shear studs, as required or noted on the bid documents.

This contractor shall furnish and install all items directly and indirectly related to the installation of the structural steel in rooms 114, 126 E & F, 102, 112, 100D and 100E including but not limited to, decking, fasteners, structural steel, joists, beams, columns, base plates, adhesives, all required welding, plates, angles, etc.

Shear stud, perimeter and interior deck closure angle installations to occur concurrent with metal deck installations.

Furnish and install all metal closures at interior openings, as required per bid documents.

Furnish and install all bent plates for slab edges that extend beyond 1'-0" from column center line. Minimum sizes to include 1/4" , 3/8" , 5/16" in thickness, or as required by bid documents.

Provide gas powered generators and welders as required to complete erection at no additional cost.

Furnish all embeds as noted in the bid contract documents.

Furnish only setting plates and anchor bolts. Provide templates for setting plates.

Separate erection crews to be provided for erection, detailing and metal deck installations.

All structural steel to be cleaned of mud, dirt etc. prior to erection.

All structural steel to be shop primed unless noted otherwise on bid documents.

All steel exposed to weather to be hot dip galvanized.

Full coordination will be required with the masonry and glass subcontractors.

Furnish to General Trades contractor all perimeter steel (ledger/angle/shelf angle) for brick, masonry, glass window support.

Masonry shelf angle furnish and installed by steel subcontractor including shims. Steel subcontractor to install angle loose prior to mason. Steel subcontractor responsible for setting angle horizontal "in and out" from the structure with shims. Mason responsible for adjusting angle in vertical direction to coordinate with coursing and tightening bolts. Steel subcontractor responsible for final welding of angle from mason's scaffold.

Subcontractor to coordinate MEP shaft openings, MEP drawings, and BIM modeling with placement of structural steel.

Subcontractor has included engineering and shop drawings to be performed in house. Structural Calculations must be sealed by a licensed engineer. Provide breakout for shop drawings.

Provide continuous fire watch as required for all contractual scope of work installations, whenever a fire hazard exists.

Once mobilized, dewatering of casual/rain water is included until entire installation is completed. This scope is based on this subcontractor being able to utilize a standard pump (up to 6") with a 2" discharge. Dewatering discharge to be handled by this subcontractor in accordance with all state and local requirements.

Once mobilized, snow removal is included until entire installation is completed.

Steel Subcontractor to coordinate and demo pockets for steel joists as required for installation of steel joists.

Miscellaneous Steel:

Subcontractor to furnish and install metal pan stairs, metal railings, ladders, ships ladders, grates, as indicated on the bid documents.

TP-11 - Structural Steel

Exhibit B

Steel Subcontractor to coordinate and demo beam pockets as required for installation of miscellaneous steel (stair landings, etc.)

This contractor shall furnish and install all required steel angles, tubes, posts, etc. as shown on the structural and architectural documents. Cold Formed Metals, brake metals are by others.

Furnish and install all floor mounted and wall mounted handrails.

This contractor shall coordinate with architectural woodwork contractor for handrail with wood tops.

This contractor shall coordinate with glass and glazing contactor for handrails containing glass and glazing.

This contractor shall furnish all steel and metals with finish as specified.

At cable handrails this contractor shall furnish and install handrailing and cables.

This contractor shall furnish and install all steel shapes required at vestibules.

Furnish and install mesh panel fencing at bike parking.

This contractor shall furnish and install all continuous bent plates.

Furnish and install guard railing infill at existing stairs.

All metals noted to be powder coat finish shall be by this contractor.

This contractor shall furnish and install the Bronze Handrailing at the exterior stairs. Grout required for installation is by this contractor.

This contractor shall furnish and install all loose metals.

This contractor shall furnish and install all required reinforcing steel at concrete opening at both horizontal and vertical locations.

This contractor shall furnish and install all required adhesive or epoxy anchors as it relates to the steel scope of work.

Steel frame for the auditorium desks provided by others

Steel frame for the wood fin feature is provided by others.

Trade Specific Safety Issues:

Fabricator, erector and the decker require 100% fall protection at 6 ft. and above.

Leading edge certified lanyards must be used when anchor point is 18" or less above foot level per OSHA requirements.

The ironworkers, erector and decker must attend the Pepper Safety Department Project Safety Plan for Steel Erection meeting and be knowledgeable of specific requirements prior to job start.

Attachment and placement of cable guardrails to columns must be predetermined prior to commencement of work. Generally, pre-drilled holes at 21" and 42" above finish floor elevation with holds offset to the outside of the column.

Columns should be designed by the Fabricator to extend a minimum of 48" above finish floors with holes or other devices to permit installation of perimeter safety cables prior to erection of next tier.

Cables cannot span more than 15' without a supporting stanchion or columns.

Roof levels must be protected with a Perimeter Guardrail System with spans between stanchions not to exceed 15'.

All openings greater than 16' square feet shall have cable guardrail systems installed in addition to being covered with 4 x wood members with plywood or decking.

Deck opening covers, whether steel or wood must be capable of supporting four times the maximum intended load. Temporary structural I-beams may be necessary for adequate support.

IMPORTANT - Cantilevered steel members must be supported throughout the erection process. Bolt connections designed as erection aids are provided for alignment purposes, not for structural support. An engineered shoring/support system must be provided until the time the members are fully welded/detailed and become self supporting.

A certified, competent person must be on site for each activity for which OSHA requires a competent person on site, including but not limited to excavations, scaffold use, fall protection, etc. Training certificates must be available upon request.

Trade Specific Hoisting:

Equipment/Hoisting/Lifts as necessary to maintain project schedule. Please confirm the type of equipment.

Subcontractor to include all costs associated with the mobilization, setup, teardown and demobilization of or equipment required to complete this scope of work. This includes any permits related to transporting crane to jobsite.

Subcontractor to Review Exhibit E - Logistics plan for coordination purposes. Identify any logistical issues in notes column.

For any interior work, this subcontractor to provide equipment (scissors lift, JLG, rolling scaffold) to access elevated work.

Proposed 2nd Tier Steel Erector Name:

This contractor shall be responsible for access to their working areas and includes all loading, mobilizations, lifts, devices to place and install steel, all rolling rigging, etc.

TP-11 - Structural Steel

Exhibit B

GPUP (Ground Penetration and Utility Plan)

Subcontractor performing any work underground must comply with the PCC GPUP Process and comply with filling out the Excavation Permit daily.

Subcontractor will attend a GPUP kick-off, hand-off, and any necessary coordination meetings to complete this process.

During site work the subcontractor will revisit the GPUP model, share GPUP model and deliverable information with operators, and ask questions as needed and as required.

Subcontractor has included XX pothole/hydro excavation locations in their scope of work. Indicate the quantity in the note's column.

Subcontractor has included a 4" PVC pipe 10' long and an end cap for each pothole/hydro excavation location.

Subcontractor has included sand to backfill holes as needed and as required.

Subcontractor has included all cost for public and private locates.

Subcontractor has included GPR as needed and as required.

Subcontractor has included \$\$\$ for a PCC surveyor to locate points and gather information for all new and existing utilities. Indicate the cost in the note's column.

Subcontractor has included \$\$\$ for a PCC labor to assist with the hydro and backfilling as needed and as required.

Subcontractor has included all 3D modeling of new and existing utilities associated with your trades scope of work.

Subcontractor has included all hardscape cutting, chipping, removal, and patching as needed and as required.

Subcontractor has included and allowance for CDOT permitting. Indicate the allowance carried in the note's column.

GPUP As-Built documentation requirements

a. Subcontractor will turnover a 3D model of all newly installed utilities.

b. Subcontractor will turnover a PDF and CAD file with top of utility elevation, size, and type of utility.

c. Subcontractor will survey utilities at the start and end of each run, every change of direction, as it ties into existing pipe or structures, and at each change in elevation.

d. All files will align with the PCC model and the subcontractor is responsible to ask questions and ensure files align before starting 3D coordination and submitting files for inclusion in the as-built NWF/NWD.

Please indicate in the notes column a \$\$\$ of what is included for GPUP as mentioned above.

Project Specific Scope of Work

This contractor shall furnish and install all welding protections appropriate for each task, this includes screens, partitions, fire extinguishers, fire blankets, etc.

Smoke eaters shall be used when performing indoor welding.

Specification Section/s

All Division "00", "01, 02" specification sections are included.

All specification sections listed in relevant part and section to this scope of work are included.

Specification Section/s: XXXXX

Provide AISC Certification per the specifications.

Div. 5 Metals

Allowances

Alternates

See Bid Form

Exclusions

Cold Formed Metal Framing is by drywall subcontractor.

Pepper Construction Company

White Hall BP-3

140 Patterson

Lexington Ky

Job#: 2300309

TP-12 - Architectural Woodworking

Exhibit B

Base Bid Including Taxes

TRADE SPECIFIC SCOPE OF WORK

This contractor shall furnish and install but not limited to all architectural woodwork, solid surfaces, benches, refinish and repair handrails, plastic laminates, wood wall panels, and desks and casework.

This contractor to provide all back splashes where identified on contract drawings.

Contractor to provide and install all fasteners in accordance with the drawings and specifications.

This contractor shall lead coordination with plumbing contractor for under-sink piping and fittings so that the casework encloses plumbing systems and maintains all required clearances.

This contractor shall furnish and install all required accessories required for a neat, clean, final product that is installed in a neat and workman like manner. This includes but not limited to all shims, fasteners, anchors, washers, beauty rings, grommets, etc.

This contractor shall install existing salvaged carved wood panels at locations shown within the construction drawings. This contractor shall coordinate with contractor storing materials before installation. These wood panels are stored on site, and this contractor is responsible for all transport of the materials from the storage area to the installation area.

This contractor shall provide all wood panel doors and hardware accessories for the casework or other architectural woodwork elements.

This contractor shall furnish and install all wood panels along with all mounting requirements and necessary wall blocking.

This contractor shall repair and refinish wood handrails where it is identified in the contract documents.

This contractor to install all new wooden handrails in accordance with the construction drawings and specifications.

This contractor shall paint any exposed substrate or support materials exposed and requiring paint as a final finish.

This contractor shall furnish and install all wood benches per construction drawings and specifications.

This Contractor shall provide miscellaneous fasteners, brackets, and small gauge steel required to be installed for support of countertops, work stations, or other architectural woodworking elements requiring support.

This contractor to provide and install any surface mounted blocking required for proper installation of millwork.

This contractor shall furnish and install the wood and steel scope of work shown for the wood fin detail shown in detail 2 on sheet A6.1.7, which includes all mounting supports and requirements to the floor, wood fins, steel for the wood fin system, top mounting assembly, and 1/8" bent aluminum plate and steel angle shown at the top of the wood fin system. Light gauge, CFMF framing, metal panel ceiling, and drywall installation by others.

This Contractor shall provide access grommets, wire management and PVC edging for countertops, doors, drawers, frames, etc.

This contractor shall include 40 hours of labor for misc. touch ups beyond what is included herein this document. These hours are to be tracked and signed off on by Pepper Site Staff.

This Contractor shall furnish and install all perimeter trim, and end trims at acoustical and wood panels. Provide all wood base materials as identified.

This contractor shall provide shop drawings in accordance with the construction drawings and specifications.

This contractor shall provide protection of all architectural woodwork during transit, delivery, storage, handling, and upon installation to prevent deterioration or damage.

This contractor to provide complete fabrication, including assembly, finishing, and hardware application before shipment to project site to maximum extent possible. Disassemble only if necessary for shipping.

Factory-cut openings, to maximum extent possible, to receive hardware, appliances, plumbing fixtures, electrical work, and similar items.

All keyed hardware is by this contractor, and if not specified this contractor shall furnish 2 keys per lock.

This contractor shall include additional mobilizations required by schedule and project documents so that flooring is installed prior to all floor mounted woodwork.

This Contractor shall provide casework units complete with bases, shelves, counter and worktops, finish and operating hardware, drawer accessories, and miscellaneous accessories, as indicated on the plans and specifications.

TP-12 - Architectural Woodworking

Exhibit B

This contractor shall repair damaged and defective architectural woodwork where possible to eliminate defects functionally and visually; where not possible to repair, replace architectural woodwork.

This Contractor shall provide touch-up kits for repair of minor surface scratches damaged during handling and installation.

This Contractor shall review all drawings for completeness of scope.

This Contractor shall protect all adjacent finished work during installation of material within this bid item. The cost to repair any damage caused by this Contractor to work by others will be deducted from your contract.

This contractor shall furnish and install caulking of their installed product and adjacent materials for a seamless installation.

This contractor to provide all solid surface field measuring and installation with accordance to the construction drawings and specifications.

This contractor shall furnish and install all required steel within their casework, desks, architectural elements, wood fin features etc. Steel handrails will be by other, and this contractor shall furnish and install the wood hand rail component.

This contractor shall furnish and install the plywood and solid surface materials listed in detail 5 on sheet A6.1.7

This contractor shall furnish and install all solid surface materials throughout the project site.

This contractor shall provide seaming for all solid surface materials at all joints for a smooth and continuous look.

This contractor shall remove, refinish, repair as required, and reinstall existing handrail located in the existing stairwells at the east and west side of the building see sheet A2.6.2 and other associated sheets for handrailing.

This contractor shall furnish and install graphics on casework.

Furnish and install glass and glazing along with all required accessories, clips, reglets, etc.

Remove, refinish & reinstall wood handrails at stairwells ST-A, B, C & D

Provide Auditorium millwork desks including all undercounter support steel

Provide all millwork benches complete including all upholstery, rough framing, etc.

Provide WD-01 wood veneer paneling & WD-03 wood wall panels including black painted blocking as noted

Provide all black acoustical blanket and 1" insulation located behind wood wall panels where noted

Provide all wood blocking and sheathing as it relates to this scope. All in wall support blocking is by others, but surface mounted wood blocking by this contractor.

Provide all wood framing for millwork benches

Provide wood fin features including all steel supports

Provide decorative C channel at micro market, open collaboration spaces , and lounges

Provide all solid wood handrails

Provide all cabinets and countertops including

Provide all Plam/solid surface at projector pockets

Provide all related solid wood trim where noted.

Refinish and reinstall existing salvaged wood carved wall panels

Provide all cabinets & countertops

Provide all millwork wood panel doors at AV closets where noted

Provide all support brackets for wall mounted countertops

This contractor shall include 40 hours of labor for misc. touch ups. These hours are to be tracked and signed off on by Pepper Site Staff.

Contractor to install any plywood blocking required to install their scope of work.

Specification Section/s

All Division "00", "01" specification sections are included.

All specification sections listed in relevant part and section to this scope of work are included.

Specification Section/s: XXXXX

Spec. 055000 Metal Fabrications

Spec. 055213 Exterior Pipe and Tube Railings

Spec. 055214 Pipe and Tube Railings

Spec. 061053 Miscellaneous Rough Carpentry

Spec. 064023 Interior Architectural Woodwork

Spec. 097413 Wood Wall Panel Systems

Spec. 099300 Staining and Transparent Finishing

Spec. 123200 Manufactured Wood Casework

Spec. 123661 Solid Surface Assemblies

Pepper Construction Company

White Hall BP-3

140 Patterson

Lexington Ky

Job#: 2300309

TP-14 - Glass & Glazing

Exhibit B

Base Bid Including Taxes

TRADE SPECIFIC SCOPE OF WORK

Bidder shall include a complete FURNISHED AND INSTALLED ("Provide" means to "furnish & install") system / assembly relevant to its scope of work as indicated in the contract documents and as per this scope of work document. Each scope of work section includes, but is not limited to, the following:

General Scope of Work

Subcontractor to furnish and install all glass walls, doors, storefront framing, accessories, and related hardware as per bid documents.

Furnish and install glazing per bid documents.

Contractor is to protect openings with plywood if glass is not installed.

Subcontractor includes glass thickness per height, width, framing conditions as per bid documents and per industry requirements.

Subcontractor includes segmented glass where glazing is shown in curved condition on bid documents.

Subcontractor includes furnish and install of specialty glass (patterned, tinted, sandblasted, fritted, and window films) as per bid documents.

Furnish and install framing systems for glazing as per bid documents. Profile and color / finish of framing system is included per bid documents.

Subcontractor to review building deflection per building structural engineer and coordinate with Pepper any / all steel or support systems required to support glass assembly.

Subcontractor includes specified framing system and specified glazing thickness; (top & bottom channel - surface mounted or concealed), glazing supported at two sides, glazing supported at four sides).

Furnish and install glass doors and their hardware per bid documents. Access controls integrated into the hardware shall be by this contractor.

Remove, distribute and install existing glass doors and their hardware where shown on bid documents.

Access control wiring installed through the door shall be furnished and installed by this contractor from the hardware set through the door and frame with at least a 3' coil of wire above ceiling for the access control contractor to make connections.

Subcontractor to include all equipment, means and methods required for access to their scope of work, and to stock the project.

Furnish and install specified hardware.

Provide holes and cutouts in glass to receive hardware, fittings and any specified accessory fittings as per bid documents. This includes required holes required by other trades or scopes.

Subcontractor to coordinate all hardware with electrical contractor, security vendor and Owner to ensure compatibility with specified electric and security devices.

Furnish cores / cylinders per final keying, for installation by others.

Furnish and install door lites per bid documents.

Furnish and install glazing within borrowed lites per bid documents.

Furnish and install glazing within sidelite frames per bid documents.

Subcontractor to furnish and install interior (and exterior) caulking, sealants, backer rod, glazing gaskets, etc. for glazing system per bid documents.

Furnish and install clear caulking at butt joints of glass.

Furnish and install all angles and drip edges, caulking, backer rod, etc. These metals shall match prescribed metals by contract documents, and are to match metals installed by others if of like color.

Subcontractor to furnish and install specified back painted glass per bid documents. Include substrate for back painted glass as detailed per bid documents.

TP-14 - Glass & Glazing

Exhibit B

28	Subcontractor to include all required sleeves, cores, box outs, and saw cutting and indicate said on shop drawings for Structural Engineer's review prior to placement or cutting.
29	Verify openings, dimensions and conditions of the installation at the project site prior to preparation of shop drawings and fabrication to ensure proper fitting of components. Show and note field conditions on shop drawings. In some cases this contractor will be required to proceed with shop drawings prior to the openings being constructed, in this case other contractors may be required to furnish openings via guaranteed dimensions.
30	Furnish and install all frameless mirrors with hardware as detailed per bid documents.
31	This trade includes attachment to structure as detailed.
32	This trade to assist in coordinating opening sizes with associated trades.
33	Furnish and install specified entrance doors and their hardware.
34	Furnish and install specified aluminum entrance doors and their hardware.
35	Furnish and install motorized entrance doors at all locations and their hardware as per bid documents. The electrical contractor shall bring line voltage to the operator, at specified knockout or hole provided by this contractor. This contractor shall land line side voltage to the operator. Fire alarm will be provided by others if required. Electrical connection will be supplied to the hole provided by this contractor, and wiring terminated inside of operator by this contractor. This contractor shall furnish and install all actuator wiring to and from the push button, or actuation device, and terminate. This contractor will also furnish and install all push buttons or operator actuators in wall, and at the pedestal or bollard which is also furnished and installed by this contractor.
36	Furnish and install custom applied graphic film at glass walls as per bid documents.
37	Subcontractor to clean interior glass each side at time of punch list. Remove any shipping / distribution labels, or any added anti collision markings prior to cleaning
38	Subcontractor to include final wipe down of framing system at time of punch list.
39	Subcontractor to include final adjustments at time of punch list.
40	Subcontractor to remove and replace glass that is damaged during construction period.
41	Provide craft paper protection after installation of glass doors.
42	Furnish and install auto operators as per bid documents.
43	This contractor shall furnish and install all glass and glazing in steel framed systems/ Stair Railings installed by others. Shop drawings and field measurements will be required by this contractor for proper fit and alignment.
44	Subcontractor to furnish and install all applicable all framing, clips, flashings, end dams, drip edges, membranes, sealants for a complete and water tight glazing system. Provide continuity of air/vapor barrier / system to the windows/curtain wall per contract documents.
45	Subcontractor to furnish and install all applicable flashings, end dams, drip edges, membranes, sealants for a complete and water tight glazing system. Provide continuity of air/vapor barrier / system to the windows/curtain wall per contract documents.
46	Subcontractor to provide all material exactly as specified including profiles of framing systems to match architect's design, color, low E, tint, finish, manufacturer, etc.)
47	Subcontractor to provide and coordinate any embeds required for your system need to be provided and installed by this subcontractor (including notching the pour stop).
48	Subcontractor to provide coordination of floor box-outs for recessed hardware and thresholds. If box-outs are not coordinated prior to placement of concrete, provide saw cutting as required for installation of recessed entrance door hardware including thresholds and closers.
49	Subcontractor has included coordination of electric door hardware and card/remote access as required with electrical and low voltage subcontractors.
50	Subcontractor to include structural shops & stamped calculations as required.
51	Furnish and install complete metal panel system including but not limited to applicable insulation, air/vapor barrier membrane, metal framing, base or sill angles, supports, anchors, fasteners, gaskets, backer rod, flashing, bituminous coating, closure strips, sealing tape, joint sealants, and galvanized steel as required.
52	Subcontractor has included vertical & horizontal surfaces.
53	Engineering & Shop Drawings, including calculations, stamped and sealed by engineer.
54	Subcontractor to include framing, supports, clips, girts for proper attachment to building structure as required for metal panel system.
55	Subcontractor has reviewed material for compatibility with surface materials and finishes as well as adjacent surfaces. Subcontractor has included similar metals or separation between dissimilar metals as required.
56	Subcontractor to indicate any steel required to support glass systems in shop drawings.
57	Subcontractor to include field visit(s) as necessary to verify and take field measurements of all openings.
58	Subcontractor to provide sill extensions, sill flashing as required at punched openings.
59	Subcontractor has included interior storefronts as shown on bid documents.

TP-14 - Glass & Glazing

Exhibit B

Subcontractor to furnish and install all interior glazing including spandrel glass, borrowed lites, corridor windows, and glazing at HM openings.

Subcontractor has included fire rated glass as indicated on the bid documents.

Subcontractor to provide glazing in factory. Please advise if any glazing will be installed in the field.

Provide temporary protection on all installed products. Subcontractor to provide removal at substantial completion or as directed by PCC superintendent.

Backer rod & sealant to concrete, masonry, cast stone, exterior grade drywall, wood blocking, aluminum & steel.

Subcontractor has included firesafing, firesafing insulation, and fire caulk at top & bottom of openings.

Subcontractor has included two lines of caulking minimum or more per bid documents.

Subcontractor has included caulking (interior and exterior) for all systems installed. Subcontractor has included additional mobilizations as necessary to install caulking after interior finishes are in place.

Equipment/Hoisting/Scaffolding as necessary to maintain project schedule. Please confirm the type of equipment.

Trade Specific Safety Issues

For multi-story buildings, swinging loads on to floors by pulling the loads in is not permitted. If hoists are not adequate and or not available, lookouts must be utilized. Lookouts must be capable of supporting maximum load and must be designed by an engineer.

Employees exposed to unprotected sides or edges which are 6' or more above a lower level must be protected from falling by the use of guardrail systems, safety net systems or personal fall arrest systems.

Scaffold systems being used must support 4 times the maximum intended load. Scaffold systems must be designed by a qualified person and must be inspected daily by a competent person before each use.

All scaffold planking used must be a scaffold grade lumber.

Employees working on, erecting, disassembling, or moving the scaffold must receive training in safe work practices.

Employees using 2 point suspension scaffold systems must be secured to a lifeline that is anchored independent from the scaffold system.

Articulating boom lifts must not be used to transport materials unless designed to do so and within capacity of the lift.

This contractor shall furnish and install all metal panels, clips, and accessories at the exterior of the building. All panels shall maintain even and aligned reveals.

Subcontractor to furnish and install all glass walls, doors, storefront framing, accessories, and related hardware as per bid documents.

Furnish and install all aluminum fins at the exterior of the building. Include all base plates as shown. This contractor shall provide all access to work area, and all safety requirements. Coordination with Roofing contractor who will be installing the liquid and metal flashing will be required.

Project Specific Scope of Work

This contractor shall be prepared to conduct their own water testing prior to testing by testing agency to identify any potential issues early, this testing can be self performed if coordinated with PCCO. Pepper Construction Quality Manager shall be in attendance to witness the pretesting, unless approved otherwise by Pepper' Project Manager.

Coordinate frame prep for wood doors being supplied by others that get installed into aluminum door frames by this contractor.

Provide all door hardware for aluminum doors

Provide all exterior aluminum curtain wall and storefront systems

Specification Section/s

All Division "00", "01" specification sections are included.

All specification sections listed in relevant part and section to this scope of work are included.

Specification Section/s: XXXXX

Spec. 055213 Exterior Pipe and Tube Railings

Spec. 055214 Pipe and Tube Railings

Spec. 057313 Glazed Decorative Metal Railing

Spec. 076200 Sheet Metal Flashing and Trim

Spec. 079200 Joint Sealants

Spec. 081416 Flush Wood Doors - As applies to this scope

Spec. 084113 Aluminum-Framed Entrances and Storefronts

	TP-14 - Glass & Glazing Exhibit B
97	Spec. 084413 Glazed Aluminum Curtain Walls
98	Spec. 087100 Door Hardware
99	Spec. 088000 Glazing
100	

Pepper Construction Company

White Hall BP-3

140 Patterson

Lexington Ky

Job#: 2300309

TP-15 - Drywall & Framing, Acoustical & Wood Ceilings, Metal Panels, Envel Panels, Acoustic Panels, and Cold Form Metal Framing

Exhibit B

Base Bid Including Taxes

TRADE SPECIFIC SCOPE OF WORK

This Contractor shall provide all studs and framing, gypsum board, including gypsum board on interior face of walls, and gypsum board ceilings, soffits, bulkheads etc. as noted, cold formed metal framing, building insulation, and joint sealants including, but not limited to, the following:

Provide interior wall/partition batt/sound attenuation insulation complete for acoustically treated partitions per contract documents and specifications. This includes all sound caulking.

Provide all metal stud framing per contract documents and specifications. Provide all fasteners, plates, headers, reinforcing, openings, splices, braces, welds, runners, furring (metal / wood), bridging, spacing, accessories, clips, anchorage devices, and etc.

Provide a complete gypsum board systems- ready for finish wall covering and/or paint including drywall accessories, tape compounds, sanding, corner bead, channels, stops, openings, textures, fasteners, adhesives, reinforcing, water-resistant gypsum, cementitious backer board, trim shapes, edge trim, control joints, etc.

This contractor is responsible to attend the Prebid meeting to review the existing site condition, or schedule a project walk with Pepper Construction to review the site conditions.

This contractor shall furnish and install control joints.

This contractor shall provide a shop drawing showing the location of control joints.

This Contractor shall install framed openings for other trade contractors (i.e. grilles, diffusers, ductwork, cable tray, access panels, etc.) The responsible trade Contractor shall perform and provide all necessary layout for materials located in or pass through gypsum board walls / ceilings prior to the installation of adjacent substrate as to allow this Contractor to frame required openings. Other trade Contractors shall perform layout, in a timely manner as to maintain project milestones and overall schedule. The other trade Contractors shall be responsible for this Contractor's time and material costs if the necessary layout and / or access for the above mentioned materials are not provided in a timely manner as to maintain project milestones and overall schedule.

This Contractor will be responsible to install, maintain, and remove all shaft and stairwell safety barricades as needed to install work. The materials removed are to be neatly organized in a location as directed by Pepper Construction for removal from the site by others.

Include the installation of 10 access panels to be provided by others. This includes all labor, materials, and equipment to cut in finish drywall and frame access panels provided to this contractor.

This contractor to review the finish room schedule and include all requirements listed within the finish schedule for walls and ceilings requirements.

If materials are needed to be replaced to maintain OSHA requirements this contractor shall modify and replace.

All drywall surfaces must be completed by this contractor, finished, unblemished and acceptable for application of finishes. Once Pepper Construction and this contractor deems surfaces ready for the application of finishes the painter will apply one coat of colored primer. The wall surface will then be inspected using a 100 watt light bulb held 24" from the wall at a 45 degree angle. Any defects visible during this inspection will be pointed out and re-sanded and made ready for re-priming.

This contractor shall coordinate with Pepper Construction Superintendent to regulate building conditions for drywall installation, and all dry wall finishing activities.

Drywall located both the second and third floors shall be installed as moisture resistant board.

Drywall taping, bedding, and finishing of moisture resistant board shall be included within this scope of work.

This Contractor shall protect all floors, fixtures and equipment in work areas and remove all drops, smears and debris leaving work in a clean, finished, first class condition.

This Contractor shall provide fire-rated drywall ceilings where required by code.

This Contractor shall remove all debris from work areas generated from this scope of work.

This Contractor shall provide all required interior metal framing for walls, soffits, ceilings, bulkheads and drop bulkheads.

This Contractor shall provide all required stud bracing and kickers.

Kickers shall be coordinated with Mechanical, Electrical, Plumbing, and Fire Protection contractors.

TP-15 - Drywall & Framing, Acoustical & Wood Ceilings, Metal Panels, Envel Panels, Acoustic Panels, and Cold Form Metal Framing
Exhibit B

21	This scope of work includes the framing, and installation of 10 access panels furnished by others.
22	This Contractor will be required to board one side of all walls at the direction of Pepper Construction. In addition you will be asked to top out the board on corridor walls and any other walls which have large runs of pipe conduit or ductwork running parallel and close to the wall which would make topping out difficult if not impossible once the MEP work is in place.
23	This Contractor shall furnish drywall to within ½" of floor leaving no factory beveled edge at floor.
24	Drywall finish at floor level shall be finished so that floor base can be applied preventing waves, lumps, undulations, etc. so that floor base can be installed consistently.
25	This contractor shall patch holes and seal around penetrations in wet walls with waterproofing materials.
26	This Contractor shall provide all sound caulking for all penetrations for all floor to ceiling drywall.
27	This Contractor shall be responsible for preparing the joint at the top and bottom of rated walls for receipt of firestopping materials to be installed by the firestopping specialty contractor.
28	This contractor shall furnish and install fire rated assemblies in accordance with UL, and provide fire stopping for these assemblies in accordance with UL standards.
29	Responsible for coordinating all Work in this Scope and Work that interface with other trades
30	Field-verify all dimensions on site to ensure accurate sizes for all items.
31	This contractor may be assigned or required to build to guaranteed dimensions. When guaranteed dimensions are required this contractor shall provide coordination prior to guaranteeing dimensions, and shall build to these dimensions.
32	Responsible for deliveries associated with this Scope of Work
33	All deliveries will be coordinated with the CM's Superintendent prior to receipt of any.
34	Responsible for delivering, receiving, unloading, inventorying, and storing all materials related to this Scope of Work.
35	Material shall be stored on site as designated by the CM.
36	Provide all rigging, hoisting equipment (and hoisting operator), and all other necessary equipment to complete the Work.
37	Align and plumb door frames
38	Contractor is not responsible for providing doors or frames. Interior partition door frames will be furnished by others and installed by the General Trades Contractor. Frames will be placed prior to construction of enclosing walls and ceilings. The General Trades contractor will position, plumb, align, level and brace frames until permanent anchors are set. This Contractor is responsible to check, verify, and plumb door frames after drywall installation.
39	All temporary lights to supplement this Contractor's Work are the responsibility of the Contractor.
40	This contractor shall furnish and install all required additional steel supports as described in the contract documents in article height, or half walls where the wall is not supported on the top.
41	Pepper Construction will provide basic layout lines and elevations to facilitate the installation of this Contractor's work. This Contractor will be responsible for all layout of their work, and shall verify all elevations and locations on which their work will rest. Notify Pepper Construction of any discrepancies immediately.
42	This Contractor shall provide all scaffolding, hoisting equipment (including operator) and all other necessary equipment to complete the work. Lifting and hoisting equipment will not be provided by Pepper Construction.
43	This Contractor shall be responsible to remove and maintain all perimeter safety barricades previously installed by others as needed to install work. The materials removed are to be neatly organized in a location as directed by Pepper Construction for removal from the site by others. Remove /modify/replace temporary safety barricades as a result of constructing new partitions.
44	Multiple crews and mobilizations may be required for all work in order to meet the project schedule.
45	If this Contractor is unable to maintain the project schedule, they will be required to work overtime, as necessary, at no additional cost to the Pepper or the Owner.
46	All required delegated design for framing systems shall be by this contractor including but not limited to procurement, coordination, design, and Professional Liability Insurance
47	Ceilings
48	This Contractor is responsible for Acoustical Ceiling, Wood Ceiling, Metals Panels, and Gypsum systems expansion joints within ceiling system, and joint sealants to provide a complete project including, but not limited to, the following: Coordinate construction layout and installation of acoustical panel and suspension system with other construction that penetrate ceilings or is supported by them, including light fixtures, HVAC equipment, fire suppression system, communication, security, fire alarm and partition assemblies.
49	Provide all anchors, fasteners, wire hangers, braces, ties, hanger rods, trapezes, angle hangers, hold-down clips and impact clips for the acoustical ceiling work.
50	Provide all edge moldings/trim, reveal edge molding, and all suspension systems runners for the acoustical ceiling work.
51	Provide all ceiling expansion joints.
52	

TP-15 - Drywall & Framing, Acoustical & Wood Ceilings, Metal Panels, Envel Panels, Acoustic Panels, and Cold Form Metal Framing
Exhibit B

53	Provide all cut panels where required to fit recessed lighting fixtures and distribution devices and sprinkler drops in wood ceilings only.
54	Provide additional hanger wires and supplemental suspension members at corners of each lay-in fixture and elsewhere as required by each item installed in the ceiling.
55	Provide all required ceiling tiles to the electrician for the installation of exit signs and fire alarm devices required to be installed in the tile.
56	Cooperate with other trades whose work are affected or are performed in conjunction with the acoustical ceiling work. Clean all tiles and tees.
57	Grid systems are to be capable of supporting all ceiling loads.
58	Protect all floors, fixtures and equipment in work areas and remove all drops, smears and debris leaving work in a clean, finished, first class condition.
59	Provide ceiling tile and grid systems with all incidental accessories required to provide a complete installation. Grid systems are to be capable of supporting ceiling loads without sagging.
60	Once the ceiling grid is installed and when directed by Pepper Construction, the Contractor will be required to install all ceiling tile perimeter cut ahead of the rest of the field. All ceiling tile scraps are to be placed in the dumpster provided by this contractor. No trash is to be left above the ceiling.
61	Provide seismic clips, struts, and stabilizer bars as indicated in the specifications and/or on the plans.
62	Paint edges of all fiberglass ceilings tiles, and exposed edges of tegular ceiling tiles.
63	All wood ceilings and associated components to the wood ceilings shall be installed by this contractor.
64	This contractor shall coordinate with the Mechanical, Electrical, Plumbing, and Fire Protection trades for the installation of all devices and cut wood ceiling for the installation of devices by others.
65	All ceilings shall be installed in a neat and workman like manner so that all ceilings are installed in a clean, uniform, and linear manner free of waves, undulations, or other undesirable effect.
66	This contractor shall furnish, and use touch up kit provided by manufacturer.
67	This Contractor is Responsible for coordinating all Work in this Scope and Work that interface with other trades
68	Field-verify all dimensions on site to ensure accurate sizes for all items.
69	This contractor shall furnish shop drawings for ceiling in rooms 102, 104, 106, 108, 110 and 112 specifically within (2) two weeks of contract issuance.
70	These drawings shall include all required dimensioning for coordination with MEPF contractors, angles, access points, system support, etc. to be use in conjunction with the MEPF coordination.
71	This contractor shall provide Pepper Construction shop drawings for other specialty ceiling areas upon request.
72	This contractor shall furnish shop drawings of the wood ceiling areas within (2) two weeks of contract issuance.
73	This contractor may be required to participate in MEPF coordination meetings periodically. Pepper Construction will coordinate with this contractor on requirements needed in MEPF coordination meetings.
74	This contractor is Responsible for deliveries associated with this Scope of Work
75	All deliveries will be coordinated with the Pepper Sure Superintendent prior to receipt of any.
76	This contractor is Responsible for delivering, receiving, unloading, inventorying, and storing all materials related to this Scope of Work.
77	Material shall be stored on site as designated by the CM.
78	Provide all rigging, hoisting equipment (and hoisting operator), and all other necessary equipment to complete the Work.
79	All temporary lights to supplement this Contractor's Work are the responsibility of the Contractor.
80	Pepper Construction will provide basic layout lines and elevations to facilitate the installation of this Contractor's work. This Contractor will be responsible for all layout of their work, and shall verify all elevations and locations on which their work will rest. This Contractor shall verify that the layout of lights, openings, and ceilings matches that shown in the contract drawings. Notify Pepper Construction of any discrepancies immediately.
81	Acoustical and directionally patterned units shall be arranged and oriented in a manner shown by reflective ceiling plans.
82	This Contractor shall provide all scaffolding, hoisting equipment (including operator) and all other necessary equipment to complete the work.
83	This Contractor shall be responsible to remove and maintain all perimeter safety barricades previously installed by others as needed to install work. The materials removed are to be neatly organized in a location as directed by Pepper Construction for removal from the site by others. Remove /modify/replace temporary safety barricades as a result of constructing new partitions.
84	Multiple crews and mobilizations may be required for all work in order to meet the project schedule.
85	Exterior Framing, Sheathing & Air Barrier

TP-15 - Drywall & Framing, Acoustical & Wood Ceilings, Metal Panels, Envel Panels, Acoustic Panels, and Cold Form Metal Framing

Exhibit B

This Contractor is responsible for the exterior metal stud framing, metal accessory, metal panel, and sheathing to provide a complete and total enclosure of the building envelope including, but not limited to, the following:

Provide all exterior metal stud framing and exterior sheathing for the exterior gypsum wallboard system as shown on the documents to provide a complete enclosure. Sheathing joints shall be taped and/or sealed per manufacture's written instructions.

Provide all exterior weather and air barriers as shown on the documents including sealing all joints as required. This Contractor shall coordinate the timing and installation of the barriers(s) with glass and glazing contractor and shall patch and flash the barrier as required after the installation of other systems in this area.

Include all attachment clips including welding or epoxy anchors as required.

Include all insulation board, and spray foam insulation where identified in contract documents.

Include metal accessories required for a complete installation of the exterior systems.

Include all parapet metal stud framing.

Furnish and install "protruded fiber glass" components.

Furnish and install stainless steel flashing to square tubing provided by others.

Furnish and install metal panels.

Support metals panels at appropriate intervals so that oil canning does not occur.

Include all gauged metal stud framing and bracing, exterior Envel Panels and wood or gypsum sheathing and insulation for exterior canopies and soffits and other similar locations.

Furnish and install wall complete wall panel system including but not limited to the framing, insulation, air and weather barriers, flashing, copings, blocking, clips, sealants, fasteners, and panels.

This Contractor is responsible to coordinate all openings in the exterior wall systems with other trades.

Provide and install all sprayed foam insulation shown inside, or around cold formed metal framing.

Furnish and install rigid insulation and 5/8" non-combustible plywood over parapet walls for roof terminations.

This contractor to include mock-up of typical exterior section for metal stud framing, exterior sheathing, air / water barrier, and rigid insulation in conjunction with other exterior envelope elements for review. Mock-up will be in place on the building.

Include the use of low temperature products if required based on the time of year the products are to be installed.

Sheathing joints shall be taped and/or sealed per manufacture's written instructions and as specified.

Furnish and install Membrane Air / Vapor Barrier wrap complete at all locations including window and penetrations.

Include all wood blocking at window and door openings. This contractor is responsible for all rough opening sizes per the curtainwall and door shop drawings. Any re-work due to incorrect sizes will be the responsibility of this contractor.

This Contractor is responsible for any patching and repair of any fireproofing damaged during the installation of their work.

This Contractor shall finish the installation of flashing, counter flashing, and other beak metals as required.

Pepper Construction will provide basic layout lines and elevations to facilitate the installation of this Contractor's work. This Contractor will be responsible for all layout of their work, and shall verify all elevations and locations on which their work will rest. This Contractor shall verify exterior stud locations and all rough openings prior to starting work.

This Contractor shall provide all exterior weather and air barriers installed on metal framing or gypsum products as shown on the documents, including sealing all joints as required. This Contractor shall coordinate the timing and installation of the barriers(s) with Window and Masonry Contractor and shall patch and flash the barrier as required after the installation of masonry ties and other penetrations per the drawings and specifications.

This contractor shall furnish and install bent metals at that tie into their exterior system, and all liquid barriers, and self adhesive barriers.

This Contractor shall furnish and install vertical taping joints in accordance with the weather and air manufacturer's instruction for building wrap regardless of whether or not the specification calls for it.

This Contractor shall also include wrap and/or flashing for all door and window openings.

Also, regardless of specification, this Contractor shall furnish and install building wrap that contains ridges to help water move vertically.

This Contractor shall include on-going periodic visits for inspections by the manufacturer for the air and water barrier.

This Contractor shall be responsible to remove and maintain all perimeter safety barricades previously installed by others as needed to install work. The materials removed are to be neatly organized in a location as directed by Pepper Construction for removal from the site by others. Remove /modify/replace temporary safety barricades as a result of constructing new partitions.

Multiple crews and mobilizations may be required for all work in order to meet the project schedule.

TP-15 - Drywall & Framing, Acoustical & Wood Ceilings, Metal Panels, Envel Panels, Acoustic Panels, and Cold Form Metal Framing

Exhibit B

If this Contractor is unable to maintain the project schedule, he will be required to work overtime, as necessary, at no additional cost to the Owner. If framing, sheathing and air barrier work falls behind through no fault of this Contractor, or the number of lost weather days indicated on the Pepper Construction weather calendar provided, is exceeded, the Owner will pay for premium time. If the delay to the framing, sheathing and air barrier work is caused by another Contractor's non-performance, Pepper Construction will deduct the overtime premium from the Contractor causing the delay.

This contractor shall coordinate with the Mechanical, Electrical, Plumbing, and Fire Protection trades for the installation of all devices and cut wood ceiling for the installation of devices by others.

All required delegated design for framing systems shall be by this contractor including but not limited to procurement, coordination, design, and Professional Liability Insurance.

Ultra-High Performance Concrete panels (UHPC) and Envel Panel Systems.

If required, this contractor shall request CAD Files per contract specifications in a timely manner as not to delay shop drawing process. There will be no cost for CAD files.

Coordinate work with all other contractors especially caulking, roofing, concrete, curtain wall, stone masonry and any other that would affect the system.

Perform all required layout from points provided by Pepper Construction.

Field verify all dimensions. Notify Pepper Construction if discrepancies are found.

Comply with the General Notes and details as indicated on the drawings.

Any winter protection required to complete this scope of works shall be included under this scope of work.

Temporary water will not be available on the site throughout the duration of this scope.

Multiple mobilizations are to be included.

Furnish and install a complete UHPC Panel System in accordance with manufacturers standard details and requirements.

Provide and install all necessary flashings and waterproof backing systems as necessary to provide a complete and watertight system.

Provide all necessary caulking within the composite panel system for a complete and watertight system. Include caulking of composite panels to all dissimilar joints, except to the curtain wall (i.e. stone, flashing, coping, etc.... to composite panels).

Additional mobilizations may be required to complete caulking to dissimilar materials. This cost must be included in the base bid.

Repair damaged and defective panels to eliminated defects functionally and visually. Where not possible to satisfactorily repair damage and defects, provide new panels. Damage caused by others will not be the responsibility of this contractor.

Provide standard manufacturer's warranty as well as requirements set forth by the specifications.

Warranty date commences from the project date of substantial completion.

Clean panels of any dirt or debris at the completion of this contractor's work.

A 3rd party consultant will be hired by Pepper Construction to review all exterior envelope items. Provide safe access for the consultant to review installation.

Furnish and install all fascia and soffit materials

Furnish and install metal flashing

Provide preformed metal coping

This contractor shall coordinate with the Mechanical, Electrical, Plumbing, and Fire Protection trades for the installation of all devices and provide cut wood ceiling for the installation of devices by others.

This building will be utilizing an exterior sprayed on vapor barrier system. Any penetrations must be properly sealed per manufacturers recommendations. See section 00 31 00 Supplementary Project Information for the basis of design system details.

Wood ceilings shall be ran in a smooth, continuous, and perfectly linear fashion.

Include mobilizations as required to coordinate with project phasing, sequencing, etc.

Acoustical Panels

This contractor shall furnish and install all acoustical panels and panel assemblies for a complete system and as described in the contract documents.

Furnish and install all acoustical panels as shown in the contract documents.

This contractor shall provide a clean and neat installation with consistent spacing and alignment.

This contractor shall furnish and install all acoustical insulation behind wood wall panels.

This contractor shall furnish and install all acoustical blankets behind wood panels.

This contractor shall furnish and install all required plywood blocking to support wood panels.

This contractor shall provide all mounting installation means and methods in compliance with the manufacturer's recommendations or direction for all acoustical assemblies.

TP-15 - Drywall & Framing, Acoustical & Wood Ceilings, Metal Panels, Envel Panels, Acoustic Panels, and Cold Form Metal Framing

Exhibit B

Bidder shall include a complete FURNISHED AND INSTALLED ("Provide" means to "furnish & install") system / assembly relevant to its scope of work as indicated in the contract documents and as per this scope of work document. Each scope of work section includes, but is not limited to, the following:

General Scope of Work

GYPSUM DRYWALL & FRAMING

Furnish and install partition types as per bid documents.

Furnish and install drywall ceilings and soffits as per bid documents.

Furnish and install drywall enclosures at columns as per bid documents.

Furnish and install GFRG column enclosures as per bid documents.

Subcontractor includes partitions per review of deck height, limiting height considerations, and manufacturer recommendations.

Indicate in NOTES column the deck height included for bid comparison purposes.

Furnish and install sound attenuation blankets within wall cavities and above ceilings as per bid documents.

Subcontractor to furnish and install building perimeter wall detail and head condition as per bid documents.

Subcontractor includes patching and repair of demo scars.

Furnish and install header and jamb system to account for opening size (i.e. doors, windows, duct openings, etc.) limiting heights and building deflection requirements.

Furnish and install bracing / posts / in wall stiffeners for all low height or any full height partitions as specified, as required per bid documents.

Subcontractor to provide caulking for all sound and rated partitions.

Furnish and install sealing at electrical boxes as required per bid documents.

Review layout prior to track installations with PCC Superintendent.

Review final tape coat prior to prime coat with Painting subcontractor and PCC Superintendent.

Include 40 hours of finishing and wall repair labor to restore existing offices as directed by Pepper.

This contractor to provide and install reinforced ACG where wood ceilings are specified in the construction drawings.

This contractor shall paint all exposed framing shown on the contract documents.

Review and correct imperfections after prime paint coat.

Furnish and install control joints at drywall partitions and ceilings per bid documents and per manufacturers recommendations.

Subcontractor to submit control joint location shop drawings for architect review.

Furnish and install expansion joints.

Furnish and install connection and trim where drywall partitions meet mullions as per bid documents.

Subcontractor to coordinate location of framing with the final coordinated location of outlets.

Install access panels at walls and ceilings as furnished and located by MEP/FP trades. MEP/FP trades to submit access panel plan for architects and Owners review.

Furnish and install top track as specified and designed to account for the building deflection. In NOTES column, indicate head track system included for bid comparison purposes (to coordinate # of inches for no fly zone required of associated trades). Contractor to review deflection as per construction documents and review with PCC Superintendent.

Furnish and install tile backing panels / water resistant gypsum board backing board per bid documents. Review specified wall tile size for appropriate backing panel (i.e. durrock).

Furnish and install level 5 finish at locations indicated within bid documents. (Locations such as wallcovering, specialty marker board painting, dark tone paints, specialty marker board wallcovering, specialty lighting conditions, high gloss finishes and writable surfaces.)

Furnish and install fire taping at penetrations that are install during top out.

Furnish and install ice and water sheild at interiors as called out, and at the vestibules.

Furnish and install concrete board at walls scheduled to receive ceramic tiling.

Furnish and install walls per wall type schedule.

Furnish and install lead lined partitions as scheduled, as shown per bid documents.

Furnish and install abuse resistant drywall as scheduled, as shown per bid documents.

Subcontractor has included review and verification that there are not any curved walls that are rated (curved walls cannot be fire rated). (Consider conventional plaster wall for curved, rated partitions).

Furnish and install head of wall fire stopping, including accounting for building deflection, around the wall. Subcontractor will not interrupt fire stopping for a non-rated wall or a wall of lesser rating. (Note; Exit stairs take priority over same rating of another room/space, including elevator shaft).

TP-15 - Drywall & Framing, Acoustical & Wood Ceilings, Metal Panels, Envel Panels, Acoustic Panels, and Cold Form Metal Framing

Exhibit B

193	Subcontractor has included review and wall priorities associated with any STC / acoustical rated and any fire rated partitions. Review MEP/FP blocking acoustical details and sequencing of installation.
194	Subcontractor has included review and inclusion of the wall performance criteria.
195	Contractor to coordinate with window shade contractor prior to framing window shade pocket.
196	Subcontractor to verify the metal studs and fasteners with manufacturer in conjunction with drywall partition requirements.
197	Subcontractor will furnish and install an engineered system per the manufacturer requirements for all wall openings, including but not limited to; doors, windows, and MEP/FP openings.
198	This trade to furnish and install the support of, and drywall ceiling opening for, specified projection screens as furnished by others and installed by this trade.
199	This contractor shall coordinate with the glass and glazing contractor and Pepper Construction when installing window systems. Framing and/or drywall maybe required to be left out to complete the storefront and curtain wall systems.
200	Furnish and install metal framing & any wood blocking above finished ceiling for window shades.
201	This contractor shall include 400 hours for addition wall repair above and beyond what is already included herein and will be directed and approved by Pepper Superintendent.
202	Subcontractor to include all equipment required for access to their scope of work.
203	Furnish and install framing systems / finished headers as per bid documents for items such as storefront system, aluminum framing system, demountable partitions, operable partitions, etc.
204	Subcontractor to include within their scope of work, and lead the coordination of, 'priority walls' with the MEP/FP trades and Pepper. 'Priority walls' include but are not limited to, full height walls that require installation of framing and board prior to installation of MEP/FP due to clearance / access restrictions for the drywall trade after MEP/FP is installed. Drywall subcontractor to lead coordination meeting / effort as appropriate within schedule to ensure coordinated effort between drywall trade and MEP/FP trades (and any other pertinent trades).
253	CFMF (Cold Form Metal Framing) in addition to Gypsum Drywall & Framing)
254	Subcontractor to furnish and install exterior sheathing as indicated as per bid documents.
255	Subcontractor to coordinate AVB (air vapor barrier) installation so that UV exposure does not exceed manufacturer allowable exposure timeframe. Indicate in NOTES column allowable manufacturer exposure timeframe; i.e. 30 day, 60 day, 90 day, etc.).
256	This trade to furnish and install exterior structural stud framing as per bid documents.

TP-15 - Drywall & Framing, Acoustical & Wood Ceilings, Metal Panels, Envel Panels, Acoustic Panels, and Cold Form Metal Framing
Exhibit B

257	This trade to furnish and install specified insulation at soffits. (Note: Insulation behind Masonry provided by others).
258	Subcontractor to submit delegated design State of Illinois engineered, stamped, sealed shop drawings, product data & samples as per bid documents.
259	CFMF subcontractor to participate in exterior skin plan review coordination meeting with pertinent trades and PCC.
260	Wall Panels
261	Furnish and install complete metal panel system including but not limited to applicable insulation, air/vapor barrier membrane, and ice and water shield, metal framing, base or sill angles, supports, anchors, fasteners, gaskets, backer rod, flashing, bituminous coating, closure strips, sealing tape, joint sealants, and galvanized steel as required.
262	Subcontractor has included vertical & horizontal surfaces.
263	Engineering & Shop Drawings, including calculations, stamped and sealed by engineer.
264	Subcontractor has reviewed material for compatibility with surface materials and finishes as well as adjacent surfaces. Subcontractor has included similar metals or separation between dissimilar metals as required.
265	Subcontractor to include framing, supports, clips, girts for proper attachment to building structure as required for metal panel system.
266	Subcontractor has included metal panel assembly proud of the sheathing per bid documents.
267	Subcontractor has reviewed the gauge, material, span length, etc. as specified and included framing as necessary to avoid "oil canning" or dimples in the metal panels.
268	Contractor to furnish and install any waterproofing, AVB, and drip edges associated with waterproofing the exterior metal panel system.
269	Subcontractor to provide sill extensions, sill flashing as required at punched openings.
270	Subcontractor has included maintaining the integrity of the AVB. Subcontractor to seal penetrations when fastening clips, anchors, framing, furring, etc. for the metal panel assembly.
271	Subcontractor to include if applicable all equipment needed to complete the specified scope of work described in the construction documents.
272	Subcontractor has reviewed the gauge, material, span length, etc. as specified and included framing as necessary to avoid "oil canning" or dimples in the metal panels.
273	Coordination with PCC Superintendent/other trades
274	Subcontractor has included coordination with curtainwall subcontractor for installation of window/curtainwall openings and associated flashing and counter flashing.
275	Subcontractor to furnish and install final backer rod and sealant at window openings within metal panel assembly. (PM to verify sequence of trades).
276	Coordinate all penetrations with other trades and install sleeves as necessary. Subcontractor to cut penetrations in metal panels for others. Layout will be performed by the other trades.
277	Trade Specific Safety Issues
278	For multi-story buildings, swinging loads on to floors by pulling the loads in is not permitted. If hoists are not adequate and or not available, lookouts must be utilized. Lookouts must be capable of supporting maximum load and must be designed by an engineer.
279	Employees exposed to unprotected sides or edges which are 6' or more above a lower level must be protected from falling by the use of guardrail systems, safety net systems or personal fall arrest systems.
280	Scaffold systems being used must support 4 times the maximum intended load. Scaffold systems must be designed by a qualified person and must be inspected daily by a competent person before each use.
281	All scaffold planking used must be a scaffold grade lumber.
282	Employees working on, erecting, disassembling, or moving the scaffold must receive training in safe work practices.
283	Employees using 2 point suspension scaffold systems must be secured to a lifeline that is anchored independent from the scaffold system.
284	Articulating boom lifts must not be used to transport materials unless designed to do so and within capacity of the lift.
285	

TP-15 - Drywall & Framing, Acoustical & Wood Ceilings, Metal Panels, Envel Panels, Acoustic Panels, and Cold Form Metal Framing
Exhibit B

Specification	
All Division "00", "01, 02" specification sections are included.	
All specification sections listed in relevant part and section to this scope of work are included.	
Specification Section/s: XXXXX	
Spec. 051000 Structural Anchors	
Spec. 051200 Structural Steel Framing (At Vestibules)	
Spec. 054000 Cold Formed Framing	
Spec. 072100 Thermal Insulation	
Spec. 074140 Perforated Formed Metal Wall Panel	
Spec. 074215 Metal Panels	
Spec. 074247 Ultra-High Performance Concrete Panel Cladding	
Spec. 076200 Sheet Metal Flashing and Trim	
Spec. 078100 Applied Fireproofing	
Spec. 078413 Penetration Firestopping	
Spec. 078446 Fire-Resistive Joint System	
Spec. 079200 Joint Sealants	
Spec. 083113 Access Doors and Frames	
Spec. 092116 Gypsum Board Shaft Wall Assemblies	
Spec. 092216 Non-Structural Metal Framing	
Spec. 092530 Gypsum Sheathing	
Spec. 092710 Gypsum Board Accessories	
Spec. 092900 Gypsum Board	
Spec. 095113 Acoustical Panel Ceilings / Wood Grille Ceilings	
Spec. 098433 Acoustical Wall Panels	
Allowances	
Exclusions	
Furnishing of access panels (furnished by MEP/FP trades).	

TP-17 Painting / Wall Covering Systems

Exhibit B

TRADE SPECIFIC SCOPE OF WORK

Bidder shall include a complete FURNISHED AND INSTALLED ("Provide" means to "furnish & install") system / assembly relevant to its scope of work as indicated in the contract documents and as per this scope of work document. Each scope of work section includes, but is not limited to, the following:

General Scope of Work

PAINTING:

Furnish and install paint at gypsum drywall and plaster walls as indicated on the Drawings and as specified.

Furnish and install paint at gypsum drywall and plaster ceilings and soffits as indicated on the Drawings and as required, specified.

Furnish and install paint all bulkheads at ceiling elevation changes and at ceiling type transitions.

Furnish and install paint at all columns as per bid documents.

Furnish and install prime coat and 2 finish coats and back roll to all painted surfaces. Review each coat with Pepper superintendent and correct imperfection before starting the next coat.

Contractor to pressure wash and sweep the exterior ledges of the entire building prior to exterior paint. Per the direction of the PCCO superintendent.

Subcontractor to furnish and install final paint coat after floor finishes and casework is installed

This trade to furnish and install their own equipment for access for their scope of work. REVIEW THE SITE LOGISTICS PLAN FOR REQUIREMENTS.

Subcontractor to prepare substrates prior to painting to achieve a smooth, dry, clean, structurally sound surface free of flaking, unsound coatings, cracks and defects.

Subcontractor to paint entire surface, wall, ceiling, bulkheads, etc. corner to corner, where patch painting is required.

This subcontractor to clean paint spatter from adjacent surfaces and glass.

This trade to furnish and install recoating at areas which show bleed-through, holidays (uncoated), defects.

Subcontractor includes touch up to correct deficiencies in its workmanship to conform to the definition of a properly painted surface per PDCA standards and as outlined per bid documents.

This subcontractor to review prime coat with Pepper Superintendent and correct Imperfections and touch-up. Proceeding without Pepper written authorization may require additional rework at no cost.

Do not paint over labels: UL, FMG or other code required labels or equipment name, identification, performance rating or nomenclature plates. It will be this contractors responsibility to repair or replace if covered.

Furnish and install all caulking at door frames, window frames, and perimeter window ledges.

This trade to remove and reinstall hardware and accessories, electrical plates and covers, light fixture trims and similar items as required.

This contractor shall furnish and install final paint at the time which Pepper and this Contractor agrees work is complete enough to proceed.

This traded to furnish and install protection of all finished products and windows.

This trade to furnish and install kraft paper protection after painting at all non-high traffic corners.

This trade to furnish and install cardboard protection after painting at all high traffic corners.

Furnish and install paint for wood doors (and frames) per drawings and specifications.

Contractor is to caulk all HM door frames / systems to adjacent surfaces including walls, flooring systems, and ceilings.

This contractor to clean existing concrete walls, columns, or ceilings as indicated. Remove all existing wall attachments, clips, nails, fill in existing gaps, imperfections, as required to provide smooth finish. Remove paint, jagged edges and corners as stated within the graphic legend on A1.2.

Where identified at CON-2 this contractor shall clean surfaces then Furnish and install sealer at concrete surfaces as noted on bid documents.

Subcontractor to furnish and install painting at perimeter windows are required.

This trade to paint exposed lintels as per bid documents.

TP-17 Painting / Wall Covering Systems

Exhibit B

Where identified this contractor shall clean surfaces then Furnish and install sealer at concrete deck and walls as noted on bid documents.

WALLCOVERING:

Furnish and install wallcovering per drawings and specifications.

Furnish and install adhesives as recommended by manufacturer.

Furnish and install primer/sealer as recommended by manufacturer.

Furnish and install metal primer as recommended by manufacturer.

Furnish and install wall liner as recommended by manufacturer.

Furnish and install seam tape as recommended by manufacturer.

Clean substrates of substances that could impair bond of wallcovering, including dirt, oil, grease, mold, mildew and incompatible primers.

This contractor shall furnish and install all wall graphics as described in the contractor documents.

This contractor shall furnish and install all window graphics.

Project Specific Scope of Work

Furnish and install full height wall covering Graphic per elevation 13 on A611 per plans and specification.

At existing frames this contractor shall patch and sand frames as required for like new appearance, then prep frame for paint.

This contractor shall include Performance and Payment Bond. Please break out pricing for this.

This contractor shall include paint and touch up of 3,379 SF of office space as directed by Pepper Superintendent.

This contractor shall power wash and paint exterior concrete structure and planters. This contractor shall not paint or over spray paint on any other building components expect for the concrete structure and materials scheduled to be painted. All overspray, drips, or paint marks on surfaces not scheduled to be painted shall be removed and cleaned without damage by this contractor. This scope of work includes all required masking and covering as required for a neat, clean, and workman like painting application.

Include 700 hours for final touch up painting at punch list, above and beyond what is already included herein. This will be tracked and directed by Pepper Project Superintendent.

This contractor shall provide all means and methods to access area of work. Ariel lifts or boom lifts, or any other lifts of any kind will be provided by this contractor.

The scaffolding and buck hoist will be installed at the building on the north side, this contractor is responsible to work around in a safe manner, and complete work while structure is installed on site. If required this contractor shall remobilize to complete cleaning and paint scope of work.

This contractor shall prep and paint the mechanical louvers.

This contractor is responsible for furnishing all equipment and tools to gain access to all work areas on the site.

This contractor is responsible for furnishing and providing surface prep at all locations where paint or other products are being applied within this scope of work.

This contractor shall furnish and install concrete sealer at all locations identified on the drawings.

This contractor shall furnish and install all paint as it is identified on the drawings or specifications.

This contractor shall paint

Where identified in the drawings and specifications this contractor shall furnish and install all paint at exposed structure in above ceiling spaces, and / or all installations by other shall be painted by this contractor as described in the contract documents, including all architectural and mechanical, electrical, and plumbing. Paint all surfaces of above ceiling areas including MEP so that all surfaces have a uniform look.

This contractor shall caulk all doors with a colored caulking to match adjacent surface. This is all inclusive of the whole perimeter of the door frame on each side.

This contractor shall

This contractor shall furnish and install temporary wall made of plastic when performing overhead painting and sandblasting to contain this work. This contractor shall provide all equipment required for air ventilation and air circulation.

This contractor shall sandblast & seal interior exposed aggregate concrete structure where noted. Includes protecting existing surfaces, dust control, temporary barriers, etc. as needed for this work. All concrete sand blasted shall receive concrete sealers.

Water will be provided on site, if needed for pressure washing, this contractor shall provide their own pressurized tanks for water supply to pressure washer.

Specification Section/s

All Division "00", "01, 02" specification sections are included.

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TP-17 Painting / Wall Covering Systems Exhibit B	
All specification sections listed in relevant part and section to this scope of work are included.	
Specification Section/s:	
See Division 3 for Concrete Sealer as applies to this scope.	
079200 - Joint Sealants	
097200 - Wall Coverings	
099113 - Exterior Painting	
099123 - Interior Painting	
099300 - Staining and Transparent Finishing	
Allowances	

Pepper Construction Company

White Hall BP-3

140 Patterson

Lexington Ky

Job#: 2300309

TP-23 - Mechanical and Plumbing

Exhibit B

Base Bid Including Taxes

TRADE SPECIFIC SCOPE OF WORK

Bidder shall include a complete FURNISHED AND INSTALLED ("Provide" means to "furnish & install") system / assembly relevant to its scope of work as indicated in the contract documents and as per this scope of work document. Each scope of work section includes, but is not limited to, the following:

General Scope of Work

Subcontractor has reviewed all bid documents, not just the Plumbing, Mechanical, and Controls drawings. If anything was found on any other document please ID it and ensure it is included in your base bid.

This contractor shall furnish and install a complete plumbing system, mechanical system, and controls system as described in the contract documents.

Subcontractor has reviewed and included all Plumbing, Mechanical, and Controls general notes and key notes that are in the bid documents.

This contractor shall furnish and install a complete ductwork, mechanical piping, and plumbing system per the contract documents.

Subcontractor has reviewed and included all details and their schedules.

Subcontractor has reviewed and included all riser diagrams and notes .

All work shall be installed in accordance with the authority having jurisdiction, the Local Building Code, American Disabilities Act Codes, and other codes as applicable.

Furnish all plumbing fixtures and plumbing specialties per the schedule and as specified.

Provide a one year (or as specified) guarantee/warranty on labor, material and equipment from the date of final acceptance.

All solder must be lead free

Include all excavation, backfill and removal of spoils off site for your entire scope of work.

Subcontractor has included all casual pumping and de-watering as necessary to complete their work.

The drawings are schematic in nature, additional ductwork, fittings, pipe and pipe fittings due to minor coordination changes are included at no additional cost.

Furnish drawings with dimensions for all equipment that requires a housekeeping pad to be submitted to Pepper Construction as apart of your submittal package. This shall include all equipment install or furnished by this contractor and includes all fans and air handling units that are provided by others.

Include all floor or wall scanning before coring or cutting through any concrete decks, walls, or slabs.

Furnish and install all required sleeves, cores, box outs, and saw cutting per plans and specs. Provide shop drawings for Structural Engineer to review and approve prior to placement or cutting of sleeves, cores etc.

PCC will provide a labor and material rate sheet that needs to be filled out and will be used for future change orders on this project.

All cost for disassembly and reassembly of equipment as required for installation is included.

All demolition shown on these drawings in the Plumbing, Mechanical, or controls scope of work shall be completed entirely by this contractor. All controls equipment shall only be discarded after confirming with the University of Kentucky.

All flushing of domestic water lines and cleaning and testing as required by Plumbing Code and project specifications is required by this contractor.

Exposed ductwork ends shall remain covered at all times from the point of shipment through final connection. It is this contractors responsibility to install and maintain coverings over all ductwork ends during the installation process.

Ensure all equipment and material are delivered, stored, and installed in accordance with manufacturer's recommendations.

Subcontractor to protect installed equipment and material from construction dust and damage.

TP-23 - Mechanical and Plumbing

Exhibit B

24	This contractor shall not allow any back flow into existing domestic water lines as apart of this work. Proper precautions must be made to ensure backflow of water does not occur.
25	Subcontractor acknowledges within their scope of work that certain walls will be deemed 'priority walls' with the Drywall trades, MEP/FP trades and Pepper. 'Priority walls' include but are not limited to, full height walls that require installation of framing and board prior to installation of MEP/FP due to clearance / access restrictions for the drywall trade after MEP/FP is installed. Drywall subcontractor to lead coordination meeting / effort as appropriate within schedule to ensure coordinated effort between drywall trade and MEP/FP trades (and any other pertinent trades).
26	Subcontractor to review stud widths when placing any/all sleeves in Fire/Smoke/Sound walls to ensure the constructability of the wall. Any issues that appear need to be brought to the attention of the Owner/Design Team and Pepper Construction during the coordination process and not after the sleeve are placed in the field.
27	This contractor shall provide all balancing required for domestic water loop.
28	All Mechanical shall be installed in accordance with the latest MCA, SMACNA and ASHRAE standards.
29	
30	Per the site and civil drawings, this contractor to remove existing storm structurers and cap piping as required to prevent unfiltered water entering the storm system, or to prevent excess water from entering the site. Coordinate with site contractors for all required new site storm water work to be preformed by this contractor.
31	Review this scope of work with the architectural plans, and reflected ceiling plans to confirm quantities and locations. If there are conflicts this contractor to submit RFI.
32	Accept and install, as specified, any equipment furnished by others. AHU1, AHU2, AHU3, and AHU4, and RF1, RF2, RF3, and RF4.
33	Air balance report shall be made available to the Pepper Construction Management team at the time of Temporary Occupancy Inspection to achieve substantial completion.
34	Subcontractor has all Temperature Controls in their scope of work.
35	This contractor to furnish and install their raceways which shall be green conduit.
36	This contractor shall furnish HOBO (Model MX1101) Data Loggers to measure RH and Temp. This contractor shall purchase 14 data loggers and turn over to Pepper Construction.
37	Building Automation Systems
38	Furnish a complete hardware and software for the enterprise framework and system integration required for the complete OPEN Building Automation System (BAS).
39	All systems installed shall comply with UK Control standards as described in the project contract documents, and shall include all required licensing.
40	Provided BAS shall be web based, wireless enabled and can be access via tablets and mobile devices.
41	Provided graphic are automatically scaled for different size monitors and tablet/mobile devices
42	All controllers are programmable.
43	Furnish and install all systems that can work standalone in occupied mode if network communication is lost.
44	Naming convention shall be labeled per plans and specifications.
45	The BAS system must be furnished, engineered, installed, tested and calibrated by factory certified technicians qualified for this scope of work.
46	Subcontractor is Factory Authorized System Integrator in good standing with the Manufacturer. Factory trained technicians shall provide instruction, routine, maintenance, and emergency service within 24 hours upon receipt of request during construction and warranty period.
47	
48	BAS Software
49	All software tools needed for full functional use, including programming of controllers, network management and expansion, and graphical user interface use and development, of the BAS described within these specifications shall be provided to the owner or their designated agent. All software shall be open, downloadable, and in the public domain for use by third parties for maintenance and additions.
50	Any licensing required by the manufacturer now and through the completion of the warranty period, including changes to the licensee of the software tools and the addition of hardware corresponding to the licenses, to allow for a complete and operational system for both normal day to day operation and servicing shall be provided.
51	Any such changes to the designated license holders shall be made by the manufacturer upon written request by the owner or his agent.
52	SOFTWARE LICENSE - The Owner has complete ownership of BAS system software and use of all programming tools and application.

TP-23 - Mechanical and Plumbing

Exhibit B

The Owner shall be the named license holder of all software associated with any and all incremental work on the project(s). In addition, the Owner shall receive ownership of all job specific configuration documentation, data files, and application-level software developed for the project. This shall include all custom, job specific software code, databases and documentation for all configuration and programming that is generated for a given project and/or configured for use with the Global Controller, Server, OWS and any related LAN/WAN/Intranet and Internet connected routers and devices.

Any and all required User IDs and passwords for access to any component or software program are provided to the owner.

Communication Network

Provide Primary cable BACnet native LON or Modbus certified cable will be used. Verify with the specifications, what the engineer or existing BAS is using, if they have existing building already on their BAS.

All electrical installation is included per the local and national codes including specification.

Provided communication are installed in daisy chain pattern.

As-built of actual network installation will be provided at the end of installation.

Provide all switches and routers as required for an operational system and coordinate with the owners IT department.

Computer Hardware & Network Drop

If required by contract documents provide computer equipment as required for work stations.

Provide all electrical labor and material for all required IP drops from Owner's IP closet to BAS.

Provide all labor associate to coordinate with Owner's IT department to get BAS on their network.

All Major Mechanical System Control:

Furnish and install all controllers and control devices necessary to operate each system in a standalone operation per the specified sequence of operation.

If not specified, provide a controller that has 20% additional I/O available for future use.

Chilled Water Valves will be field installed and all control devices and wiring are included, including wiring of vibration switch & safeties.

Include all interlock wiring between, isolation valves/ combustion air dampers.

Include all interlock wiring between CHW isolation valves.

Include all loose shipped control devices with all mechanical equipment installation and wiring as necessary for the proper operation.

Include all pneumatic tubing installation labor and material for the differential pressure sensors for all AHU's and pumps.

Include all point to point verification of each point of each system.

Provide complete functional testing of entire system prior to turning over to owner or testing with commissioning agent.

Provide all programming per the specification.

Alarms and trends are setup for each point for owners use and per the specification.

Dampers:

Include all dampers provided separate with the AHU.

Include all motorized isolation dampers as needed and as required per specifications.

Include all actuators for all dampers as needed and as required per specifications.

Provide all dampers to the ventilation subcontractor for installation.

Actuators need to be powered from a separate source other than the AHU or exhaust fan power, unless it is part of the package.

Furnish Fire Smoke Dampers that will be installed by the Sheetmetal contractor. All coordination with the Fire Alarm subcontractor will be included. Before ordering any FSD's, verify with the Fire Alarm Subcontractor the correct voltage for the operation with the fire alarm wiring.

Coordinate the installation for all of the damper actuators, and make sure they are fully accessible for service and to replace in the future.

Valves:

Include all control valves provided per the specification.

Include all 120V electrical labor and material as needed and as required.

All valves will be turned over to piping contractor for installation.

TP-23 - Mechanical and Plumbing

Exhibit B

Include the cost for tracking, receiving and delivery to the mechanical contractor for all valves that are your responsibility to order.

Water Flow Meters/BTU Meters:

Provide all flow meters and ensure they are provided as needed and as required per specifications.

Include all 120V electrical labor and material as needed and as required.

Installation kit will be ordered and shipped 1st as your submittal is approved. Flow & BTU meter can be released later.

Flow & Temperature sensors for BTU meters will be turned over to piping contractor for installation.

Complete conduit and wiring is included for each meter.

Air Flow Measuring Station:

Provide all AFMS's and ensure they are provided as needed and as required per specifications.

Include all 120V electrical labor and material required, if not specified by the electrical subcontractor.

AFMS will be installed by ventilation contractor. Coordinate the delivery to the site and turn over the AFMS's and parts to install to the ventilation contractor. Make sure that you have them sign off on every AFMS, that you provide to them for each AHU, supply and return fan.

Complete conduit and wiring will be included for each meter.

Included whatever time is required to work with the T&B subcontractor for the setup and calibration for each AFMS.

VAV/FP Boxes:

Include field installation of controls for all boxes will be included, if they are not shipped to the factory for installation with the VAV or FPB's.

Include filter on high side of differential pressure sensor of each box controller is included.

Include all material and labor for 120V/24vac power and communication.

Include all cost for shipping your controls to the terminal box manufacture for installation.

This contractor shall furnish and install all coils as specified, and tie into the hydronic piping system installed by this contractor.

This contractor shall install all coils, and boxes reflected in the contract drawings and ensure all proper clearances are included.

Chilled Water & Steam Meters:

Provide all meters and ensure they are provided as needed and as required per specifications.

Include all 120V electrical labor and material as needed and as required.

Include all conduit and wiring for each meter as needed and as required.

Include all calibration and programming as needed and as required per specifications.

Smoke Detectors and Testing:

Coordinate with the Fire Alarm Contractor for location and materials required for the installation of duct detectors.

Furnish and install relays if not hard wired for starters & VFD's as necessary for AHU shutdown.

Include all labor to work with smoke testing.

Include all 120V electrical labor and material as needed and as required.

Complete conduit and wiring for device as necessary and as specified.

Include all labor for smoke detector testing as needed and as required per specifications.

Electrical Installation:

Installation will be done per the national and regional electrical codes. (NEC)

Include all 120V power to all BAS panels and control devices is included from electrical panels to BAS panels unless specified otherwise in specification.

120V must be used from EM circuit, as required to backup the BAS and control panels.

All installation in mechanical room is in conduit. Conduit shall be sized such that they are only 60% full.

All cable shall be installed in Green Conduit per UK Standards. This contractor shall furnish and install all green conduit for their wiring.

Provide the OWS, Server, and each Global controller with individual UPS to provide clean, reliable, noise-filtered power at all times and to protect and maintain systems operation throughout short term power interruptions up to 15 minutes duration.

TP-23 - Mechanical and Plumbing

Exhibit B

Power to VAV boxes that do not receive 120v power from the electrician will be provided under this contract. Includes all necessary transformers and power supplies.

Include temporary Ethernet cable, if BAS system is to go on Owner's network.

The temporary Ethernet cable should be installed, if owners network is not ready in time for BAS startup. This contractor shall furnish and install.

Equipment & Material

AHU1, AHU2, AHU3, AHU4, RF1, RF2, RF3, & RF4 will be pre purchased directly by the University of Kentucky, and installed by this contractor.

This contractor will be responsible to coordinate with UK pre purchased equipment vendor to receive and store equipment. This contractor will be responsible for all means and methods to unload and install pre purchased equipment. This contractor shall include all transferable terms as defined by the contract documents.

Sheet M6.3 references pre purchased equipment as basis of design, however the supplying vendor may change from the basis design pending the University's award, and this contractor shall review and accommodate a fully knock down unit from another manufacturer.

Warranty for this equipment shall begin at substantial compleation, and not on start up. This unit will be started up early to provide conditioning for the construction space.

Water Distribution

Provide certification for all double detector check valve and backflow preventers installed by this trade.

Furnish and install double detector check valve or backflow preventer valve for irrigation system. Include an isolation valve and cap.

Furnish and install all the hot and cold water modifications that are shown on the drawings.

This contractor shall furnish and install piping to landscape irrigation system. Connection to irrigation equipment shall be by this contractor, equipment provided by others.

Test and Chlorinate systems as required. Provide written certification.

Maintain temporary water riser and outlets for construction use.

Installation

Includes but not limited to the furnishing and installation of all plumbing fixtures, plumbing faucets, flush valves, plumbing specialties, piping, hangers, supports and pipe insulation for all plumbing systems as specified.

Furnish and install caulking for all plumbing fixtures

Include all hydrostatic testing for your piping per plumbing code. Include cold weather testing to meet any schedule requirements necessary.

Furnish and install all roof drains and overflow heads that are shown on the contract drawings.

This contractor shall coordinate with the roofing contractor to set correct elevations of the roof drains.

Furnish and install permanent storm system as soon as roof deck is complete. Provide temporary discharge piping if required. Once new system is operational, this contractor shall remove existing system complete.

Furnish and install vent piping for all floor drains, plumbing fixtures and other equipment requiring drain connections to sanitary systems as shown in the contract documents.

Include separate vents for all underground floor drains.

Furnish and install a complete sanitary and vent system with all underground work as required and as specified.

Furnish and install a complete storm sewer system including but not limited to: roof drains, downspouts, horizontal storm piping, overflow drains.

Firestop all wall and floor penetrations through any fire wall/floor as shown on drawings or as specified and as required by any local plumbing and building codes.

This contractor shall furnish and install firestopping or acoustical sealants at all penetrations through vertical or horizontal barriers to match barrier type as shown in the contract documents. All fire stopping systems installation shall comply with UL.

Install all plumbing valves above an accessible ceiling tile or access panel and no more than 24" above the ceiling. If valves are installed above a drywall ceiling provide access panels as well as a coordinated drawing to the carpenter for install.

Furnish and install all valve tags, charts, and pipe identification as specified.

Furnish and install all needed stainless steel pans with soldered joints under any water or soil pipe going through an IT or electrical closet. Also include all drain piping to the nearest floor drain and hire TC to install water bug sensors for these areas.

TP-23 - Mechanical and Plumbing

Exhibit B

192	UUDP Underground Utility Damage Prevention (See Exhibit Q)
193	Subcontractor performing any work underground must comply with the PCC UUDP Process and comply with filling out the
194	Excavation Permit daily.
195	Subcontractor will attend a UUDP kick-off, hand-off, and any necessary coordination meetings to complete this process.
196	During site work the subcontractor will revisit the UUDP model, share UUDP model and deliverable information with operators, and
197	ask questions as needed and as required.
198	Subcontractor has included pothole/hydro excavation locations in their scope of work.
199	Subcontractor has included a 4" PVC pipe 10' long and an end cap for each pothole/hydro excavation location.
200	Subcontractor has included sand to backfill holes as needed and as required.
201	Subcontractor has included all cost for public and private locates associated with their work.
202	Subcontractor has included GPR as needed and as required. Sanitary and storm piping shall be snaked and located for exact location
203	if passing through an excavated area.
204	Subcontractor has included all hardscape cutting, chipping, removal, and patching as needed and as required.
205	Subcontractor has included and allowance for CDOT permitting. Indicate the allowance carried in the note's column.
206	UUDP As-Built documentation requirements
207	a. Subcontractor will turnover a 3D model of all newly installed utilities.
208	d. All files will align with the PCC model and the subcontractor is responsible to ask questions and ensure files align before starting
209	3D coordination and submitting files for inclusion in the as-built NWF/NWD.
210	
211	<u>Project Specific Scope of Work</u>
212	This contractor shall comply with Pepper Construction Concealed Utility Damage Prevention Plan and Underground Utility
213	Prevention plans (see included exhibits).
214	All underground or concealed work shall be full investigated prior to cutting to confirm no other utilities or systems are damaged
215	due to this work.
216	Prior to conducting any concealed work coordination with Pepper Construction Superintendent is required.
217	All removal of concrete or dirt required to access underground work is by this contractor. All demolition work shall be sawcut, and
218	overcuts in slabs are not permitted. Backfilling and pipe beds shall be by this contractor.
219	This contractor shall place new concrete to patch back excavation with use of an approved bonding agent, and shall include repair
220	and replacement of the air vapor barrier, dowel and epoxied into the existing slab using Hilti HIT-HY 200. For spacing and additional
	details please reference details on S4.1
	This contractor shall remove all existing storm water or rain water leader piping system, and turn over piping to Pepper
	Superintendent following the installation of the new system.
	Insulation for all piping systems is included by this contractor
	This contractor shall participate in all commissioning work as described in the plans and specifications.
	This contractor shall furnish and install all required motor starters, VFD;s, disconnects, etc. that are required for the function and
	control of their equipment. Normal power raceways and wiring will be brought to and terminated at these devices by the electrical
	contractor. Control wiring by this contractor.
	This contractor shall balance all systems within their scope of work.
	This contractor shall remove libert system as described in the contract documents. Including all piping, equipment, piping support,
	etc. as apart of this system.
	This contractor shall remove all existing site drainage and furnish and install new site drainage as described in the landscaping (L
	series) drawings.
	This contractor shall organize and lead the Mechanical, Electrical, Plumbing, and Fire Protection 3D coordination process. This
	includes but not limited to: organizing and setting up all meeting, managing the contractors work and progress, management of the
	schedule, submitting RFI, and all other requirements to fully manage the MEPF coordination process. This contractor shall update
	the model per submittals, newly issued contract documents, and in field coordination so that a fully coordinated and accurate model
	is delivered at the end of the project. This model shall be available to Pepper Construction at all times for review. Final model shall
	be submitted to Pepper for turnover to the Owner. Please see Exhibit K, herein the bidding documents.
	This contractor shall provide building scanning to confirm existing conditions and openings. This shall be completed within (10) ten
	business days from contract award. Pepper Construction can provide services for this work. Contact James Winters,
	jwinters@pepperconstruction.com for additional details.
	Submit all required project closeout documents within one (1) week of substantial completion.
	All submittals are required within two (2) following issuance of awarded work.

TP-23 - Mechanical and Plumbing	
Exhibit B	
221	This contractor shall complete report required by the University of Kentucky listing the location, and product description of all equipment installed for this project. File is listed as SAP Report.
222	This contractor is responsible to complete all required documents for this project, both listed and not listed herein.
223	This contractor shall furnish Pepper Construction Project team a complete, and updated procurement log which shall include but not limited to: lead times of materials, ordered date, ship date, delivery date, etc.
224	This contractor shall start up the equipment early while the space is still under construction to provide a climate controlled work space. It is this contractor's responsibility to provide and install filter media over all returning air specifically at return grilles through out the construction space.
225	All required material handling, loading, unloading rigging, etc. is by this contractor.
226	Contractor to Install MERV-8 Filters in all return grills and maintain for the entirety of the project.
227	Review BP-2 on Lynn Imaging or UK Plan Room for Scope Requirements for Pre Purchased Mechanical Equipment. Please submit Prebid RFI for any questions regard RFP.
228	This contractor shall provide all required materials, equipment, and labor for required demolition shown on the Mechanical and Plumbing Drawings.
229	Specification Section/s
230	All Division "00", "01, 02" specification sections are included.
231	All specification sections listed in relevant part and section to this scope of work are included.
232	Specification Section/s: XXXXX
233	Div. 22 Plumbing
234	Div. 23 Heating Ventilating, and Air Conditioning (HVAC)
235	Div. 25 Integrated Automation
236	Div. 26 Electrical (As it applies to this scope)
237	
238	Allowances
239	
240	Temporary Water Lines and Bibs : \$5,000
241	Temporary Heating and Air : \$25,000
242	Exclusions
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Pepper Construction Company

White Hall BP-3

140 Patterson

Lexington Ky

Job#: 2300309

TP-24 - Electrical

Exhibit B

Base Bid Including Taxes

TRADE SPECIFIC SCOPE OF WORK

Bidder shall include a complete FURNISHED AND INSTALLED ("Provide" means to "furnish & install") system / assembly relevant to its scope of work as indicated in the contract documents and as per this scope of work document. Each scope of work section includes, but is not limited to, the following:

General Scope of Work

Subcontractor has reviewed all bid documents, not just the Electrical drawings. If anything was found on any other document please ID it and ensure it is included in your base bid.

This contractor shall furnish and install complete electrical, and fire alarm complete. Low voltage rough in required by this contractor.

This contractor shall furnish and install power to all items listed or identified within the electrical drawings, and required power and raceways to all other systems provided by others including but not limited to, window shades, architectural wood work, furniture, general trades, plumbing, mechanical, audio visual. Final electrical equipment connections shall be by this contractor.

Subcontractor has reviewed and included all Electrical general notes and key notes that are in the bid documents.

Subcontractor has reviewed and included all details and schedules.

Subcontractor has reviewed and included all one line diagrams.

Provide for all Owner training as specified in the bid documents. Note that Owner training will require a separate trip after the installation and testing of all systems. During Owner training the AV Subcontractor shall furnish to the Owner all O&M manuals for each piece of equipment.

All Electrical shall be installed in accordance with the most current Electrical Code.

Furnish all fixtures and specialties per the schedule and as specified.

Provide a one year (or as specified) guarantee/warranty on labor, material and equipment from the date of final acceptance.

Furnish and install all link seals for any conduit that passes through a foundation wall and/or floor.

Subcontractor will locate, mark, cut & cap all duct bank, conduit, etc. mains coming into the building/ space. The Demolition

Subcontractor shall include drop to the floor and removal of all electrical equipment, fixtures, conduit, etc. as indicated as required.

The Demolition Subcontractor has salvage rights for all materials, equipment, fixtures, wiring, etc. indicated for removal. Including but not limited to electrical equipment, devices, fixtures, conduit, wiring, cables, etc. Unless otherwise indicated in the bid documents.

Electrical Contractor shall provide all temporary lighting, power, etc. per OSHA standards. Any supplemental lighting required to safely complete the demolition scope of work shall be provided by this Contractor (i.e. lighting towers, etc.)

Install power lead (furnished by window treatment) from Elec J-Box to the window shade.

All conduit that are installed in exposed areas shall be installed in a clean, uniform, consistent, and workman like manner. Conduits installed in a parallel fashion shall be spaced equally with consistent bend in the conduit.

This contractor shall furnish and install all floor boxes and poke throughs where identified.

Furnish and install all acoustical caulking and fire stopping at all horizontal and vertical barriers. Caulking and sealants shall match barrier rating and installed as apart of the UL system specified by the manufacturer..

Ensure all equipment and material are delivered, stored, and installed in accordance with manufacturer's recommendations.

Provide for all equipment and installation warranty coverage and technical support per the bid documents. Provide for transferable warranties as required.

Any cable ran through a plenum rated space ("free air") must be plenum rated cable. Non-plenum rated cable ran through a plenum space must be run through conduit.

All installations for this trade must be compliant with ADA standards

Subcontractor to protect installed equipment and material from construction dust and damage.

TP-24 - Electrical

Exhibit B

Provide for all testing of equipment, cabling, etc. All testing reports shall be documented and submitted to Pepper Construction at the completion of your work

Subcontractor must use "Stub-EASE" or similar product for all stub-up's to allow a safe and trip free jobsite.

For more info visit the website and view the product video - <http://csuetech.com/>

Subcontractor acknowledges within their scope of work that certain walls will be deemed 'priority walls' with the Drywall trades, MEP/FP trades and Pepper. 'Priority walls' include but are not limited to, full height walls that require installation of framing and board prior to installation of MEP/FP due to clearance / access restrictions for the drywall trade after MEP/FP is installed. Drywall subcontractor to lead coordination meeting / effort as appropriate within schedule to ensure coordinated effort between drywall trade and MEP/FP trades (and any other pertinent trades).

Subcontractor to review stud widths when placing any/all sleeves in Fire/Smoke/Sound walls to ensure the constructability of the wall. Any issues that appear need to be brought to the attention of the Owner/Design Team and Pepper Construction during the coordination process and not after the sleeve are placed in the field.

This contractor shall complete report required by the University of Kentucky listing the location, and product description of all equipment installed for this project. File is listed as SAP Report.

Distribution Equipment and Feeders

The University of Kentucky has pre purchased the switchgear for this project. This contractor shall be responsible to coordinate with the manufacturer to coordinate receipt and installation of the switch gear. This contractor shall be responsible for the means and methods to unload, transport, store, and install this switch gear.

This contractor shall remove the existing switch gear which is currently energized and supplying power to the project site. This contractor shall review all energized circuits with the University of Kentucky to confirm the removal of circuits do not impact other buildings prior to demolition. Removal of this switch gear will remove power from the construction site. Power must remain to the construction site during normal working hours for general lighting and power. This contractor shall furnish and install temporary power system to maintain general use for construction.

