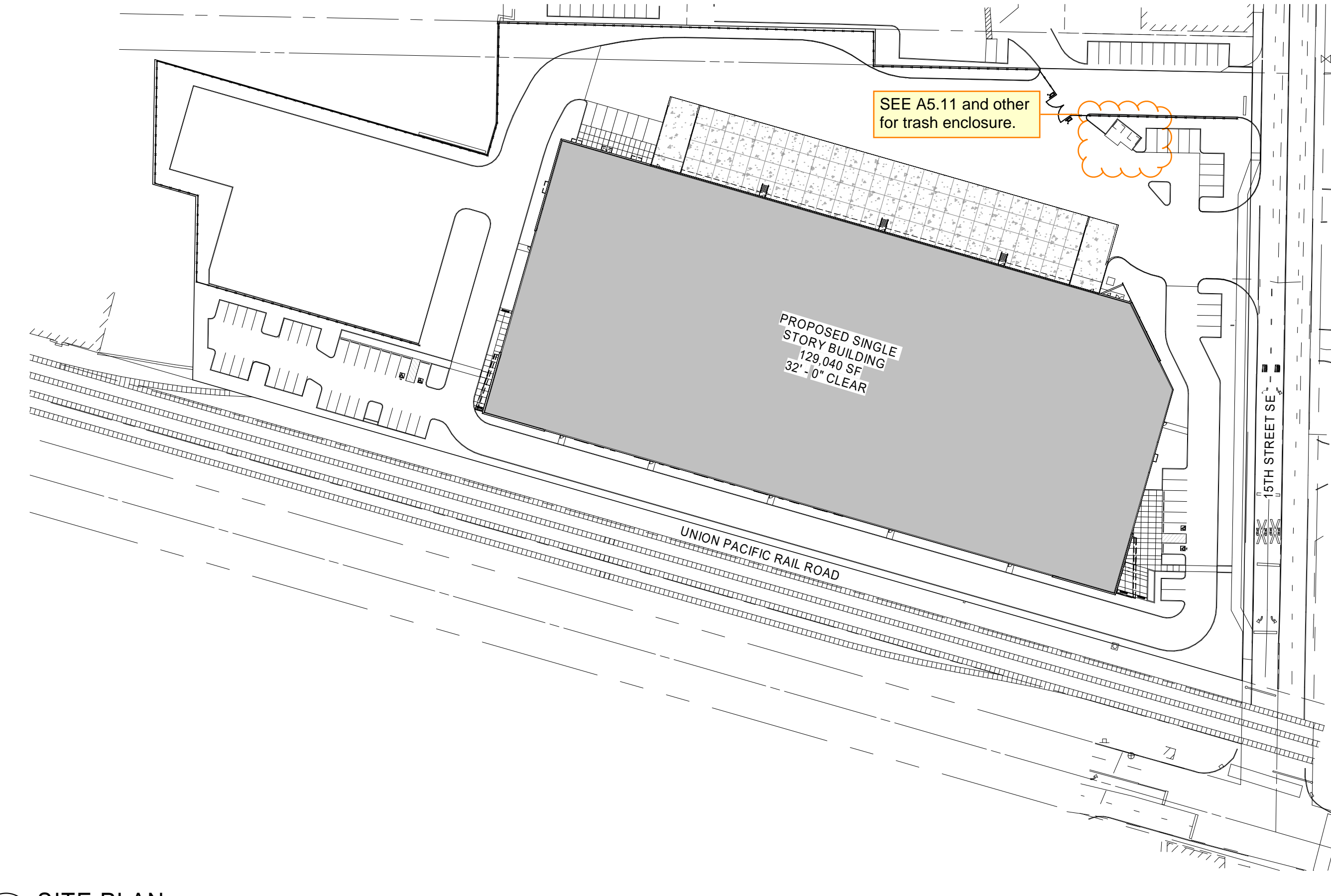


CREF3 PUYALLUP OWNER LLC

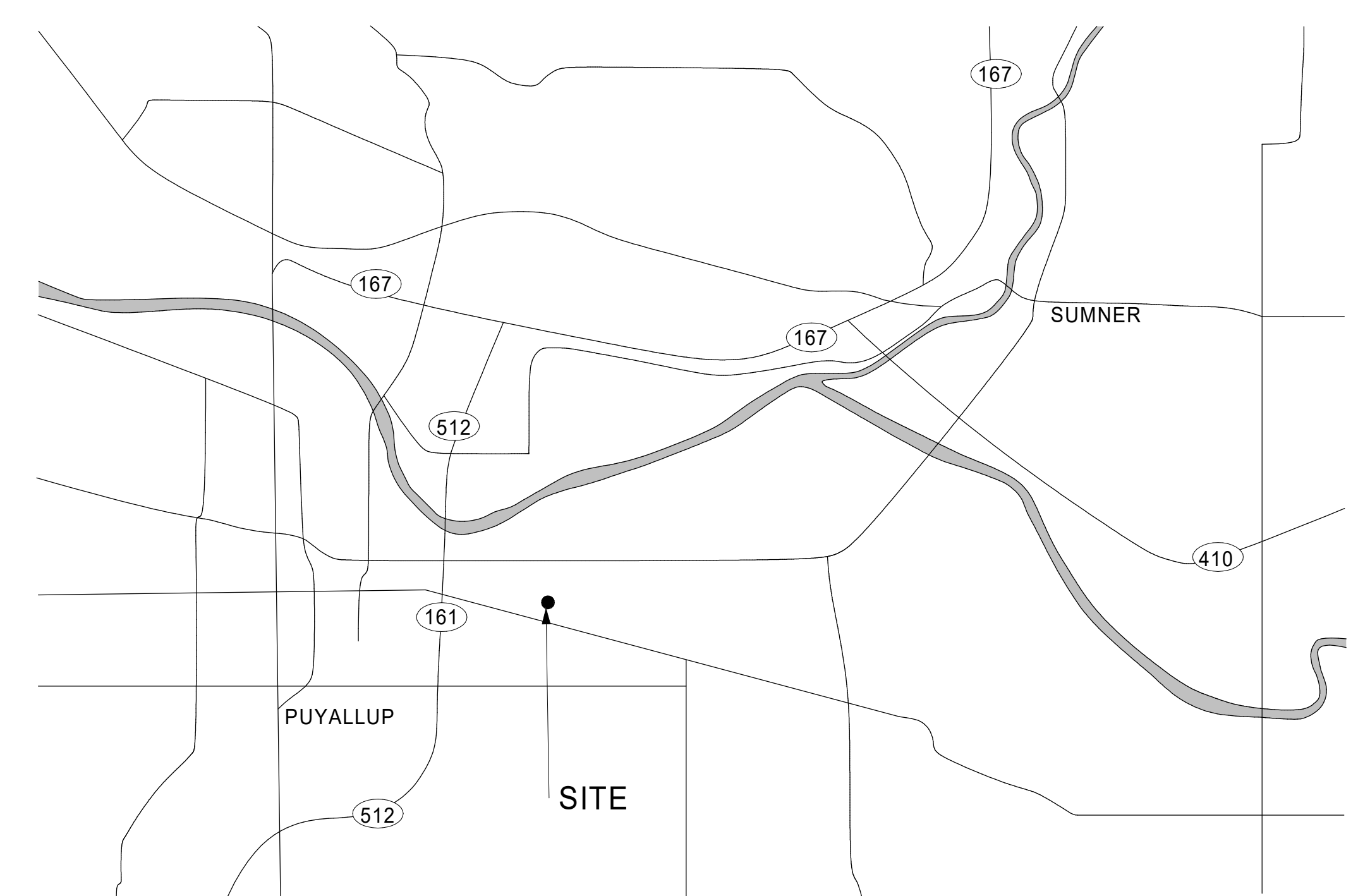
240 15TH ST SE PUYALLUP
WA, 98372

PERMIT SET – JUNE 28, 2023

See Project specifications Roof Accessories 07 72 00 - 3 / 4
Safety Railing System & Ladder Safety Post



1 SITE PLAN
00.01 1" = 80'-0"



2 VICINITY MAP
00.01 12" = 1'-0"

OWNER

CREF3 PUYALLUP OWNER LLC
11611 SAN VICENTE BLVD 10TH FLOOR
LOS ANGELES, CA 90049
PHONE: (310) 228-3030
CONTACT: BRADY THOMSON
EMAIL: BTHOMSON@FORTRESS.COM

ARCHITECT

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LOGAN BUILDING
500 UNION ST., STE. 410
SEATTLE, WA 98101
PHONE: (206) 749-9993
ARCHITECT: BRETT CONWAY
CONTACT: JUSTIN ABRAHAM
EMAIL: JABRAHAM@MCKENZIE.COM

STRUCTURAL

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CIVIL

BARGHAUSEN
18215 72ND AVE S
KENT, WA 98032
PHONE: (252) 251-8222
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EMAIL: JHUBBELL@BARGHAUSEN.COM

LANDSCAPE

MACKENZIE
RIVEREAST CENTER
1515 SE WATER AVE. #100
PORTLAND, OR 97214
PHONE: (503) 224-9560
CONTACT: NICOLE FERREIRA
EMAIL: NFERREIRA@MCKENZIE.COM

TRAFFIC

TENW - TRANSPORTATION ENGINEERING NORTHWEST
11400 SE 8TH ST., SUITE 200
BELLUVE, WA 98004
PHONE: (252) 466-7072
CONTACT: AMY WASSERMAN
EMAIL: AMY@TENW.COM

GEOTECHNICAL

TERRA ASSOCIATES
12220 113TH AVE NE, SUITE 130
KIRKLAND, WA 98034
PHONE: (425) 821-7777

SITE AND BUILDING INFORMATION

240 15TH ST SE PUYALLUP, WA, 98372 7845000161, 7845000170, 0420274126
PIERCE COUNTY TAX ID:
FOR ADDITIONAL SITE AND BUILDING INFORMATION, SEE SHEET A1-10 - SITE PLAN

PROJECT DESCRIPTION

CONSTRUCTION OF A NEW SINGLE-STORY TILT-UP CONCRETE SHELL AND CORE SPECULATIVE WAREHOUSE SPACE. FUTURE OCCUPANCIES MAY CONSIST OF B, F-1, AND S-1 OCCUPANCIES

GEOTECHNICAL REPORT

SEE GEOTECHNICAL REPORT DATED 1/12/22 BY TERRA ASSOCIATES PROVIDED TO CITY SEPARATELY

PERMITS

- GRADING AND TESC PERMIT APPLICATION: #PRGR20230009

DEFERRED SUBMITTALS

- DESIGN BUILD STAIRS
- OPEN WEB METAL JOIST & GIRDERS
- LOADING DOCK CANOPIES

Engineer/architect reviewed design build stairs may be field reviewed by inspector (subject to inspectors discretion).

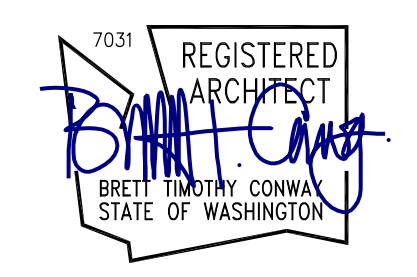
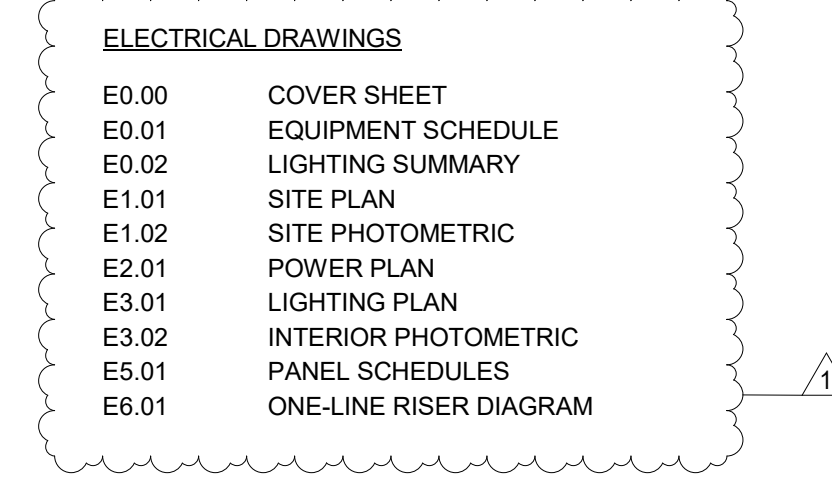
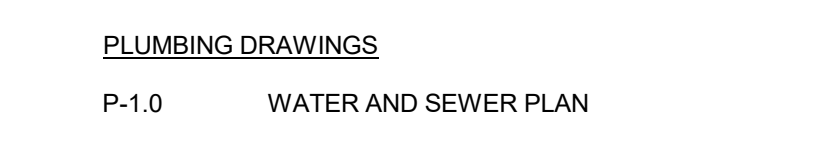
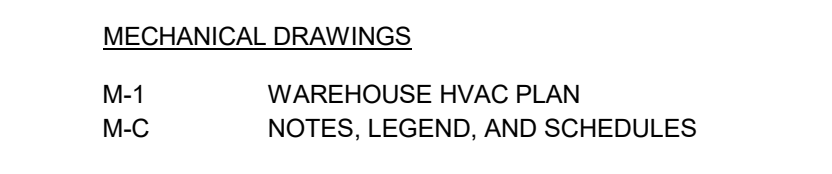
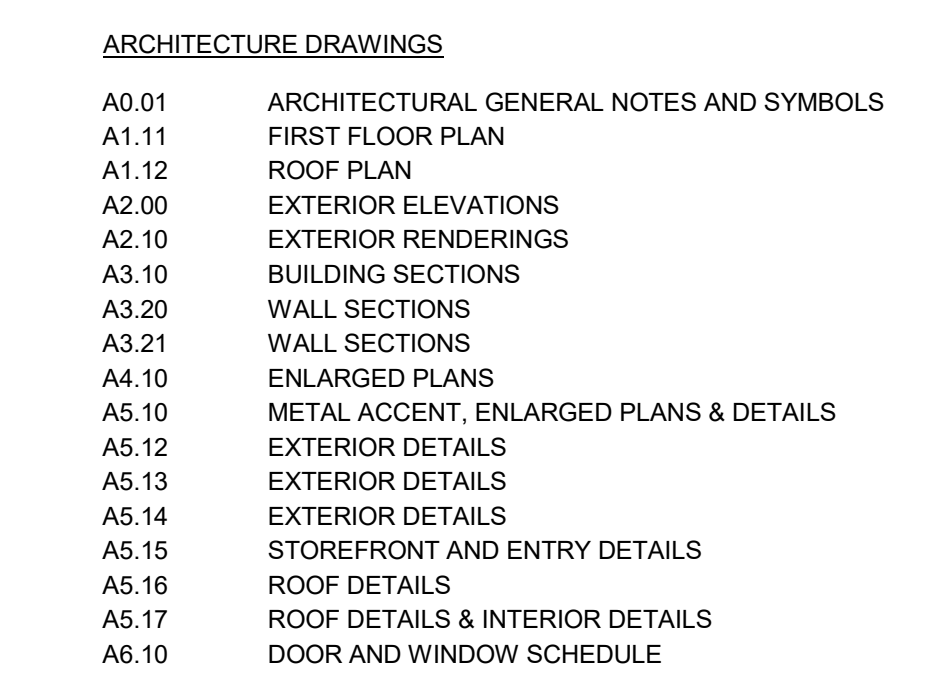
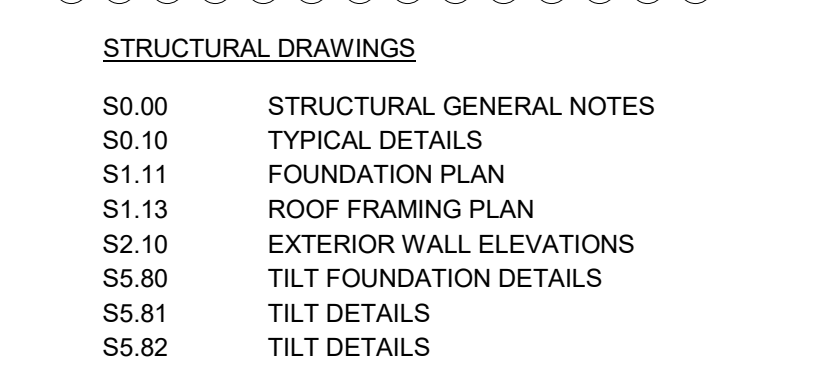
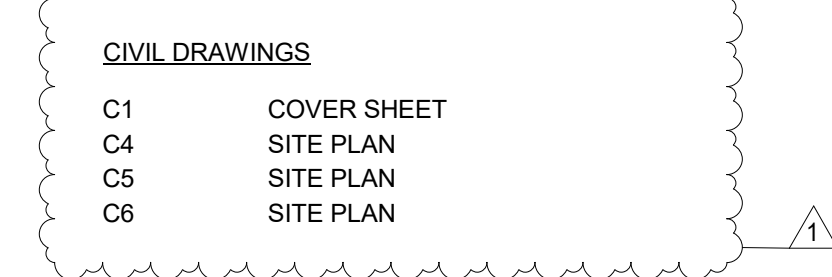
SEPARATE PERMITS

- DESIGN BUILD FIRE SPRINKLER
- DESIGN BUILD FIRE ALARM
- PUBLIC WORKS
- SIGNAGE

- NOTES:
1. DESIGN BUILDERS ARE FULLY RESPONSIBLE FOR THE DESIGN OF THESE SYSTEMS / COMPONENTS. THESE SYSTEMS / COMPONENTS SHOWN ON DOCUMENTS ARE SCHEMATIC ONLY. THEY ARE NOT INTENDED TO REPRESENT FINAL, CODE COMPLIANT DESIGN. PROVIDE DESIGN DOCUMENT SUBMITTAL TO MACKENZIE FOR REVIEW PRIOR TO SUBMITTAL TO CITY OF PUYALLUP, WASHINGTON.

DRAWING INDEX

- G0.01 TITLE SHEET AND DRAWING INDEX
- G0.02 PROJECT GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS
- G1.10 CODE ANALYSIS PLAN



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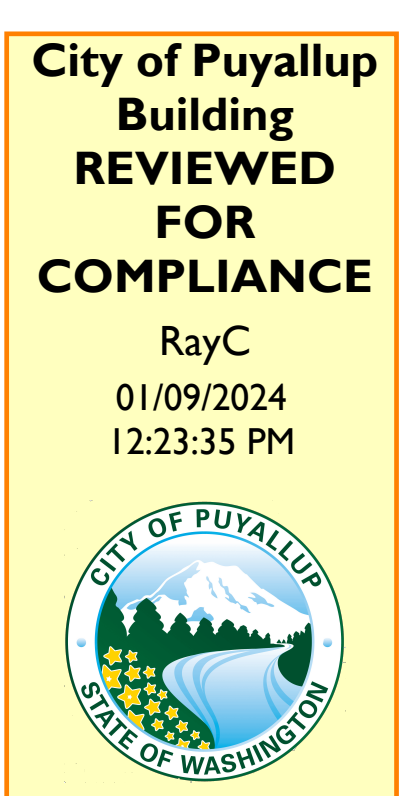
REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	PLAN CHECK	11/07/23

SHEET TITLE:
TITLE SHEET AND DRAWING INDEX

SHEET

G0.01

JOB NO. **2220290.00**



Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

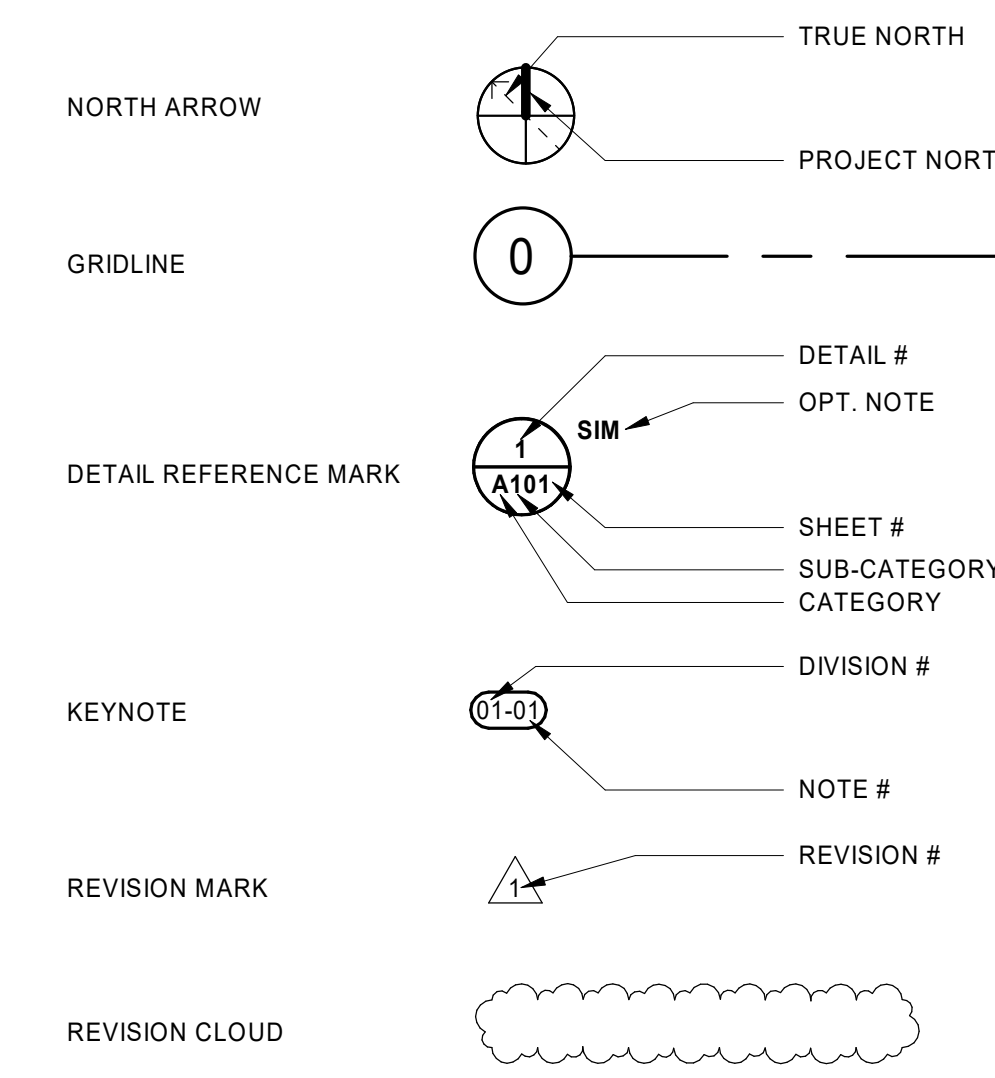
THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION. PRINT IN COLOR and to SCALE.

CITY OF PUYALLUP
Planning Division Approved Site Plan
(253) 864-4165
MINIMUM SETBACK REQUIREMENTS
Front Yard: 20 ft Rear Yard: 0 ft
Interior Side Yard: Left: 0 ft Right: 0 ft
Street Side Yard: 10 ft
Zoning District: ML
Permit #: PRCNC20230967
Additional Conditions/Comments
N/A
Staff: NComstock
Date: 11/06/2024
Front, rear, and side yard property lines shall be marked with string from surveying pins prior to footing inspection.

STANDARD ABBREVIATIONS

Table containing standard abbreviations organized in columns, listing symbols and their corresponding full names (e.g., AB ANCHOR BOLT, EP EPOXY PAINT / EDGE OF PAVEMENT).

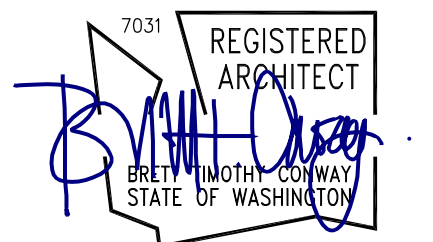
SYMBOLS AND REFERENCES



PROJECT GENERAL NOTES

- A. THE DRAWINGS LOCATE PRODUCTS, SURFACES, AND MATERIALS AND THE NOTES CONVEY DESIGN INTENT...
B. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE LATEST ADOPTED BUILDING CODE...
C. VERIFY AND CONFIRM ALL CONDITIONS, DIMENSIONS, AND LAYOUT INFORMATION PRIOR TO START OF CONSTRUCTION...

M. Architecture - Interiors Planning + Engineering. Portland, OR 503.224.9560. Vancouver, WA 360.695.7873. Seattle, WA 206.749.8993. www.mckenzie.com. MACKENZIE. CREFF3 PUYALLUP OWNER LLC 11611 SAN VICENTE BLVD. 10TH FLOOR LOS ANGELES, CA 90049. FORTRESS - PUYALLUP 240 15TH ST SE PUYALLUP, WA 98372. Mechanical/Electrical.



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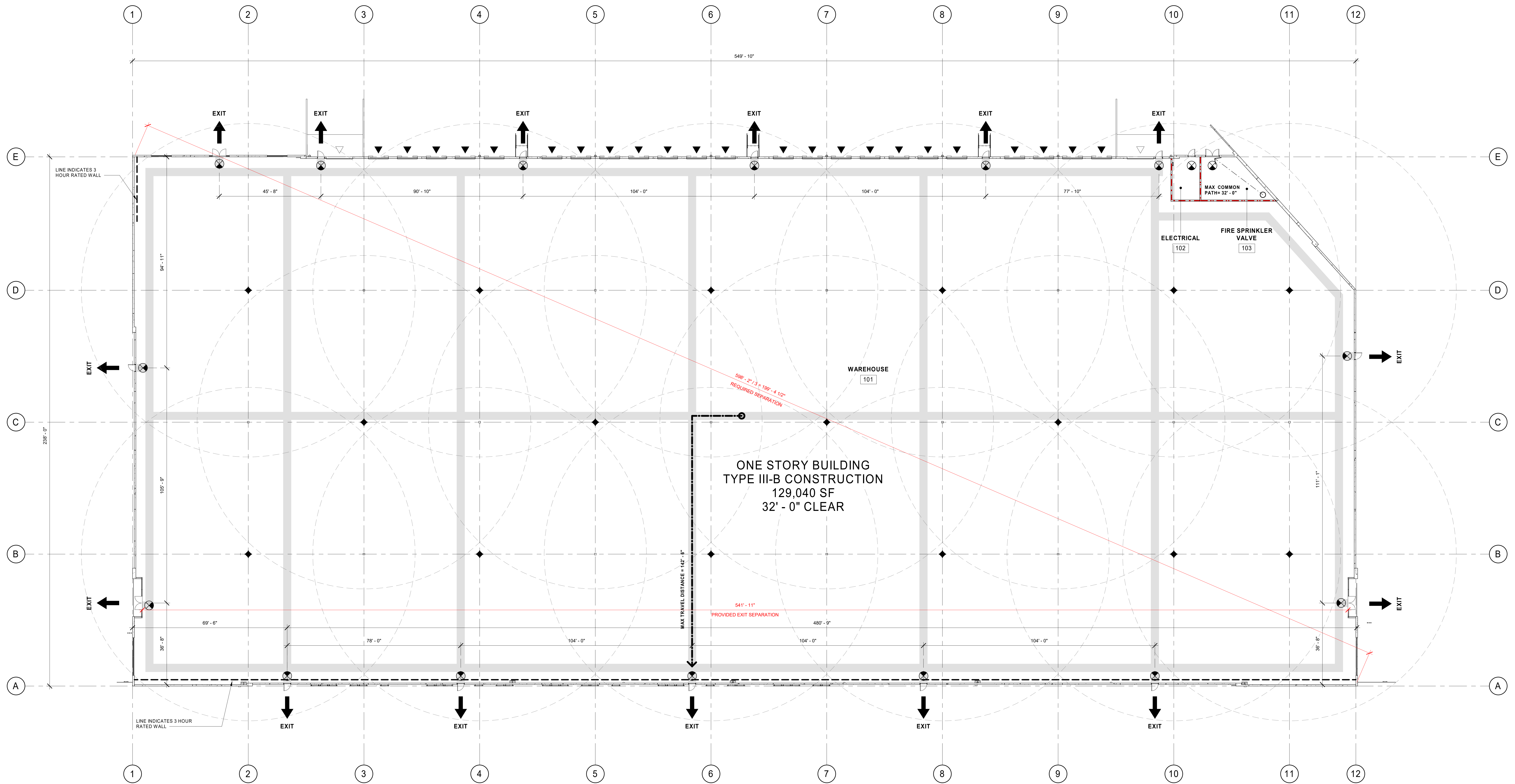
REVISION SCHEDULE table with columns for Delta, Issued As, and Issue Date. Contains one row with Delta 'G0.02'.

SHEET TITLE: PROJECT GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS

SHEET

G0.02

JOB NO. 2220290.00



1
01.10 **CODE ANALYSIS PLAN**
1/16" = 1'-0"

ENERGY CODE REQUIREMENTS - COMPONENT PERFORMANCE PATH, SEMI HEATED

BASED ON WASHINGTON STATE ENERGY CODE, COMMERCIAL 2018 - CHAPTER 51-110 WAC
CLIMATE ZONE: MARINE-WC (TABLE C301.1)
SEMI-HEATED BUILDING - PROVIDE FIRE PROTECTION TO HEAT BUT NOT COOL THE BUILDING
WITH CAPACITY GREATER THAN OR EQUAL TO 3.4 BTU/(H·SQ. FT.) BUT NOT GREATER THAN 8
BTU/(H·SQ. FT.) PER C202.

ADDITIONAL INFORMATION:
A. MAX LIGHTING POWER DENSITY (WAREHOUSE): 0.40 W/SP PER TABLE C405.4.2(1)
B. CONTINUOUS AIR BARRIER REQUIRED PER C402.5.1
C. WOOD ROOF DECK
D. SINGLE-PLY ROOF MEMBRANE
E. VESTIBULES, WHERE REQUIRED, TO BE INSTALLED W/ TENANT IMPROVEMENT.
F. IDENTIFICATION MARK SHALL BE APPLIED TO ALL INSULATION MATERIALS AND
INSULATION SUCH THAT THE MARK IS READILY OBSERVED DURING INSPECTION PER
C303.1.1.
G. FENESTRATION SHALL BE LABELED WITH NFRC U-FACTOR, SOLAR HEAT GAIN
COEFFICIENT, VISIBLE TRANSMITTANCE AND LEAKAGE RATINGS PER C303.1.3
H. BUILDING ENCLOSURE AIR LEAKAGE TESTING REQUIRED PER SECTION C402.5.1.2.
TESTING SHALL BE PERFORMED PER ASTM C779 (OR EQUIVALENT METHOD APPROVED
BY THE CODE OFFICIAL) AND THE TARGET LEAKAGE RATE IS 0.25 CFM/F2 (1.5 L/S/M2)
AT 0.3 IN. WG (75 PA) INCLUDE THE FOLLOWING REQUIREMENTS IN PROJECT
DOCUMENTS: (1) SUBMIT BUILDING ENCLOSURE AIR LEAKAGE TEST REPORTS TO
JURISDICTION AND OWNER; (2) IF INITIAL TEST RESULT EXCEEDS 0.25 CFM/F2 (1.5
L/S/M2), INDICATE THAT INSPECTION AND ALL PRACTICAL CORRECTIVE ACTIONS BE
COMPLETED AND DOCUMENTED IN THE AIR LEAKAGE TEST REPORT; (3) IF INITIAL TEST
RESULT EXCEEDS 0.40 CFM/F2 (2.0 L/S/M2), INDICATE THAT CORRECTIVE ACTIONS
SHALL ALSO INCLUDE RE-TESTING; (4) INDICATE THAT CORRECTIVE MEASURES AND
RE-TESTING MUST BE REPEATED UNTIL THE TEST RESULT IS 0.40 CFM/F2 (2.0 L/S/M2)
OR LESS; (4) INCLUDE AIR BARRIER TEST REPORT IN PROJECT CLOSE OUT
DOCUMENTATION PROVIDED TO BUILDING OWNER.
I. TO COMPLY WITH ADDITIONAL EFFICIENCY PACKAGE CODE PROVIDE:
a. MORE EFFICIENT HVAC EQUIPMENT AND FAN PERFORMANCE PER C406.2
b. REDUCED LIGHTING POWER: OPTION 2 IN ACCORDANCE WITH SECTION C406.3.2.
J. PROJECT CLOSE OUT DOCUMENTATION IS REQUIRED INCLUDING APPLICABLE
CALCULATIONS, WSEC ENVELOPE COMPLIANCE FORMS, AND FENESTRATION NFRC
RATING CERTIFICATES PER C103.6.

BUILDING CODE DATA

BASED ON THE 2018 WASHINGTON STATE BUILDING CODE
BUILDING CODE
GENERAL CODE ANALYSIS:
CONSTRUCTION TYPE: III-B
SINGLE STORY
PROPOSED BUILDING: 129,040 SF
32'-0" CLEAR
FIRE PROTECTION: AUTOMATIC FIRE SPRINKLER SYSTEM (ESFR)
OCCUPANCIES: THE BUILDING TO BE UNOCCUPIED UNDER
THIS PERMIT. FUTURE OCCUPANCIES MAY
CONSIST OF B, F-1, AND S-1 OCCUPANCIES.

BUILDING HEIGHT & STORIES (TABLE 504.3, TABLE 504.4):
ALLOWABLE: 60'-0" / 2 STORIES
PROVIDED: 45'-0" / 1 STORY
UNLIMITED AREA BUILDING (SEE SECTION 507.4):
BUILDING HAS 60' PUBLIC WAYS AND/OR YARDS ON ALL "SIDES, IS ONLY
ONE LEVEL ABOVE GRADE, AND IS EQUIPPED THROUGHOUT WITH AN
AUTOMATIC SPRINKLER SYSTEM.

REDUCED OPEN SPACE (SEE SECTION 507.2.1):
SOUTH WALL IS LOCATED BETWEEN 45 AND 60 FEET AWAY AND IS 3 HOUR
RATED IN ACCORDANCE WITH SECTION 507.2.1. OPENINGS IN WALL TO BE 3
HOUR FIRE RATED.

CHAPTER 9 - FIRE PROTECTION

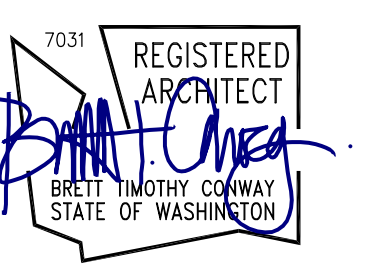
BASED ON 2018 WASHINGTON STATE FIRE CODE & 2018 WASHINGTON STATE
BUILDING CODE
WSEC SECTION 502 - FIRE APPARATUS ACCESS ROADS
SEE SHEET C15 FOR AERIAL FIRE APPARATUS ACCESS ROAD, 28 FOOT LANE
PROVIDED.
WSEC SECTION 502.1 - IDENTIFICATION
ALL FIRE PROTECTION & UTILITY EQUIPMENT SHALL BE IDENTIFIED WITH APPROVED
SIGNAGE CONSTRUCTED OF DURABLE MATERIALS AND BE READILY VISIBLE.
WSEC TABLE 601 - FIRE RESISTIVE REQUIREMENTS
EXTERIOR BEARING WALL 2-HR NR
EXTERIOR NON-BEARING WALL NR
INTERIOR BEARING WALL NR
INTERIOR NON-BEARING WALL NR
STRUCTURAL FRAME NR
FLOOR NR
ROOF NR
FIRE PUMP ROOM (913.2.1) 2-HR NR
WSEC SECTION 503 - AUTOMATIC SPRINKLER SYSTEMS
FULLY SPRINKLERED ESFR FIRE SYSTEM
WSEC SECTION 506 - PORTABLE FIRE EXTINGUISHERS
PORTABLE FIRE EXTINGUISHERS (2A:10BC MINIMUM) SHALL BE PROVIDED
THROUGHOUT BASED ON 2018 WASHINGTON STATE FIRE CODE.
WSEC CHAPTER 32 - HIGH-PILED COMBUSTIBLE STORAGE
BUILDING IS DESIGNED TO ACCOMMODATE HIGH PILED STORAGE TYPE IV
UNENCAPSULATED COMMODITIES UP TO 32' PER WSPFC TABLE 3206.2
AN AUTOMATIC SPRINKLER SYSTEM IS PROVIDED IN ACCORDANCE WITH
WSPFC SECTION 3206.4
FIRE DETECTION SYSTEM IS NOT REQUIRED PER TABLE 3206.2
BUILDING ACCESS IS PROVIDED PER WSPFC SECTION 3206.6
SMOKE AND HEAT REMOVAL IS NOT REQUIRED PER TABLE 3206.2
FOOTNOTE H NOT REQUIRED WHERE STORAGE AREAS ARE PROTECTED BY
EITHER EARLY SUPPRESSION FAST RESPONSE (ESFR) SPRINKLER SYSTEMS
OR CONTROL MODE SPECIAL APPLICATION SPRINKLERS WITH A RESPONSE
TIME INDEX OF 50 (M3/S) OR LESS THAT ARE LISTED TO CONTROL A FIRE IN
THE STORED COMMODITIES WITH 12 OR FEWER SPRINKLERS, INSTALLED IN
ACCORDANCE WITH NFPA 13
DRAFT CURTAINS ARE NOT REQUIRED PER TABLE 3206.2