This contractor shall install conduit, raceways, and wire to the switch gear scheduled to be installed. If wire is to be reused it shall be meggered to confirm the integrity of the insulation. Results are to be submitted to the electrical engineer.

All panels that contain live parts must be protected at all times, and OSHA approved covers will be installed, when you are making your terminations. No panels will be left without a cover when your trades people are working on them. Only qualified people will be allowed to work on live panels.

This contractor shall participate and coordinate participation with the switch gear manufacturer and commissioning agent for the commissioning process.

Furnish and install grounding system connected to the water meter service, building steel or ground rods as specified. To meet the grounding requirements for the specifications and owner's requirements.

Furnish and install fuses as required for all switchboards, disconnects, switches, distribution panels and starters.

Furnish additional set of fuses for each starter that require fuses, for control fuses provide (2) for each different size.

Furnish and install feeders as specified to switch gear and to circuit breaker panels.

If the bid documents indicate a larger set of feeders, include the greater of the two with your proposal.

Subcontractor has sized all of the feeders that have not been indicated on the one line or electrical drawings.

Furnish and install feeders as specified from meter centers distribution panels to circuit breaker panels.

Furnish and install distribution & circuit breaker panels per schedule. Subcontractor has sized the circuit breaker panels that have not been completed.

Furnish and install loose starters and disconnects or combination starter / disconnects for all non-packaged mechanical equipment, provide heaters for furnished starters.

Provide power installation for all Mechanical, Plumbing, and Fire Protection. Subcontractor must review the schedule for the other trades, and make sure that the equipment schedules match one another.

Mount and wire all VFD's furnished by others. You will be required to provide Unistrut or structural supports to mount the VFD's if required. Review the mechanical schedule for the equipment that have VFD's.

Furnish and install all transformers as required for step down power.

Branch Power Wiring

Furnish and install complete conduit, wiring, receptacles and switches for all outlets shown and power for lighting and switches.

Subcontractor has provided all the circuit design for the circuit breaker panels.

TP-24 - Electrical

Exhibit B

52	Furnish and install conduit, wire and disconnects (NEMA 3R) for all outdoor equipment. That will not be supplied by the mechanical contractor or required by code for distance and line of sight.
53	Furnish and install conduit and wiring for the TC transformers that they will be providing power for the FPB controls. Locations of the transformers installation need to be coordinated with the TC subcontractor.
54	Furnish and install conduit and wiring for electrical appliances as indicated.
55	Indicate type of couplings and connectors to be used for thin wall conduit.
56	Indicate LF of electric baseboard or pedestals heaters (In Notes Column) include all installation of conduit and wiring.
57	Contractor to make final connections/ provide permanent power to all furniture requiring such.
58	Coordinate locations of backbones for switches, receptacles and devices with Architectural Drawings and other mechanical trades.
59	Indicate the type of conduit that will be used in the slab and exposed conduit. (In Notes Column)
60	Indicate the total number of Duplex, Quad, Light Switches, Floor and Poke through combination boxes for power and data. (In Notes Column)
61	
62	Furnish and install the dedicated number of circuits that are listed for the AV equipment and racks and IDF closets.
63	Provide power for all of the electric cabinet heaters.
64	Furnish and install power for the garage door openers at the loading dock.
65	
66	Emergency Power
67	This facility has an existing generator, and transfer switch. Coordination of the emergency circuits, and work involving emergency power is required with Pepper Construction and the University of Kentucky.
68	Furnish and install all exit signage. Ensure all exit signage is compliant with the requirements of the city / village bureau of fire prevention or local authority having jurisdiction.
69	Furnish and install emergency equipment, distribution and feeders as listed in the bid documents, including all the emergency panels for each floor.
70	Furnish and install emergency lighting as specified or as required by code.
71	Fire alarm system will be connected to a dedicated EM circuit.
72	Furnish and install emergency exit and stair signs connected to EM circuits.
73	
74	Light Fixtures and Circuits
75	Furnish and install occupancy sensors and or lighting controls complete to provide a complete lighting system.
76	Furnish and install motion sensors for lighting as specified in the bid documents.
77	Reference the Architectural reflected ceiling plans to verify that they match the electrical drawings that have been used in preparation of your bid.
78	Furnish and install all light fixtures requiring any additional structural support shall be included in your bid.
79	All supports or wires shall be installed by this contractor, and the installation of these supports or wires shall not impact the installed ceilings grid.
80	Subcontractor is responsible to furnish, coordinate and install all drivers and switches for the LED fixtures.
81	Remove protective plastic wrapping from light fixtures when directed. Fixtures, lenses, trims, and baffles to be clean prior to turnover.
82	All fixtures/bulbs/LEDs to be operating upon acceptance at substantial completion.
83	Subcontractor is responsible for the deliveries and counts for all fixtures that are delivered to your shop or the site. Pepper will not be responsible for storing or receiving any fixture deliveries.
84	Subcontractor is responsible for all fixture quantities and lineal feet takeoffs for track or strip light fixtures. If you are unsure of any fixture type, submit and RFI.
85	
86	Site Lighting
87	Contact local Utility Locator prior to any trenching or digging. Submit paperwork to PCC's superintendent, after inspection has been performed.
88	Review site drawings and remove all electrical lights and devices. Where lights are permanently removed this contractor shall patch conduits and repull wiring so that other existing lights remain operational during and after turn over.
89	Furnish and install exterior lighting which will include panel boards, contractors, photo cells or time clocks as specified.

TP-24 - Electrical

Exhibit B

Furnish and install a complete conduit and wire raceway system for all exterior light fixtures. Provide weatherproof junction boxes in an island or traffic barrier covers for junction boxes installed in a hard surface area. Coordinate installation with landscape and paving contractor, for the correct elevation

Furnish and install concrete bases including steel cages for all exterior light poles and bollards. All concrete for the steel cages will be part of your scope of work. You will need to determine the depth of the underground support based on the height and weight of the pole and fixture, and the wind requirement.

Furnish and install all concrete encasements for your conduits, as indicated on the drawings.

If specified, furnish and install grounding rod for each concrete base, as indicated on the drawings.

Provide layout for your trenching, prior to starting any work.

Trenching and backfill for all exterior work relating to your trade will be included with your budget. Spoils will be hauled off site by this contractor.

All lighting shall be installed prior to the installation of hardscapes and landscapes. Provide all cutting and patches of any hardscape surfaces, that are required to install your raceway and homeruns.

This contractor shall coordinate with the masonry contractor for lighting installation.

Temporary Power

Furnish and install temporary electrical power, such as receptacle and lighting wire, may not be installed on PEPPER CONSTRUCTION sites as open conductors. Open conductors are copper conductors covered with one layer of insulating material. Temporary wiring connections must be contained within a junction box with a cover and properly secured to prevent movement. Temporary electrical service conductors, unless installed in metallic raceways, must utilize flexible cords and cables which carry the trade name "HARD SERVICE" or "JUNIOR HARD SERVICE", as defined in the 2002 edition of the NEC Article 400 "Flexible Cords and Cables" Table 400.4. Non-Metallic Sheathed cable (Romex) is not permitted.

Ground fault circuit Interrupters must be provided on all temporary receptacles.

This contractor to review the requirements of the buck hoist for operation included in the Exhibit, and shall provide all power and means of disconnect. This contractor is to provide transformer to deliver 480V, 3 phase to the buck hoist location.

Furnish and install properly sized switchgear and distribution panels for trailers, power to operate electric equipment, elevators, tools, and lighting until permanent power becomes available.

Furnish and install temporary power and lighting including maintenance through the completion of the job. Provide removal of all electrical material not used after each phase.

Include extension of temporary electric for use in construction for complete site coverage, and maintenance of the complete system.

Maintain the proper foot candles in all construction areas in accordance with PCC & OSHA requirements.

Furnish and install power wiring for temporary heat if required.

Furnish and install ground fault circuit interrupter receptacles per PCC's Safety Handbook requirements.

Prior to above ceiling inspections partial temporary power may be required to be relocated or moved. This contractor shall coordinate and relocate temporary power per Pepper Construction Superintendent's direction.

Provide temporary power for the site to function normally during electrical switch gear installation so that work on site is not interrupted during the removal of the existing switch gear, and installation of the new switch gear. The removal and demolition of the switch gear is to be preformed by this contractor.

This contractor shall include all required overtime or off hours required to make tie-ins to the existing system, relocate power, or other work required for temporary power.

Properly ground each circuit breaker panel, per code and NEC requirements.

Fire Alarm

This contractor to hire JCI to furnish and Install fire alarm system. Document to confirm on request to the GC.

Low Voltage Raceways/ Systems

Electrical Subcontractor to furnish and install conduit (raceways), boxes, and cable trays for the structured cabling system, Access Control and Security System, HVAC Controls System, and AV System.

Furnish and install all cable trays with the proper support and accessories as indicated. Cable trays are to be routed into IDF/ IT closets to within 2' of the data racks.

All sleeve penetrations to be fire sealed inside and outside after all cabling is completely installed. Subcontractor shall provide caps and firesafing to maintain original cores that are not to be reused.

Subcontractor to properly ground all telecommunications equipment including but not limited to racks, cabinets and cable trays/ladders in accordance with manufacturer and EIA/TIA guidelines.

TP-24 - Electrical

Exhibit B

Provide grounding bus bar in every MDF, IDF, TSER closets and AV equipment storage as indicated.

Furnish and install all floor mounted poke-thru systems for low voltage and/or AV systems. Provide for all scanning, coring, fire stopping, conduit, etc.

Furnish and install all conduits, boxes, sleeves etc. for AV systems between the input source and the output device (TV, projector, etc.)

Subcontractor shall provide conduit stub-ups throughout the building for both voice/data and CATV systems as necessary for a complete system.

This contractor shall furnish and install all required boxes and raceways for the temperature controls systems, plumbing low voltage, and HVAC low voltage.

Raceways shall be furnished and installed at furniture raceways, work stations, desks, etc.

Furnish and install two (2) additional 3/4" conduits from the main communication room and stub up at each tele/data room for future use by others.

Access Controls & Security

Electrical Subcontractor to furnish and install conduit (raceways), boxes, and cable trays for the structured cabling system, Access Control and Security System, HVAC Controls System, and AV System.

Provide single phase or 3 phase power to this system as identified on the project documents. Coordinate with this contractor for outlet type, or termination requirements.

Phone/Data Cabling

Electrical Subcontractor to furnish and install conduit (raceways), boxes, and cable trays for the structured cabling system, Access Control and Security System, HVAC Controls System, and AV System.

Provide single phase or 3 phase power to this system as identified on the project documents. Coordinate with this contractor for outlet type, or termination requirements.

Project Specific Scope of Work

This contractor shall review the Audio Visual (AV) and low Voltage (LV) scope of work, and coordinate closely with the AV Contractor. This contractor shall review approved AV drawings for rough in requirement.

This contractor shall provide rough in for all AV/LV devices and include pull strigs in raceways. Standard electrical boxes (handy box

Review specified AV/ LV design and confirm and/or identify proper conduit sizes/ boxes, locations, etc. for a fully function system. Notify the PCC project team and coordinate with the Electrical Subcontractor prior to the start of electrical rough-in of system conduit, box, raceway requirements. AV Subcontractor hold a AV coordination meeting.

Electrical contractor shall attend coordination meeting with Door and Hardware, Glass and Glazing, Auto Operator contractors for electrical requirements.

Ceiling mounts and systems required by the AV contractor's scope of work shall be installed by this contractor. Coordinate with the AV contractor for support structure and requirements.

This contractor shall reference 144216 - Enclosure Vertical Platform Wheel Chair Lift Specification for electrical requirements. This contractor shall provide all line side wiring, wiring from load side to line side of lift, and all required switches, disconnects, shunt trip breakers required.

This contractor shall furnish and install all required boxes and raceways for the temperature controls systems, plumbing low voltage, and HVAC low voltage.

Review BP-2 on Lynn Imaging or UK Plan Room for Scope Requirements for Pre Purchased Switch Gear. Please submit Prebid RFI for any questions regard RFP.

Include connections to install (8) 3 phase pig tails for equipment, and removal. Pig tails to be provided to this contractor.

This contractor shall provide all required materials, equipment, and labor for required demolition shown on the Electrical Drawings.

This contractor shall provide all required materials, equipment, and labor for required demolition of electrical devices, switches, lights, etc shown on all the architectural drawings. Remove lighting fixtures per note 6 on sheet A3.4.

Specification Section/s

All Division "00", "01, 02" specification sections are included.

All specification sections listed in relevant part and section to this scope of work are included.

Specification Section/s: XXXXX

Div.21 Fire Suppression (As It Applies to This Scope)

Div.22 Plumbing (As It Applies to This Scope)

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TP-24 - Electrical	
Exhibit B	
Div.23 Heating Ventilating, and Air Conditioning (HVAC) as it applies)	
Div.25 Integrated Automation	
Div.26 Electrical	
Div.27 Communication	
Div.28 Electronic Safety and Security	
Spec. 081113 Hollow Metal Doors and Frames	
Spec. 081416 Flush Wood Doors	
Spec. 087100 Door Hardware	
Spec. 084113 Aluminum-Framed Entrances and Storefronts	
Spec. 084413 Glazed Aluminum Curtain Walls	
Allowances	
Fire Alarm Allowance : \$435,196.29	
The Fire Alarm Allowance is an allowance from JCI assigned to the awarded contractor who will contract and manage JCI.	
Temporary Heating and Air : \$75,000	

Pepper Construction Company

White Hall BP-3

140 Patterson

Lexington Ky

Job#: 2300309

TP-25 - Structured Cabling

Exhibit B

Base Bid Including Taxes

TRADE SPECIFIC SCOPE OF WORK

Bidder shall include a complete FURNISHED AND INSTALLED ("Provide" means to "furnish & install") system / assembly relevant to its scope of work as indicated in the contract documents and as per this scope of work document. Each scope of work section includes, but is not limited to, the following:

General Scope of Work

Phone/Data Cabling

Furnish and install fiber optic cables in inner duct or conduit raceway.

~~Furnish and install all the proper size and quantities of conduit per the contract documents and communications utility provider.~~

~~Subcontractor to provided a ground bar in order to bond all telephone, communications, server equipment rack grounds in accordance with the contract documents.~~

Subcontractor shall provide a pull string in all telephone and data raceway for use by others.

Provide for all final testing and certification for all equipment, cables, and termination points as specified in the bid document and/or as required by the manufacturer. Submit all testing result for approval.

Provide for the warranty on all low voltage system components as specified.

If not specified, Installations shall comply to TIA/EIA standards, or as specified.

Provide an as-built drawing indicating all data cable locations with cable ID (labeling) and associated rack/ patch panel ID, as installed.

Furnish and install all data cable, terminations, jacks, face plates, etc. as indicated, as specified. Indicate the quantity of data cable runs included.

Confirm included data cable and associated accessories is the correct gauge, per the manufacturer and as indicated in the specifications.

Provide for specified data cable color. Review with Engineer and/ or Owner prior to starting work.

Furnish and install all cables as home runs, splicing of any cable is not permitted.

Any cable ran through a plenum rated space ("free air") must be plenum rated cable. Non-plenum rated cable ran through a plenum space must be run through conduit.

Cable ran through exposed areas must be installed in a clean, orthogonal, workmanlike manner, subject to architect approval.

Furnish and install cable, face plate etc. identification labeling as indicated in the bid documents. Review face plate, cable, rack, etc. labeling format with Engineer and/ or Owner prior to starting work. Submit labeling shop drawing as required.

Subcontractor to label all faceplates, patch panels and cables with permanent machine typed labels.

If not specified, provide an additional 10' of coiled specified data cable at all wireless access point locations.

If required, provide specified cabling for each elevator emergency phone.

Provide for all cabling routing and final terminations in furniture systems. Include coordination with furniture supplier/ installer.

Furnish and install all data racks, including all vertical and horizontal wire management, ladder racks, power strips, accessories, etc. as indicated and as specified.

Furnish and install patch panels, patch cables, labeling, etc. as indicated, as specified.

Confirm the patch panels and cables included are the correct size, manufacturer, port quantities, etc. as specified.

All terminated data cable within the patch panels must be routed and installed through the data rack wire management system in a clean, orthogonal and workmanlike manner.

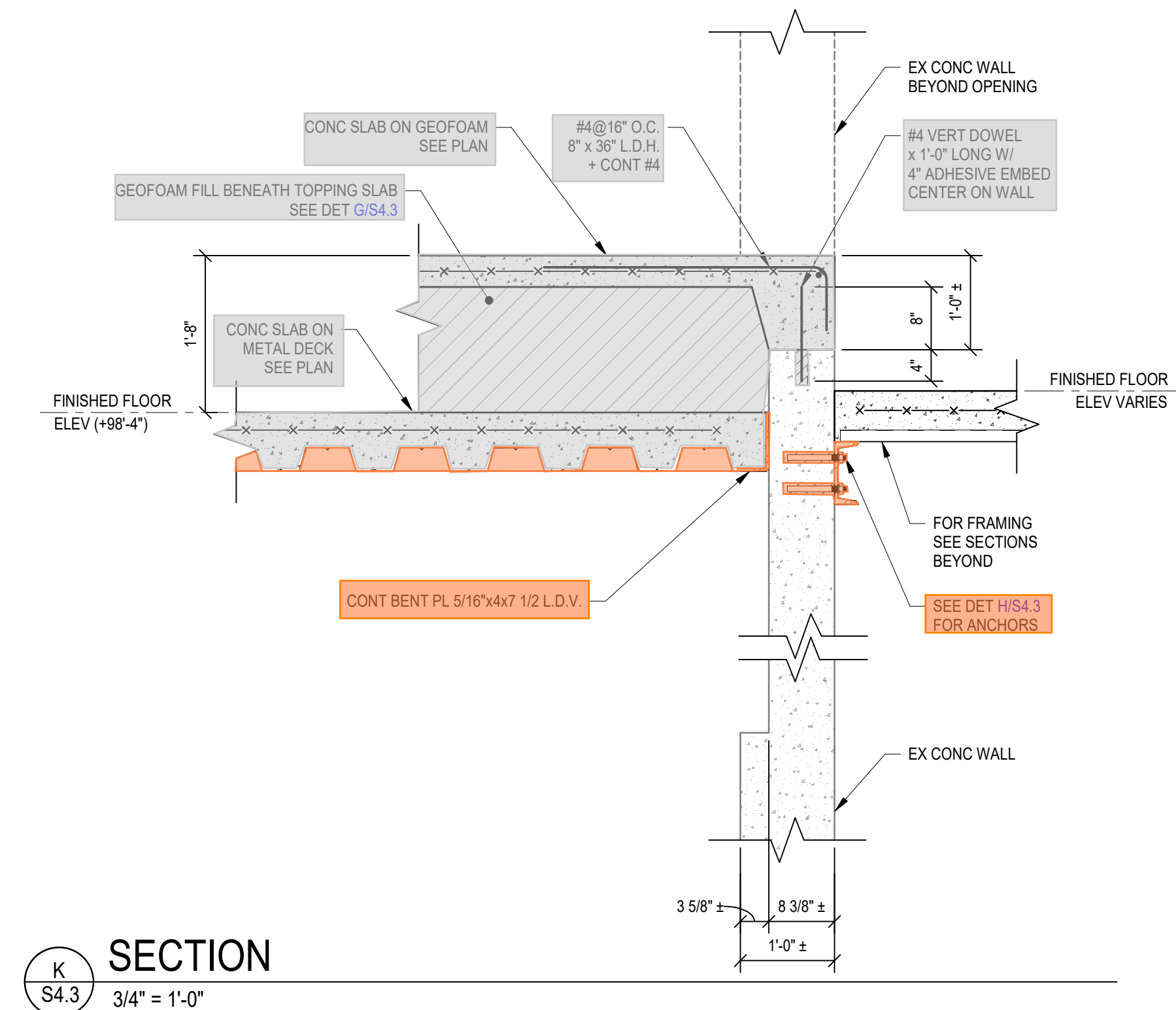
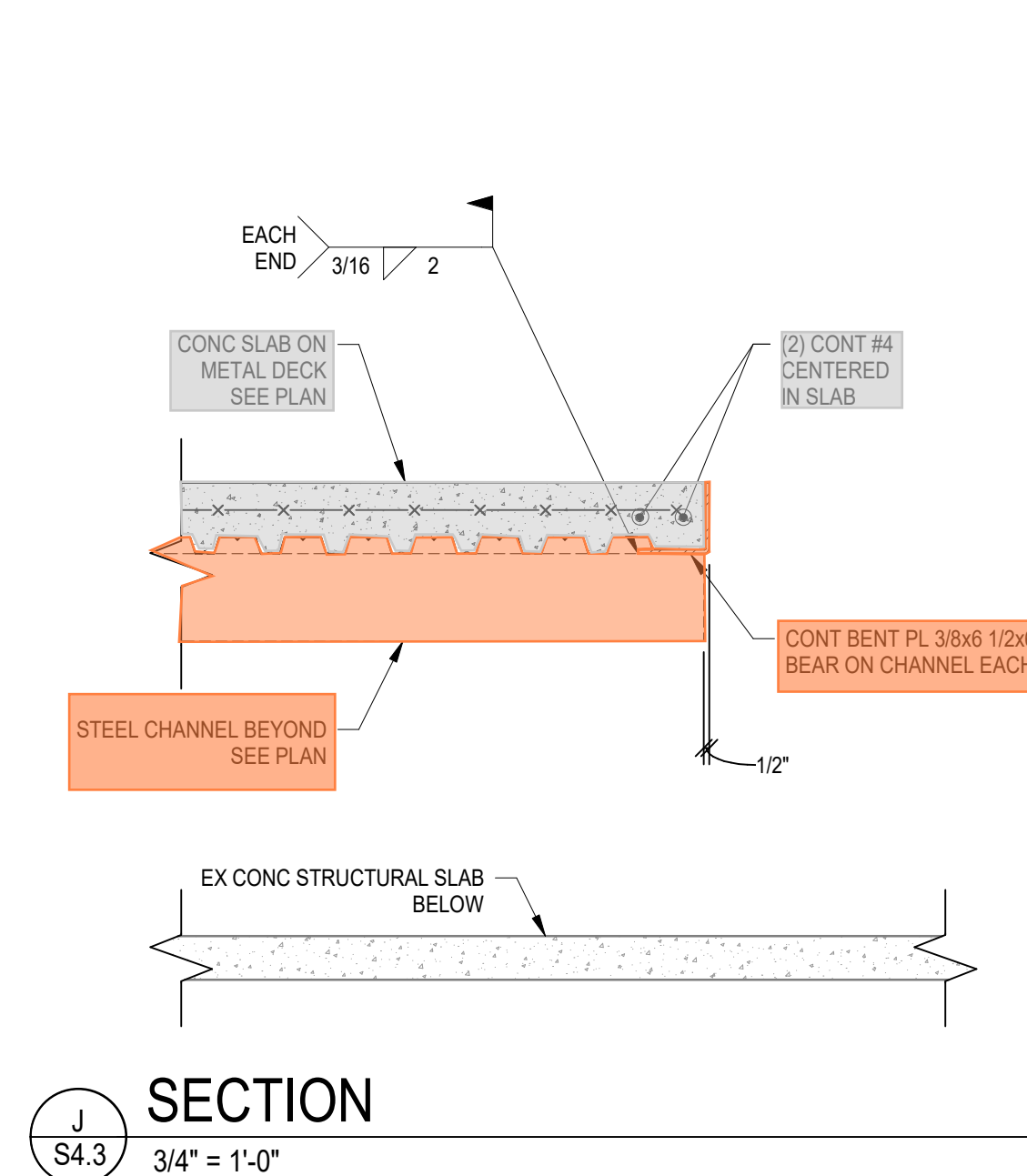
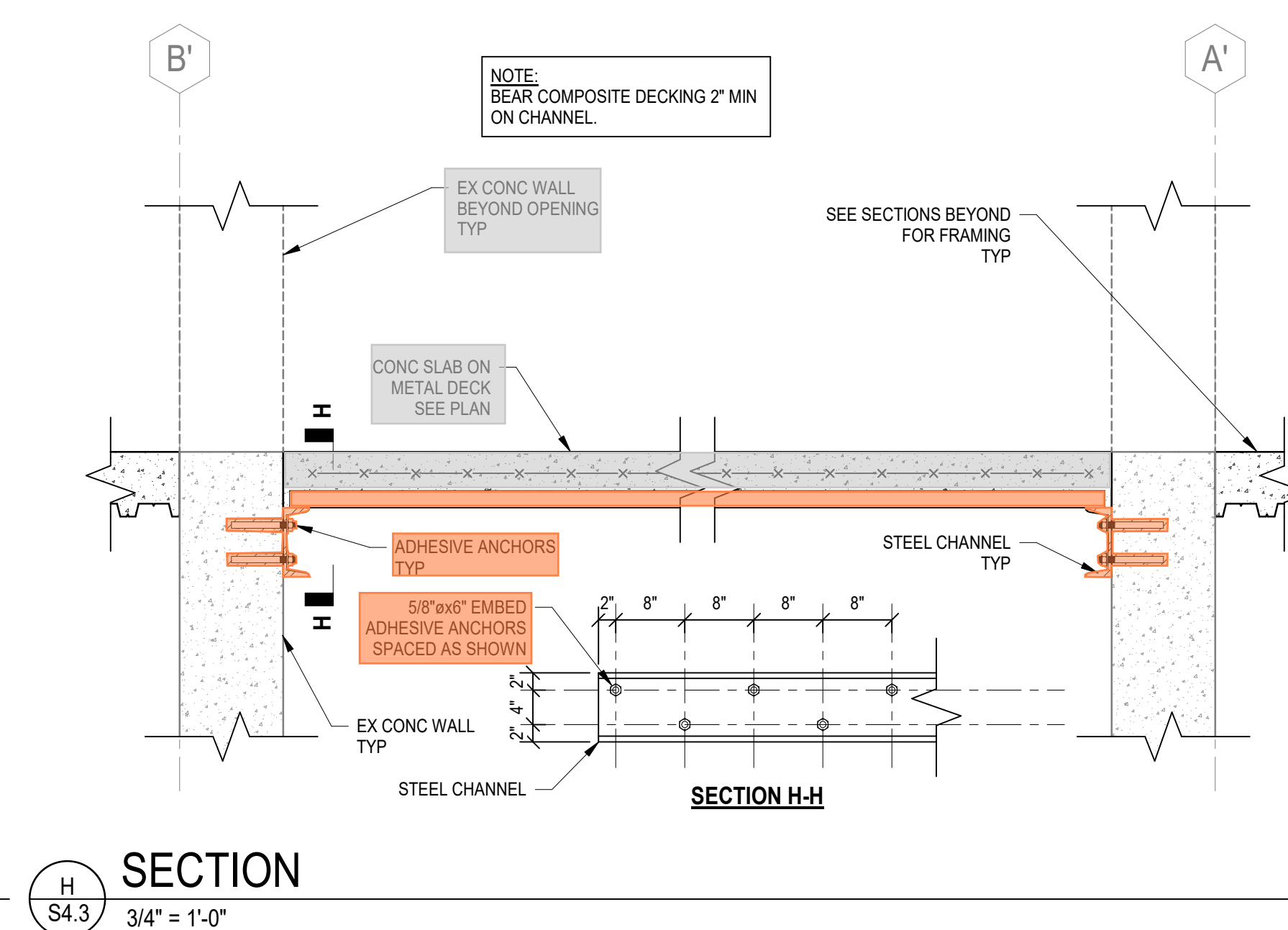
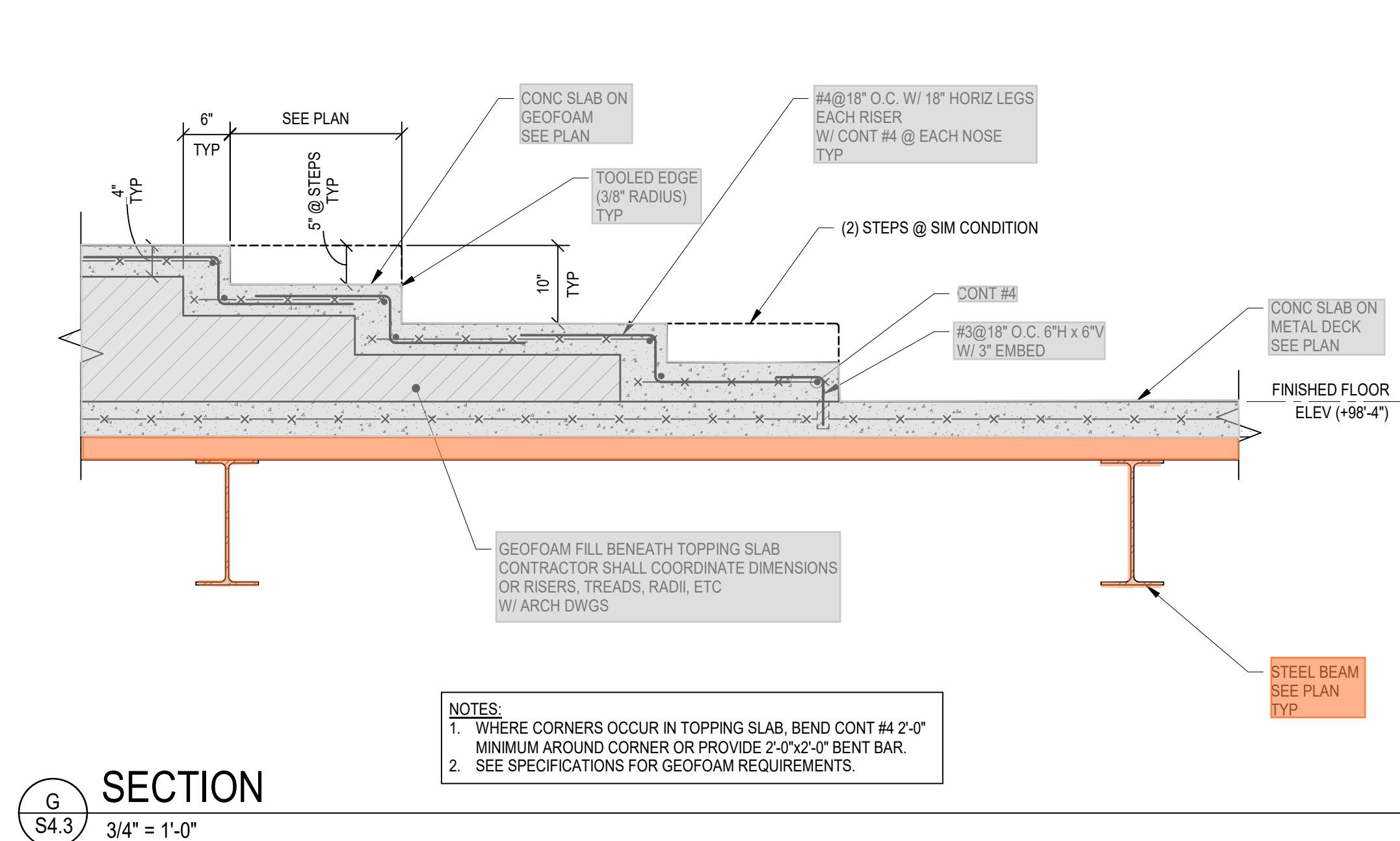
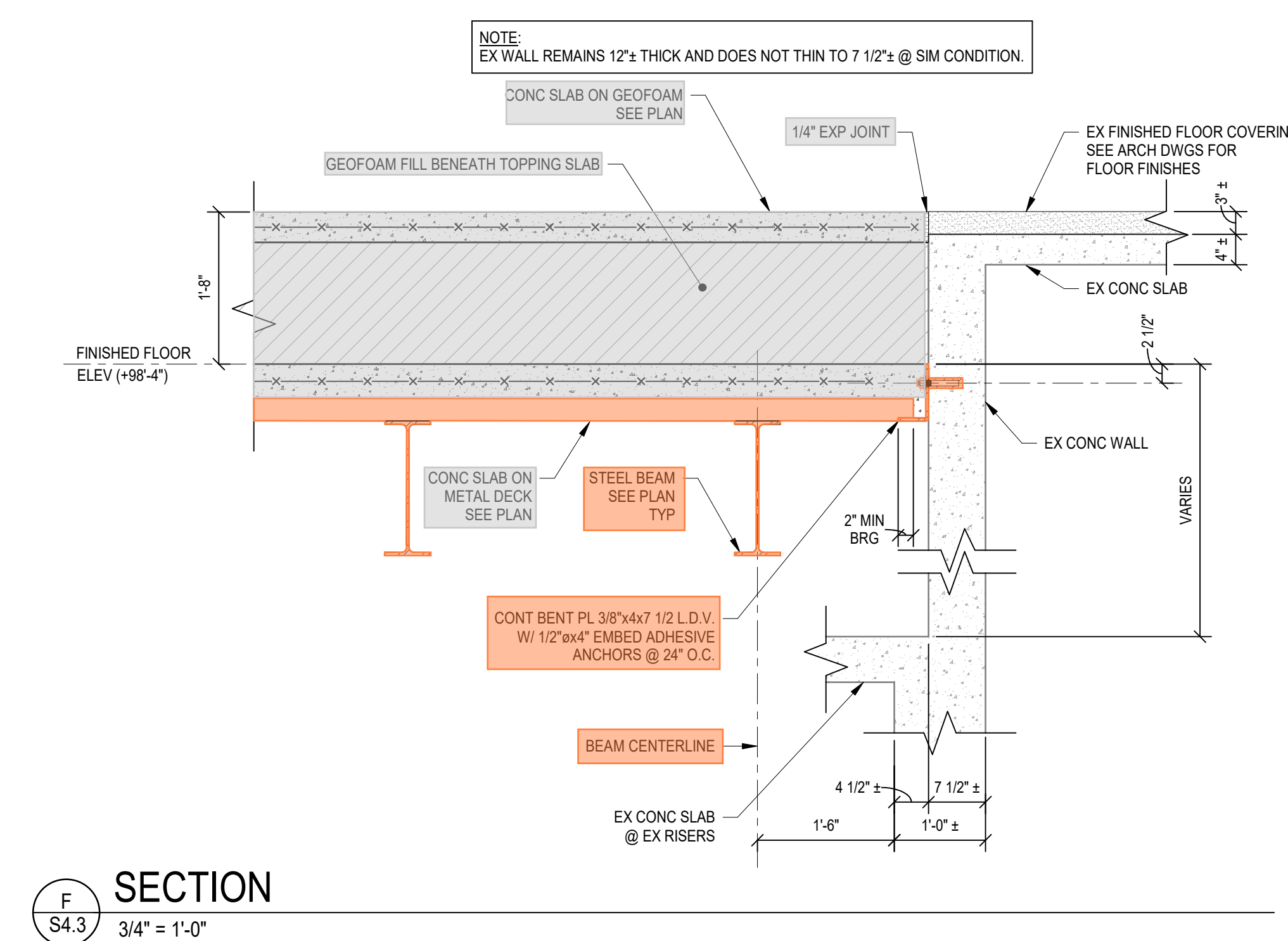
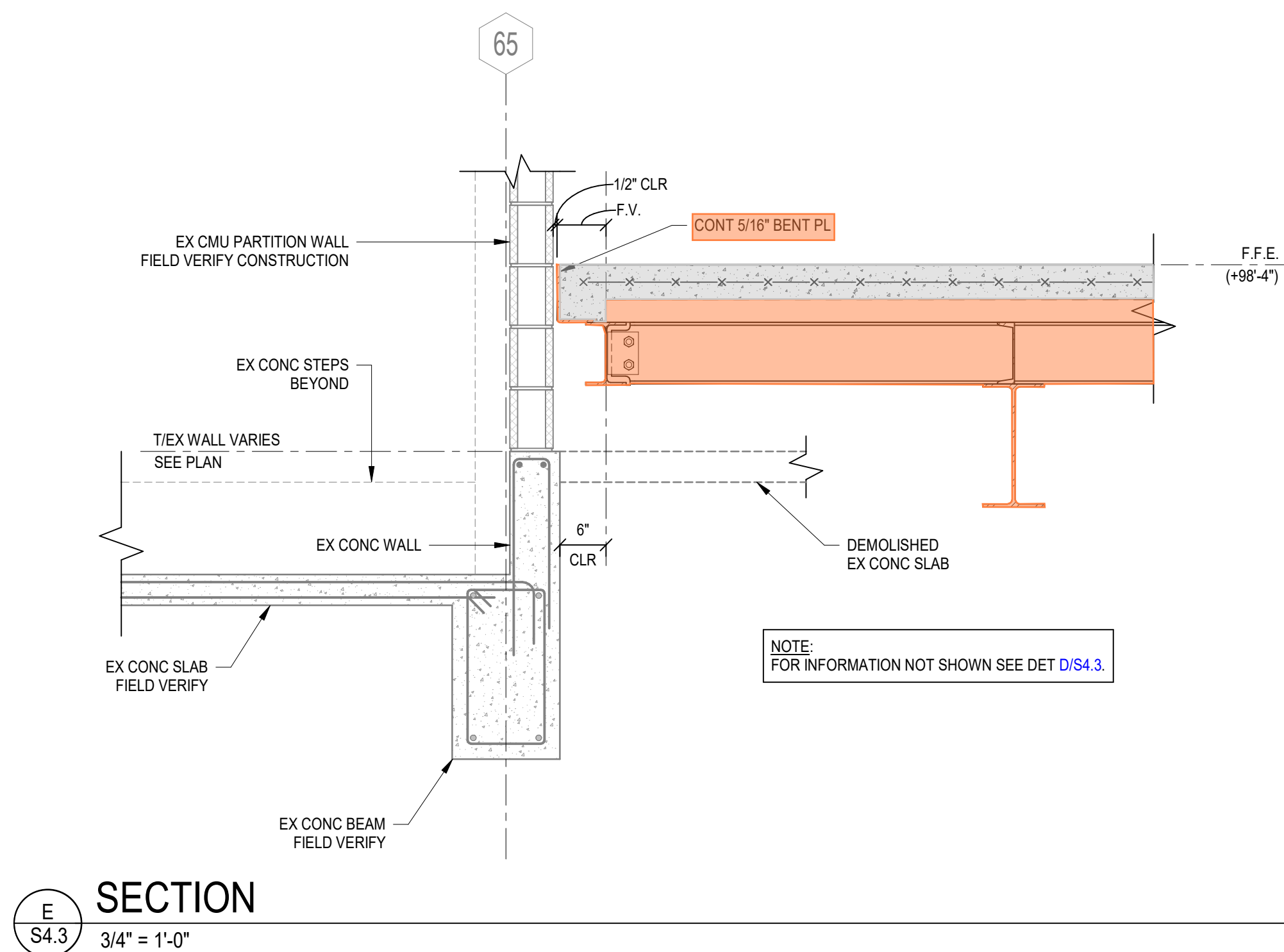
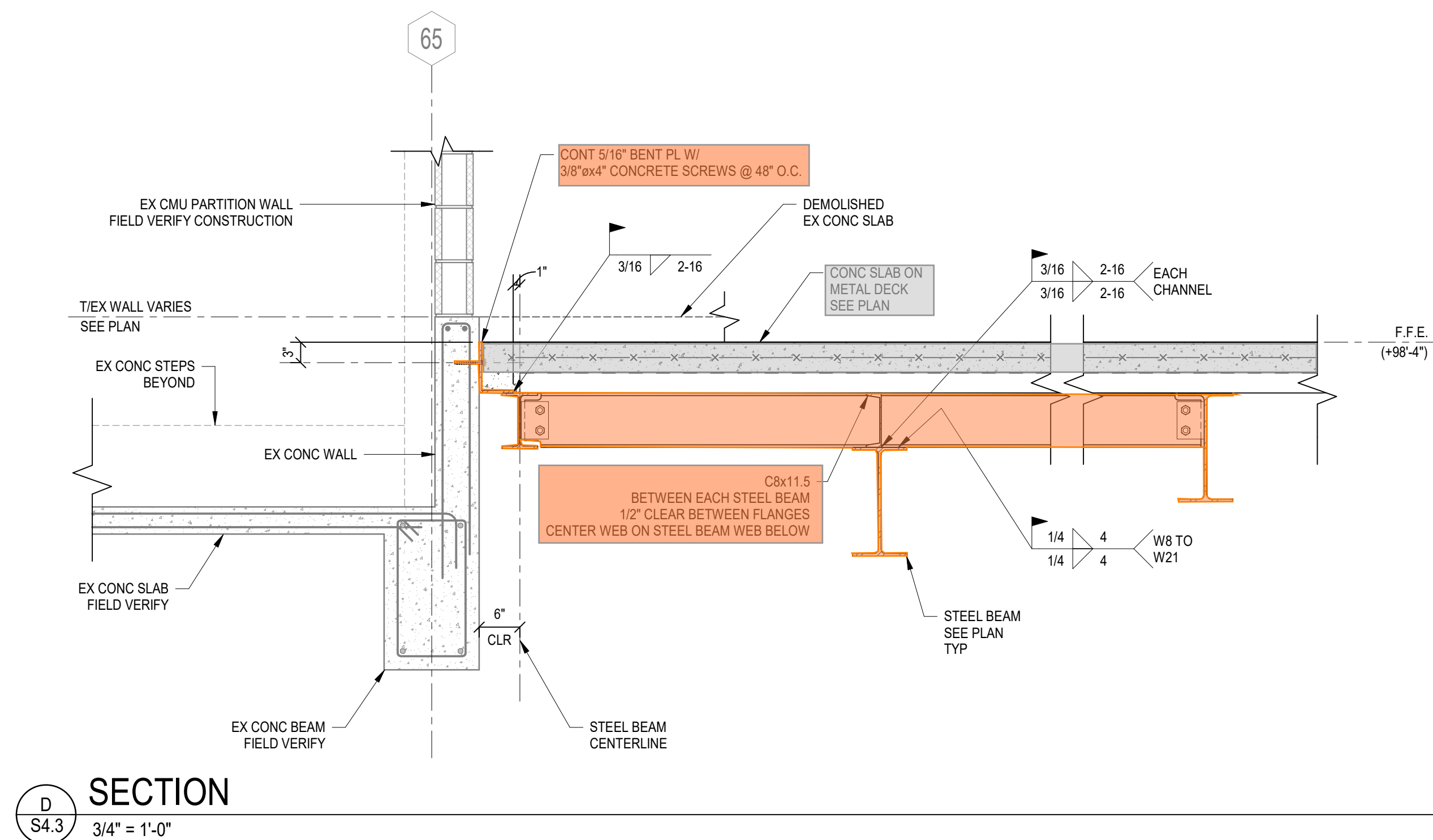
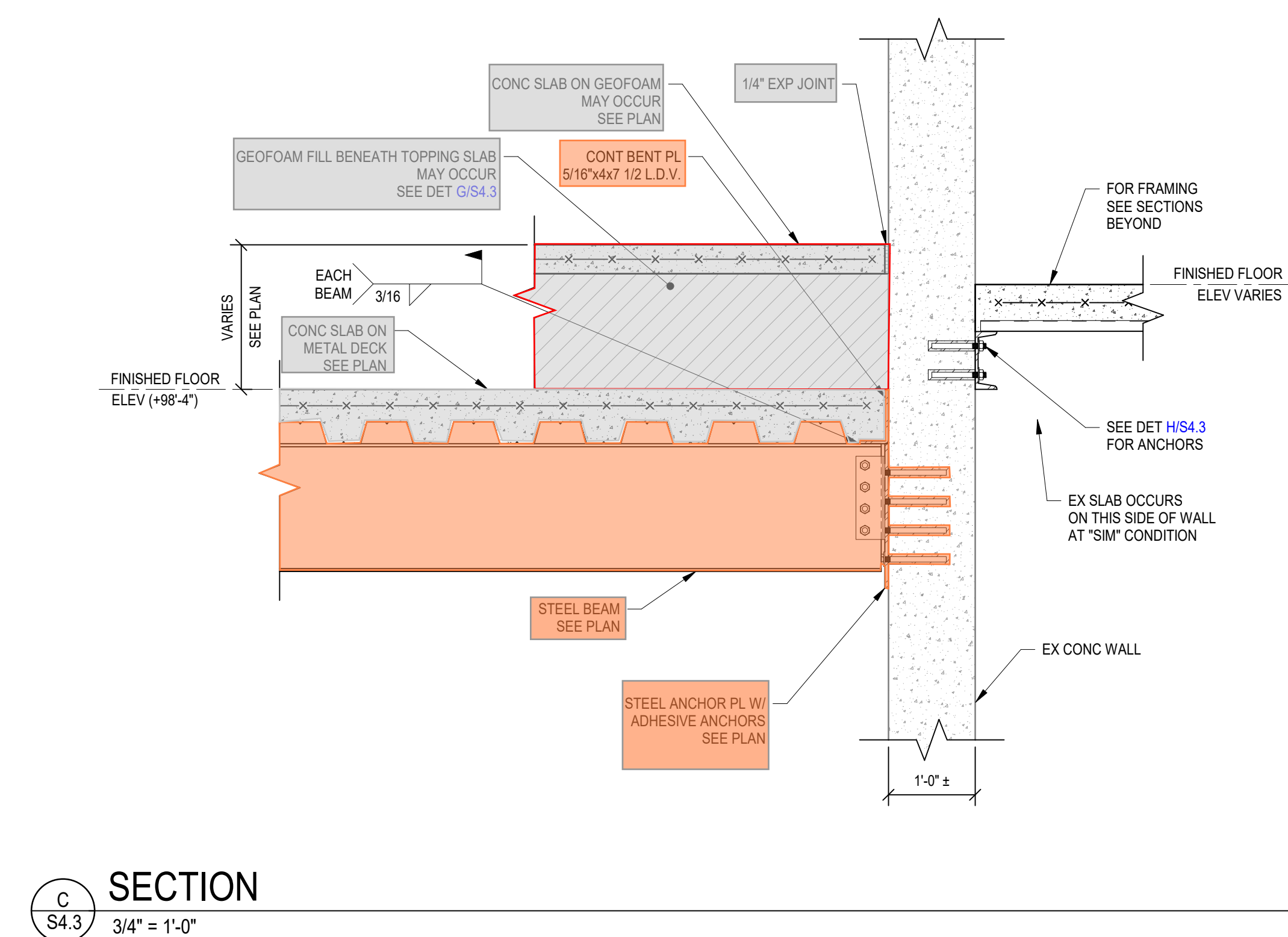
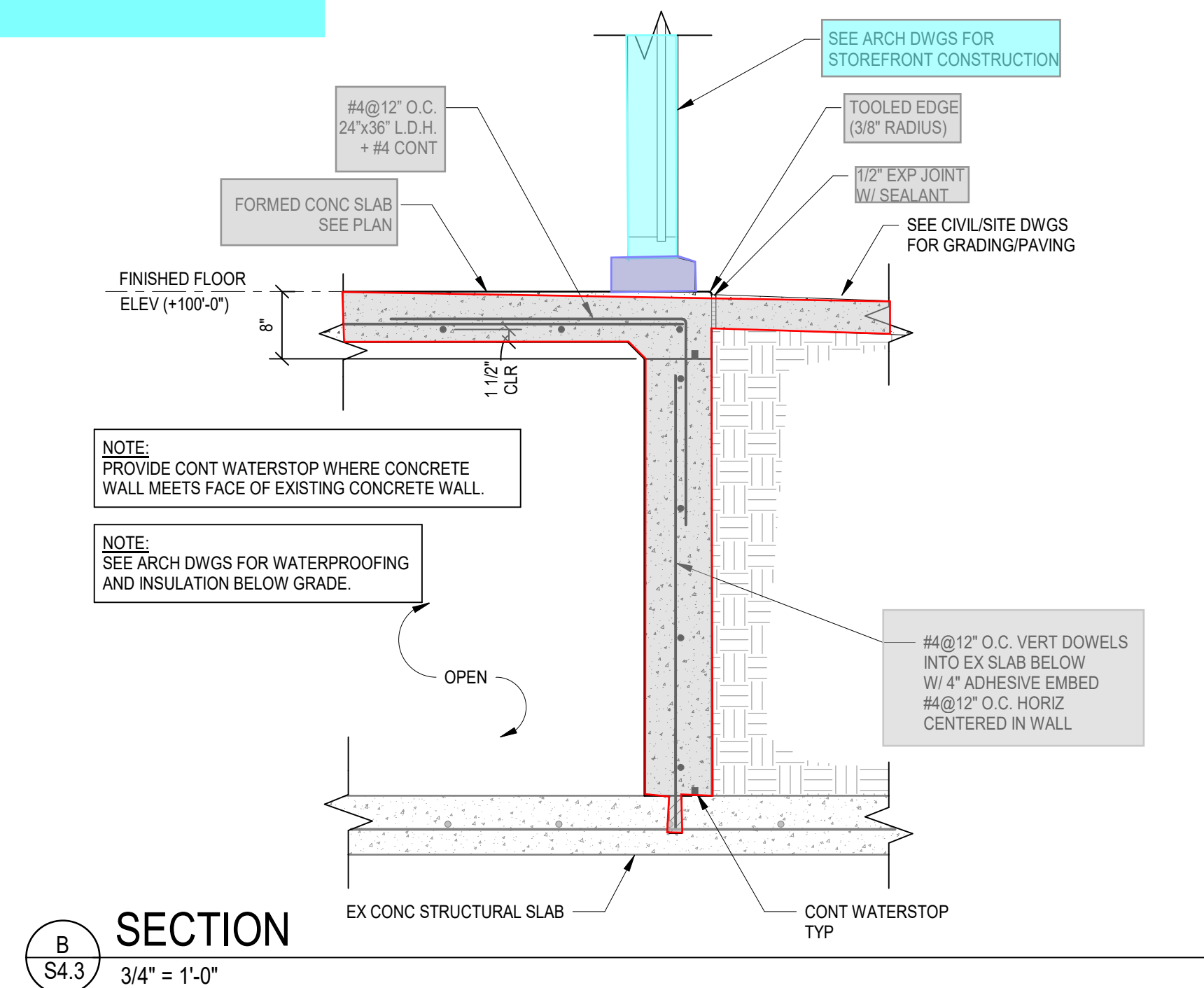
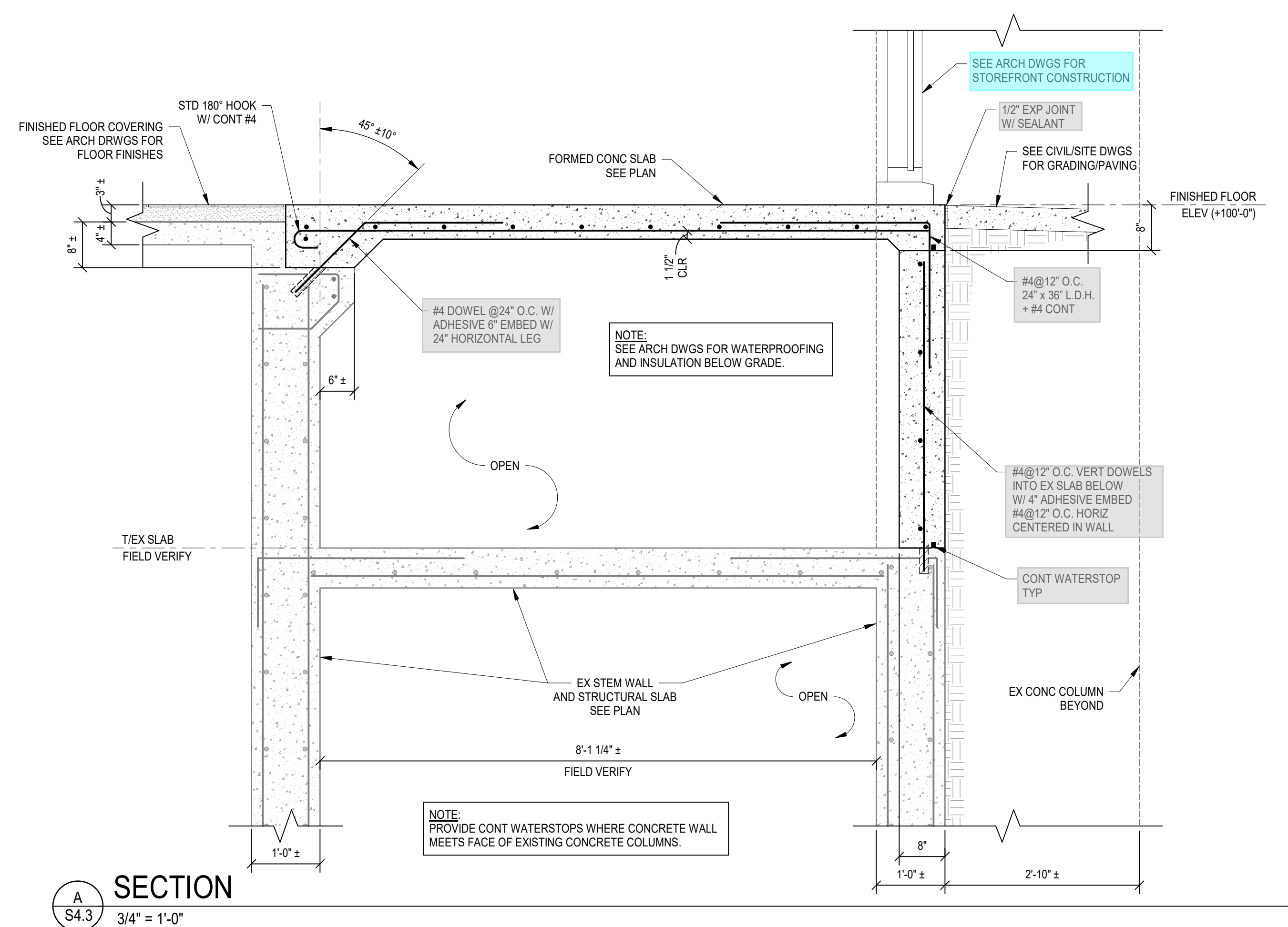
TP-25 - Structured Cabling

Exhibit B

25	Provide a shop drawing indicating the layout of the IT closet/ room indicating the locations for all data racks, wire management system; including an elevation of the data racks indicating the locations of all patch panels, fiber panels, and Owner furnished equipment.
26	Furnish and install fiber optic patch panels, patch cords, etc. as specified.
27	Furnish and install all back bone cabling (i.e. multimode fiber optical cable, single mode fiber optical cable and multi pair copper cables.) Verify the type and manufacturer pair included in the base bid is as specified in the bid documents.
28	Furnish and install fiber optic cables in inner duct or conduit raceway.
29	If required, furnish and install the required coaxial cable, terminations, face plates, equipment, etc. per the bid documents.
30	Provide cable from the TSER / IDF service provider D-Mark. Cable will be routed through the AV closet to each of the IDF closets.
31	Cabling subcontractor to furnish and install required cabling for motorized window treatment. Review window treatment specifications.
32	Subcontractor shall coordinate with communications utility providers in order to determine building communications system infrastructure and architecture.
33	Subcontractor to provide a ground bar in order to bond all telephone, communications, server equipment rack grounds in accordance with the contract documents.
34	Furnish and install Transient Voltage Suppression System (T.V.S.S.)
35	Furnish and install Category 6A, Shielded, Plenum rated cables at all ethernet locations.
36	Furnish and install all low voltage cabling as described in the contract documents.
37	Provide a complete Voice / Data cabling and distribution equipment for each unit. Including a testing and certification of the cable and the warranty for the cable in accordance with the contract documents.
38	All low voltage wiring is required to be in conduit from termination point to cable tray. Reference specifications for requirements. Subcontractor shall provide all fire caulking to match wall rating.
39	Subcontractor shall provide conduit stub-ups throughout the building for both voice/data and CATV systems as necessary for a complete system.
40	Any cable ran through a plenum rated space ("free air") must be plenum rated cable. Non-plenum rated cable ran through a plenum space must be run through conduit.
41	Furnish & install all devices at floors, wall and at workstation/furniture
42	All low voltage cabling is by this contractor except for the temperature control system, multiple scopes and specifications are required to be reviewed and coordinated by this contractor. Each system installed by this contractor shall be a complete system from rack to wall jack.
43	Patch cables are to be included by this contractor.
44	
45	<u>Project Specific Scope of Work</u>
46	LV Subcontractor to furnish to the Electrical Subcontractor any specific LV back box (separate from a typical 1900 box, etc.) to be installed as part of the electrical rough-in. Electrical rough in shall include mud rings if required by AV system.
47	Ceiling mounts and systems required by the LV contractor's scope of work shall be installed by this contractor. Coordinate with the Electrical contractor for support structure and requirements.
48	Low Voltage Contractor to coordinate with DFH contractor, attend DFH meetings, and assist in coordination for a successful simultaneous install of DFH and LV wiring.
49	Low Voltage contractor shall attend coordination meeting with Door and Hardware, Glass and Glazing, Auto Operator contractors for electrical requirements.
50	
51	<u>Specification Section/s</u>
52	All Division "00", "01, 02" specification sections are included.
53	All specification sections listed in relevant part and section to this scope of work are included.
54	Specification Section/s: XXXXX
55	Div.21 Fire Suppression (As It Applies to This Scope)
56	Div.22 Plumbing (As It Applies to This Scope)
57	Div.23 Heating Ventilating, and Air Conditioning (HVAC) (as it applies)
58	Div.25 Integrated Automation
59	Div.26 Electrical
60	Div.27 Communication
61	Div.28 Electronic Safety and Security
62	Spec. 081113 Hollow Metal Doors and Frames

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TP-25 - Structured Cabling Exhibit B	
Spec. 081416	Flush Wood Doors
Spec. 087100	Door Hardware
Spec. 084113	Aluminum-Framed Entrances and Storefronts
Spec. 084413	Glazed Aluminum Curtain Walls
	Allowances



$$\frac{3}{4}'' = 1'-0''$$
$$\frac{3}{4}'' = 1'-0''$$

3/4" = 1'-0"

3/4" = 1'-0"

$$\frac{3}{4}'' = 1'-0''$$
$$\frac{3}{4}'' = 1'-0''$$
$$\frac{3}{4}'' = 1'-0''$$
$$\frac{3}{4}'' = 1'-0''$$

$3/4" = 1'-0"$

$3/4" = 1'-0"$

$$1'' = 1' - 0''$$
$$1'' = 1' - 0''$$

$3/4" = 1'-0"$

$3/4" = 1'-0"$

$$\frac{3}{4}'' = 1'-0''$$
$$\frac{3}{4}'' = 1'-0''$$

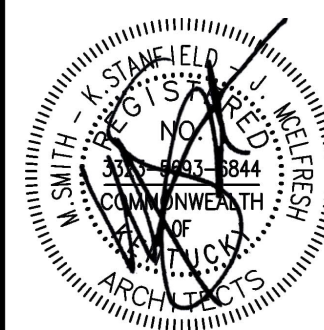
TYPICAL WELDABLE REINFORCEMENT ANCHORAGE DETAIL

NOT TO SCALE

$$\frac{3}{4}'' = 1'-0''$$
$$\frac{3}{4}'' = 1'-0''$$
$$3/4'' = 1'-0''$$
$$3/4'' = 1'-0''$$

PARTITION WALL FRAME ELEVATION

NOT TO SCALE



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DATE	SEPT. 10, 2024
DRAWN	MS/EM
CHECKED	GJB/KL
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REVISIONS	
Type	No. Date

GRAPHIC LEGEND

- EXISTING PARTITION TO REMAIN
- EXISTING PARTITION TO BE REMOVED
- NEW PARTITION
- NO OPENING MARK AT EXISTING DOORS WITH NO WORK - TYP
- EXISTING DOOR TO REMAIN
- NEW DOOR OPENING MARK - TYP
- NEW DOOR
- EXISTING WINDOW TO REMAIN
- NEW WINDOW
- NEW CONCRETE FLOOR SLAB OR CONCRETE SLAB INFILL
- NO ARCHITECTURAL WORK THIS AREA
- WATERPROOFING SCOPE OF EXISTING PLAZA, STAIRS AND SIDEWALKS
- WATERPROOFING SCOPE OF EXISTING PLANTERS
- MTL-91A PERFORATED METAL PANEL
- CLEAN EXISTING CONCRETE WALLS, COLUMNS OR CEILINGS AS INDICATED. REMOVE ALL EXISTING WALL ATTACHMENT, CLIPS, NAILS. FILL IN EXISTING GAPS. IMPERFECTIONS AS REQUIRED TO PROVIDE SMOOTH FINISH. REMOVE PAINT, ROUGH OR JAGGED EDGES AND CORNERS.

GENERAL SHEET NOTES

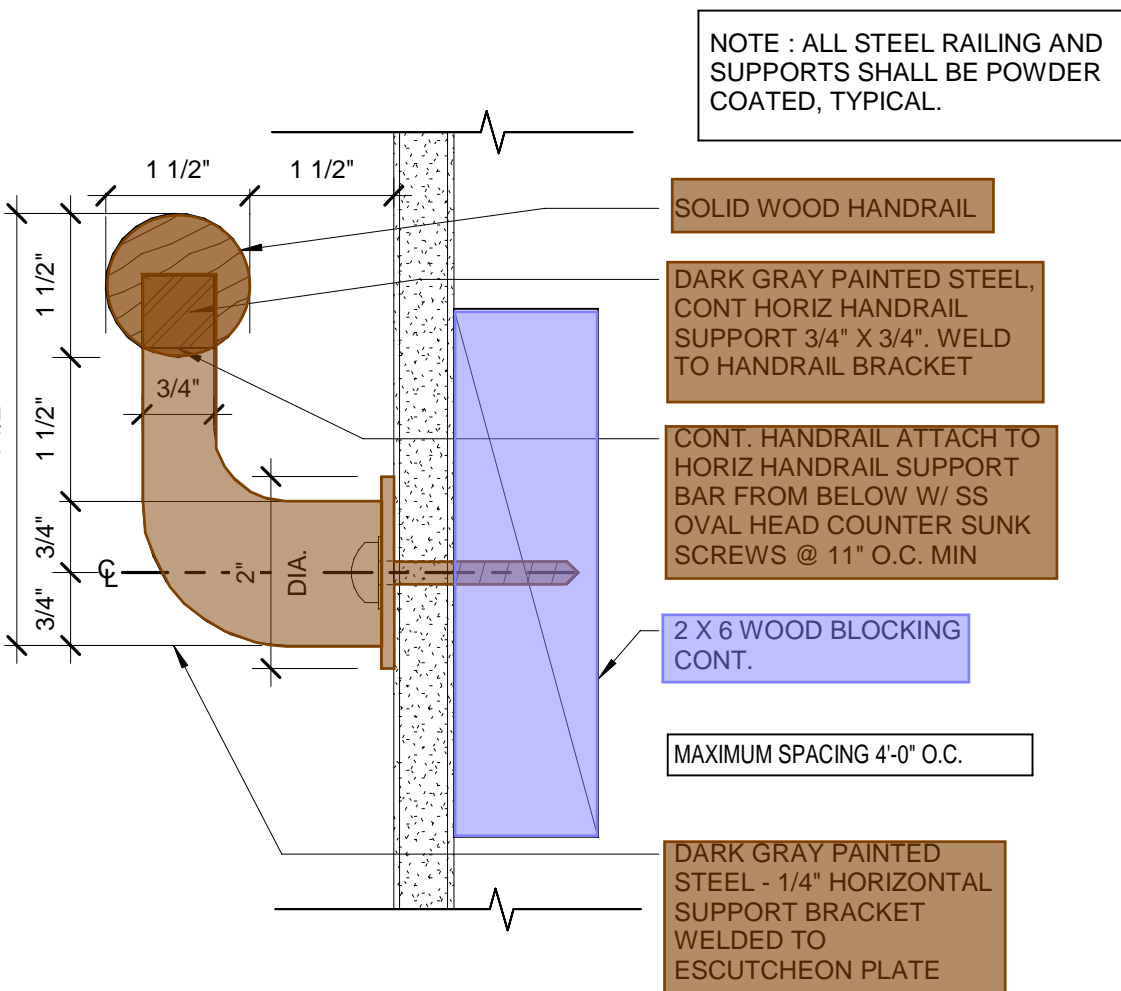
- REFER TO THE A0.X SERIES SHEETS FOR ARCHITECTURAL GENERAL NOTES, DRAWING, REFERENCE AND MATERIAL SYMBOLS, ABBREVIATIONS, AS WELL AS DIMENSIONING CONVENTIONS USED ON THIS SHEET.
- PRESSURE WASH ENTIRE BUILDING PRIOR TO ANY REPAIR AND PAINT PREP.
- REFER TO FINISH MATERIAL SCHEDULE FOR DETAIL MATERIAL INFORMATION, TYP.
- ALL DIMENSIONS AT EXISTING OPENINGS ARE ±. FIELD VERIFY.

SHEET KEYNOTES

KEY VALUE	KEYNOTE TEXT
A102	NEW CONCRETE SLAB. REF. TO STRUCTURAL AND ARCH DETAILS.
A134	TABLES BUILT IN FOR TIERED SEATING OF CL.
A152	WHEEL CHAIR LIFT. PROVIDE 3" DEPRESSION AT SLAB.
A154	ACCESS PANEL
A212	WALL MOUNTED HANDRAIL. REFER TO DETAIL 7102.2.
A709	STRUCTURAL OPENING. REF. STRUCTURAL DWGS.

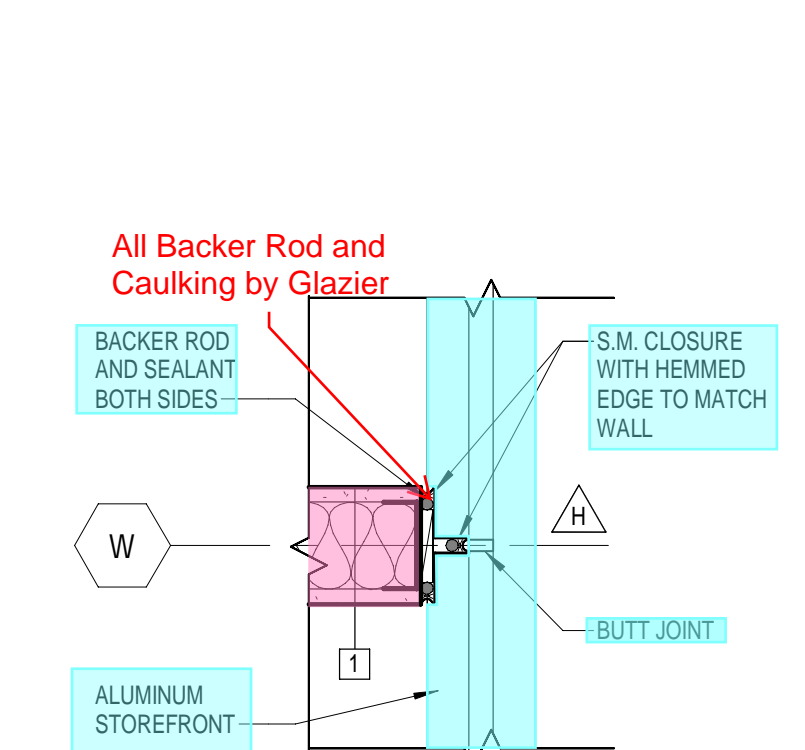
10 DETAIL

1 1/2" = 1'-0"



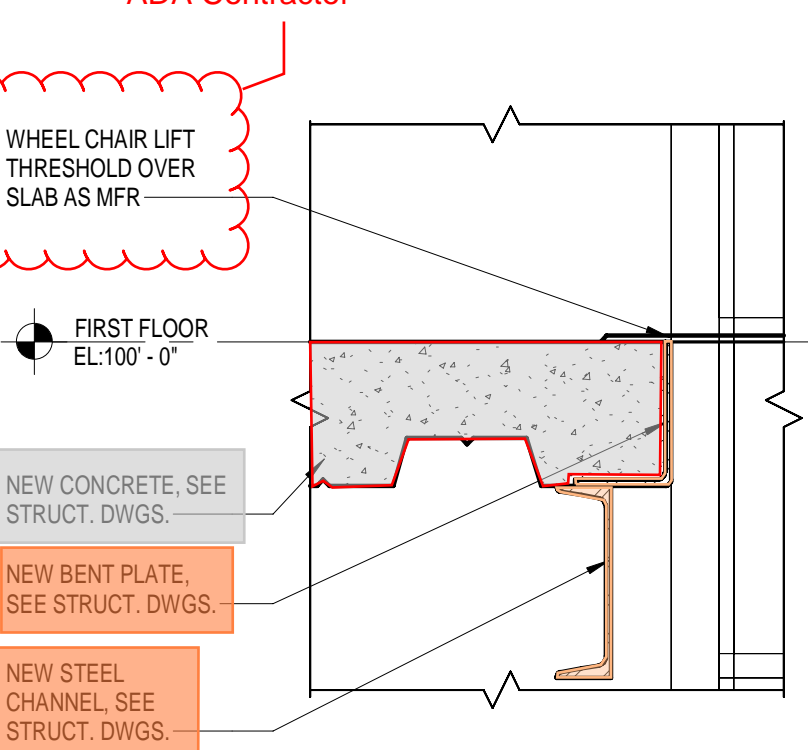
9 DETAIL

3" = 1'-0"



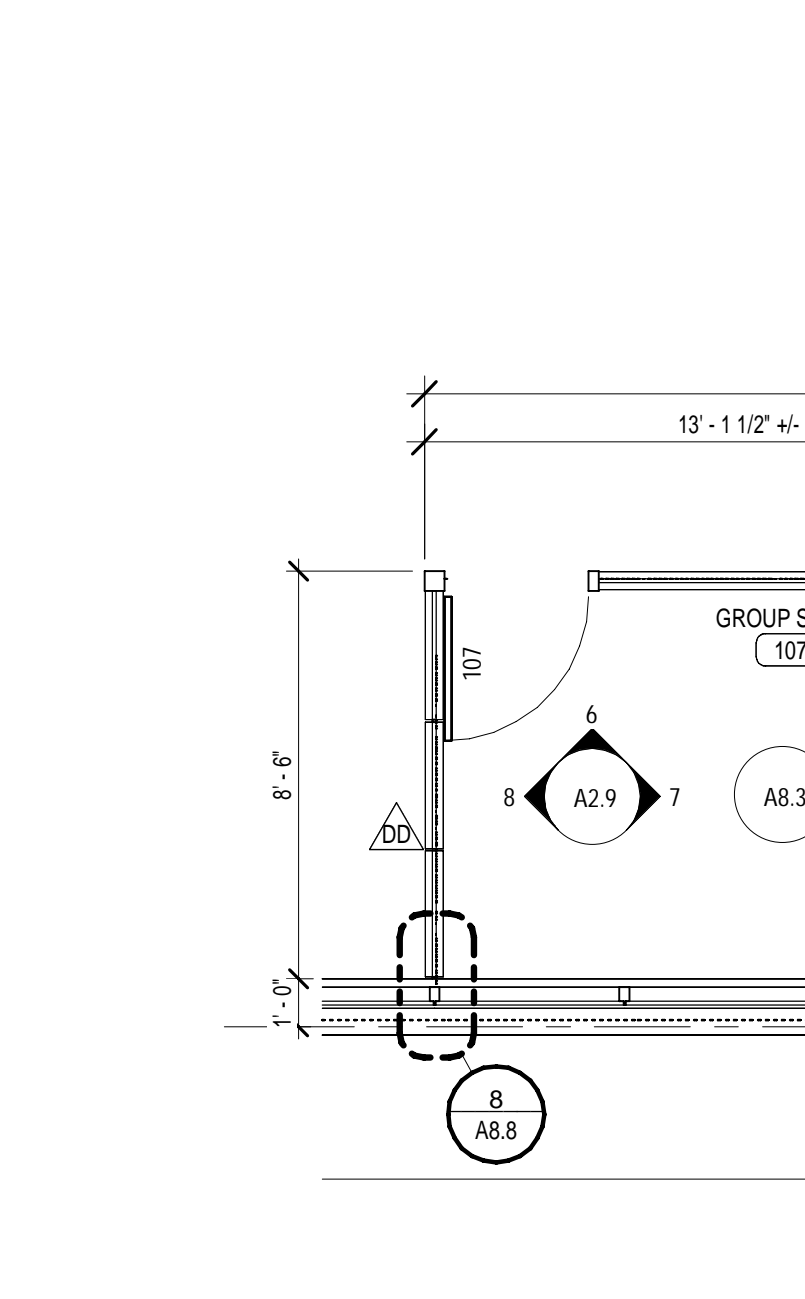
8 DETAIL

3" = 1'-0"



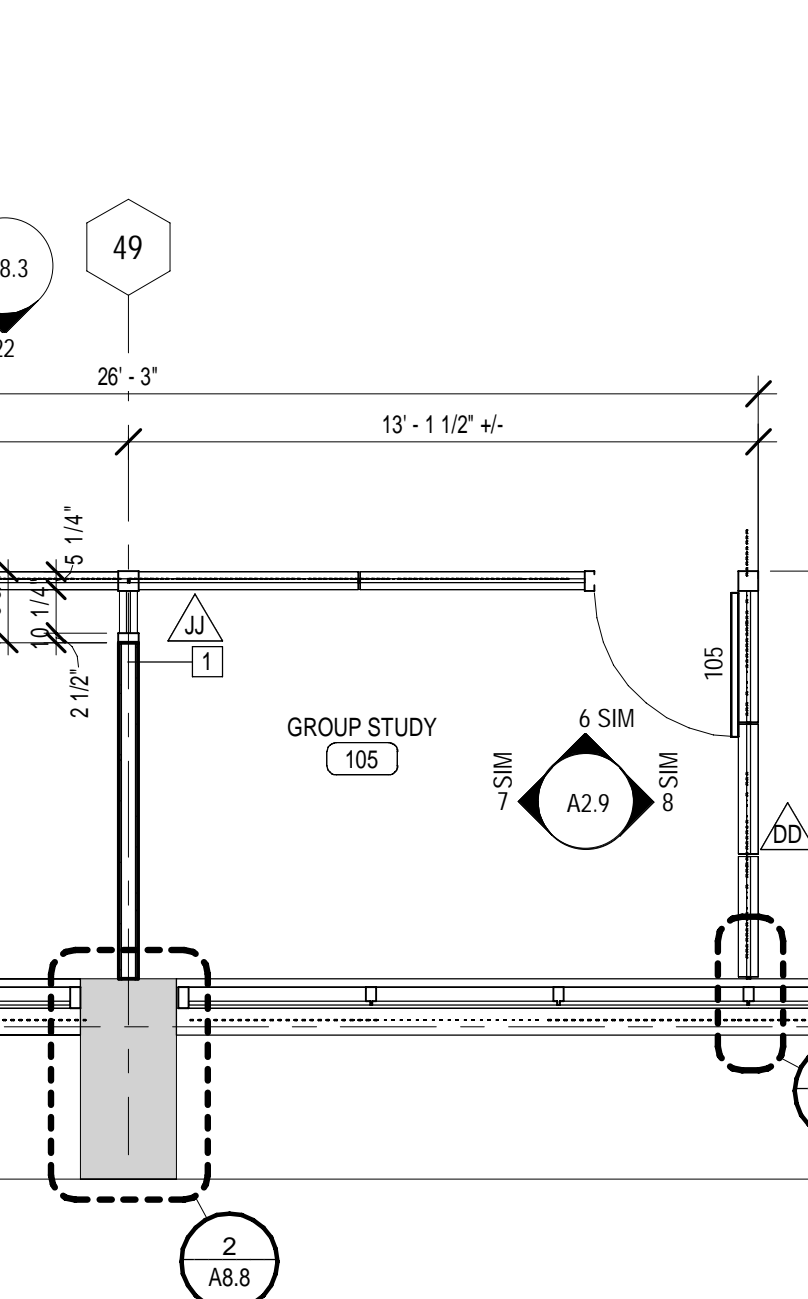
6 DETAIL

1 1/2" = 1'-0"



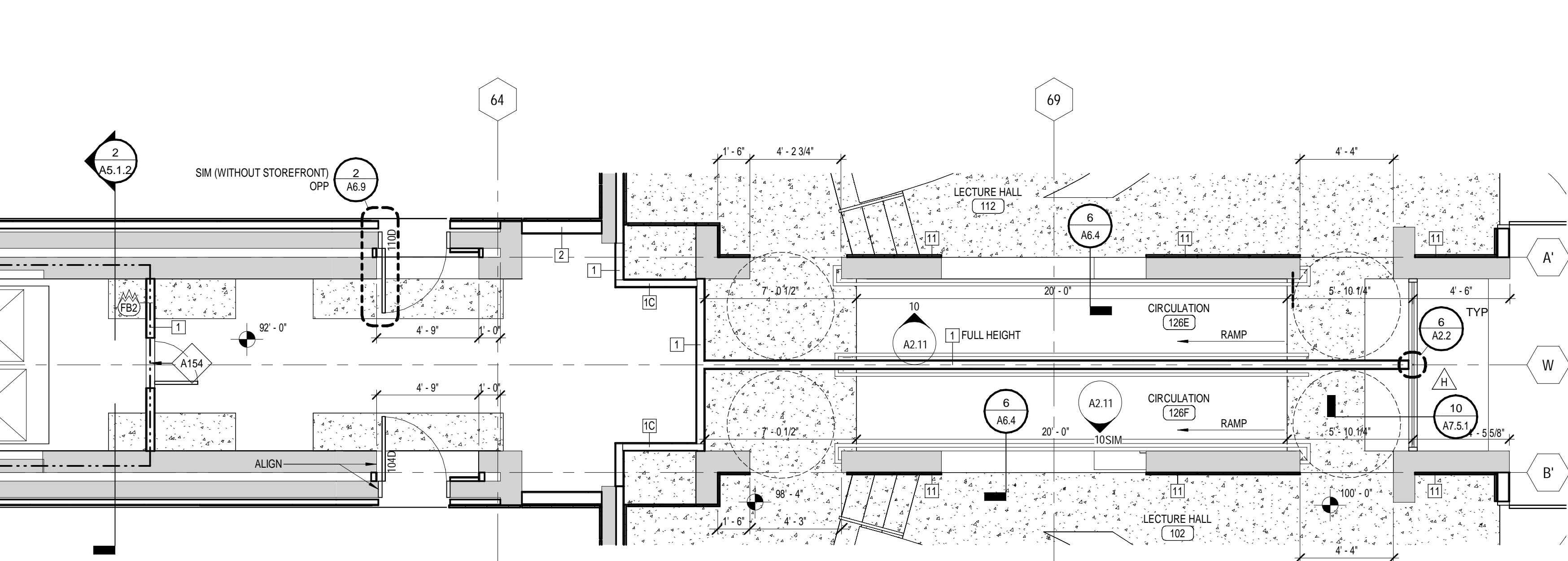
5 DETAIL

1 1/2" = 1'-0"



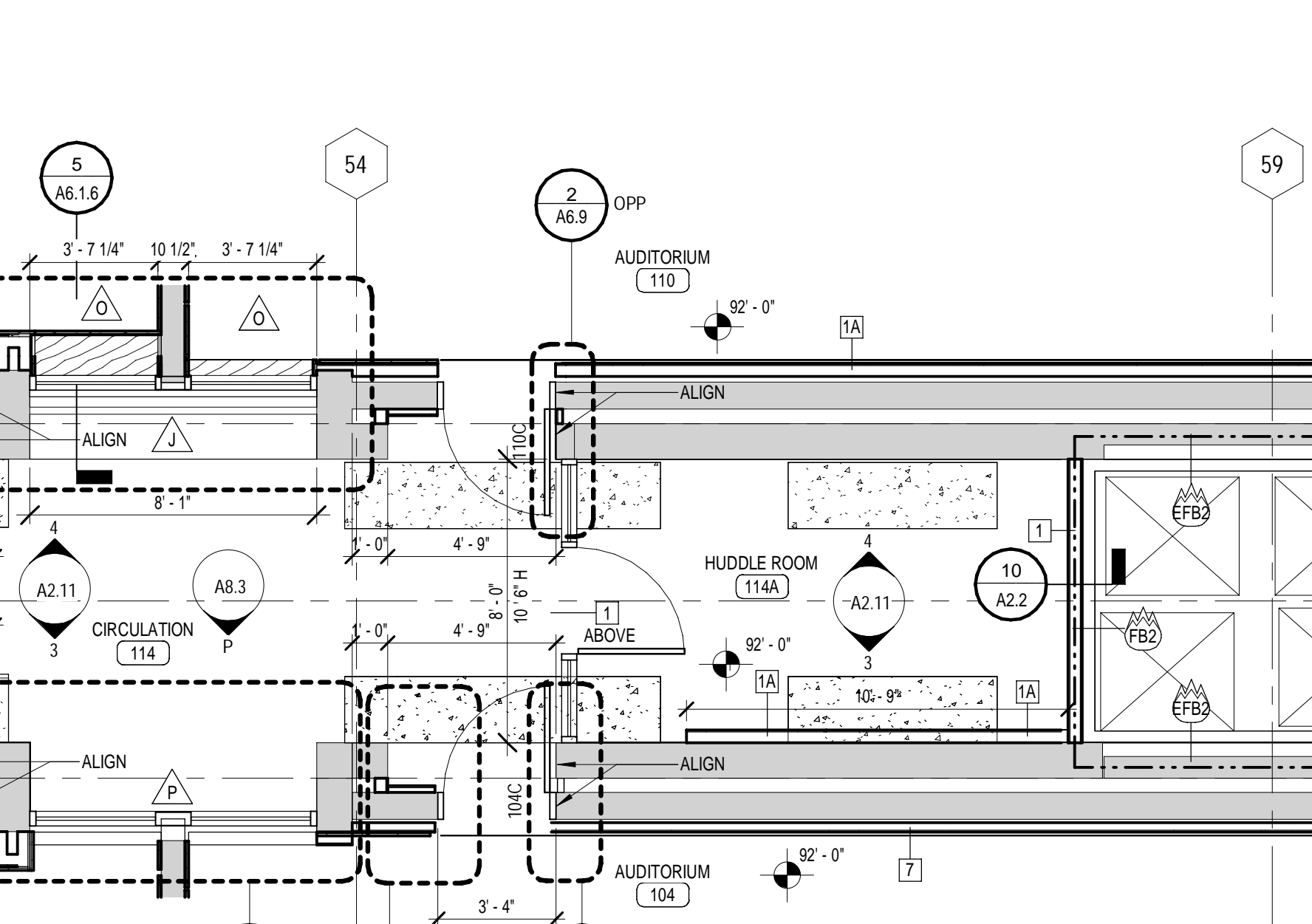
1 LEVEL 1 ENLARGED PLAN - HORSESHOE

1/4" = 1'-0"



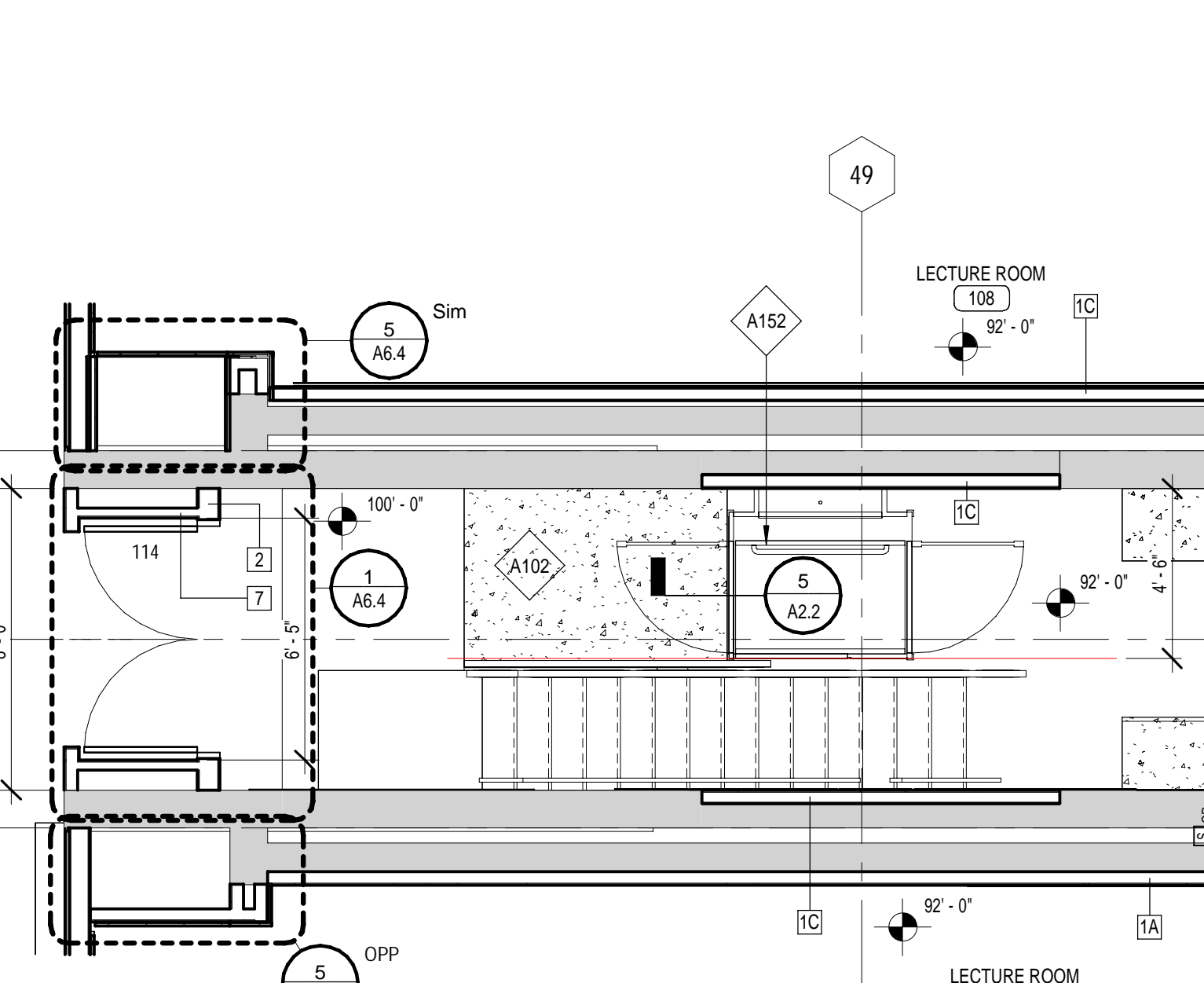
3 LEVEL 1 ENLARGED PLAN - COLLABORATION

1/4" = 1'-0"