CHAPTER 10 - MEANS OF EGRESS

SECTION 1008 - MEANS OF EGRESS ILLUMINATION
PROVIDE MEANS OF EGRESS ILLUMINATION AT A MINIMUM OF ONE FOOT-CANDLE AT PATH
OF EGRESS TO MEET SECTION 1008. EXTEND TO 5'-0" OUTSIDE EGRESS DOORS.
EMERGENCY POWER LIGHTING REQUIRED THROUGHOUT PER WSEC 1008 PROVIDED:
EMERGENCY POWER FOR MINIMUM 90 MINUTES (BATTERY BACK-UP)
AVERAGE INITIAL ILLUMINATION OF 1 FOOT-CANDLE (1 LUX)
MAXIMUM TO MINIMUM UNIFORMITY RATIO OF 40 TO 1, MAXIMUM
SECTION 1010 - DOORS, GATES, AND TURNSTILES
RATED, SIZED, AND HARDWARE PROVIDED TO MEET SECTION 1010 - SEE INDIVIDUAL FLOOR
PLANS AND SPECIFICATIONS.
PROVIDE PANIC HARDWARE AT ELECTRICAL ROOM (1010.1.10)
SECTION 1013 - EXIT SIGNS
PROVIDE EXIT SIGNAGE TO MEET SECTION 1013.1 - EXIT SIGNAGE TO BE PART OF
ELECTRICAL PL.
SECTION 1016 AND 1017 - EXIT ACCESS
ALL SPACES EXIT DIRECTLY TO THE EXTERIOR, THROUGH AN ENTRY FOYER OR THROUGH
AN INTERVENING ROOM (SECTION 1016.2)
WAREHOUSE: MAXIMUM DISTANCE ALLOWED: 400'-0"
MAXIMUM DISTANCE PROVIDED: 142'-8"
MAXIMUM COMMON PATH ALLOWED: 100'-0"
MAXIMUM COMMON PATH PROVIDED: 32'-0"
SECTION 1006 - EXIT ACCESS DOORWAYS
F-1 INDUSTRIAL: 129,040 SF/100 OCC = 1,291 OCC.
WAREHOUSE: (6) EXITS PROVIDED
(15) EXITS PROVIDED
ALL EXITS DISCHARGE DIRECTLY TO EXTERIOR.
MIN. EXIT WIDTH REQUIRED = 2' X 1,291 OCC = 2582"
EXIT WIDTH PROVIDED: 16 X 8' X 540"
ELECTRICAL ROOM: (1) EXIT REQUIRED
(1) EXIT PROVIDED
MIN. EXIT WIDTH REQUIRED = 2' X 1 OCC = 2"
EXIT WIDTH PROVIDED: 36"
FIRE SPRINKLER VALVE: (1) EXIT REQUIRED
(1) EXIT PROVIDED
MIN. EXIT WIDTH REQUIRED = 2' X 2 OCC = 4"
EXIT WIDTH PROVIDED: 72"
SECTION 1022 - EXITS
COMPONENTS AND OPENINGS ARE SHOWN ON THIS SHEET AND INDIVIDUAL FLOOR PLANS.
SECTION 1028 - EXIT DISCHARGE
ALL EXITS DISCHARGE AT THE GROUND LEVEL. SEE SITE PLAN.

LEGEND

- ← EGRESS DOOR LOCATION
- ⊗ PROVIDE EMERGENCY ILLUMINATED EXIT SIGNS FOR THESE LOCATIONS
- MAXIMUM TRAVEL DISTANCE
- 44' EGRESS PATH, PROVIDE 1 FC EMERGENCY ILLUMINATION
- 75' MAXIMUM TRAVEL DISTANCE BETWEEN FIRE EXTINGUISHERS
- ◆ FIRE EXTINGUISHER LOCATION, GC TO COORDINATE FINAL QUANTITIES AND LOCATIONS WITH FIRE MARSHAL
- ▲ DRIVE IN OVERHEAD DOOR
- △ AT-GRADE OVERHEAD DOOR
- 1HR RATED WALL
- 2HR RATED WALL
- 3HR RATED WALL



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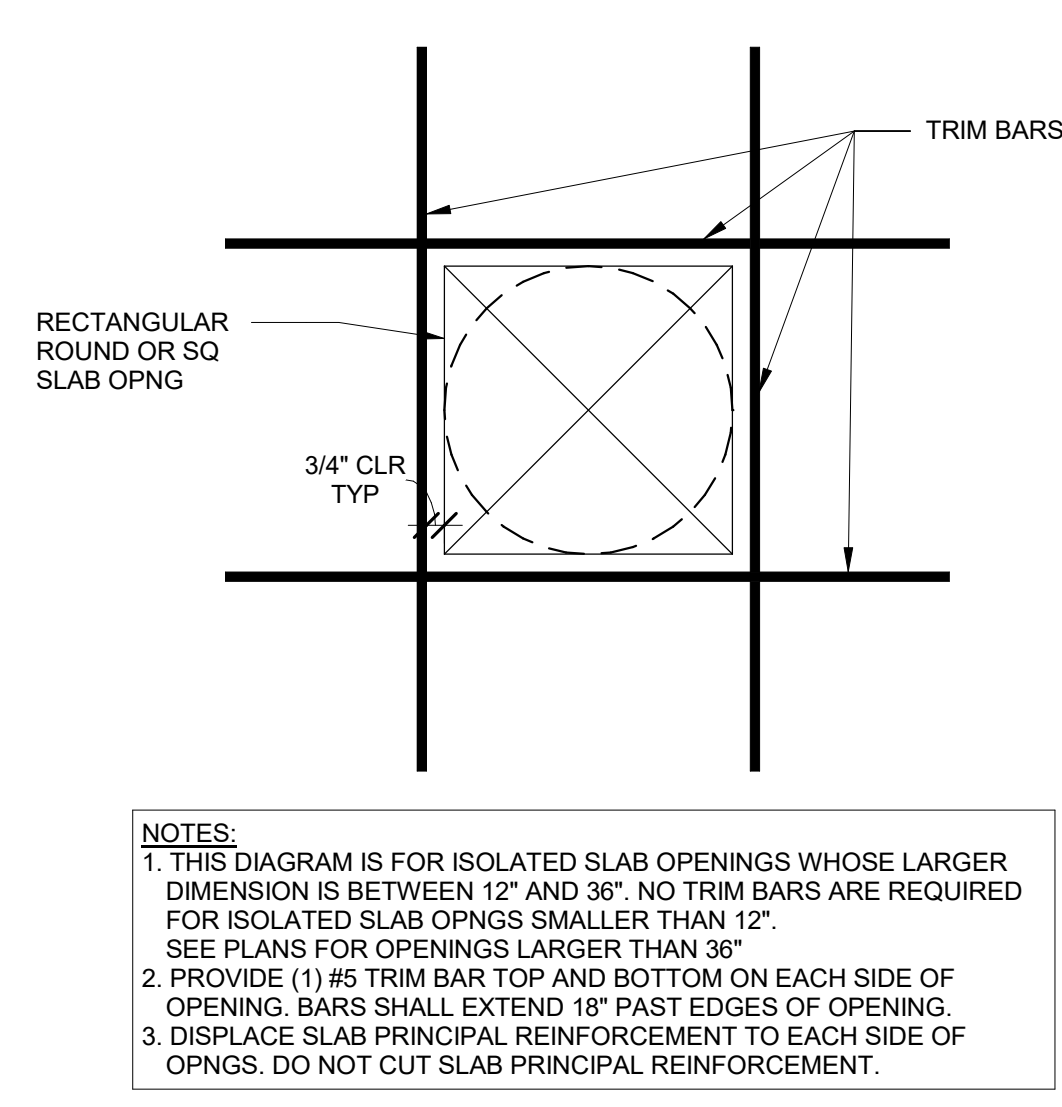
REVISION SCHEDULE		
Date	Issued As	Issue Date
1	PLAN CHECK	11/07/23

SHEET TITLE:
**CODE
ANALYSIS
PLAN**

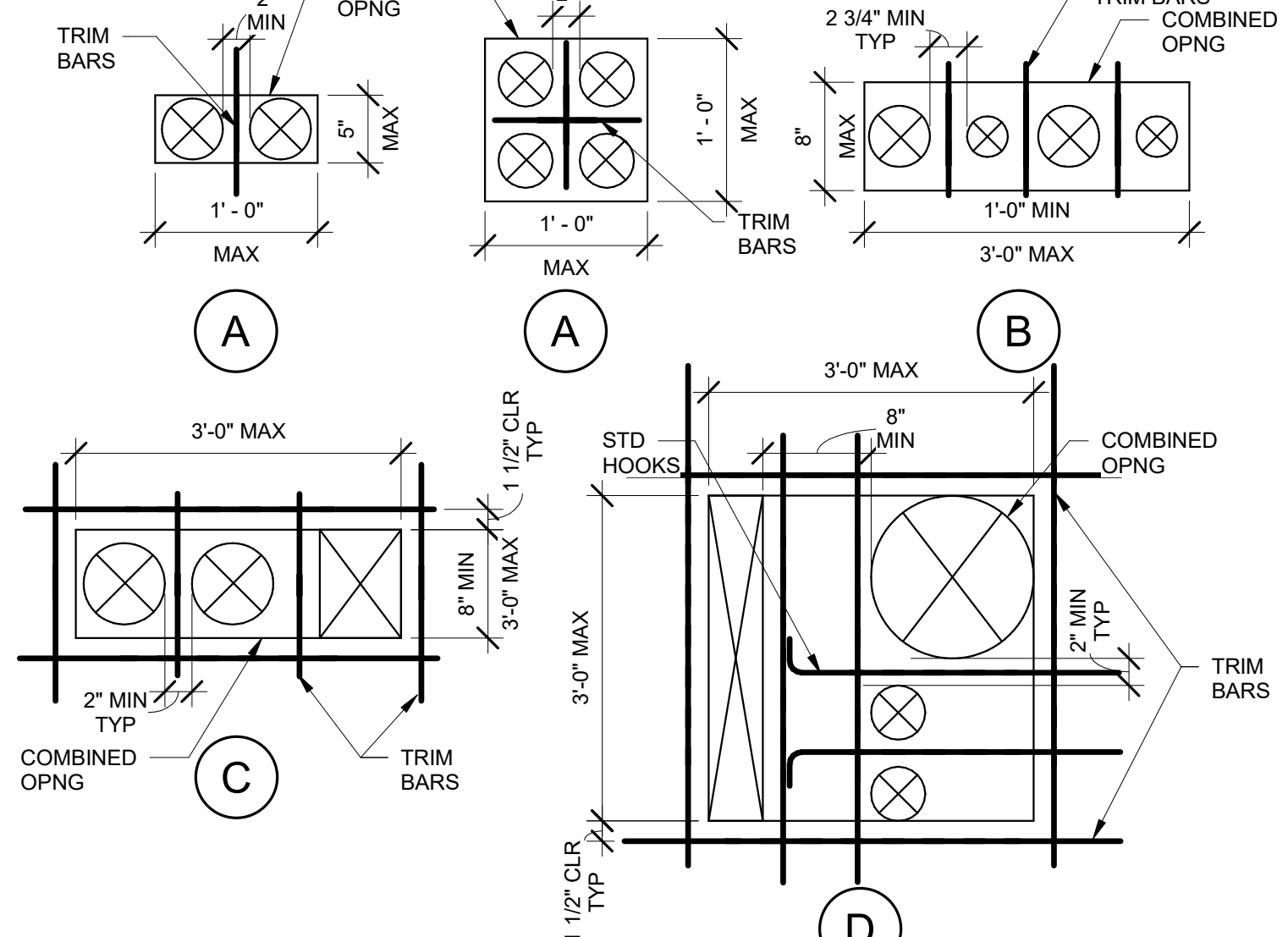
SHEET

G1.10

JOB NO. **2220290.00**



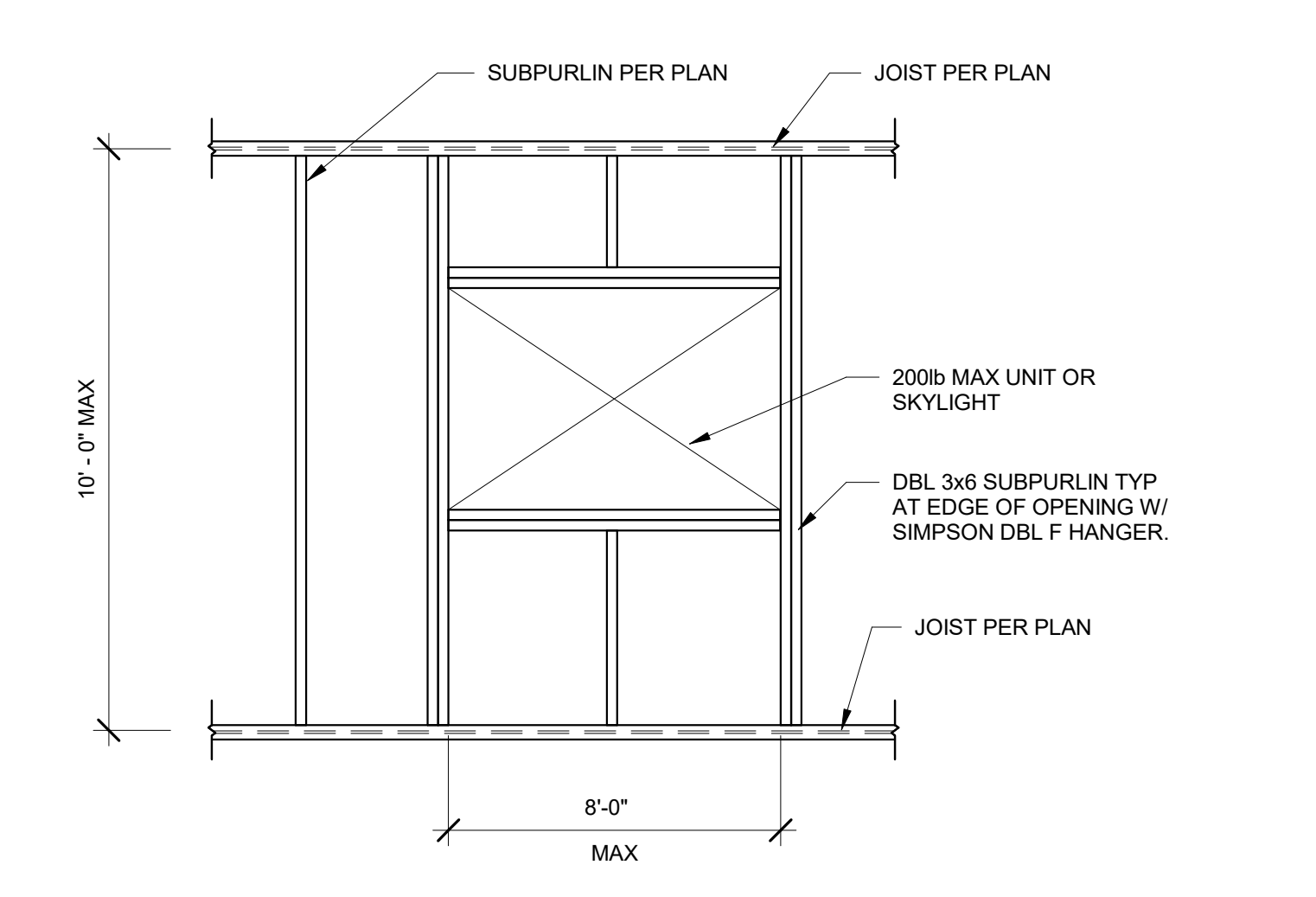
1 TRIM BARS FOR ISOLATED SLAB OPENINGS
80.10 1 1/2" = 1'-0"



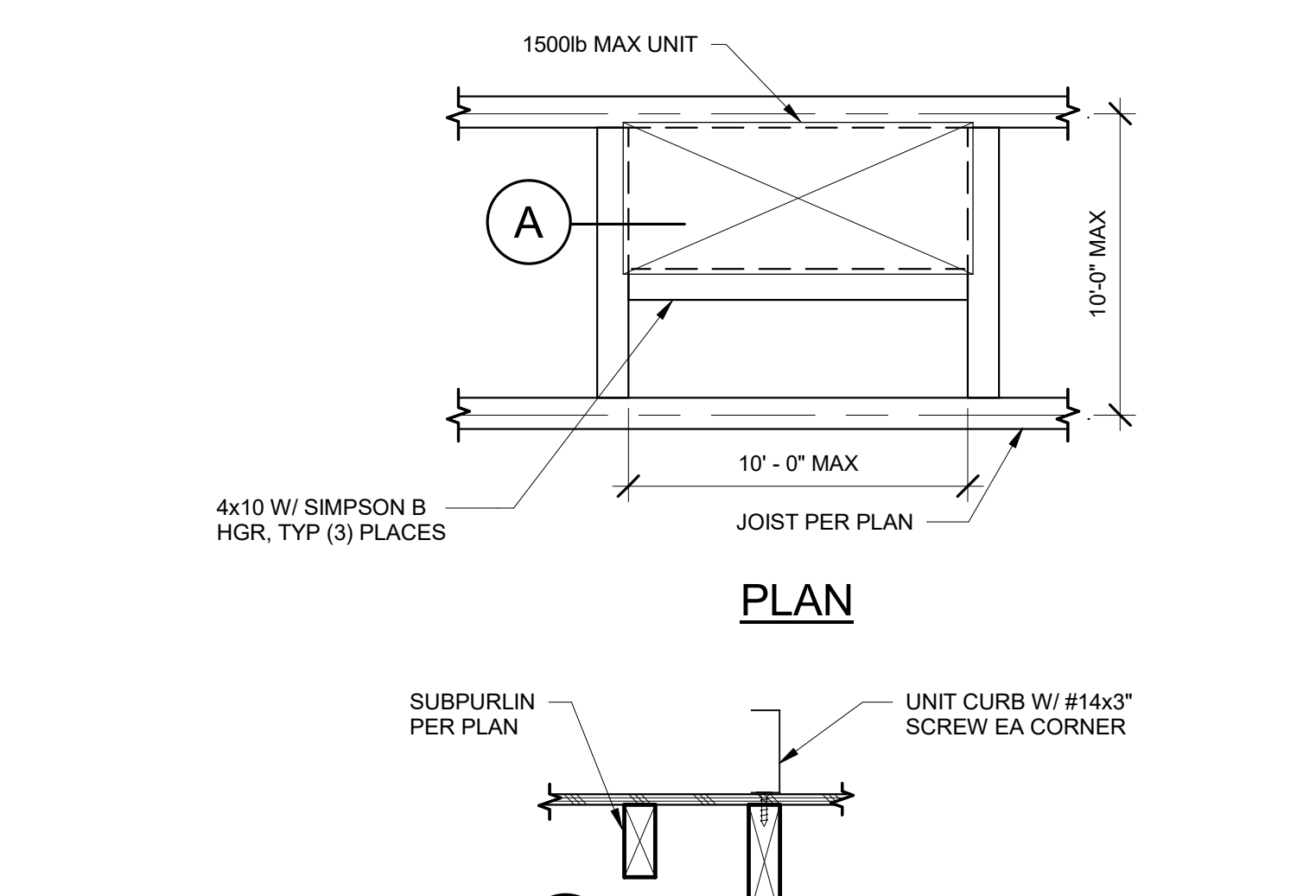
2 TRIM BARS FOR MULTIPLE SLAB OPENINGS
80.10 1" = 1'-0"

NOTES:
1. SLAB OPENINGS WHICH ARE CLOSER TO ONE ANOTHER THAN THE DIAMETER OR SHORTER SIDE OF THE LARGER OF THE TWO ARE CONSIDERED TO FORM A COMBINED OPENING.
2. THESE DIAGRAMS ARE FOR COMBINED OPENINGS WHOSE LARGER DIMENSIONS DOES NOT EXCEED 36". SEE PLANS FOR OPENINGS LARGER THAN 36".
3. TRIM BAR EXTENSION PAST EDGES OF COMBINED OPENINGS SHALL BE 12" FOR #4 BARS AND 18" FOR #5 BARS.
4. DISPLACED SLAB PRINCIPAL REINFORCEMENT TO EACH SIDE OF COMBINED OPENINGS OR PLACE BETWEEN INDIVIDUAL OPENINGS. DO NOT CUT SLAB PRINCIPAL REINFORCEMENT.
5. TENDONS MAY PASS BETWEEN SLAB OPENINGS WHEN THE DISTANCE BETWEEN OPENINGS IS GREATER THAN OR EQUAL TO THE SLAB THICKNESS PLUS (N-1) TIMES 3 INCHES, WHERE 'N' IS THE NUMBER OF TENDONS IN A BUNDLE OR DUCT. TENDONS MUST FOLLOW A STRAIGHT ALIGNMENT (IN PLAN) THROUGH THE COMBINED OPENINGS AND FOR AT LEAST 24" ON EACH SIDE.
6. SUBMIT SPECIAL SITUATIONS TO ENGINEER FOR REVIEW.
7. SEE 155.10 FOR TRIM BARS AT ISOLATED OPENINGS.

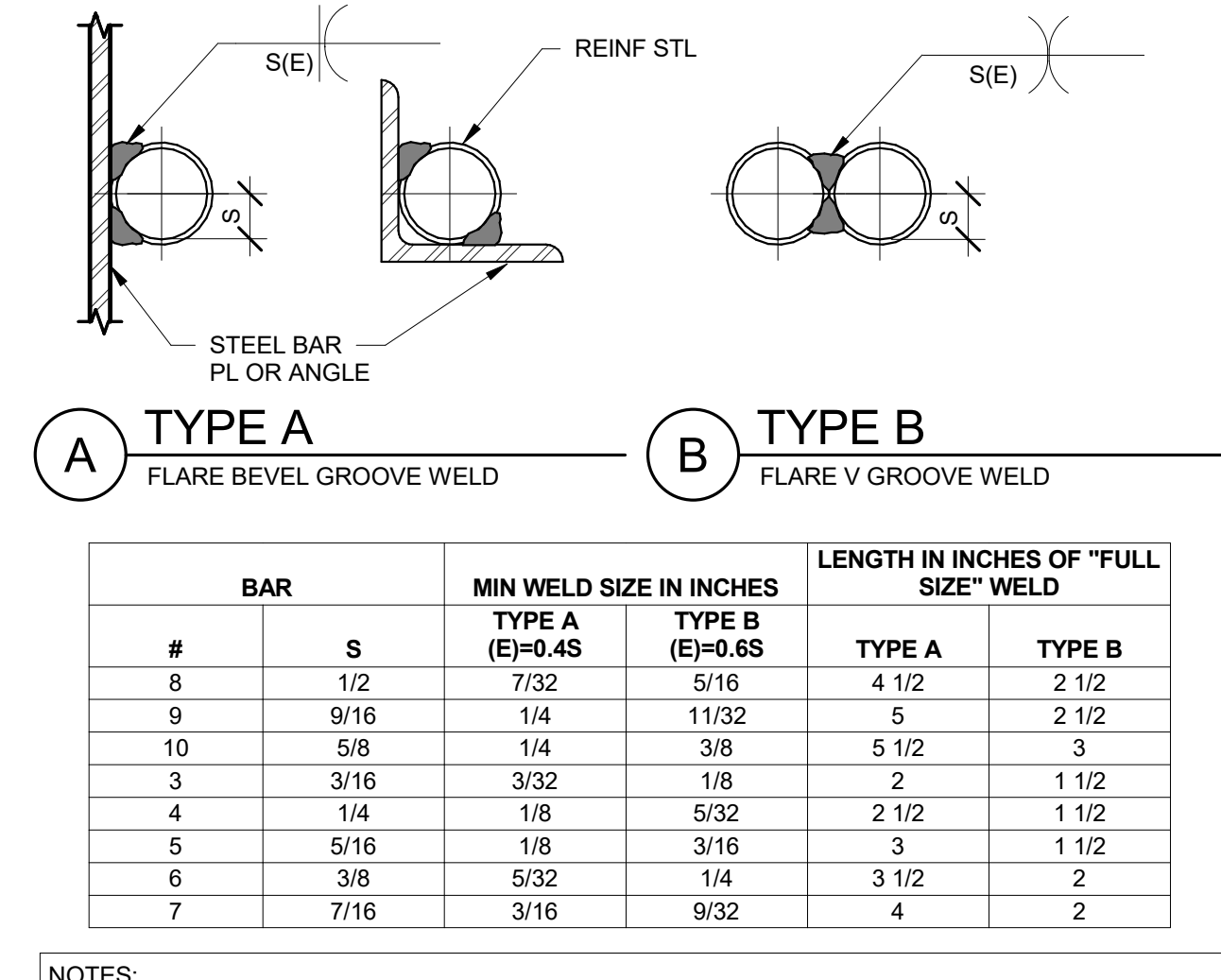
TRIM BAR REQUIREMENTS:
A. IF THE COMBINED OPNG IS SMALLER THAN 12", PROVIDE (1) #4 TOP AND BOTTOM BETWEEN OPENINGS.
B. IF THE LARGER DIMENSION OF A COMBINED OPENING EXCEEDS 12" BUT THE SMALLER DIMENSION IS LESS THAN OR EQUAL TO 3" AND PROVIDED THE COMBINED OPENING IS ALIGNED WITH THE PRINCIPAL REINFORCEMENT, PROVIDE (1) #4 TOP AND BOTTOM BETWEEN OPENINGS.
C. IN ALL OTHER CASES WHERE OPENINGS ARE ARRANGED IN A SINGLE LINE PROVIDE (1) #4 TOP AND BOTTOM BETWEEN OPENINGS AND (1) #5 TOP AND BOTTOM AROUND PERIMETER OF COMBINED OPENING.
D. WHERE INDIVIDUAL OPNGS OF A COMBINED OPNG FORM TWO OR MORE ROWS, THE ROWS SHALL BE SEPARATED BY AT LEAST 8" OF CONCRETE. PROVIDE (2) #4 TOP AND BOTTOM BETWEEN ROWS OF OPENINGS, (1) #4 TOP AND BOTTOM BETWEEN OPENINGS IN THE PERPENDICULAR DIRECTION, AND (1) #5 TOP AND BOTTOM AROUND PERIMETER OF COMBINED OPENING. PROVIDE STANDING HOOKS WHERE BARS TERMINATE WITHIN THE COMBINED OPENING.



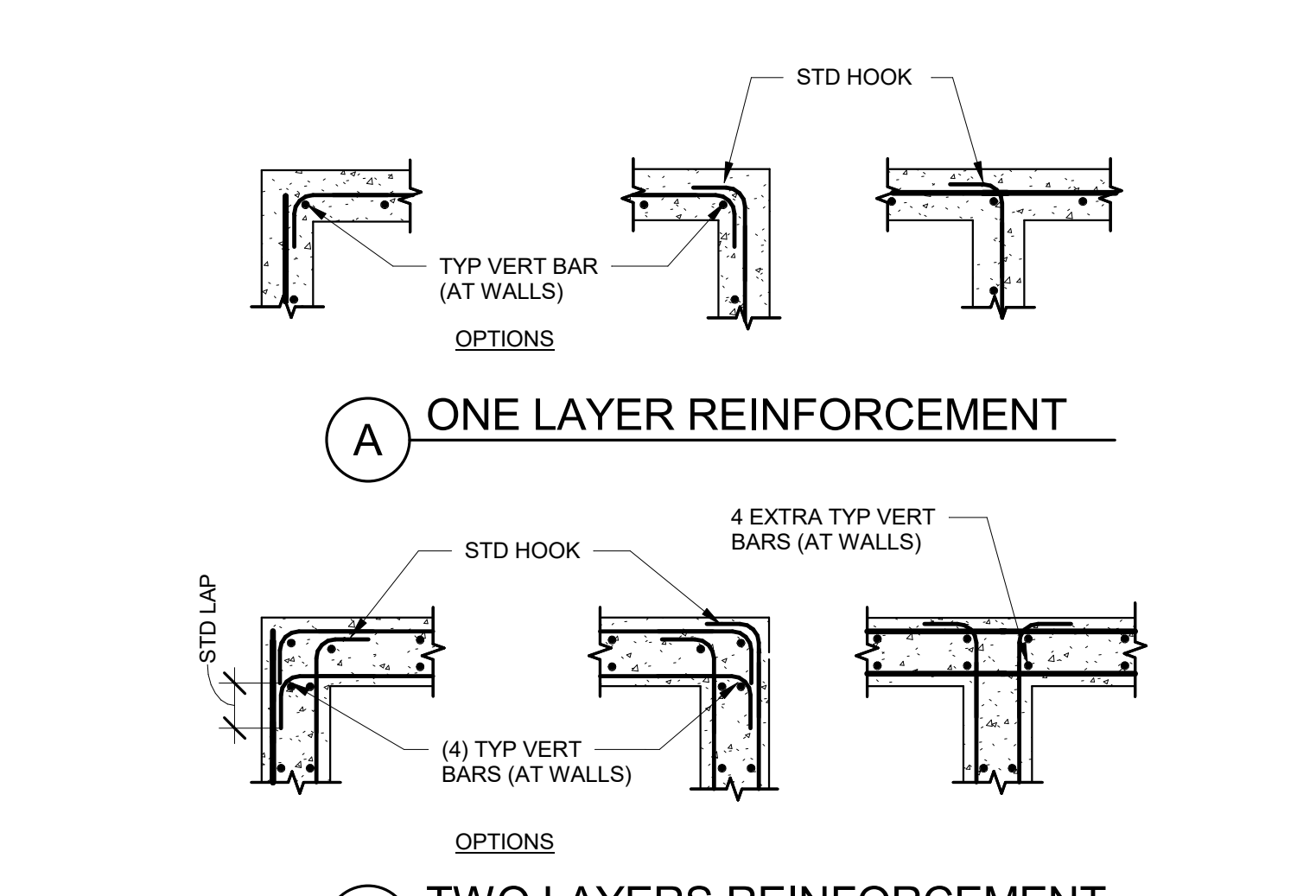
3 OPENING IN WOOD ROOF
80.10 1/2" = 1'-0"



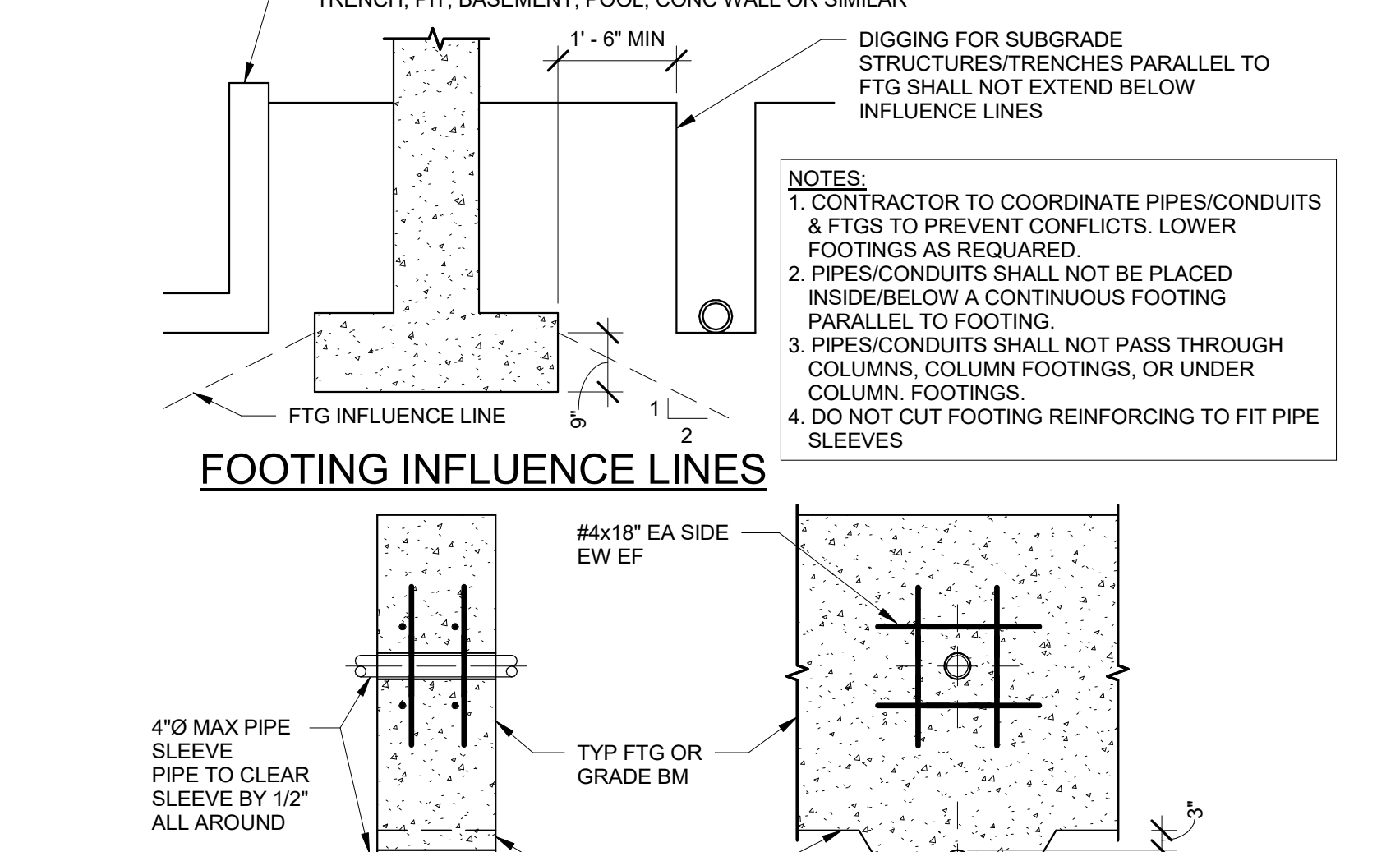
7 MECHANICAL UNIT SUPPORT (WOOD ROOF)
80.10 1 1/2" = 1'-0"



8 WELDING OF REINFORCED STEEL
80.10 1 1/2" = 1'-0"



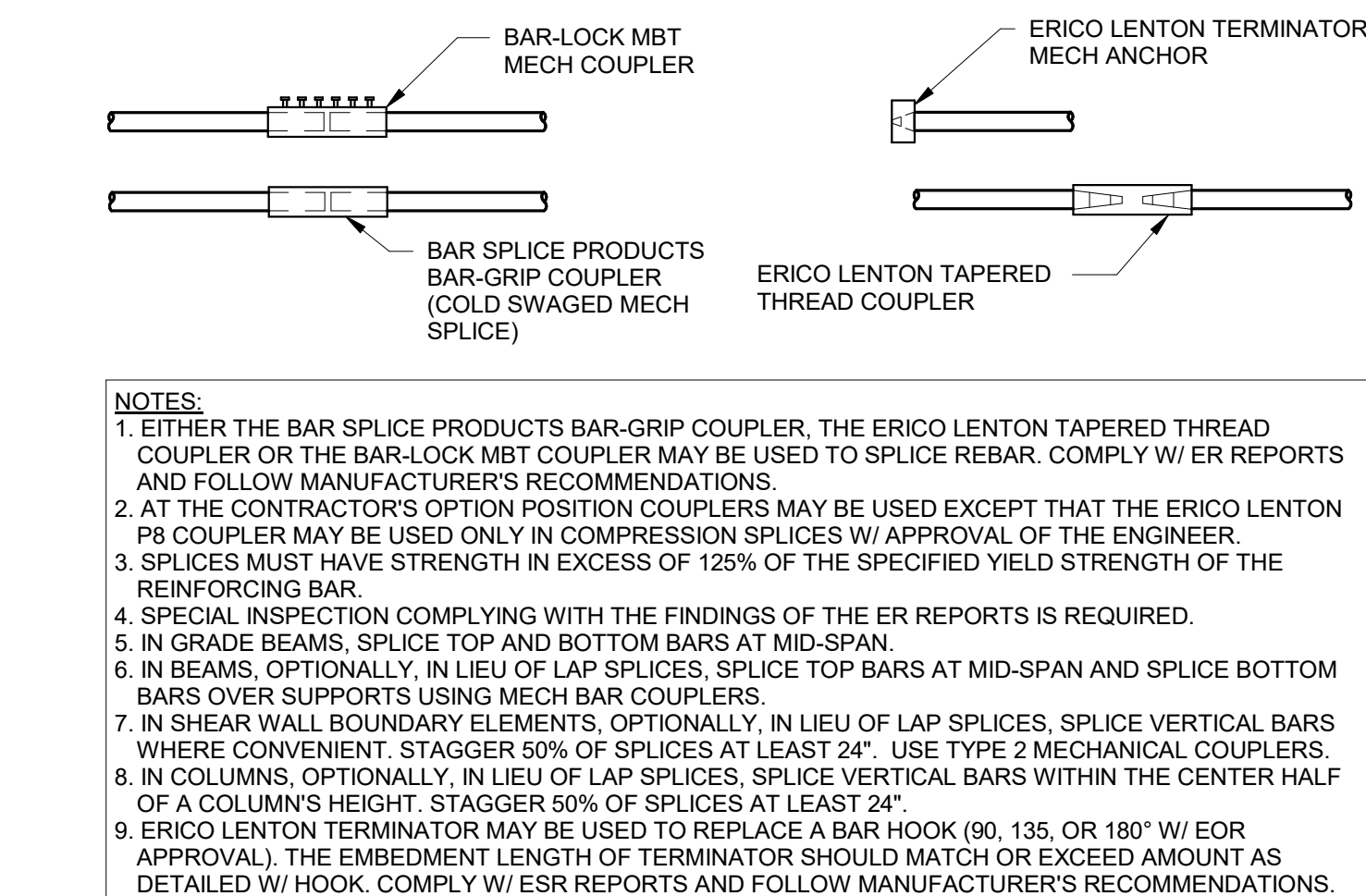
9 REINFORCING AT CONCRETE WALL, BEAM AND FOOTING INTERSECTIONS
80.10 1 1/2" = 1'-0"