4 LEVEL 1 ENLARGED PLAN - TYP. VESTIBULE

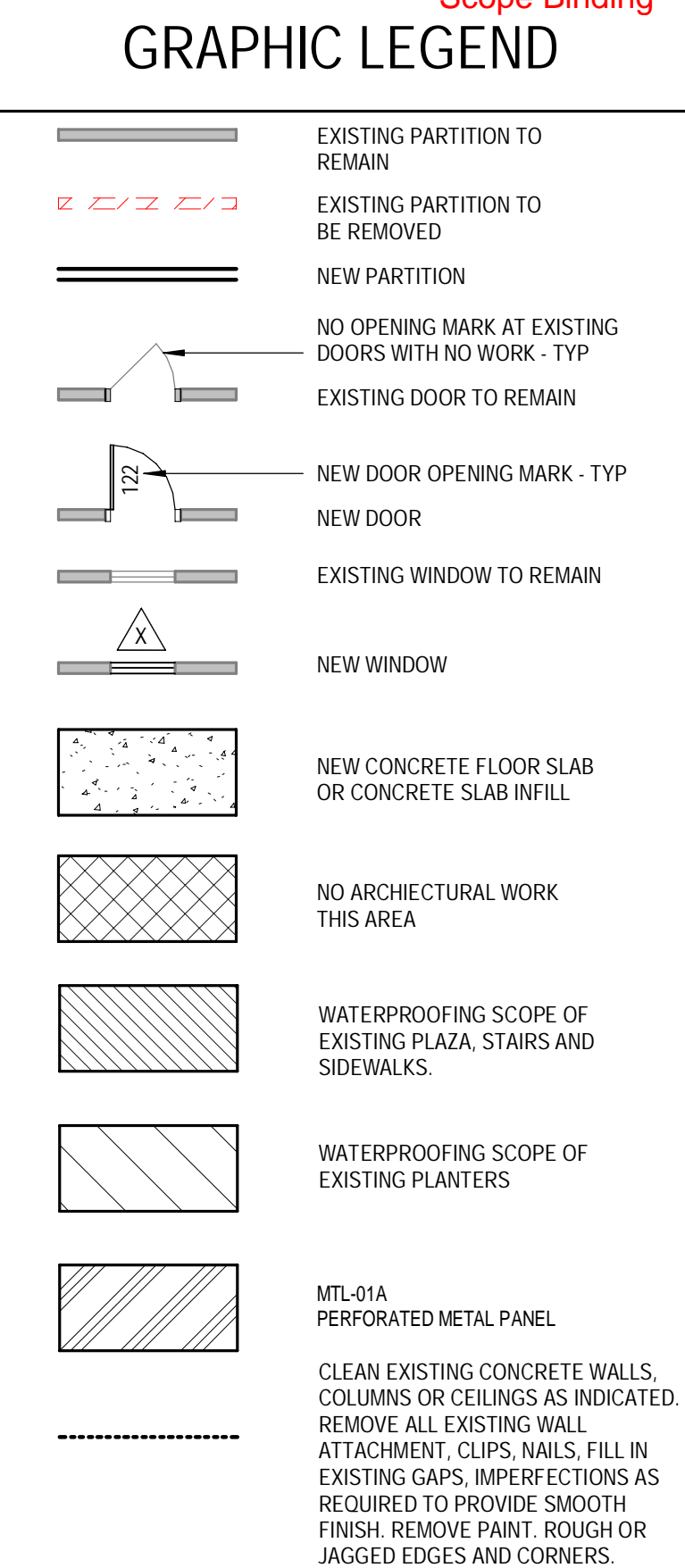
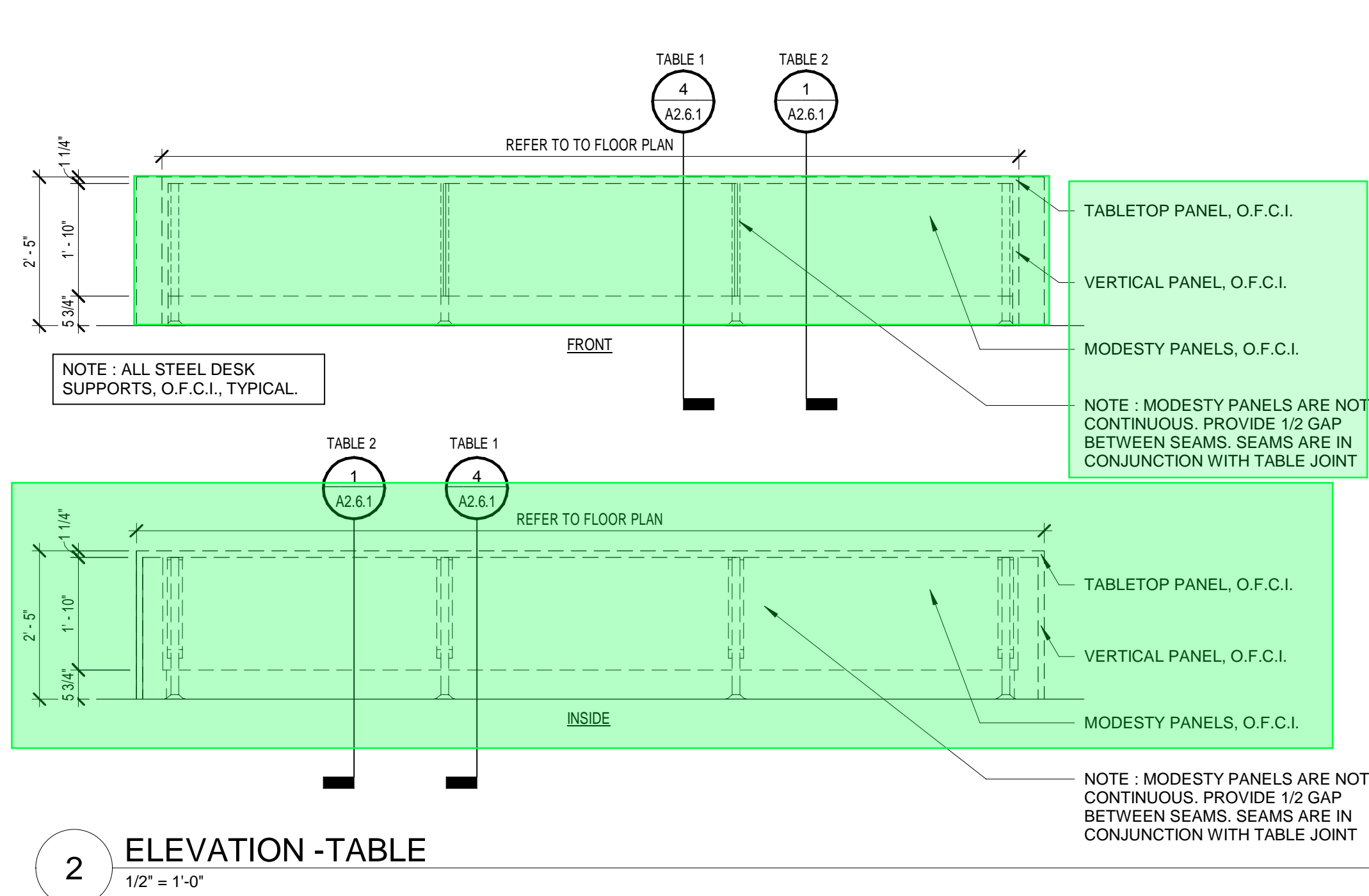
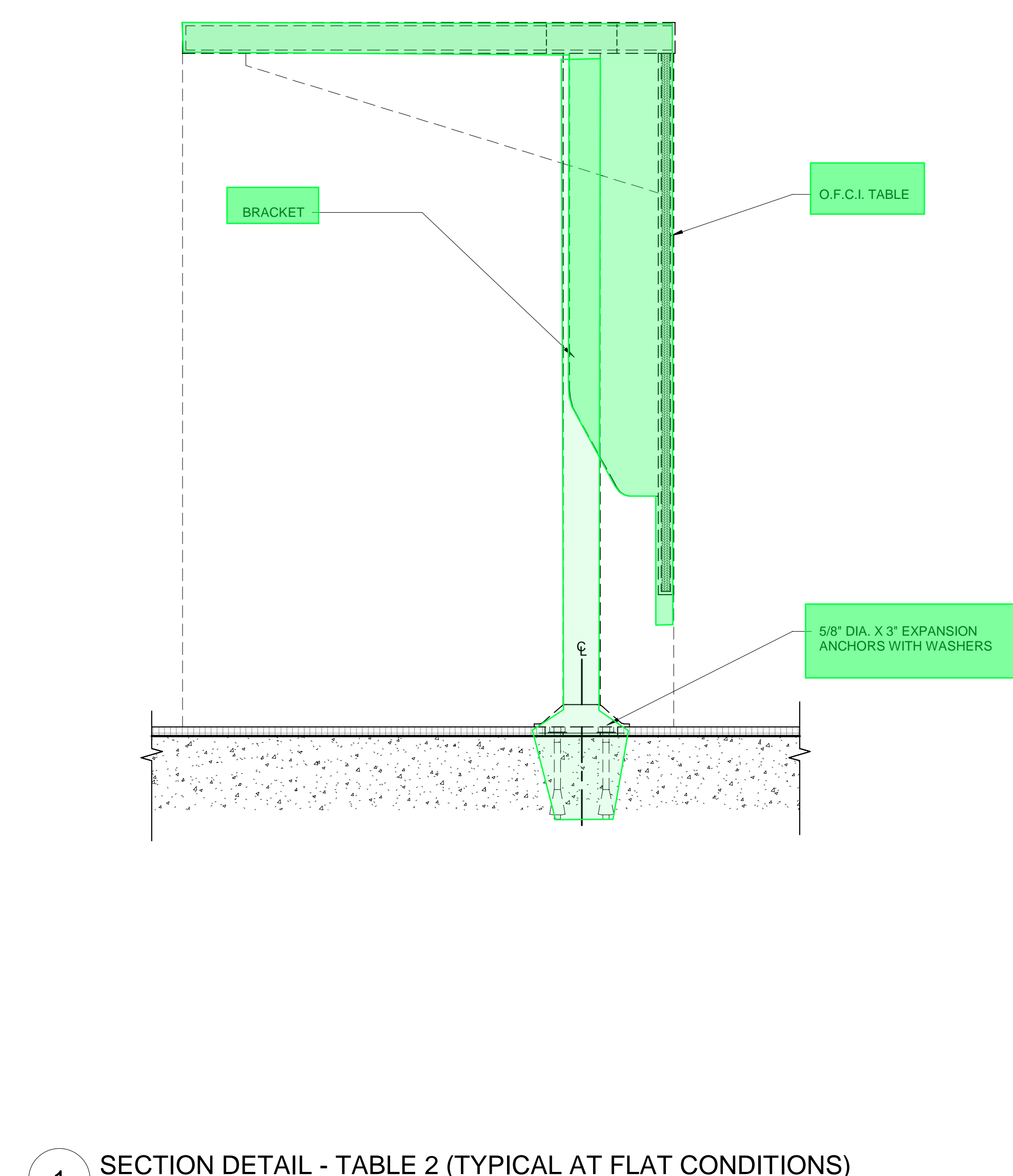
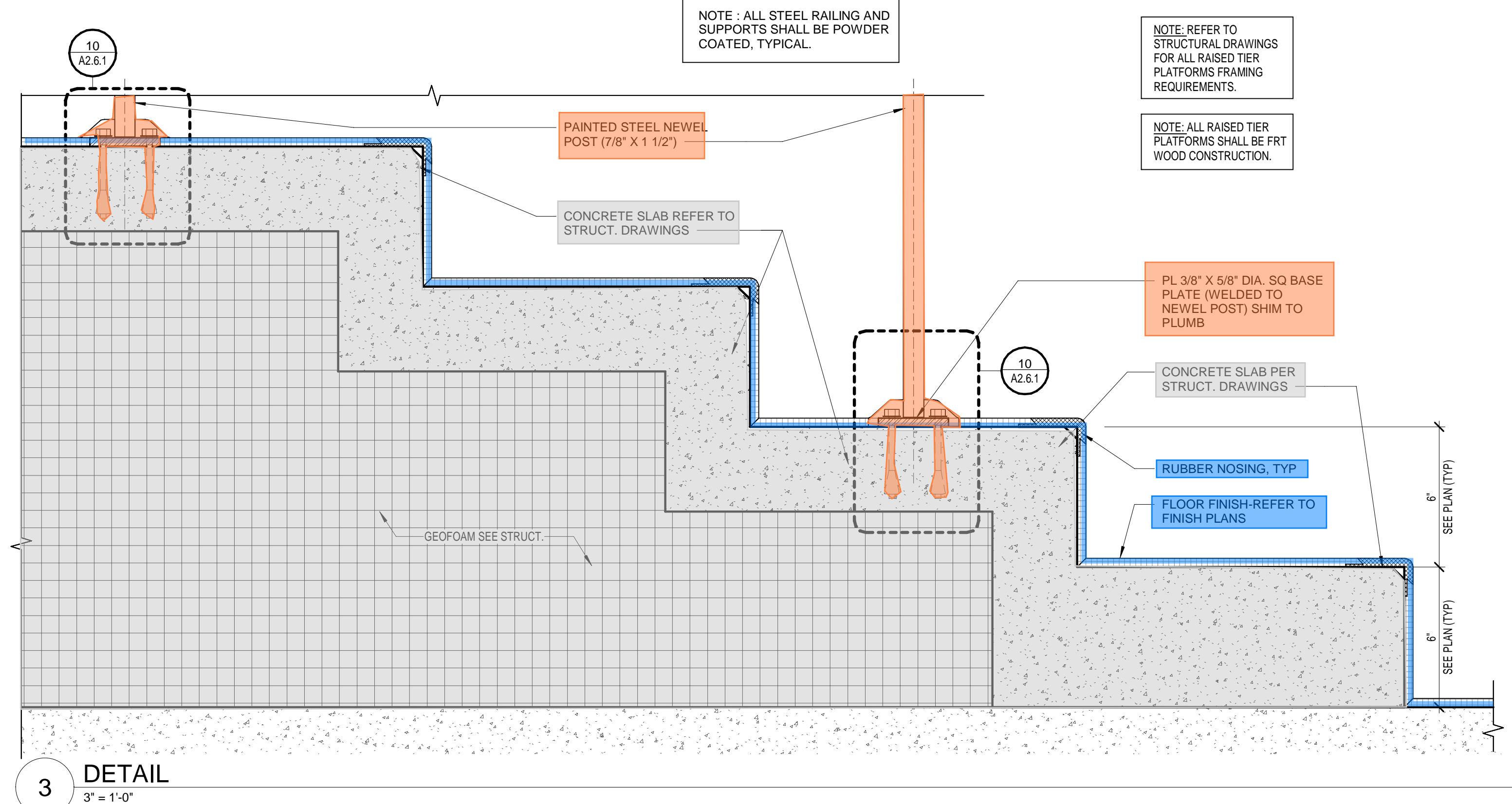
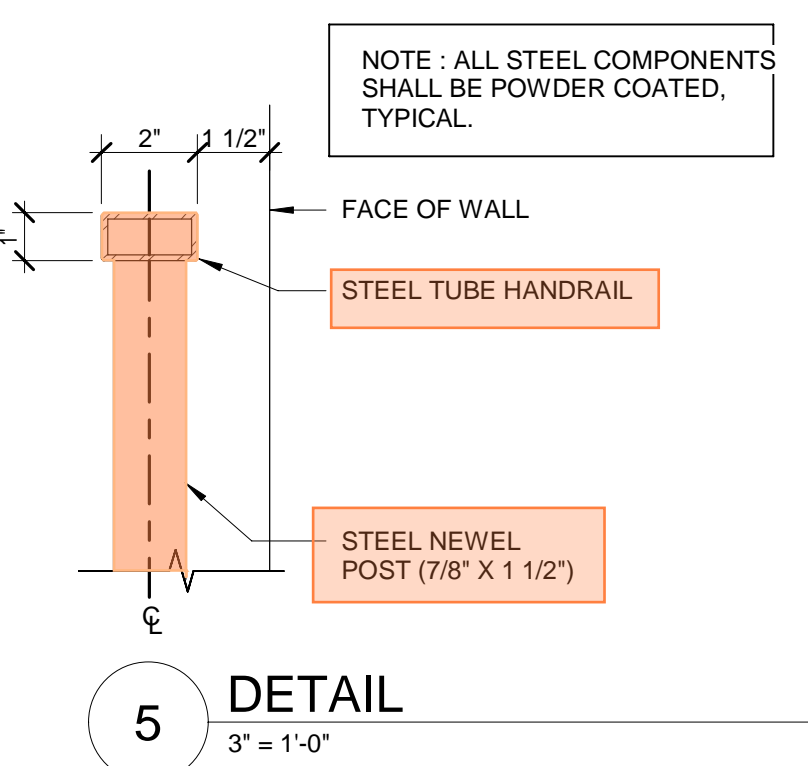
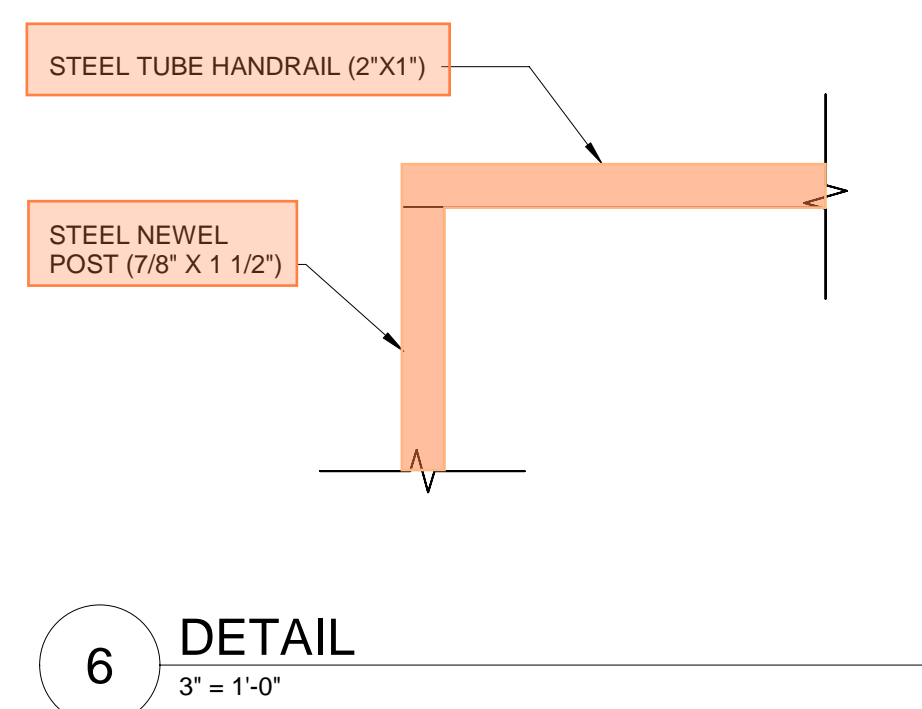
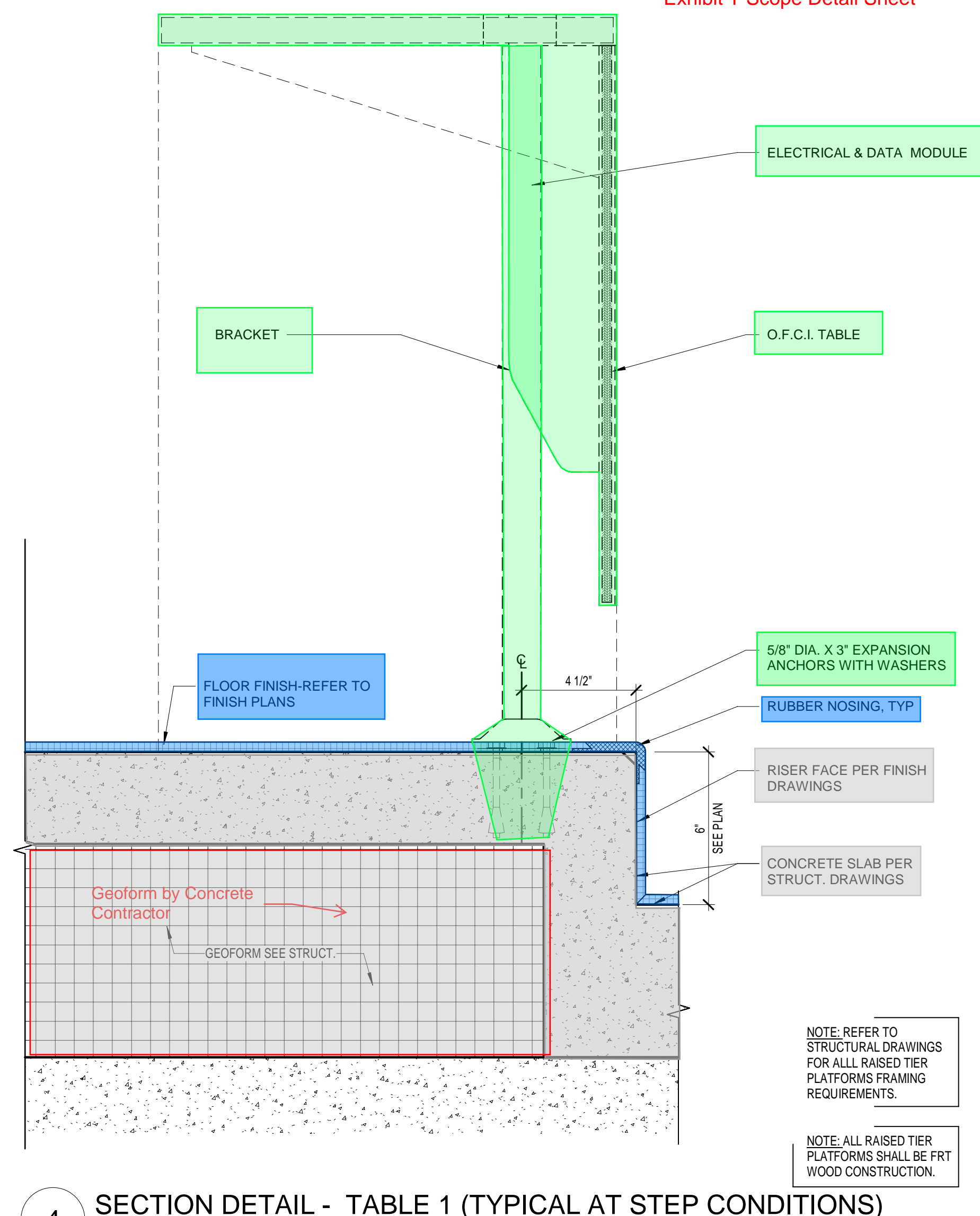
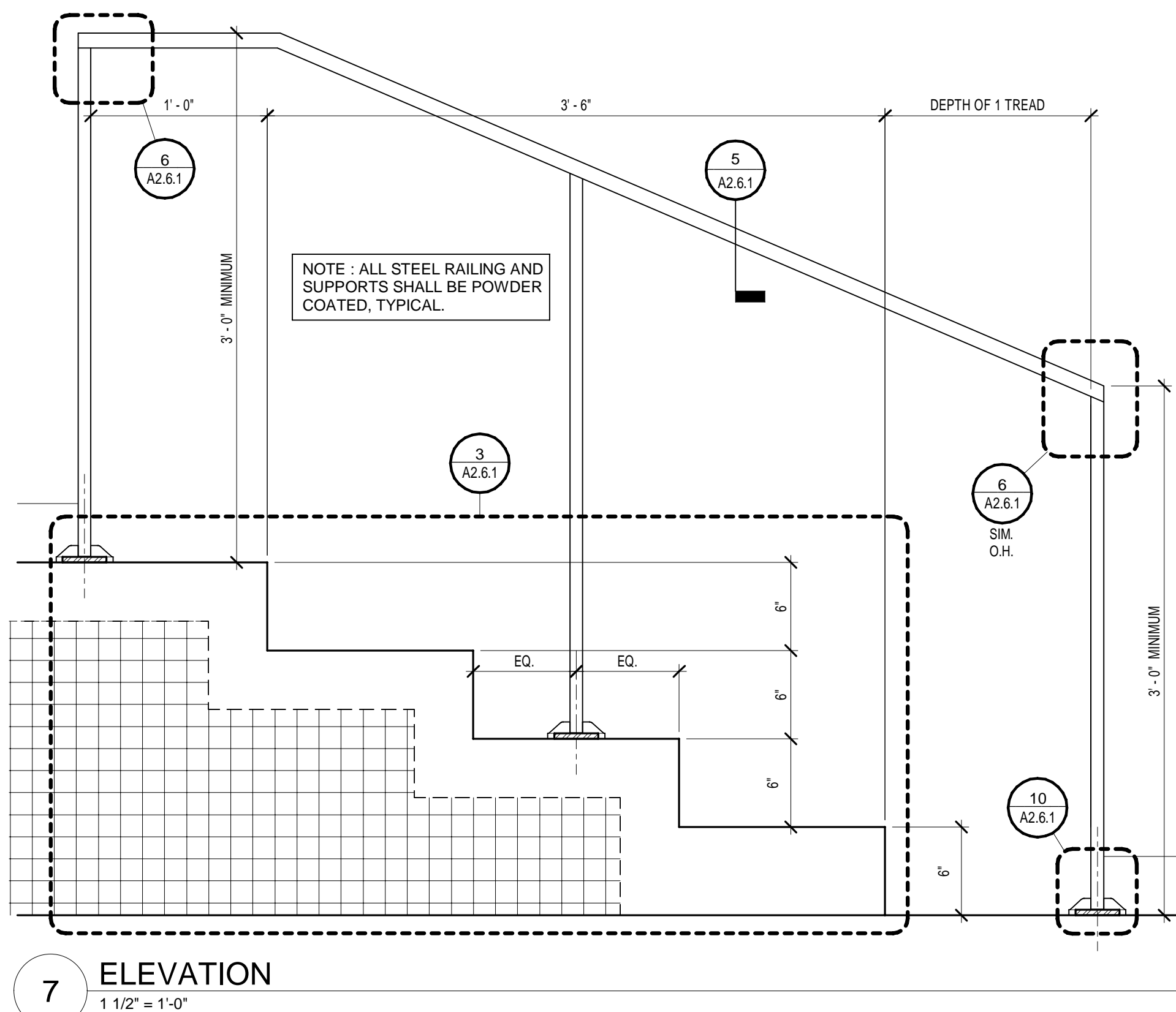
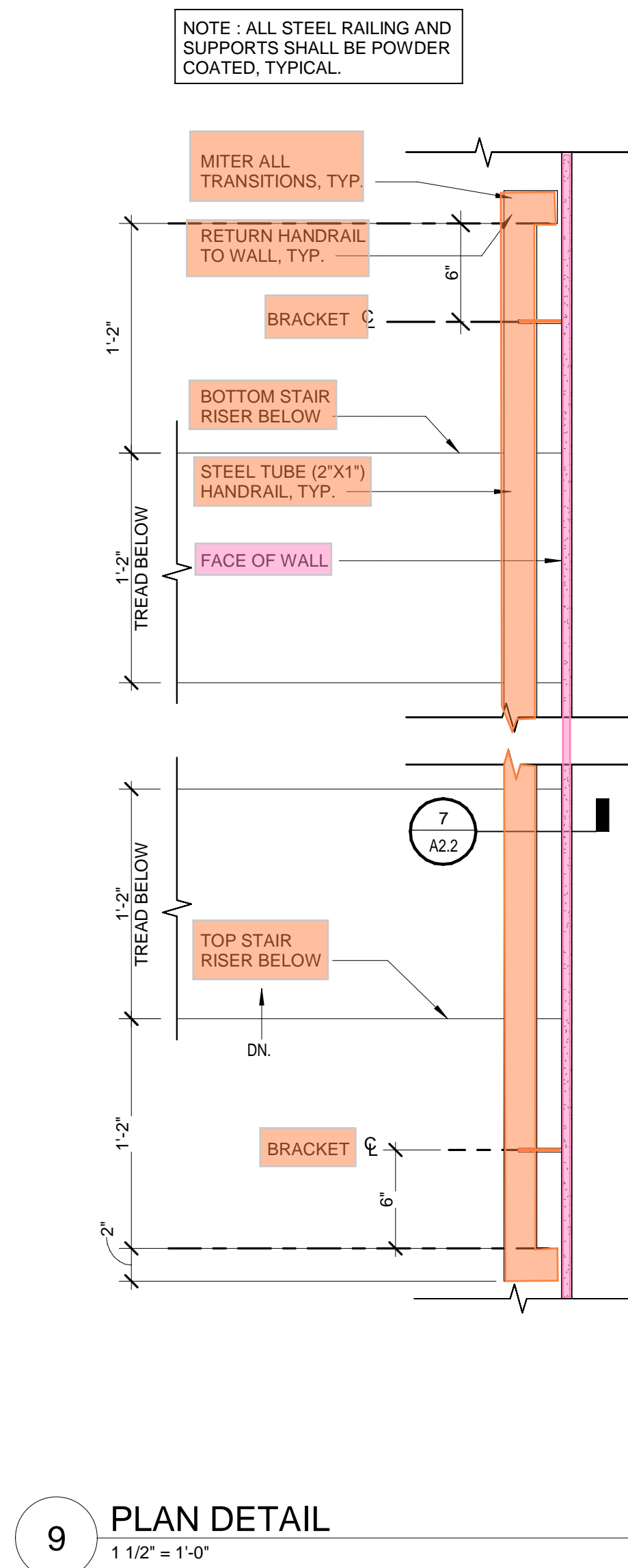
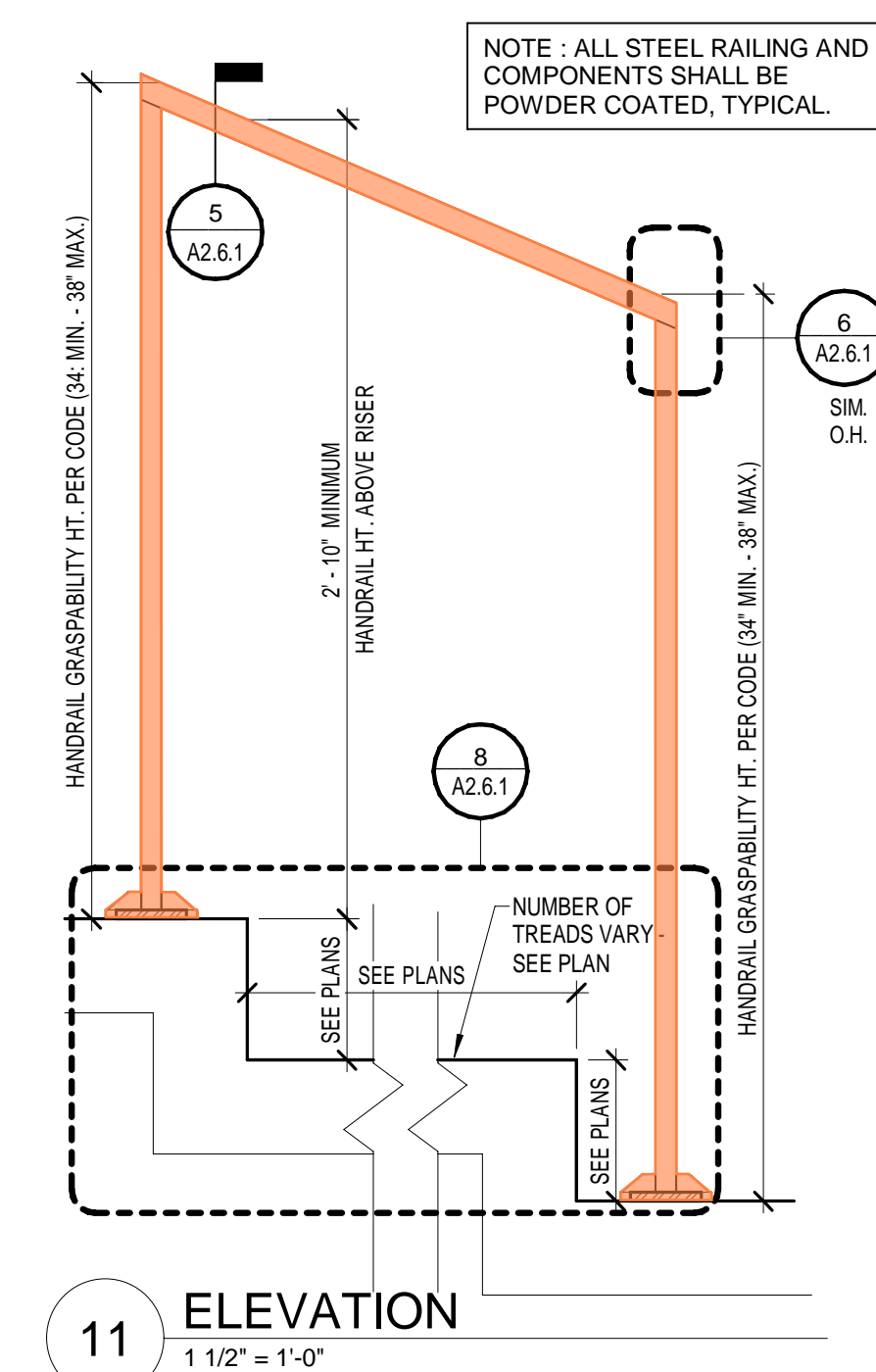
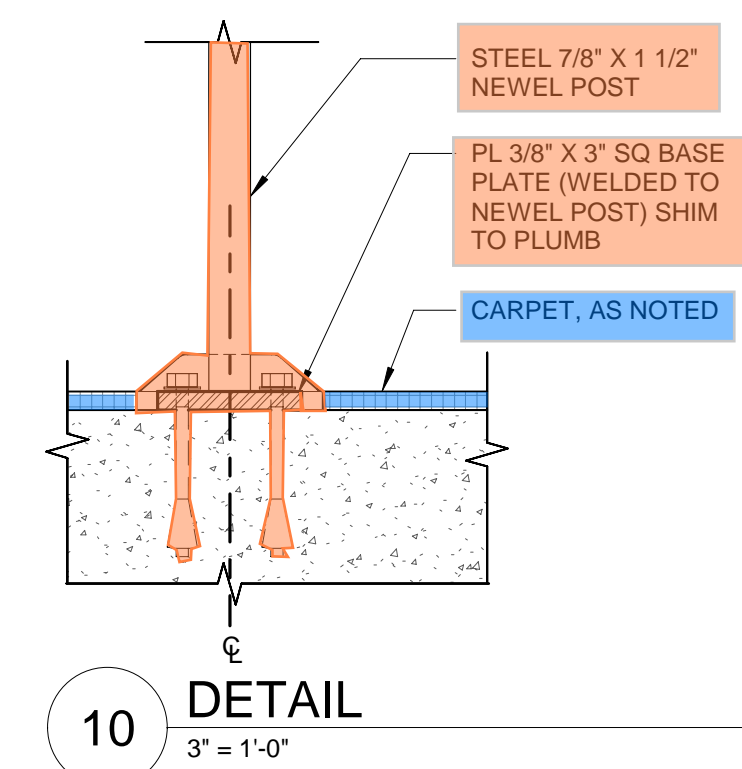
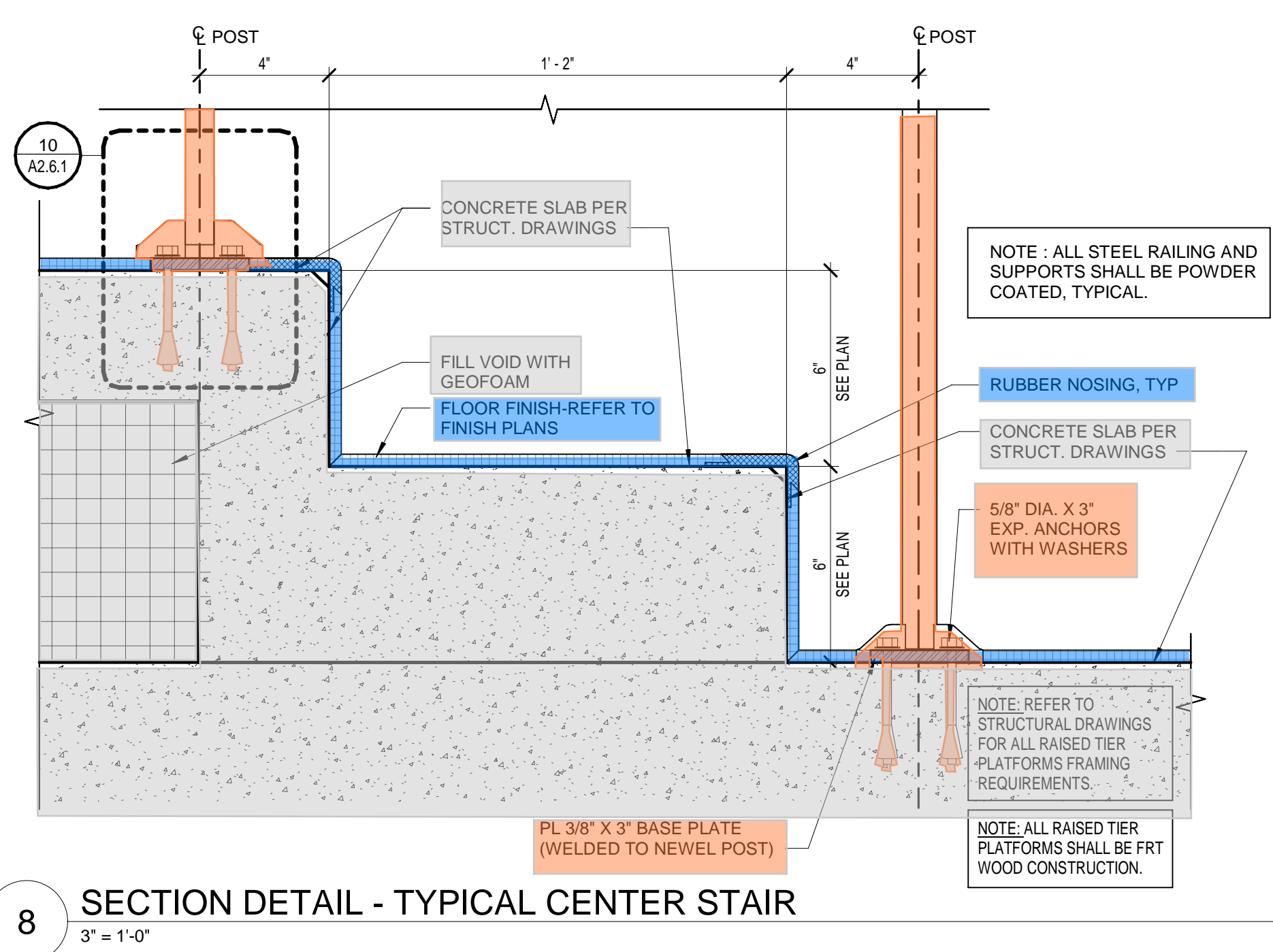
1/4" = 1'-0"



2 LEVEL 1 ENLARGED PLAN - OPEN COLLABORATION

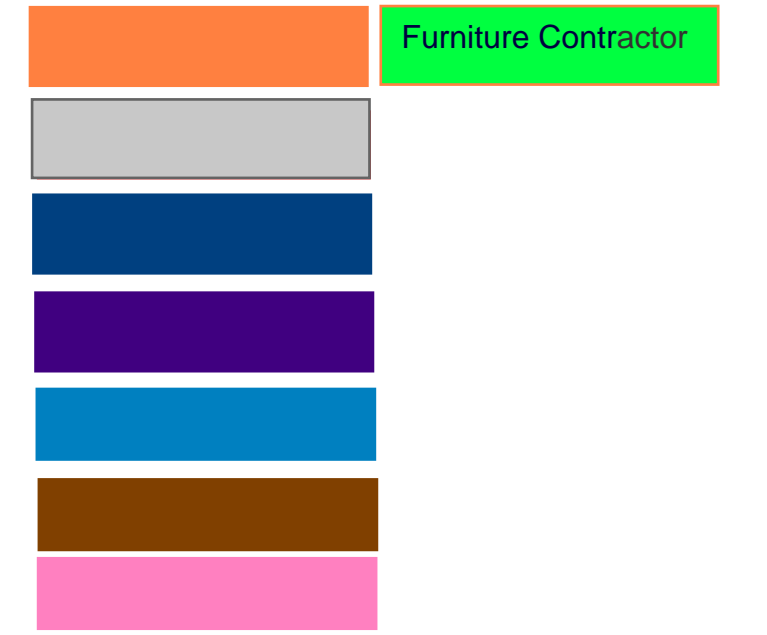
1/4" = 1'-0"





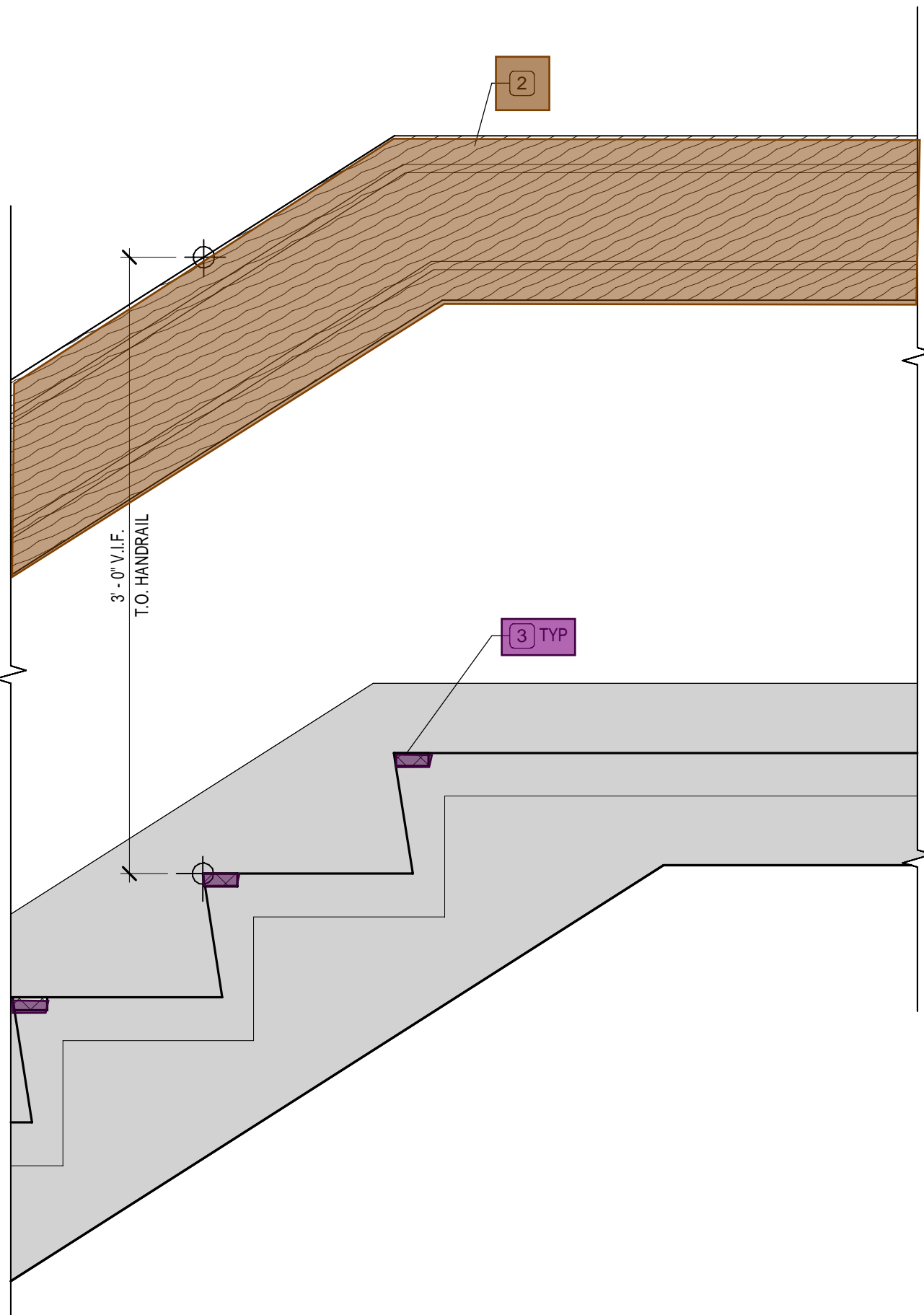
GENERAL SHEET NOTES

- A. REFER TO THE A0 X SERIES SHEETS FOR ARCHITECTURAL GENERAL NOTES, DRAWING, REFERENCE AND MATERIAL SYMBOLS, ABBREVIATIONS, AS WELL AS DIMENSIONING CONVENTIONS USED ON THIS SHEET.
- B. PRESSURE WASH ENTIRE BUILDING PRIOR TO ANY REPAIR AND PAINT PREP.
- C. REFER TO FINISH MATERIAL SCHEDULE FOR DETAIL MATERIAL INFORMATION, TYP.
- D. ALL DIMENSIONS AT EXISTING OPENINGS ARE ± FIELD VERIFY.

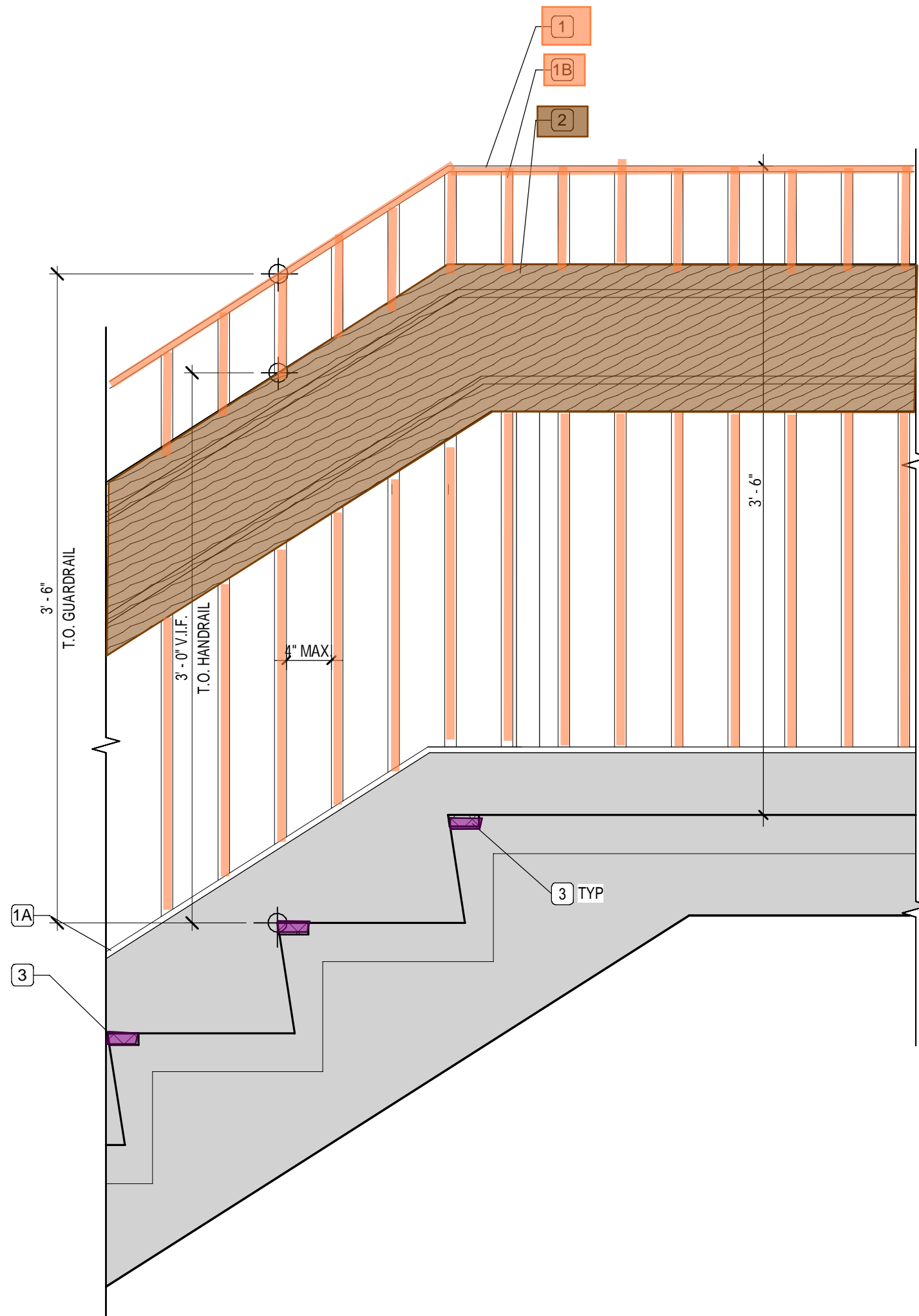


SHEET KEYNOTES

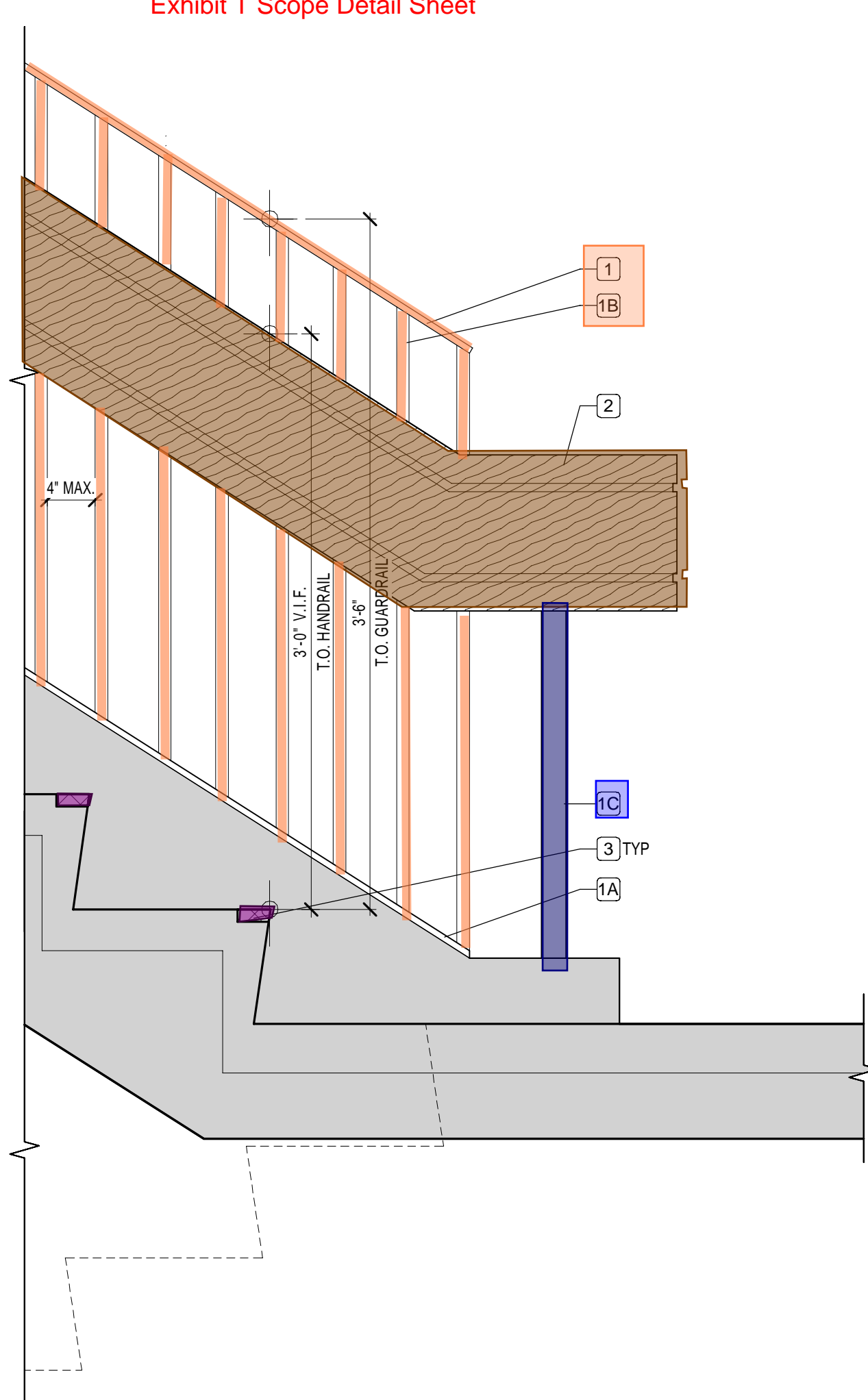
KEY VALUE	KEYNOTE TEXT
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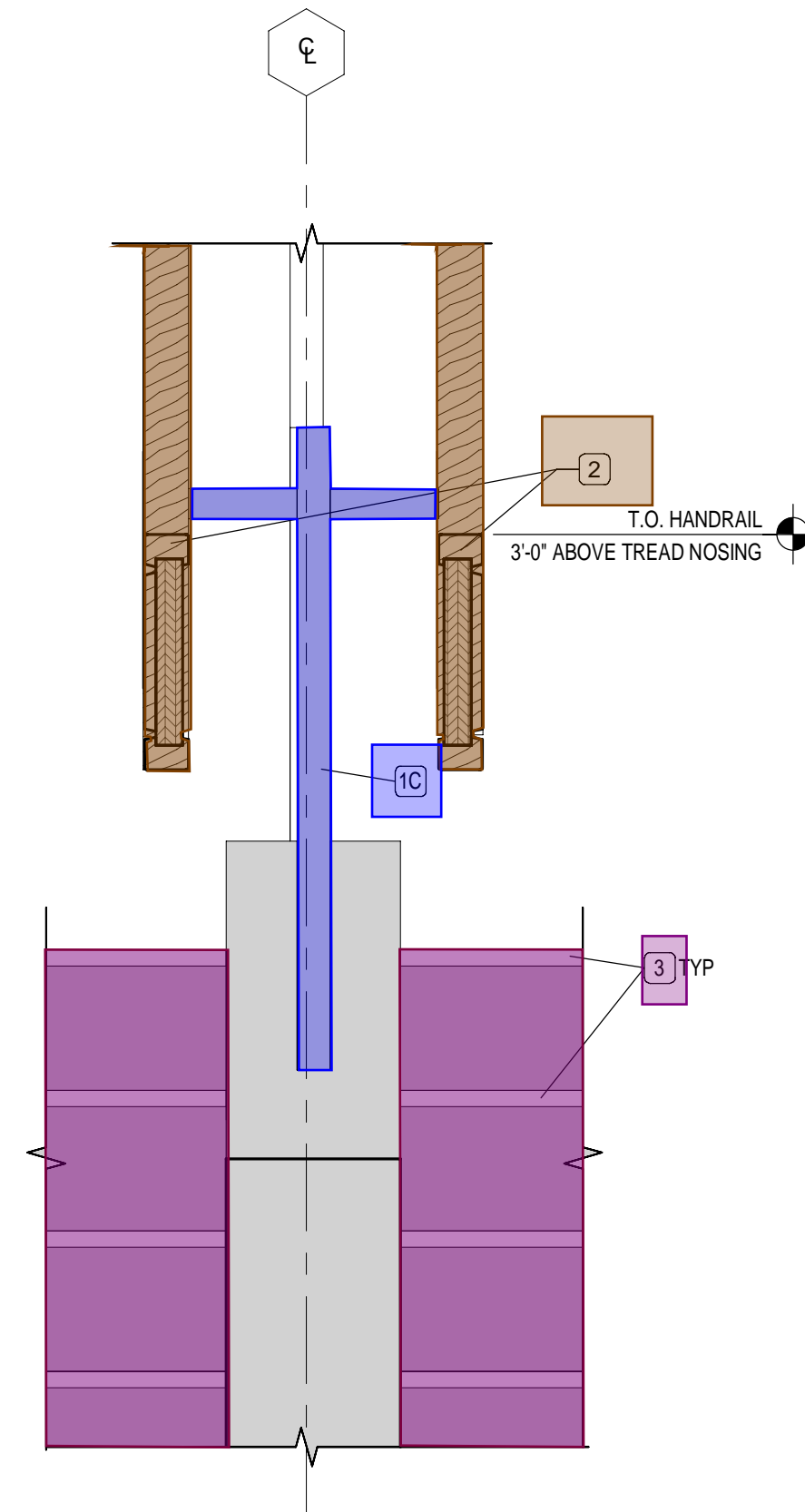
10 STAIR SECTION UPPER LANDING AT HANDRAIL
1 1/2" = 1'-0"



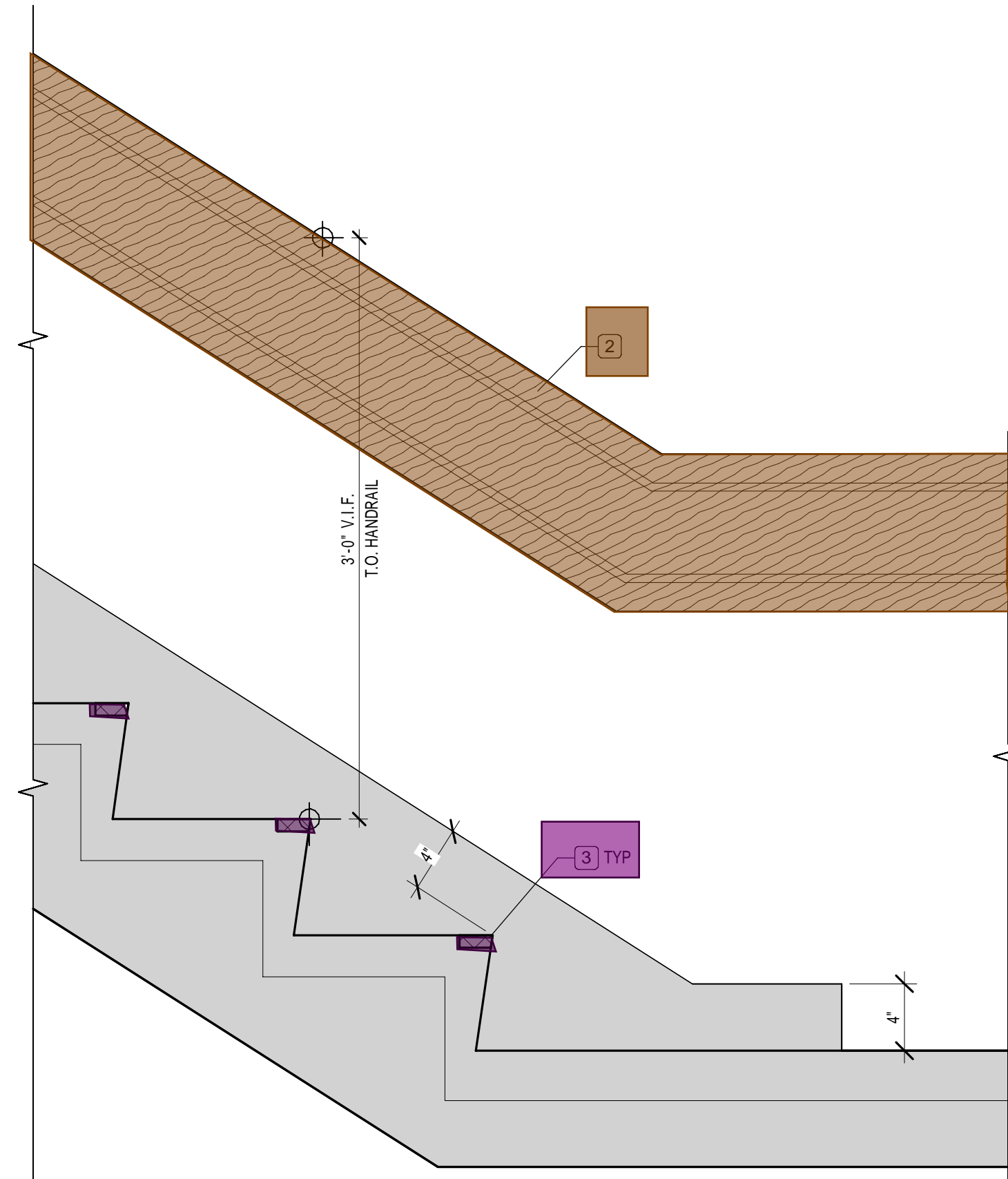
7 STAIR SECTION UPPER LANDING
1 1/2" = 1'-0"



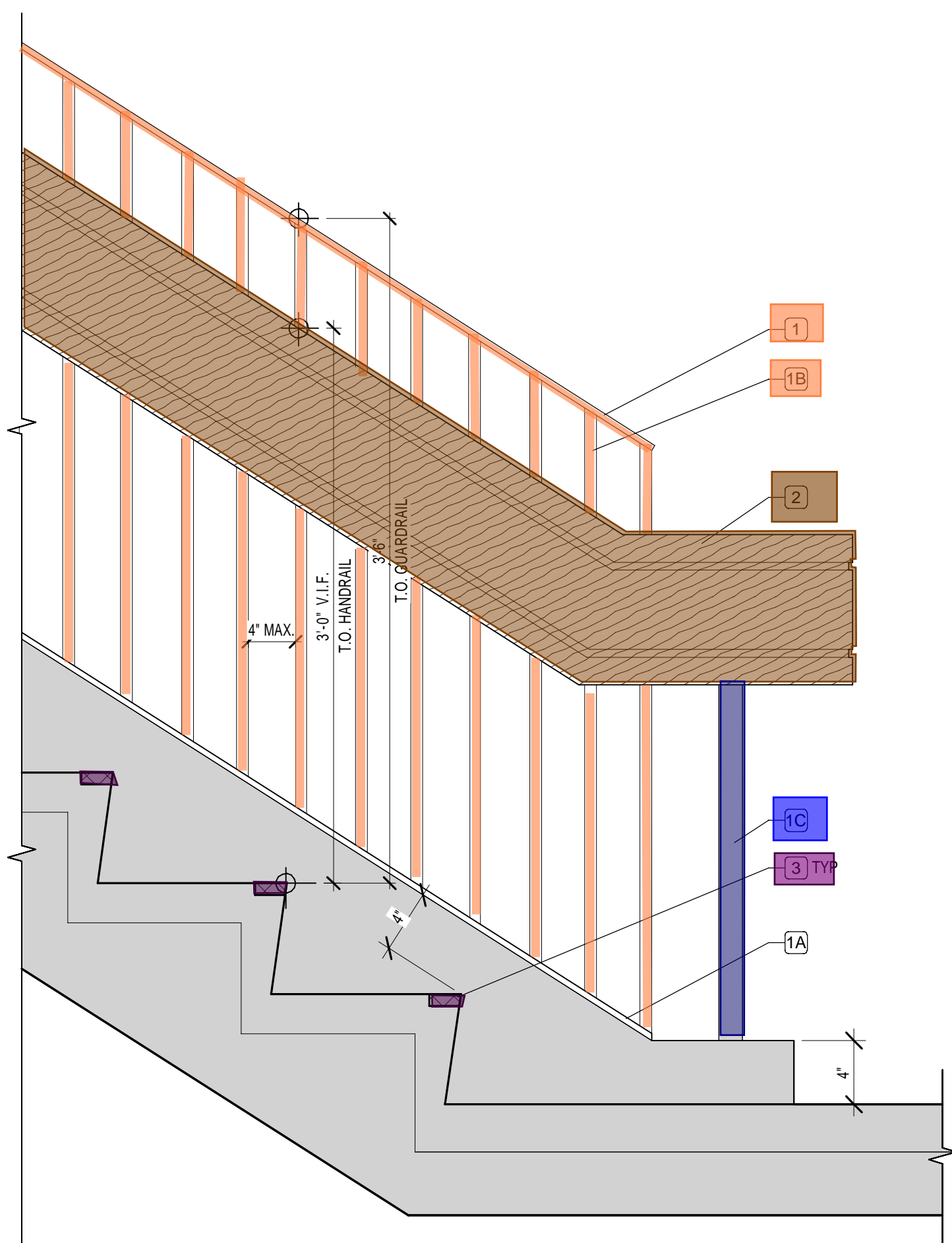
4 STAIR SECTION INTERMEDIATE LANDING
1 1/2" = 1'-0"



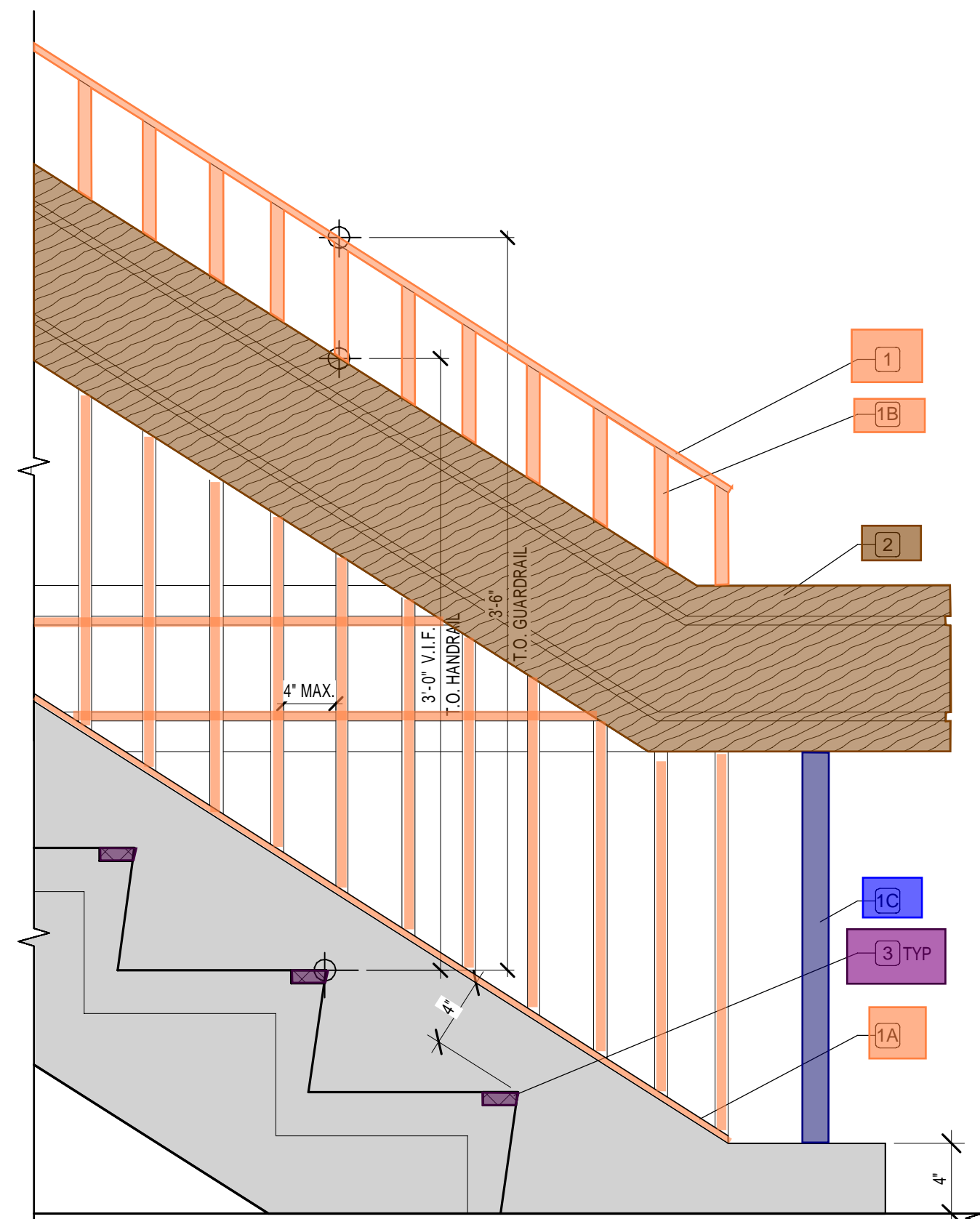
1 STAIR DETAIL
1 1/2" = 1'-0"



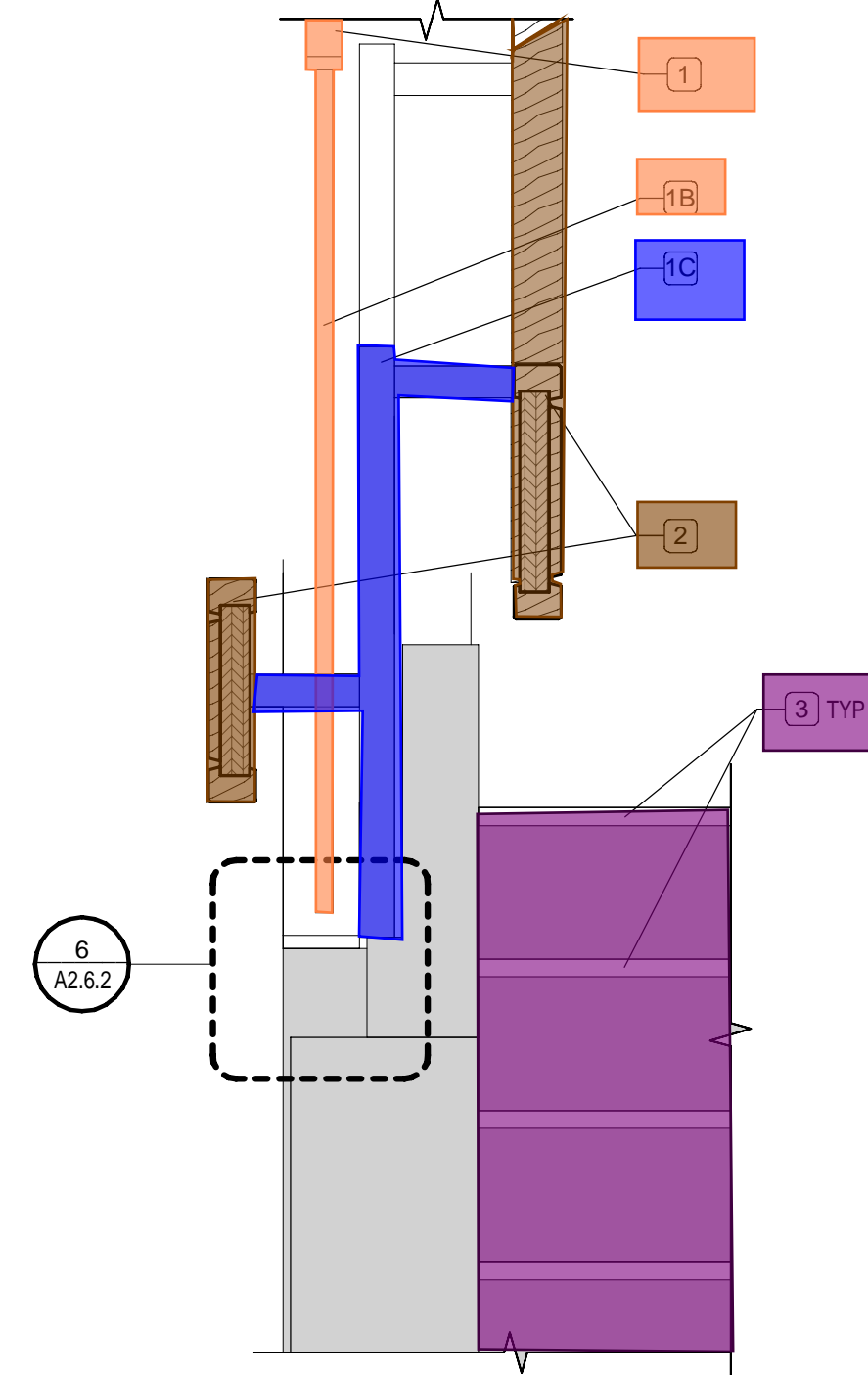
11 STAIR SECTION LOWER LANDING AT HANDRAIL
1 1/2" = 1'-0"



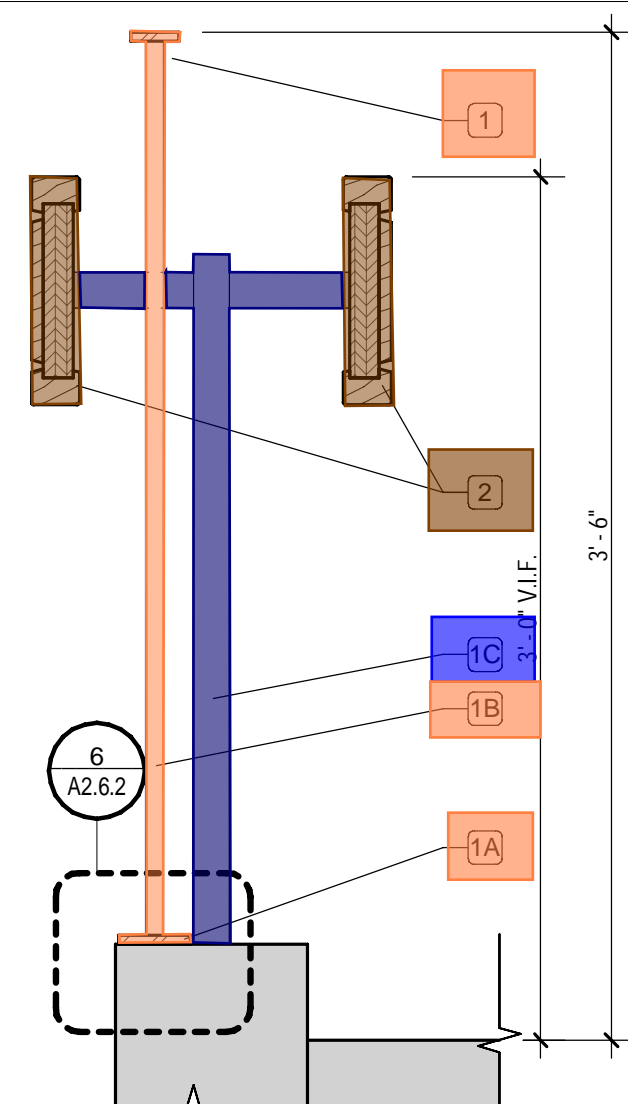
8 STAIR SECTION AT LOWER LANDING
1 1/2" = 1'-0"



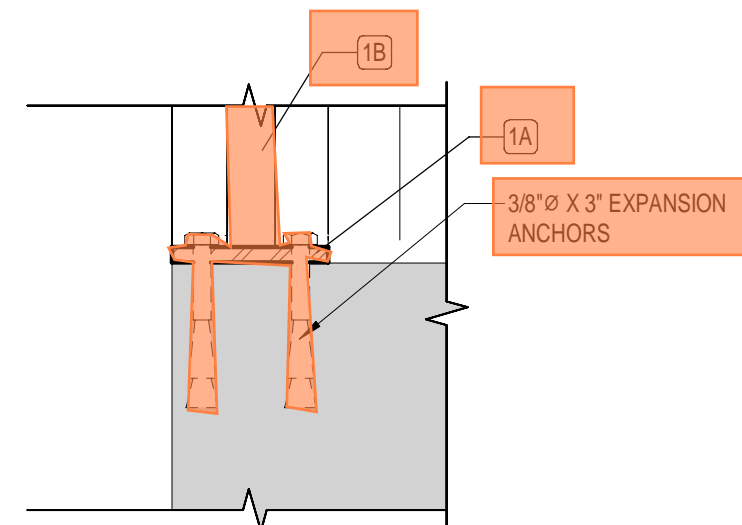
5 STAIR SECTION AT FINISH FLOOR
1 1/2" = 1'-0"



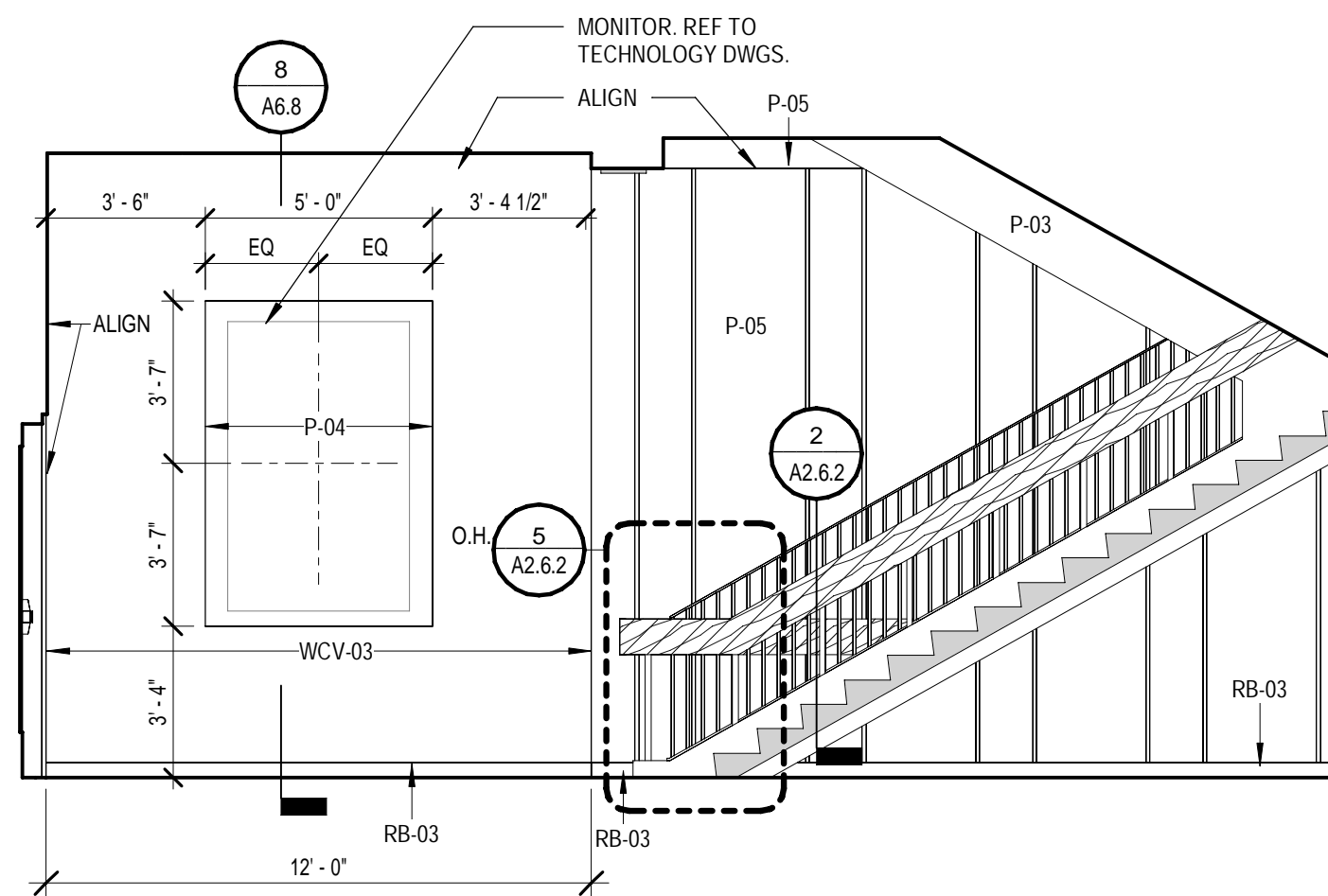
2 STAIR DETAIL
1 1/2" = 1'-0"



9 GUARDRAIL DETAIL
1 1/2" = 1'-0"



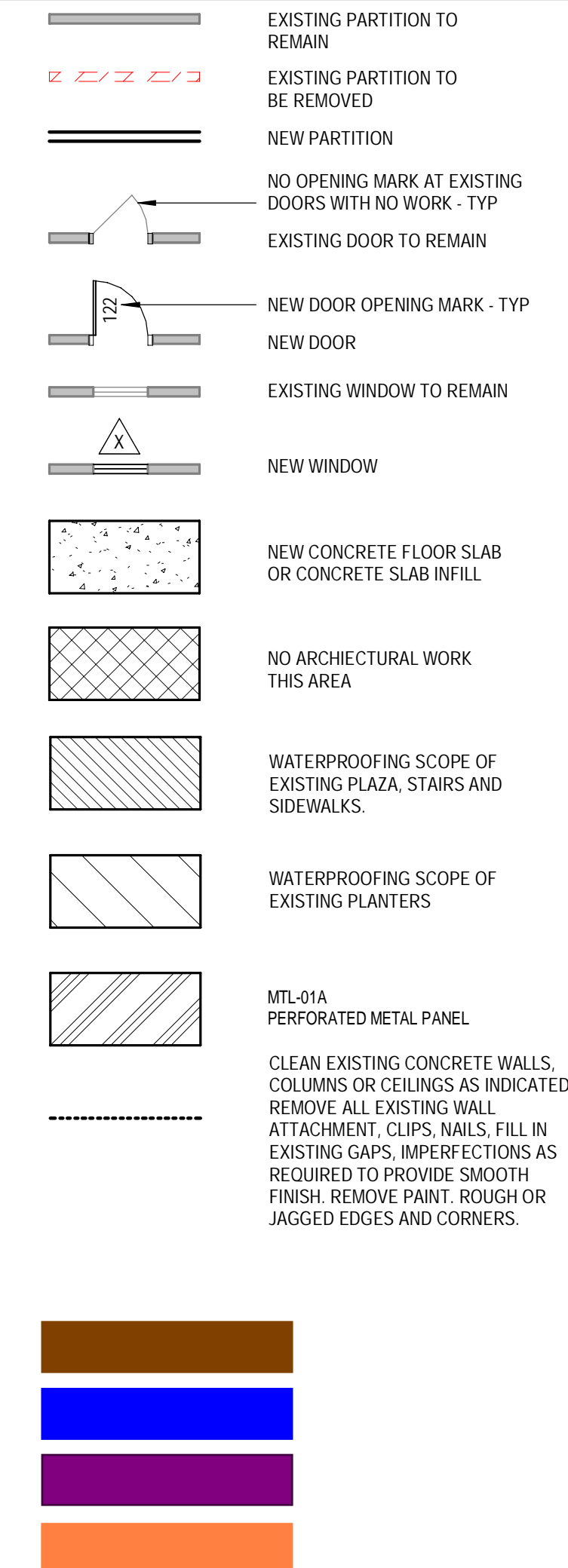
6 PICKET BASE PLATE DETAIL
3" = 1'-0"



3 STAIRCASE ELEVATION
1/4" = 1'-0"

Scope Binding

GRAPHIC LEGEND



GENERAL SHEET NOTES

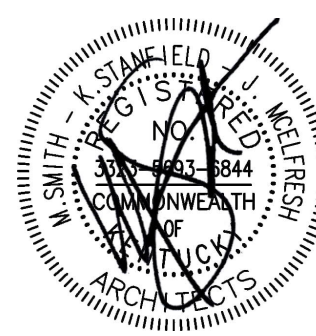
- REFER TO THE A0 X SERIES SHEETS FOR ARCHITECTURAL GENERAL NOTES, DRAWING, REFERENCE AND MATERIAL SYMBOLS, ABBREVIATIONS, AS WELL AS DIMENSIONING CONVENTIONS USED ON THIS SHEET.
- PRESSURE WASH ENTIRE BUILDING PRIOR TO ANY REPAIR AND PAINT PREP.
- REFER TO FINISH MATERIAL SCHEDULE FOR DETAIL MATERIAL INFORMATION, TYP.
- ALL DIMENSIONS AT EXISTING OPENINGS ARE ± FIELD VERIFY.

STAIR GENERAL NOTES

- STEEL, STAIR, LANDING AND RAIL ASSEMBLIES SHALL BE FABRICATED AND INSTALLED AS REQUIRED TO MEET OR EXCEED ALL CODE REQUIREMENTS FOR DESIGN LOADINGS.
- ALL STAIR RISERS WITHIN A FLIGHT SHALL BE EQUAL IN HEIGHT.
- FIELD PAINT ALL EXPOSED STEEL COMPONENTS WITH SPECIFIED COATING OVER SHOP APPLIED PRIMER. NEUTRALIZE PIECE MARKINGS PRIOR TO PAINTING. PROVIDE LANDING, TREAD AND NOSING FINISHES INDICATED IN ROOM FINISH GROUPS. CORRECT ANY DEFECTS OR DAMAGE TO PRIMER PRIOR TO PAINTING.
- STAIR DIMENSIONS ON PLAN ARE TO NOSING OF TREAD/RISER (WORK POINT).
- ALL RAILING CONNECTIONS SHALL BE WELDED CONTINUOUSLY AND GROUND SMOOTH.
- RAILING CLEARANCE: SHALL BE LESS THAN 4 INCHES OF CLEAR SPACE BETWEEN ANY TWO RAILINGS, BETWEEN RAILINGS AND WALL OR OTHER SURFACE, AND ANY HORIZONTAL RAILING AND A STRINGER.
- MEMBER SIZES ARE MINIMUMS. STAIR FABRICATOR SHALL INSTALL WHATEVER MEMBERS ARE REQUIRED TO ACHIEVE REQUIRED LOADINGS. ARCHITECT SHALL BE INFORMED OF ANY REQD REVISION PRIOR TO SHOP DRAWING SUBMITTALS.
- FINAL RAILINGS DIMENSIONS SHALL BE DETERMINED AFTER STRINGERS ARE INSTALLED.
- HANDRAIL DIMENSIONS ARE TO STAIR NOSINGS.
- PROVIDE SEALANT AT BOTTOM INTERSECTION OF STRINGERS AND FLOOR FINISH TO MATCH STRINGER FINISH COLOR, TYP.
- AT EXPOSED LOCATION, ANCHORAGE OF STAIR COMPONENTS TO CMU AND CONCRETE SHALL BE THROUGH STRINGERS, CHANNELS OR OTHER MAIN PERIMETER MEMBERS IN CONJUNCTION WITH POCKETS, SUBSIES OR SIMILAR CONCEALED METHODS AS ENGINEERED BY THE STAIR FABRICATOR. CLIPS AND BOLTED CONNECTIONS BELOW SUCH MEMBERS SHALL NOT BE PERMITTED AT EXPOSED LOCATIONS.

STAIR HANDRAIL AND GUARDRAIL KEY NOTES

- STAIR AND LANDING GUARDS:
- 1 1/2" X 3/8" METAL GUARDRAIL BAR TOP RAIL AT 3'-6" ABOVE TREAD NOSING TO BE WELDED TO EXISTING NEVEL POST.
 - 3" X 3/8" METAL GUARDRAIL PLATE BOTTOM RAIL TO BE PLUMB WITH TOP OF STRINGER 1" SQUARE STEEL BAR PICKETS (VERTICAL) AT 4'-0" (MAX), OR AS INDICATED (PAINT).
 - 1" METAL GUARDRAIL VERTICAL SQUARE BAR PICKETS.
 - EXISTING STEEL NEVEL POST (PAINT).
- HANDRAIL:
- EXISTING HANDRAIL TO BE REFINISHED. REMOVE, PREP AND REFINISH ALL SIDES, REINSTALL.
- TREADS:
- INSTALL POURED RESIN STRIP.
- REFER TO SHEET A1.0 FOR PLAN KEYNOTES.



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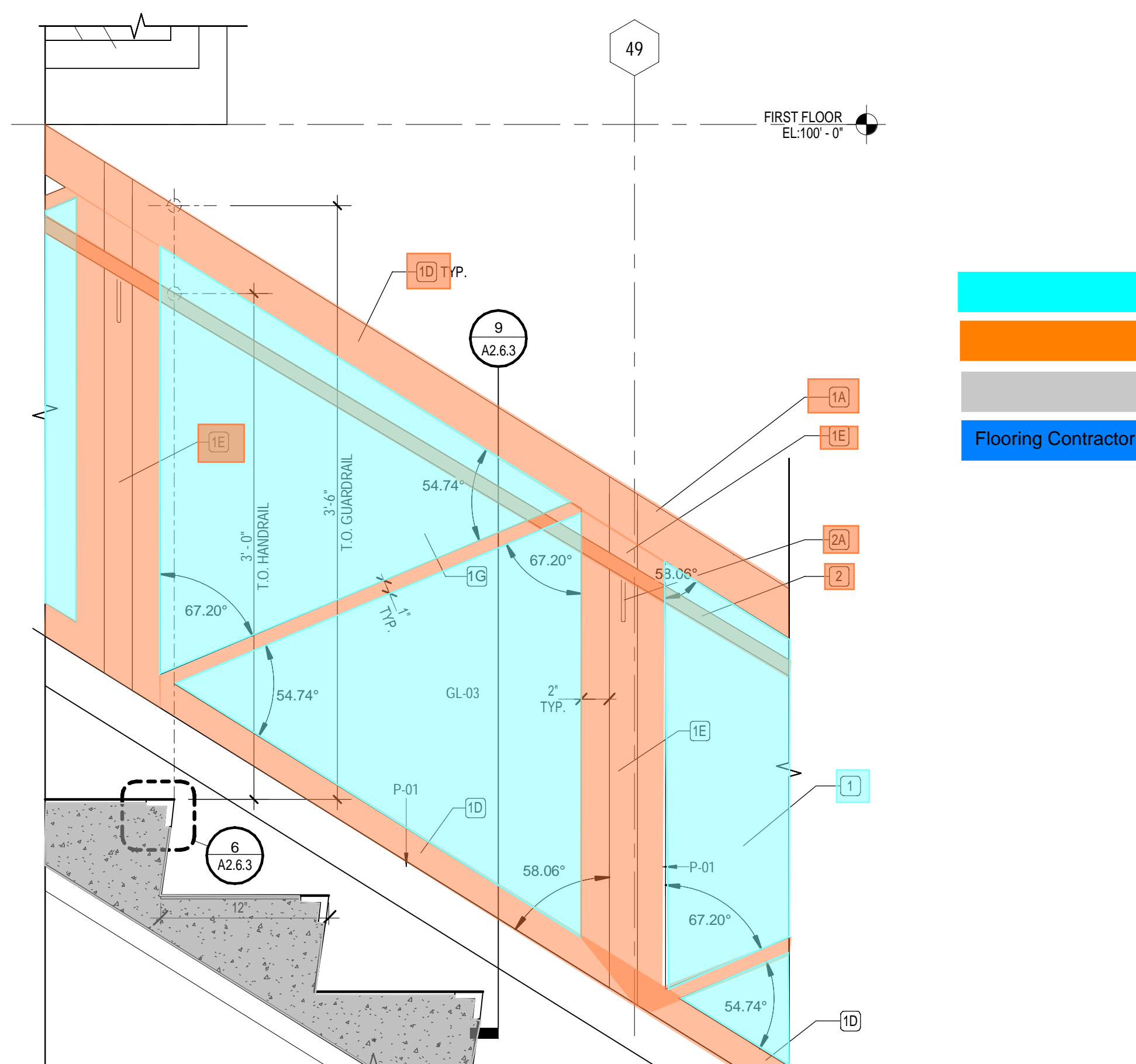
STAIR GENERAL NOTES

1. STEEL STAIR, LANDING AND RAIL ASSEMBLIES SHALL BE FABRICATED AND INSTALLED AS REQUIRED TO MEET OR EXCEED ALL CODE REQUIREMENTS FOR DESIGN LOADINGS.
2. ALL STAIR RISERS WITHIN A FLIGHT SHALL BE EQUAL IN HEIGHT.
3. FIELD PLANT ALL EXPOSED STEEL COMPONENTS WITH SPECIFIED COATINGS OVER SHOP APPLIED PRIMER. NEUTRALIZE PEECE MARKINGS FROM PAINTING. PROVIDE LANDING, TREAD AND NOSING FINISHES INDICATED IN ROOM FINISH GROUPS. CORRECT ANY DEFECTS OR DAMAGE TO PRIMER PRIOR TO PAINTING.
4. STAIR DIMENSIONS ON PLAN ARE TO NOSING OF TREADRISER (WORK POINT).
5. ALL RAILING CONNECTIONS SHALL BE WELDED CONTINUOUSLY AND GROUND SMOOTH.
6. RAILING CLEARANCE SHALL BE LESS THAN 4 INCHES OF CLEAR SPACE BETWEEN TWO BALANCE, BETWEEN RAILING AND WALL OR OTHER SURFACE, AND ANY HORIZONTAL RAILING AND A STRAILER.
7. MEMBER SIZES ARE MINIMUMS. STAIR FABRICATOR SHALL INSTALL WHATEVER MEMBERS ARE REQUIRED TO ACHIEVE REQUIRED LOADINGS AND ARE NOT BE INHIBITED BY AN EXCEED REVISION PRIOR TO SHOP DRAWING SUBMITTALS.
8. FINAL RAILINGS SHALL BE DETERMINED AFTER STRINGERS ARE INSTALLED.
9. HANDRAIL DIMENSIONS ARE TO STAIR NOSINGS.
10. PROVIDE SEALANT AT BOTTOM INTERSECTION OF STRINGERS AND FLOOR FINISH TO MATCH AT JOINT CORNER JOINT, TYPE.
11. AT EXPOSED LOCATION, ANCHORAGE OF STAIR COMPONENTS TO CMU AND CONCRETE SHALL BE THROUGH STRINGERS, CHANNELS OR OTHER MEMBER TO BE SUBMITTED FOR APPROVAL WITH PROJECTS. EMBEDDED OR SIMILAR CONCEALED METHODS AS ENGINEERED BY THE STAIR FABRICATOR. CLIPS AND BOLTED CONNECTIONS BELOW SUCH MEMBERS SHALL NOT BE PERMITTED FOR EXPOSURE.