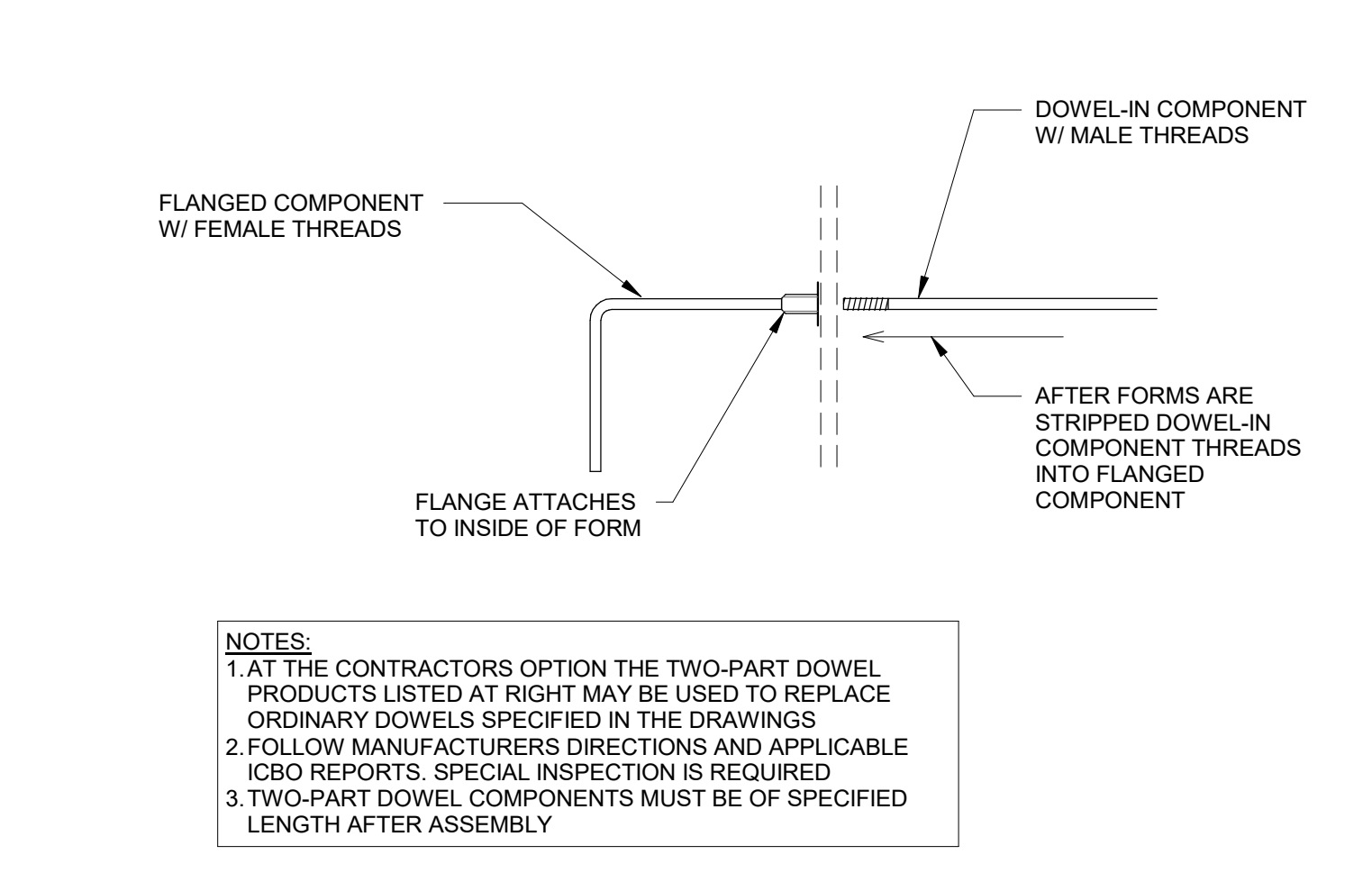
10 PIPING CONDUITS AT GRADE BEAMS & FOOTINGS
80.10 1/2" = 1'-0"

BAR	LENGTH (UNO) IN INCHES					
	F _c = 3000 PSI		F _c = 4000 PSI		F _c = 5000 PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	28	22	25	19	22	17
#4	38	29	33	25	29	23
#5	47	36	41	31	36	28
#6	56	43	49	37	44	34
#7	61	53	71	54	63	49
#8	63	72	81	62	72	56
#9	105	81	91	70	81	63
#10	118	91	102	79	92	71

NOTES:
1. WHEN TWO BAR SIZES ARE SPLICED, USE LAP LENGTH FOR SMALLER BAR.
2. TABLE IS FOR CLASS B SPLICES.
3. TABLE DOES NOT APPLY TO SPLICES WITH EPOXY COATED BARS.
4. FOR LIGHTWEIGHT CONCRETE MULTIPLY VALUES BY 1.3.
5. YIELD STRENGTH OF THE STEEL BARS IS ASSUMED TO BE 60,000 PSI.
6. TOP BARS ARE DEFINED AS HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE BARS.
7. SEE DRAWINGS FOR EXCEPTIONAL CASES.
8. AT CONTRACTOR'S OPTION, USE MECHANICAL COUPLERS PER 1350.10 TO REDUCE CONGESTION

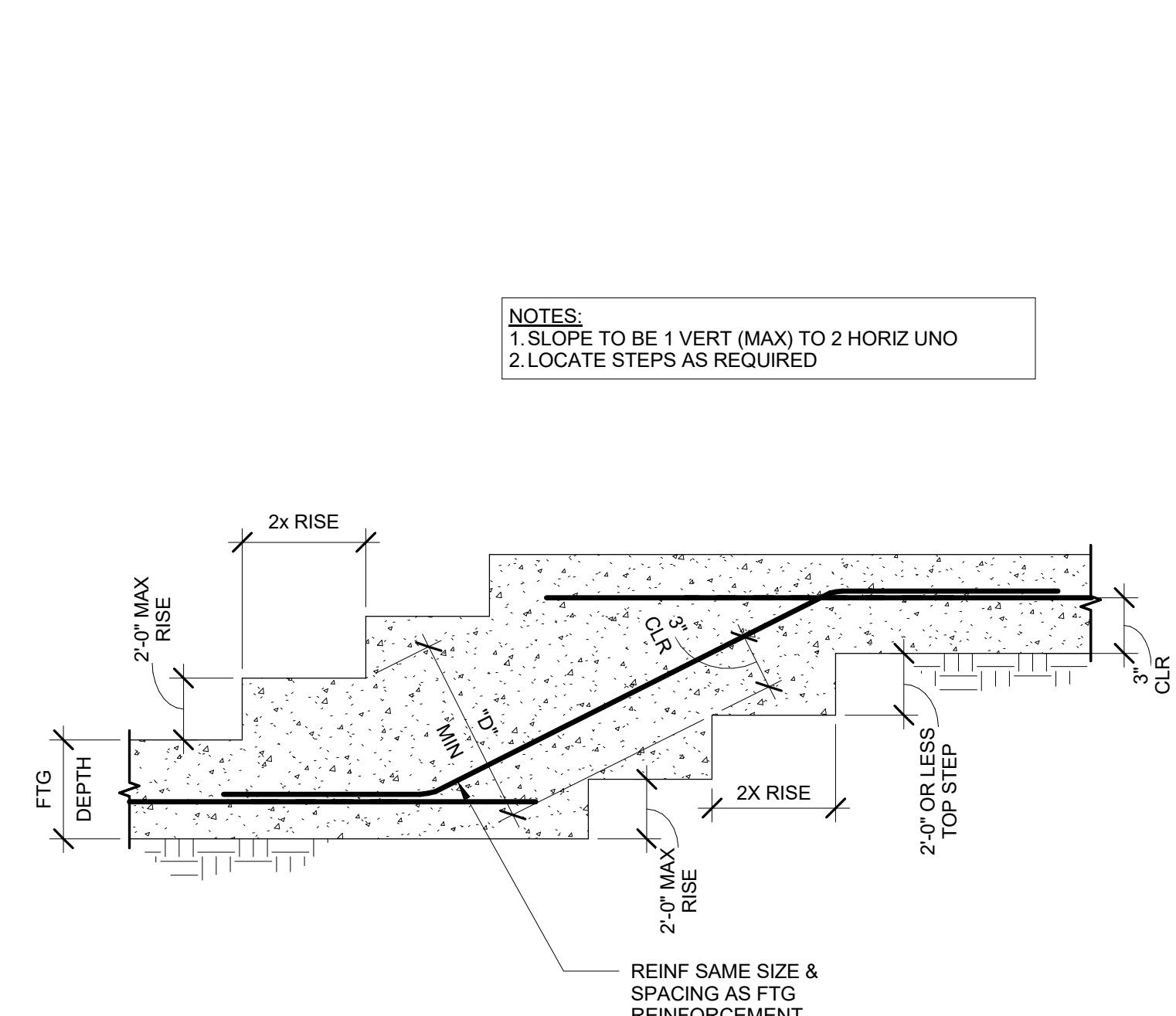
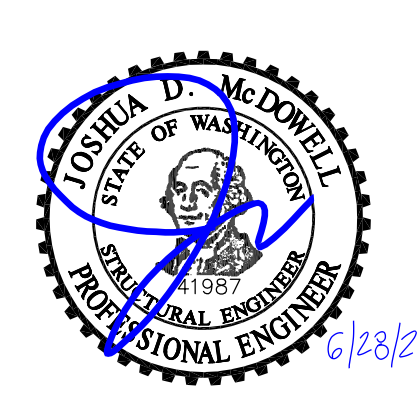


NOTES:
1. EITHER THE BAR SPLICE PRODUCTS BAR-GRIP COUPLER, THE ERICO LENTON TAPERED THREAD COUPLER OR THE BAR-LOCK MBT COUPLER MAY BE USED TO SPLICE REBAR. COMPLY W/ ER REPORTS AND FOLLOW MANUFACTURER'S RECOMMENDATIONS.
2. AT THE CONTRACTOR'S OPTION POSITION COUPLERS MAY BE USED EXCEPT THAT THE ERICO LENTON PB COUPLER MAY BE USED ONLY IN COMPRESSION SPLICES W/ APPROVAL OF THE ENGINEER.
3. SPLICES MUST HAVE STRENGTH IN EXCESS OF 105% OF THE SPECIFIED YIELD STRENGTH OF THE REINFORCING BAR.
4. SPECIAL INSPECTION COMPLYING WITH THE FINDINGS OF THE ER REPORTS IS REQUIRED.
5. IN GRADE BEAMS, SPLICE TOP AND BOTTOM BARS AT MID-SPAN.
6. IN BEAMS, OPTIONALLY, IN LIEU OF LAP SPLICES, SPLICE TOP BARS AT MID-SPAN AND SPLICE BOTTOM BARS OVER SUPPORTS USING MECH BAR COUPLERS.
7. IN SHEAR WALL BOUNDARY ELEMENTS, OPTIONALLY, IN LIEU OF LAP SPLICES, SPLICE VERTICAL BARS WHERE CONVENIENT, STAGGER 50% OF SPLICES AT LEAST 24". USE TYPE 2 MECHANICAL COUPLERS.
8. IN COLUMNS, OPTIONALLY, IN LIEU OF LAP SPLICES, SPLICE VERTICAL BARS WITHIN THE CENTER HALF OF A COLUMN'S HEIGHT, STAGGER 50% OF SPLICES AT LEAST 24".
9. ERICO LENTON TERMINATOR MAY BE USED TO REPLACE A BAR HOOK (90, 135, OR 180° W/ EOR APPROVAL). THE EMBEDMENT LENGTH OF TERMINATOR SHOULD MATCH OR EXCEED AMOUNT AS DETAILED W/ HOOK. COMPLY W/ ESR REPORTS AND FOLLOW MANUFACTURER'S RECOMMENDATIONS.

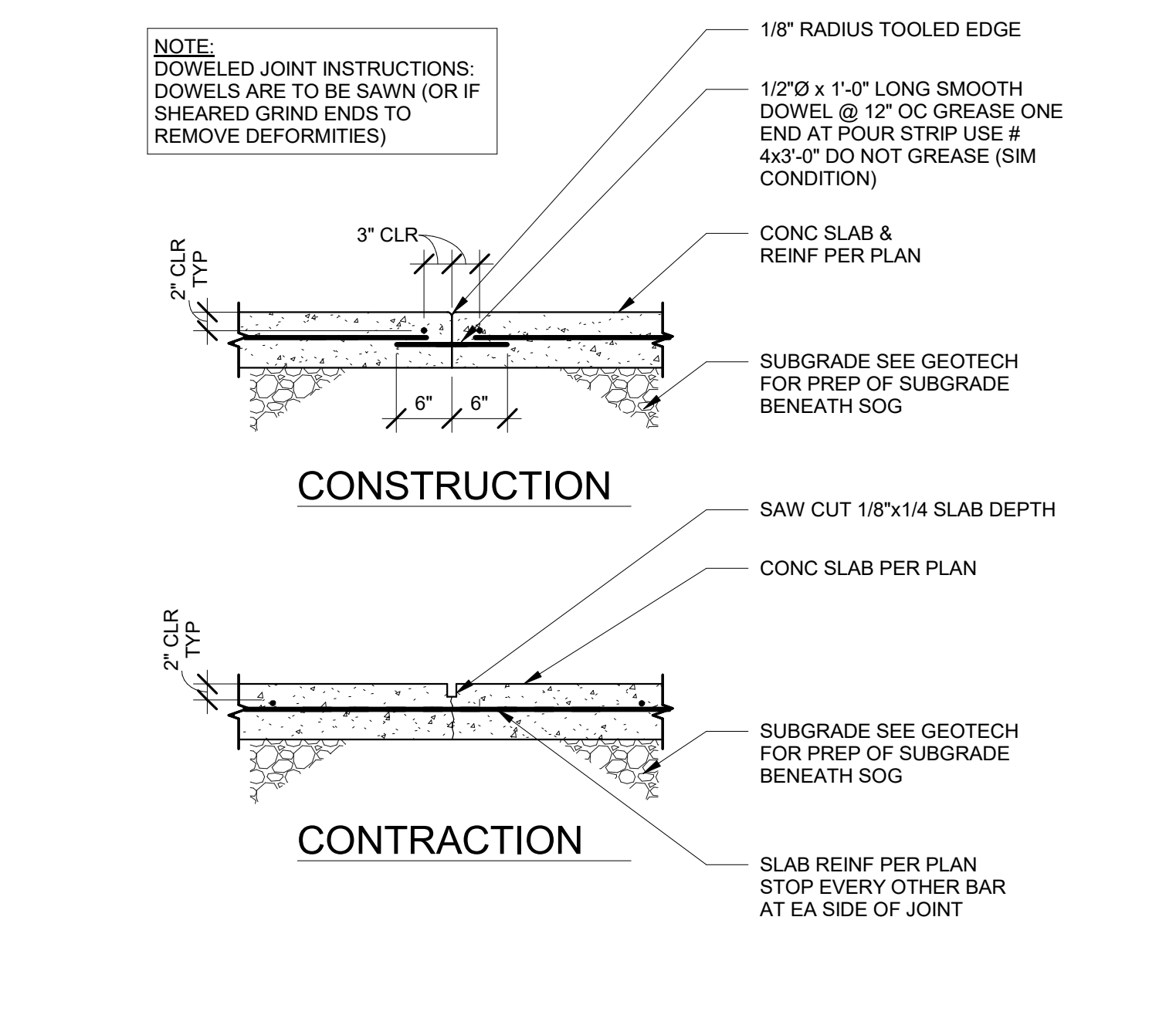


NOTES:
1. AT THE CONTRACTOR'S OPTION THE TWO-PART DOWEL PRODUCTS LISTED AT RIGHT MAY BE USED TO REPLACE ORDINARY DOWELS SPECIFIED IN THE DRAWINGS.
2. FOLLOW MANUFACTURERS DIRECTIONS AND APPLICABLE ICBO REPORTS. SPECIAL INSPECTION IS REQUIRED.
3. TWO-PART DOWEL COMPONENTS MUST BE OF SPECIFIED LENGTH AFTER ASSEMBLY.

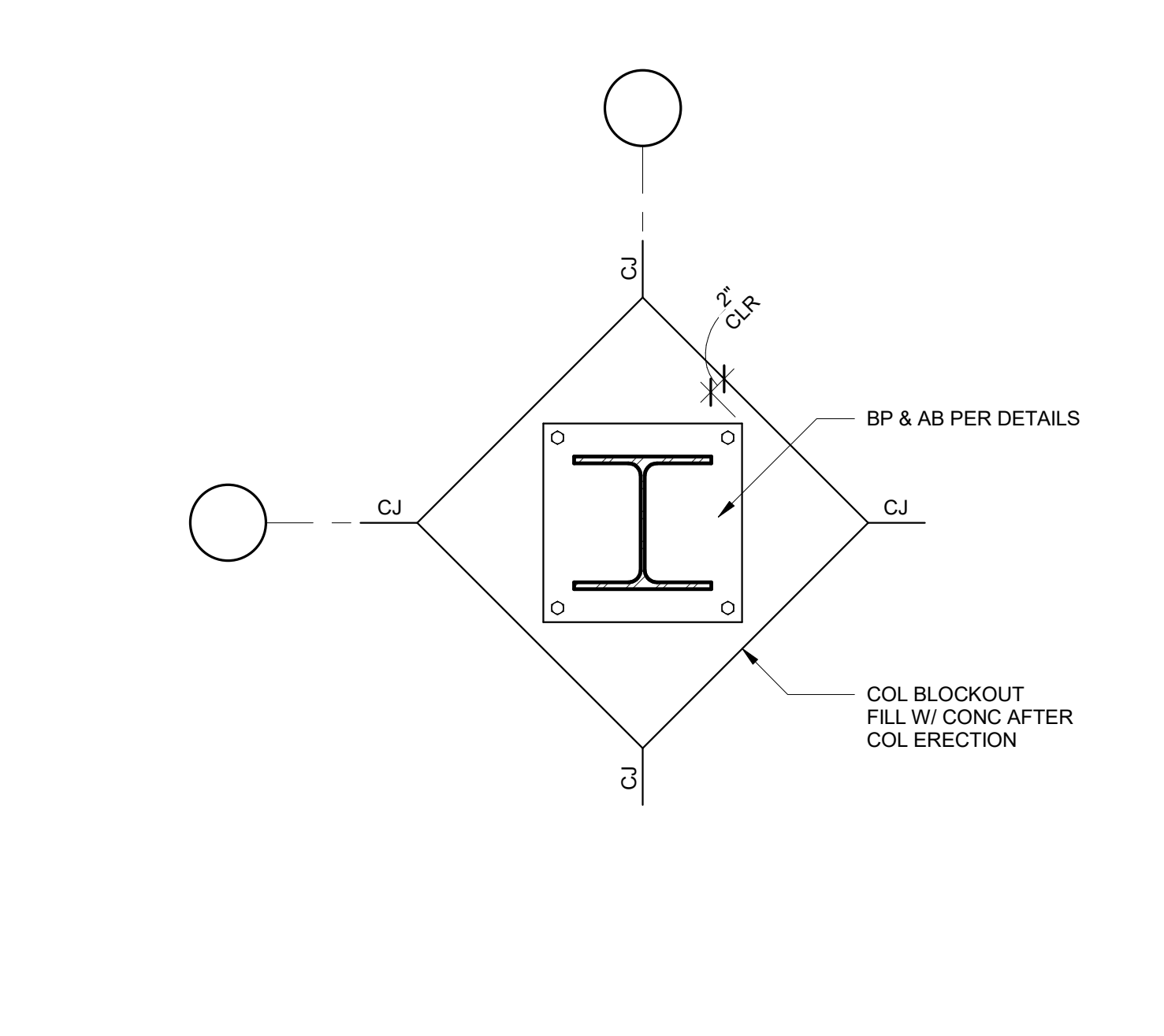
MANUFACTURER & BRAND NAME	REQUIRED SIZE OF FABRICATED TWO-PART DOWEL COMPONENTS					
	#4 DOWEL-IN COMPONENT	#4 DOWEL-IN COMPONENT	#5 DOWEL-IN COMPONENT	#5 DOWEL-IN COMPONENT	#6 DOWEL-IN COMPONENT	#6 DOWEL-IN COMPONENT
RICHMOND DOWEL BAR SUBSTITUTION	#4	#4	#5	#5	#6	#6
LENTON FORM SAVING	#4	#4	#5	#5	#6	#6
DAYTON-SUPERIOR D-50 DOWEL BAR REPLACEMENT	#4	#4	#5	#5	#6	#6



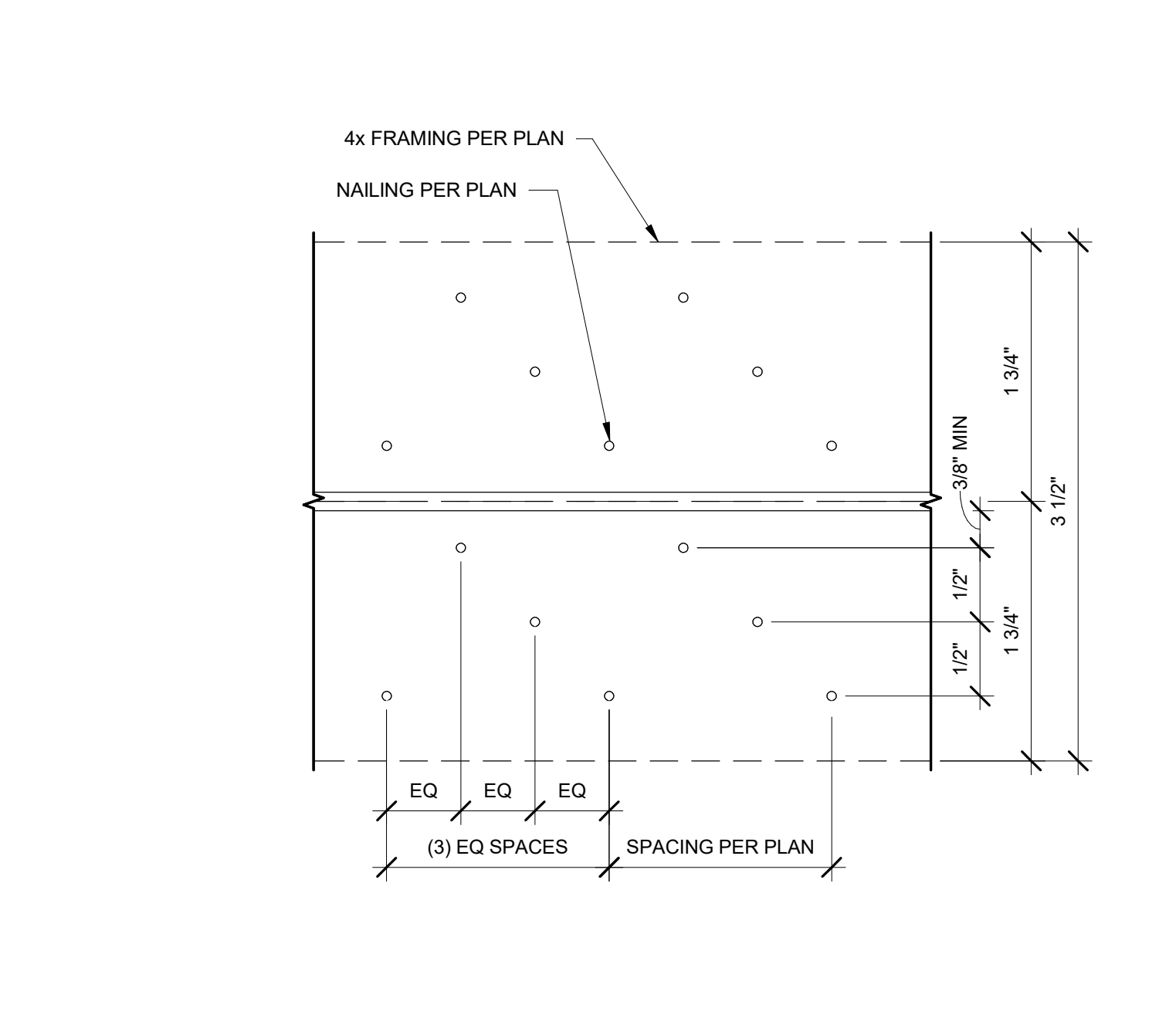
16 TYPICAL STEP IN WALL FOOTING
80.10 1 1/2" = 1'-0"



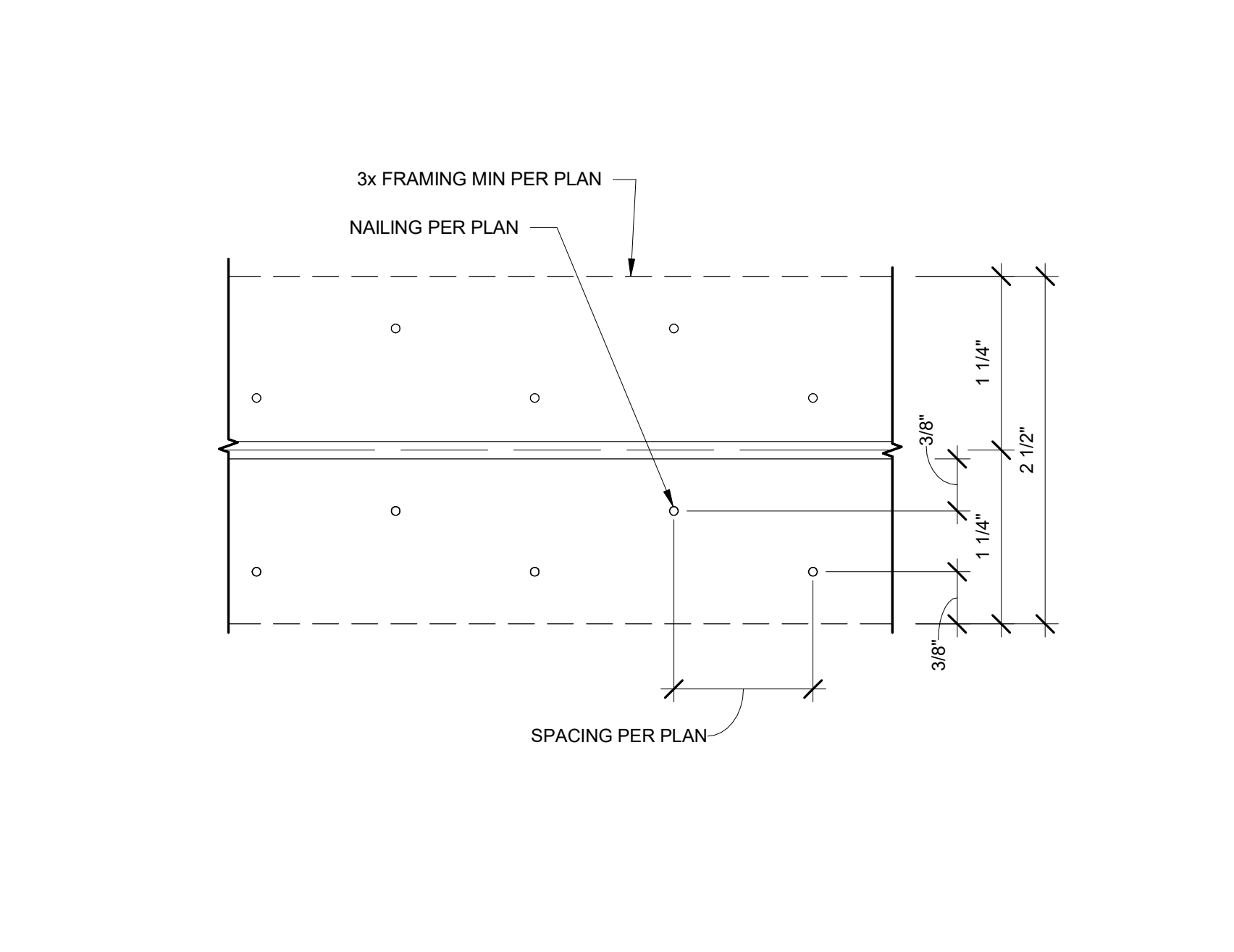
17 CONTRACTION/CONSTRUCTION JOINTS
80.10 3/4" = 1'-0"



18 DIAMOND BLOCKOUT AT COL
80.10 3/4" = 1'-0"



19 HEAVY STAGGERED NAILING
80.10 12" = 1'-0"



20 STAGGERED NAILING
80.10 12" = 1'-0"

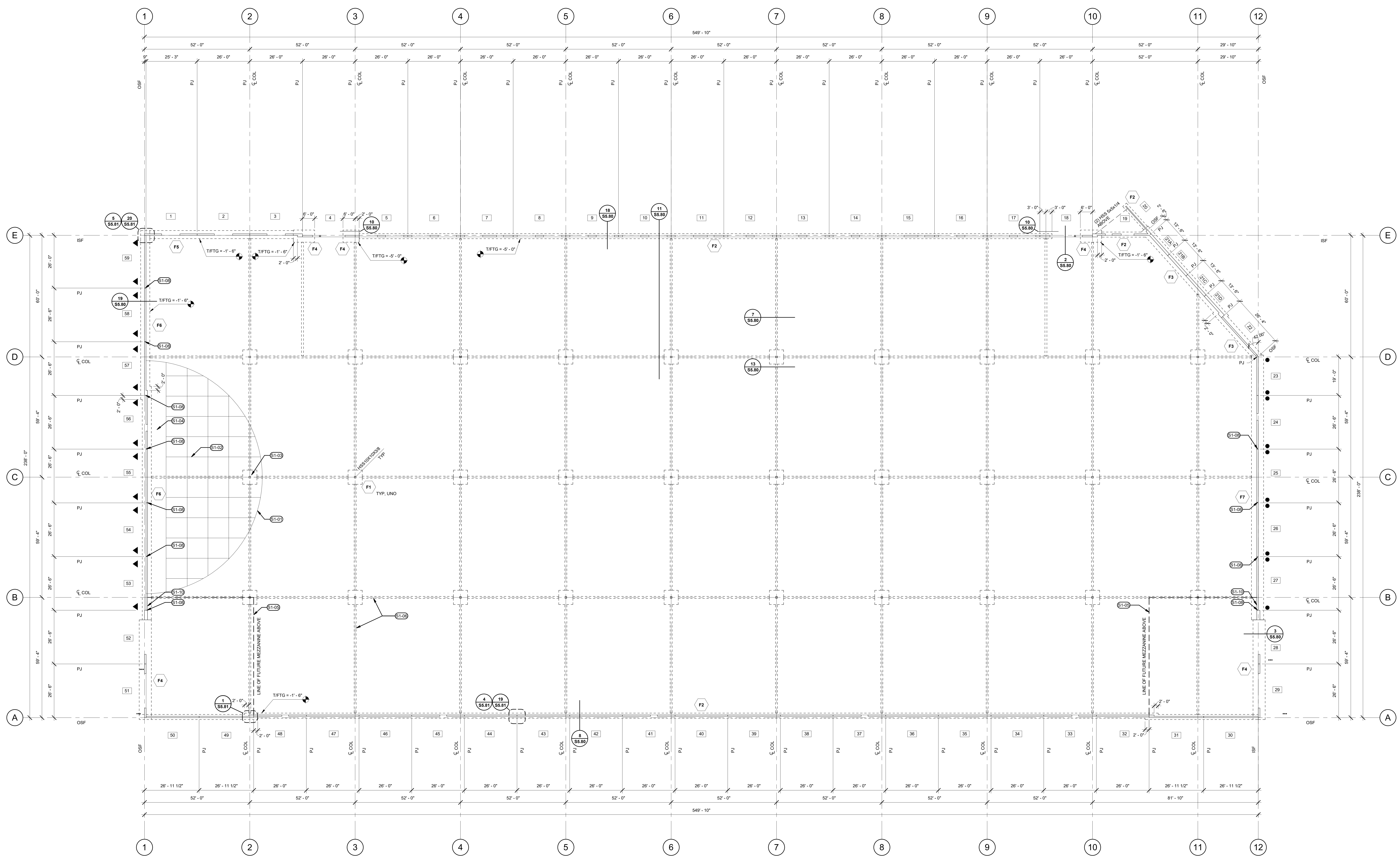
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REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
TYPICAL DETAILS

SHEET

S0.10



FOUNDATION PLAN
S1.11
1/16" = 1'-0"

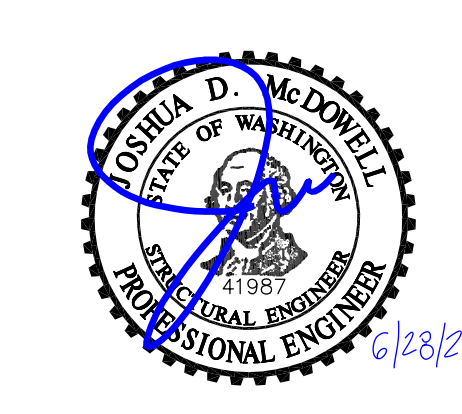
SHEET NOTES
 A. FOR GENERAL STRUCTURAL NOTES SEE SHEET 50.00.
 B. FOR TYPICAL STRUCTURAL DETAILS SEE SHEET 50.10.
 C. FOR SLAB-ON-GRADE AND FOUNDATION SUB-BASE, VAPOR-RETARDING MEMBRANE, GEOTEXTILE AND DRAINAGE REFER TO GEOTECHNICAL REPORT.
 D. LOCATE CL OF FOOTINGS AT CL OF COLUMNS AND/OR WALLS, UNO.
 E. SEE GENERAL STRUCTURAL NOTES FOR CONTRACTOR / CONSTRUCTION JOINT REQUIREMENTS FOR SLAB ON GRADE.
 F. SEE TYPICAL DETAILS FOR REINFORCEMENT AT SLAB PENETRATION AND BLOCKOUTS.
 G. SEE TYPICAL DETAILS FOR REINFORCEMENT AT WALL AND FOOTING CORNERS AND INTERSECTIONS.
 H. SEE TYPICAL DETAILS FOR REINFORCEMENT LAP SPICE LENGTHS.
 I. CHAIR SLAB REINFORCING AS REQ'D. LIFTING OF BARS WHILE PLACING OF CONCRETE NOT ALLOWED.
 J. TOP OF FOOTING ELEVATIONS ARE SHOWN RELATIVE TO TOP OF SLAB ON GRADE ELEVATION OF 0'-0". SEE CIVIL/ARCH FOR REFERENCE ELEVATION DATUM INFORMATION.
 K. TYPICAL TOP OF FOOTING ELEVATIONS = -0'-2" (INTERIOR) ION ON PLAN.
 L. SEE GENERAL STRUCTURAL NOTES FOR CONTRACTOR'S RESPONSIBILITIES FOR COORDINATING TOP & BOTTOM OF FOOTING ELEVATIONS, FOOTING STEPS, SITE CONDITIONS AND UTILITIES.
 M. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCH DRAWING INCLUDING SLAB ELEVATIONS, SLOPES, STEPS, AND RECESSES.

LEGEND
 T/FTG - X'-X"
 TOP OF FOOTING ELEV. RELATIVE TO 0'-0"
 FA FOOTING PER SCHEDULE
 ● HOLD DOWN PER 19/SS.80 W/ (4) #6 BARS
 ▼ HOLD DOWN PER 19/SS.80 W/ (2) #6 BARS
 99 PANEL NUMBER

KEYNOTES
 S1-01 7" CONCRETE SLAB-ON-GRADE W/ #3 @ 15" OC DW. FOR SUB-BASE. SEE GEOTECHNICAL REPORT.
 S1-02 CONTRACTOR/CONSTRUCTION JOINTS PER TYPICAL DETAILS, S0.10 AND GENERAL NOTES, S0.00.
 S1-03 COLUMN BLOCKOUT PER 13/SS.80
 S1-04 POUR STRIP, 15'-0" WIDE OR AS REQ'D W/ REINFORCING PER KEYNOTE S1-01. CONTINUE SAWCUTS INTO POUR STRIP.
 S1-05 FUTURE MEZZANINE ABOVE BY OTHERS. BASIS OF DESIGN ASSUMES: LIGHT GAUGE METAL WALL STUDS AND FLOOR JOISTS W/ INTERMEDIATE BEARING WALLS (2'-0" MAXIMUM JOIST SPAN) - WOOD STRUCTURAL PANELS TONGUE AND GROOVE FLOOR SHEATHING - LIGHTWEIGHT GYPCRETE TOPPING 1 1/2" MAX THICKNESS AT ELEVATED DECK - 5/8" MAX THICKNESS GYPSUM BOARD AT WALLS - CARPET OR SIMILAR WEIGHT FINISH AT ELEVATED DECK - SUSPENDED ACoustICAL CEILING TILE GELINGS - ELEVATED DECK CONNECTS TO TILT UP PANELS (WHERE APPLICABLE)
 S1-06 GRADE BEAMS W/ REINF PER 19/SS.80 CONNECT TO FTGS PER 9/SS.80. PROVIDE CONSTANT SLOPE TO LOW DOCK FTGS PER 11/SS.80.
 S1-08 ADDL VERT REINF IN FTG PER 19/SS.80 AT PANEL JOINT. EXTEND VERT REINF FOR 4'-2" FROM PANEL JOINT EA SIDE. TOP REINF TO MATCH BOTTL REINF. EXTEND FOR 3'-0" FROM PANEL JOINT EA SIDE.
 S1-10 FUTURE DRAG MEMBER REQ'D TO TRANSFER FUTURE MEZZANINE RESMIC LOAD INTO ADJACENT SOLID PANEL.