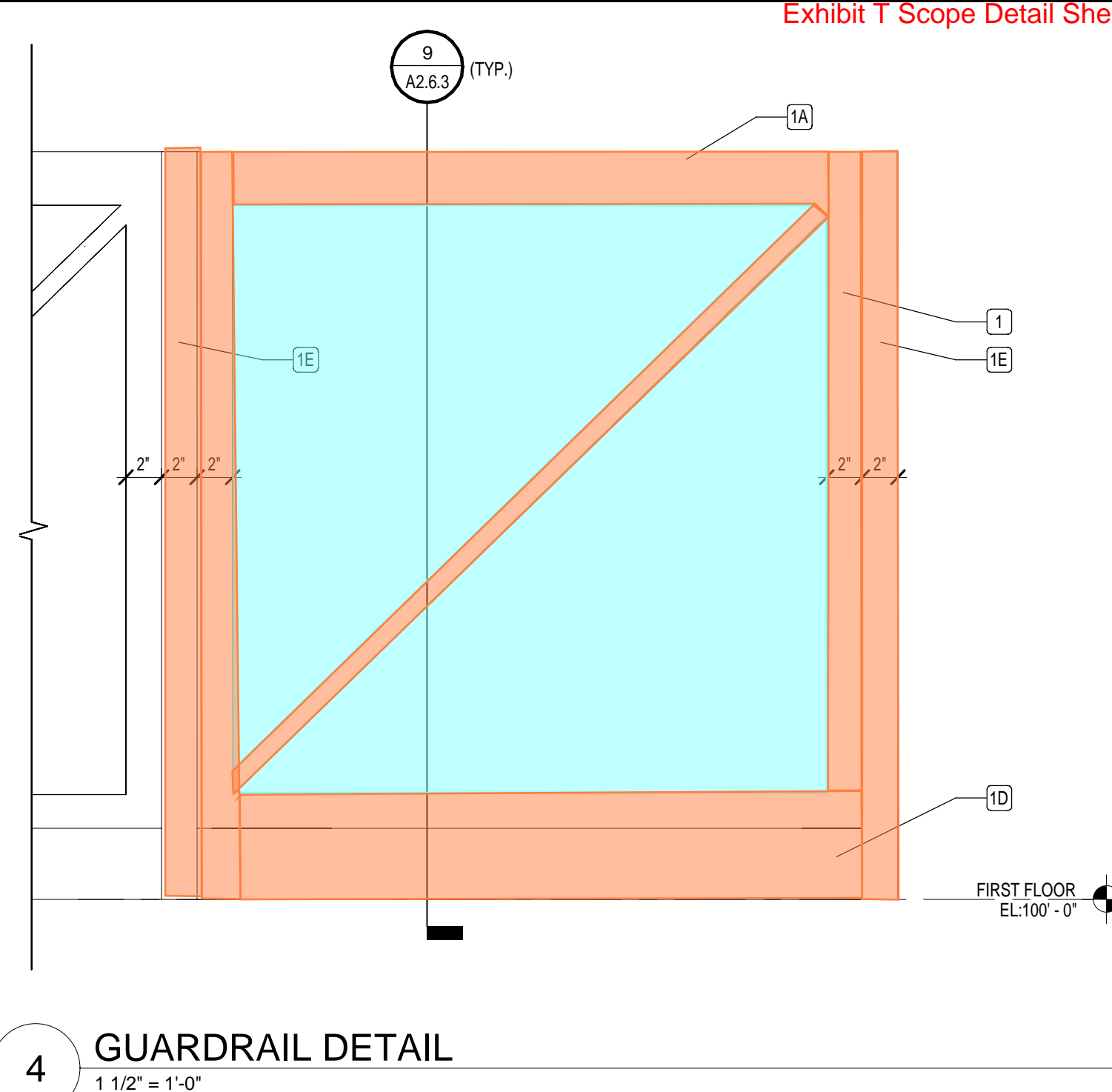
KEY VALUE	KEYNOTE TEXT
A105	NEW ADA LIFT

STAIR HANDRAIL AND GLASS GUARDRAIL KEY NOTES

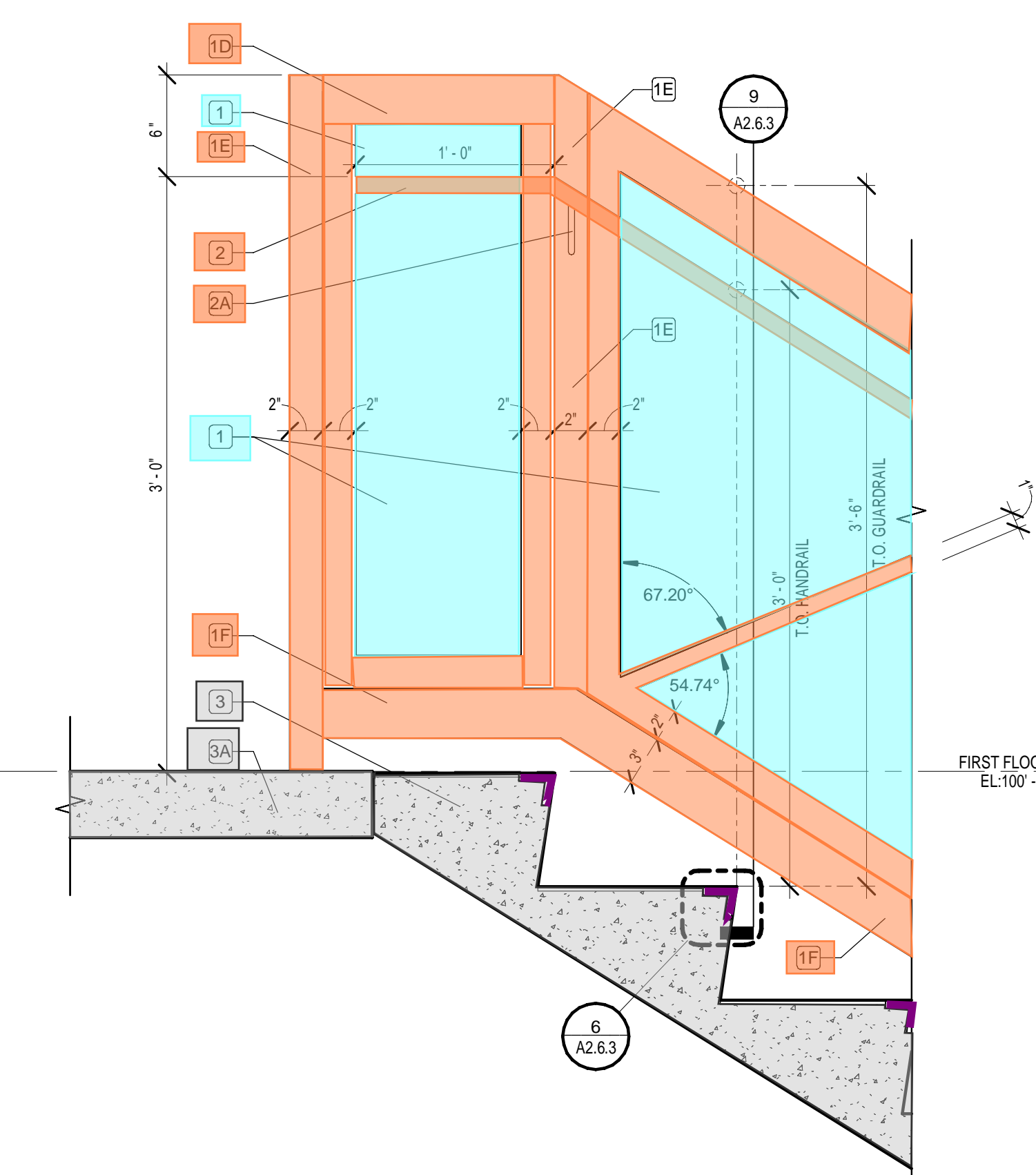
REFER TO SHEET A1.0 FOR PLAN KEYNOTES



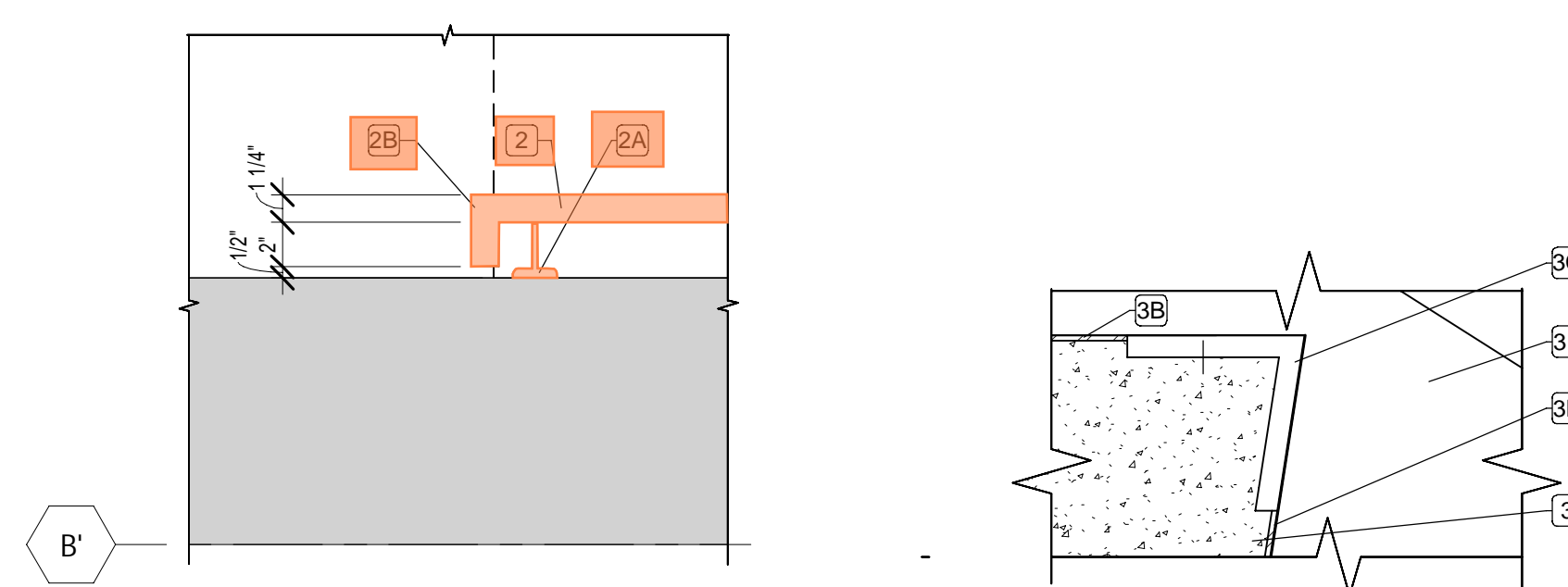
2 GUARDRAIL DETAIL



4 GUARDRAIL DETAIL
1 1/2" = 1'-0"

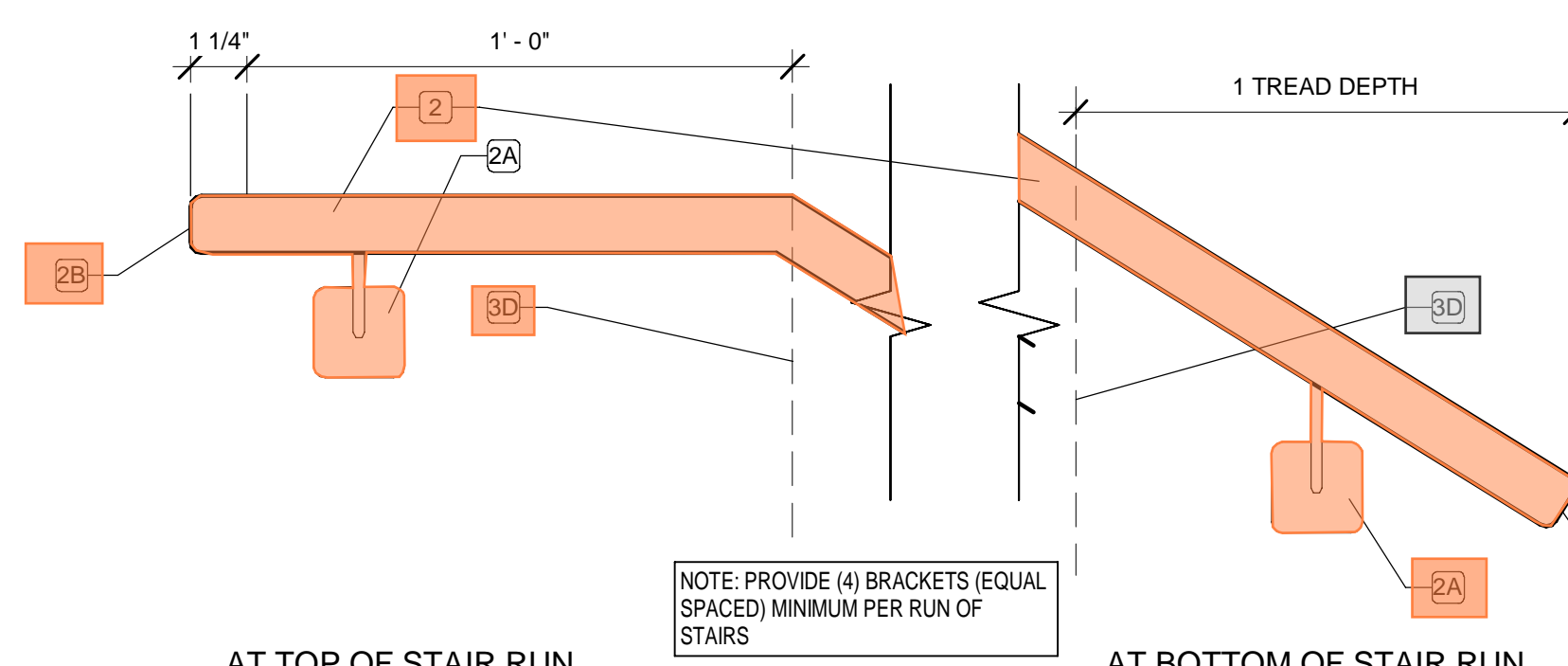


5 GUARDRAIL DETAIL

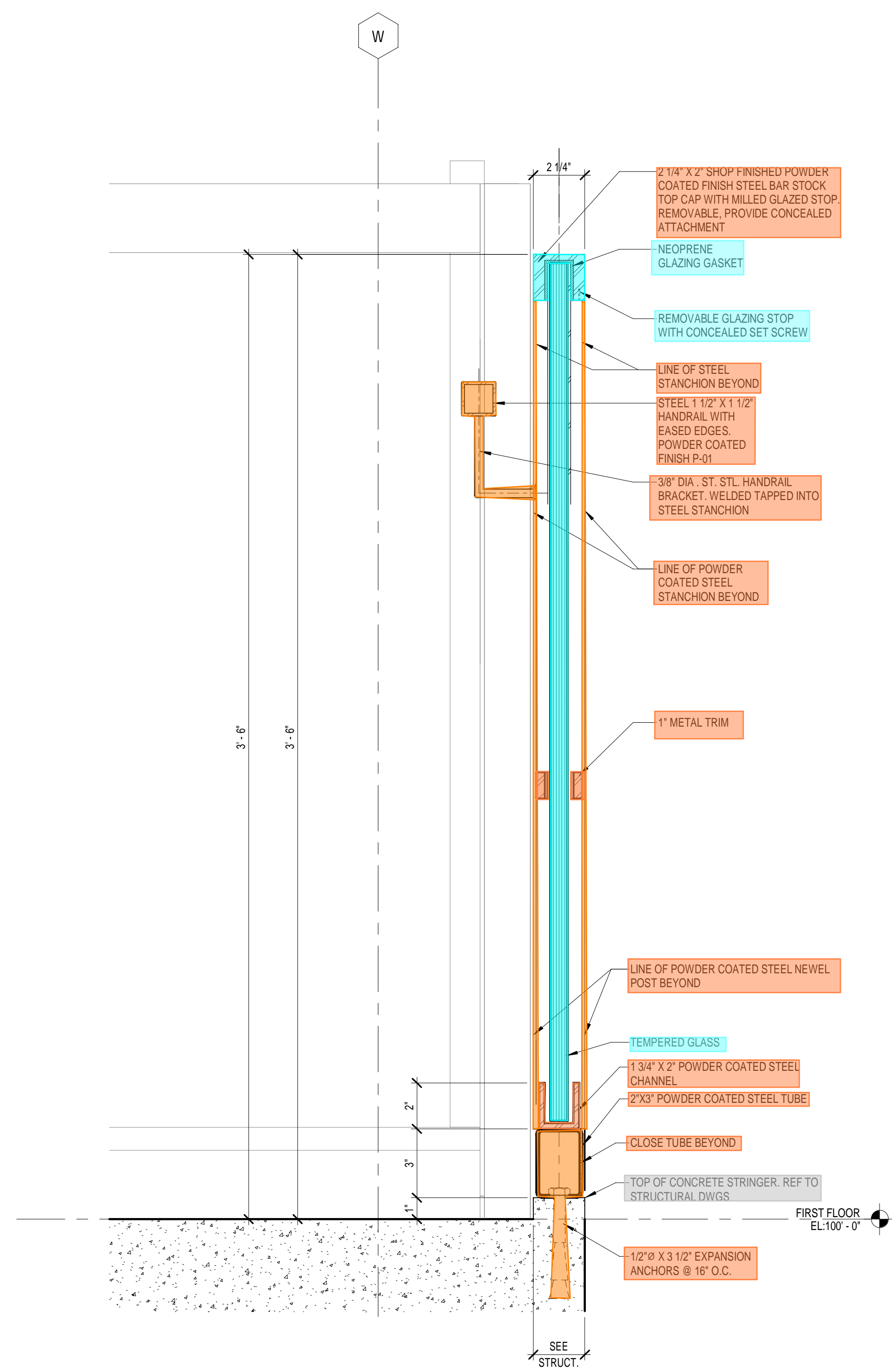


6A HANDRAIL RETURN
1 1/2" = 1'-0"

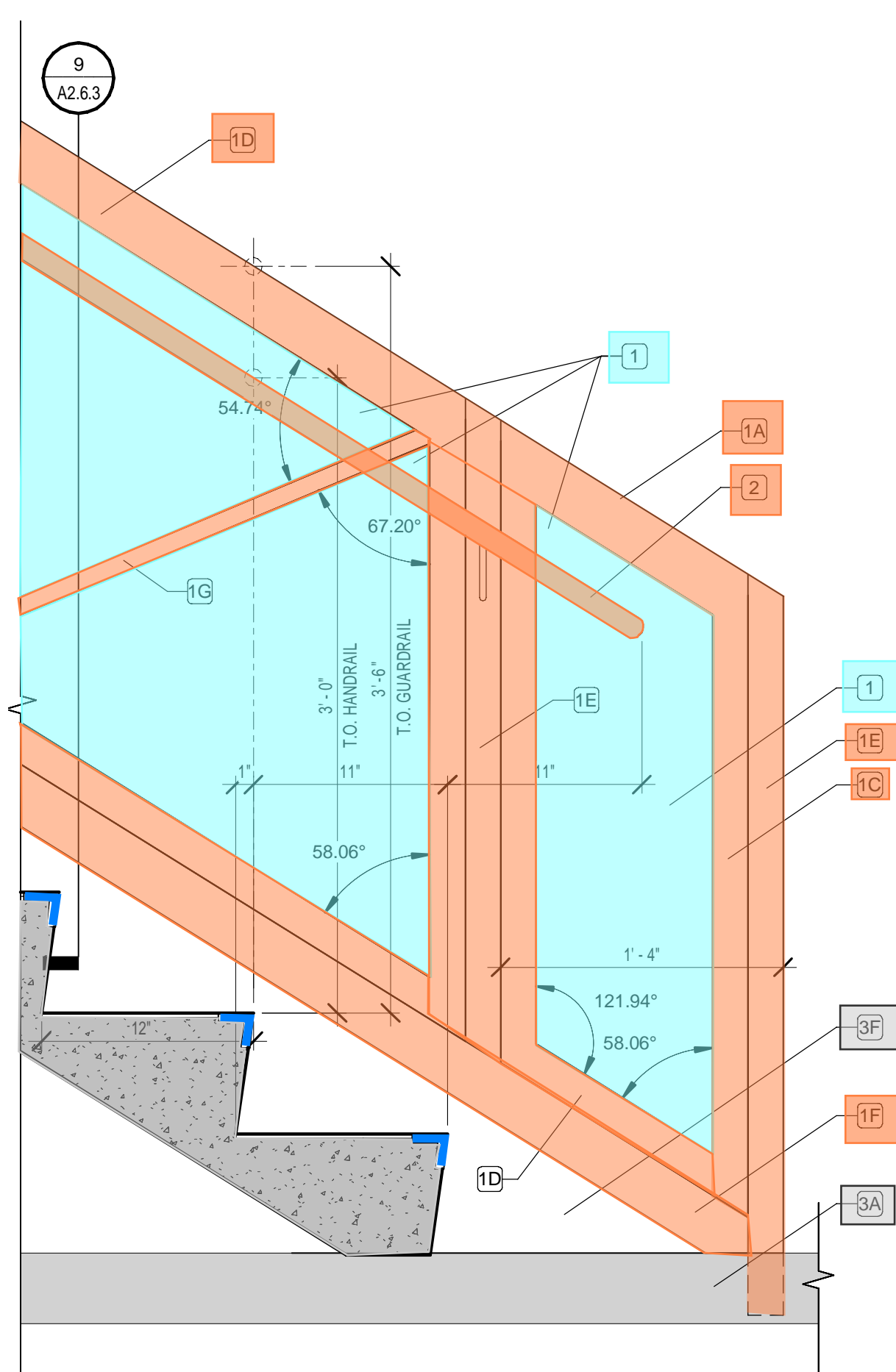
6 NOSING DETAIL
6" = 1'-0"



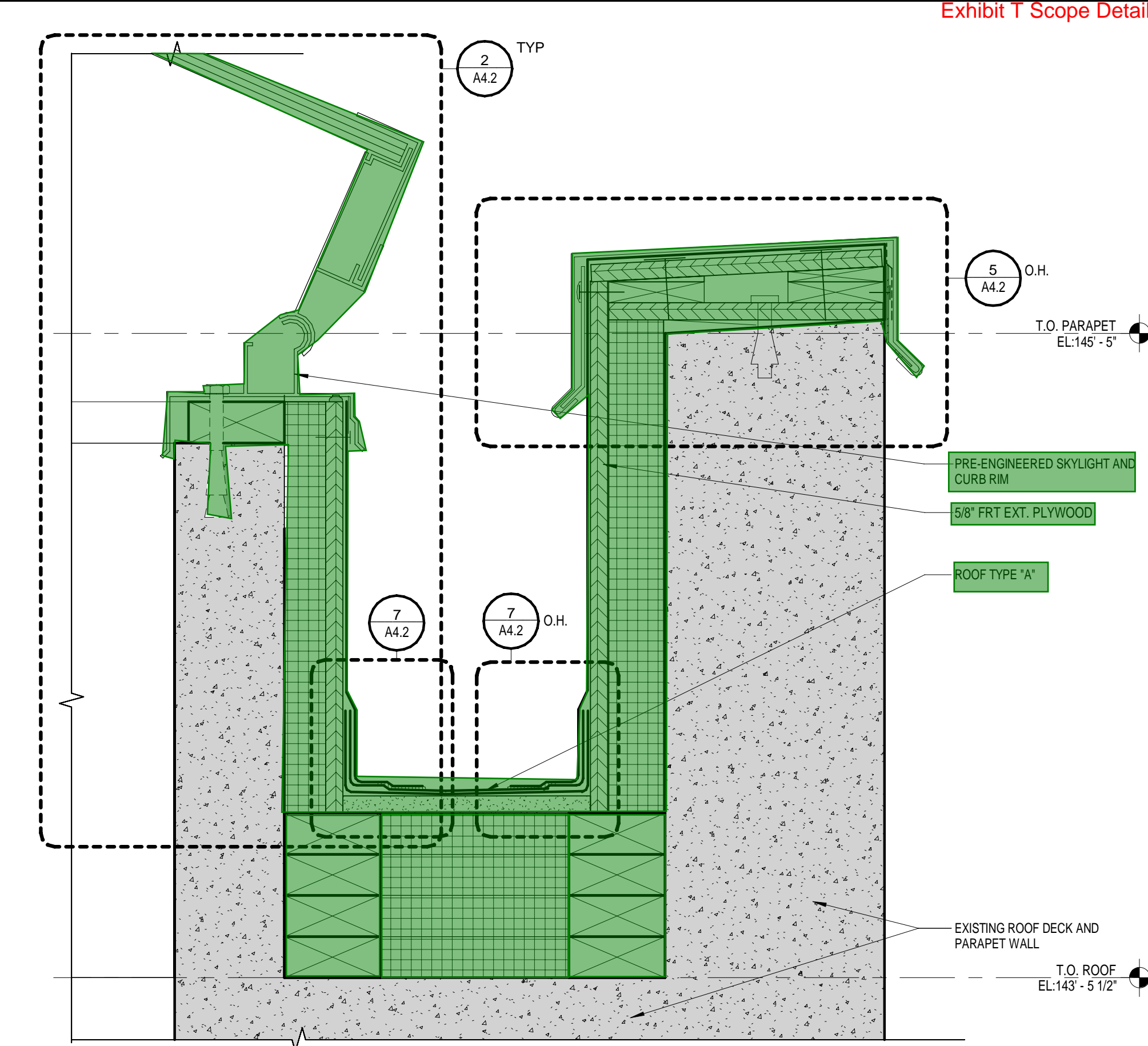
7 TYPICAL HANDRAIL DETAILS



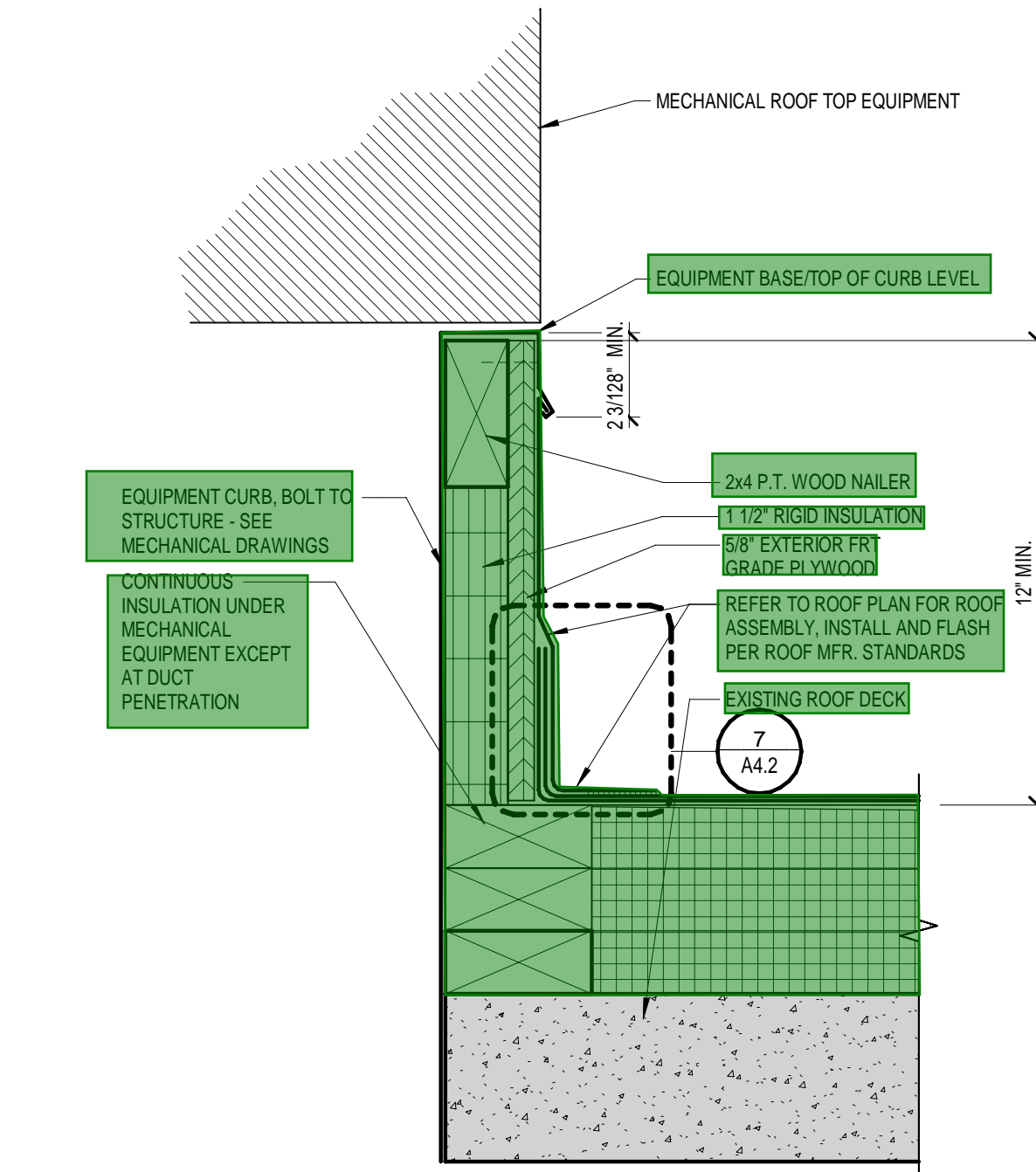
9 SECTION DETAIL
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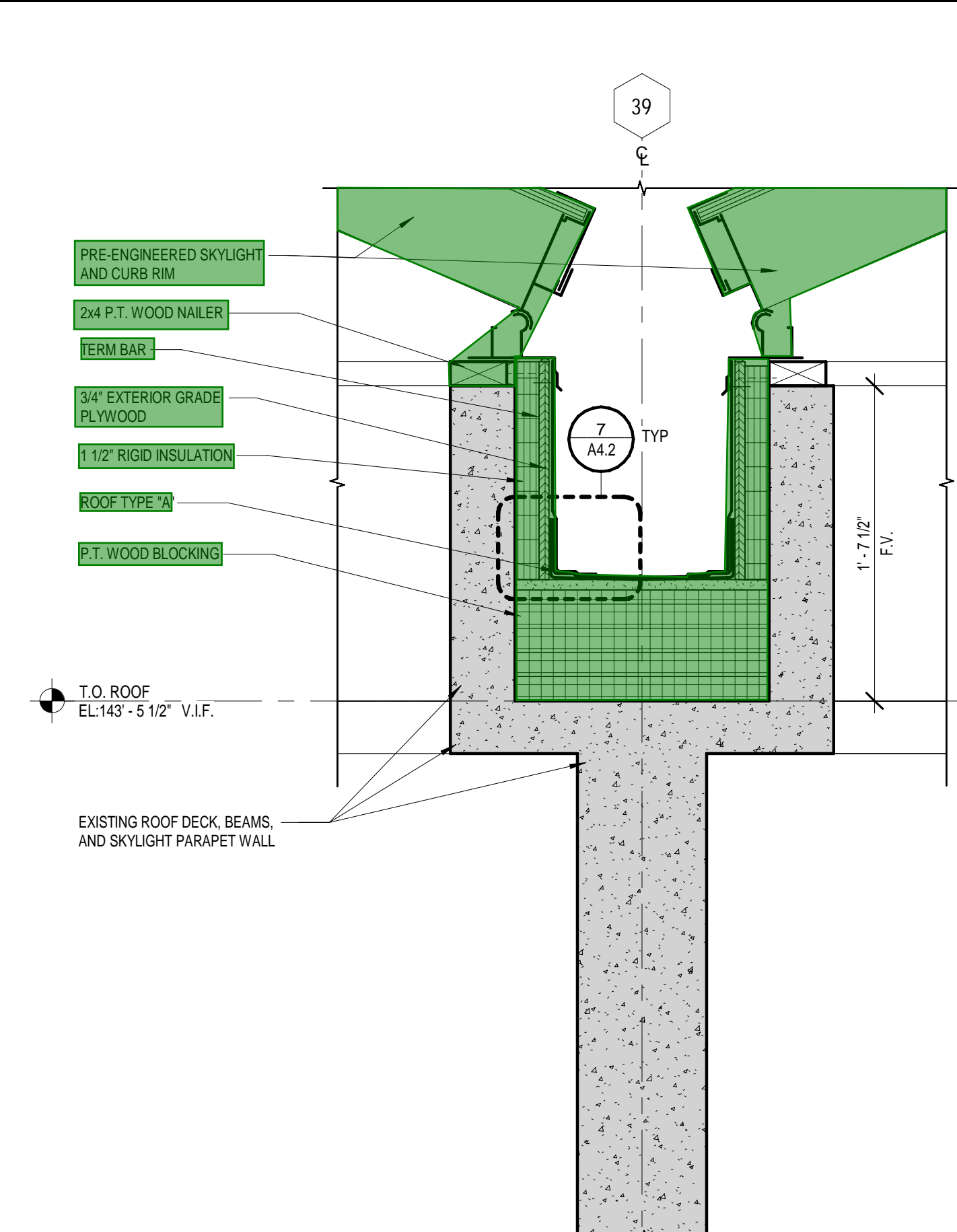
8 GUARDRAIL DETAIL
1 1/2" = 1'-0"



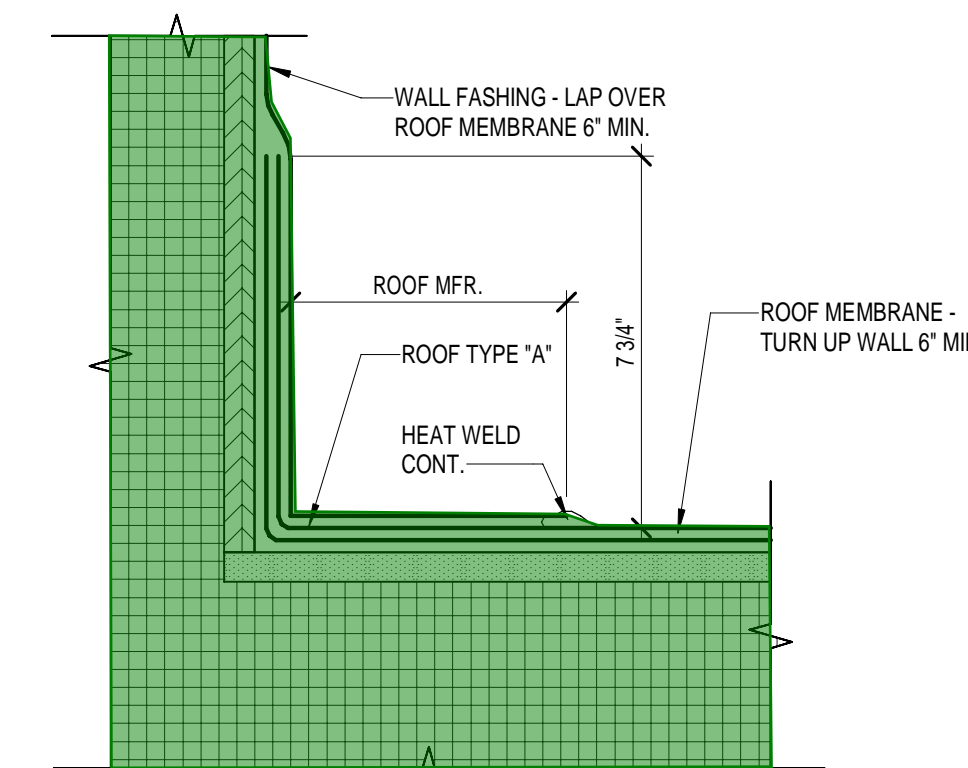
10 DETAIL
3" = 1'-0"



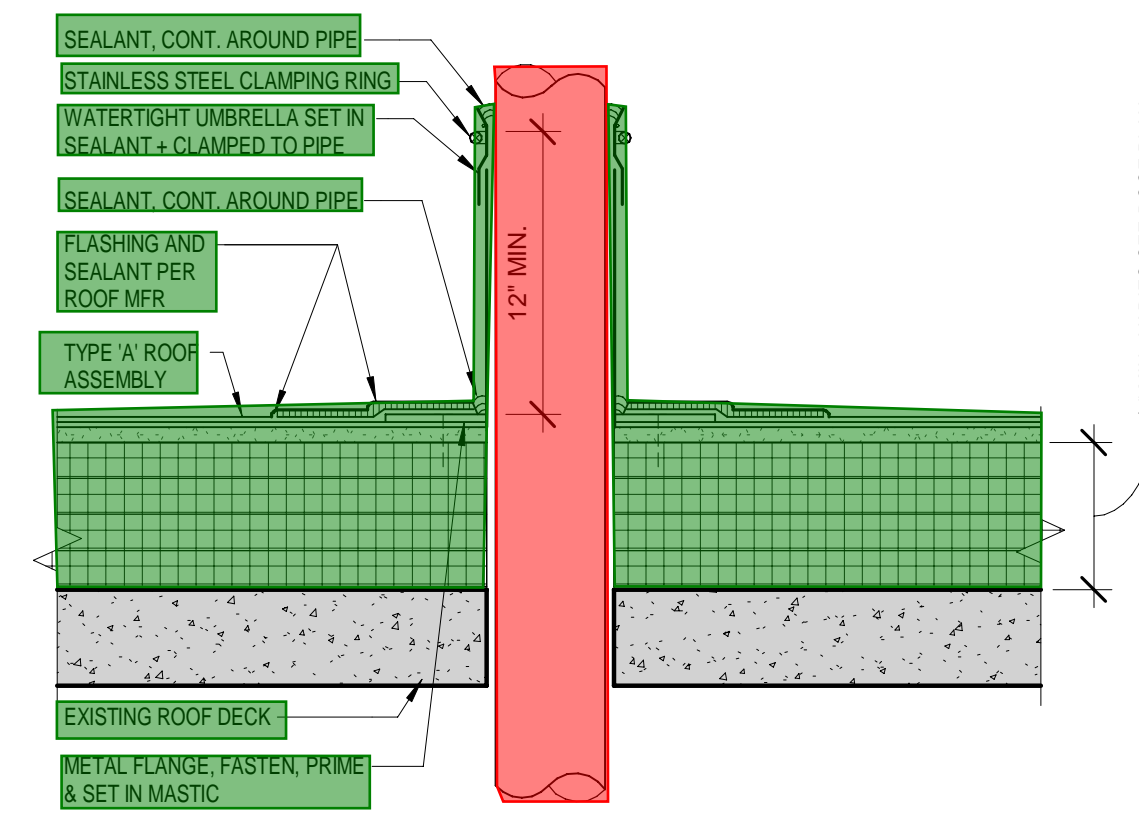
11 PRE-ENGINEERED/MFR. TYP. MECH. CURB DETAIL
3" = 1'-0"



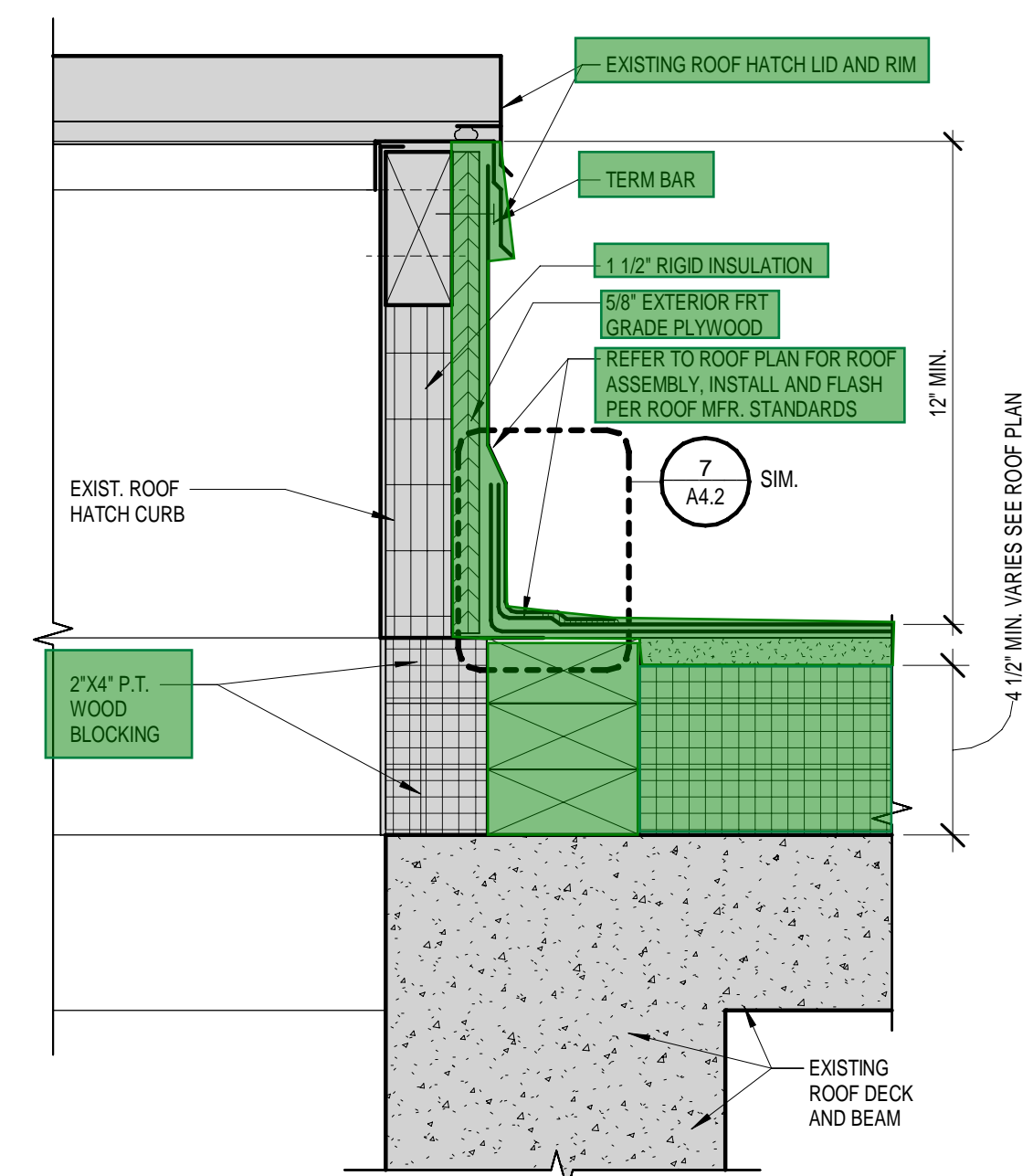
6 DETAIL
1 1/2" = 1'-0"



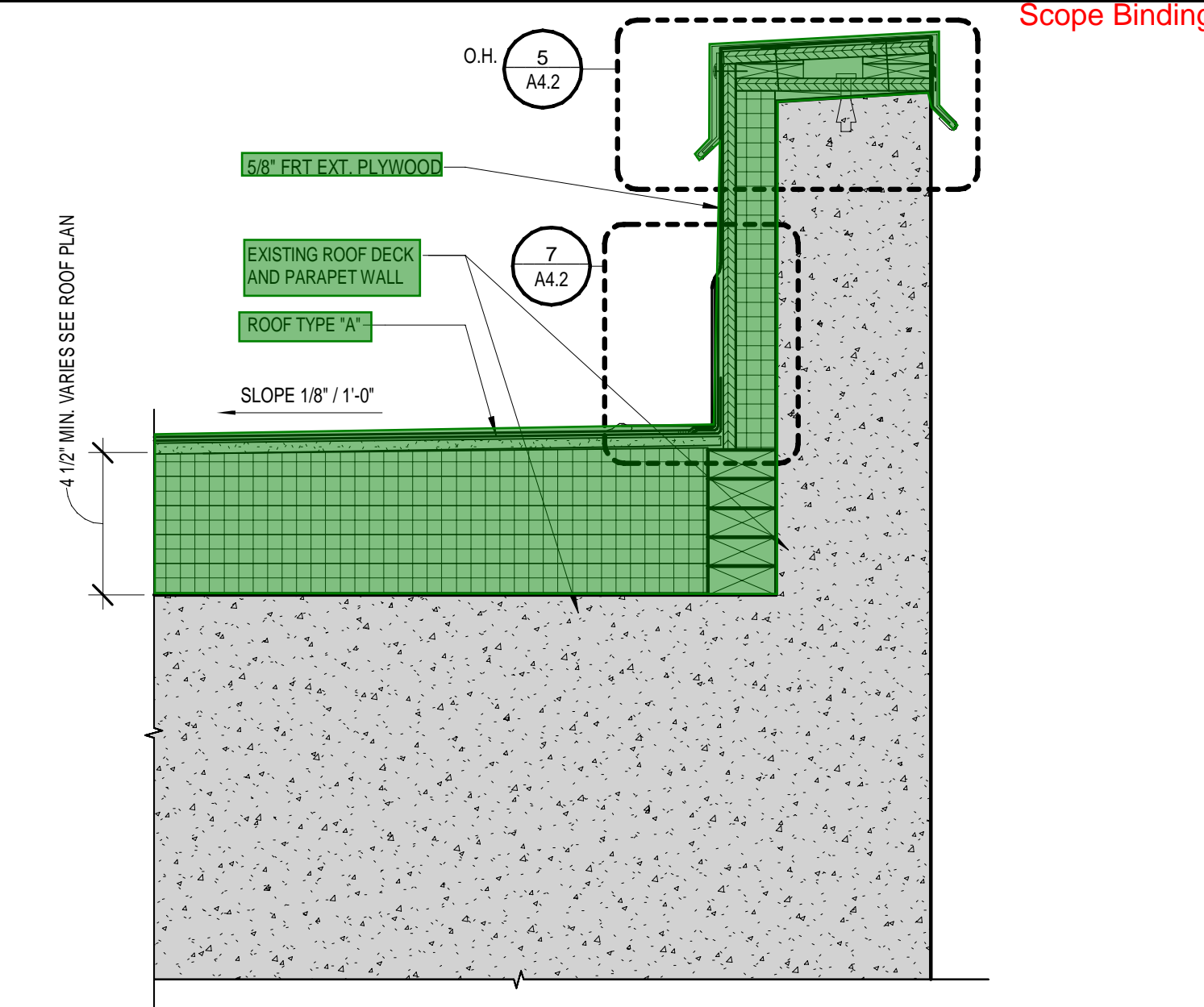
7 PARAPET FLASHING
3" = 1'-0"



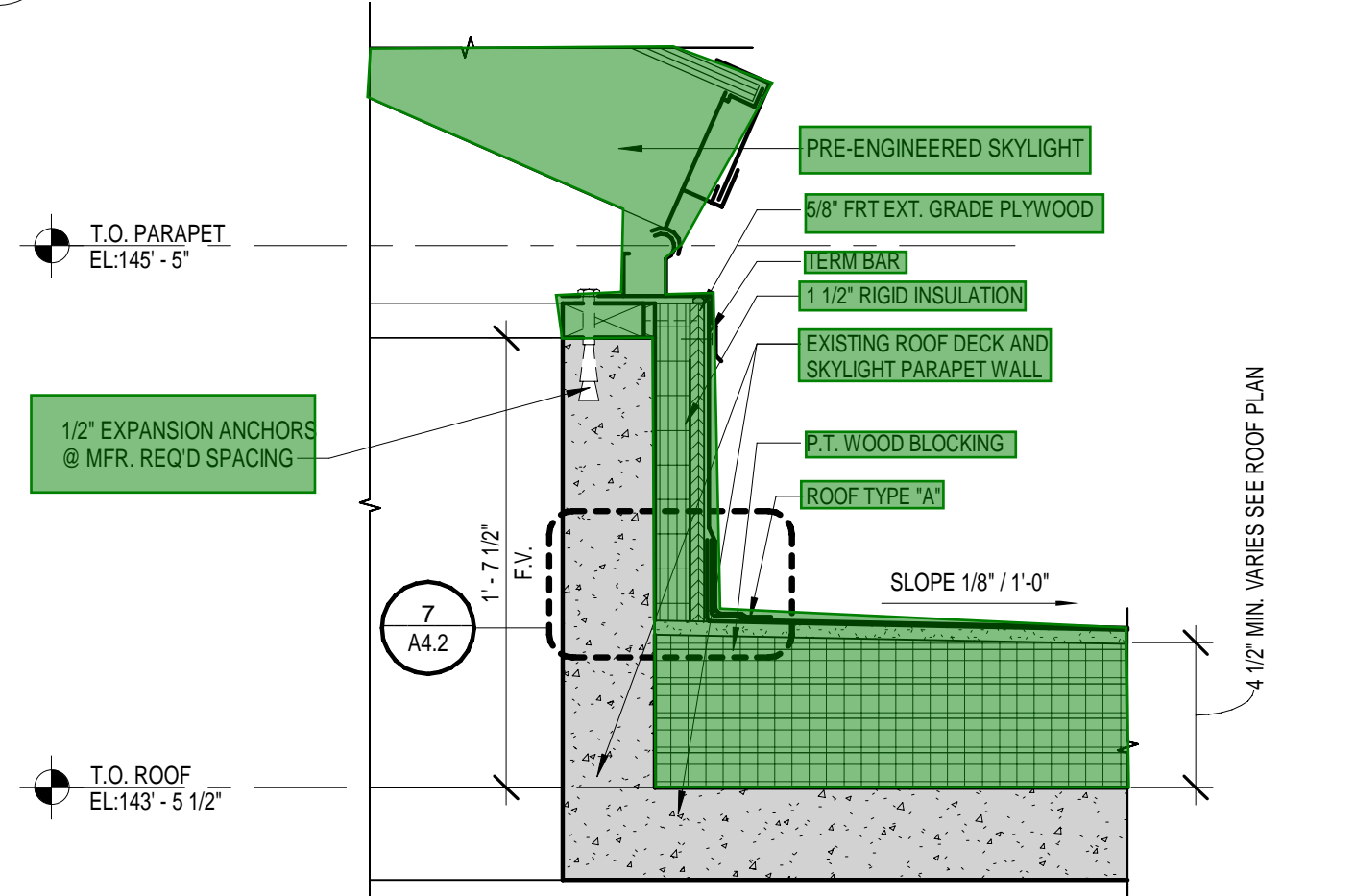
8 TYPICAL ROOF PENETRATION
1 1/2" = 1'-0"



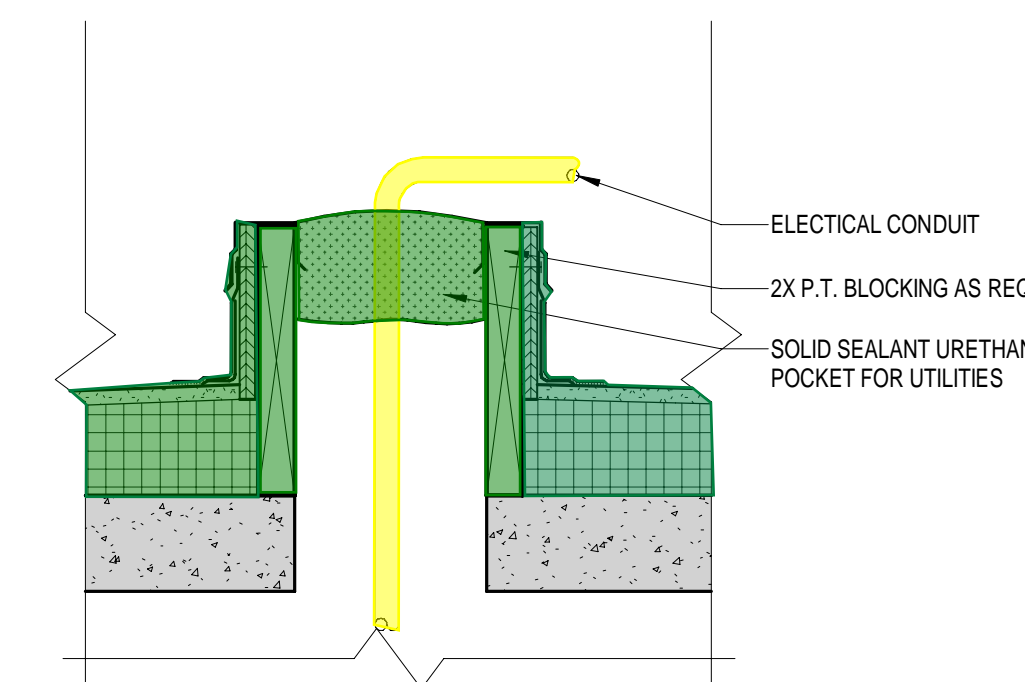
9 ROOF HATCH CURB
3" = 1'-0"



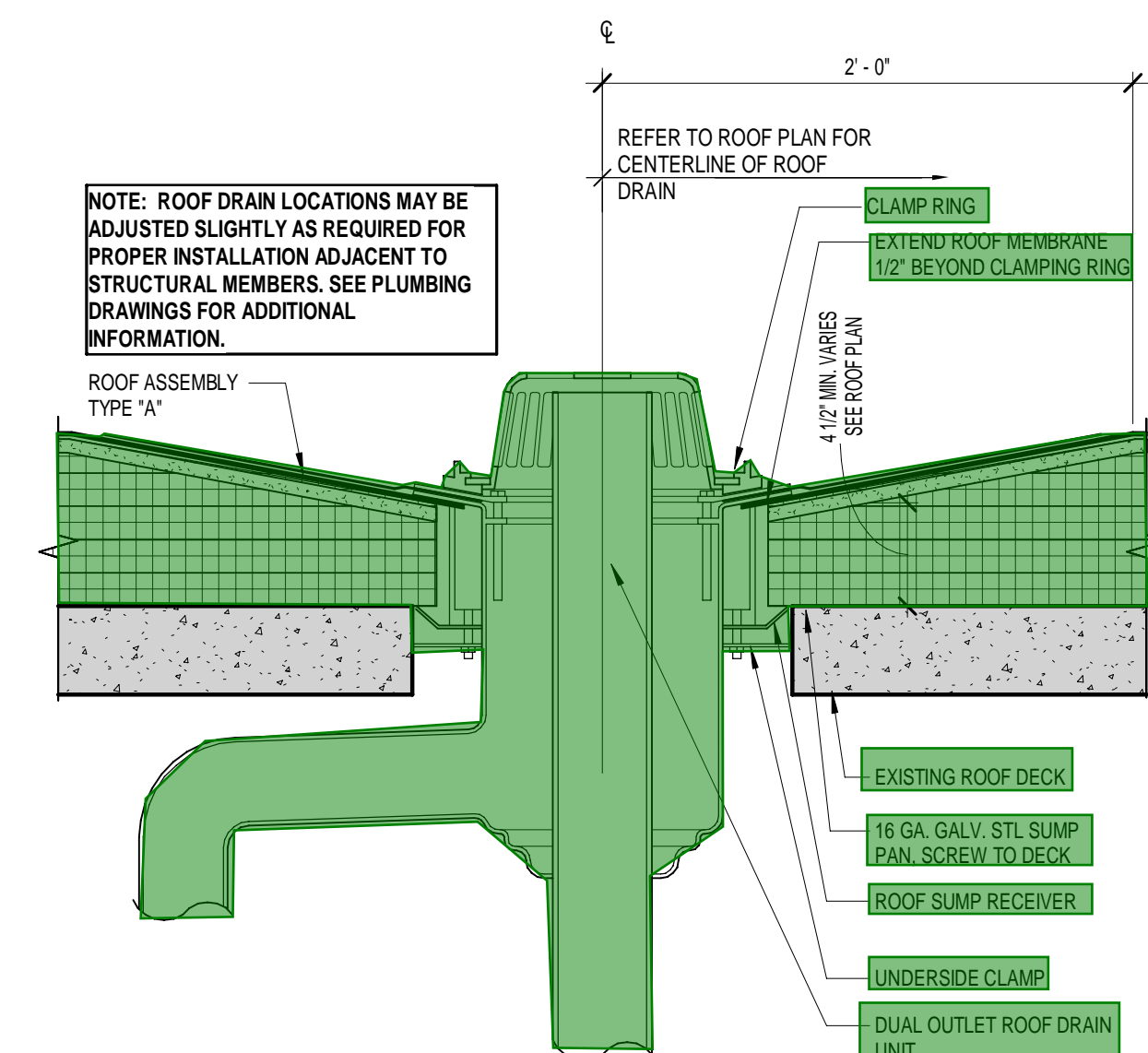
1 DETAIL
1 1/2" = 1'-0"



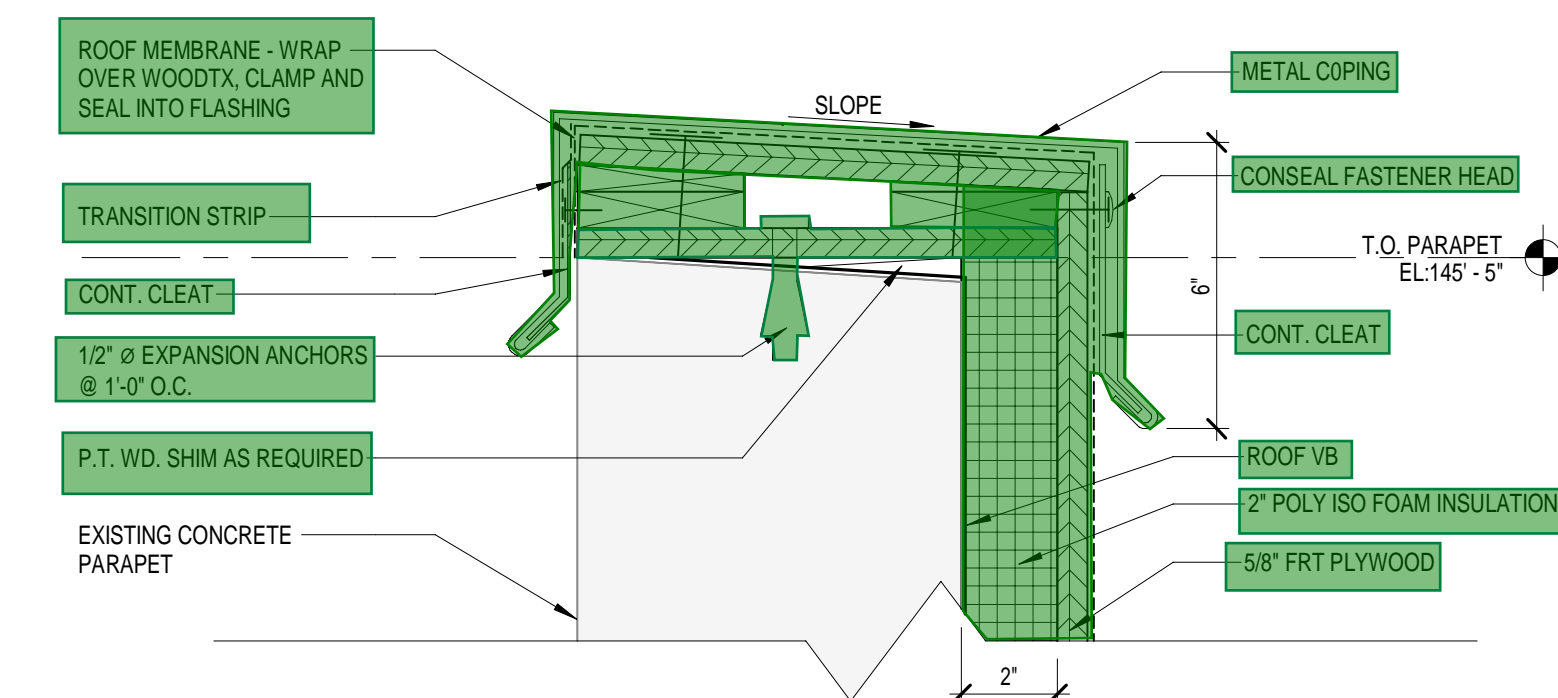
2 DETAIL
1 1/2" = 1'-0"



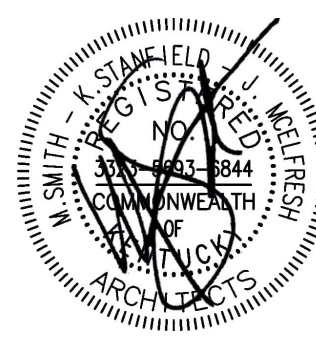
3 DETAIL
1 1/2" = 1'-0"



4 ROOF COMBINATION DRAIN DETAIL
1 1/2" = 1'-0"



5 SECTION DETAIL - PARAPET CAP
3" = 1'-0"



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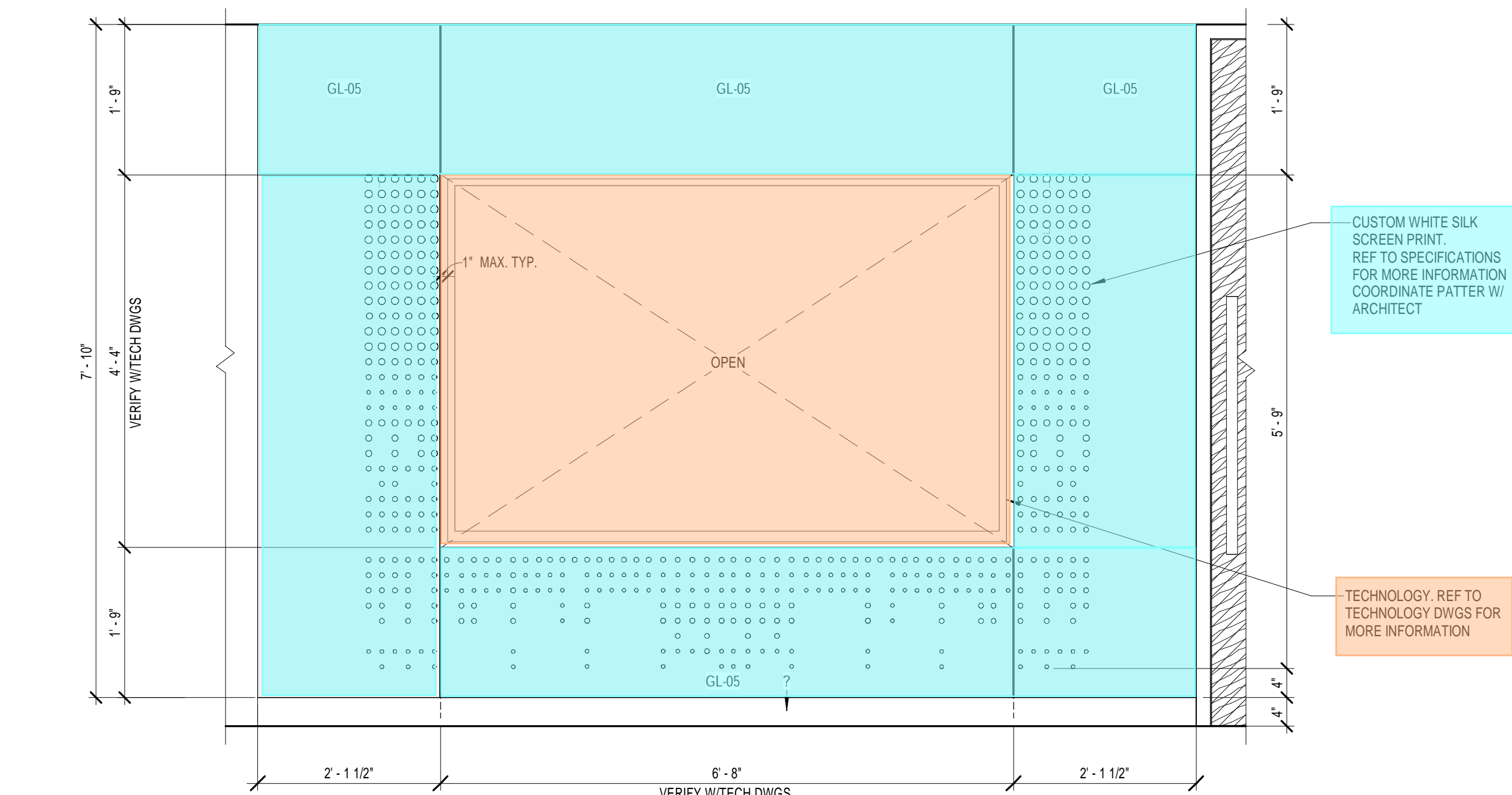
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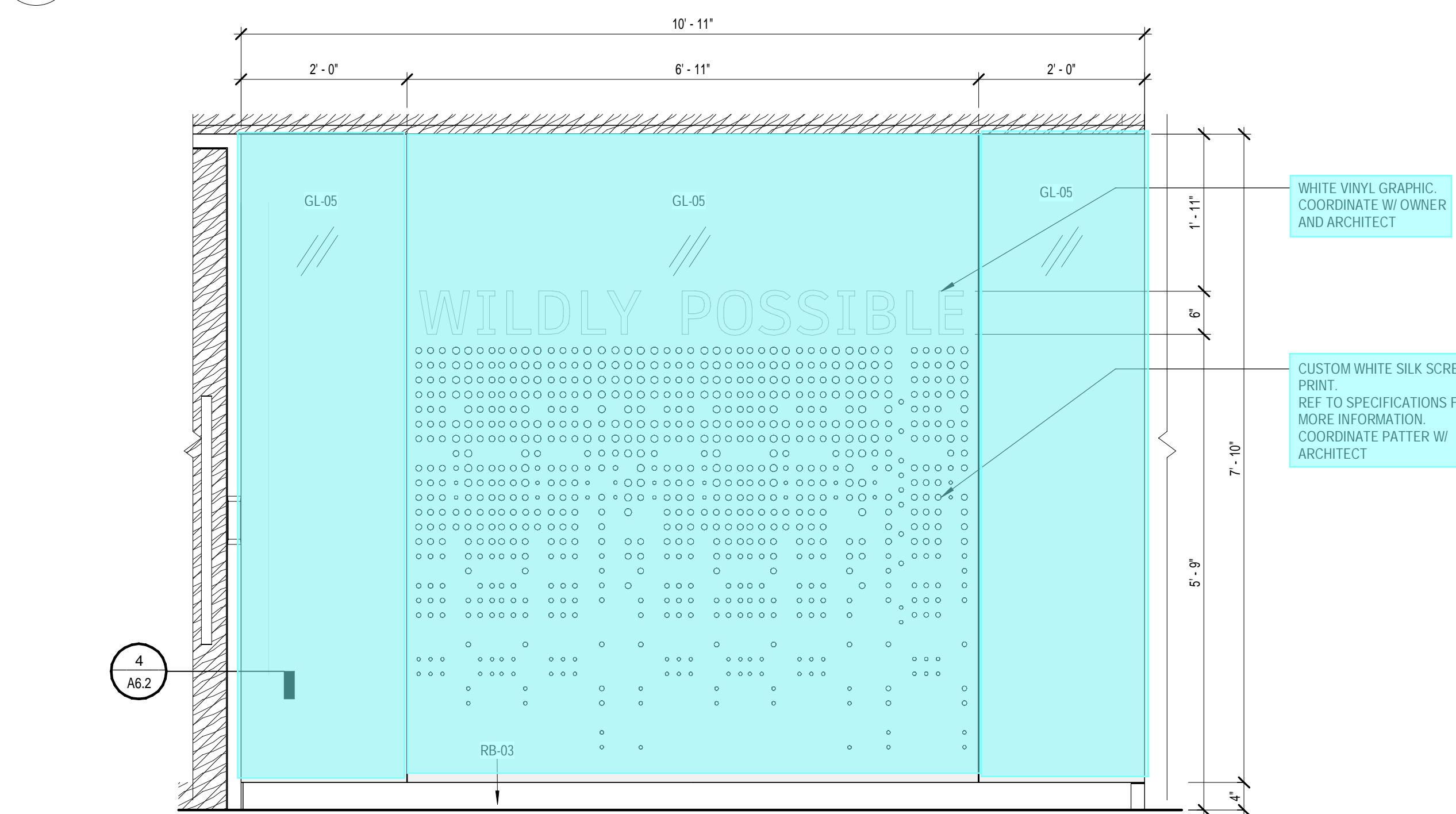
SHEET

2302 UNIVERSITY OF KENTUCKY WHITE HALL RENOVATION & ADDITION
Architect: Doss/2302 University of Kentucky White Hall Renovation Addition/2302 UK WH R23.rvt
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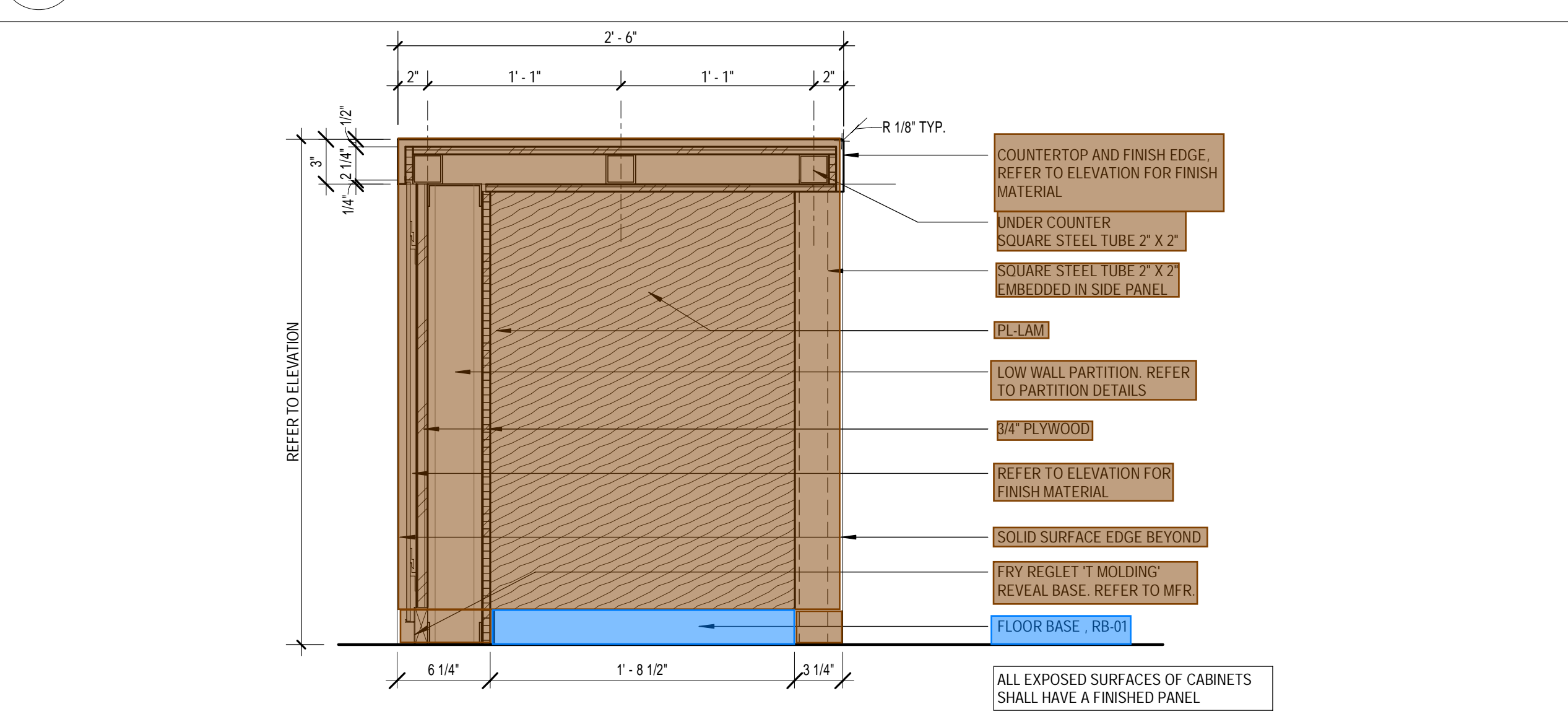
9 INTERIOR ELEVATION
1/4" = 1'-0"



8 ELEVATION DETAIL - LOBBY GRAPHIC 'A'
3/4" = 1'-0"



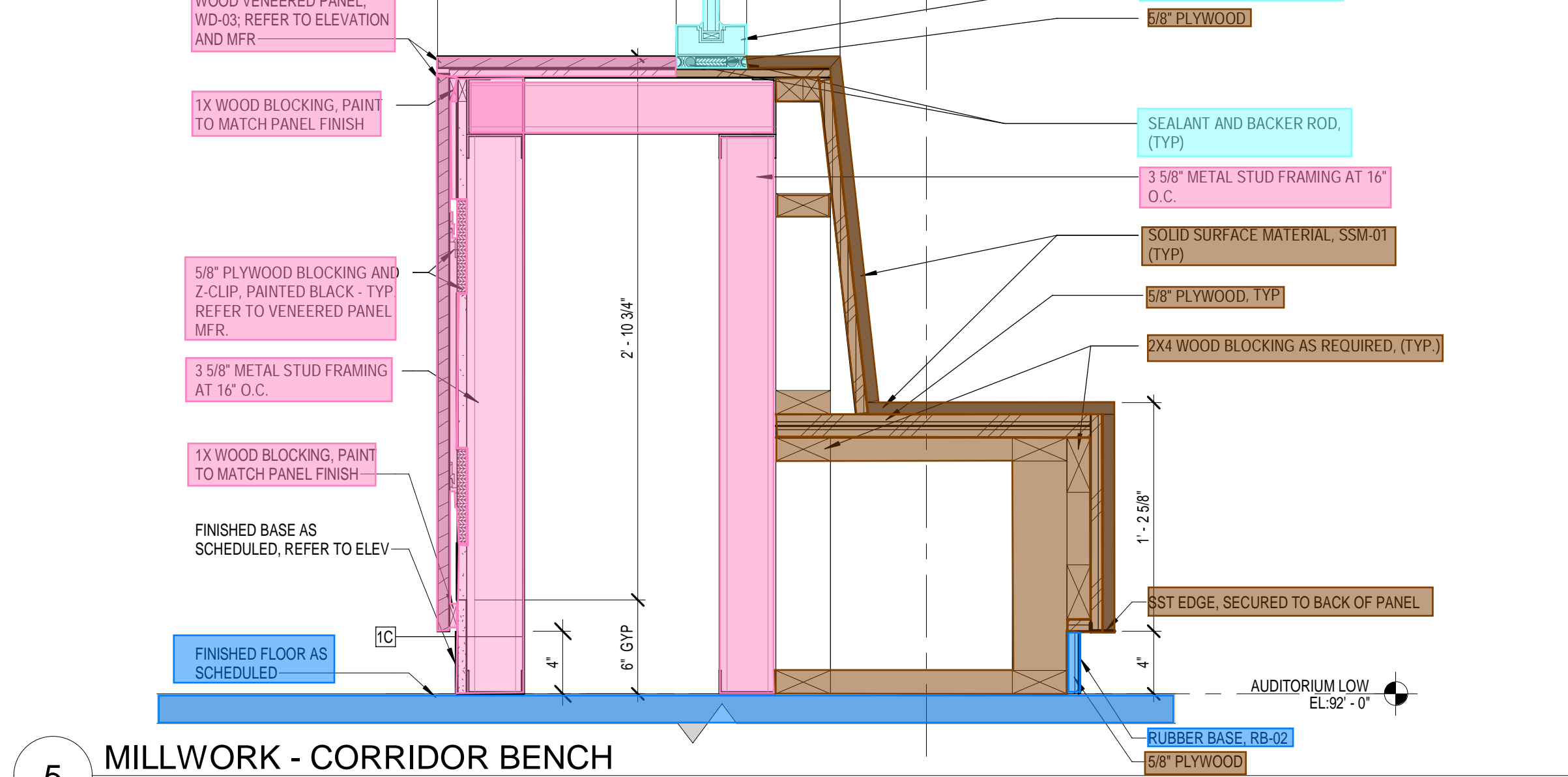
11 ELEVATION DETAIL - LOBBY GRAPHIC 'B'
3/4" = 1'-0"



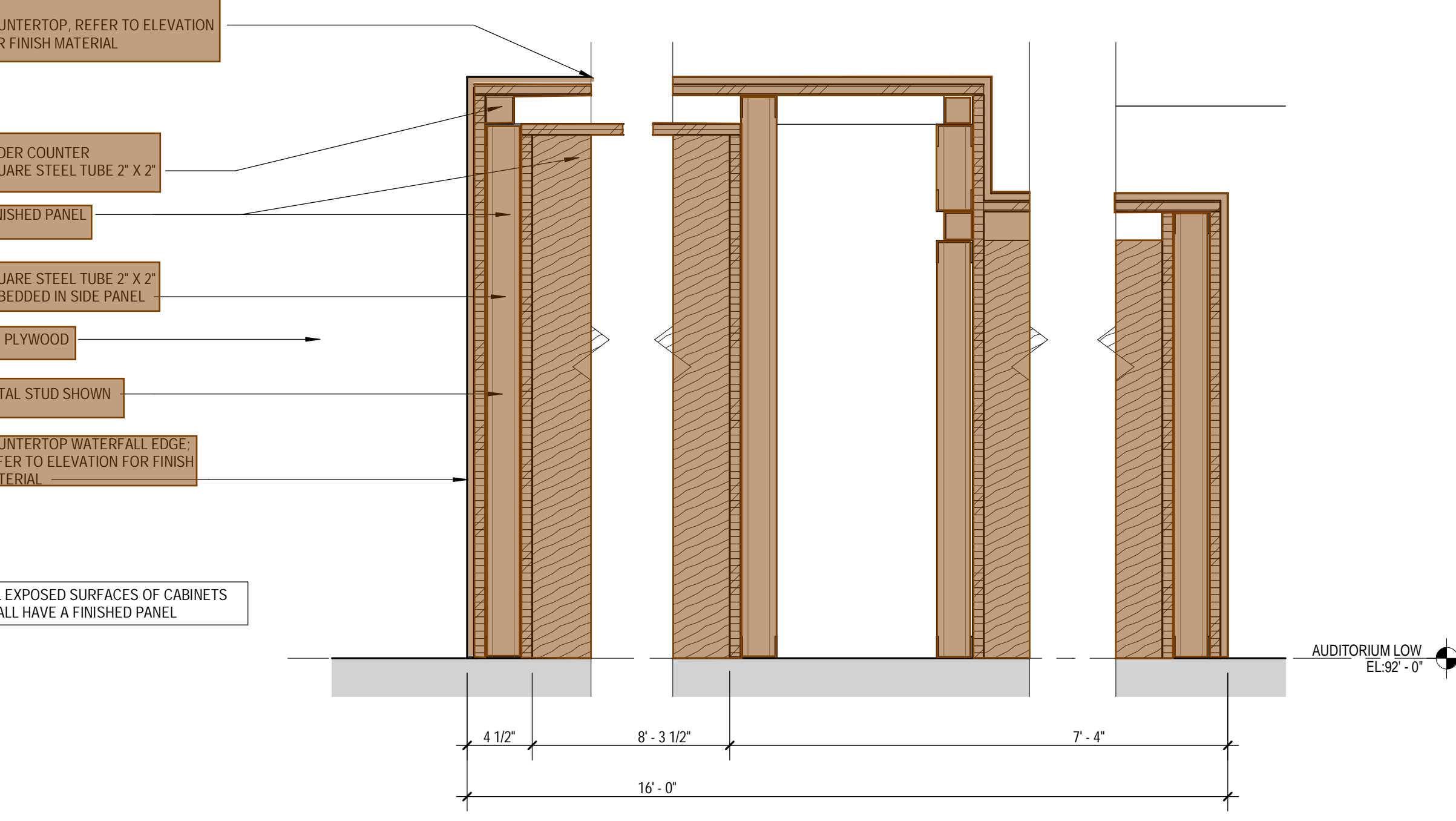
12 IC-EP - ISLAND END PANEL
1 1/2" = 1'-0"



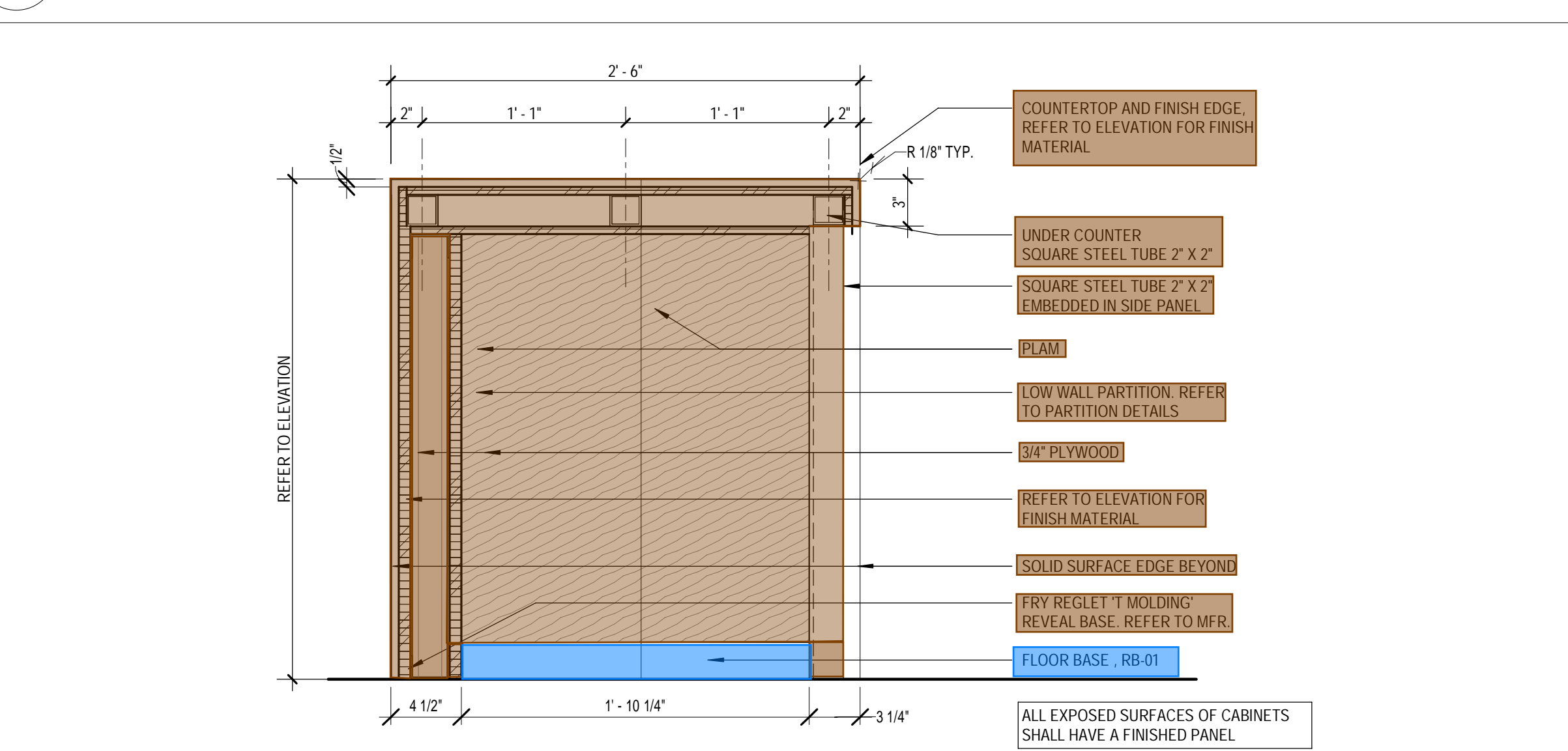
5 MILLWORK - CORRIDOR BENCH
1 1/2" = 1'-0"