STRUCT - FOOTING (F) SCHEDULE
 NOTE: LENGTH PER PLAN IF BLANK IN SCHEDULE

MARK	DIMENSIONS		REINFORCEMENT		REMARKS
	WIDTH	LENGTH	DEPTH	LONGITUDINAL	
F1	7'-0"	7'-0"	1'-6"	#5 @ 9" OC	#5 @ 9" OC
F2	2'-6"		1'-0"	#5 @ 12" OC	#5 @ 12" OC
F3	4'-6"		1'-0"	#5 @ 12" OC	#5 @ 12" OC
F4	6'-0"		1'-0"	#5 @ 9" OC	#5 @ 9" OC
F5	4'-0"		1'-0"	#5 @ 12" OC	#5 @ 12" OC
F6	4'-6"		2'-0"	#5 @ 9" OC	#5 @ 9" OC
F7	6'-0"		3'-0"	#6 @ 9" OC	#6 @ 9" OC



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REVISION SCHEDULE

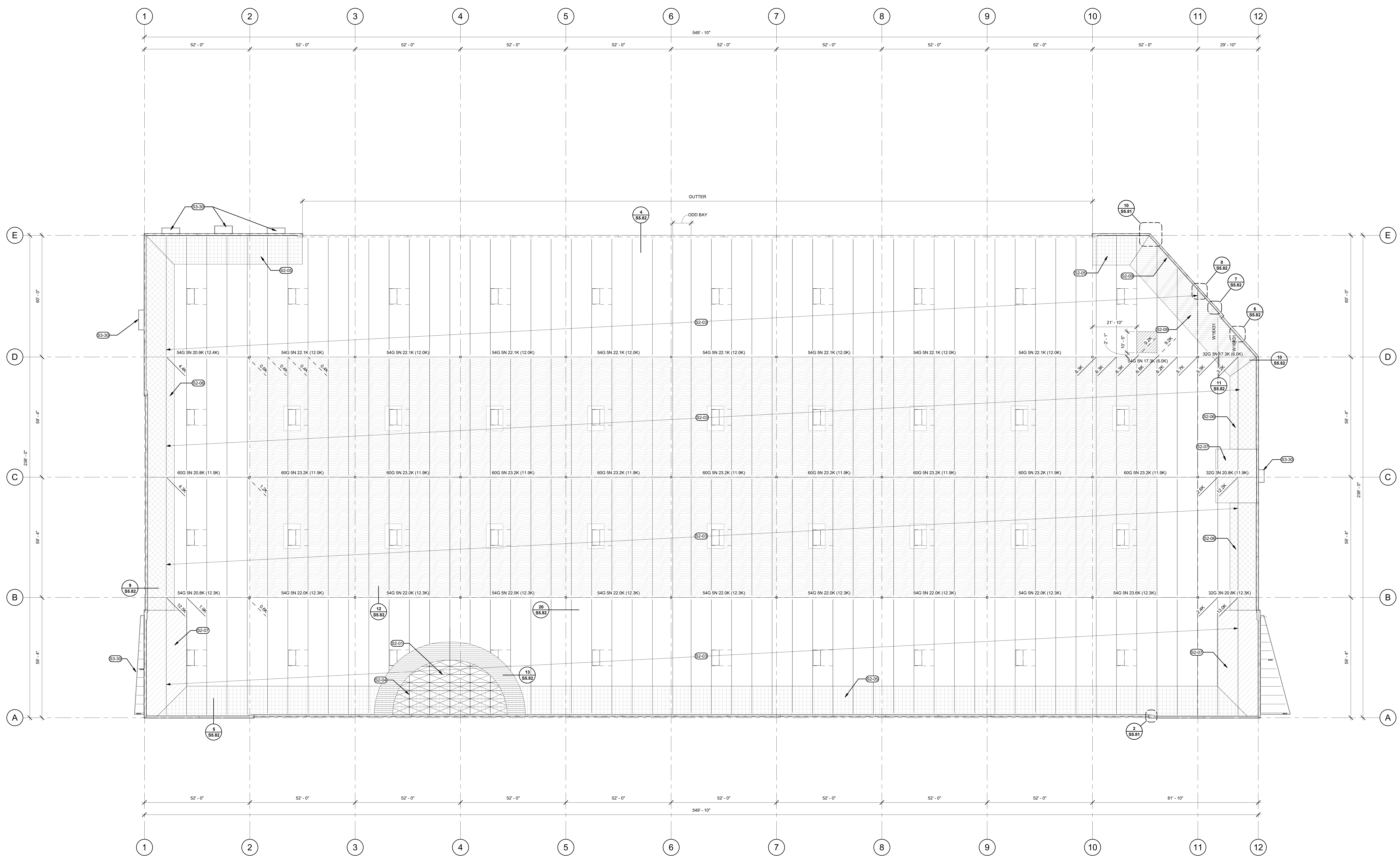
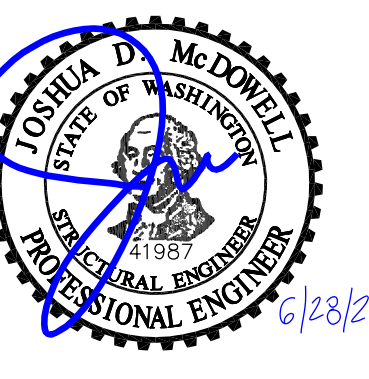
Date	Issued As	Issue Date

SHEET TITLE:
FOUNDATION PLAN

SHEET

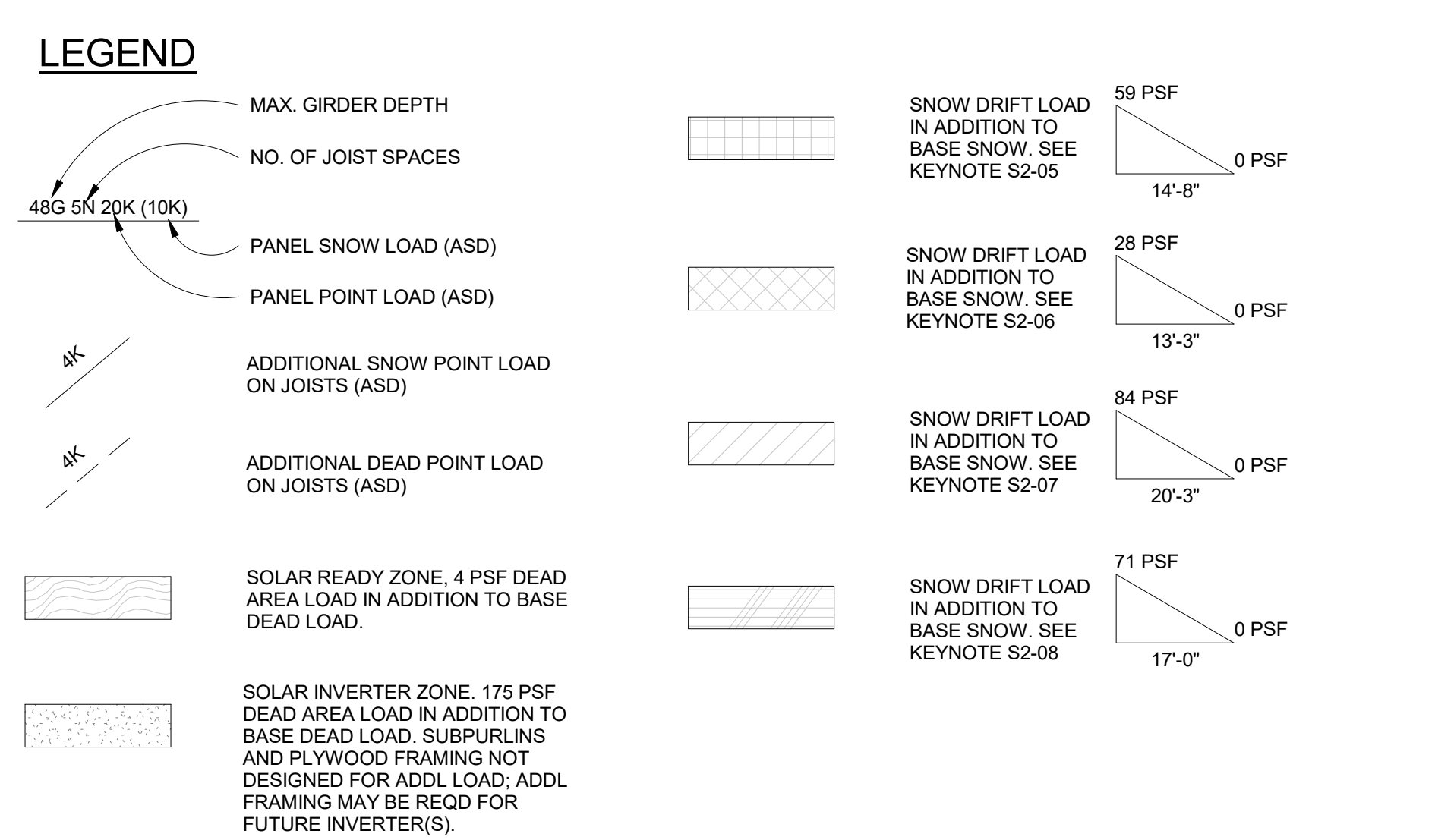
S1.11

JOB NO. 2220290.00



1 ROOF FRAMING PLAN
 8/1/13 1/16" = 1'-0"

- SHEET NOTES**
- A. FOR GENERAL STRUCTURAL NOTES SEE SHEET 50.00.
 - B. FOR TYPICAL STRUCTURAL DETAILS SEE SHEET 50.10.
 - C. SEE ARCHITECTURAL DRAWINGS FOR CONTROL ELEVATIONS.
 - D. COORDINATE PERIMETER CONDITIONS WITH ARCHITECTURAL.
 - E. SEE DETAILS FOR ADDITIONAL AXIAL LOADS REQUIRED FOR ORDERS, JOISTS, AND JOIST SEATS.
 - F. CONTRACTOR TO COORDINATE AND CONFIRM MECH UNIT SIZE, LOCATION, & WEIGHTS. COORDINATE AND SUPPLY ALL REQUIRED LOADS TO THE JOIST SUPPLIER.
 - G. CONTRACTOR TO COORDINATE W/ JOIST SUPPLIER ALL PIPING 4"Ø AND LARGER.
 - H. SEE SHEET TYPICAL DETAILS FOR ADDITIONAL FRAMING REQUIRED FOR MECH EQUIPMENT AND OPENINGS. SEE ARCH FOR LOCATIONS OF SKYLIGHTS, SMOKE VENTS, ETC.
 - I. DESIGN ORDERS FOR:
 NET WIND UPLIFT (ASD):
 INTERIOR: 0.3 PSF WITHIN 3'-0" OF ROOF EDGE
 EXTERIOR: 3.5 PSF
 - J. CONTRACTOR TO COORDINATE PHOTO VOLTAC PANEL LAYOUT, LOADING AND SUPPORT DETAILS W/ JOIST SUPPLIER.
 - K. MEMBER DEPTHS ARE MAXIMUM AND MAY BE REDUCED FOR EFFICIENCY.
 - L. FOR NAILING AND STRAPPING INFORMATION, SEE 1555.81.
 - M. ROOF FRAMING LOADING SHOWN ON PLAN IS INTENDED TO SATISFY THE BUILDING CODE SOLAR READINESS REQUIREMENTS. EXISTING ROOF FRAMING WILL NEED TO BE VERIFIED AGAINST FUTURE SOLAR SYSTEM CONFIGURATION AND CONCENTRATED LOADS. FUTURE PV SYSTEM SHALL NOT CONTRIBUTE TO ADDITIONAL SNOW DRIFT.



- KEYNOTES**
- S2-01 15/2" APA STRUCT-1 OSB SHTG (3216 SPAN RATING SIZED FOR SPACING) W/ STRONG AXIS PARALLEL TO SUBPURLINS
 - S2-03 30" MAX DEPTH LH JOISTS 350/200 (ASD) @ 10'-0" OC DESIGN FOR THE FOLLOWING ADDL LOADS (ASD):
 FLOATING PANEL POINT LOAD (DEAD) 500 LB
 DRIFTED SNOW PER PLAN
 NET WIND UPLIFT
 WITHIN 45° OF ROOF EDGE 10.2 PSF
 INTERIOR 1.0 PSF
 AXIAL LOADS FOR TOP CHORD AND SEAT DESIGN PER DETAIL
 SOLAR READY ZONE PER PLAN
 - S2-04 2X6 DF-L #2 SUBPURLINS @ 2'-0" OC W/ SIMPSON HF26N HANGERS, TYP UNID. SUBPURLIN SIZE AND SPACING PER THE FOLLOWING KEYNOTES OR 1655.81 SHALL GOVERN WHERE APPLICABLE.
 - S2-05 DRIFT PER LEGEND. PROVIDE 2X6 DF-L #2 SUBPURLINS @ 1'-0" OC W/ SIMPSON HF26N HANGERS UP TO 10' FROM PARAPET.
 - S2-06 DRIFT PER LEGEND. PROVIDE 3X6 DF-L #2 SUBPURLINS @ 2'-0" OC W/ SIMPSON HF26N HANGERS UP TO 10' FROM PARAPET.
 - S2-07 DRIFT PER LEGEND. PROVIDE 3X6 DF-L #2 SUBPURLINS @ 1'-0" OC W/ SIMPSON HF26N HANGERS UP TO 10' FROM PARAPET. PROVIDE 2X6 DF-L #2 SUBPURLINS @ 1'-0" OC W/ SIMPSON HF26N HANGERS FROM 10' UP TO 20' FROM PARAPET.
 - S2-08 DRIFT PER LEGEND. PROVIDE 2X6 DF-L #2 SUBPURLINS @ 1'-0" OC W/ SIMPSON HF26N HANGERS UP TO 20' FROM PARAPET.
 - S2-09 STRAPPING/HOLD DOWNS ALIGNED WITH SUBPURLINS. SEE DETAIL 1755.92.
 - S3-30 EXTERIOR ACCENT/CANOPY FRAMING. SEE ARCH.

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SHEET TITLE:
ROOF FRAMING PLAN
 SHEET

S1.13

TYPICAL SHEET NOTES

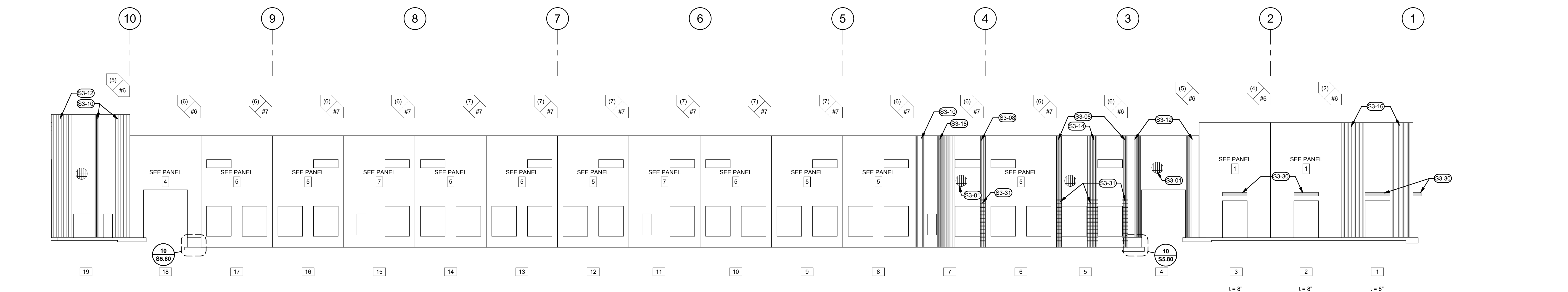
- A. FOR GENERAL STRUCTURAL NOTES SEE S0.00 SERIES SHEETS
- B. FOR TYPICAL STRUCTURAL DETAILS SEE S0.10 SERIES SHEETS
- C. SEE ARCHITECTURAL DRAWINGS FOR CONTROL ELEVATIONS

LEGEND

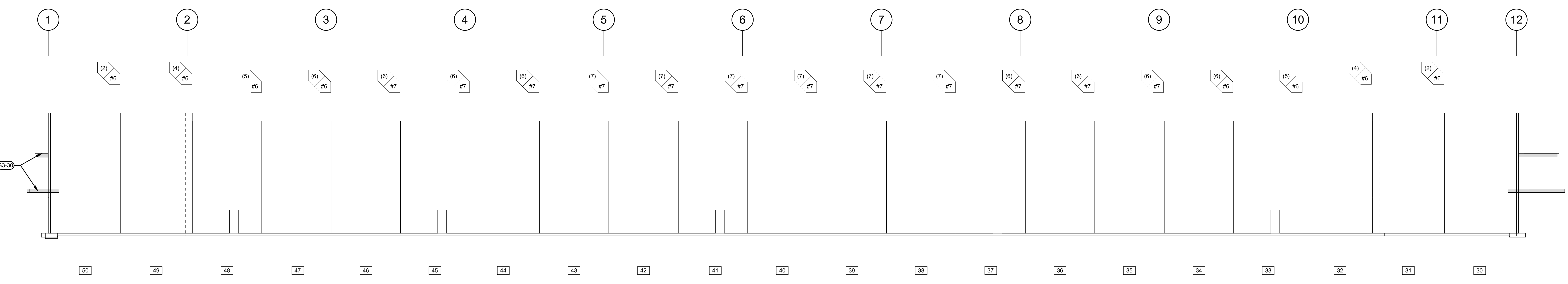
- PANEL NUMBER
- # CHORD BARS, REF. 15S5.81 AND 2S5.81 WHERE APPLICABLE
- SIZE OF REINF.
- HOLD DOWN PER 19S5.80 W/ (4) #5 BARS
- HOLD DOWN PER 19S5.80 W/ (2) #6 BARS
- t = PANEL THICKNESS