6 LARGE AUDITORIUM DESK - SECTION
1 1/2" = 1'-0"



7 IC-EP - ISLAND END PANEL
1 1/2" = 1'-0"

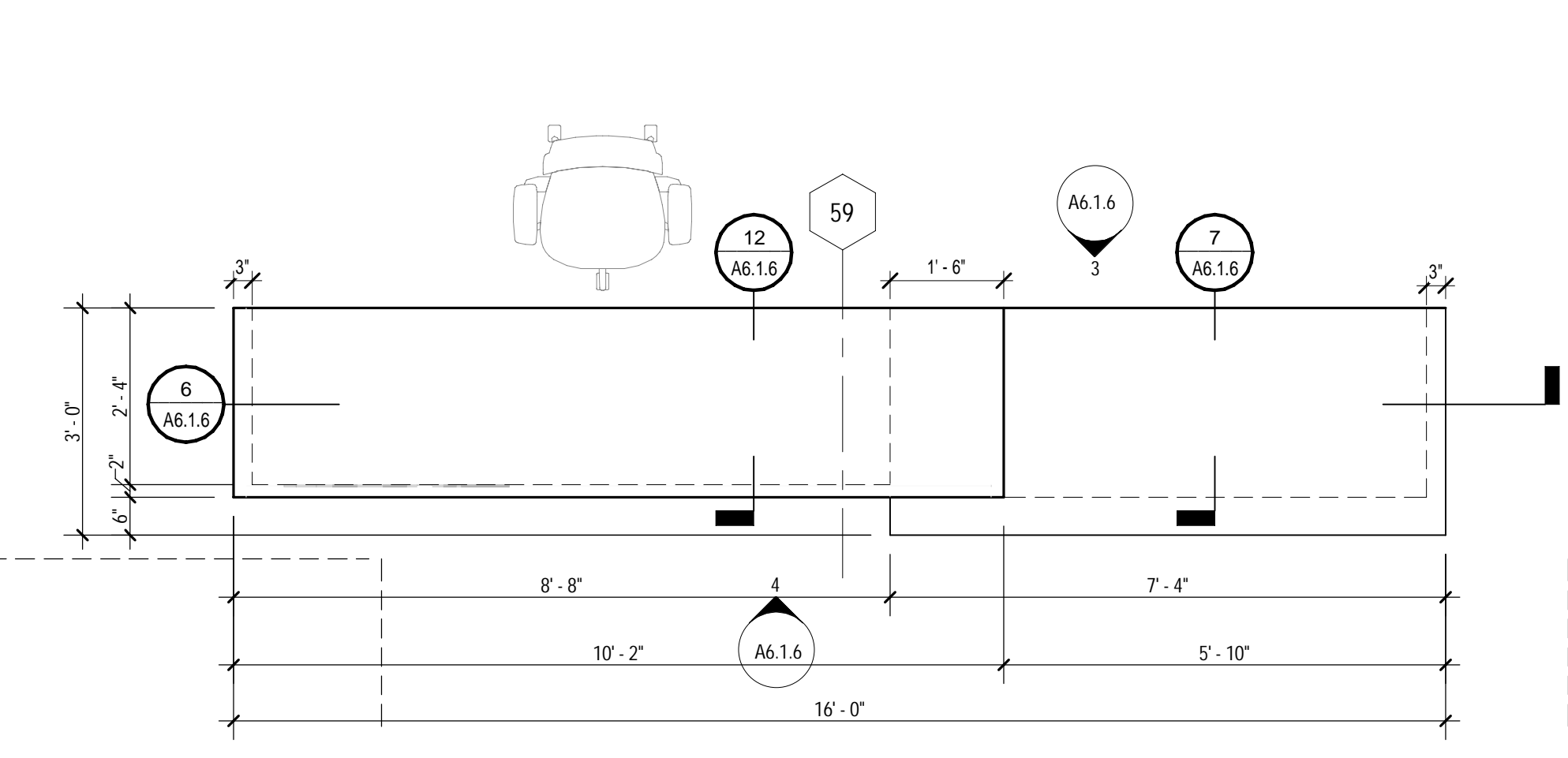


7 IC-EP - ISLAND END PANEL
1 1/2" = 1'-0"

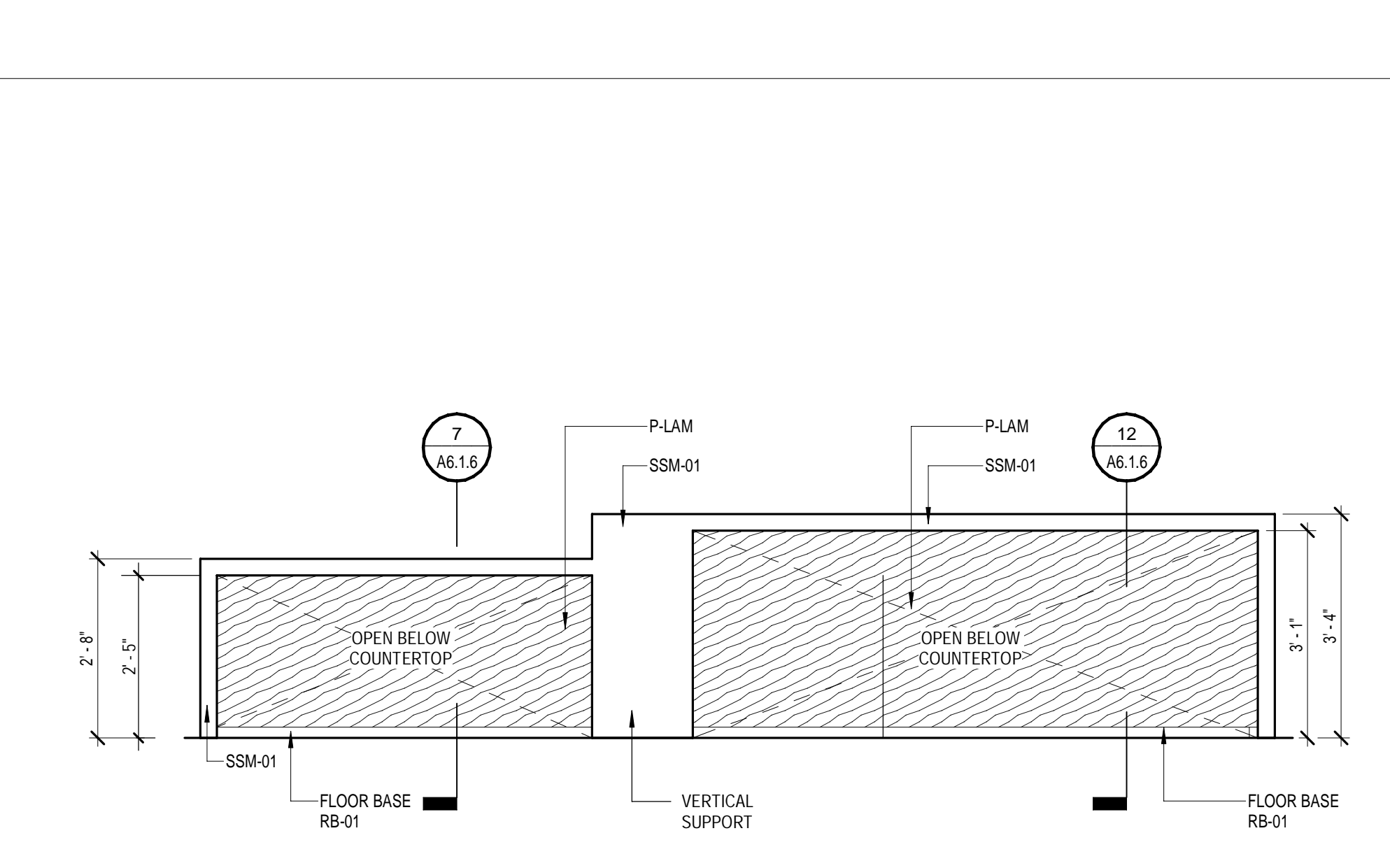


Exhibit T Scope Detail Sheet

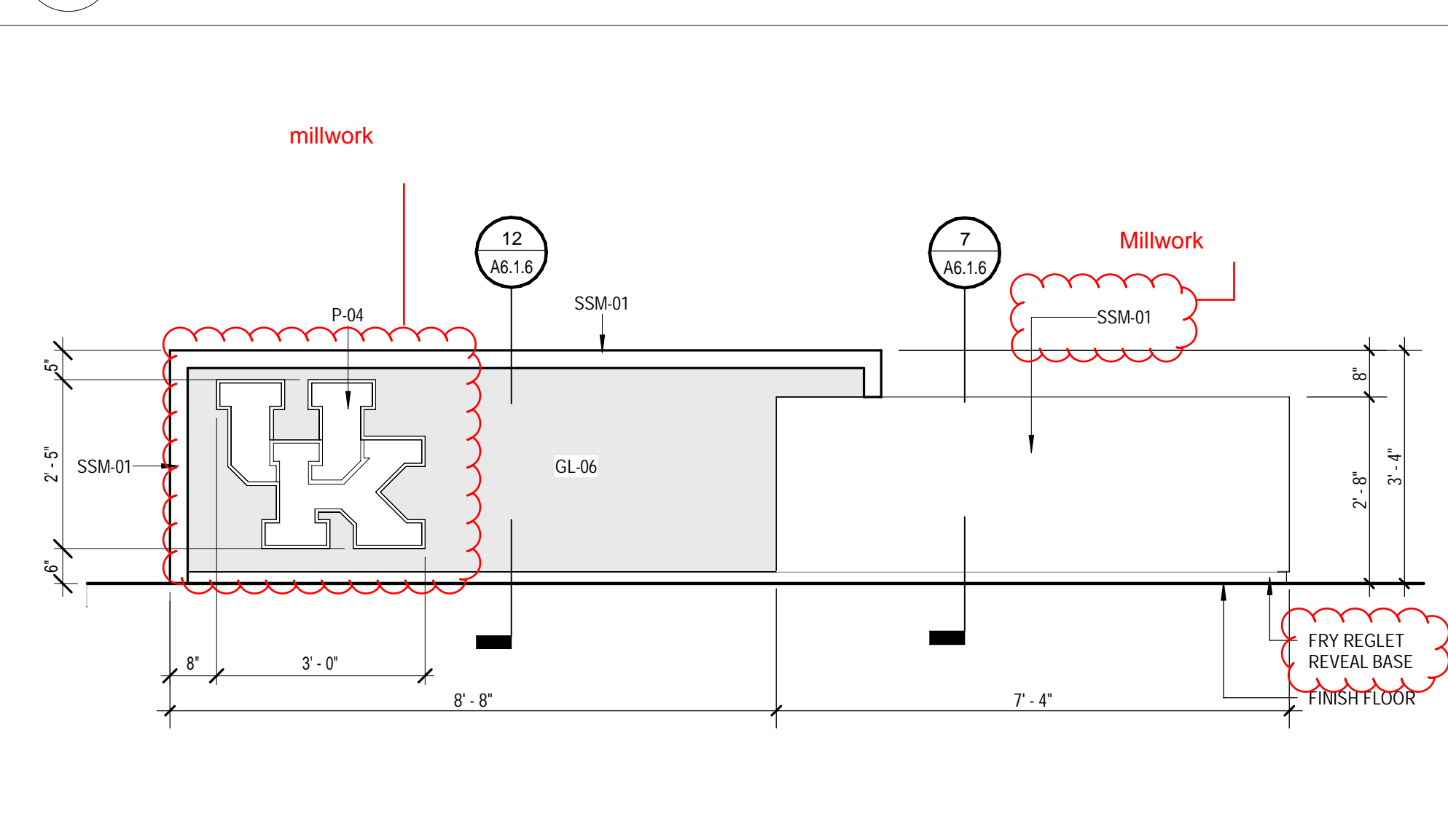
2 ENLARGED PLAN - AUDITORIUM MILLWORK
1/2" = 1'-0"



3 MILLWORK ELEVATION
1/2" = 1'-0"



4 MILLWORK DESK ELEVATION - LARGE AUDITORIUM
1/2" = 1'-0"



4 MILLWORK DESK ELEVATION - LARGE AUDITORIUM
1/2" = 1'-0"



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UNIVERSITY OF KENTUCKY

WHITE HALL RENOVATION

LEXINGTON, KENTUCKY

MILLWORK DETAILS

JOB NO. 2302

DATE SEPT. 10, 2024

DRAWN ACISW

CHECKED GJBKL

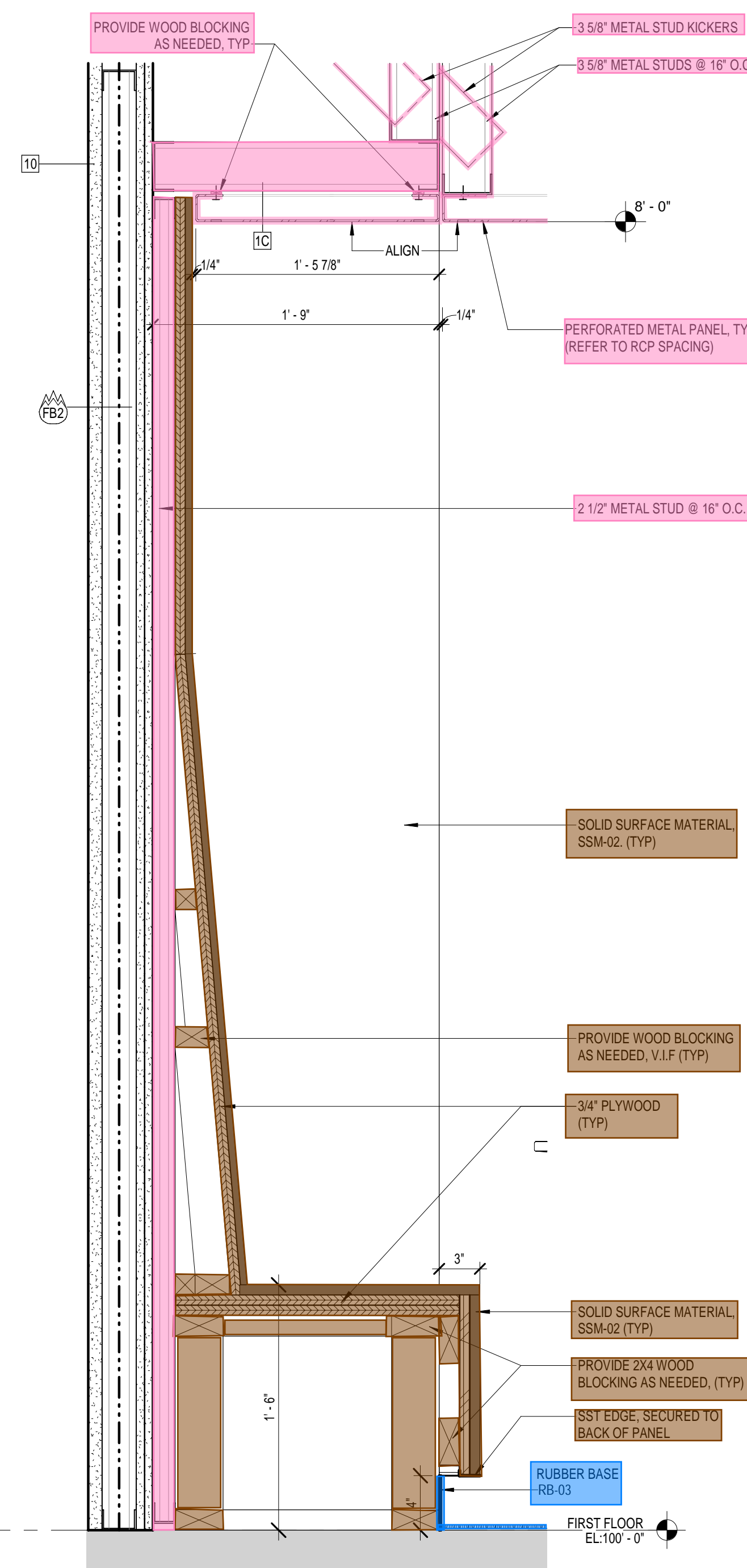
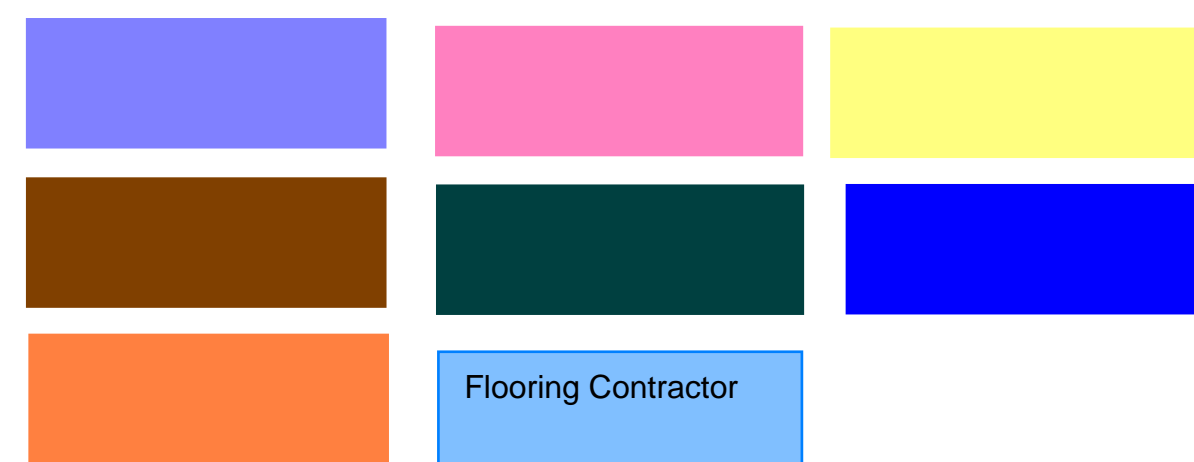
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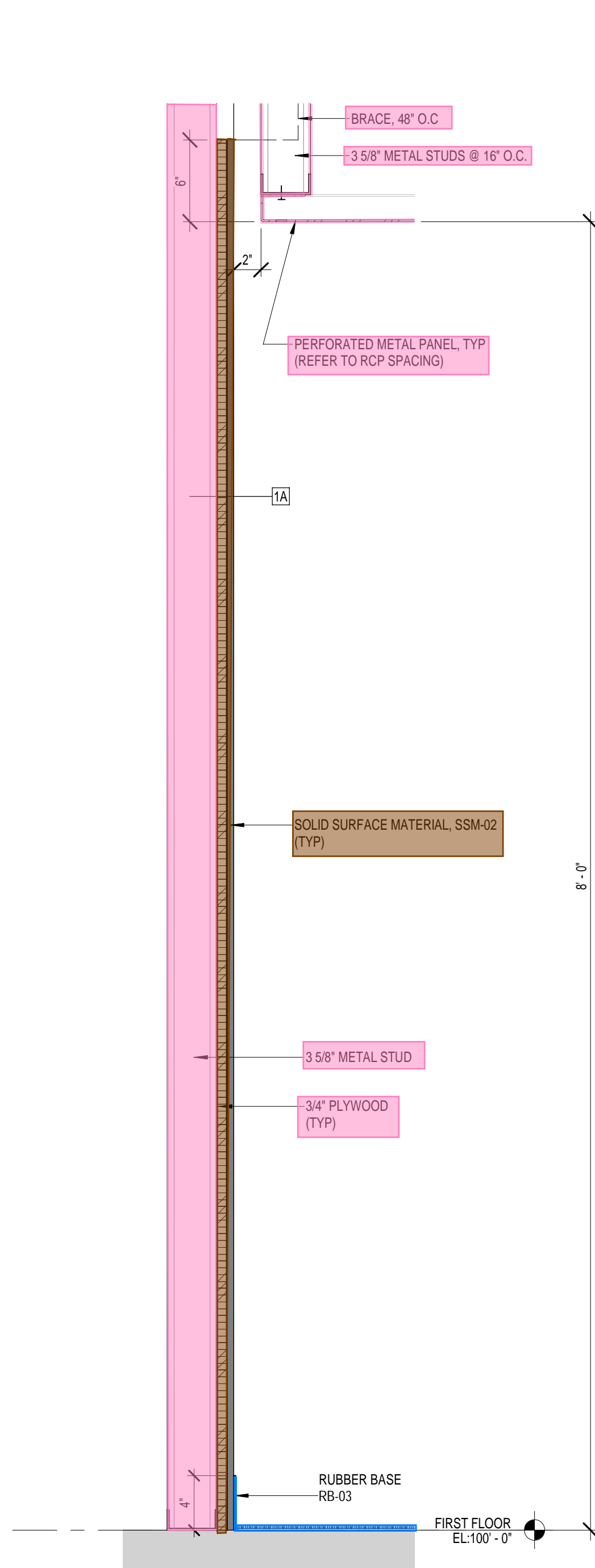
Type No. Date

SHEET

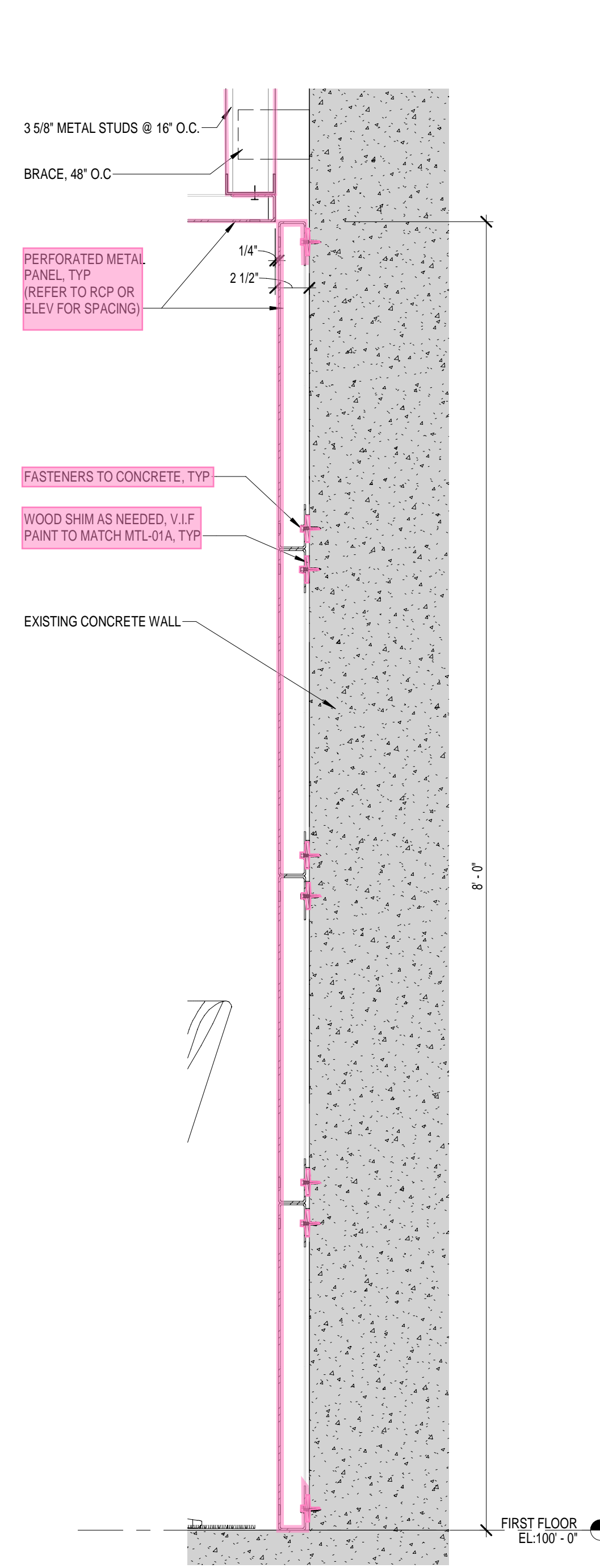
A6.1.6



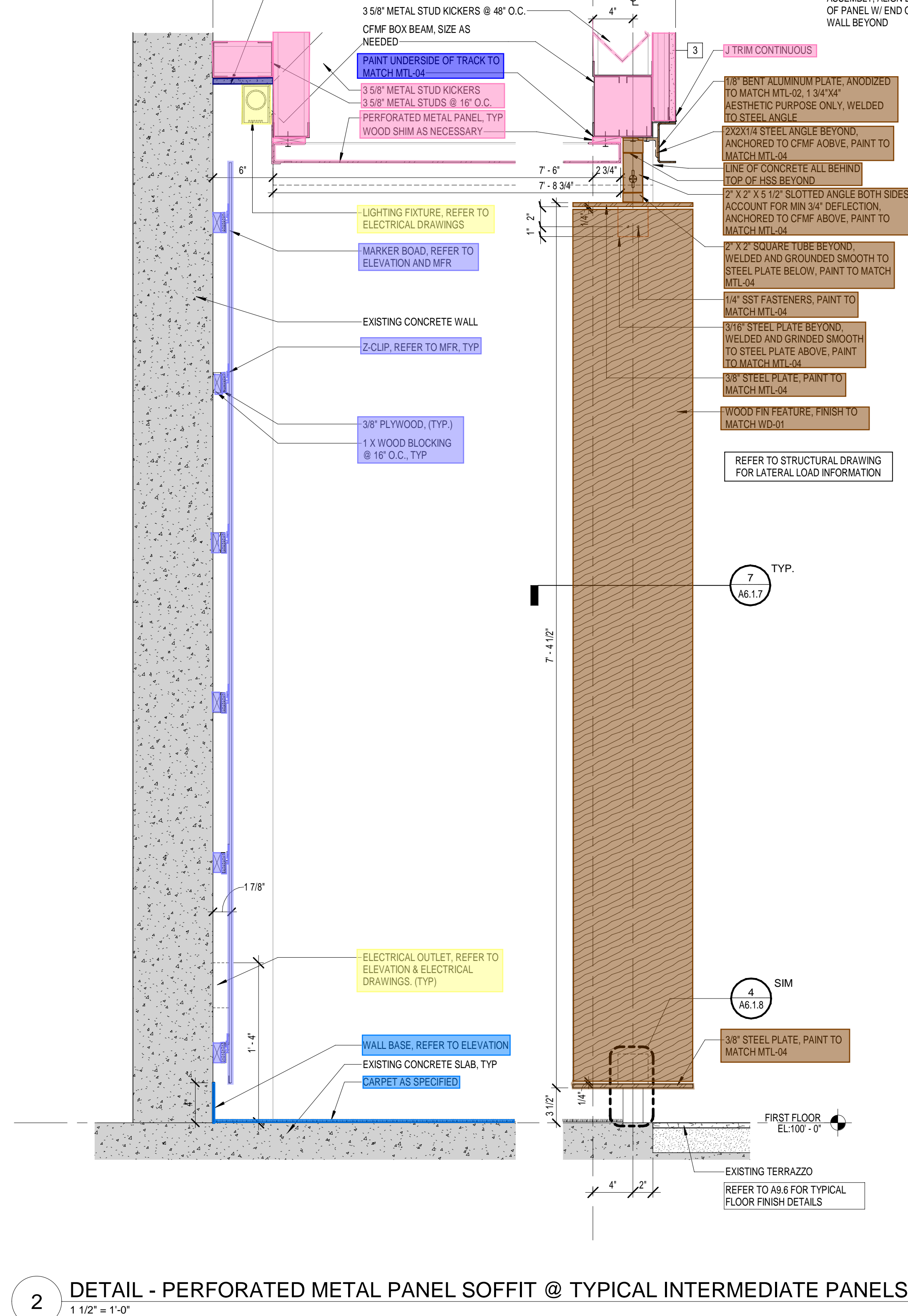
6 DETAIL - BENCH @ RM 113
1 1/2" = 1'-0"



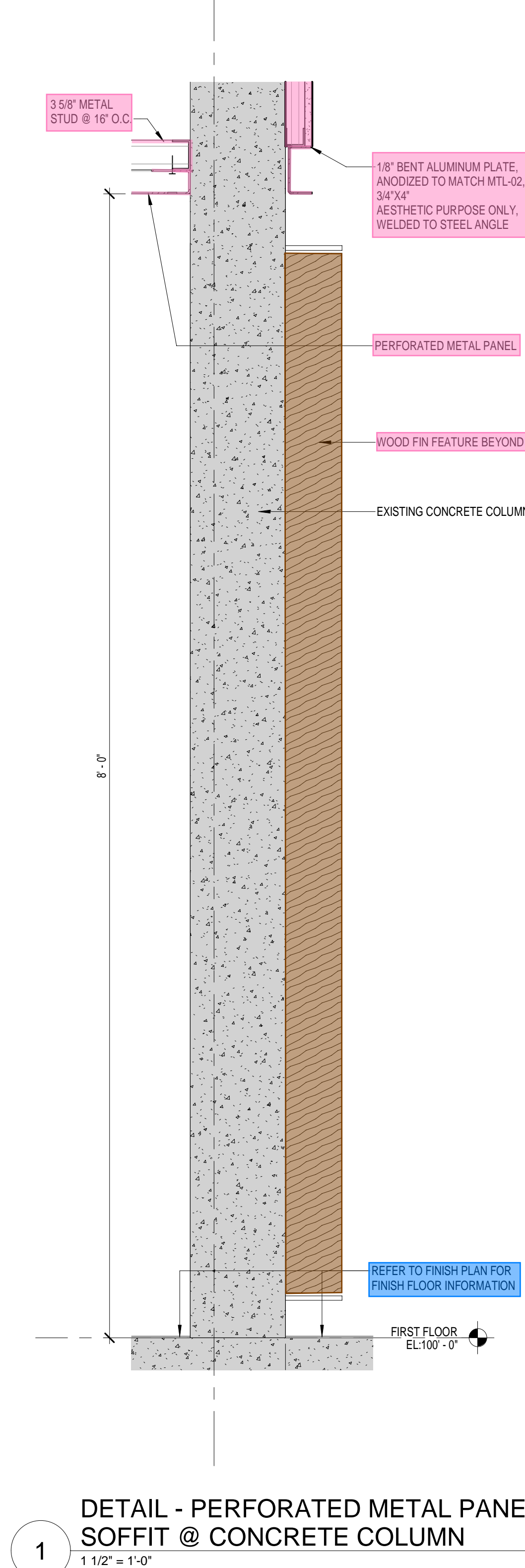
5 DETAIL - PERFORATED METAL PANEL SOFFIT TO SSM TRANSITION
1 1/2" = 1'-0"



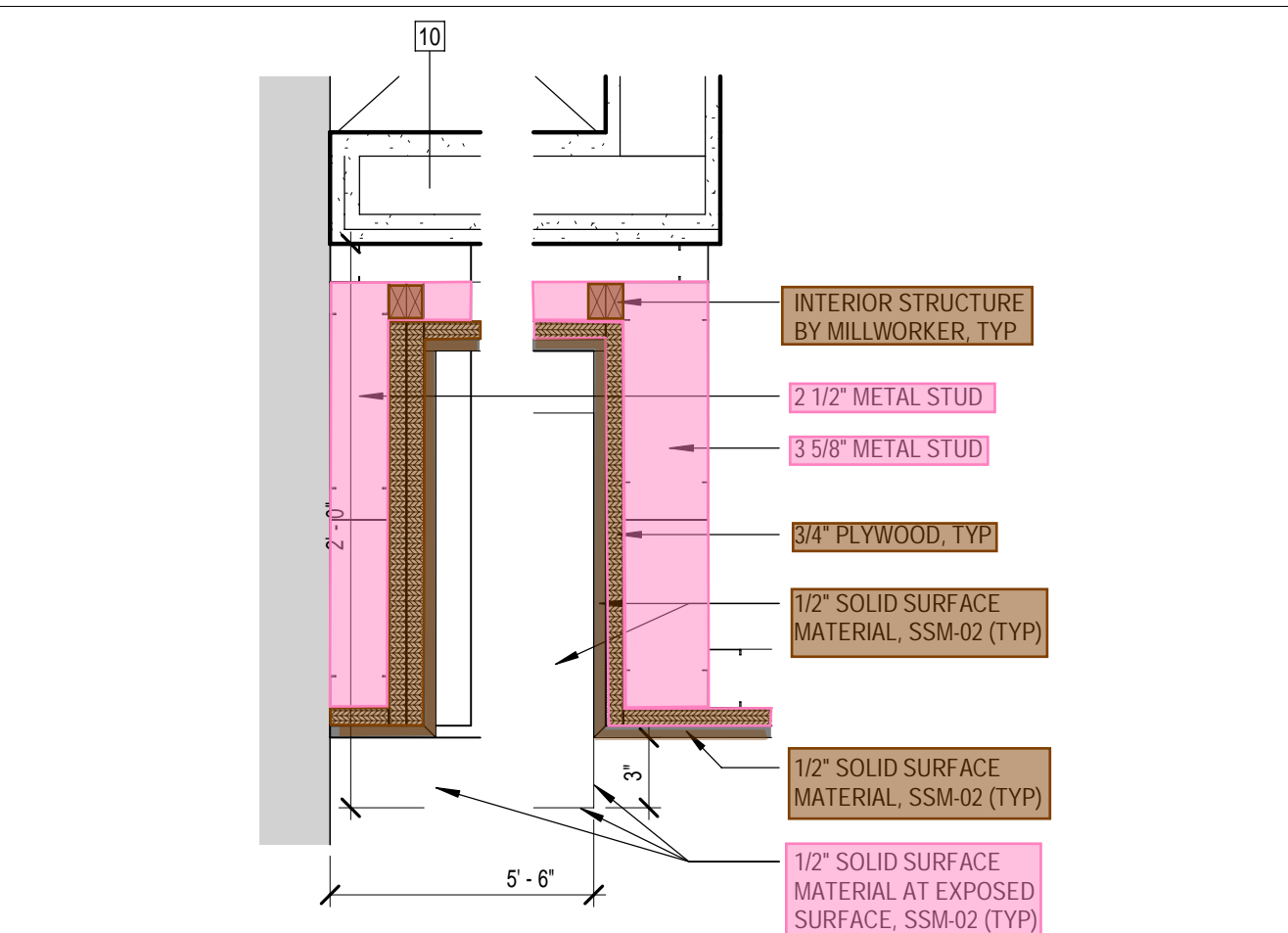
3 DETAIL - PERFORATED METAL PANEL SOFFIT TO CONC WALL TRANSITION
1 1/2" = 1'-0"



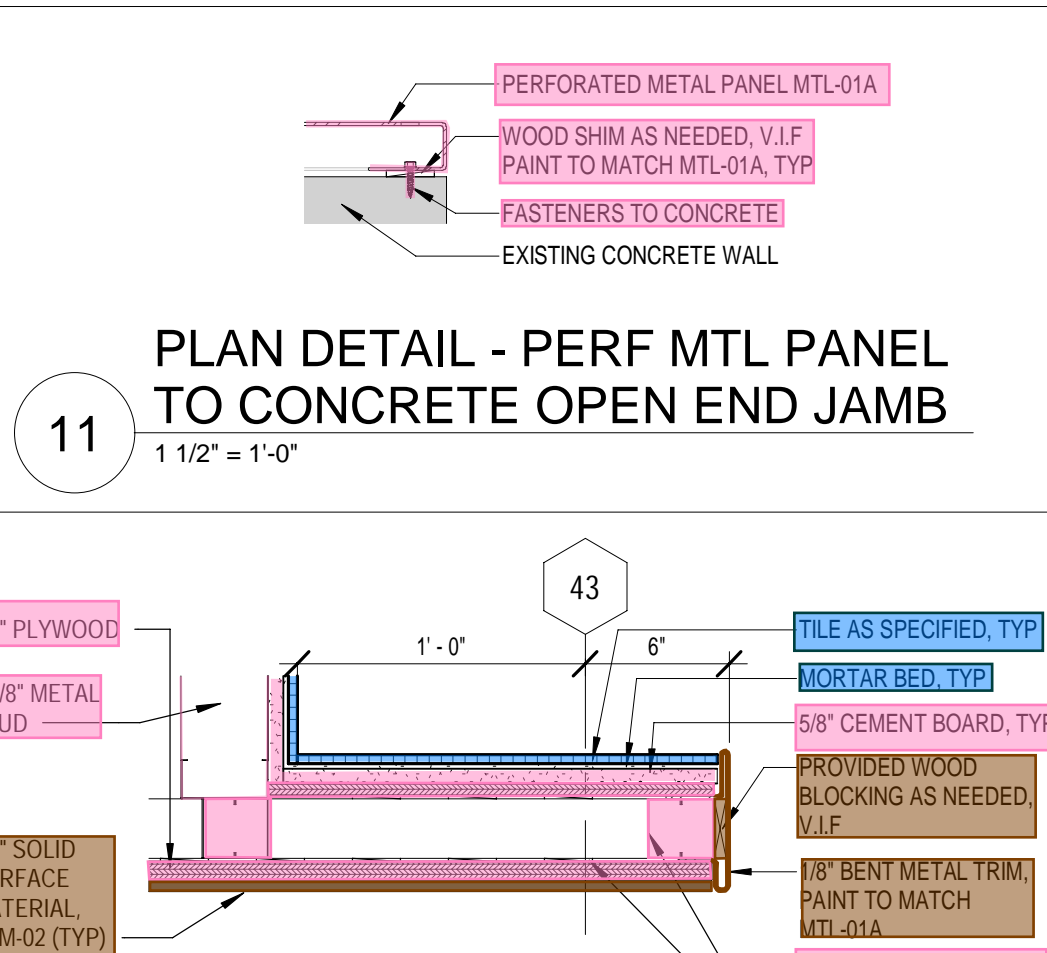
2 DETAIL - PERFORATED METAL PANEL SOFFIT @ TYPICAL INTERMEDIATE PANELS
1 1/2" = 1'-0"



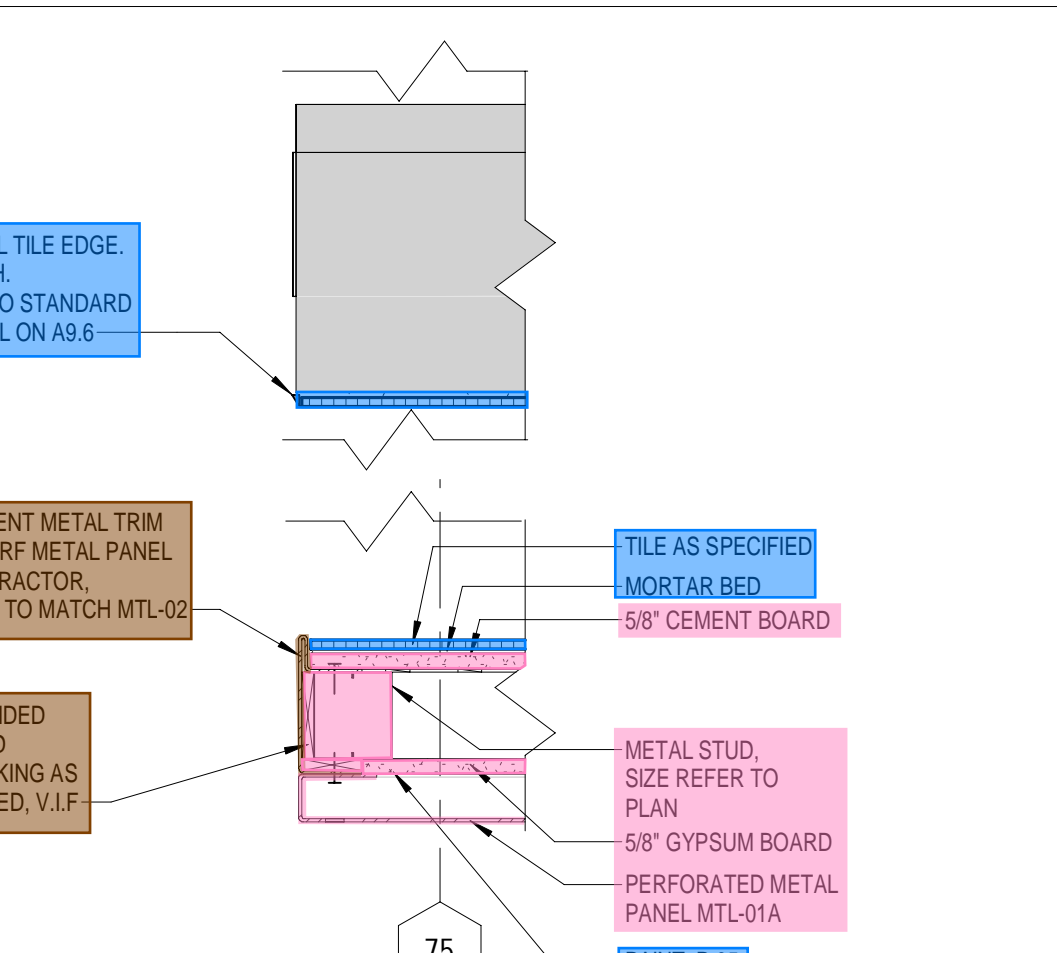
1 DETAIL - PERFORATED METAL PANEL SOFFIT @ CONCRETE COLUMN
1 1/2" = 1'-0"



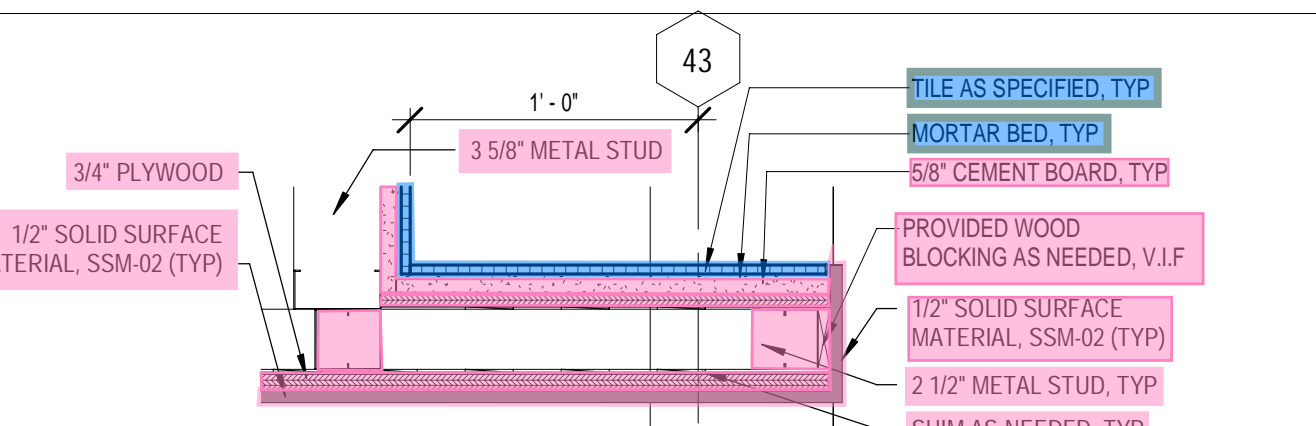
14 PLAN DETAIL - RM 113 BENCH END
1 1/2" = 1'-0"



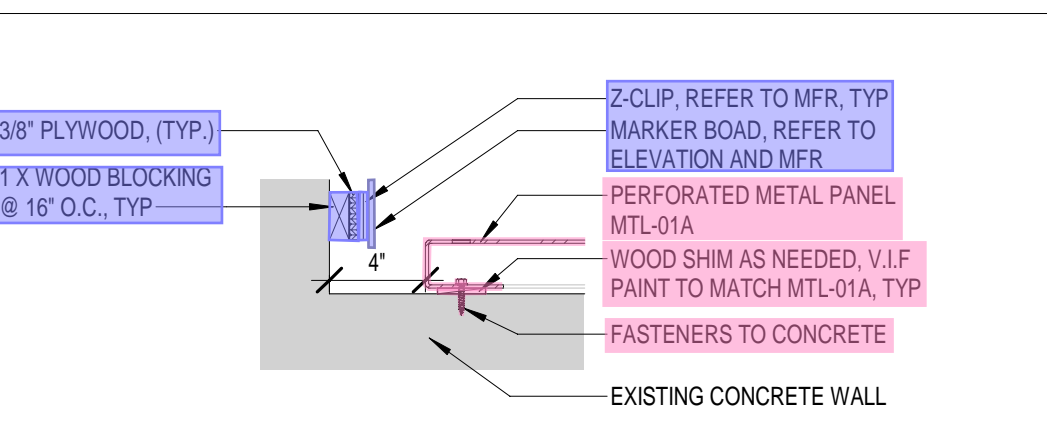
11 PLAN DETAIL - PERF MTL PANEL TO CONCRETE OPEN END JAMB
1 1/2" = 1'-0"



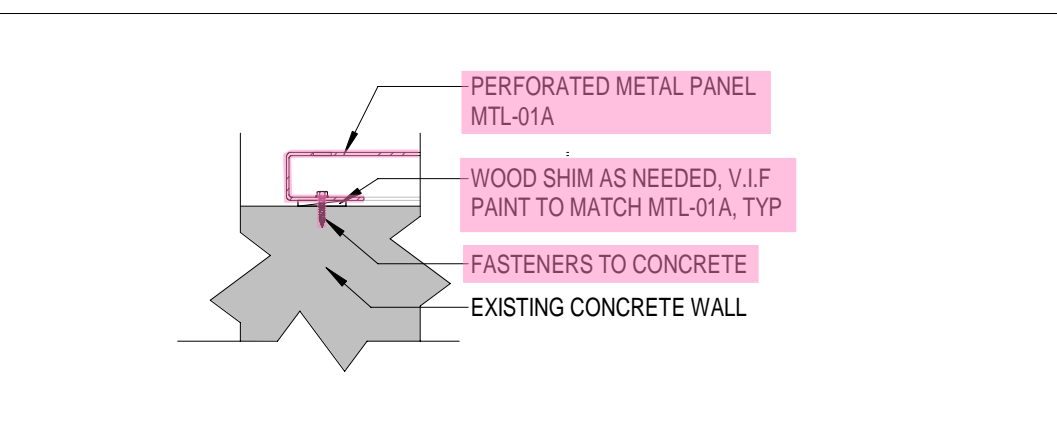
9 PLAN DETAIL - RM 147 TILE WALL JAMB2
1 1/2" = 1'-0"



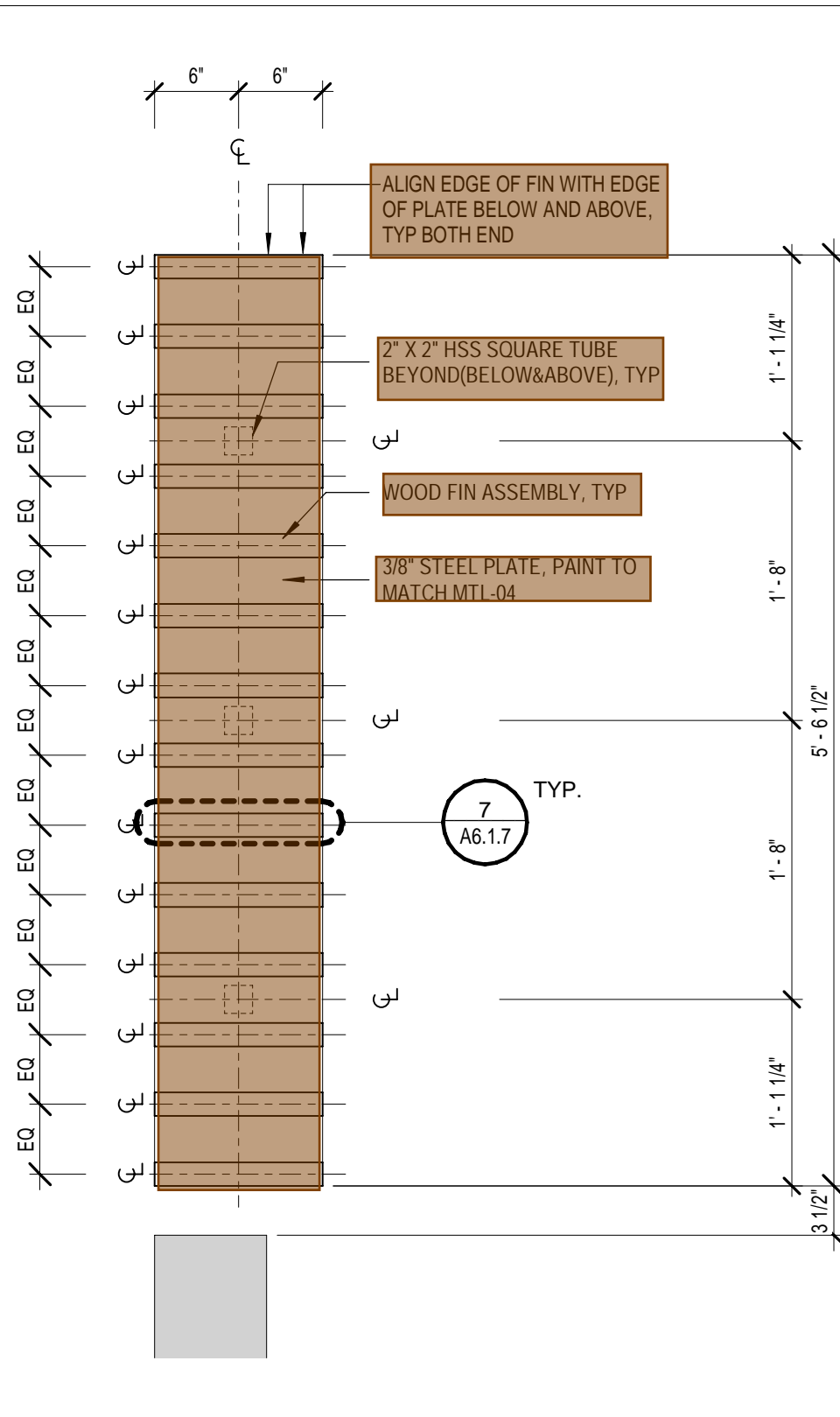
15 PLAN DETAIL - WALL END TRIM
1 1/2" = 1'-0"



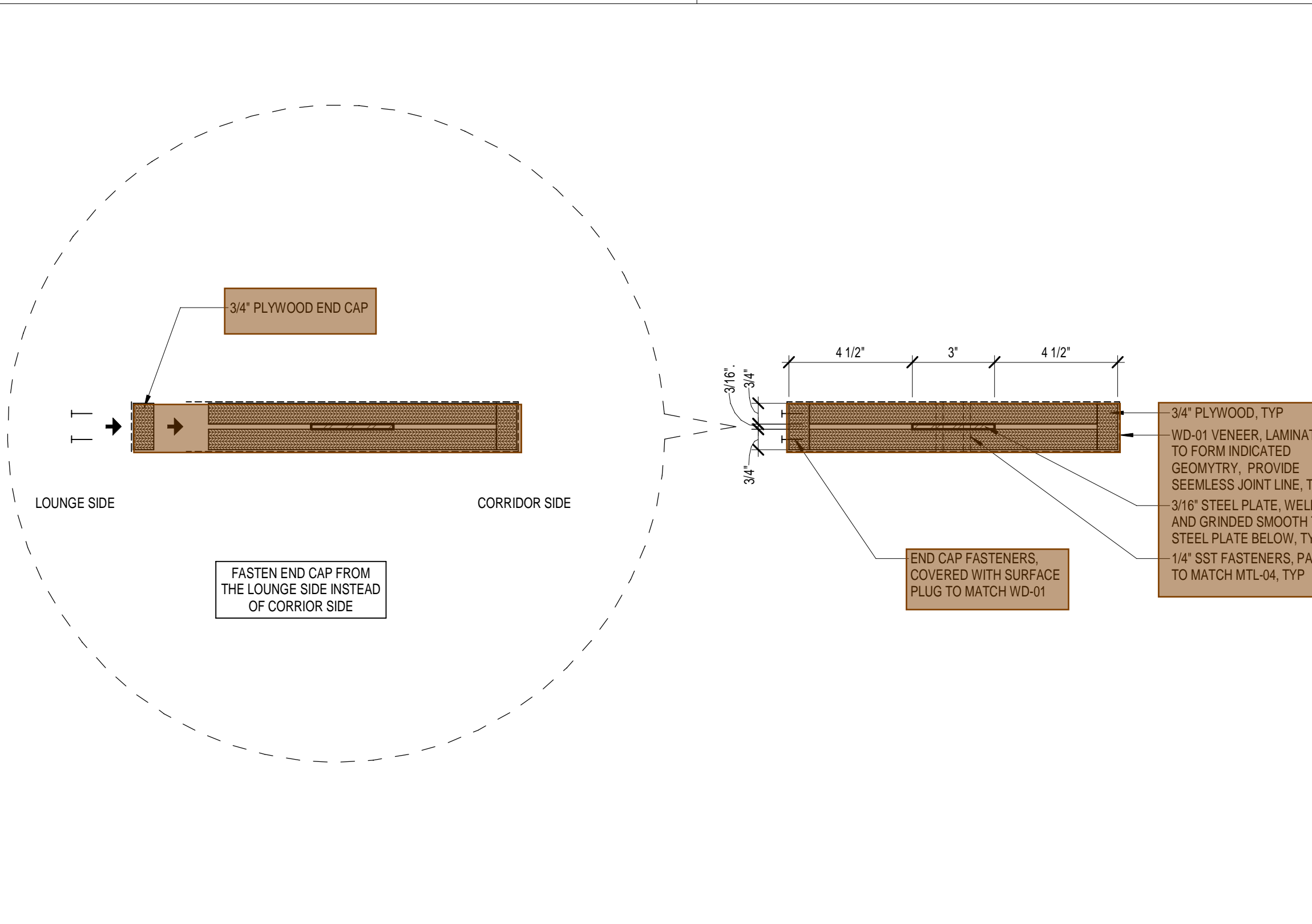
13 PLAN DETAIL
1 1/2" = 1'-0"



10 PLAN DETAIL
1 1/2" = 1'-0"



8 PLAN DETAIL - WOOD FIN S
1" = 1'-0"



7 PLAN DETAIL - WOOD FIN ASSEMBLY
3" = 1'-0"

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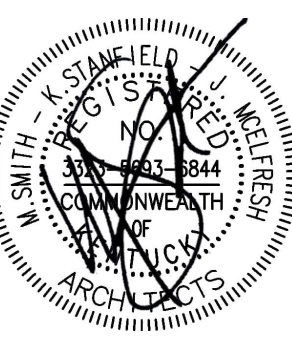
Exhibit T Scope Detail Sheet



Scope Binding

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UNIVERSITY OF KENTUCKY

WHITE HALL RENOVATION

LEXINGTON, KENTUCKY

INTERIOR DETAILS - MICRO
MARKET & COLLABORATION
SPACES

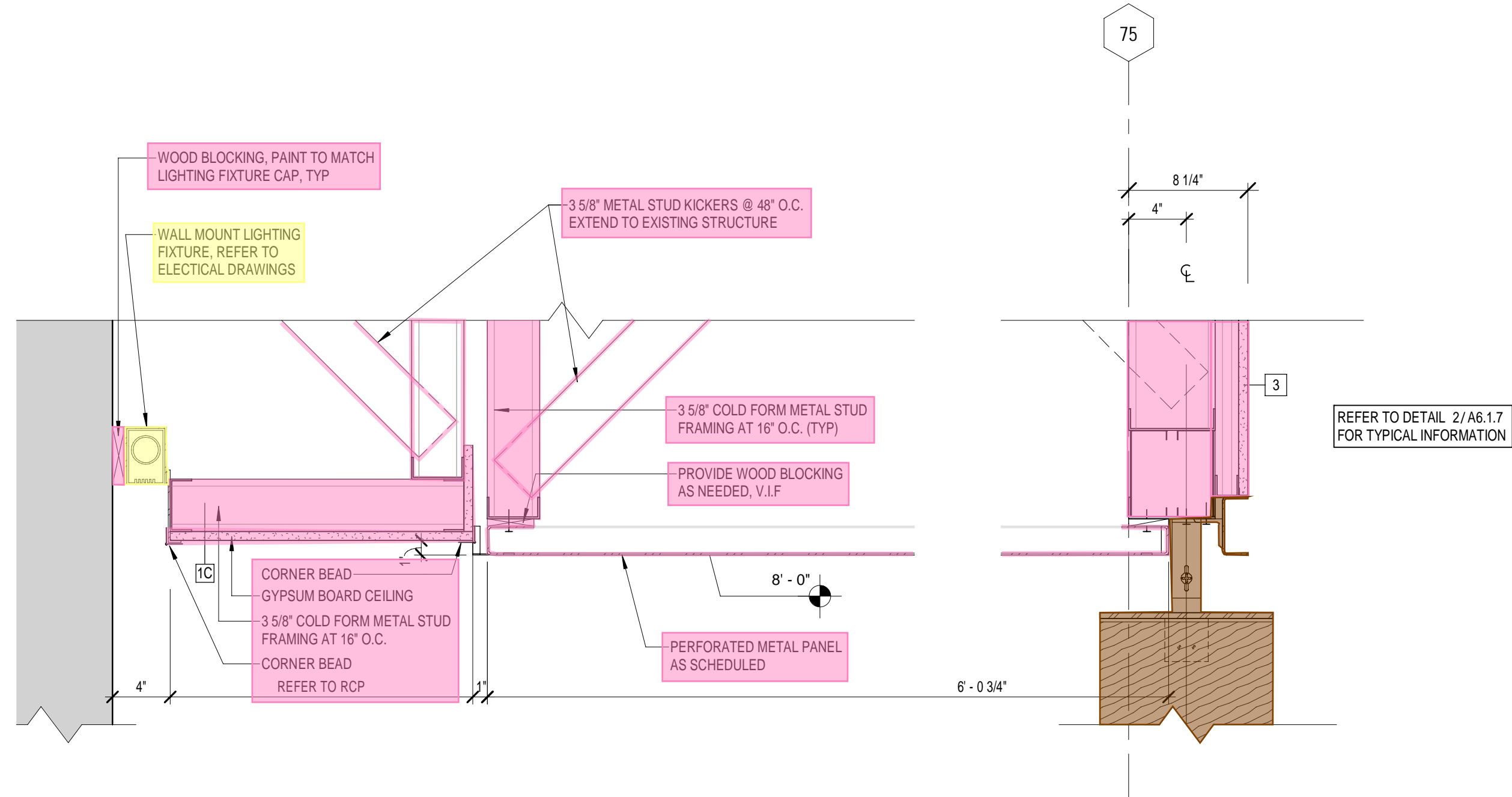
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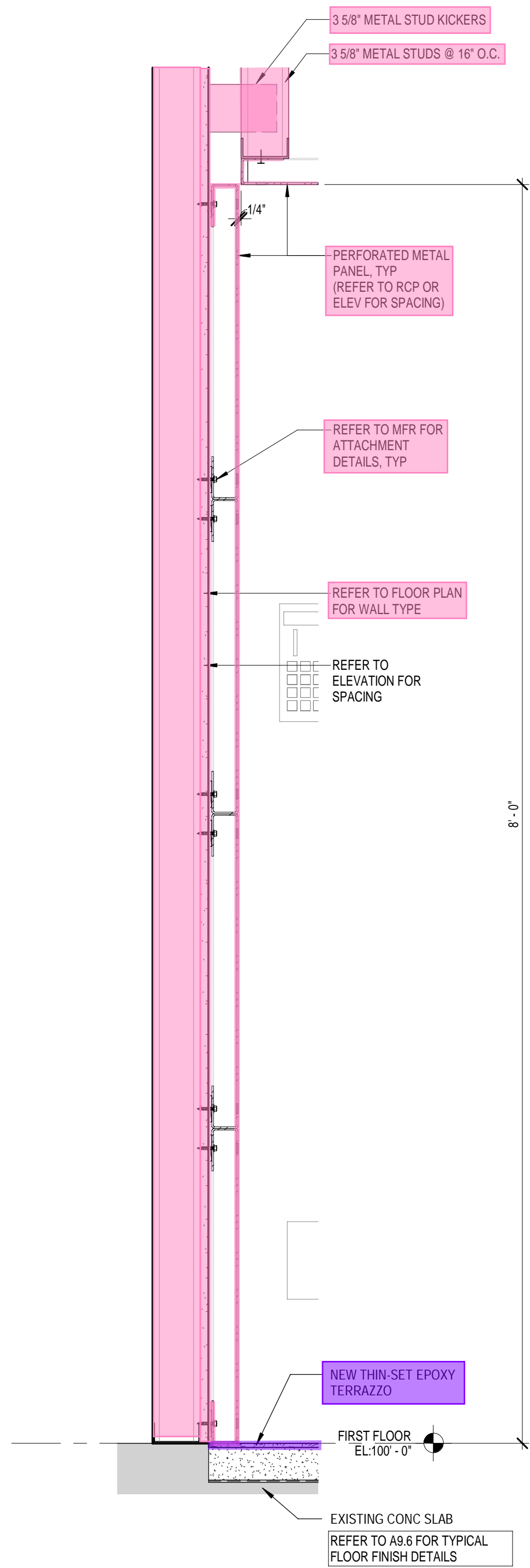
SHEET

A6.1.8



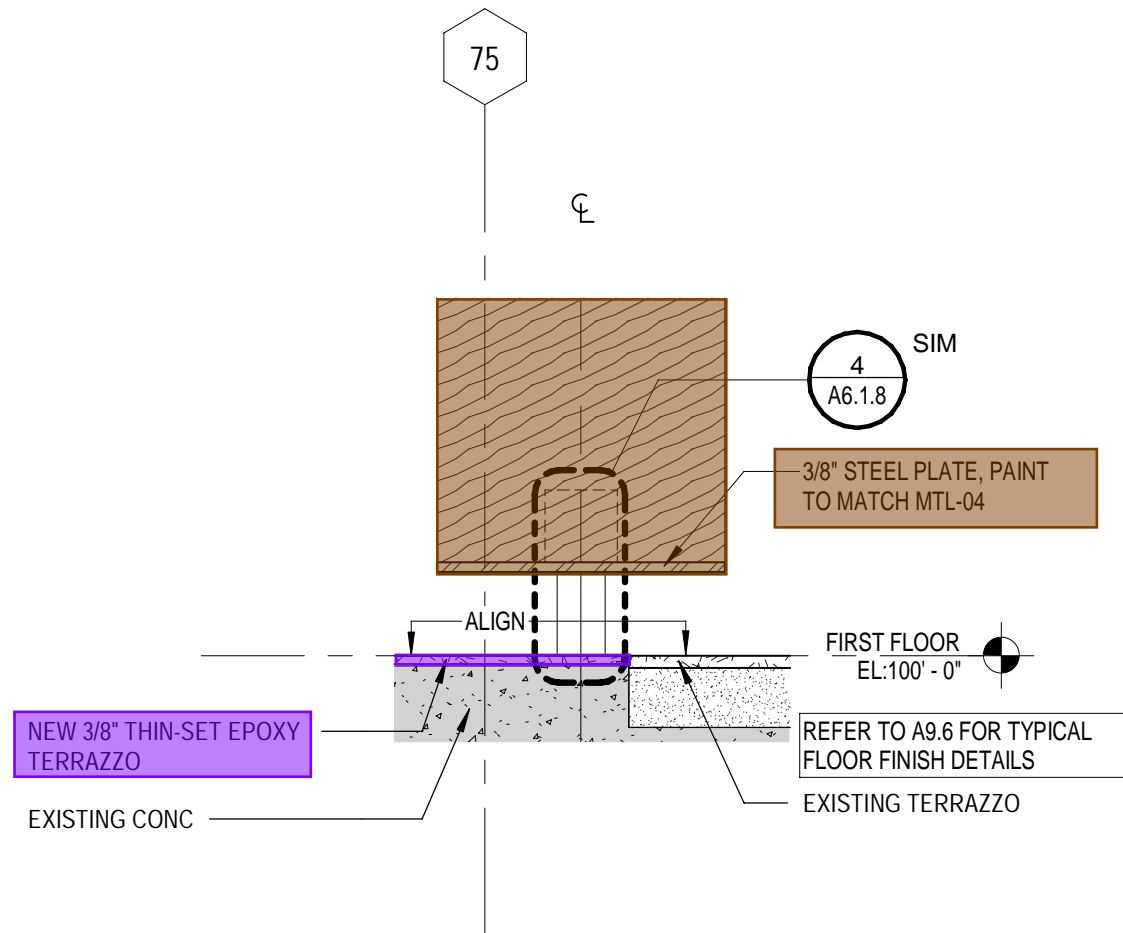
SECTION DETAIL - RM 147
PERF METAL CEILING

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



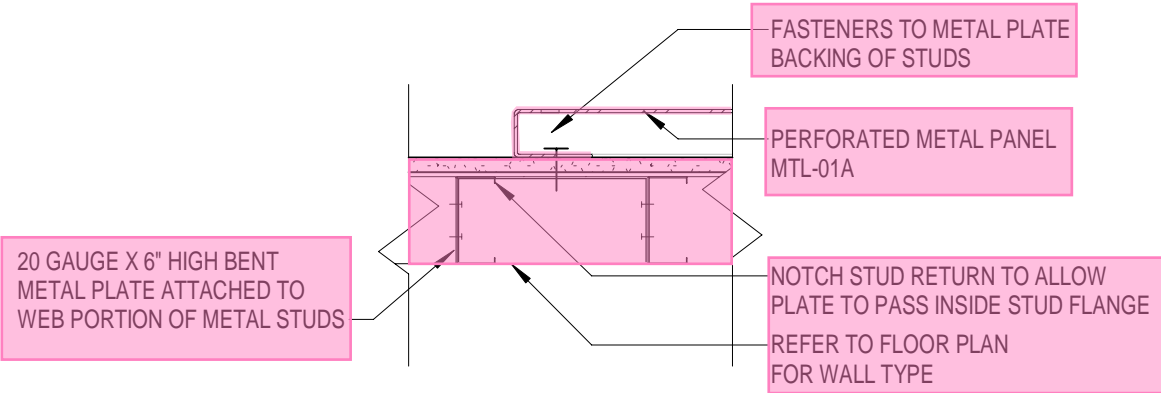
DETAIL - PERFORATED METAL PANEL SOFFIT
TO GYP WALL TRANSITION

5
1 1/2" = 1'-0"



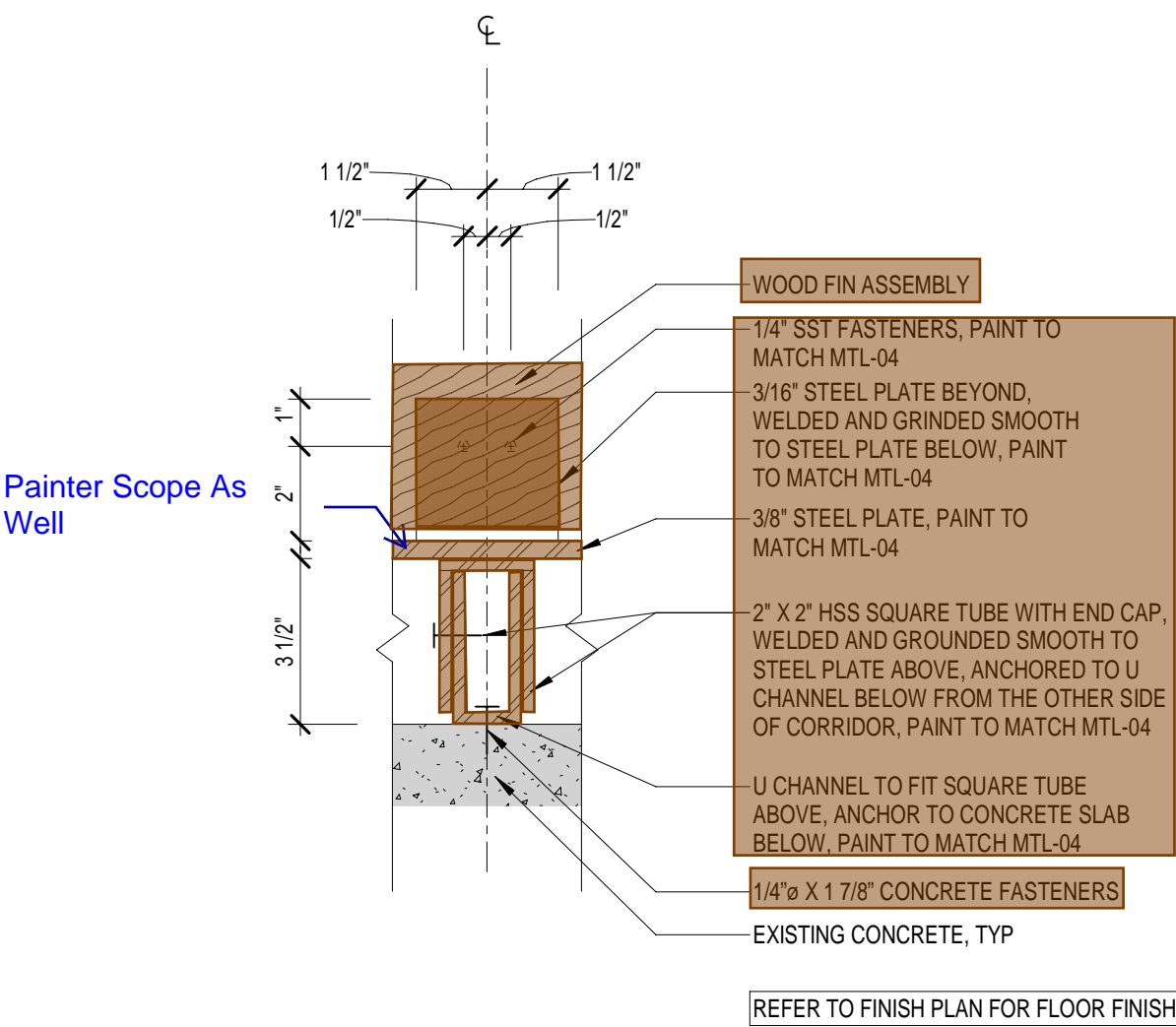
SECTION DETAIL - RM 147
BASE OF WOOD FIN FEATURE

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



PLAN DETAIL - TYP PERF MTL PANEL
TO GYP WALL

3
1 1/2" = 1'-0"



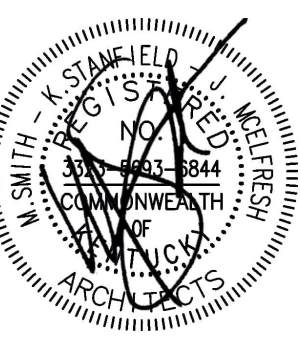
SECTION DETAIL WOOD FIN ASSEMBLY BASE

4
3" = 1'-0"

Exhibit T Scope Detail Sheet

2 SECTION DETAIL - CARVED WOOD HEAD WIP
1 1/2" = 1'-0"

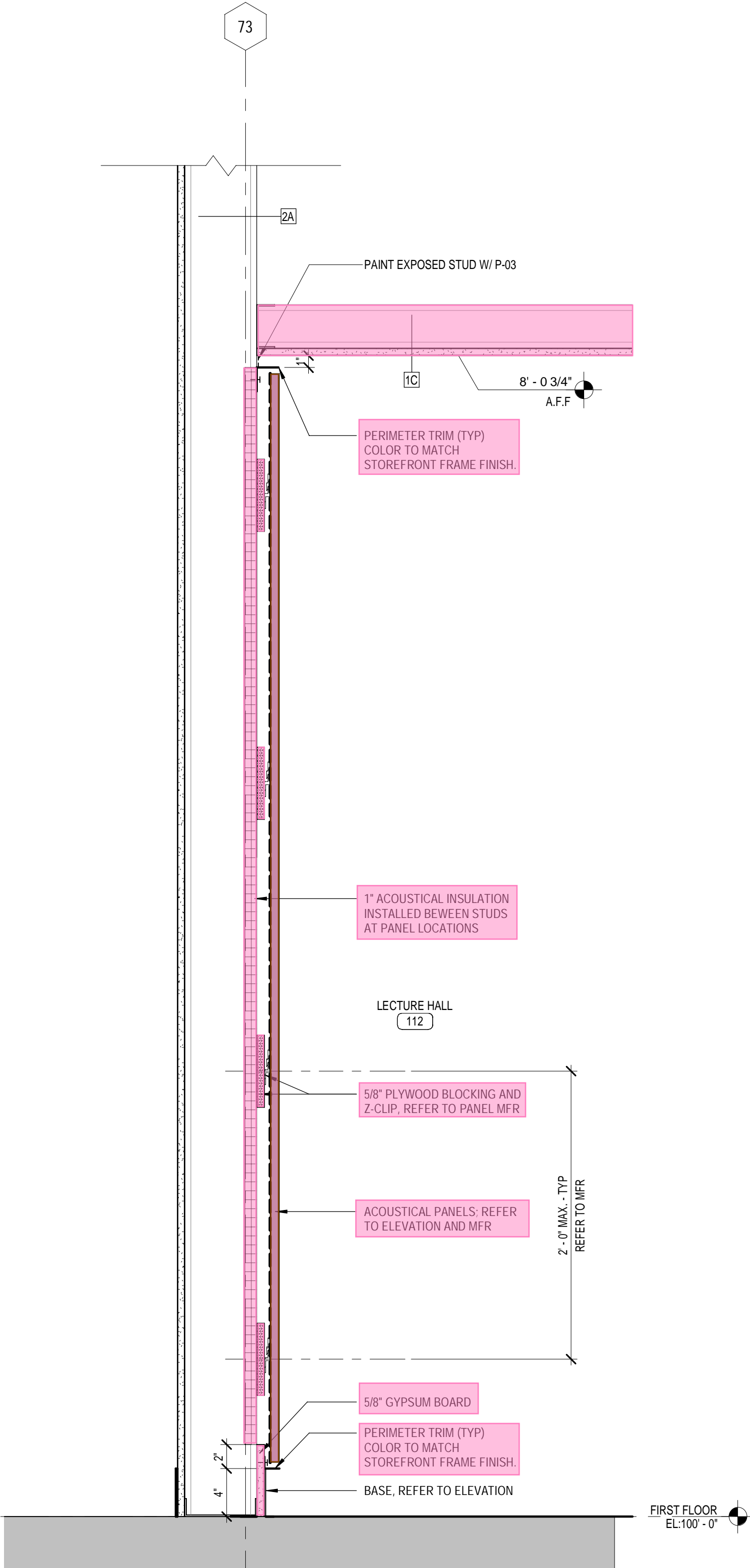
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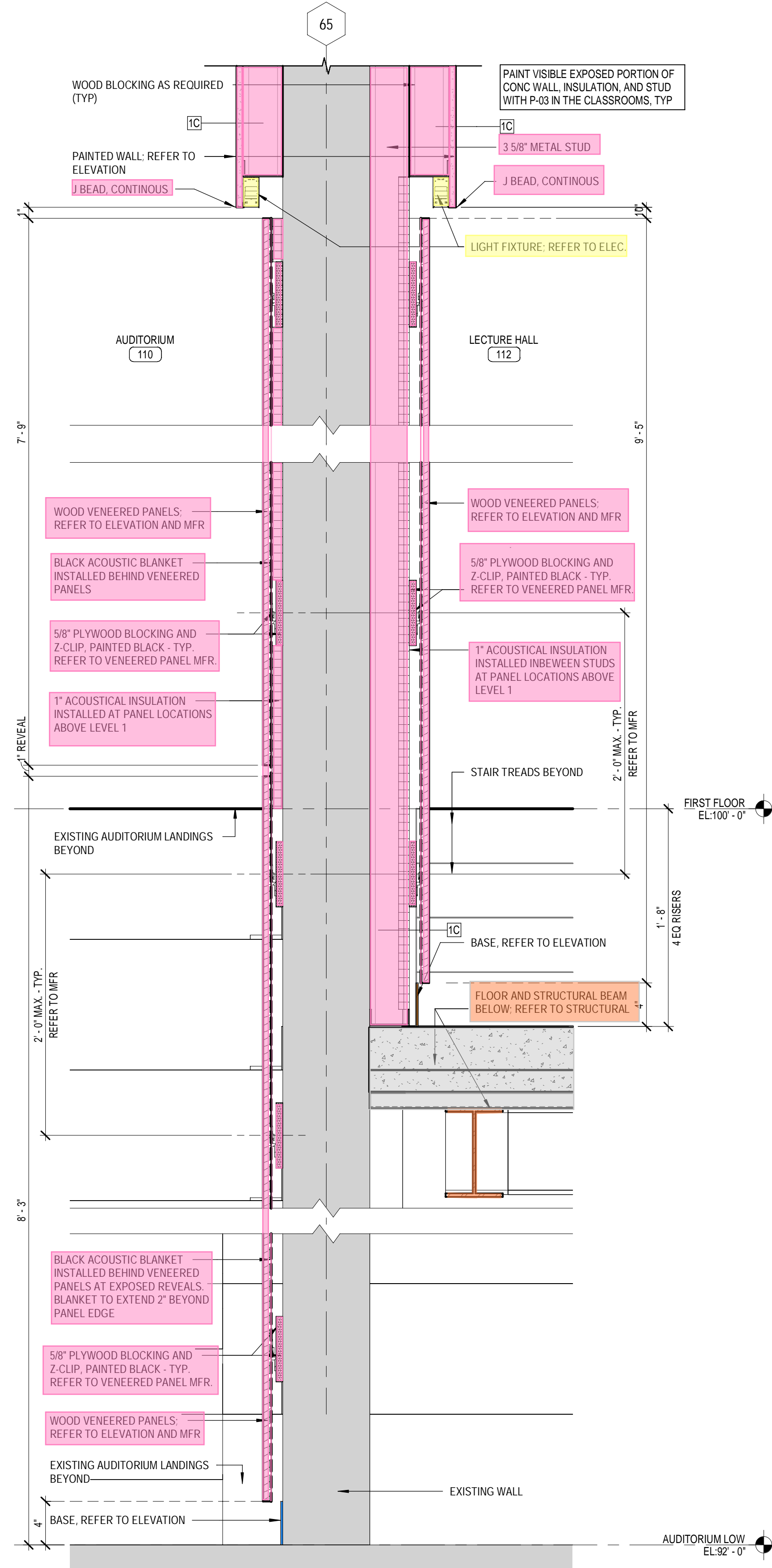
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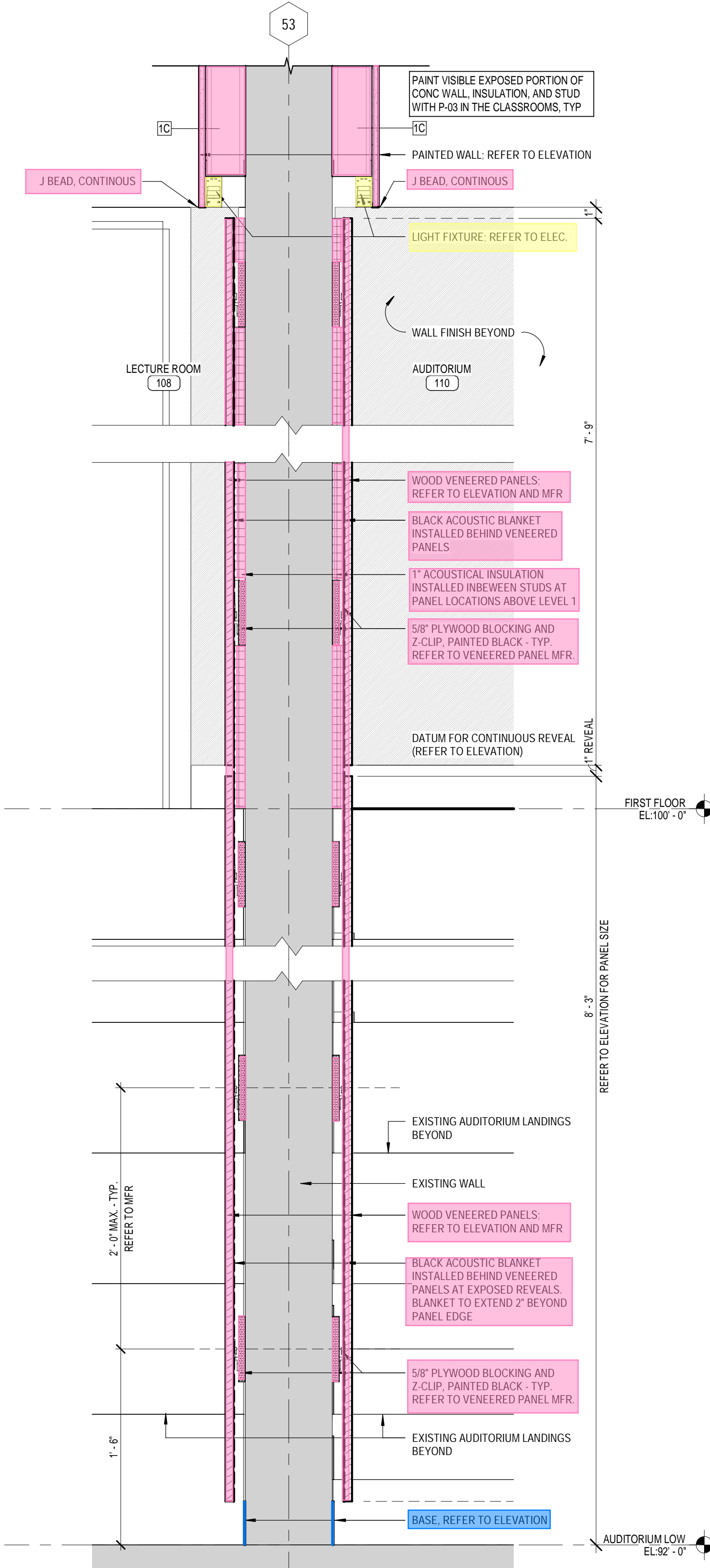
4 SECTION DETAIL - ACOUSTICAL WALL PANEL
1 1/2" = 1'-0"



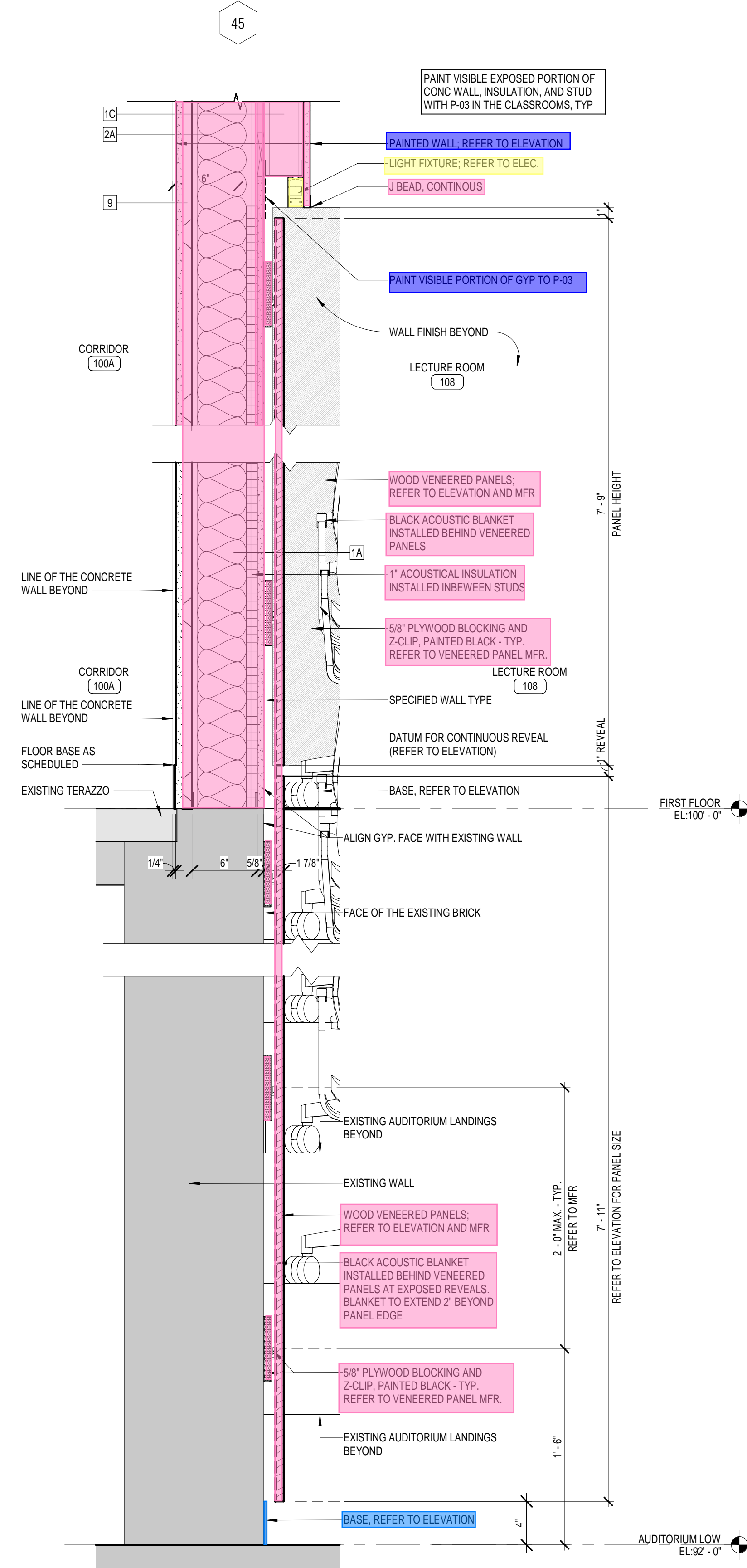
3 SECTION DETAIL - LECTURE ROOM & HORSESHOE WOOD WALL
1 1/2" = 1'-0"

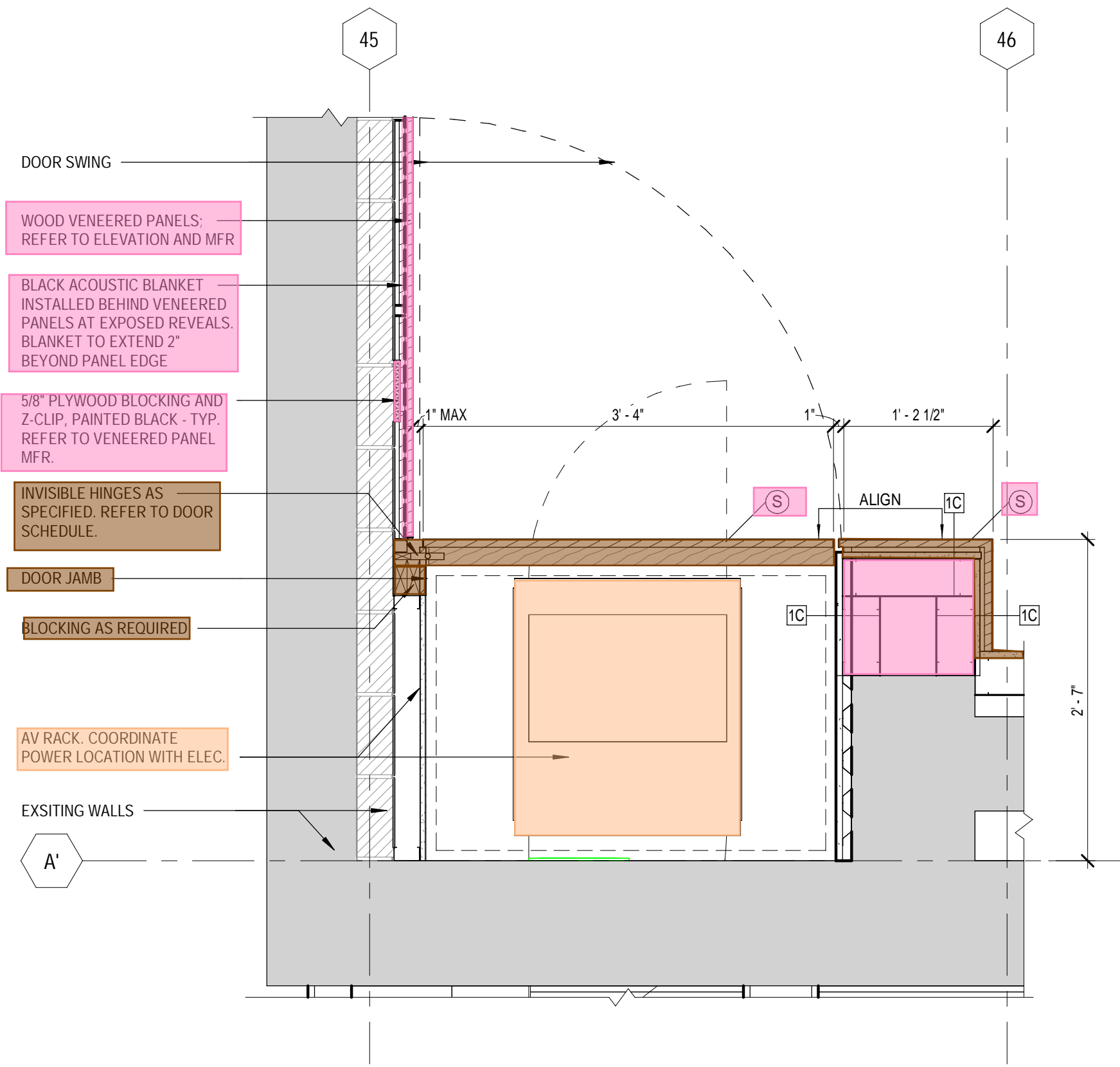


2 SECTION DETAIL - LECTURE ROOM & AUDITORIUM WOOD WALL
1 1/2" = 1'-0"

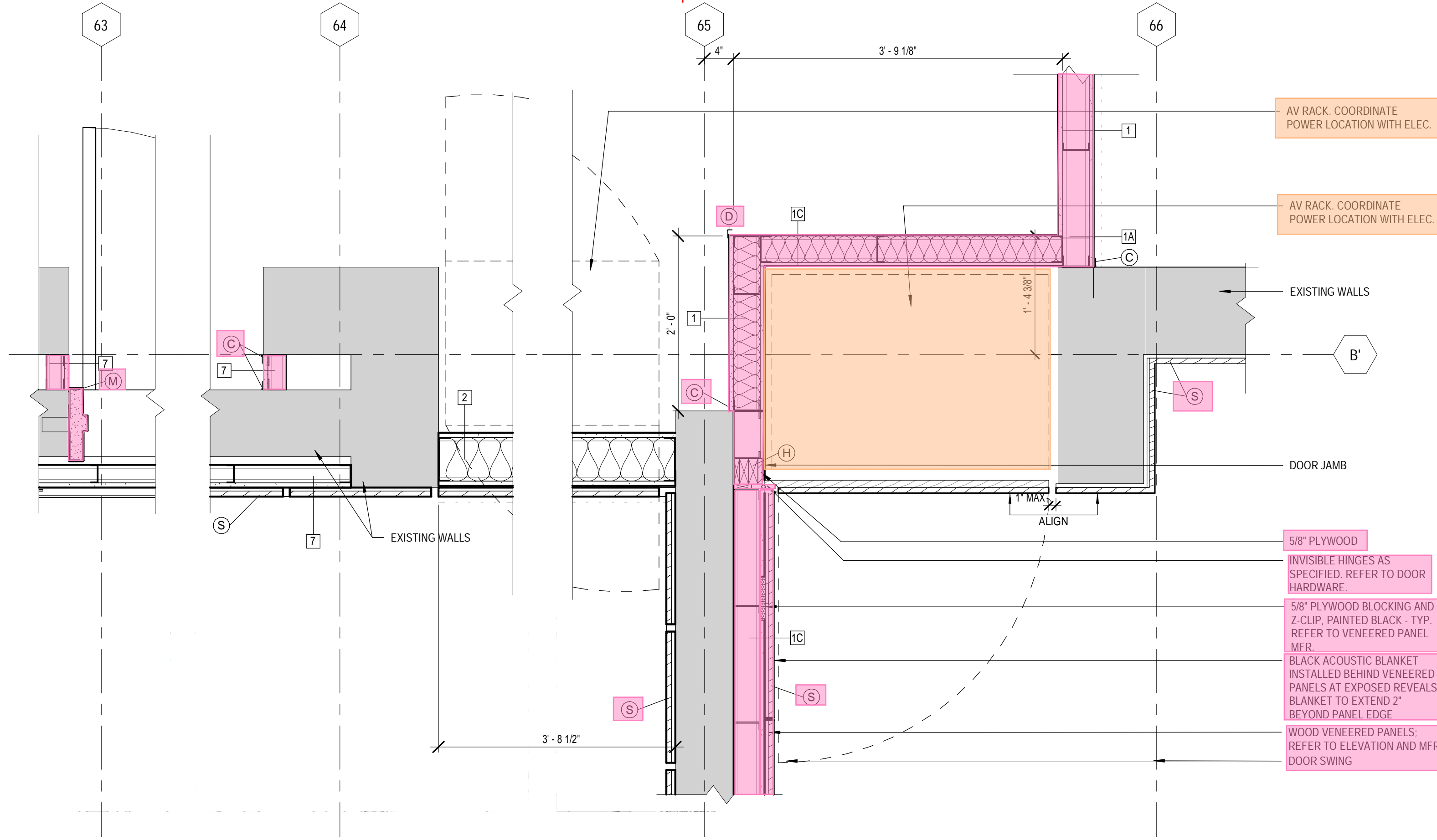


1 SECTION DETAIL - LECTURE ROOM WOOD WALL
1 1/2" = 1'-0"

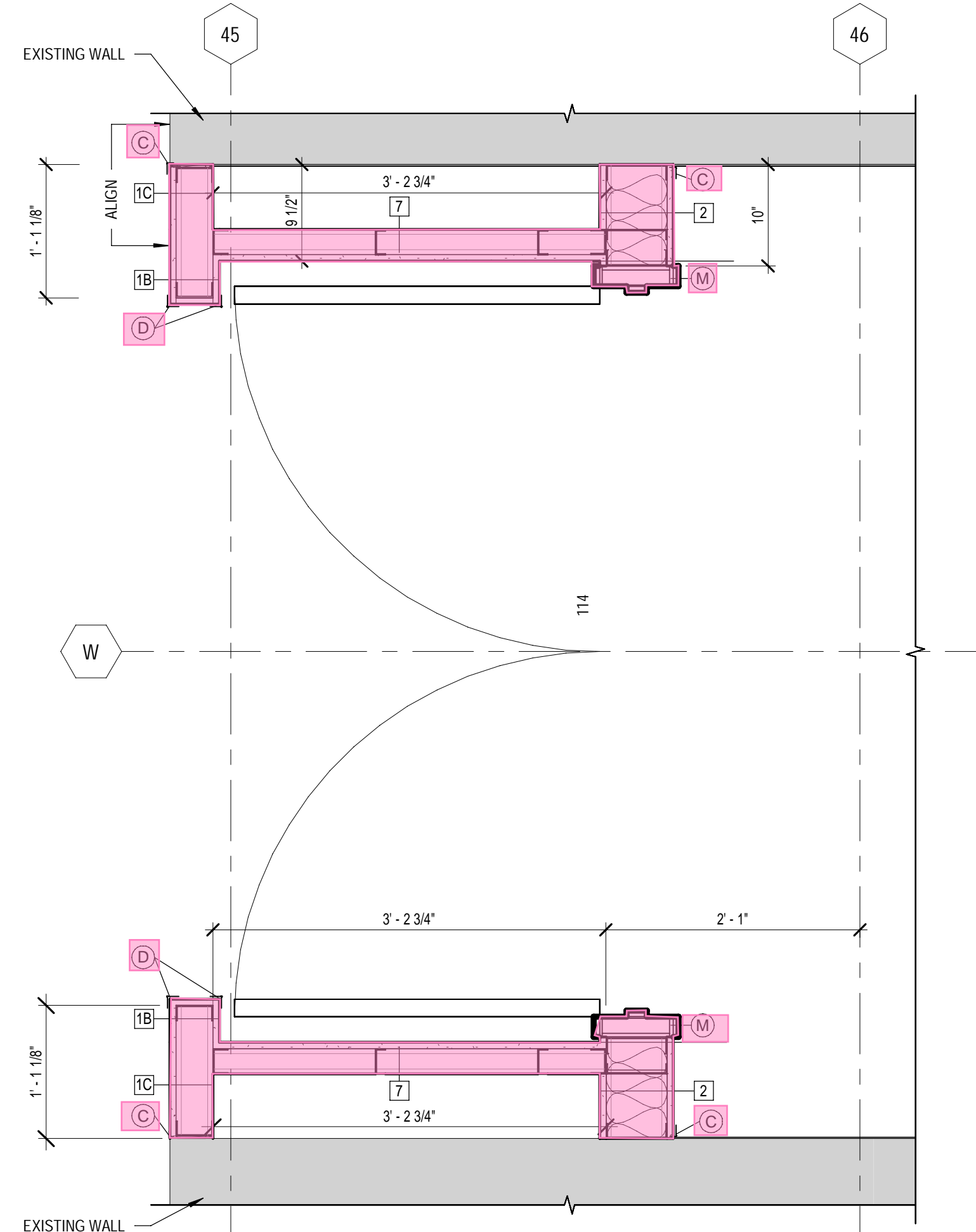




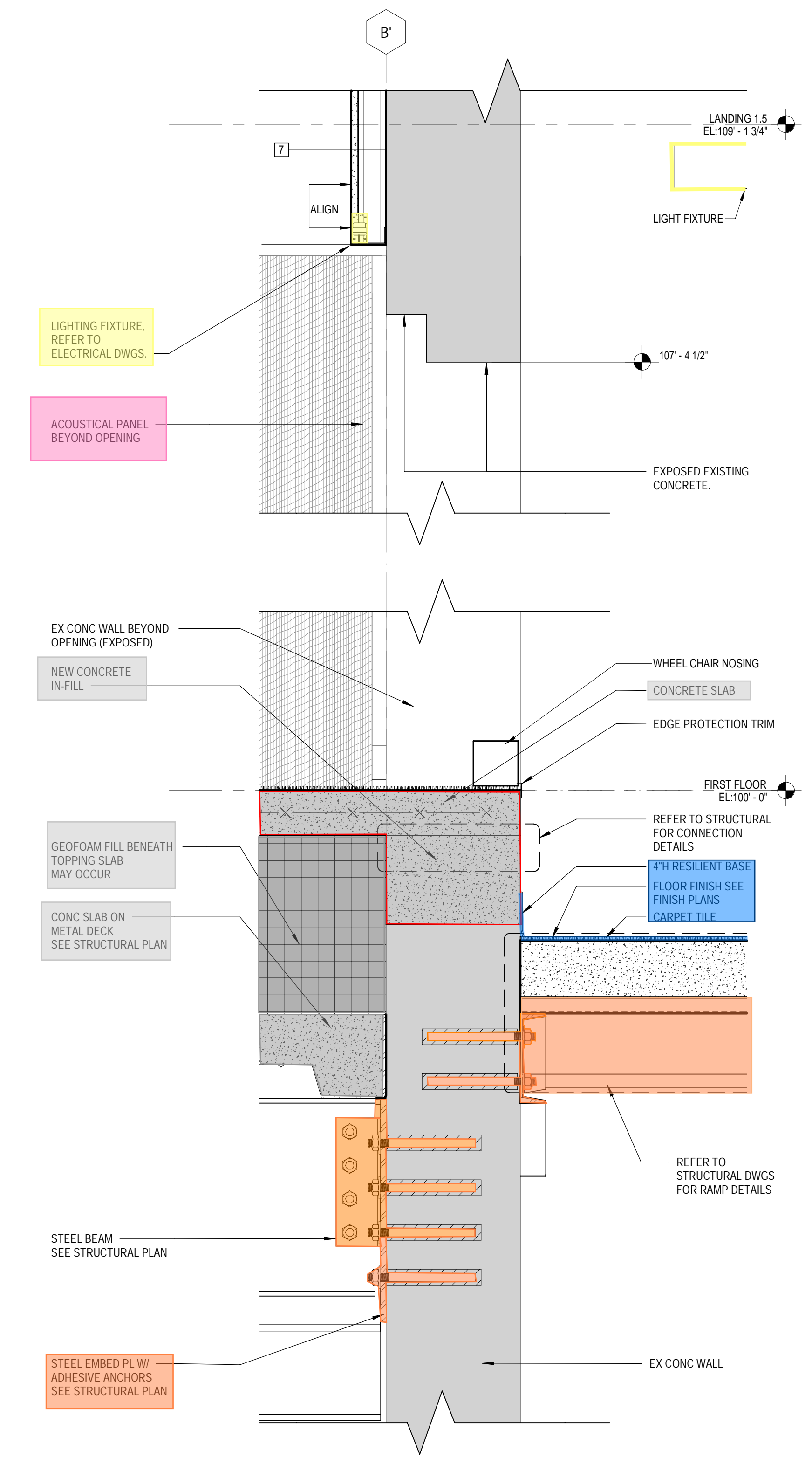
5 PLAN DETAIL - LECTURE ROOM AV CLOSET
1" = 1'-0"



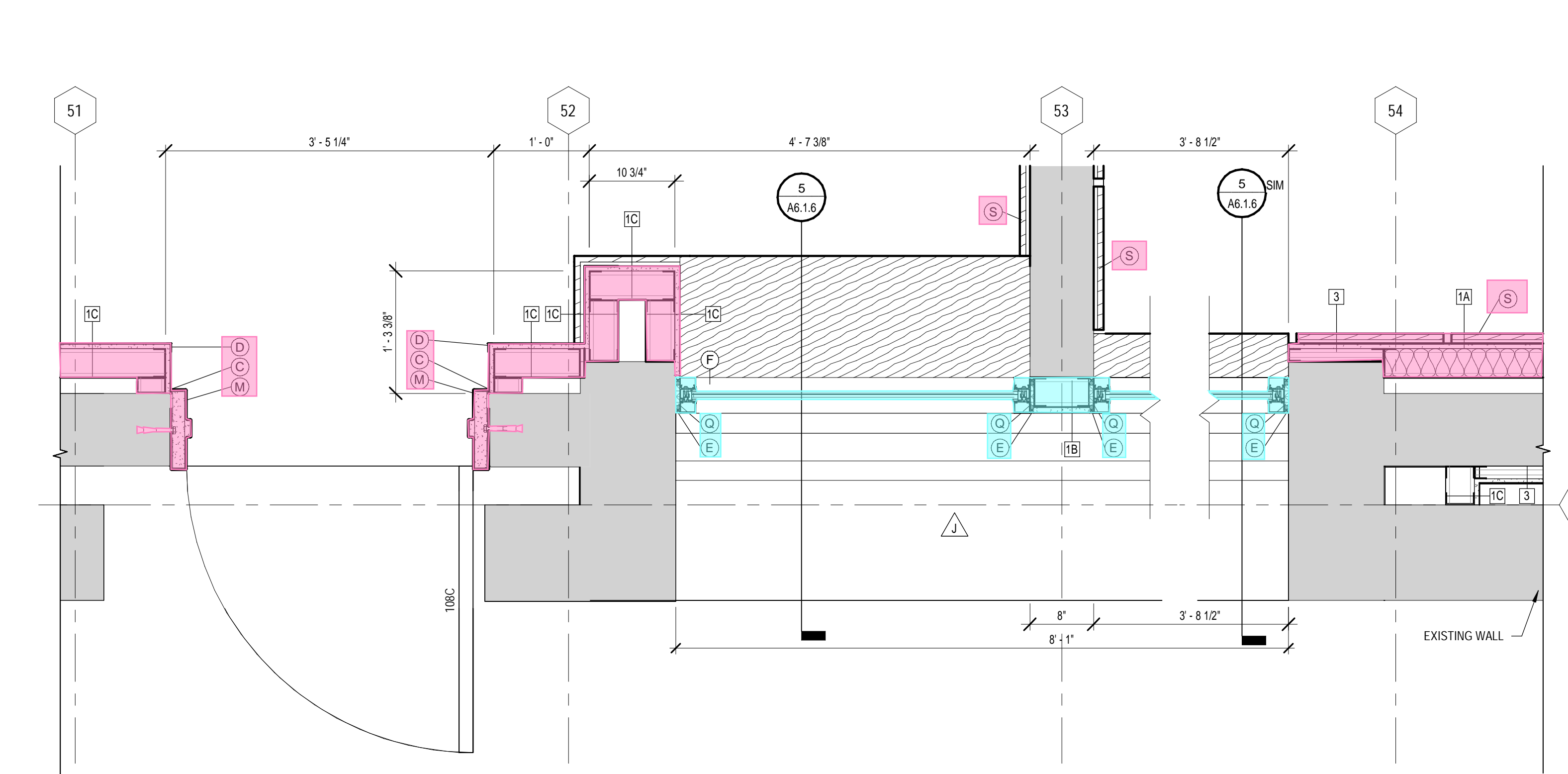
3 PLAN DETAIL
1" = 1'-0"



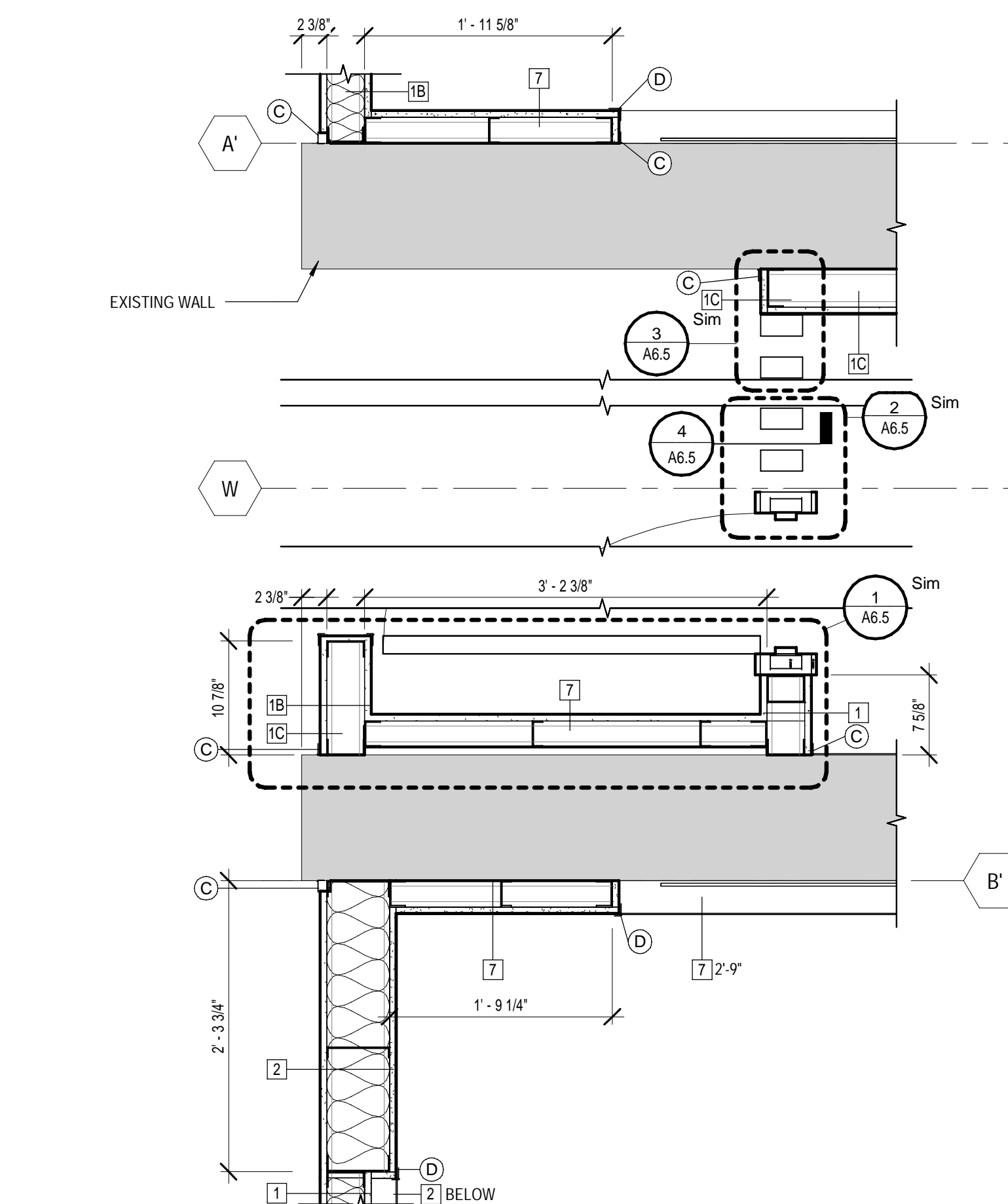
1 PLAN DETAIL- CORRIDOR DOOR
1" = 1'-0"



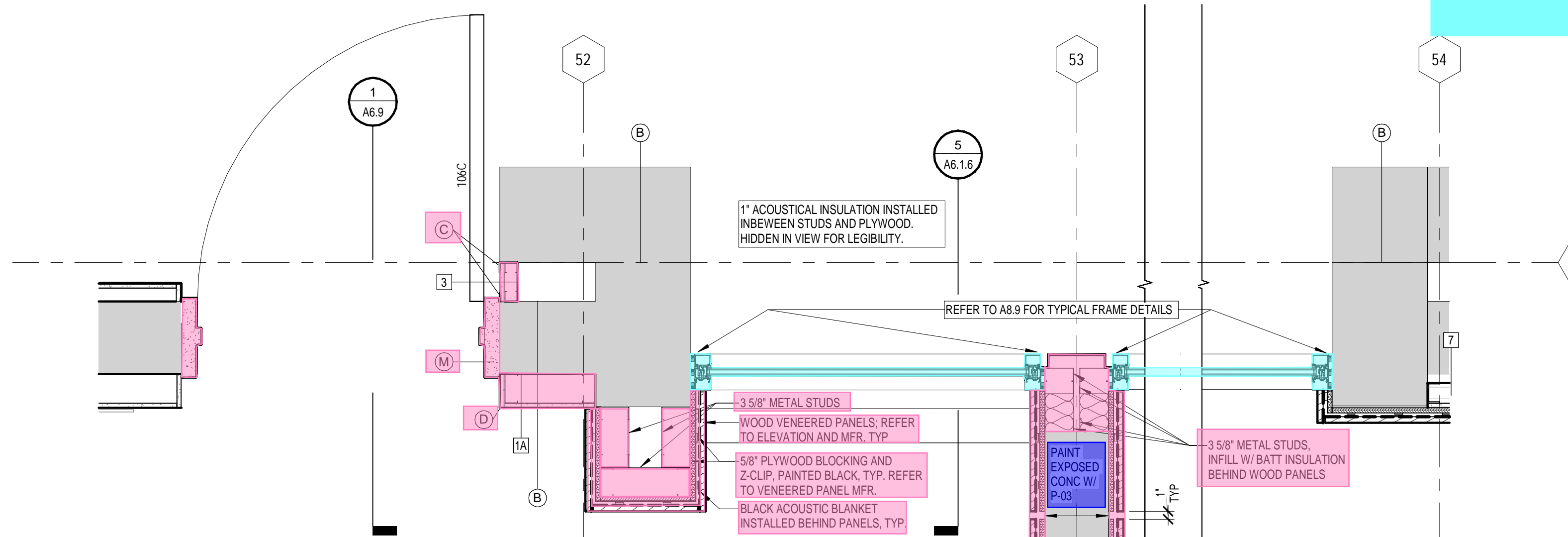
6 SECTION DETAIL - EAST RAMP AT SPINE SPACE
1 1/2" = 1'-0"



4 PLAN DETAIL- SPINE CORRIDOR BENCH
1" = 1'-0"



2 PLAN DETAIL 2 & 3 - SPINE COLLABORATION
1" = 1'-0"



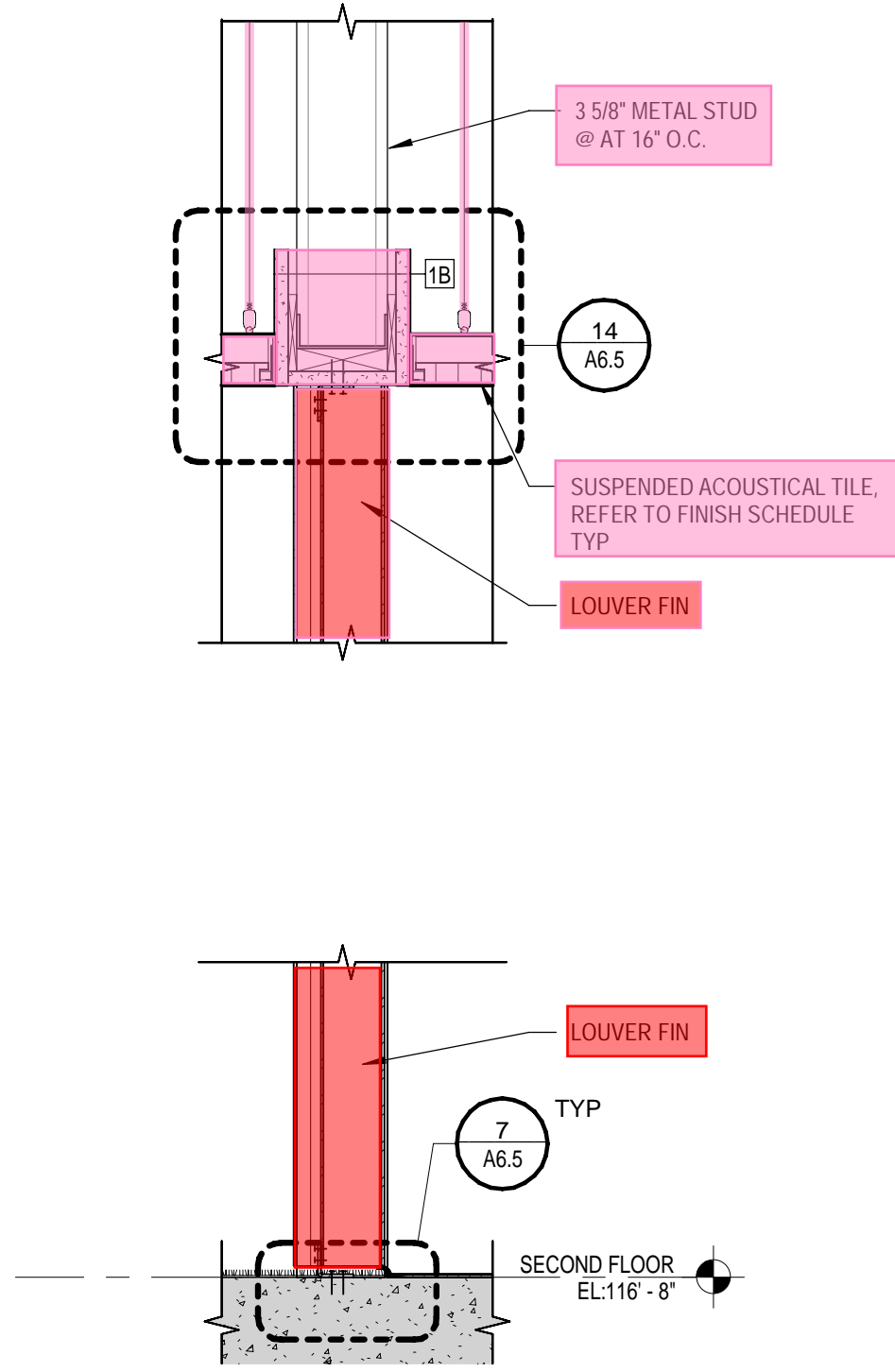
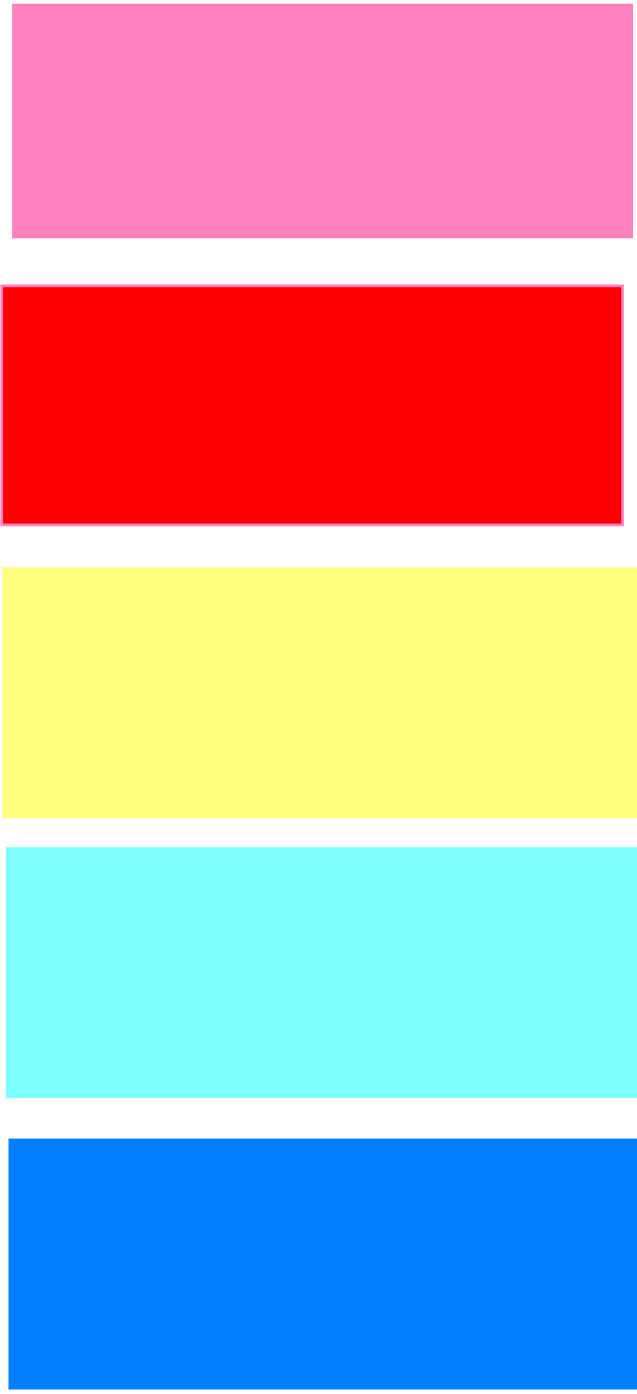
8 PLAN DETAIL LEVEL 1 - DOOR JAMB
1" = 1'-0"

GENERAL COLUMN & WALL DETAIL NOTES

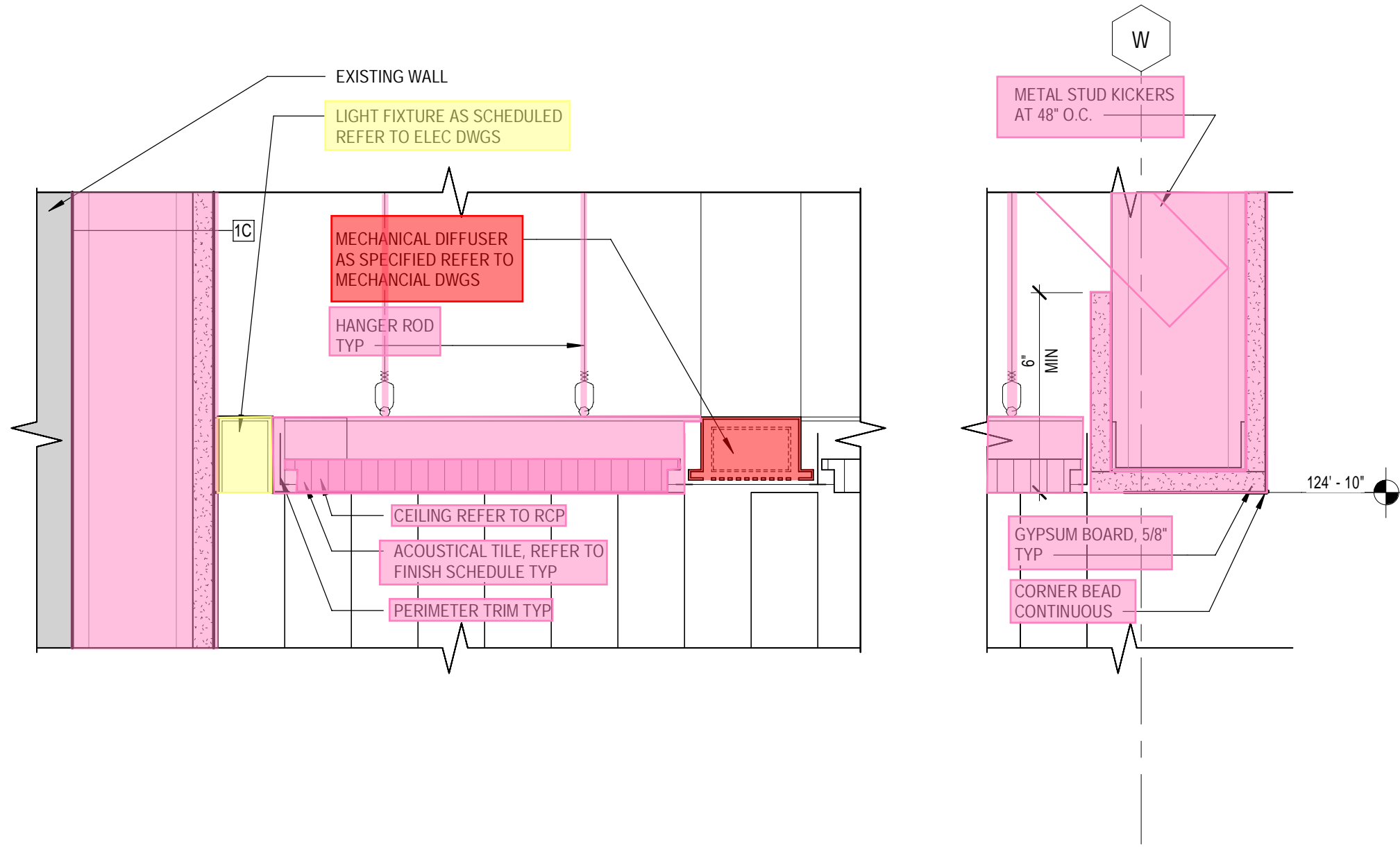
- SEE STRUCTURAL AND ARCHITECTURAL FLOOR PLANS FOR COL. LINES AND DIMENSIONS NOT SPECIFICALLY REFERENCED ON THESE DETAILS.
- FIRE RATED SEALANT IS REQUIRED AT ALL JOINTS IN RATED WALLS.
- DO NOT ANCHOR OR ATTACH ADJACENT MASONRY OR STEEL TO FIREWALL "FB2". DO NOT GROUT ADJACENT CMU TO FIREWALL. PROVIDE FOAM ROD AND SEALANT.
- SAWCUT ALL MASONRY AT STRUCTURAL STEEL AS REQUIRED TO MAINTAIN A 3/8" CLEARANCE BETWEEN MASONRY AND STEEL.
- TAPE AND MUD TYPICAL AT INTERIOR CORNER.

COLUMN AND WALL KEYNOTES

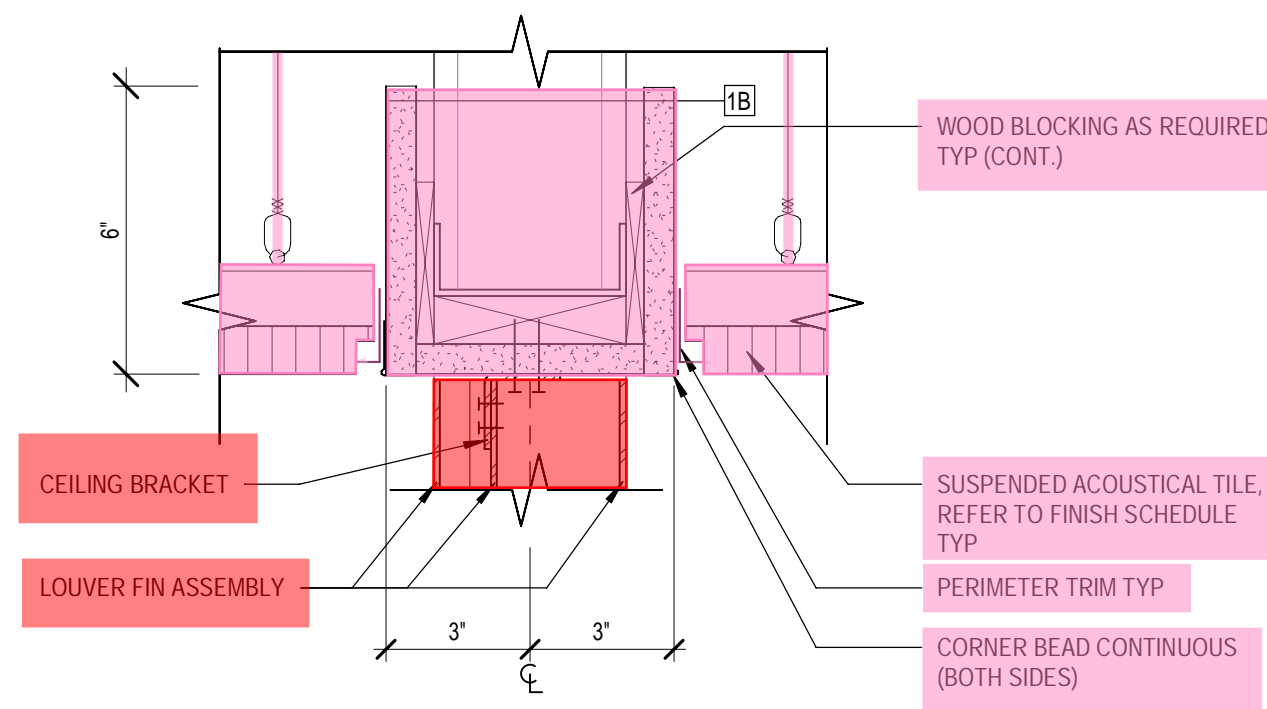
- OVERHEAD COILING GRILLE AND TRACK.
- EXISTING CONSTRUCTION TO REMAIN.
- LC TRIM AND SEALANT. CONT. FULL HEIGHT.
- METAL CORNER BEAD. CONT. FULL HEIGHT.
- 3/8" BACKER ROD AND SEALANT. CONT. FULL HEIGHT.
- ALUM. STOREFRONT SYSTEM.
- GYPSUM BOARD CONTROL JOINT. BOTH SIDES, WHERE APPLICABLE.
- 2X P.T. WOOD NAILER. CONTINUE AT FRAME. CUT AS REQUIRED.
- 1X P.T. WOOD BLOCKING.
- ALIGN FRAMING WITH EXISTING CONSTRUCTION.
- ALUMINUM CURTAIN WALL SYSTEM.
- HOLLOW METAL FRAME (PAINT). REFER TO DOOR SCHEDULE.
- S.M. TRIM AS REQUIRED.
- 1/2" P.T. PLYWOOD SHIM.
- ALUMINUM BLADE.
- SELF ADHERED ICE AND WATER SHELD.
- METAL CORNER TRIM FULL HEIGHT.
- CERAMIC TILE METAL TRIM. REF MATERIAL SCHEDULE AND SPECIFICATION.



12 SECTION DETAIL
1 1/2" = 1'-0"

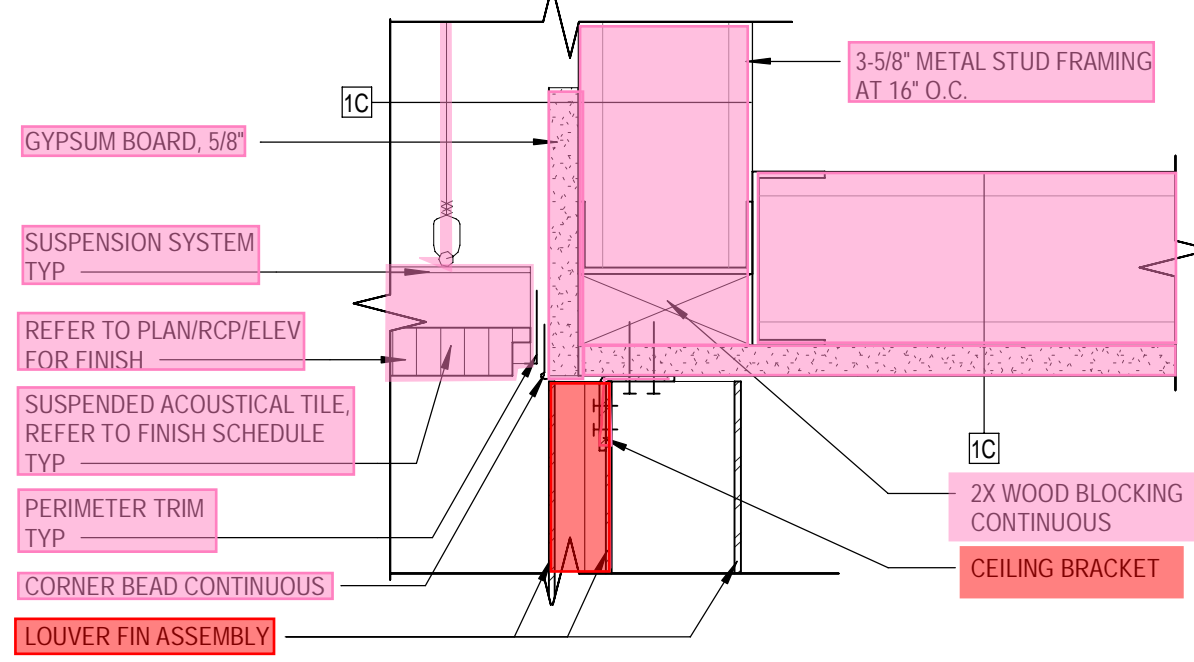


13 CEILING DETAIL
3" = 1'-0"

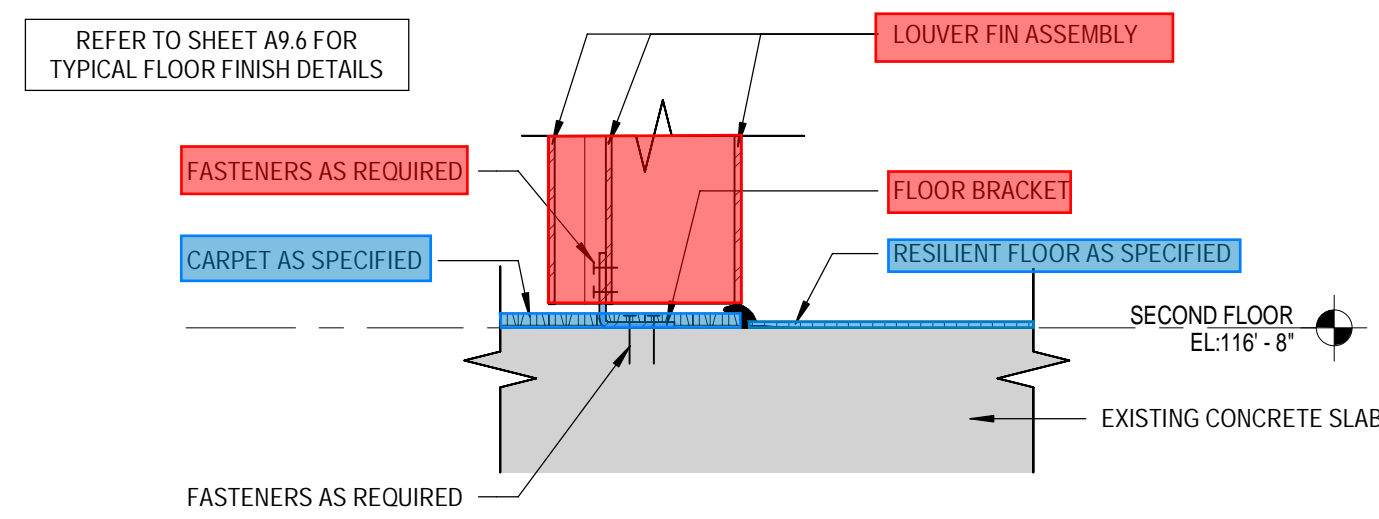


14 CEILING DETAIL
3" = 1'-0"

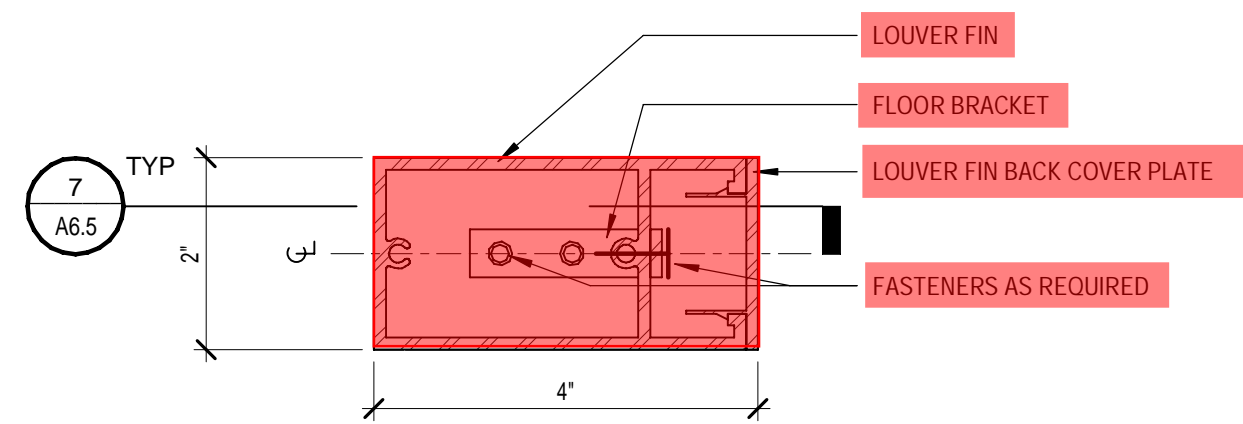
Exhibit T Scope Detail Sheet



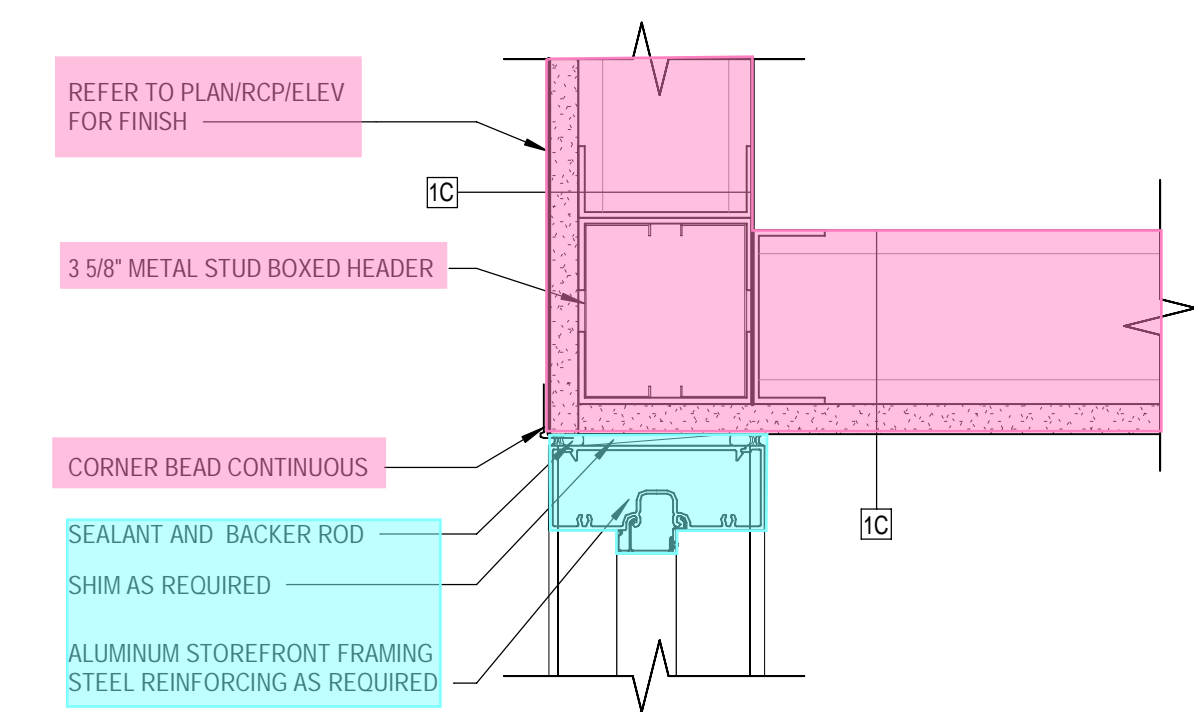
6 CEILING DETAIL
3" = 1'-0"



7 SECTION DETAIL
3" = 1'-0"

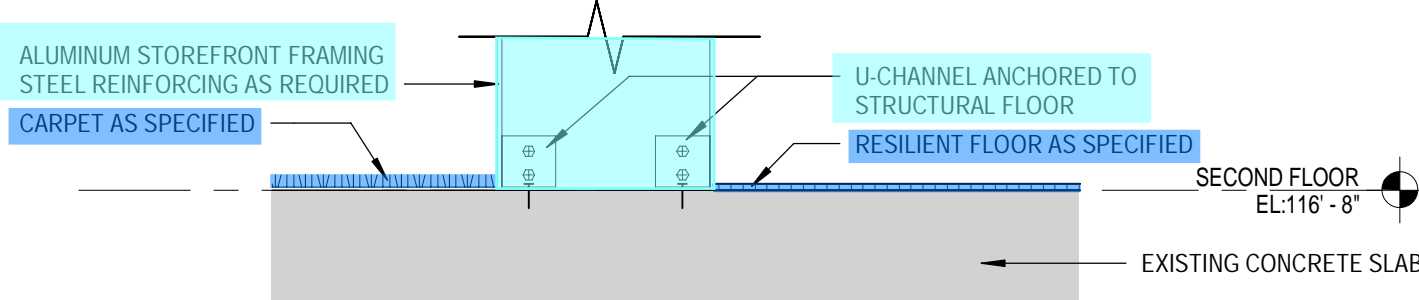


8 PLAN DETAIL
6" = 1'-0"



9 CEILING DETAIL
3" = 1'-0"

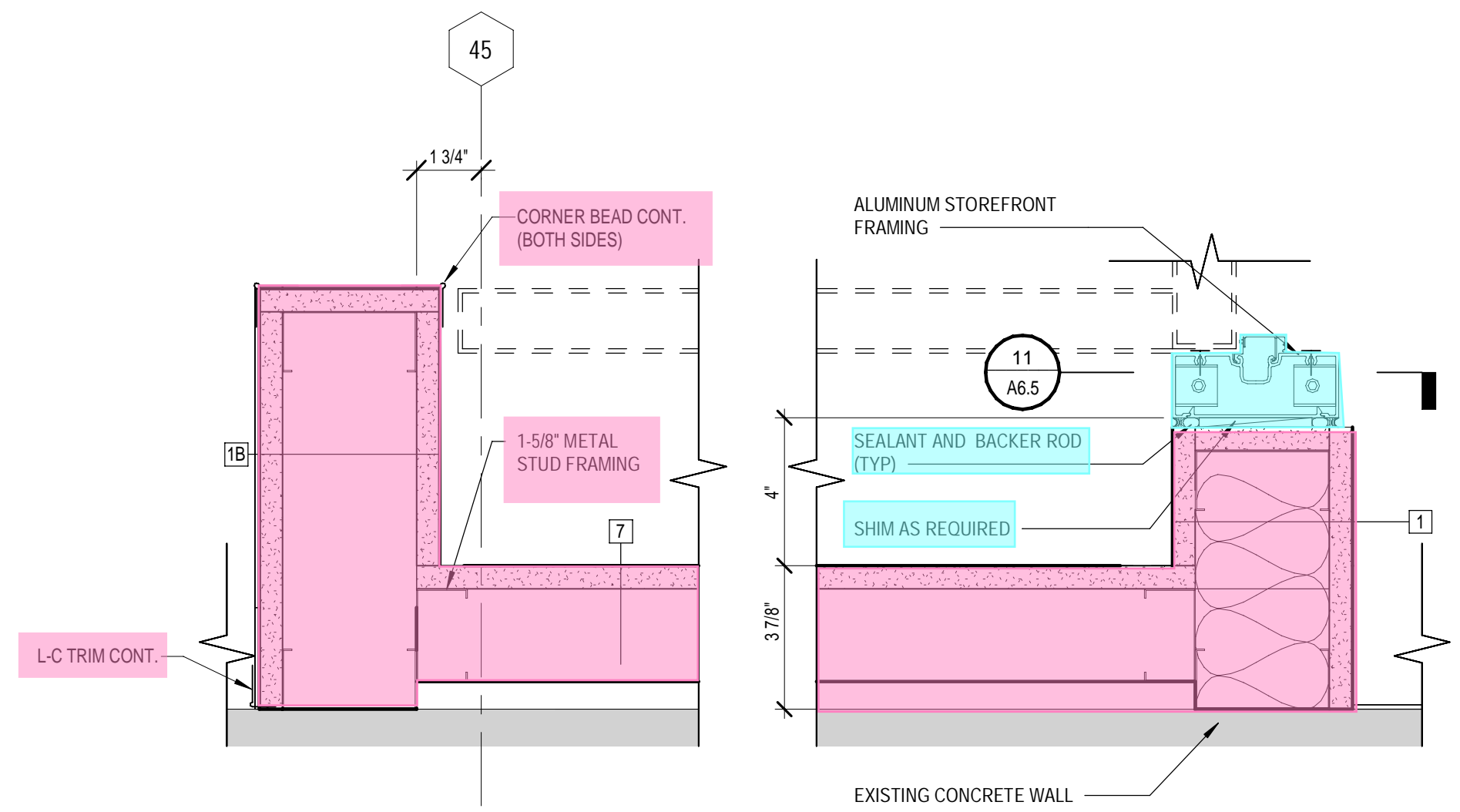
10 NOT USED
3" = 1'-0"



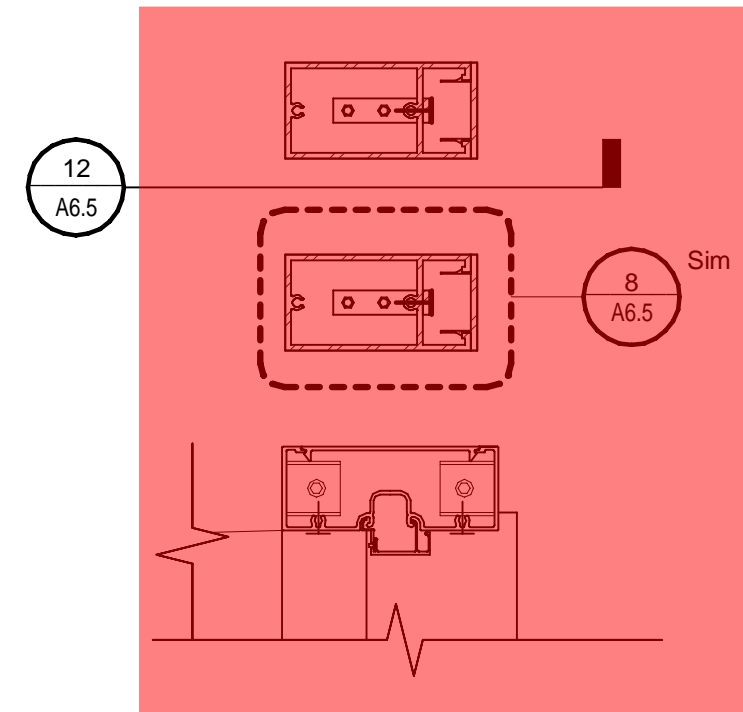
11 SECTION DETAIL
3" = 1'-0"

Exhibit T Scope Detail Sheet

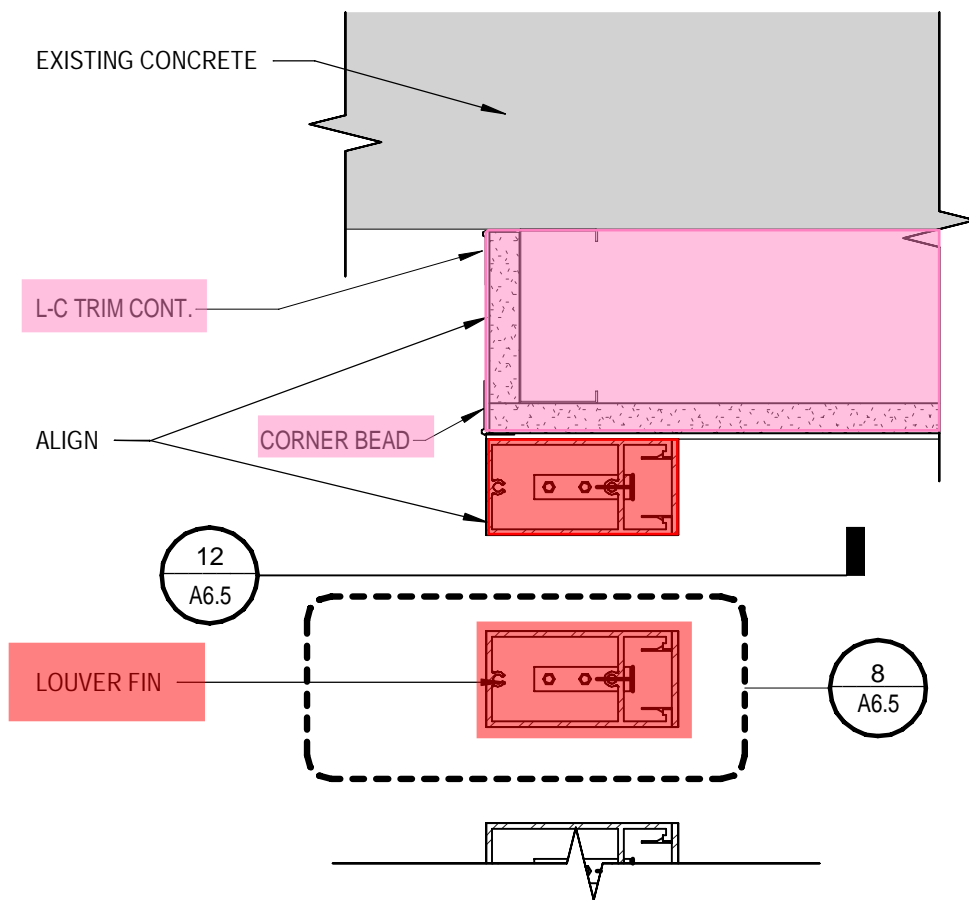
Scope Binding



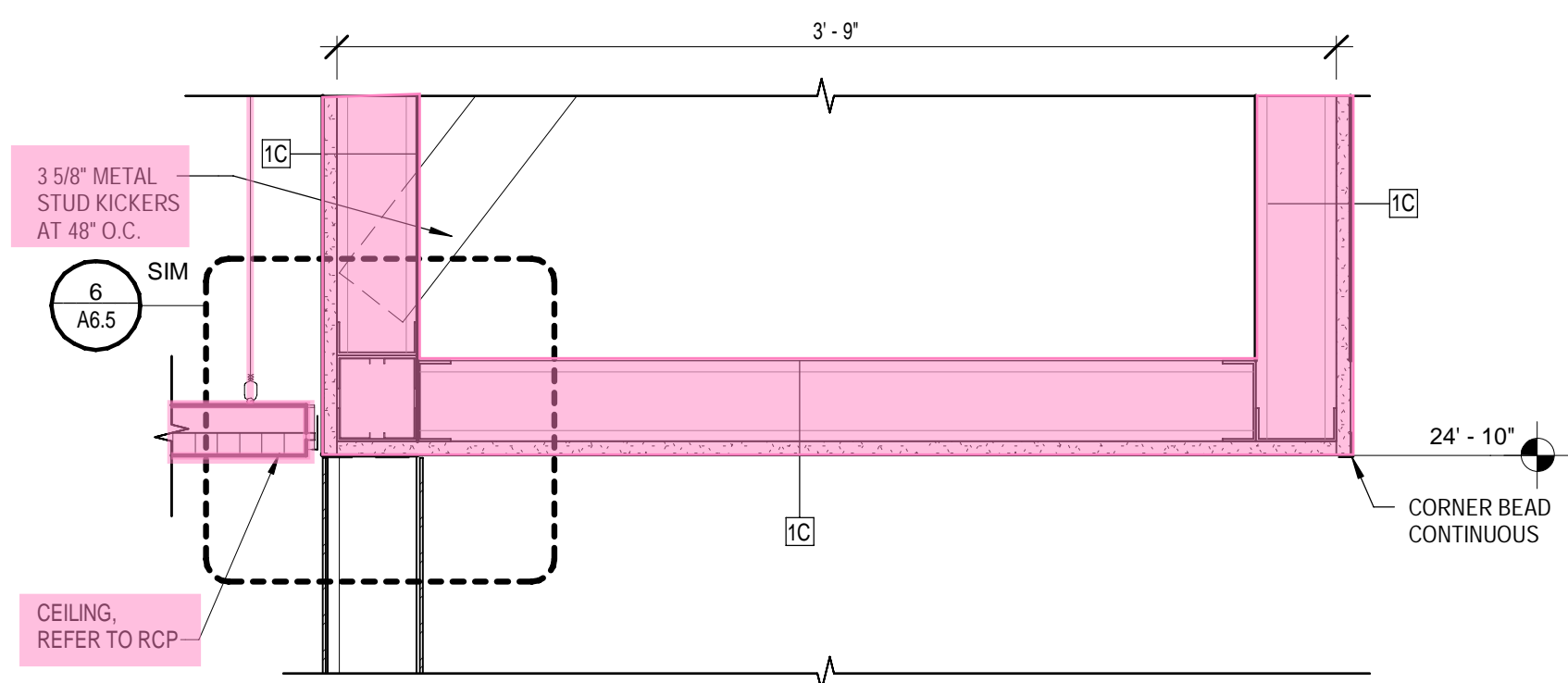
1 PLAN DETAIL
3" = 1'-0"



2 PLAN DETAIL
3" = 1'-0"



3 PLAN DETAIL
3" = 1'-0"



4 CEILING DETAIL
1 1/2" = 1'-0"

5 NOT USED
3" = 1'-0"

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PLAN DETAILS - LEVELS 2 & 3

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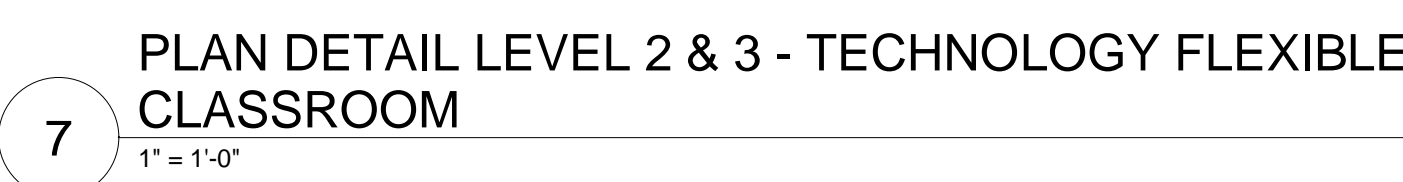
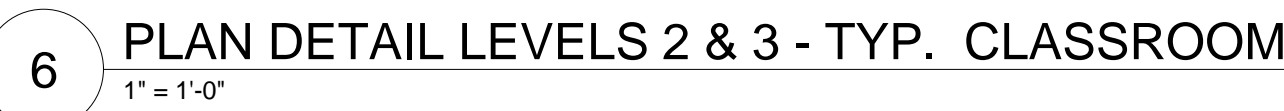
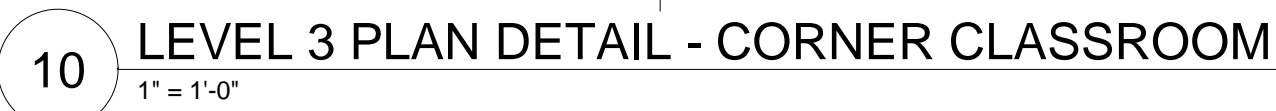
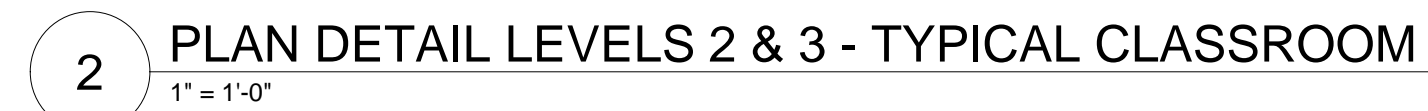
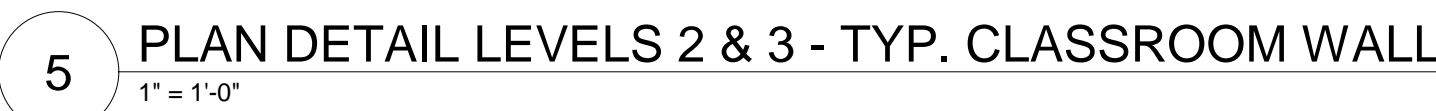
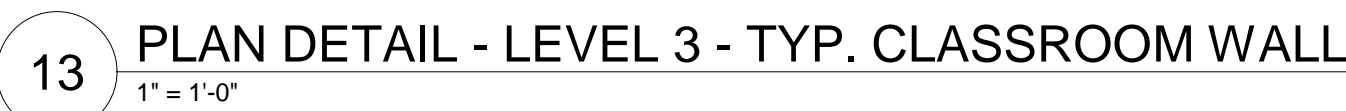
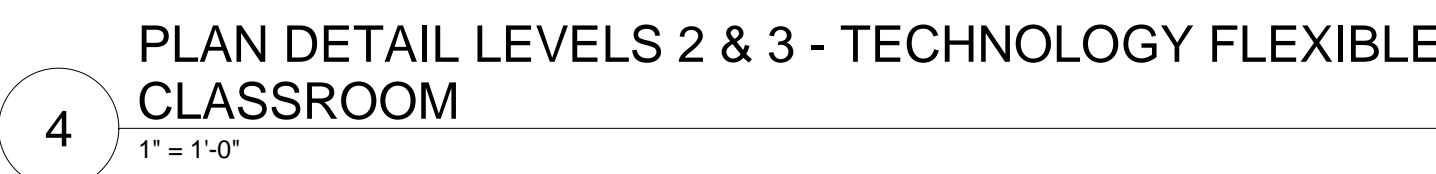
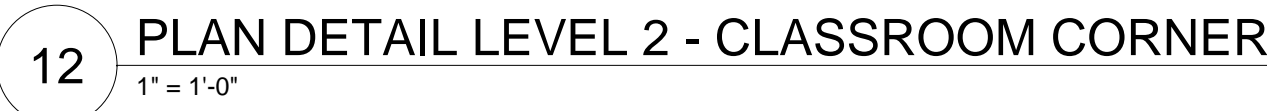
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Type	No.	Date

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A6.5

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A6.6

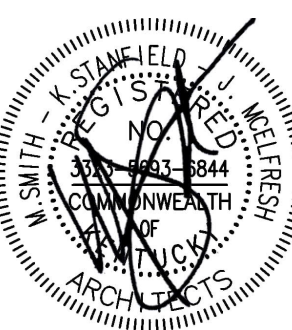


GENERAL COLUMN & WALL DETAIL NOTES

1. SEE STRUCTURAL AND ARCHITECTURAL FLOOR PLANS FOR COL. LINES AND DIMENSIONS NOT SPECIFICALLY REFERENCED ON THESE DETAILS.
2. FIRE RATED SEALANT IS REQUIRED AT ALL JOINTS IN RATED WALLS.
3. DO NOT ANCHOR OR ATTACH ADJACENT MASONRY OR STEEL TO FIREWALL "FB2". DO NOT GROUT ADJACENT CMU TO FIREWALL. PROVIDE FOAM ROD AND SEALANT.
4. SAWCUT ALL MASONRY AT STRUCTURAL STEEL AS REQUIRED TO MAINTAIN A 3/8" CLEARANCE BETWEEN MASONRY AND STEEL.
5. TAPE AND MUD TYPICAL AT INTERIOR CORNER.

COLUMN AND WALL KEYNOTES

- A. OVERHEAD COILING GRILLE AND TRACK.
- B. EXISTING CONSTRUCTION TO REMAIN.
- C. L. TRIM AND SEALANT, CONT. FULL HEIGHT.
- D. METAL CORNER BEAD, CONT. FULL HEIGHT.
- E. 3/8" BACKER ROD AND SEALANT, CONT. FULL HEIGHT.
- F. ALUM. STOREFRONT SYSTEM.
- G. GYPSUM BOARD CONTROL JOINT, BOTH SIDES, WHERE APPLICABLE.
- H. 2X P.T. WOOD NAILED, CONTINUE AT FRAME, CUT AS REQUIRED.
- I. 1X P.T. WOOD BLOCKING.
- K. ALUM. FRAMING WITH EXISTING CONSTRUCTION.
- L. ALUMINUM CURTAINWALL SYSTEM.
- M. HOLLOW METAL FRAME (PAINT), REFER TO DOOR SCHEDULE.
- N. S. M. TRIM AS REQUIRED.
- O. 1/2" P.T. PLYWOOD SHIM.
- R. ALUMINUM BLADE.
- S. SELF ADHERED ICE AND WATER SHIELD.
- T. METAL CORNER TRIM FULL HEIGHT.
- U. CERAMIC TILE METAL TRIM, REF MATERIAL SCHEDULE AND SPECIFICATION.



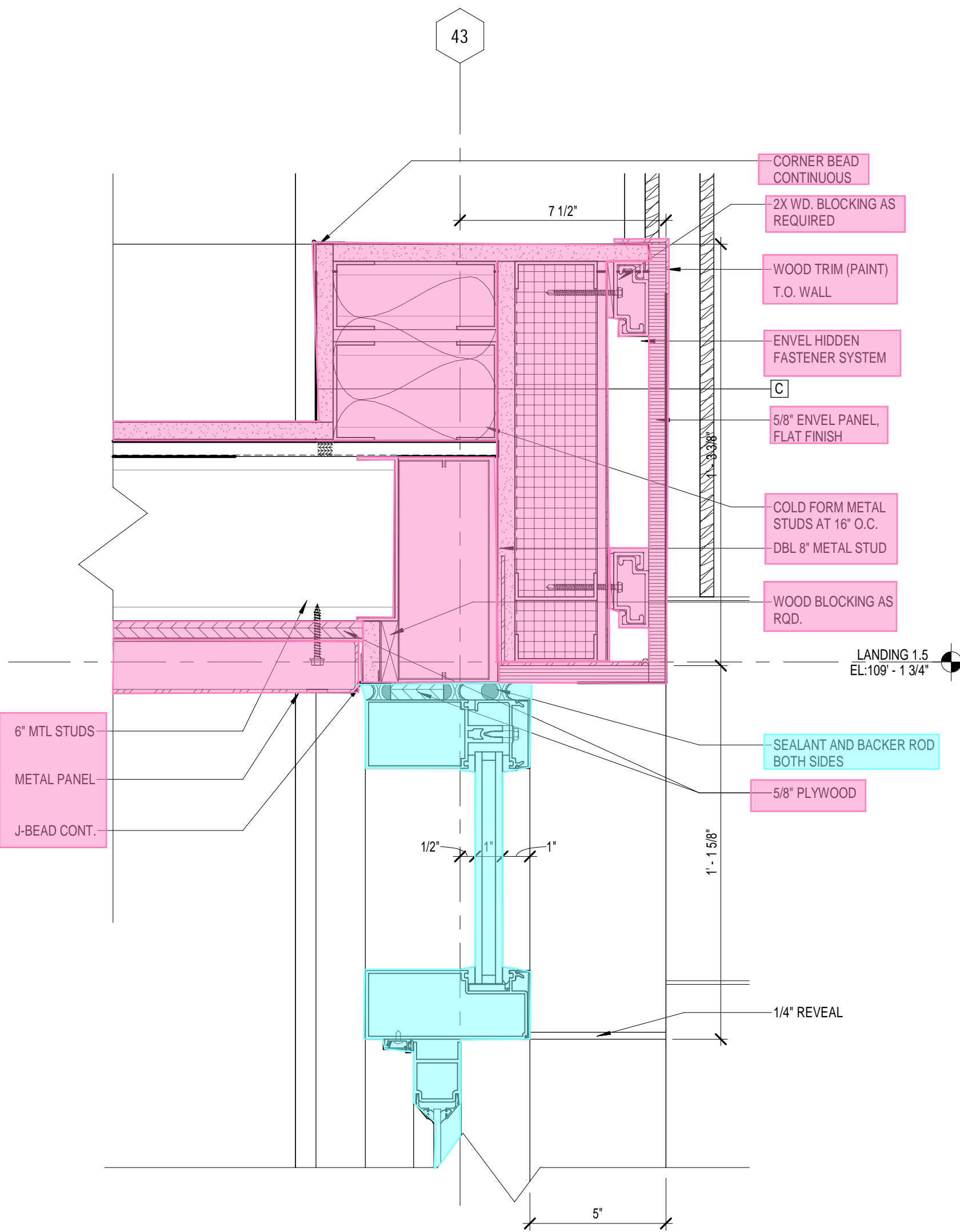
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DATE	SEPT. 10, 2024
DRAWN	AC/SW
CHECKED	GJBKL

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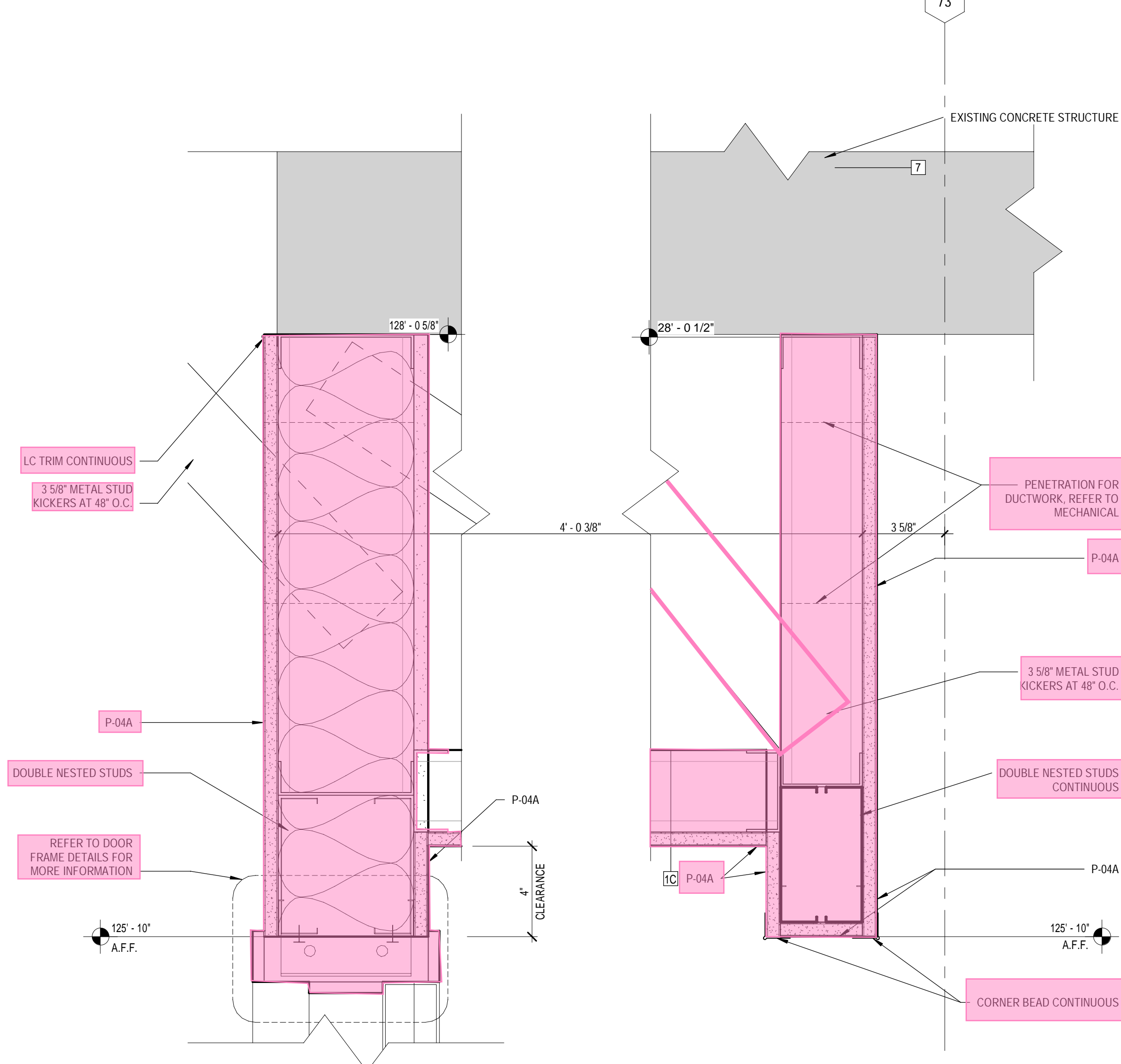
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Type	No.	Date

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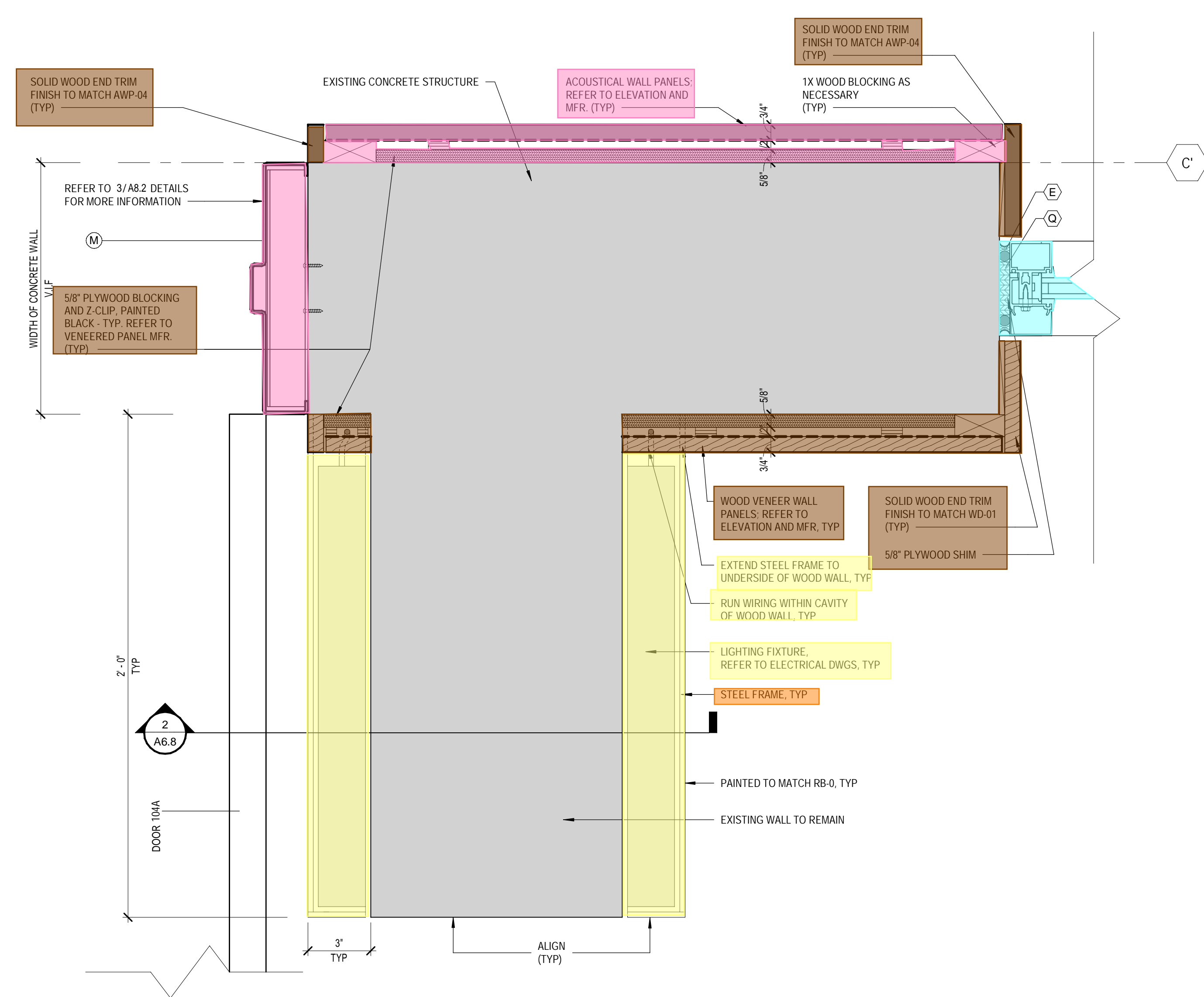
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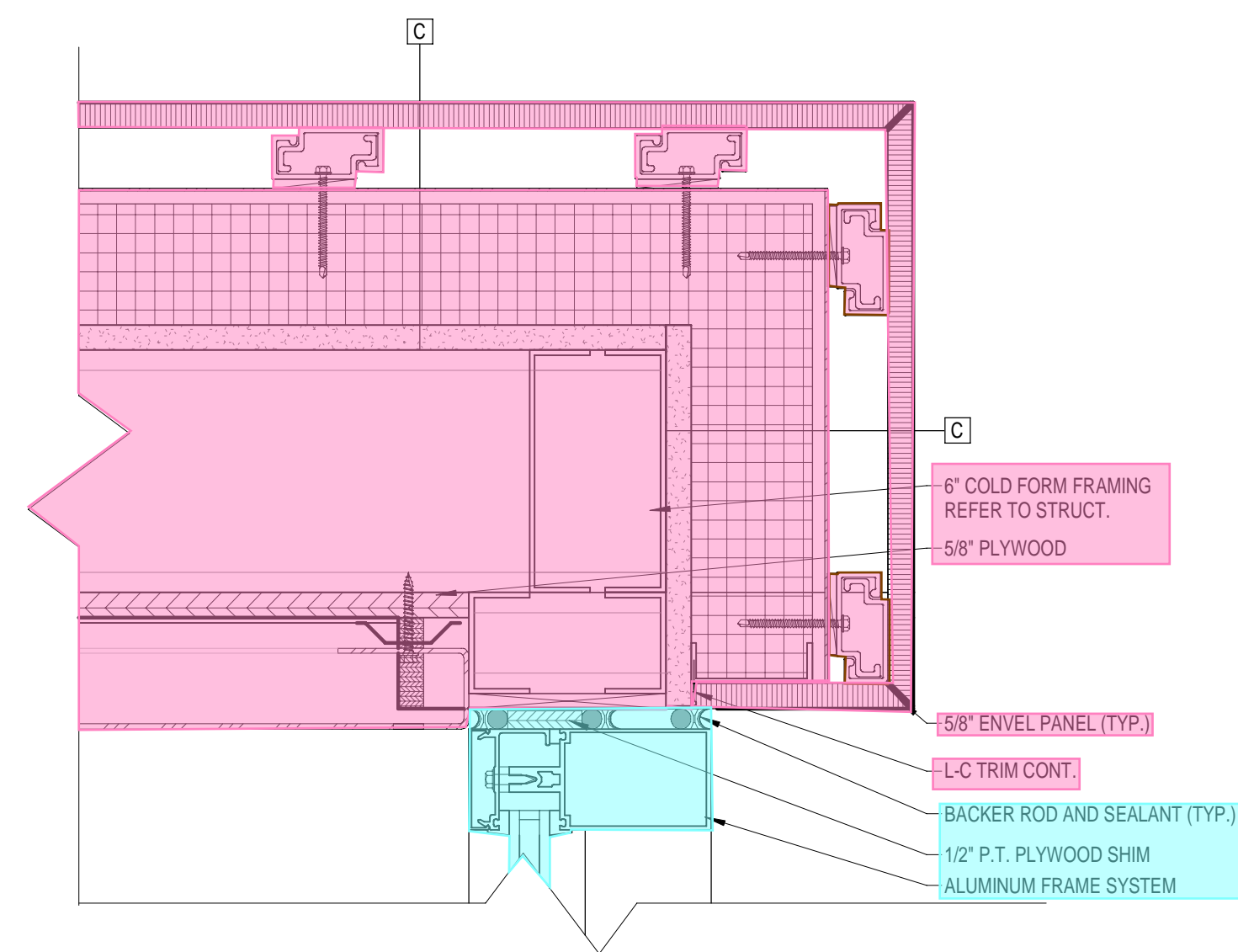
6 SECTION DETAIL - VESTIBULE HEAD INT SIDE
3" = 1'-0"



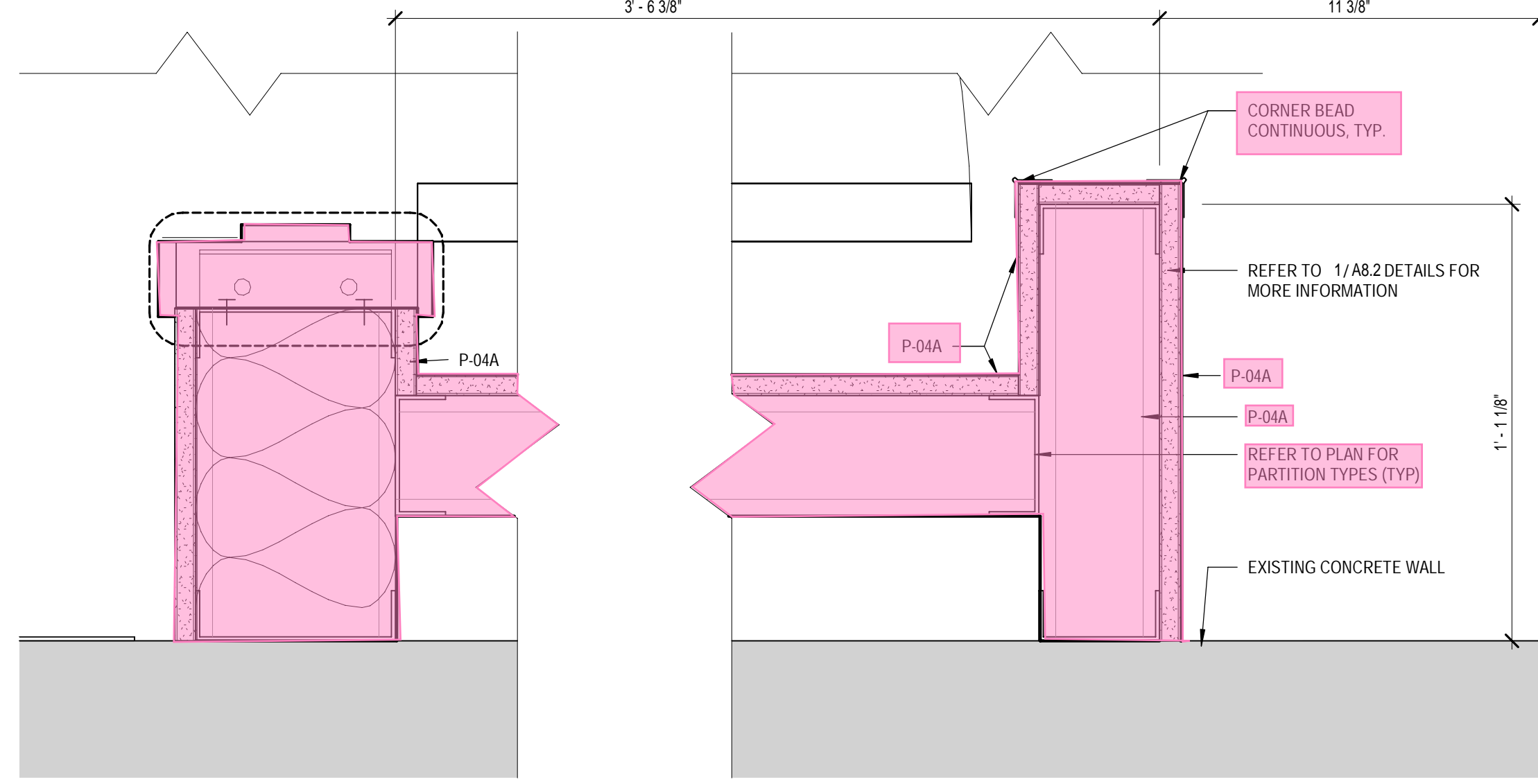
3 DETAIL - DOOR HEAD @ RM 238
3" = 1'-0"



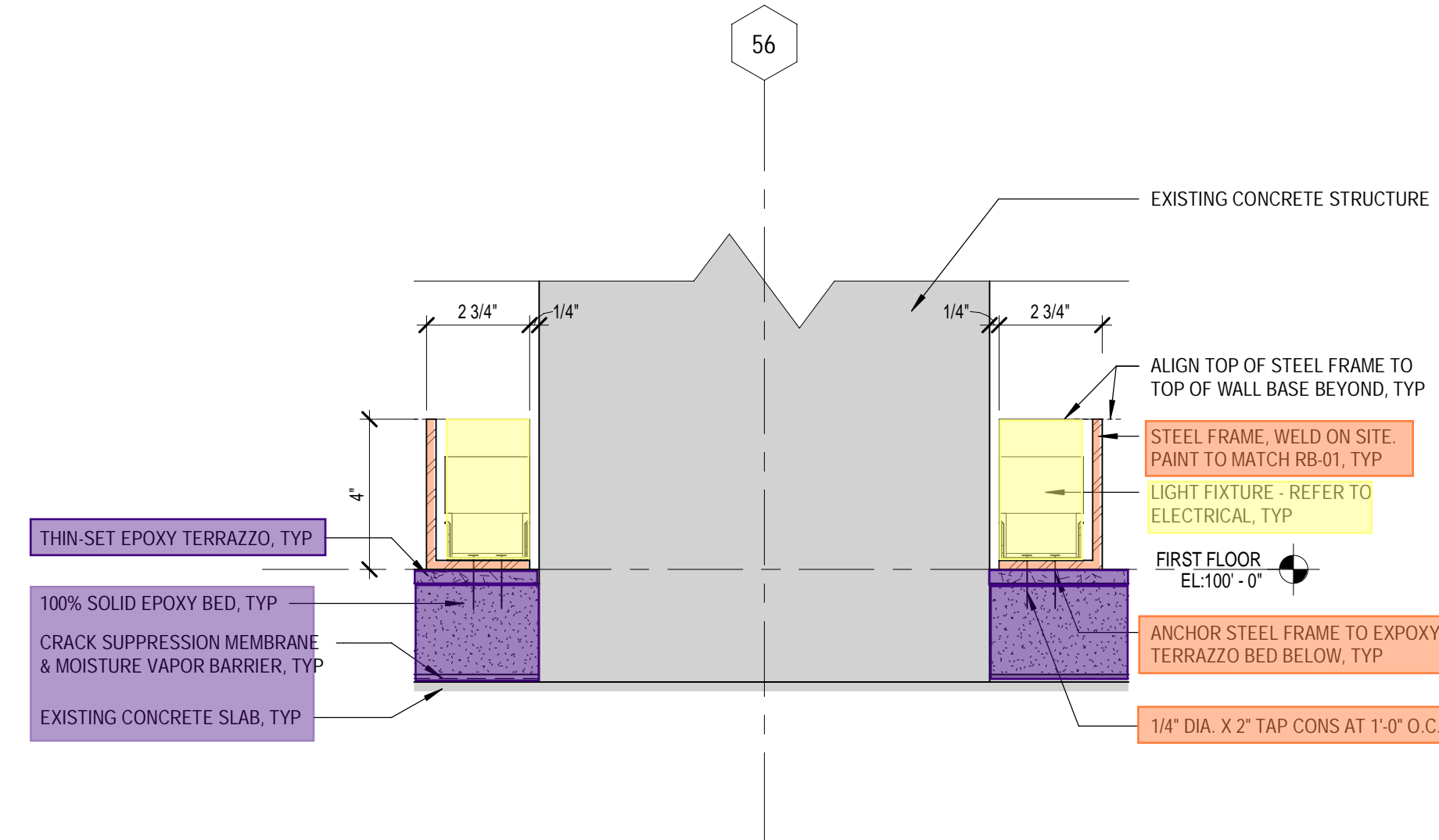
1 PLAN DETAIL - LIGHTING @ COLUMN BASE
3" = 1'-0"



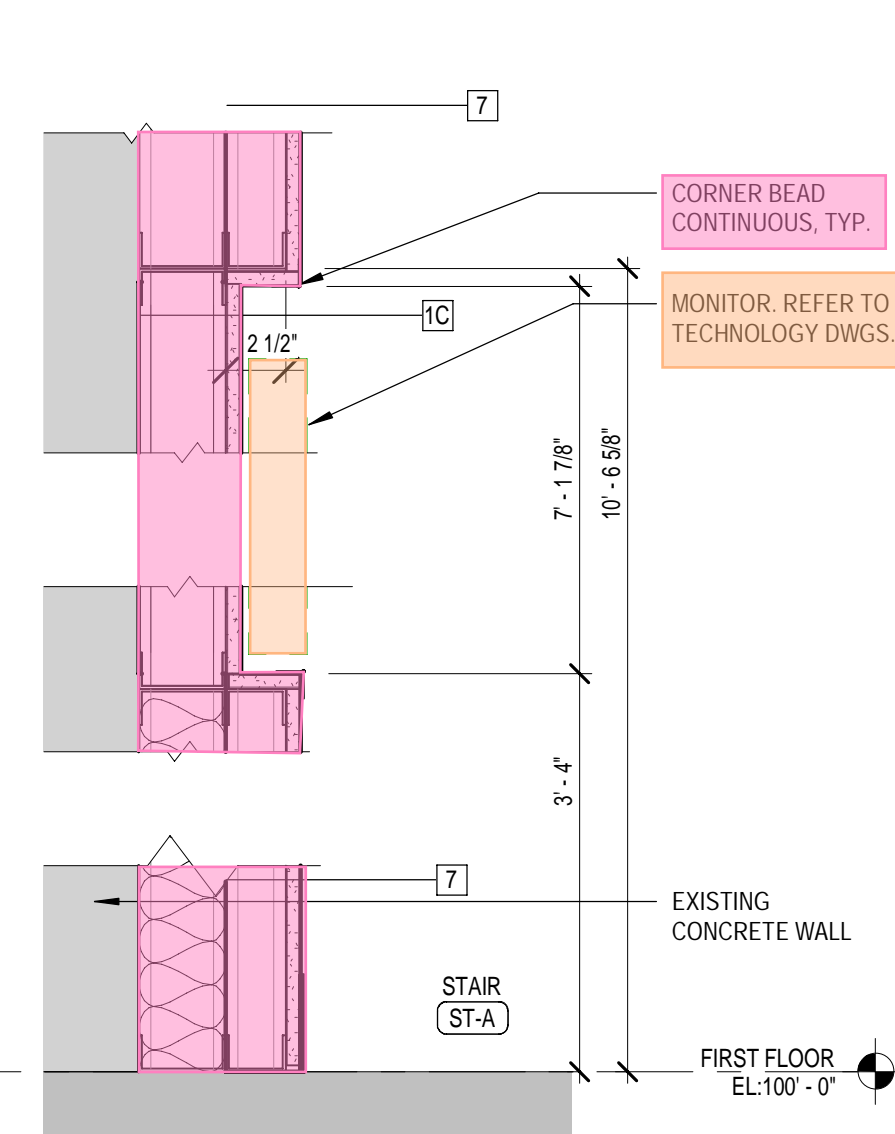
7 PLAN DETAIL - VESTIBULE JAMB INT SIDE
3" = 1'-0"



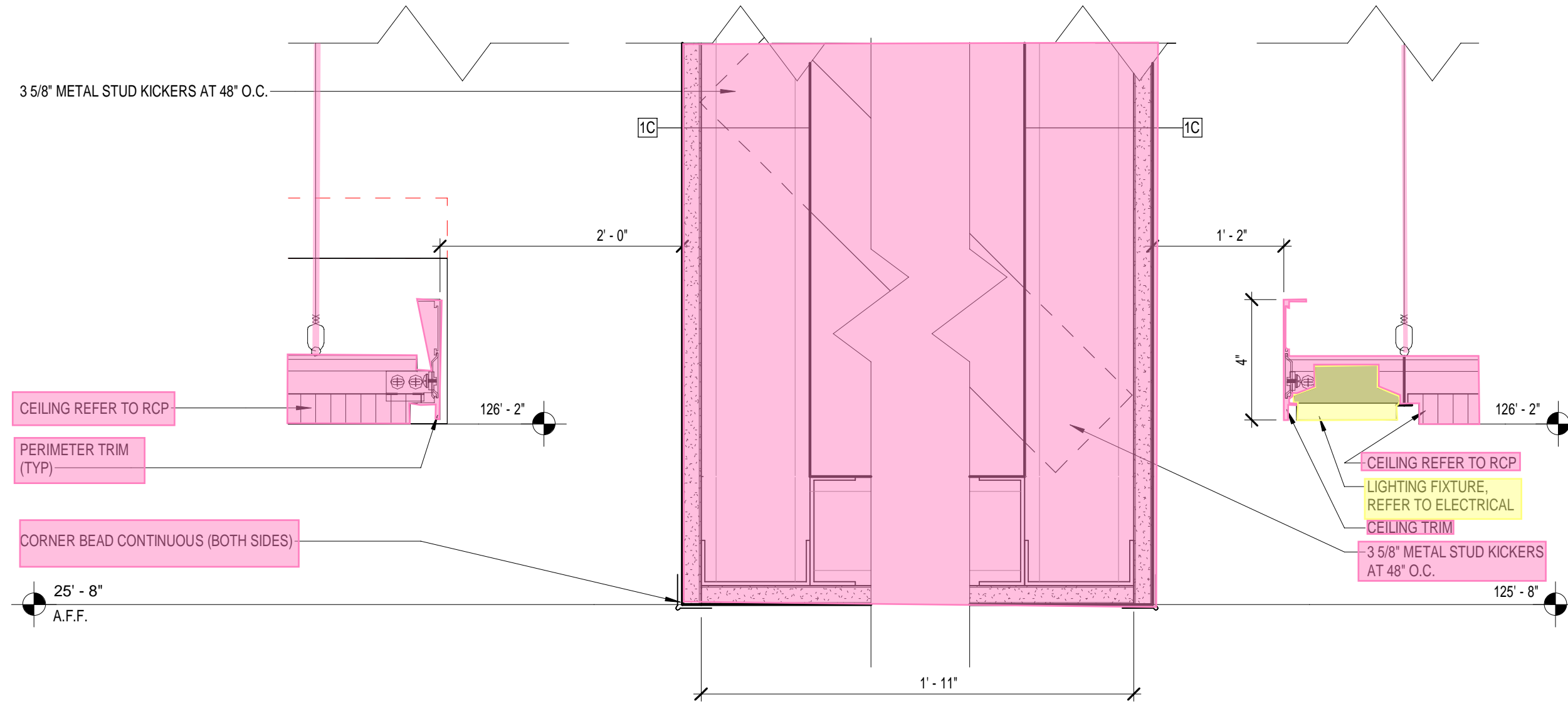
4 PLAN DETAIL - DOOR JAMB @ RM 238
3" = 1'-0"



2 DETAIL - LIGHTING @ COLUMN BASE
3" = 1'-0"

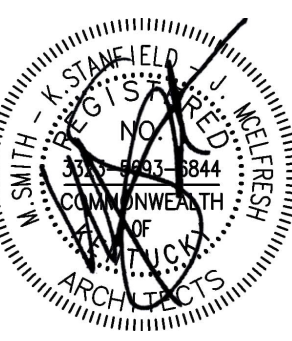
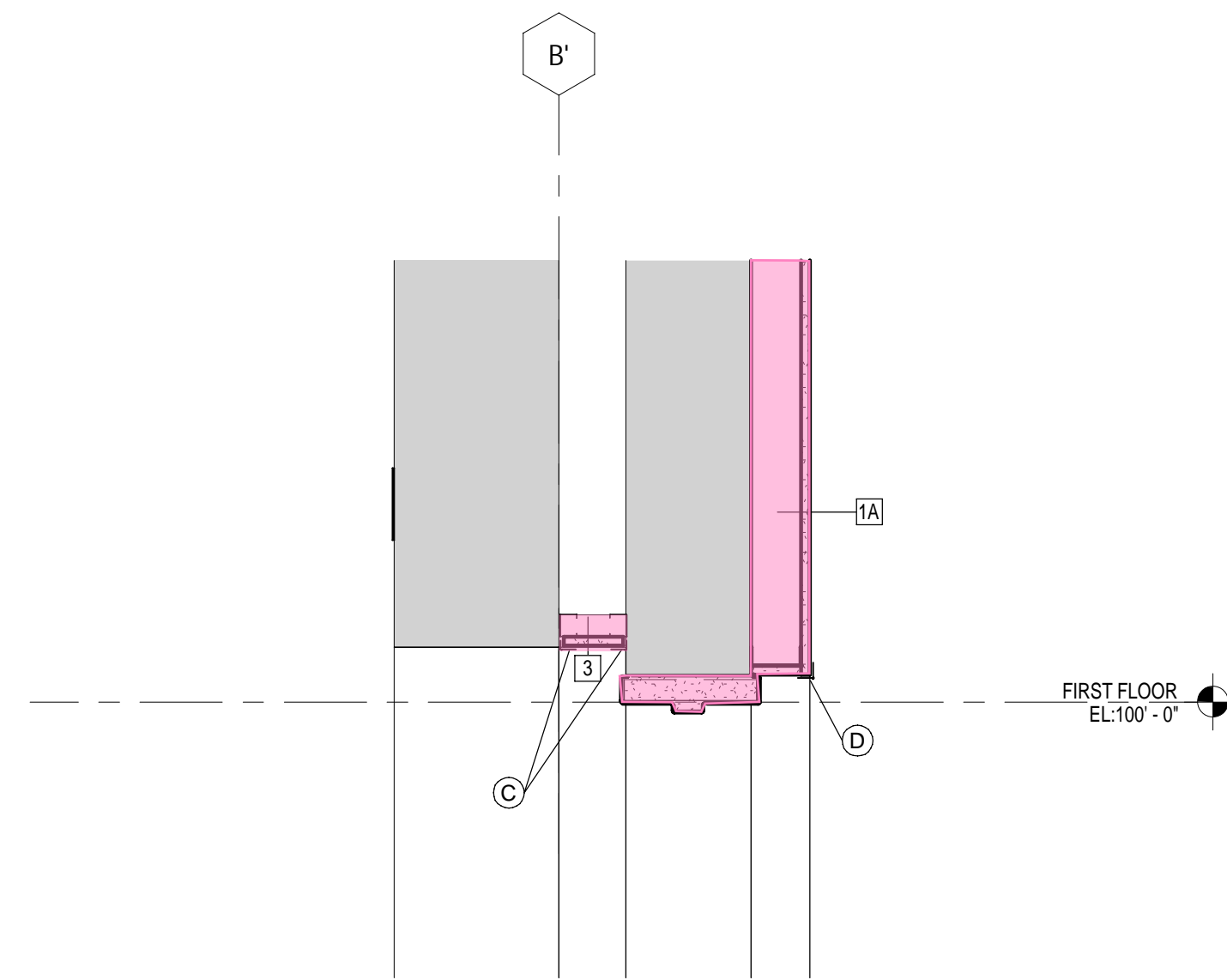


8 DETAIL
1 1/2" = 1'-0"

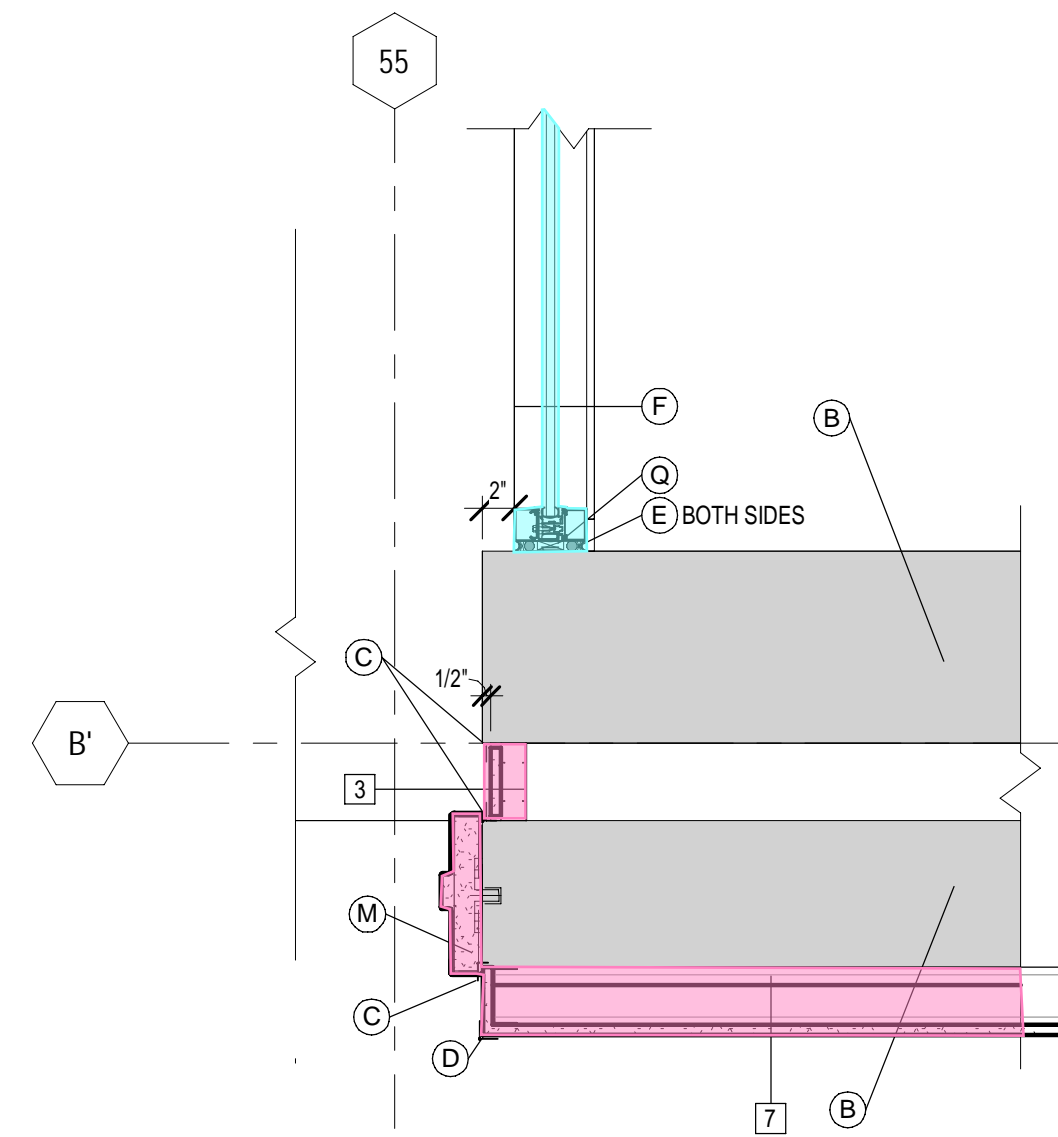


5 DETAIL - ACT PERIMETER TO GYP BULKHEAD
3" = 1'-0"

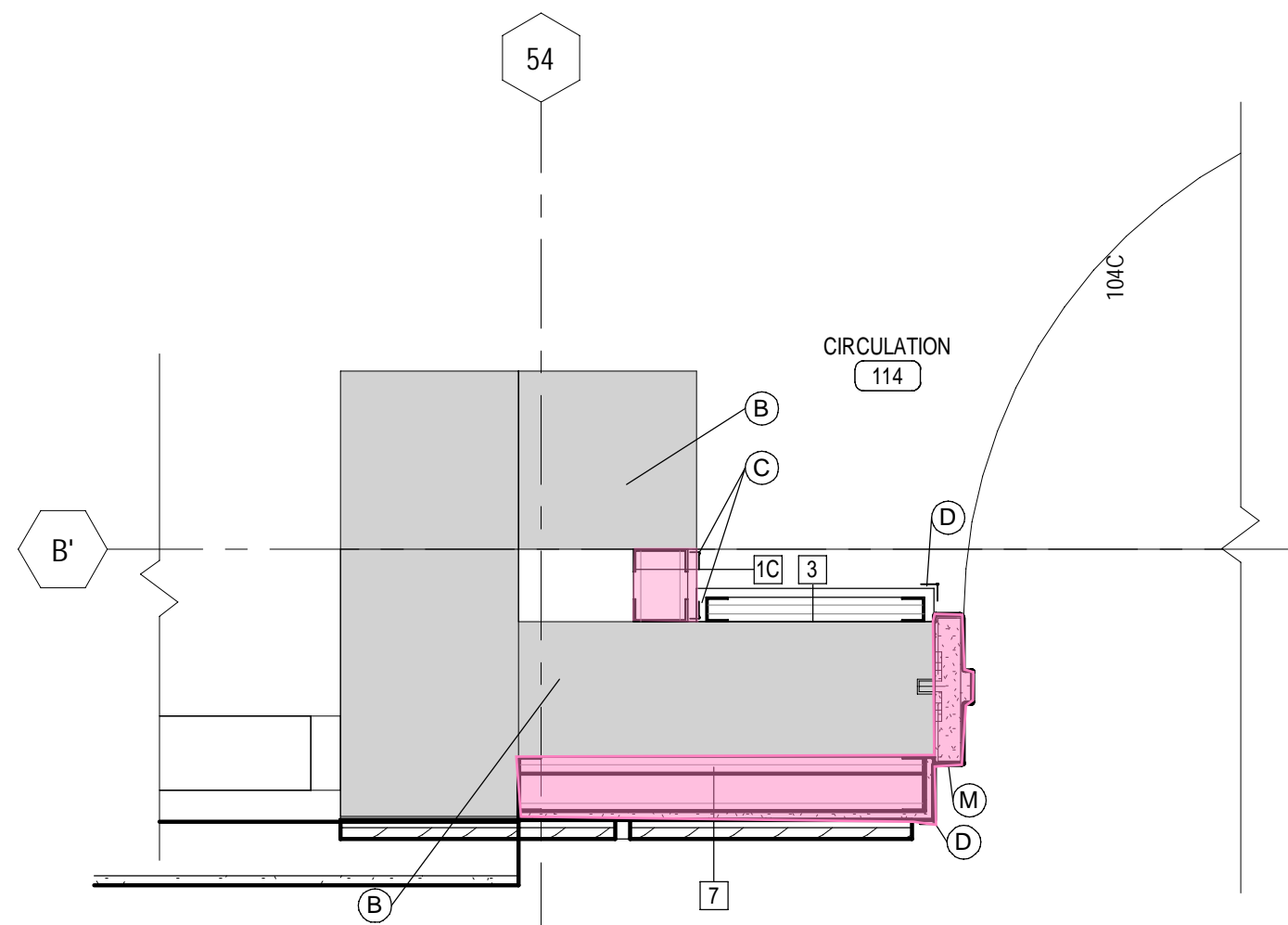


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1 HEAD DETAIL LEVEL 2 - LECTURE ROOM ADA DOOR
1" = 1'-0"



PLAN DETAIL LEVEL 1 - JAMB



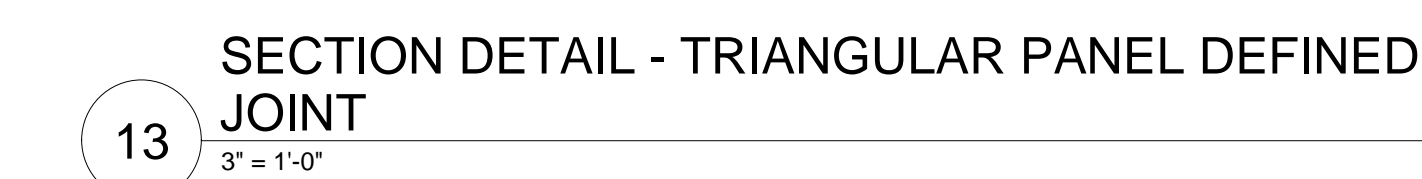
PLAN DETAIL LEVEL 1 - JAMB DETAILS

GENERAL COLUMN & WALL DETAIL NOTES

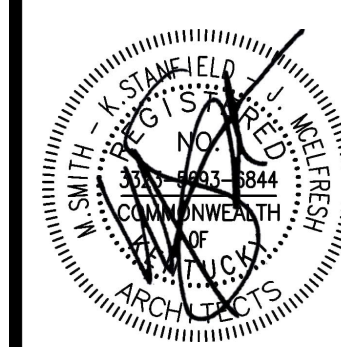
1. SEE STRUCTURAL AND ARCHITECTURAL FLOOR PLANS FOR COL. LINES AND DIMENSIONS NOT SPECIFICALLY REFERENCED ON THESE DETAILS.
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5. TAPE AND MUD TYPICAL AT INTERIOR CORNER.

COLUMN AND WALL KEYNOTES

- | | |
|----|--|
| A. | OVERHEAD COILING GRILLE AND TRACK. |
| B. | EXISTING CONSTRUCTION TO REMAIN. |
| C. | LC TRIM AND SEALANT, CONT. FULL HEIGHT. |
| D. | METAL CORNER BEAD, CONT. FULL HEIGHT. |
| E. | 3/8" BACKER ROD AND SEALANT, CONT. FULL HEIGHT. |
| F. | ALUM. STOREFRONT SYSTEM. |
| G. | GYPSUM BOARD CONTROL JOINT, BOTH SIDES, WHERE APPLICABLE. |
| H. | 2X 2 P.T. WOOD NAILER, CONTINUE AT FRAME, CUT AS REQUIRED. |
| J. | 1X 2 P.T. WOOD BLOCKING. |
| K. | ALIGN FRAMING WITH EXISTING CONSTRUCTION. |
| L. | ALUMINUM CURTAINWALL SYSTEM. |
| M. | HOLLOW METAL FRAME (PAINT). REFER TO DOOR SCHEDULE. |
| N. | N.M. TRIM/AS REQUIRED. |
| Q. | 1/2" P.T. PLYWOOD SHIM. |
| R. | ALUMINUM BLADE |
| S. | SELF ADHERED ICE AND WATER SHIELD. |
| T. | METAL CORNER TRIM FULL HEIGHT. |
| U. | CERAMIC TILE METAL TRIM. REF MATERIAL SCHEDULE AND SPECIFICATION |







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CHECKED	GJB/KL

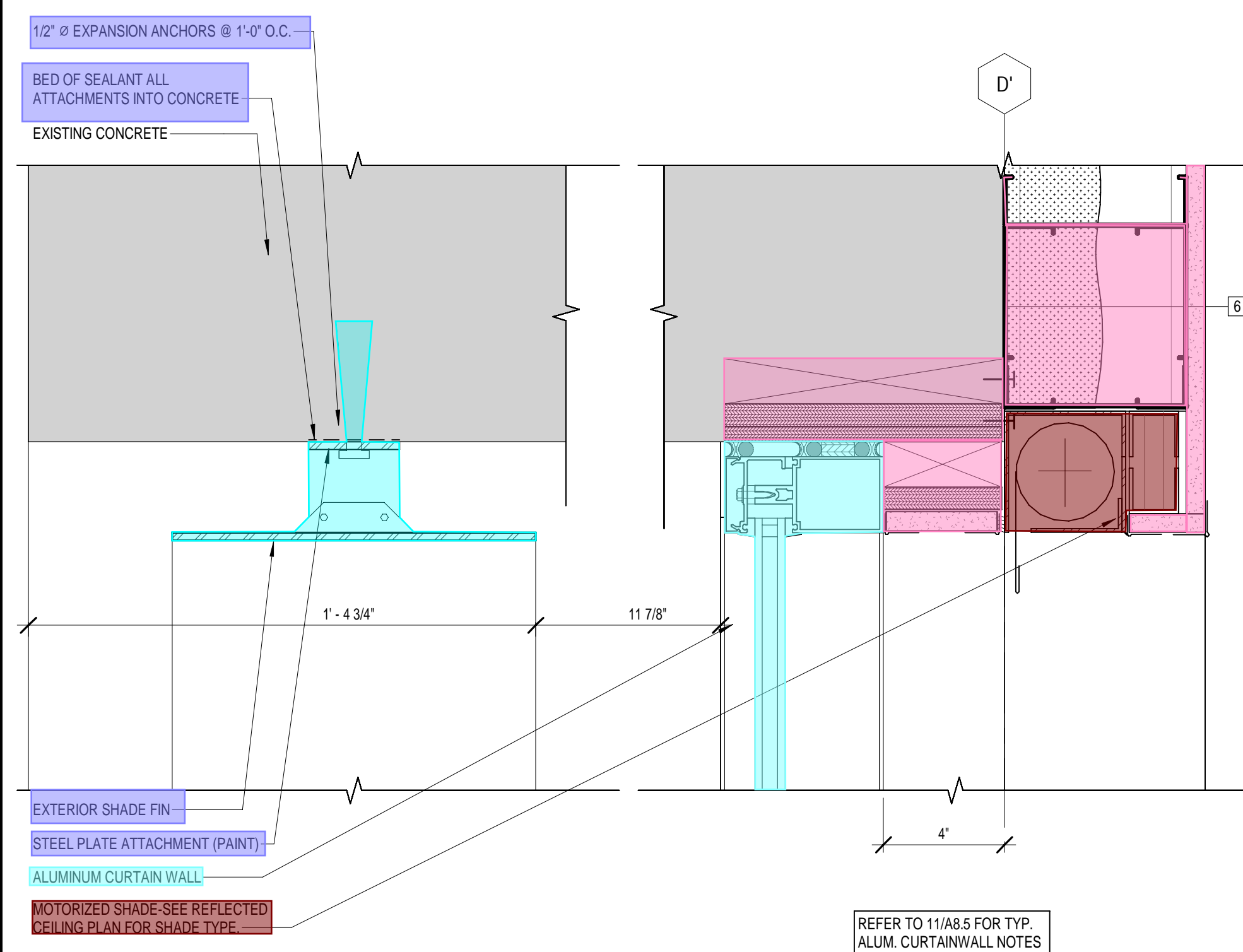
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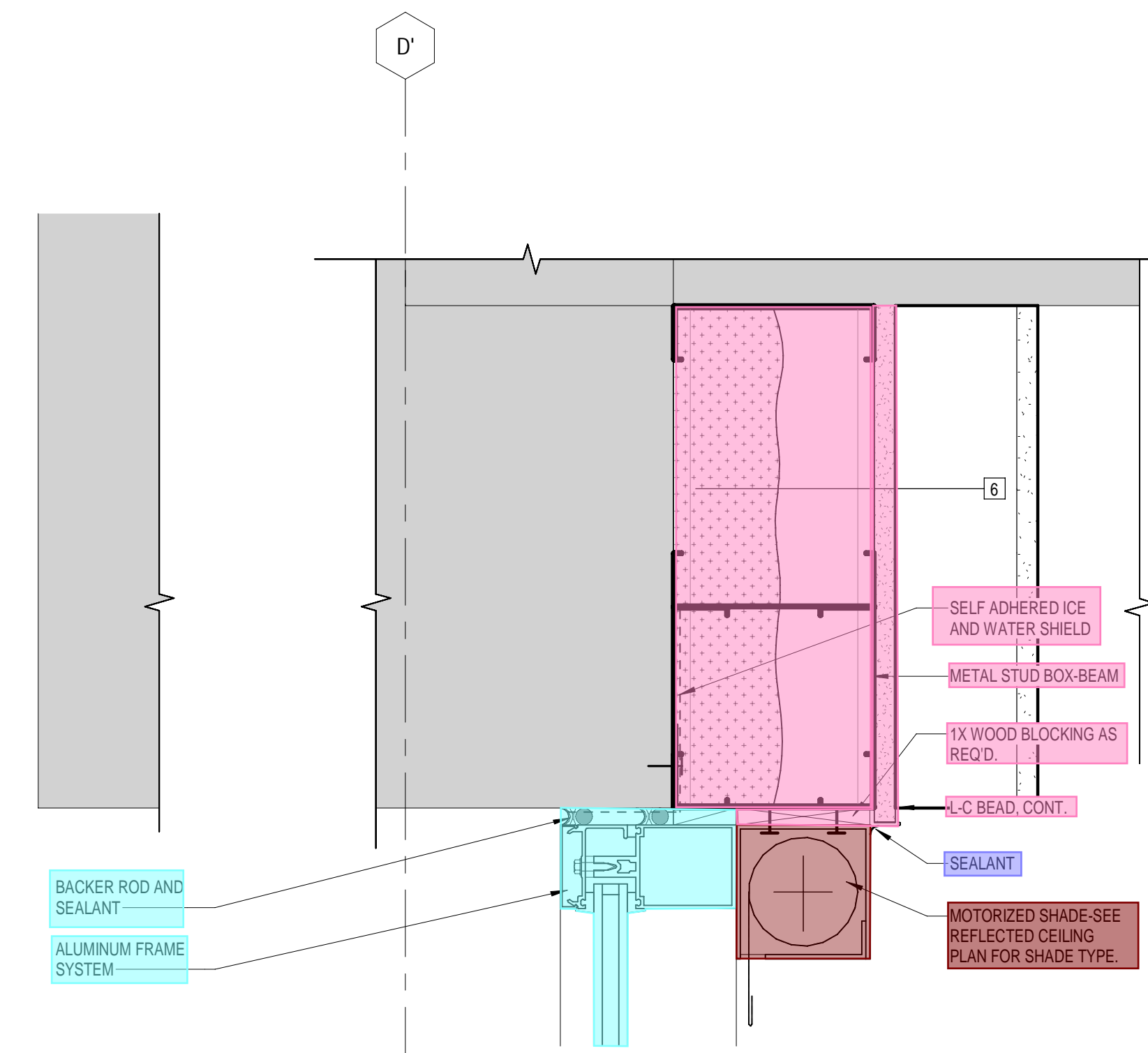
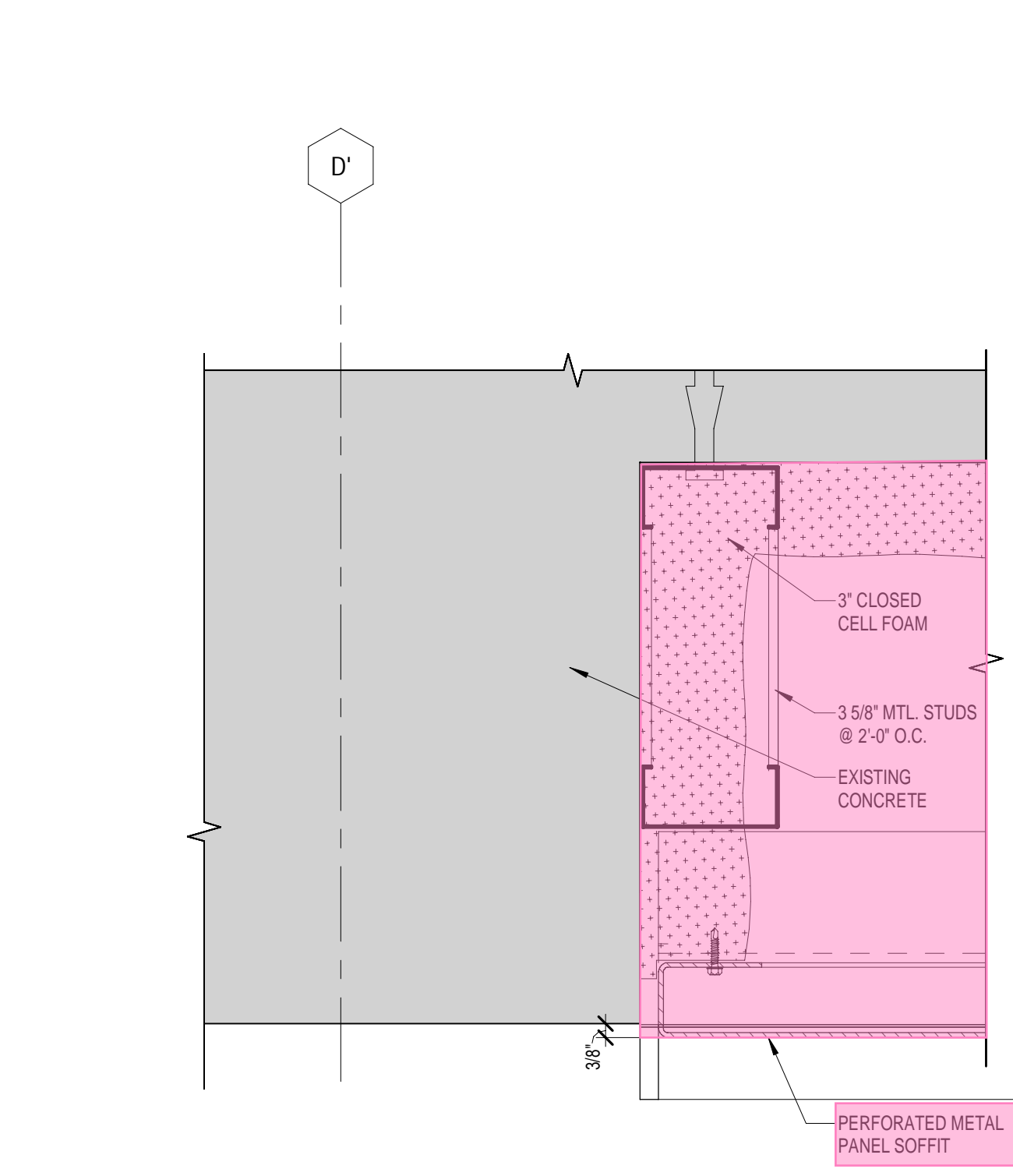
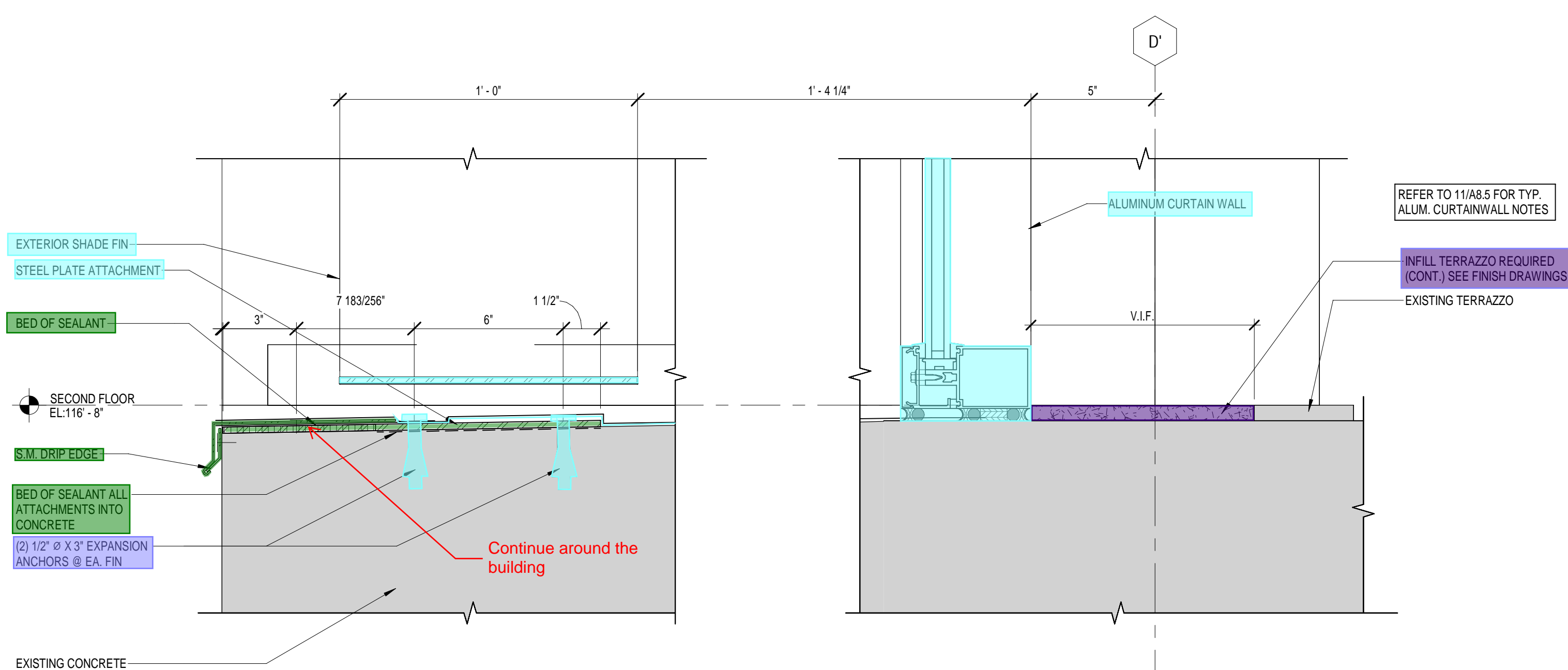
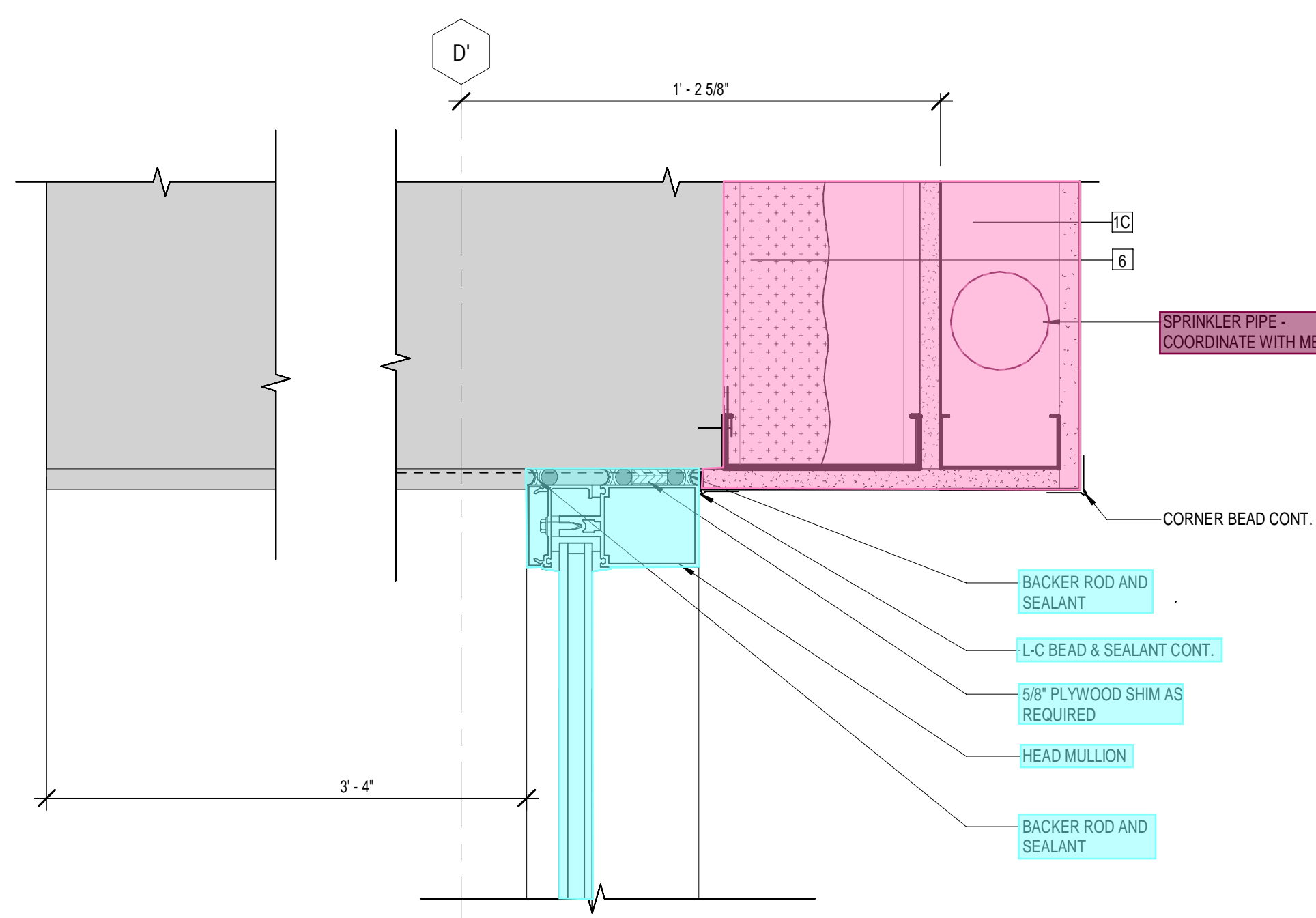
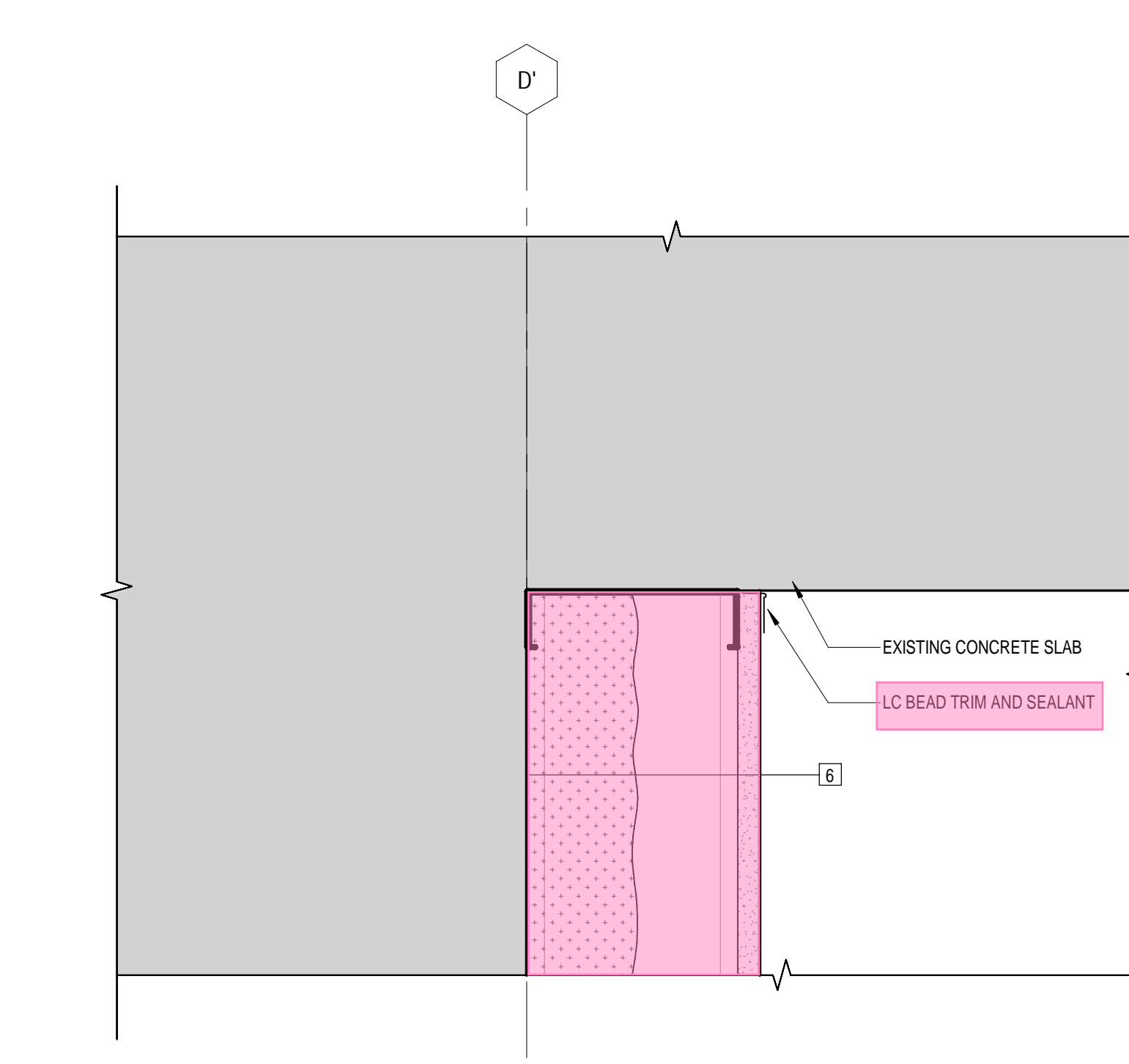
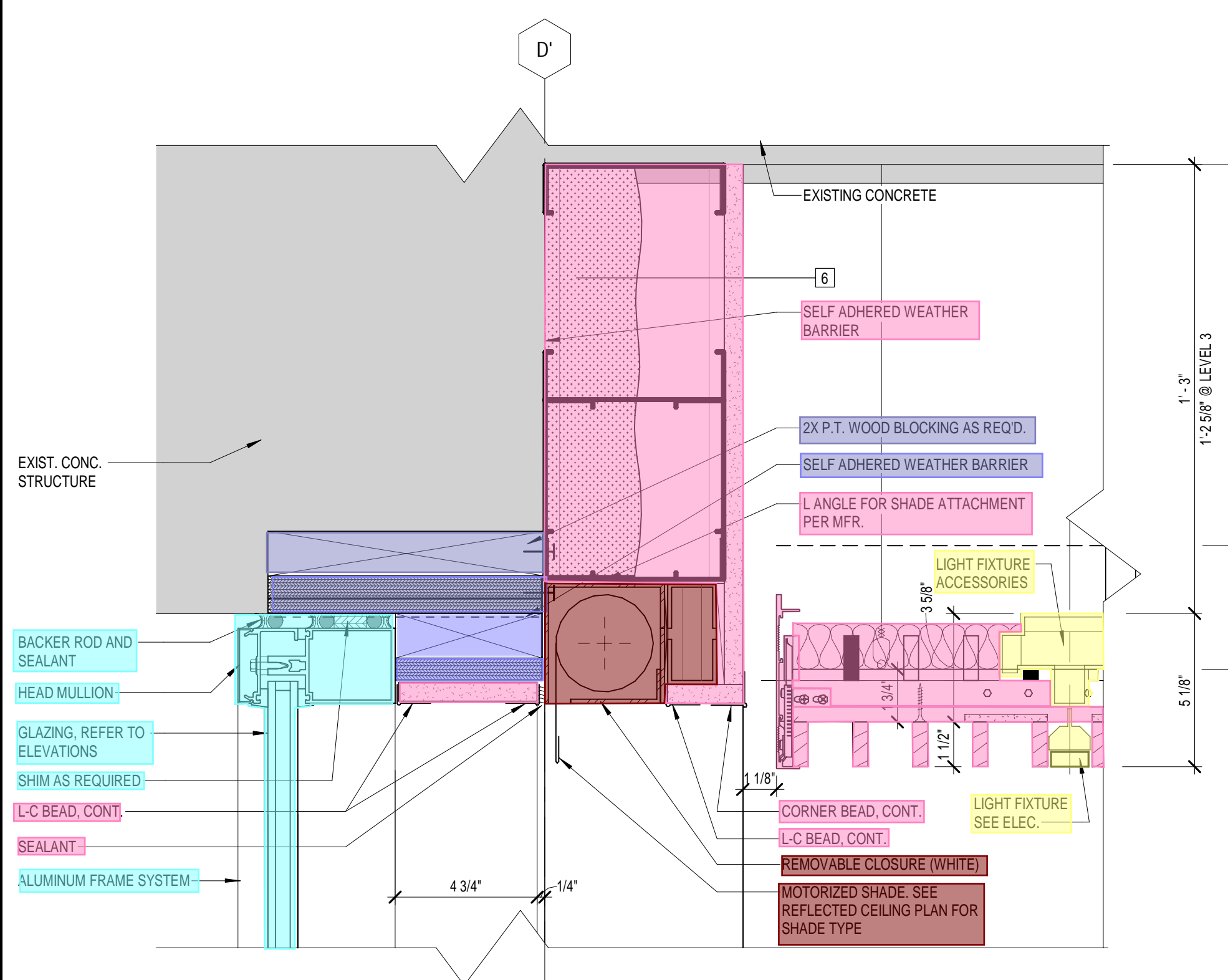
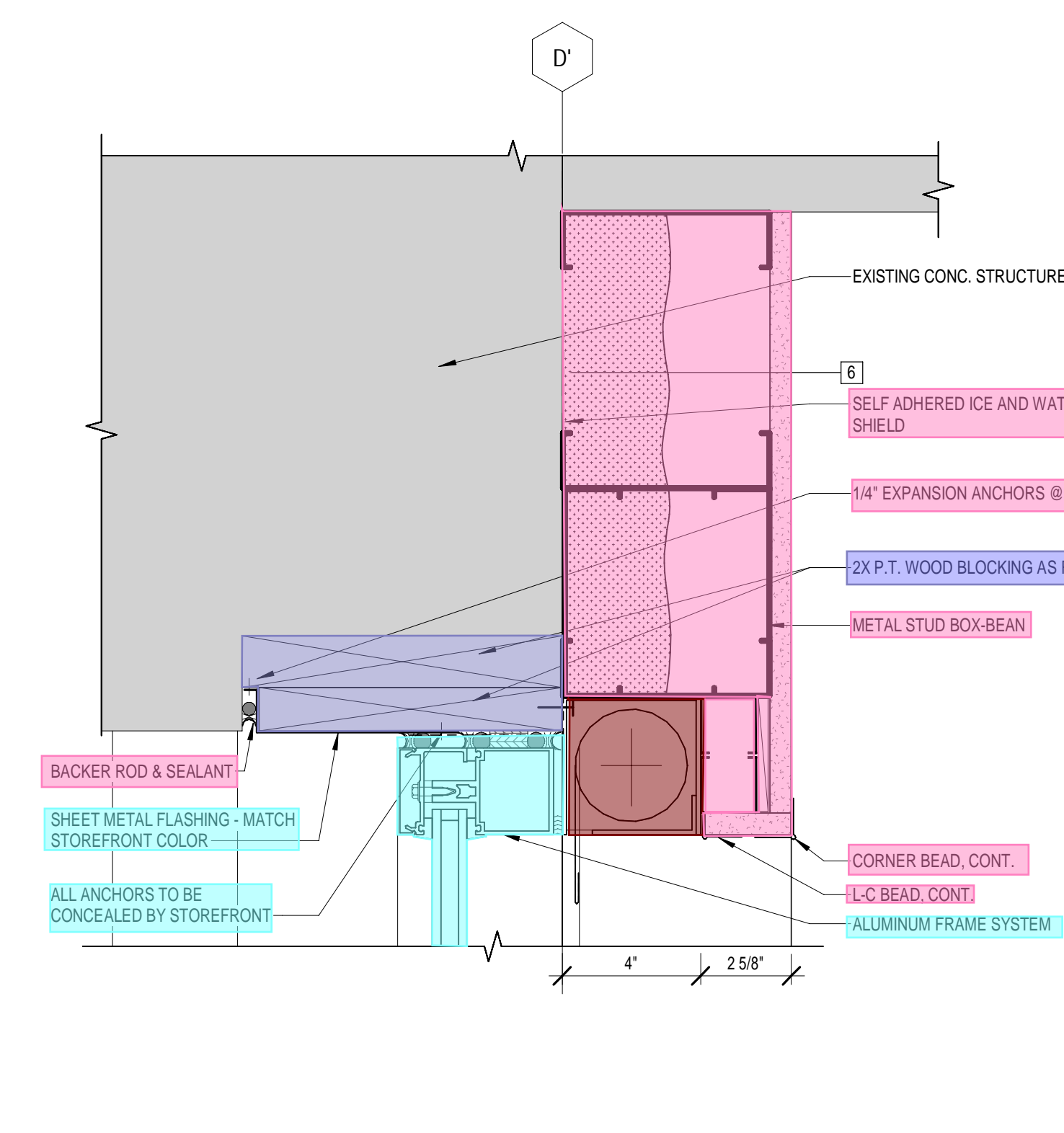
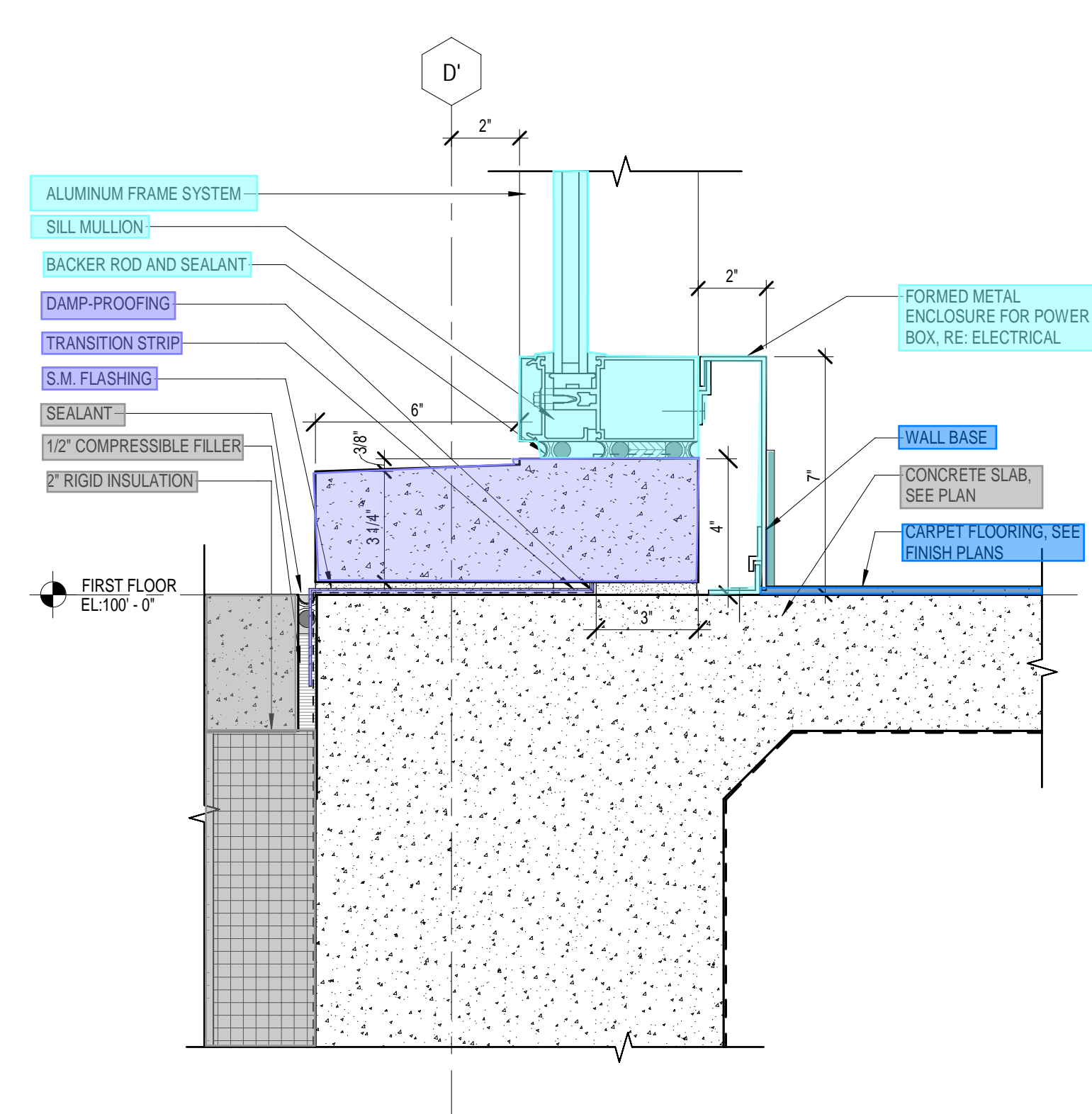
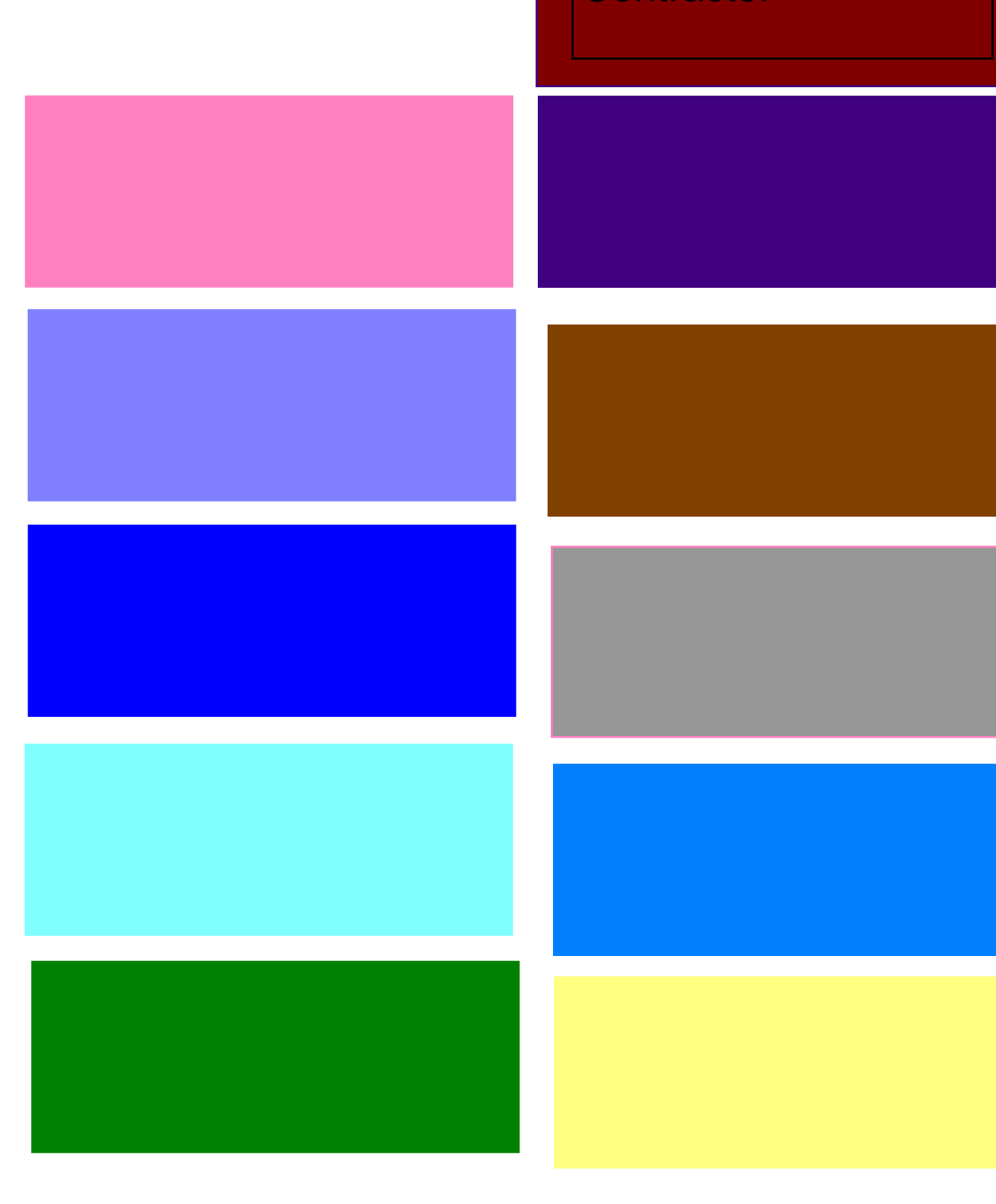
Type	No.	Date

SHEET

A8.5

9 SECTION DETAIL - SHADE FIN HEAD
3" = 1'-0"

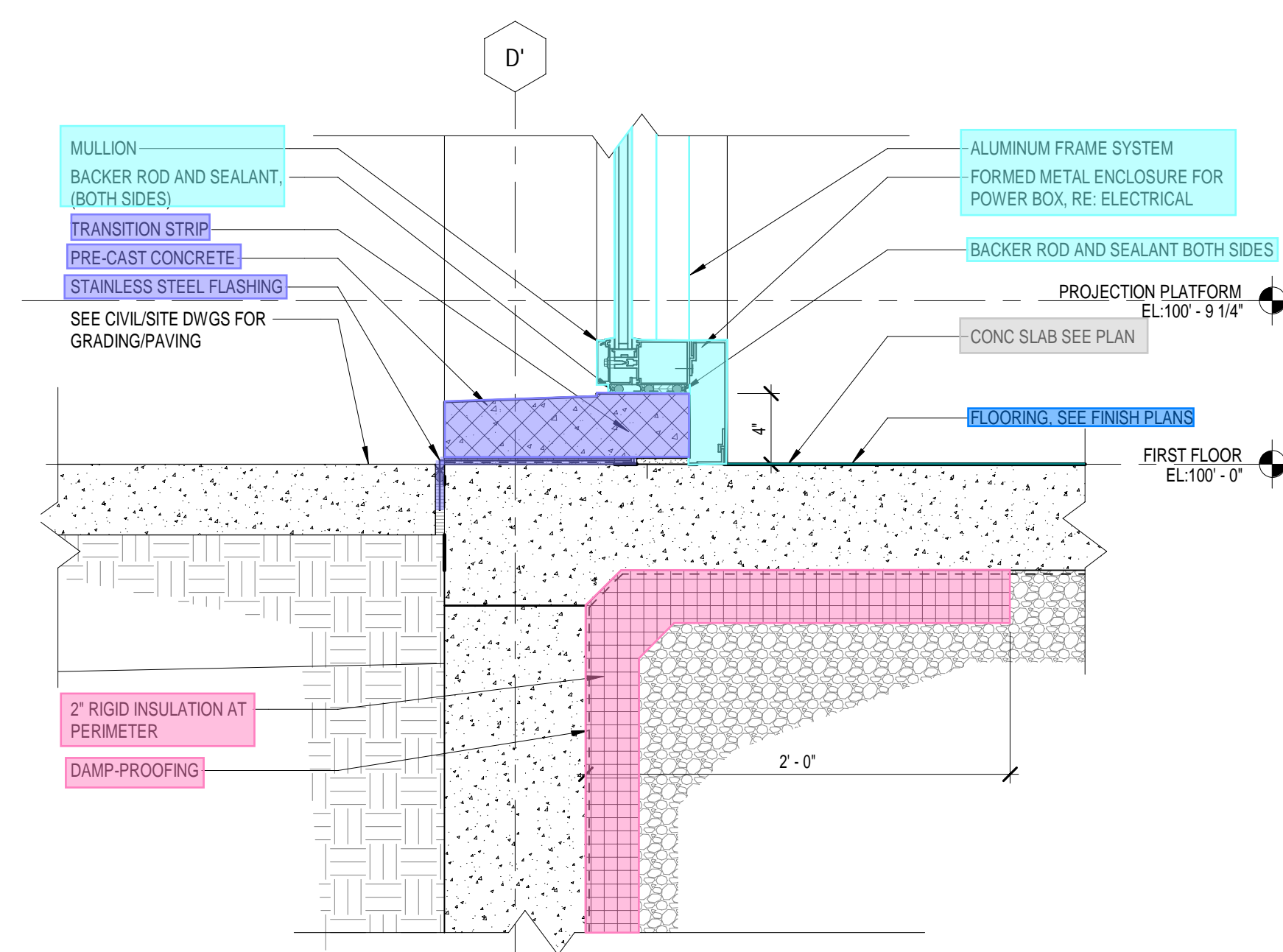
7 NOT USED

4 SECTION DETAIL - MORTORIZED SHADE @ LOBBY SUITE
3" = 1'-0"1 SECTION DETAIL - EXTERIOR SOFFIT TO SLAB
3" = 1'-0"10 SECTION DETAIL - SHADE FIN SILL
3" = 1'-0"5 SECTION DETAIL - HEAD
3" = 1'-0"2 SECTION DETAIL - TO UNDERSIDE OF SLAB
3" = 1'-0"11 SECTION DETAIL - CORNER CLASSROOMS' CURTAINWALL
3" = 1'-0"8 SECTION DETAIL - CLASSROOMS' HEAD
3" = 1'-0"6 SECTION DETAIL - SILL
3" = 1'-0"

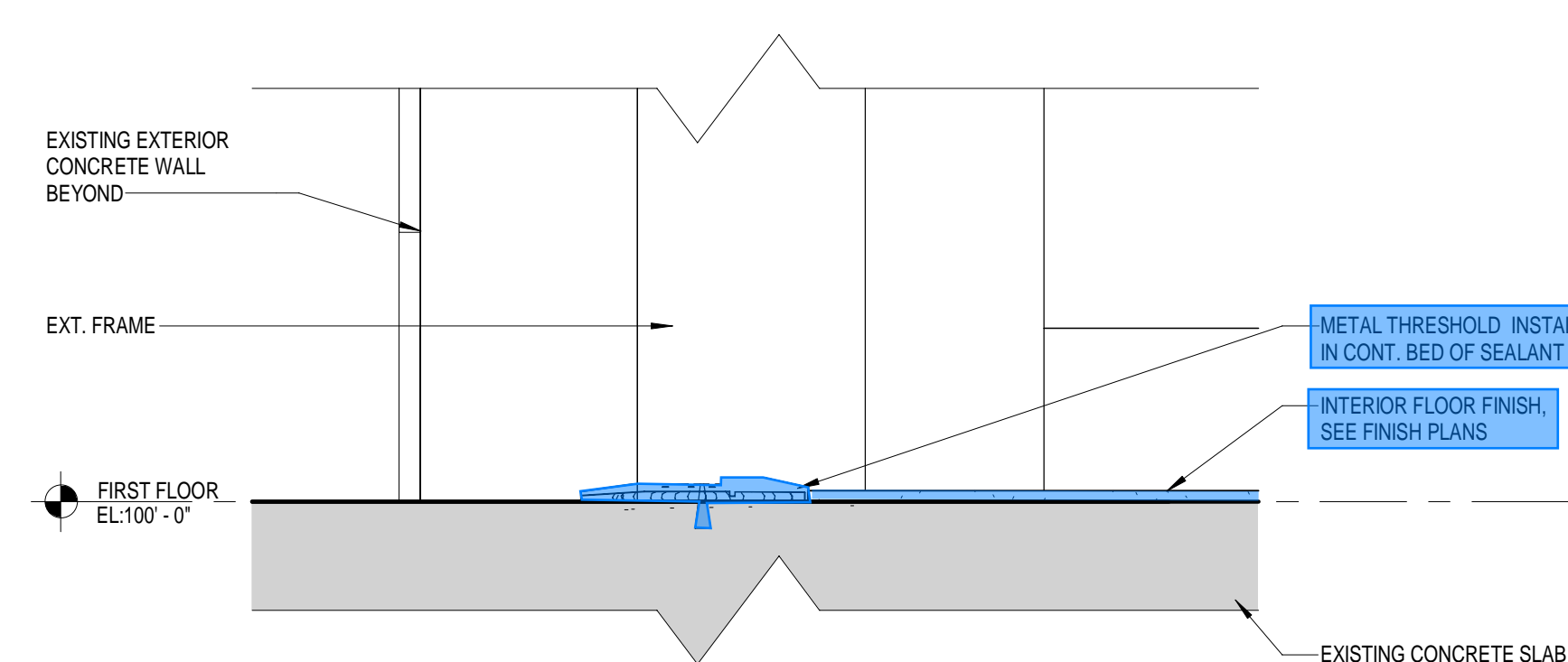
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Exhibit T Scope Detail Sheet

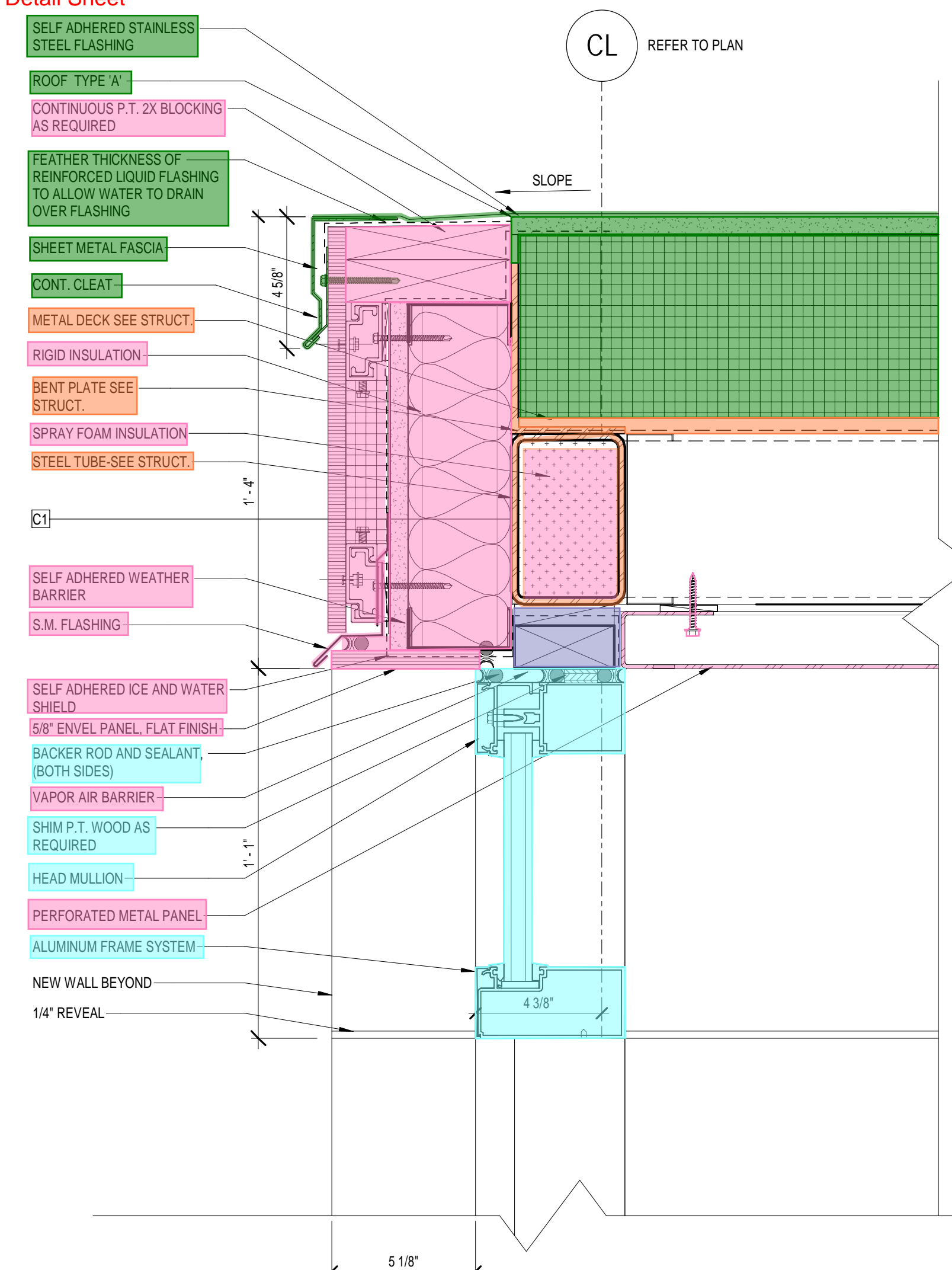
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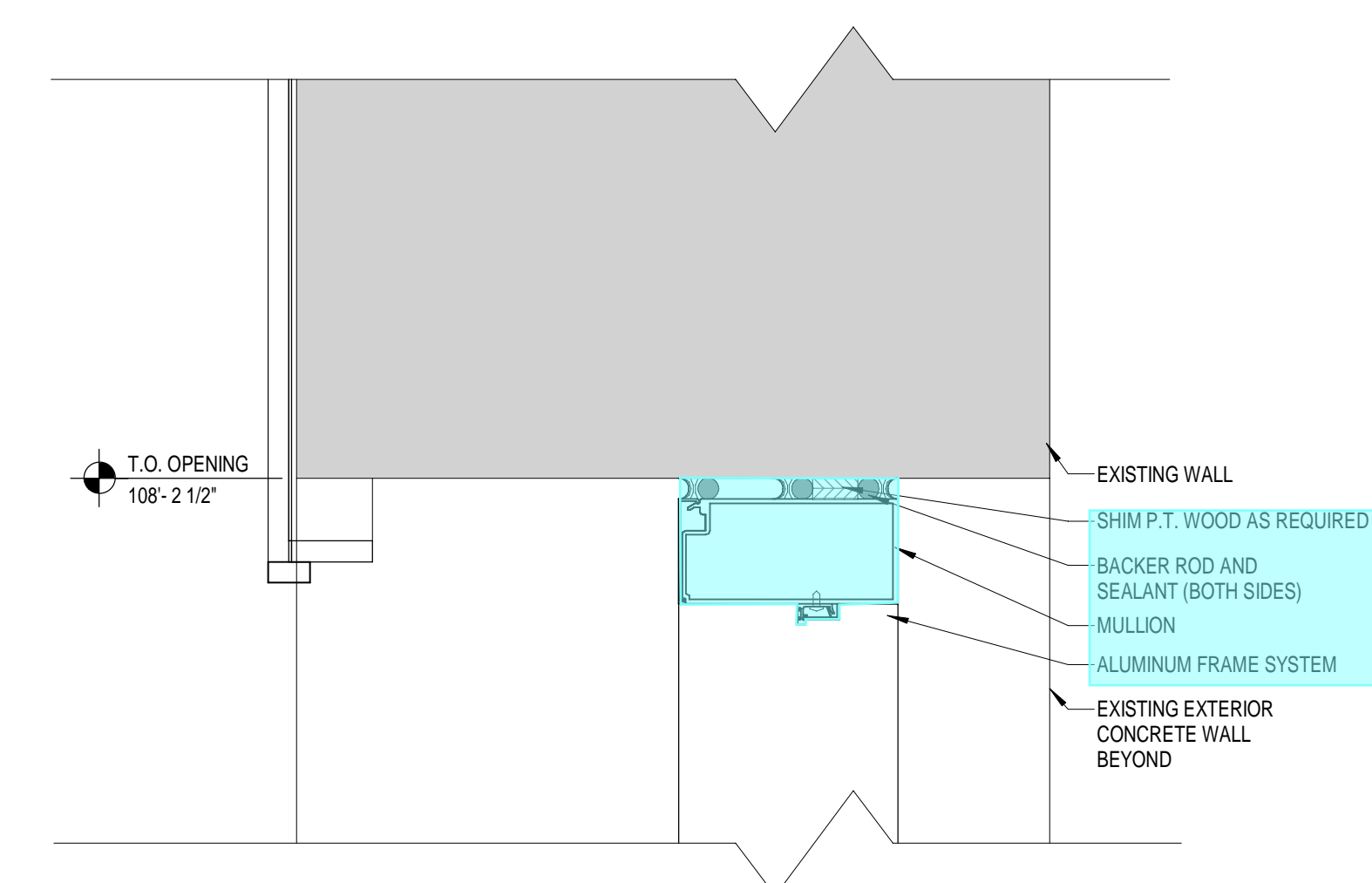
10 SECTION DETAIL
1 1/2" = 1'-0"



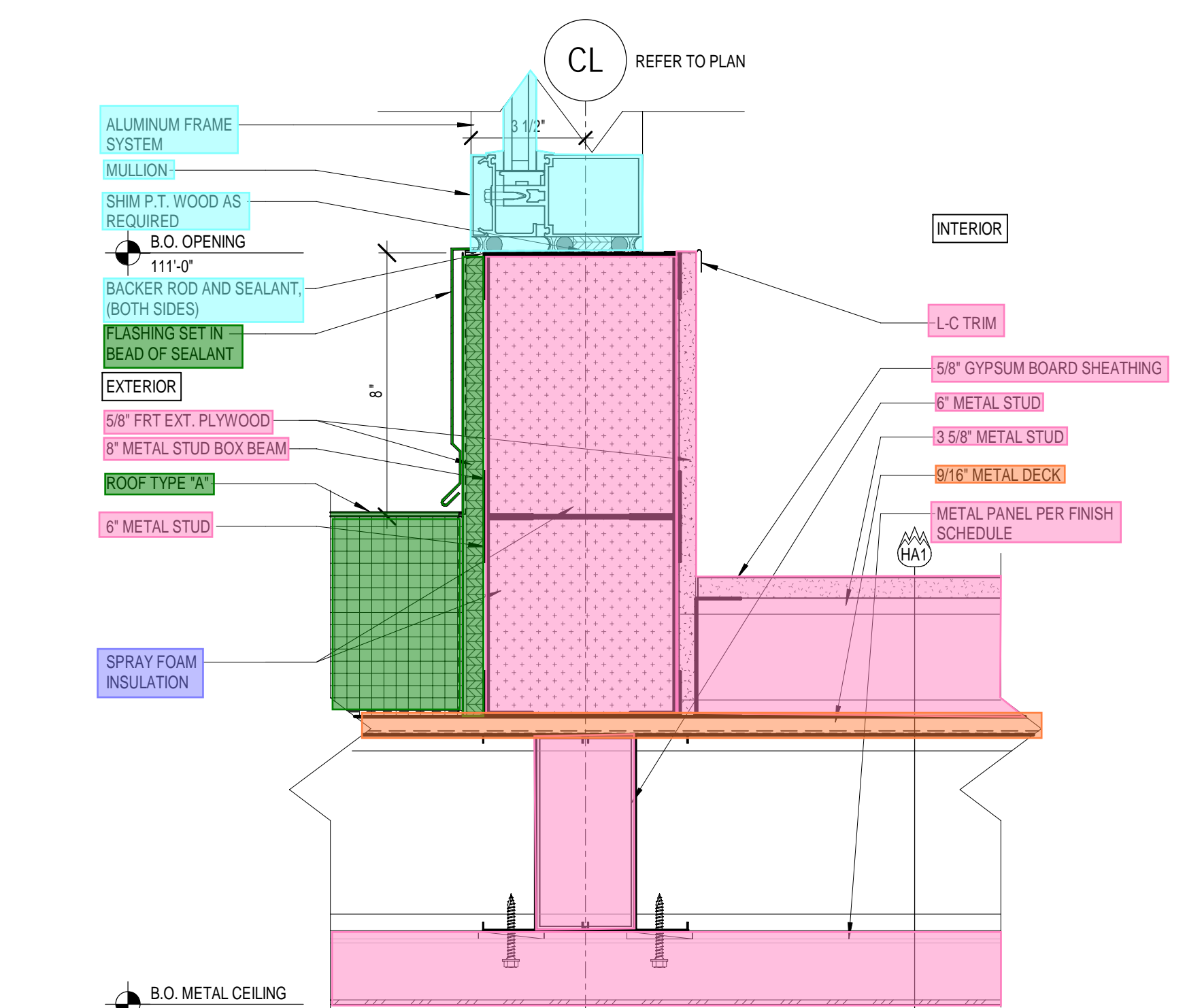
7 SECTION DETAIL
3" = 1'-0"



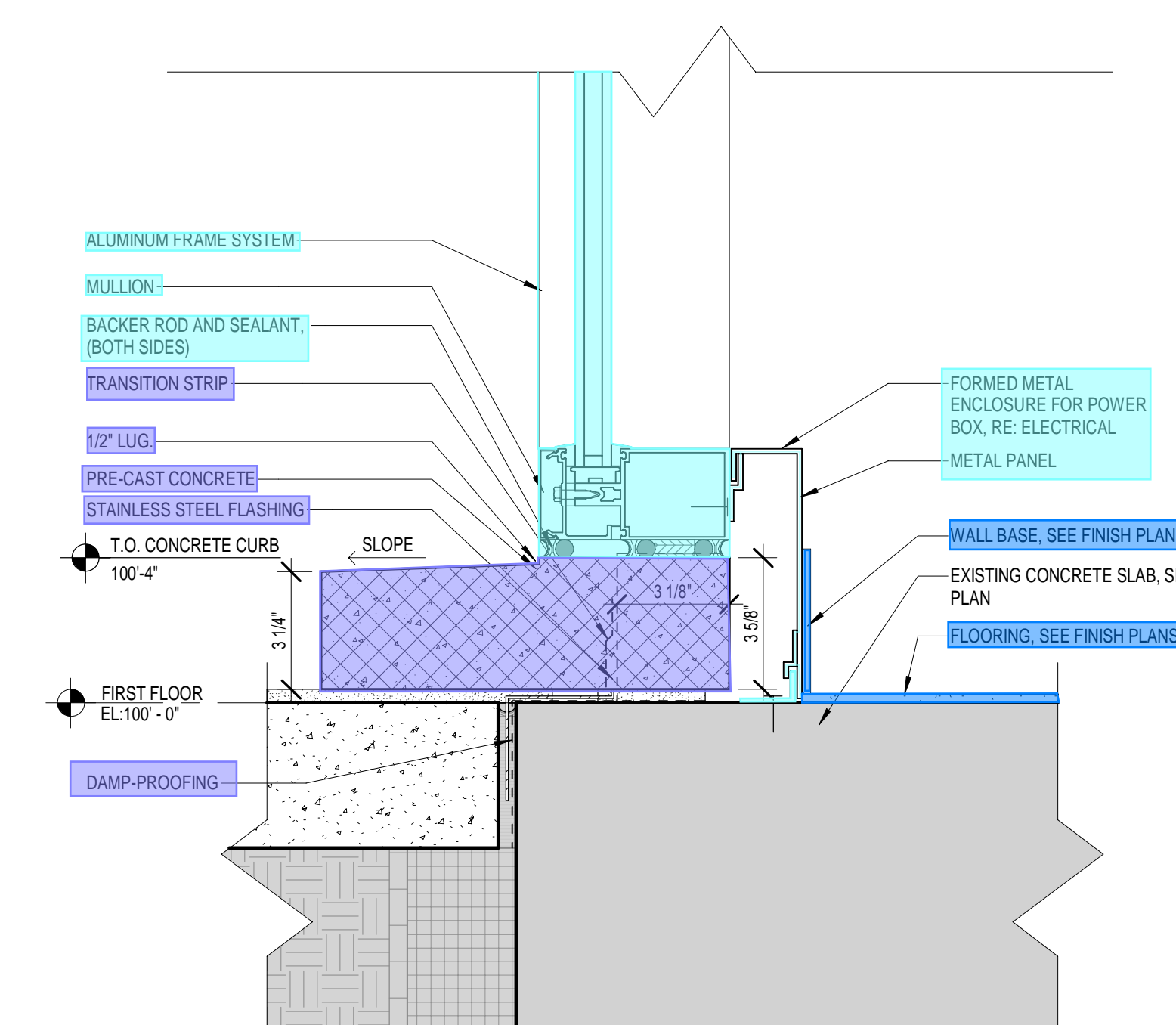
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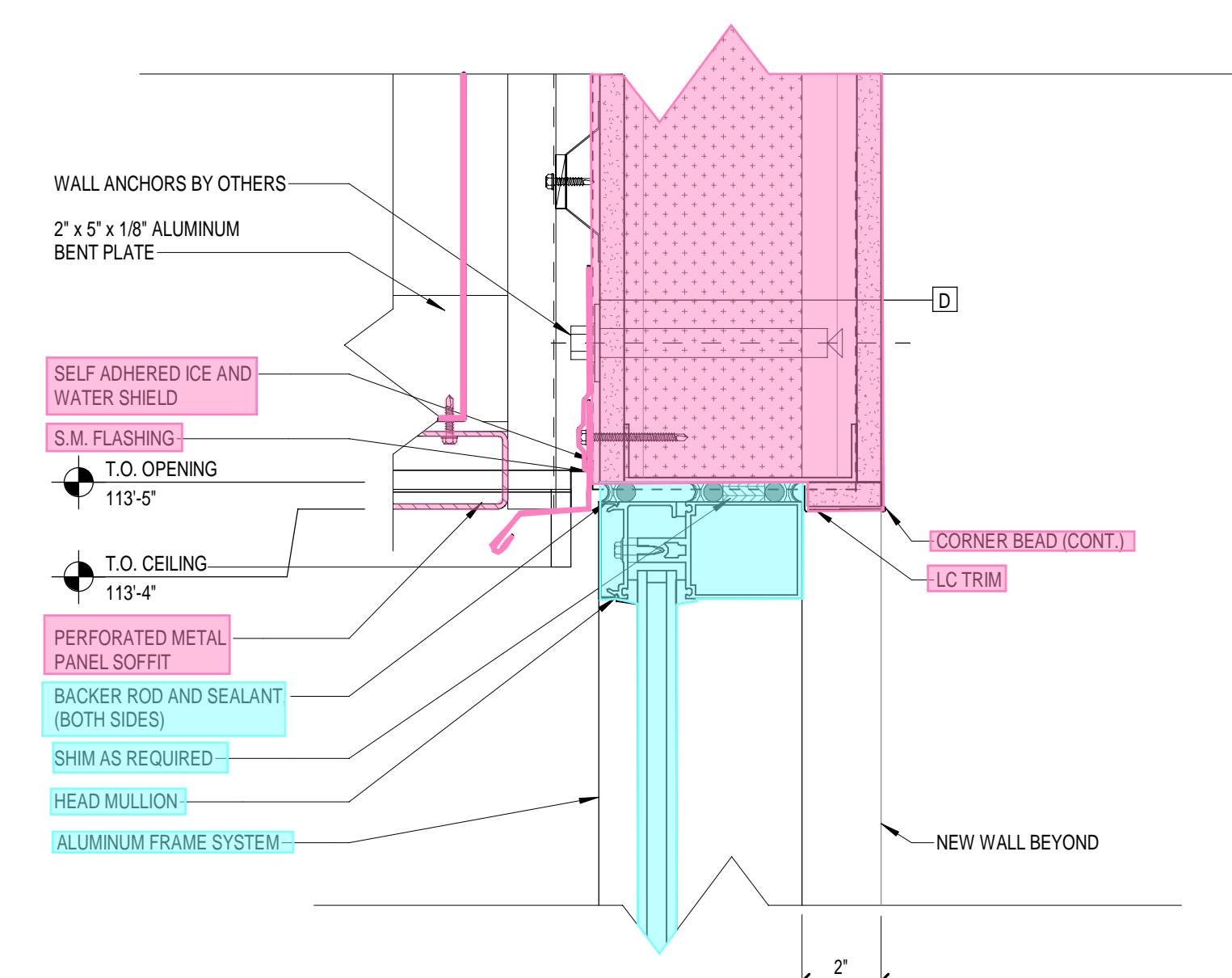
1 SECTION DETAIL
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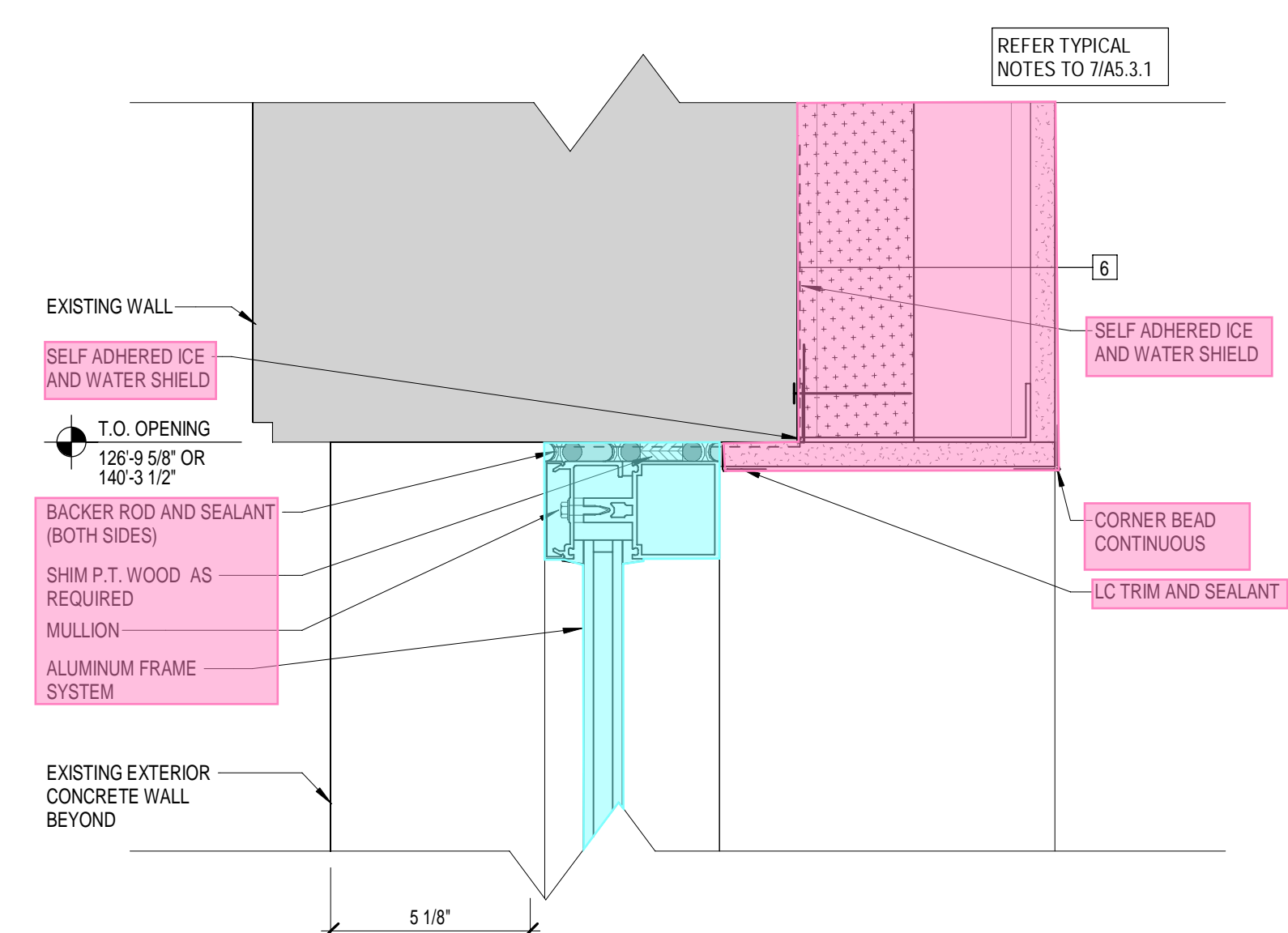
11 SECTION DETAIL
3" = 1'-0"



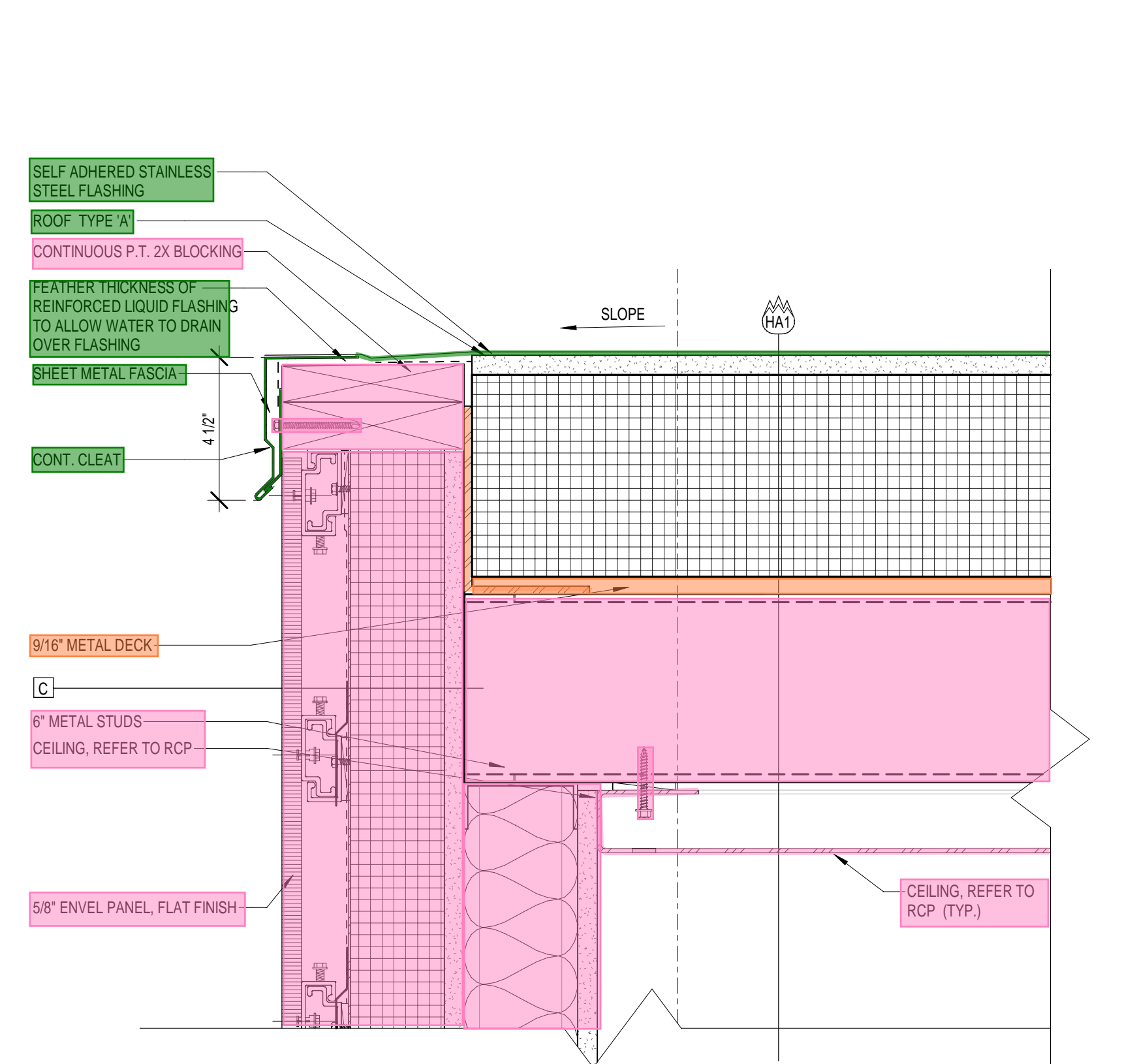
8 SECTION DETAIL
3" = 1'-0"



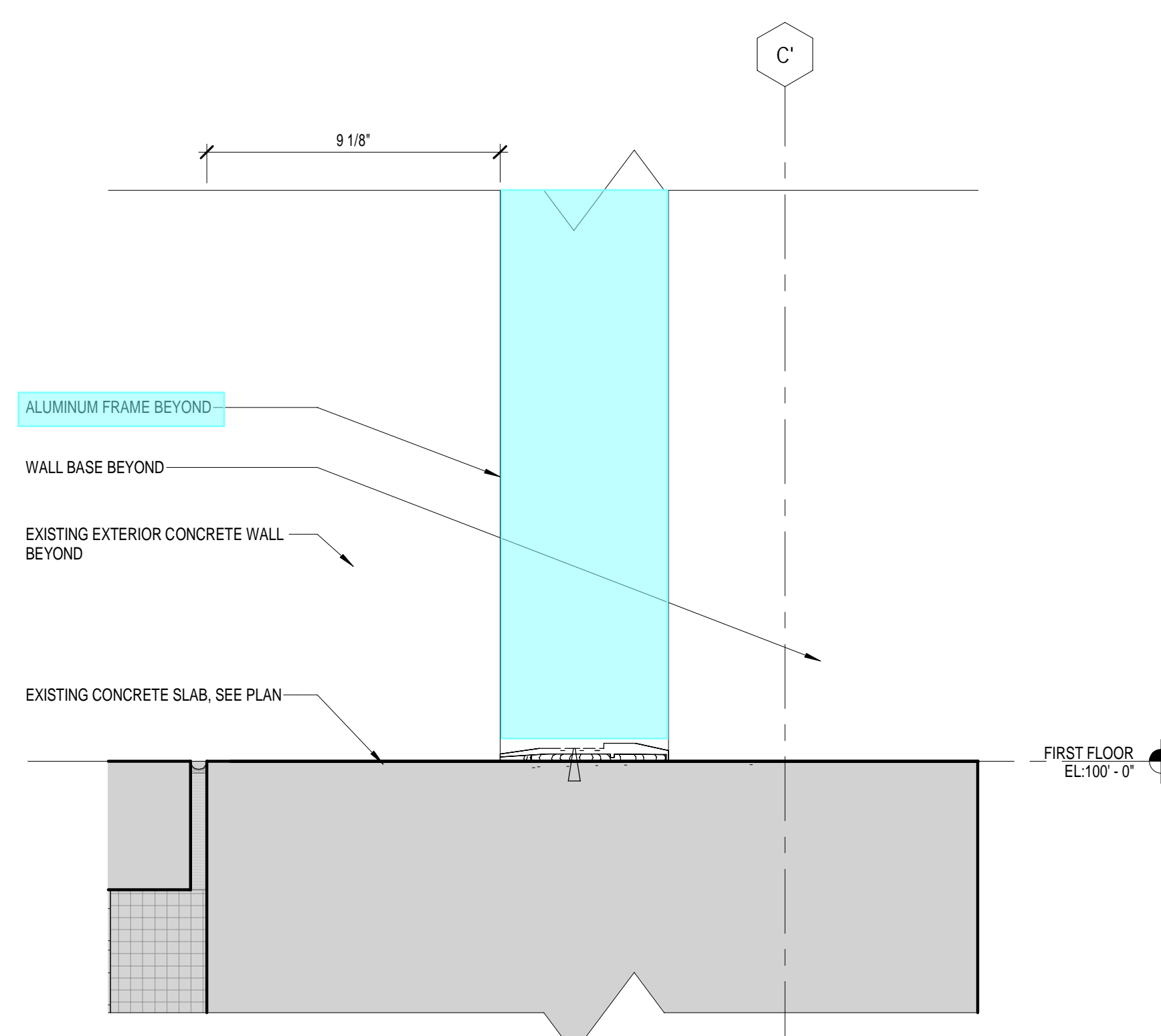
5 SECTION DETAIL
3" = 1'-0"



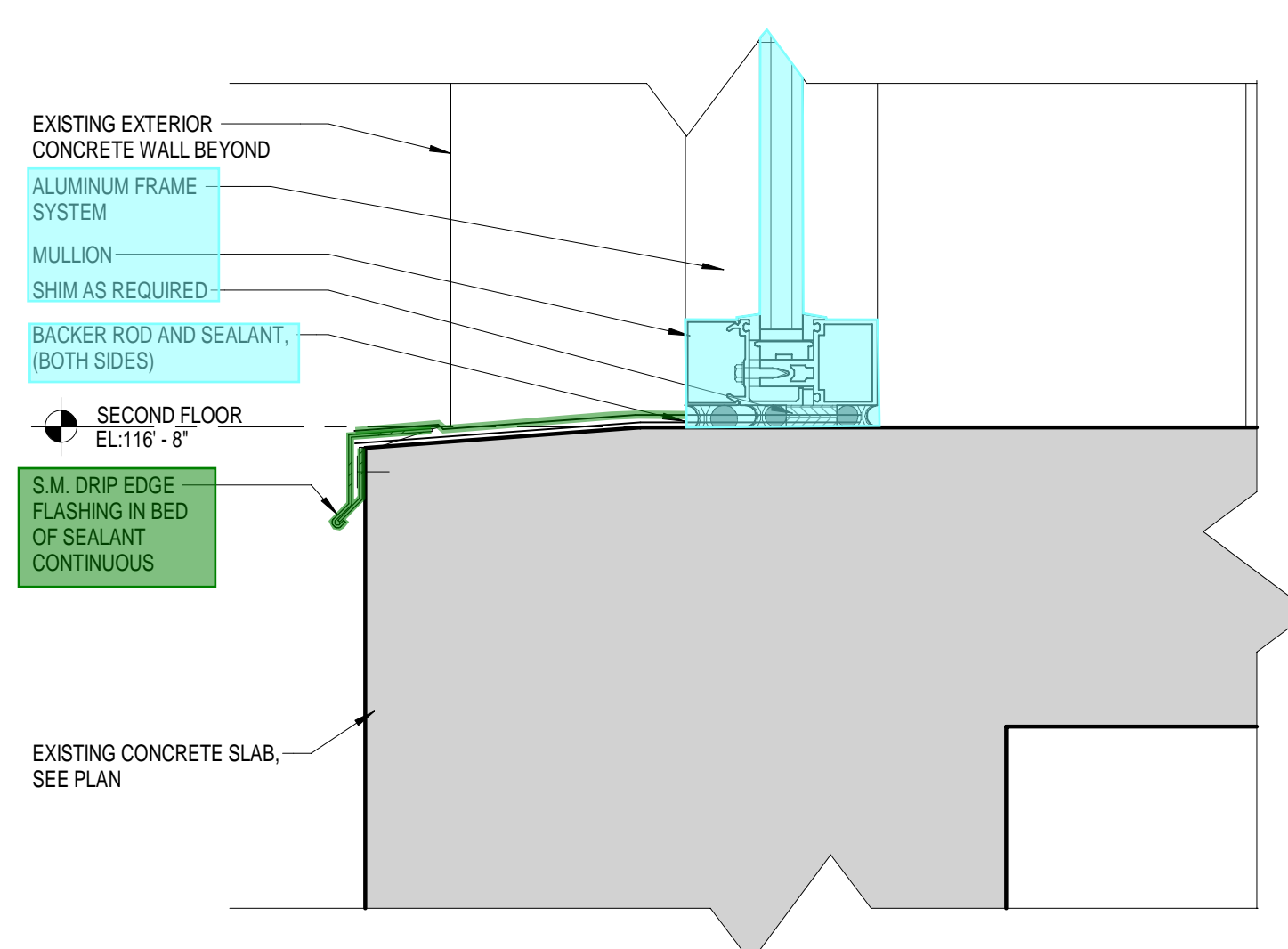
2 SECTION DETAIL
3" = 1'-0"



12 SECTION DETAIL
3" = 1'-0"



9 SECTION DETAIL
3" = 1'-0"



6 SECTION DETAIL
3" = 1'-0"



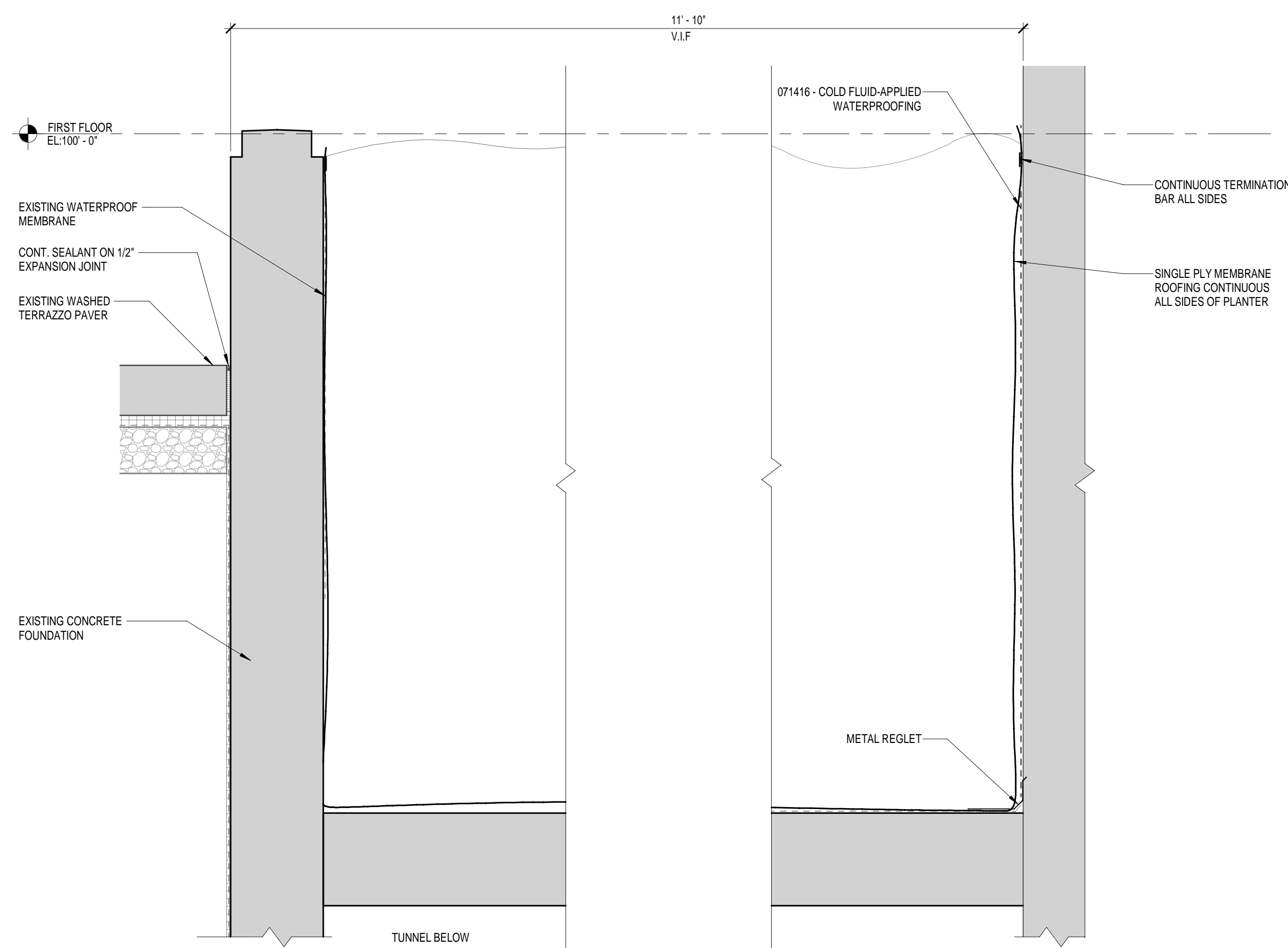
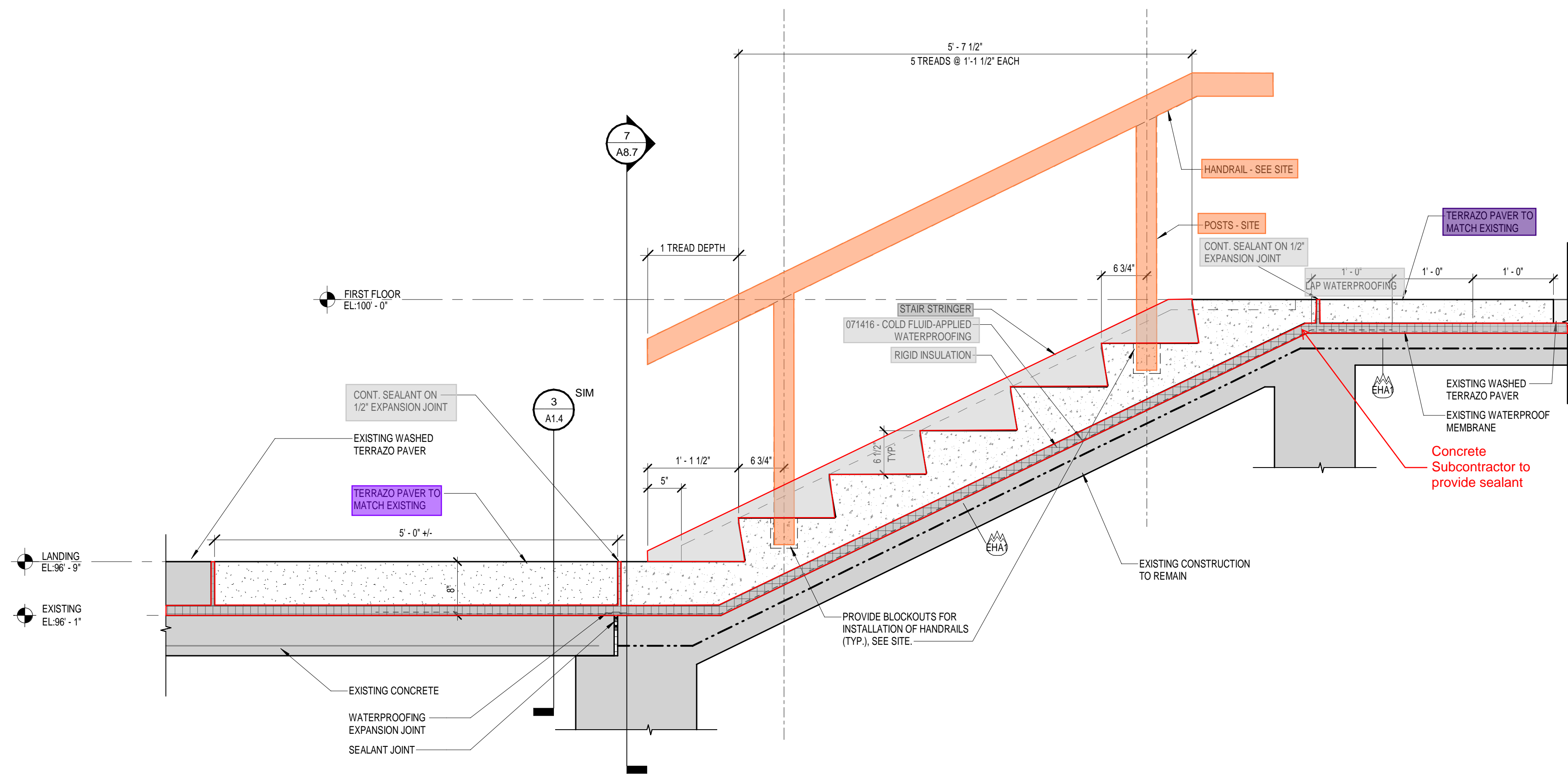
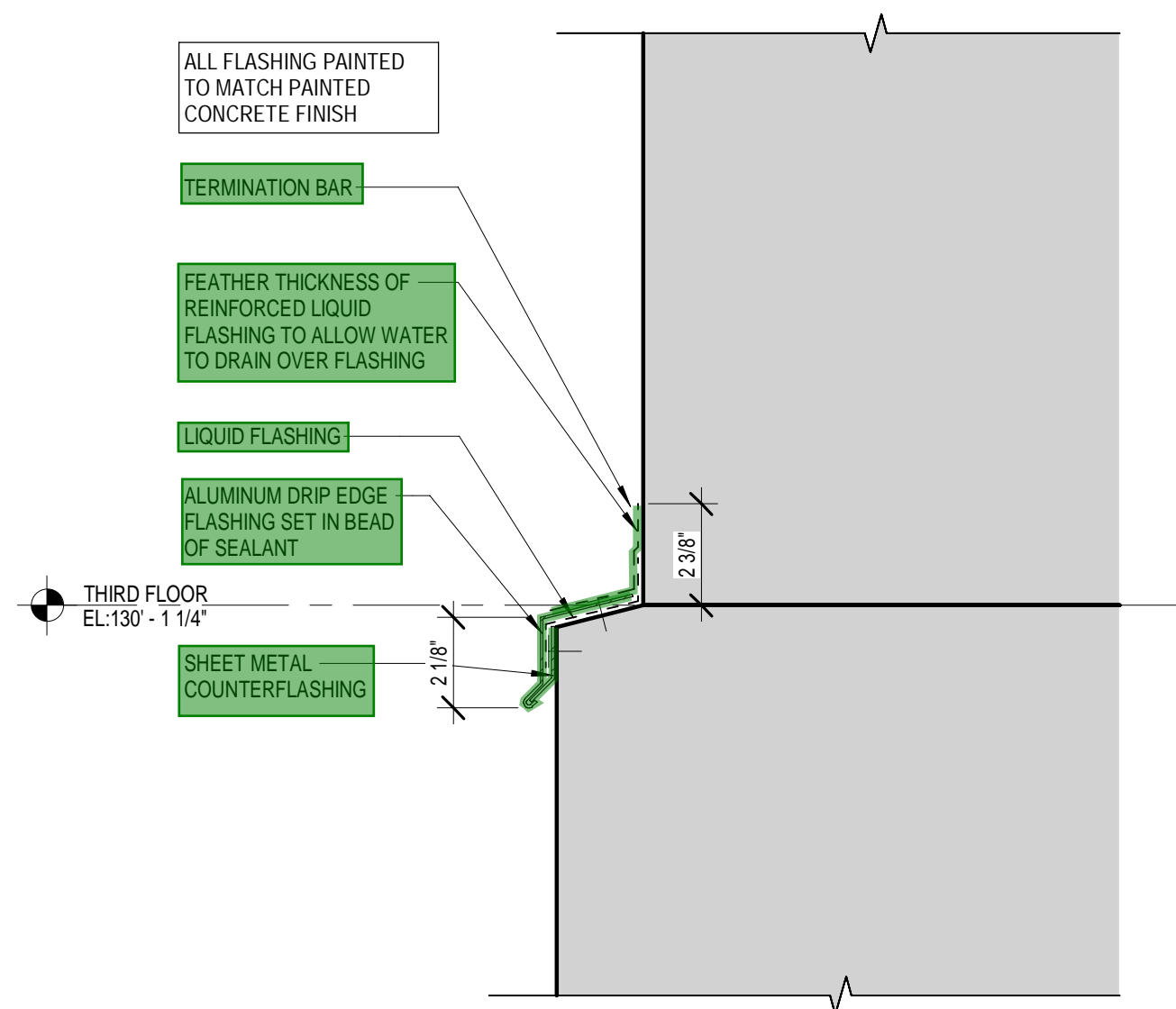
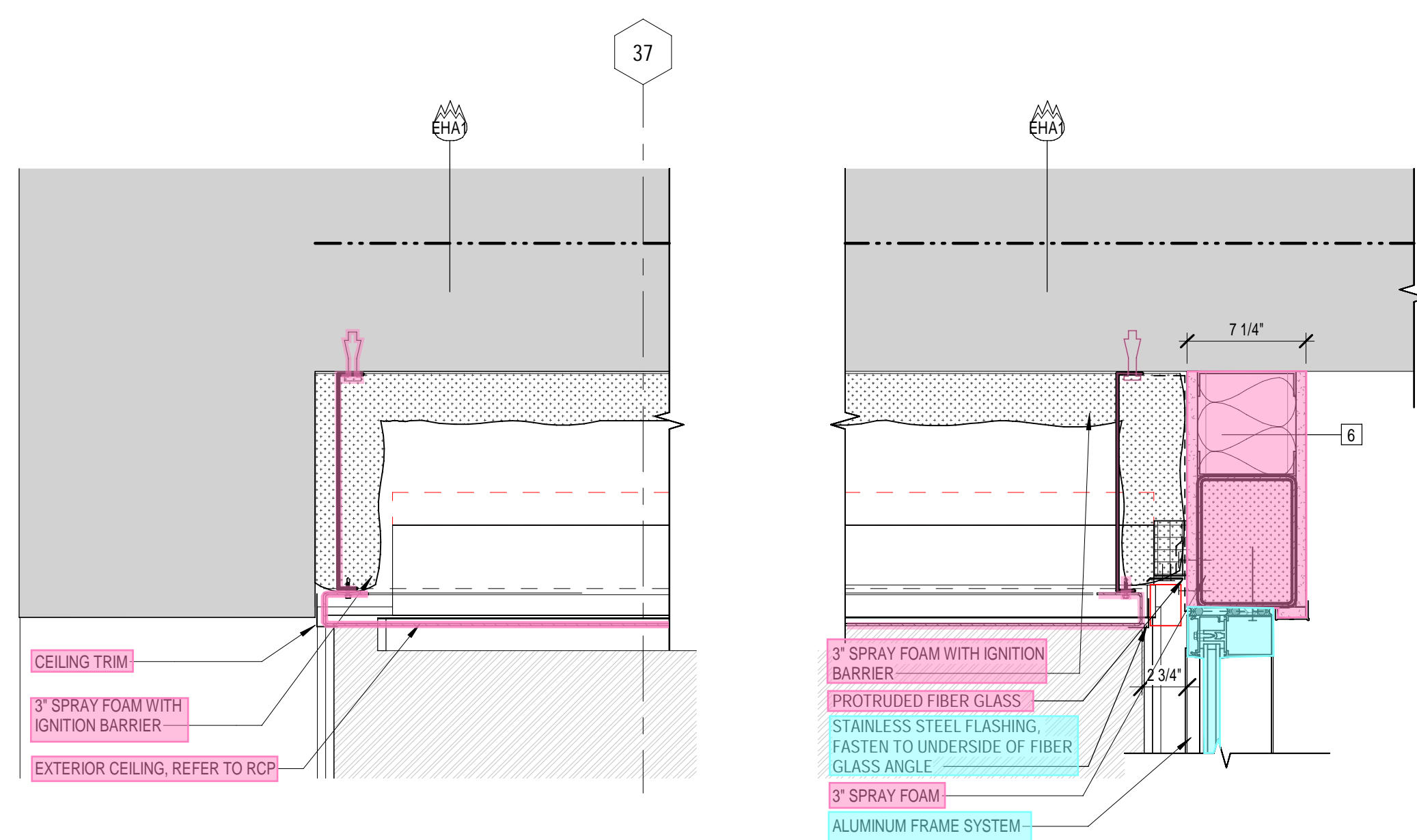
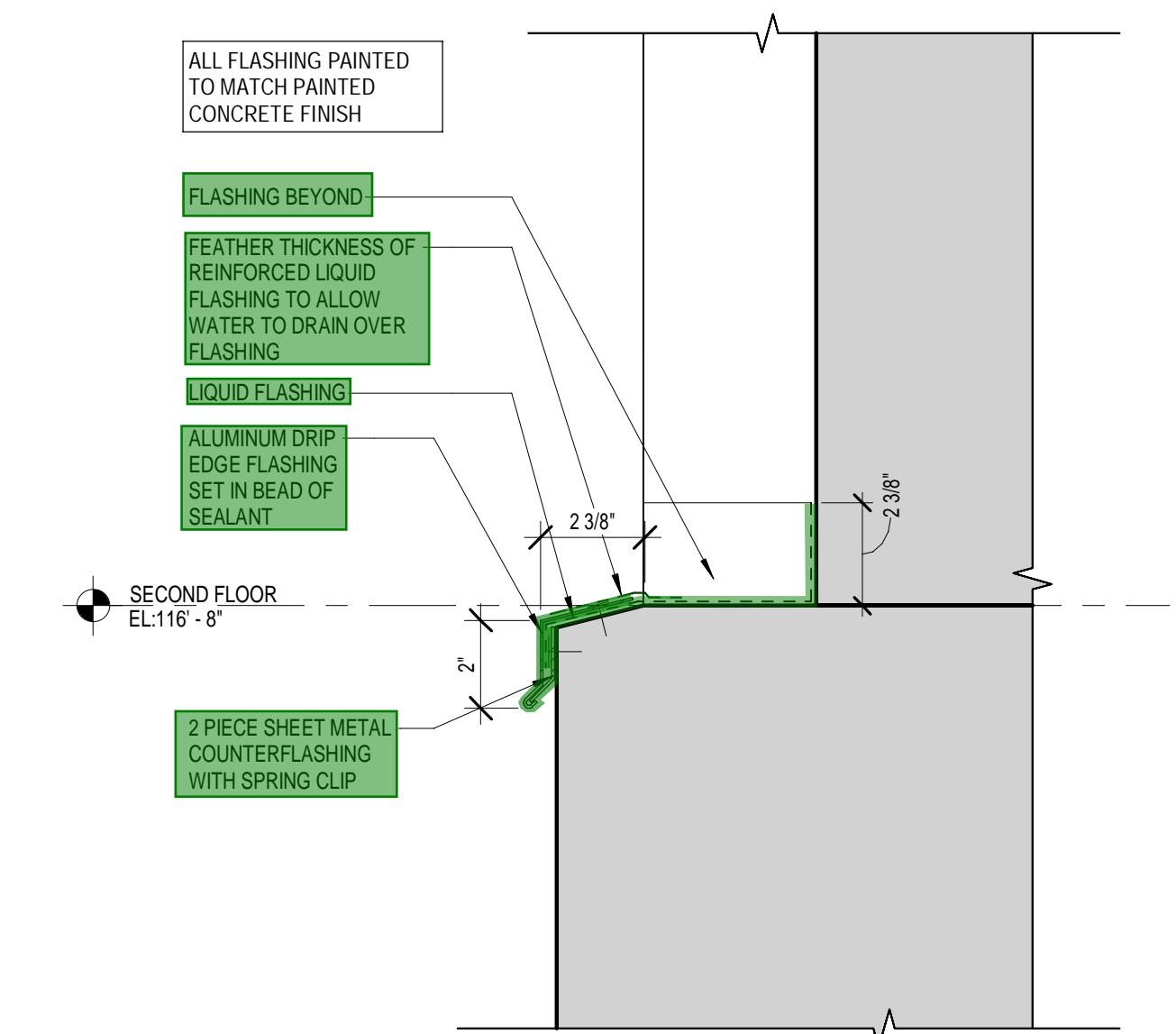
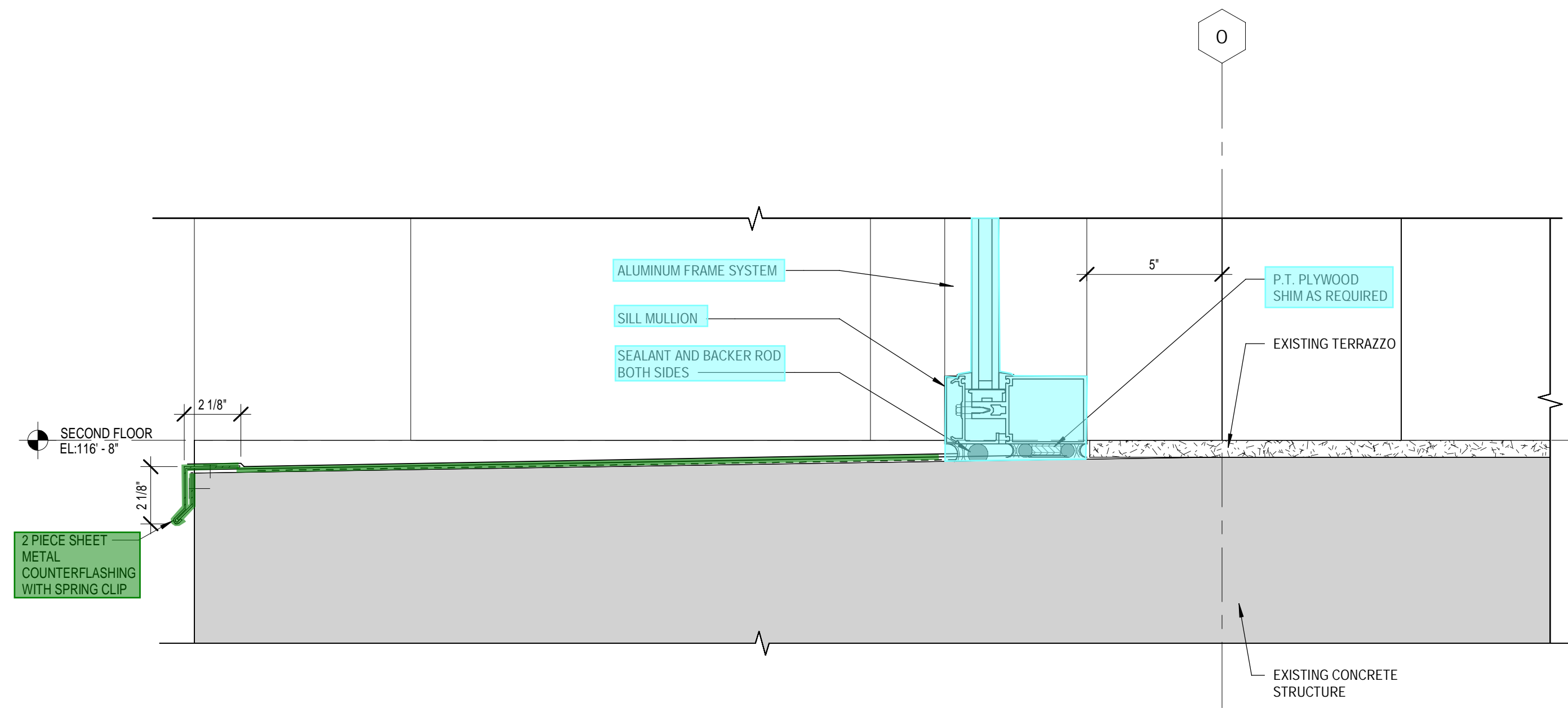
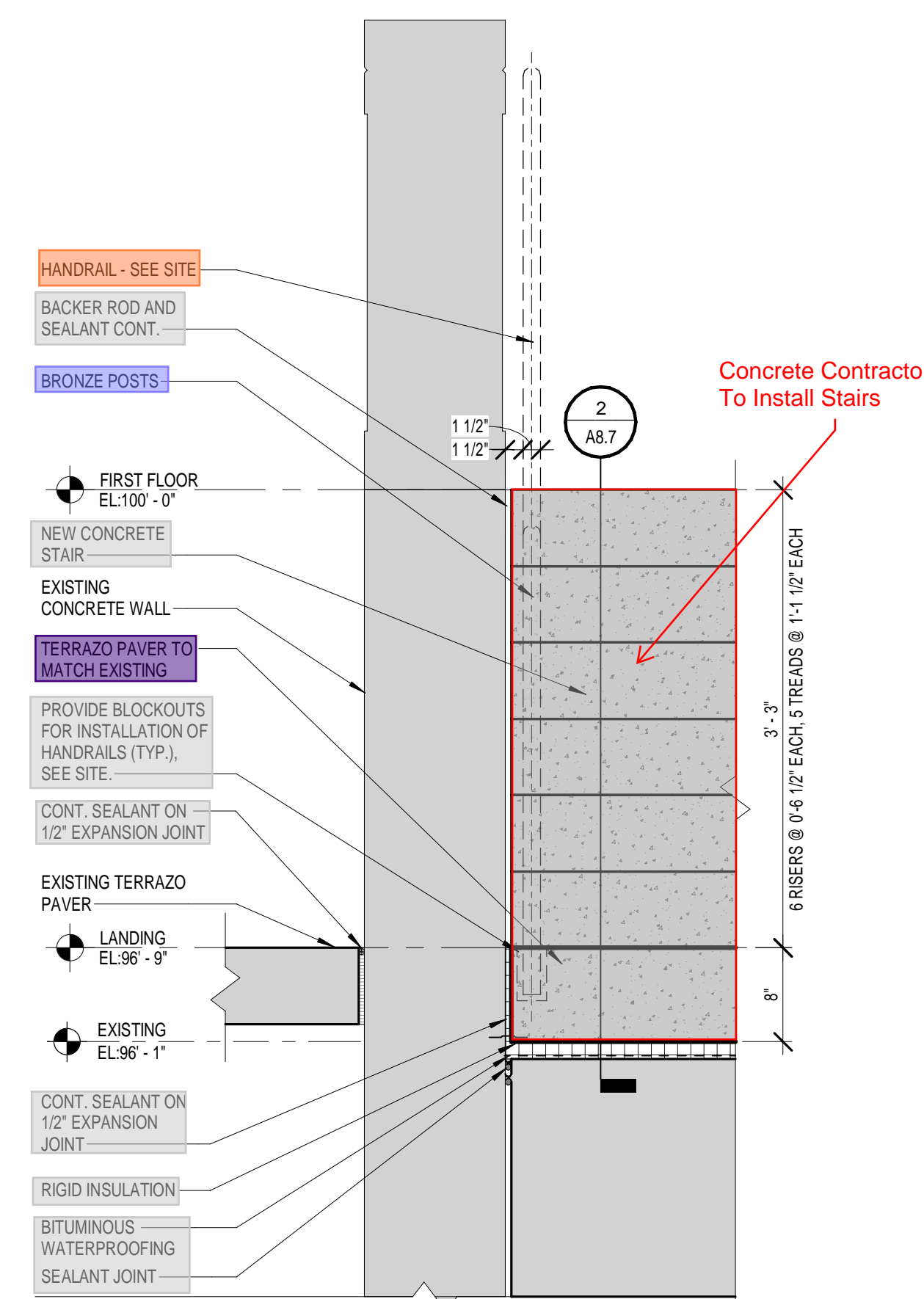
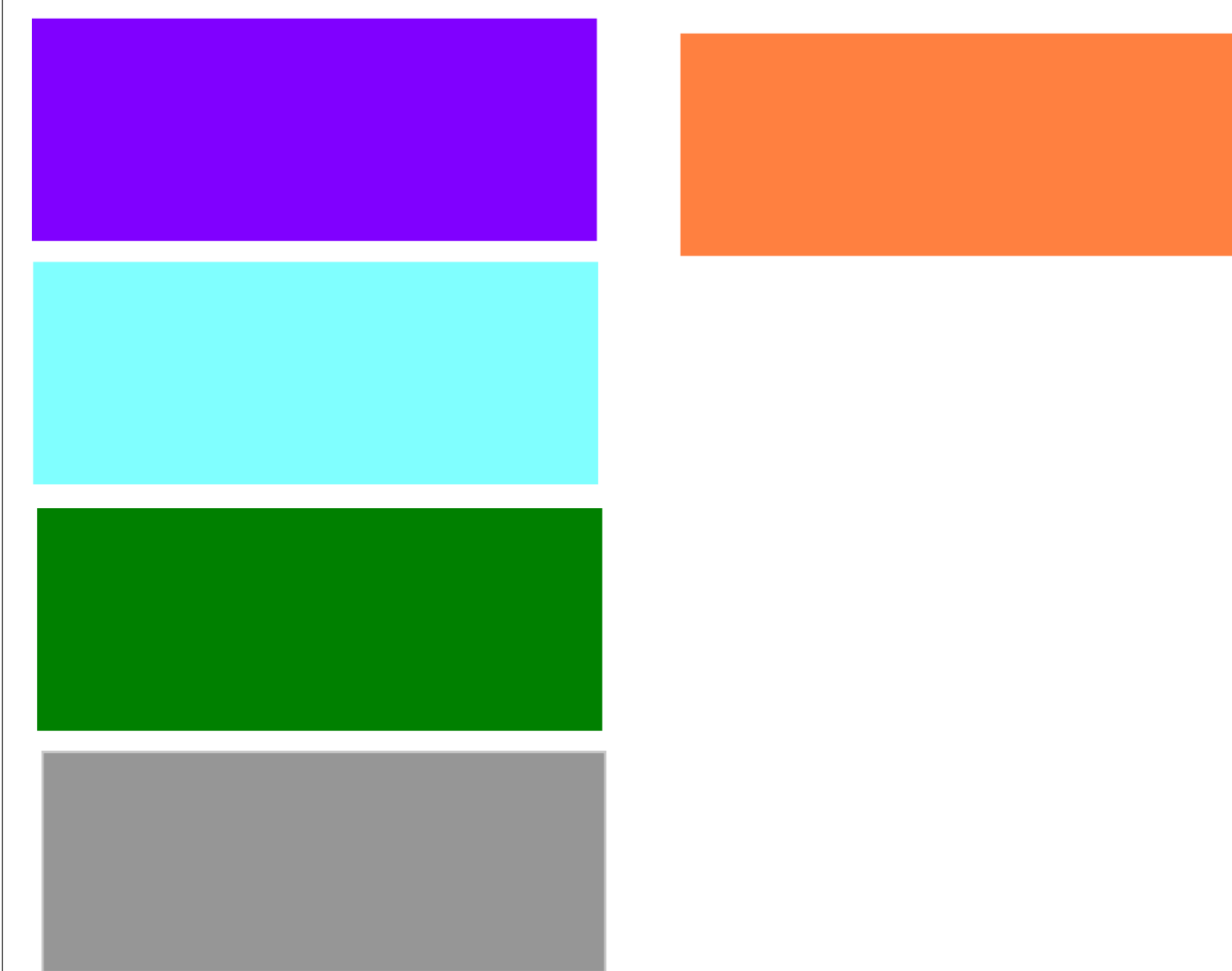
3 NOT USED
3" = 1'-0"

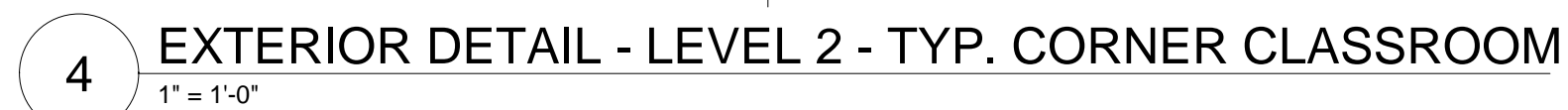


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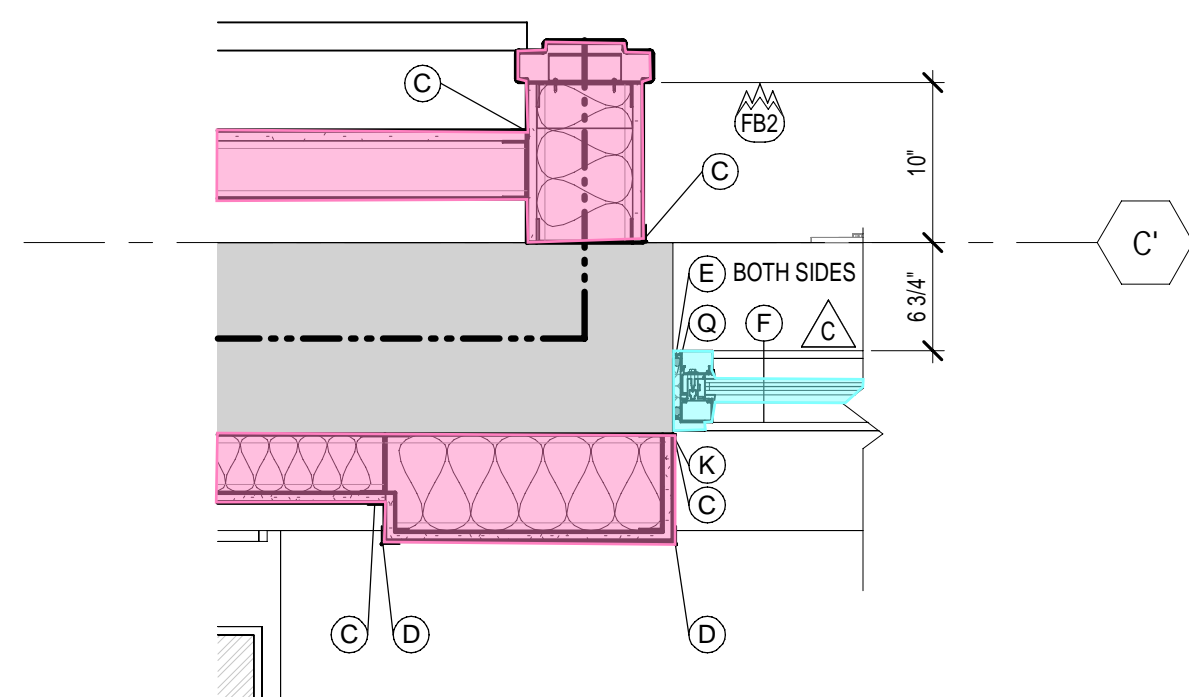
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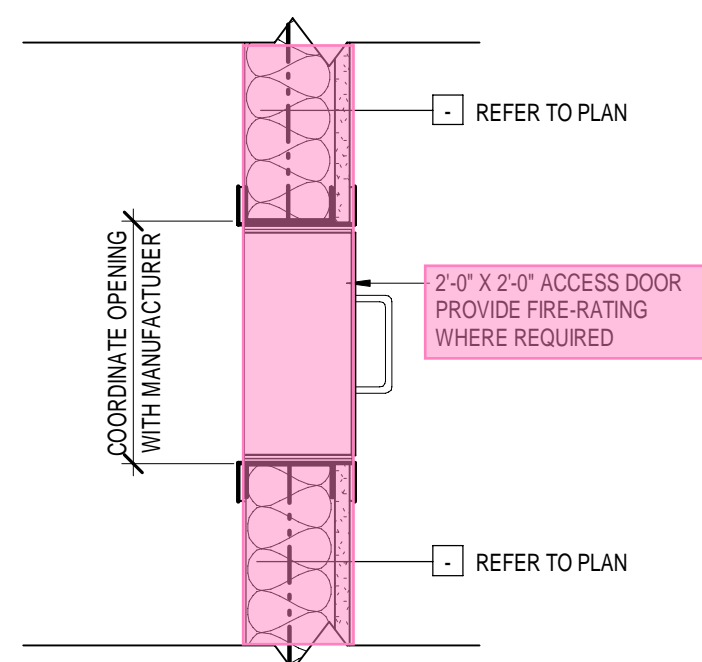
1 SECTION DETAIL - WATERPROOFING AT PLANTER
1" = 1'-0"2 SECTION DETAIL - WATERPROOFING AT SITE STAIR
1" = 1'-0"3 SECTION DETAIL - DRIP EDGE
3" = 1'-0"5 SECTION DETAIL - VESTIBULE AT ENTRANCE
1 1/2" = 1'-0"4 SECTION DETAIL - DRIP EDGE AT REVEAL
3" = 1'-0"6 SECTION DETAIL - SILL DETAIL AT ENLARGED OPENING
3" = 1'-0"7 SECTION DETAIL - WATERPROOFING AT SITE STAIR
1" = 1'-0"



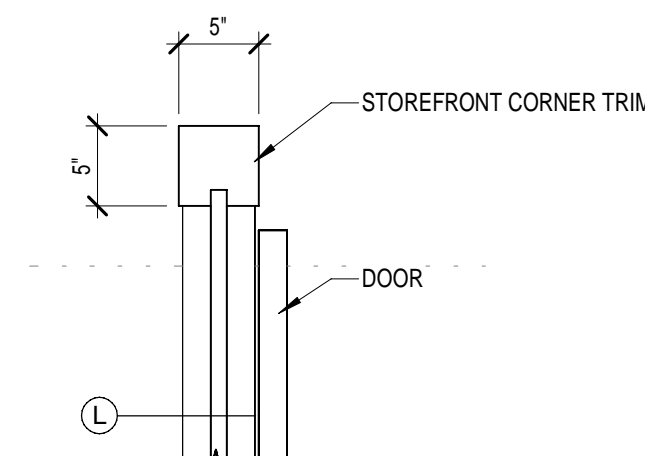
- | | |
|----|--|
| A. | OVERHEAD COILING GRILLE AND TRUCK. |
| B. | EXISTING CONSTRUCTION TO REMAIN. |
| C. | LC TRIM AND SEALANT; CONT. FULL HEIGHT. |
| D. | METAL CORNER BEAD; CONT. FULL HEIGHT. |
| E. | 3"X BACKER ROD AND SEALANT; CONT. FULL HEIGHT. |
| F. | ALUM. STOREFRONT JNT. |
| G. | GYPSUM BOARD CONTROL JONT; BOTH SIDES, WHERE APPLICABLE. |
| H. | 2X PT. WOOD NAILER, CONTINUE AT FRAME; CUT AS REQUIRED. |
| J. | 1X PT. WOOD BLOCKING. |
| K. | ALIGN FRAMING WITH EXISTING CONSTRUCTION. |
| L. | ALUMINUM CURTAINWALL SYSTEM. |
| M. | MOLLOU METAL FRAME (PAINT), REFER TO DOOR SCHEDULE. |
| N. | S.M. TRIM AS REQUIRED. |
| Q. | 1/2" P.T. PLYWOOD SHIM. |
| R. | ALUMINUM BLADE. |
| S. | SELF ADHERED ICE AND WATER SHIELD. |
| T. | METAL CORNER TRIM FULL HEIGHT. |



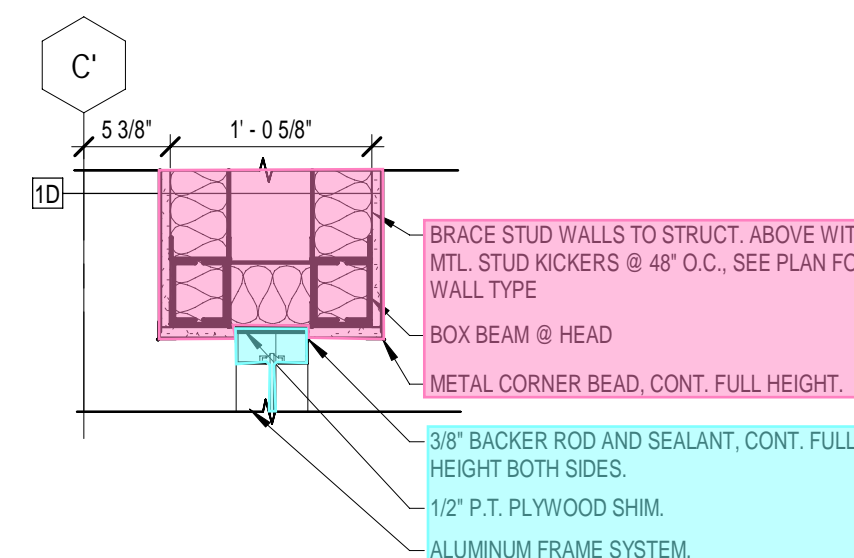
12 PLAN DETAIL - JAMB



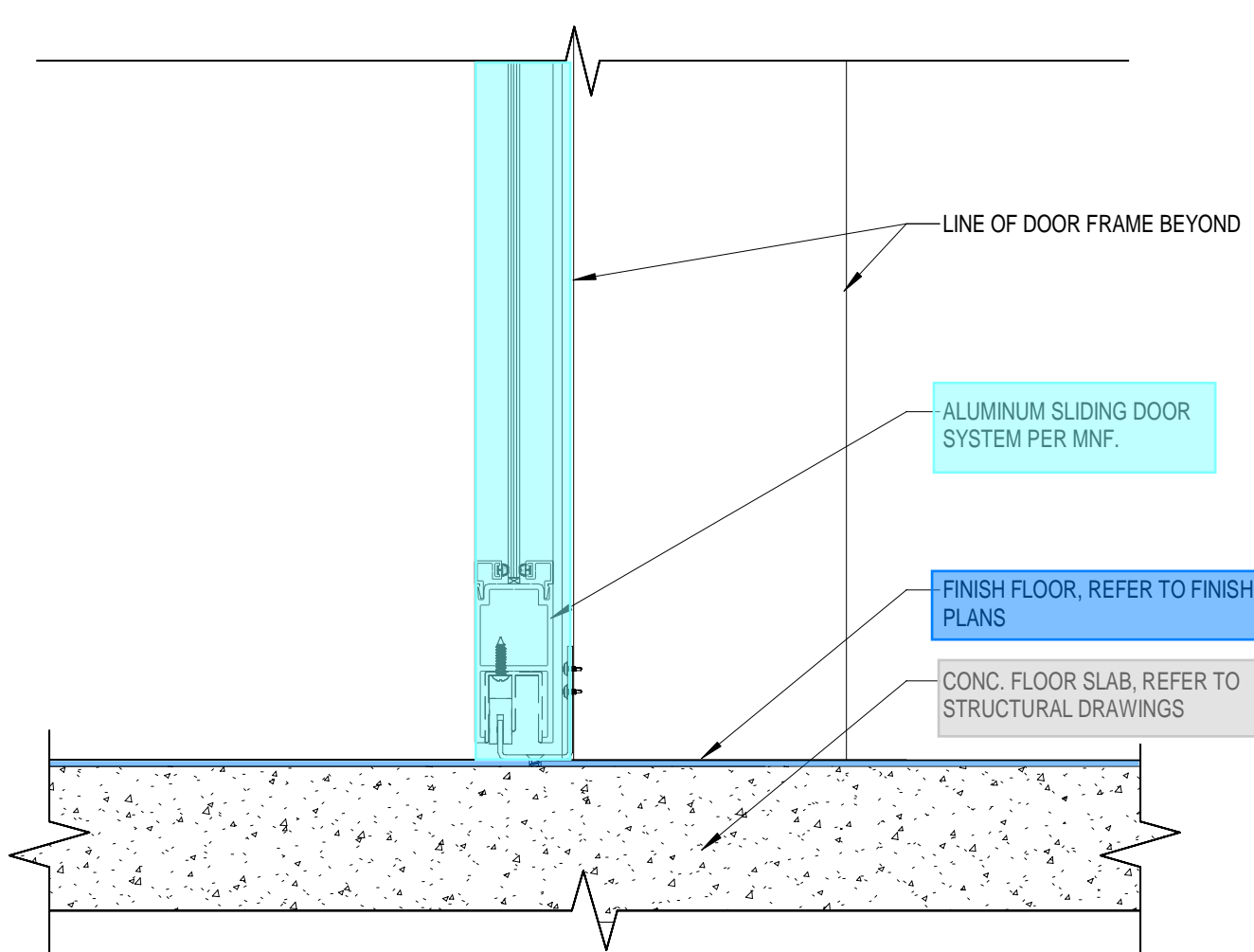
8 ACCESS PANEL DETAIL



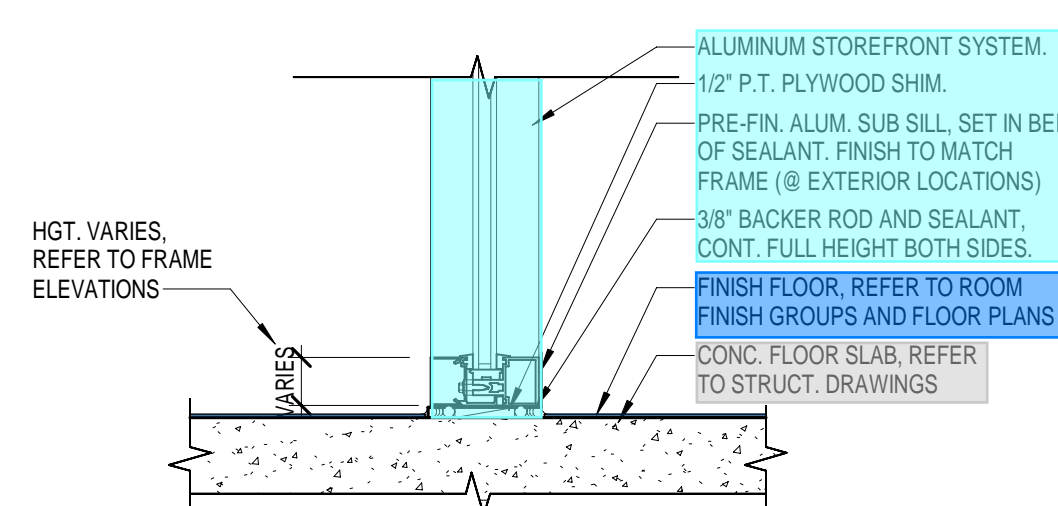
4 JAMB DETAIL LEVEL 1
1" = 1'-0"



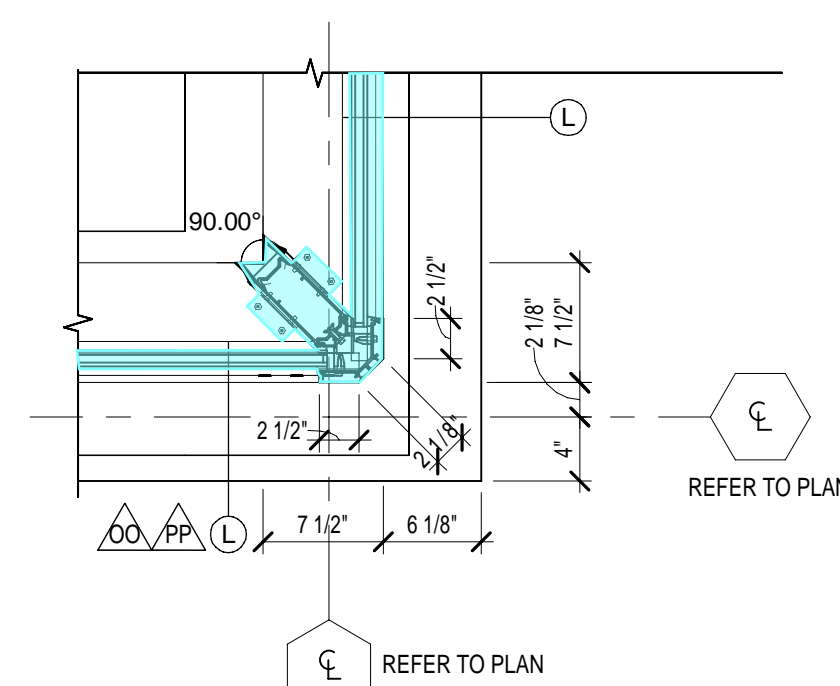
1 HEAD DETAIL
1" = 1'-0"



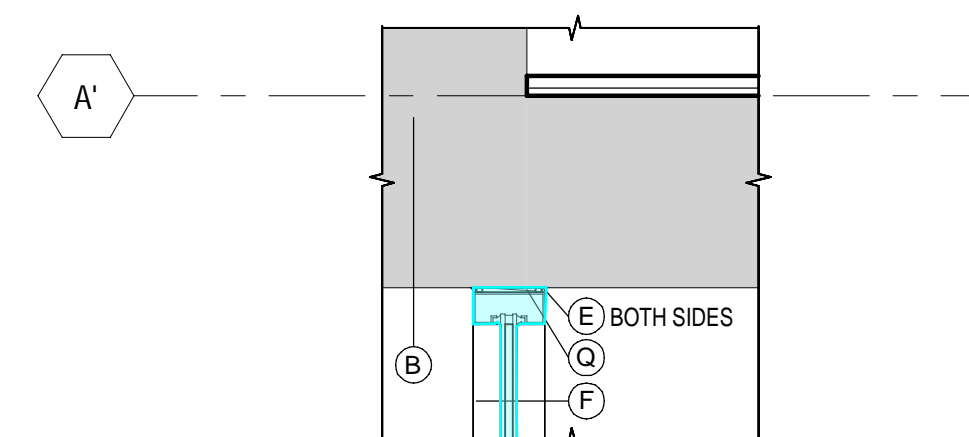
13 SILL DETAIL AT SLIDING DOOR
3" = 1'-0"



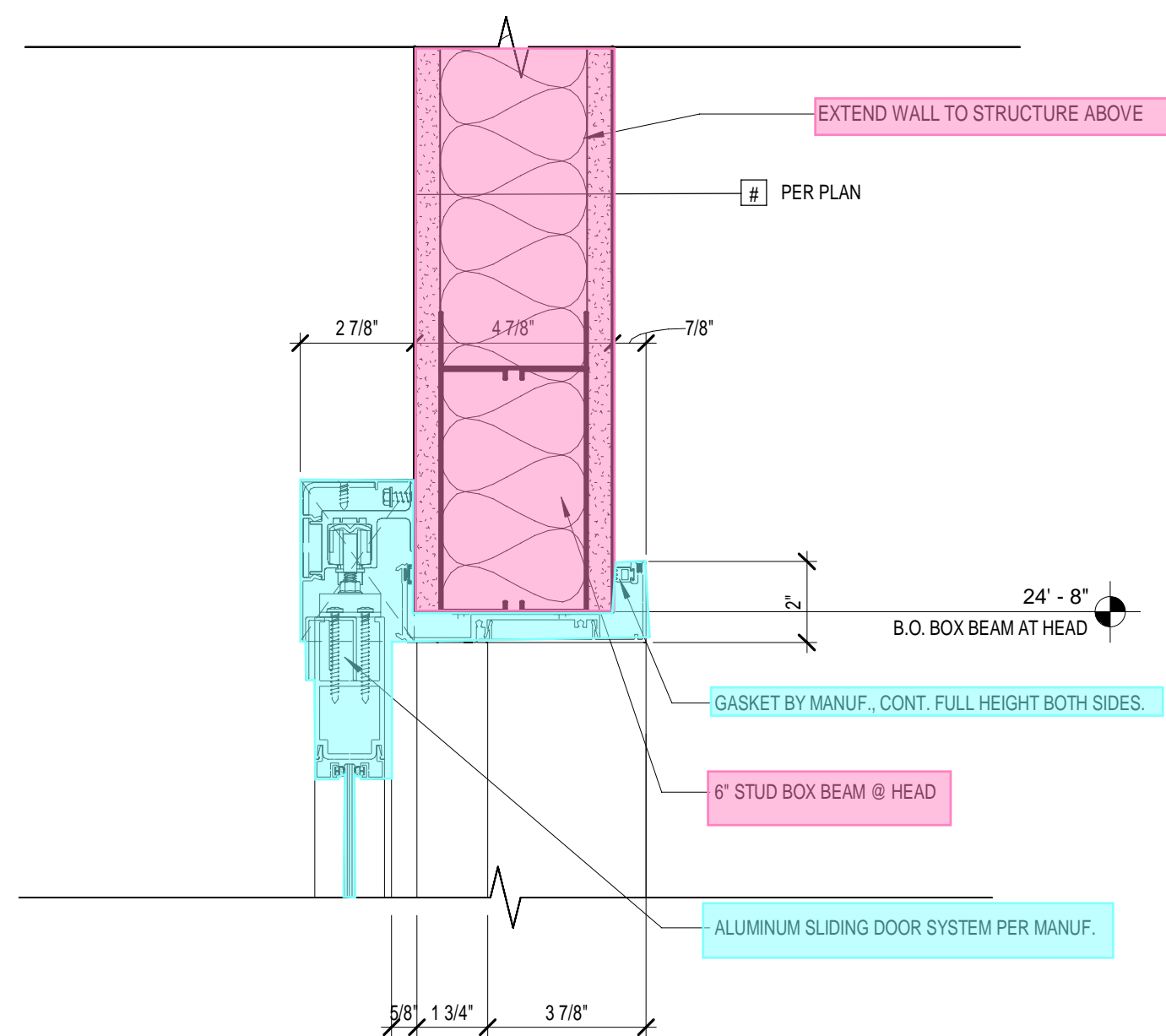
9 SILL DETAIL
1 1/2" = 1'-0"



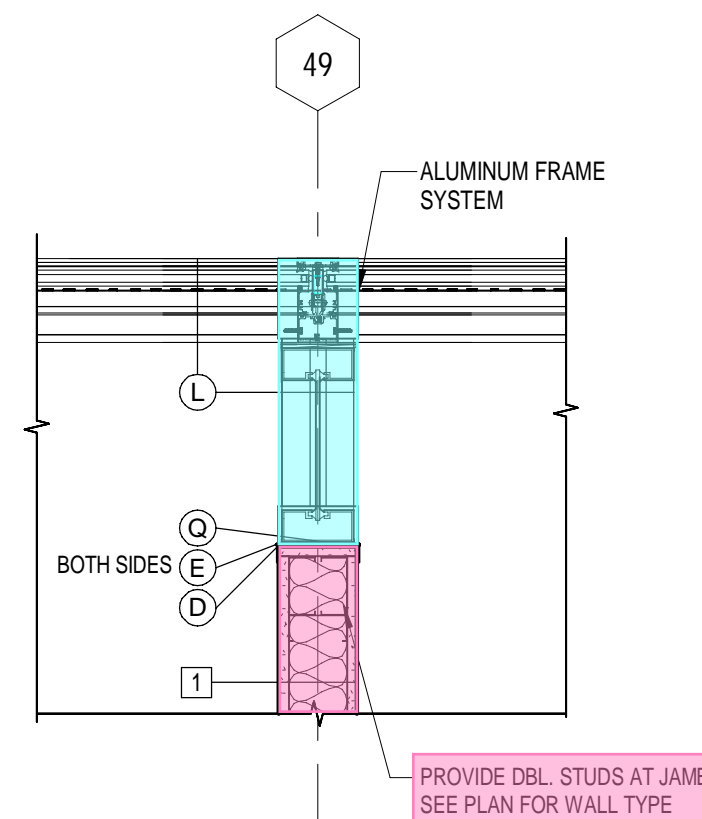
5 PLAN DETAIL LEVEL 1 - CORNER



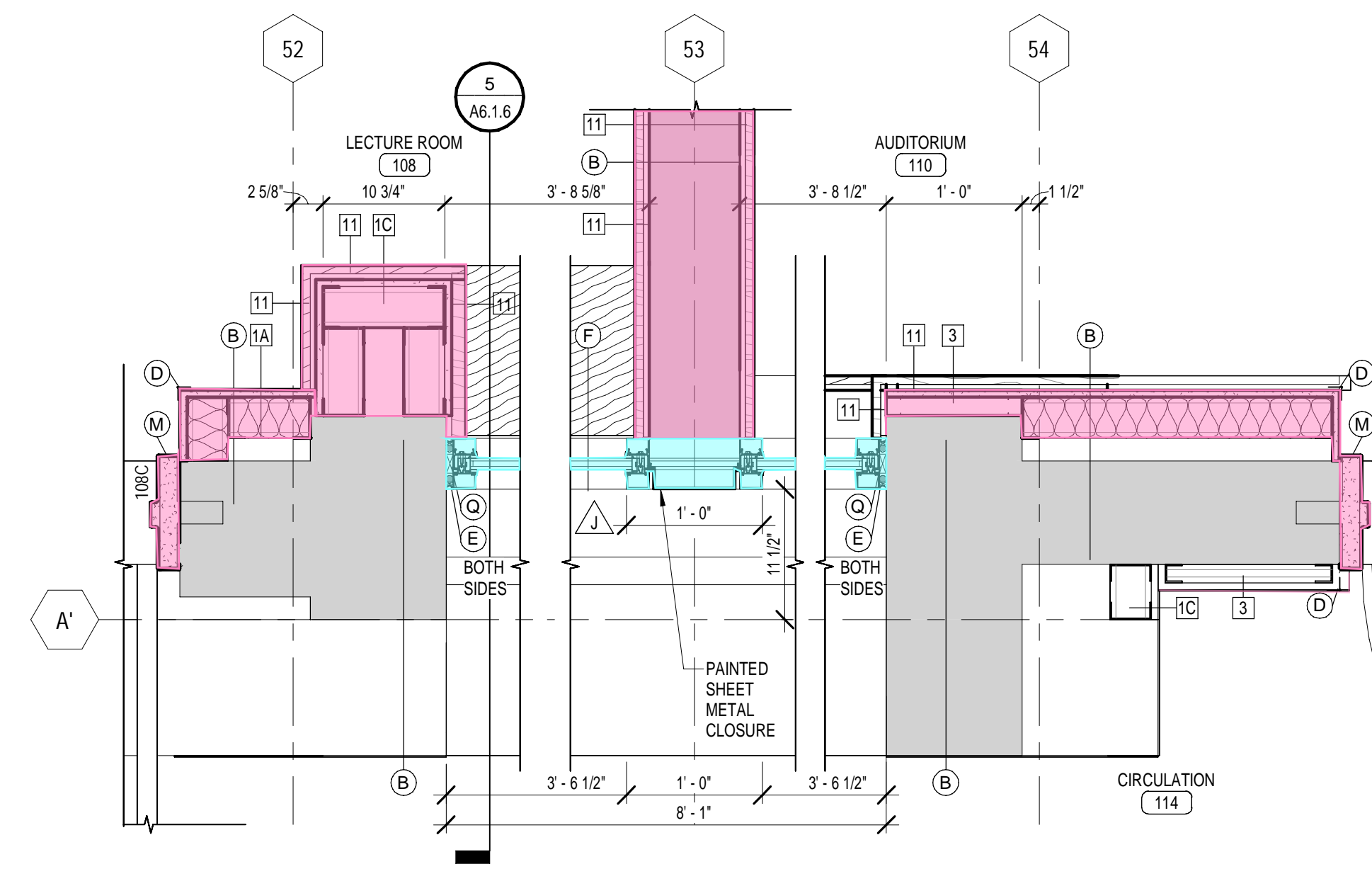
2 JAMB DETAIL LEVEL 1 - AT EXISTING WALL
1" = 1'-0"



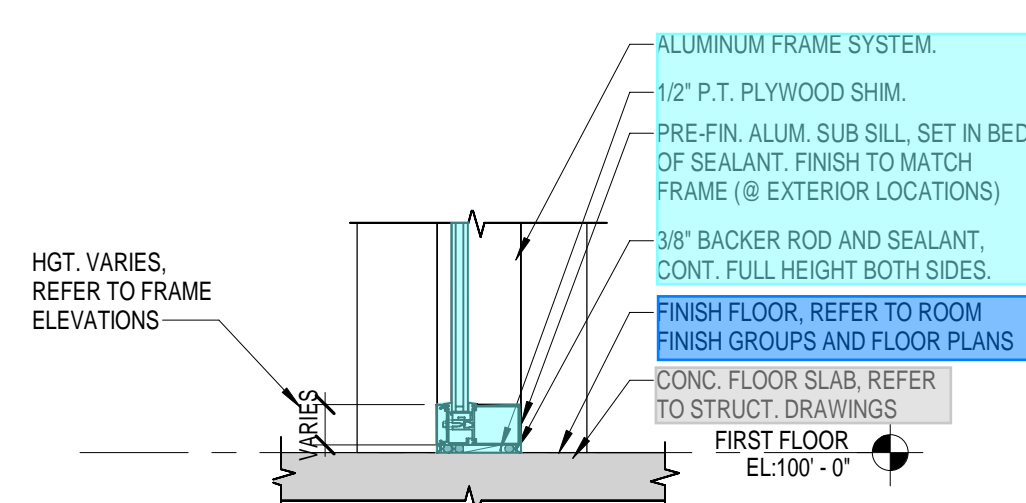
10 SLIDING DOOR HEAD DETAIL
3" = 1'-0"



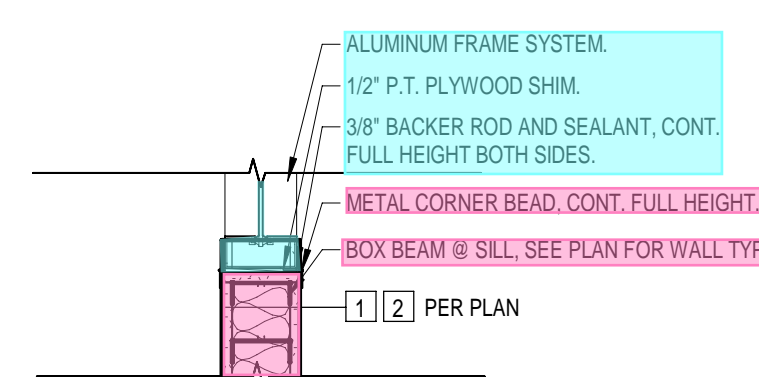
6 PLAN DETAIL LEVEL 1
1" = 1'-0"



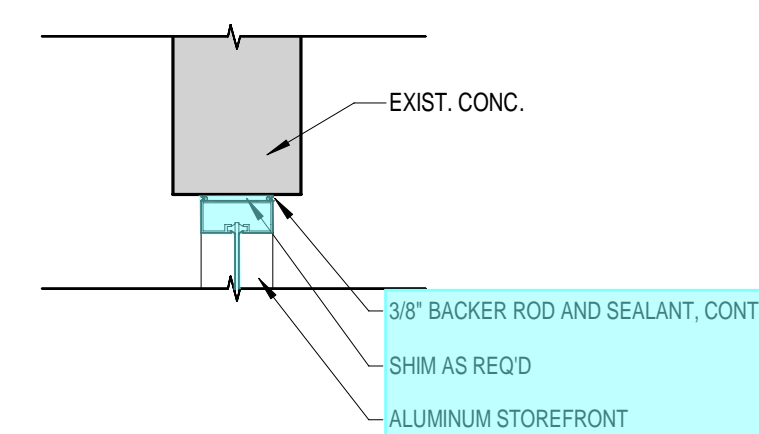
3 PLAN VIEW LEVEL 1 - AT CORRIDOR BENCH
1" = 1'-0"



11 SILL DETAIL
1" = 1'-0"



7 SILL DETAIL LEVEL 1
1" = 1'-0"



3a HEAD DETAIL
1" = 1'-0"

- ## GENERAL COLUMN & WALL DETAIL NOTES

1. SEE STRUCTURAL AND ARCHITECTURAL FLOOR PLANS FOR COL. LINES AND DIMENSIONS. NOT SPECIFICALLY REFERENCED ON THESE DETAILS.
2. FIRE RATED SEALANT IS REQUIRED AT ALL JOINTS IN RATED WALLS.
3. DO NOT ANCHOR OR ATTACH ADJACENT MASONRY OR STEEL TO FIREWALL "FR2". DO NOT GROUT ADJACENT CMU TO FIREWALL. PROVIDE FOAM ROD AND SEALANT.
4. SAWCUT ALL MASONRY AT STRUCTURAL STEEL AS REQUIRED TO MAINTAIN A 3" CLEARANCE BETWEEN MASONRY AND STEEL.
5. TAPE AND MUD TYPICAL AT INTERIOR CORNER.

#	COLUMN AND WALL KEYNOTES
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- A. OVERHEAD COILING GRILLE AND TRACK.
- B. EXISTING CONSTRUCTION TO REMAIN.
- C. LC TRIM AND SEALANT, CONT. FULL HEIGHT.
- D. METAL CORNER BEAD, CONT. FULL HEIGHT.
- E. 3/8" BAKER ROD AND SEALANT, CONT. FULL HEIGHT.
- F. ALUM. STOREFRONT SYSTEM.
- G. GYPSUM BOARD CONTROL JOINT, BOTH SIDES, WHERE APPLICABLE.
- H. 2X P.T. WOOD NALER, CONTINUE AT FRAME, CUT AS REQUIRED.
- I. 1X P.T. WOOD BLOCKING.
- K. ALIGN FRAMING WITH EXISTING CONSTRUCTION.
- L. ALUMINUM CURTAINWALL SYSTEM.
- M. HOLLOW METAL FRAME (PAINT), REFER TO DOOR SCHEDULE.
- N. S.M. TRIM AS REQUIRED.
- O. 12" P.T. PLYWOOD SHIM.
- R. ALUMINUM BLADE.
- S. SELF ADHERED ICE AND WATER SHEILD.
- T. METAL CORNER TRIM FULL HEIGHT.

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						M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M									
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1	0010	Milestones	444d	03/18/24	12/12/25	+ Milestones																																			
2	0091	Pre-Construction	104d	05/14/24 A	10/09/24	+ Pre-Construction																																			
3	0161	Abatement, Demo, Early Eqpt.	376d	05/09/24 A	10/29/25	+ Abatement, Demo, Early Eqpt.																																			
4	0520	Bid Package 3	246d	12/10/24	11/25/25	Bid Package 3																																			
5	0530	Bidding	5d	12/10/24	12/16/24	Bidding																																			
6	0581	Contract Execution W/UK	5d	12/10/24	12/16/24	Contract Execution W/UK																																			
7	0700	Scope and Award Packages	23d	12/17/24	01/20/25	Scope and Award Packages																																			
8	0960	HVAC	2d	12/17/24	12/18/24	HVAC																																			
9	0970	Electrical	2d	12/19/24	12/20/24	Electrical																																			
10	0759	Sprinklers	2d	12/20/24	12/23/24	Sprinklers																																			
11	0769	Plumbing	2d	12/30/24	12/31/24	Plumbing																																			
12	0980	Structured Cabling	2d	12/24/24	12/26/24	Structured Cabling																																			
13	0990	Audio Visual	2d	12/26/24	12/27/24	Audio Visual																																			
14	1000	Access Controls	2d	12/27/24	12/30/24	Access Controls																																			
15	0708	Structural Steel	2d	12/23/24	12/24/24	Structural Steel																																			
16	0709	Casework Contractor	1d	12/31/24	12/31/24	Casework Contractor																																			
17	1040	Doors/Frames/Hardware	1d	01/02/25	01/02/25	Doors/Frames/Hardware																																			
18	0703	Irrigation and Landscape	1d	01/03/25	01/03/25	Irrigation and Landscape																																			
19	0705	Glass & Glazing (StoreFront)	1d	12/17/24	12/17/24	Glass & Glazing (StoreFront)																																			
20	0706	Framing/Drywall/ACT	1d	12/17/24	12/17/24	Framing/Drywall/ACT																																			

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81	1271	Furniture	30d	01/20/25	02/28/25													Furniture																			
82		Furniture Submittal	30d	01/20/25	02/28/25													Furniture Submittal																			
83		Chair Lifts	30d	01/21/25	03/03/25													Chair Lifts																			
84		Chair Lifts Submittal	30d	01/21/25	03/03/25													Chair Lifts Submittal																			
85	0560	Submittal Review and Revisions	66d	12/17/24	03/20/25													Submittal Review and Revisions																			
86	5010	General Trades	10d	12/17/24	12/31/24													General Trades																			
87	0561	HVAC	10d	01/06/25	01/17/25													HVAC																			
88	0571	Duct Work	10d	12/27/24	01/10/25													Duct Work																			
89	0562	Electrical	12d	01/29/25	02/13/25													Electrical																			
90	0563	Sprinklers	12d	01/23/25	02/07/25													Sprinklers																			
91	0564	Plumbing	12d	01/16/25	01/31/25													Plumbing																			
92	0565	Structured Cable	12d	01/27/25	02/11/25													Structured Cable																			
93	0566	Audio Visual Equipment	35d	01/14/25	03/03/25													Audio Visual Equipment																			
94	0567	Access Controls	12d	01/22/25	02/06/25													Access Controls																			
95	0568	Structural Steel	12d	01/31/25	02/17/25													Structural Steel																			
96	0569	Casework	12d	02/06/25	02/21/25													Casework																			
97	0579	Doors and Hardware	12d	02/07/25	02/24/25													Doors and Hardware																			
98	0589	Landscaping and Irrigation	12d	01/27/25	02/11/25													Landscaping and Irrigation																			
99	0590	Glass and Glazing	12d	01/10/25	01/27/25													Glass and Glazing																			
100	0591	Framing and Drywall	5d	01/10/25	01/16/25													Framing and Drywall																			

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121	0221	Construction	500d	03/18/24	03/03/26	Construction																																			
122	0230	Mobilization		01/02/25	01/02/25	Mobilization																																			
123	0231	Mobilize to Site		01/02/25	01/02/25	Mobilize to Site																																			
124	0240	Weather Days		03/18/24	03/18/24	Weather Days																																			
125	0241	Weather Delays	5d	01/02/25	01/08/25	Weather Delays																																			
126	0270	Structure	51d	03/18/25	05/28/25	Structure																																			
127	0271	Perimeter Footings	8d	05/02/25	05/13/25	Perimeter Footings																																			
128	0272	Room 102 & 112 Floor Steel	15d	03/18/25	04/07/25	Room 102 & 112 Floor Steel																																			
129	3060	Room 102 & 112 Floor Deck	8d	04/08/25	04/17/25	Room 102 & 112 Floor Deck																																			
130	3080	Prep/ Pour SOG Pour Rm 102/112	10d	04/18/25	05/01/25	Prep/ Pour SOG Pour Rm 102/112																																			
131	3120	Strip Forms	2d	05/02/25	05/05/25	Strip Forms																																			
132	3140	Cure Concrete	7d	05/06/25	05/14/25	Cure Concrete																																			
133	3160	Interior Concrete Wall/ Floor Infills	10d	05/14/25	05/28/25	Interior Concrete Wall/ Floor Infills																																			
134	4910	Site Improvements and Landscape	102d	04/01/25	08/22/25	Site Improvements and Landscape																																			
135	4911	Install Temp Road	1d	04/01/25	04/01/25	Install Temp Road																																			
136	4912	Demo Existing Landsacping	5d	04/02/25	04/08/25	Demo Existing Landsacping																																			
137	4920	Demo Site Concrete	5d	06/13/25	06/19/25	Demo Site Concrete																																			
138	4930	Demo Pavers & Waterproofing	5d	06/13/25	06/19/25	Demo Pavers & Waterproofing																																			
139	4940	Install Site Hardscapes & Landscaping	30d	06/20/25	08/01/25	Install Site Hardscapes & Landscaping																																			
140	4950	Water Proofing	8d	06/20/25	07/01/25	Water Proofing																																			

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161	3331	Building Exteriors	40d	03/18/24	05/10/24	Building Exteriors																																										
162		3332	North and East Elevation	40d	03/18/24	05/10/24	North and East Elevation																																									
163		4990	Tuck Point Masonry Lvl 3	15d	03/18/24	04/05/24	Tuck Point Masonry Lvl 3																																									
164		3342	Paint North/East	5d	05/06/24	05/10/24	Paint North/East																																									
165		3352	Pressure Wash North/East	2d	03/20/24	03/21/24	Pressure Wash North/East																																									
166		3362	Concrete Restoration North/East	5d	03/22/24	03/28/24	Concrete Restoration North/East																																									
167		3333	South and West Elevation	35d	03/18/24	05/03/24	South and West Elevation																																									
168		5000	Tuck Point Masonry Lvl 2	15d	04/08/24	04/26/24	Tuck Point Masonry Lvl 2																																									
169		3343	Painting South/West	5d	04/29/24	05/03/24	Painting South/West																																									
170		3334	Pressure Washing South/West	2d	03/18/24	03/19/24	Pressure Washing South/West																																									
171		3335	Concrete Restoration South/West	5d	03/18/24	03/22/24	Concrete Restoration South/West																																									
172		4630	MEPF Infrastructure	444d	03/18/24	12/11/25	MEPF Infrastructure																																									
173	4650	HVAC Unit Build Out	45d	05/19/25	07/22/25	HVAC Unit Build Out																																										
174	4651	HVAC Start Up	10d	11/13/25	11/26/25	HVAC Start Up																																										
175	4660	HVAC Ductwork & Riser	25d	07/23/25	08/26/25	HVAC Ductwork & Riser																																										
176	4670	Hydronic Mains	20d	07/23/25	08/19/25	Hydronic Mains																																										
177	4680	Controls Build-Out	25d	07/23/25	08/26/25	Controls Build-Out																																										
178	4631	Electrical Switch Gear	20d	10/30/25	11/26/25	Electrical Switch Gear																																										
179	4640	Electrical Panels	6w	10/30/25	12/11/25	Electrical Panels																																										
180	4690	Data Closet Build Out	40d	03/18/24	05/10/24	Data Closet Build Out																																										

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221	221-240	3900	Paint First Coat - East	9d	03/13/25	03/25/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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White Hall

Print Date: 11/15/2024
Data Date: 9/12/2024

Line	Task Number	Activity Name	Duration	Start	Finish	2024												2025												2026																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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261	3680	3810	In Wall / OH AV Rough	10d	02/21/25	03/06/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

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[illegible]

Line	Task Number	Activity Name	Duration	Start	Finish																																								
						2024														2025														2026											
						M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M													
11	1	22	13	3	24	15	5	26	16	7	28	18	9	30	20	10	3	24	14	5	26	16	7	28	18	8	29	20	10	1	22	12	2	23	16	6	27								
341	4561	Ceiling Fixtures - West Half	12d	05/06/25	05/21/25	:	:																											Ceiling Fixtures - West Half											
342	4562	Ceiling Fixtures - East Half	10d	09/15/25	09/26/25	:	:																											Ceiling Fixtures - East Half											
343	4563	Above Ceiling Insp. 1st Half		05/22/25	05/22/25	:	:																											Above Ceiling Insp. 1st Half											
344	4564	Above Ceiling Insp. 2nd Half		09/29/25	09/29/25	:	:																											Above Ceiling Insp. 2nd Half											
345	4570	Drop Ceiling Tile 1st Half	12d	05/22/25	06/09/25	:	:																											Drop Ceiling Tile 1st Half											
346	4580	Drop Ceiling Tile 2nd Half	12d	09/29/25	10/14/25	:	:																											Drop Ceiling Tile 2nd Half											
347	0386	Terrazzo	15d	03/28/25	04/17/25	:	:																											Terrazzo											
348	0387	Add Floor Protection to Terrazzo	5d	04/18/25	04/24/25	:	:																											Add Floor Protection to Terrazzo											
349	0388	Flooring	14d	06/10/25	06/27/25	:	:																											Flooring											
350	0389	Casework	12d	06/30/25	07/16/25	:	:																											Casework											
351	0390	Furniture	10d	06/30/25	07/14/25	:	:																											Furniture											
352	0399	Device Out	13d	07/17/25	08/04/25	:	:																											Device Out											
353	0409	Final Paint	15d	10/15/25	11/04/25	:	:																											Final Paint											
354	0419	Signs	5d	11/05/25	11/11/25	:	:																											Signs											
355	0429	AV Equipment	15d	11/05/25	11/25/25	:	:																											AV Equipment											
356	0439	1st Floor PCCO Pre Punch Walk	2d	11/26/25	11/28/25	:	:																											1st Floor PCCO Pre Punch Walk											
357	5250	Level 1 Rooms, 102,112/ Common Areas/ Finishes in Rooms 104,106,108,110	101d	09/04/25	01/27/26	:	:																											Level 1 Rooms, 102,112/ Comr											
358	5260	Level 1 Framing	8d	09/04/25	09/15/25	:	:																											Level 1 Framing											
359	5270	Level 1 HMF	5d	09/11/25	09/17/25	:	:																											Level 1 HMF											
360	5280	In Wall Blocking	6d	09/16/25	09/23/25	:	:																											In Wall Blocking											

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