KEYNOTES

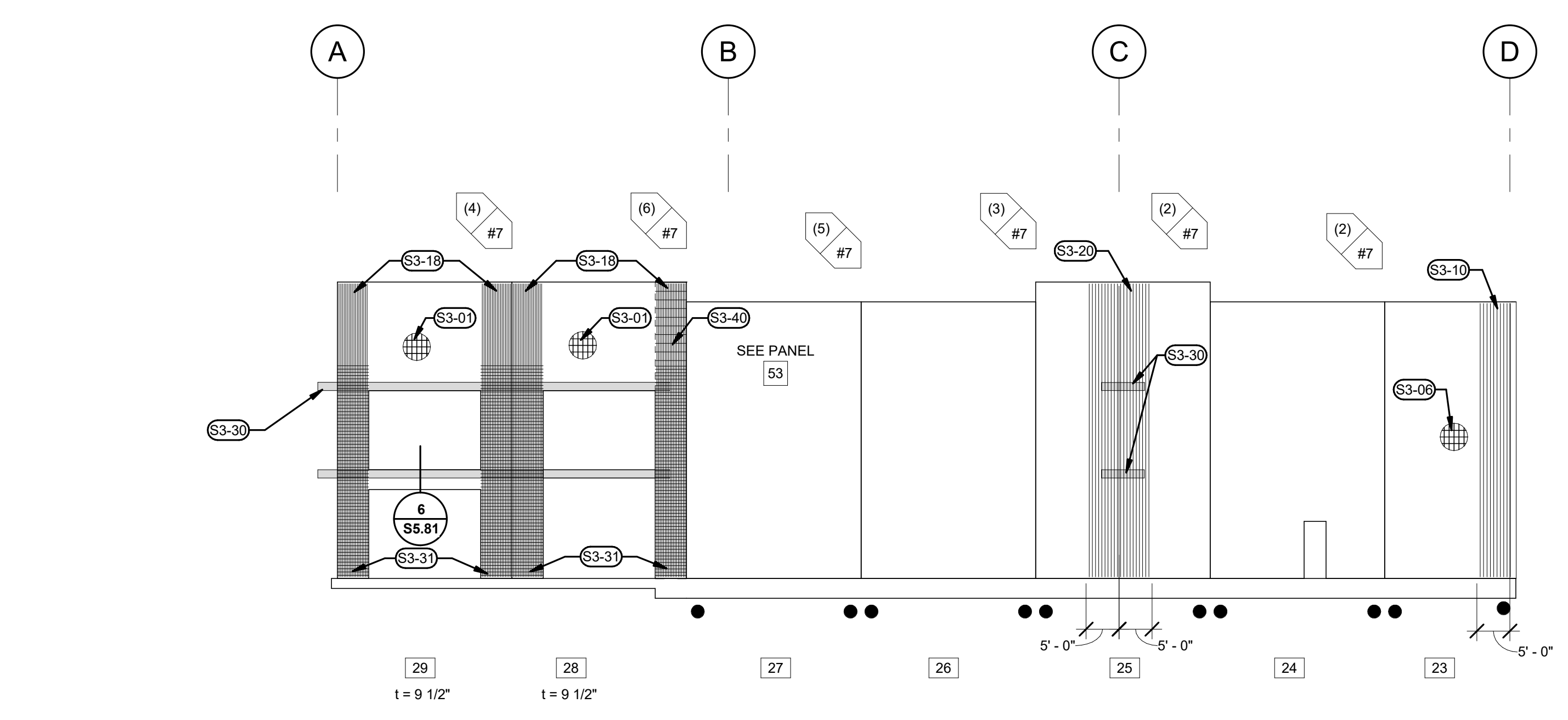
- S3-01 #4 @ 9" OC CL EW
- S3-02 #5 VERT BARS @ 6" OC EF & #4 HORIZ BARS @ 12" OC CL. PROVIDE #4 HORIZ BARS @ 12" OC EF AT THICKENED PORTION OF PANEL
- S3-03 BLADE WALL FEATURE: #5 VERT BARS @ 6" OC CL & #4 HORIZ BARS @ 12" OC CL
- S3-04 STEP IN PANEL TO MATCH THICKNESS OF BLADE WALL FEATURE
- S3-05 #4 HORIZ REINF @ 6" OC EF (5) TOTAL MIN EF)
- S3-06 #5 VERT @ 10" OC EF & #4 HORIZ @ 12" OC EF
- S3-08 (8) #5 VERT BARS EF, EQ SPACED IN LEG
- S3-10 (10) #5 VERT BARS EF, EQ SPACED IN LEG
- S3-12 (12) #5 VERT BARS EF, EQ SPACED IN LEG
- S3-14 (14) #5 VERT BARS EF, EQ SPACED IN LEG
- S3-16 (16) #5 VERT BARS EF, EQ SPACED IN LEG
- S3-18 (18) #5 VERT BARS EF, EQ SPACED IN LEG
- S3-20 (20) #5 VERT BARS EF, EQ SPACED IN LEG
- S3-30 EXTERIOR ACCENT/CANOPY FRAMING, SEE ARCH.
- S3-31 #3 HOOPS @ 6" OC SEE 9S5.81 FOR EXTENT
- S3-40 #3 HOOPS AT THICKENED PANEL LEG PER 15S5.81



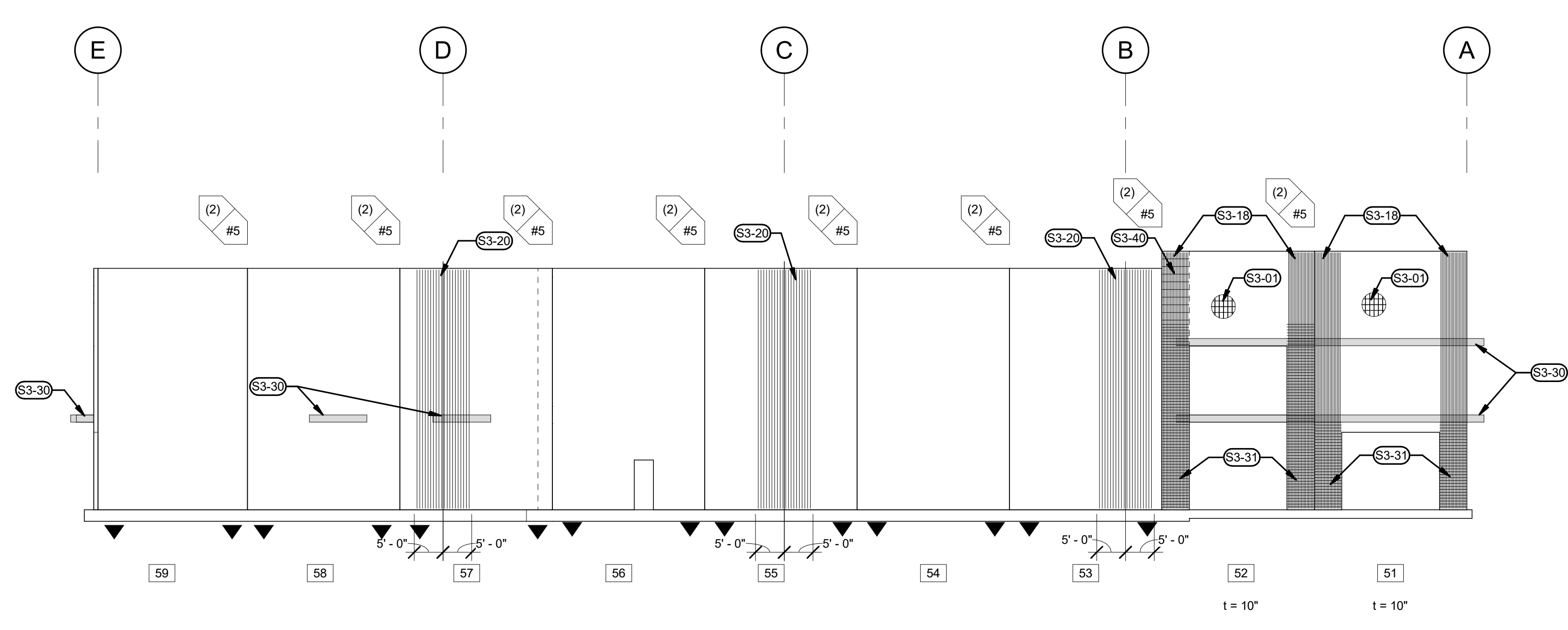
1 NORTH ELEVATION
S2.10 1/16" = 1'-0"



2 SOUTH ELEVATION
S2.10 1/16" = 1'-0"

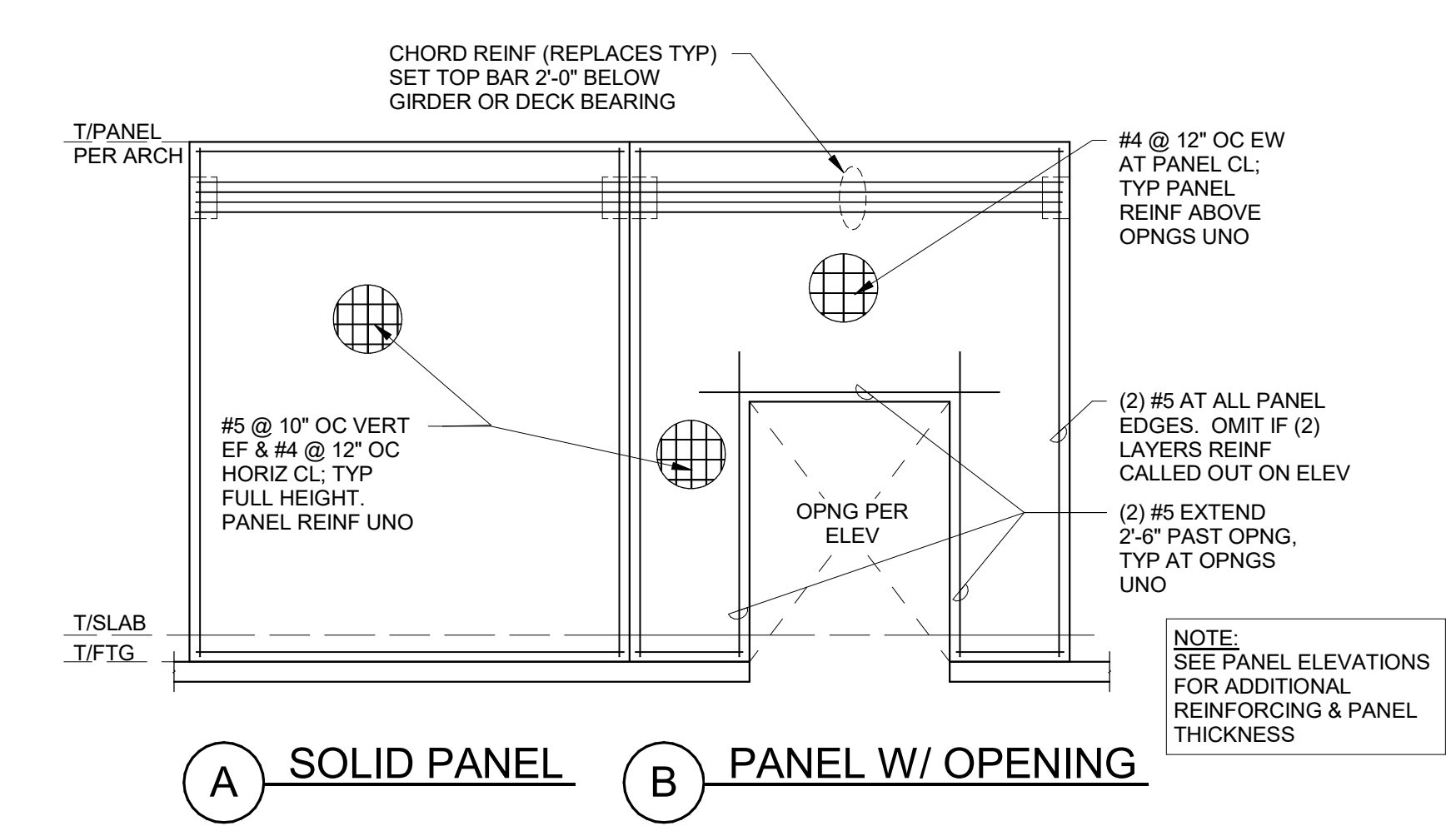


3 EAST ELEVATION
S2.10 1/16" = 1'-0"

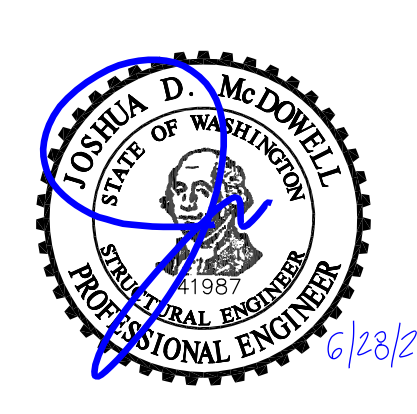


5 WEST ELEVATION
S2.10 1/16" = 1'-0"

4 NORTHEAST ELEVATION
S2.10 1/16" = 1'-0"



7 TYPICAL PANEL REINFORCING
S2.10 1/8" = 1'-0"



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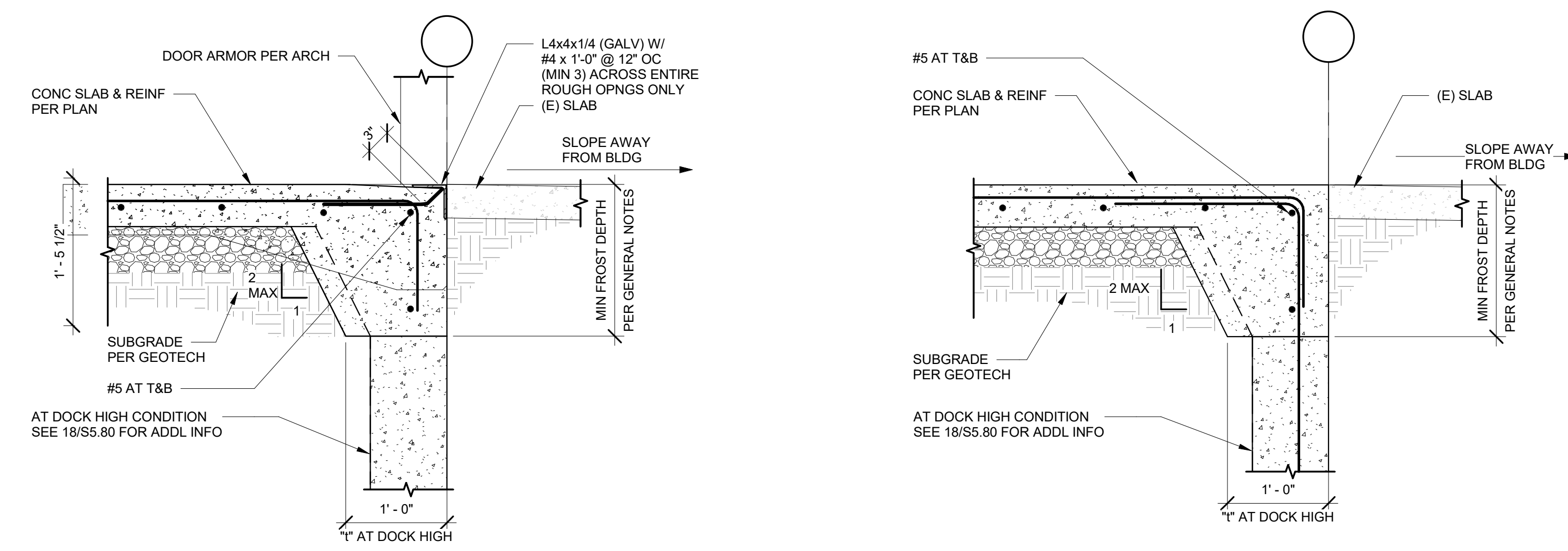
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SHEET TITLE:
**EXTERIOR
WALL
ELEVATIONS**

SHEET

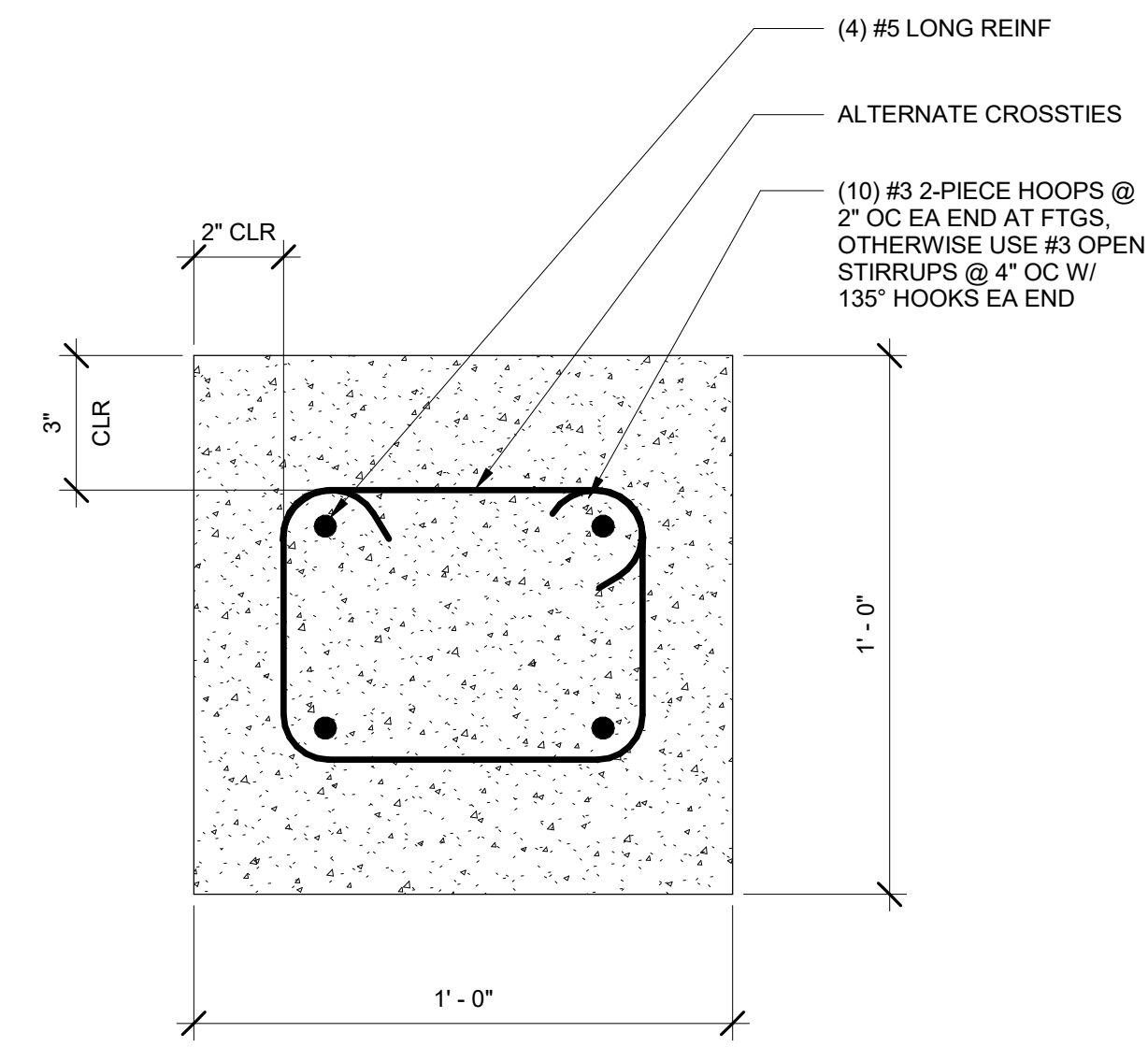
S2.10

JOB NO. 2220290.00

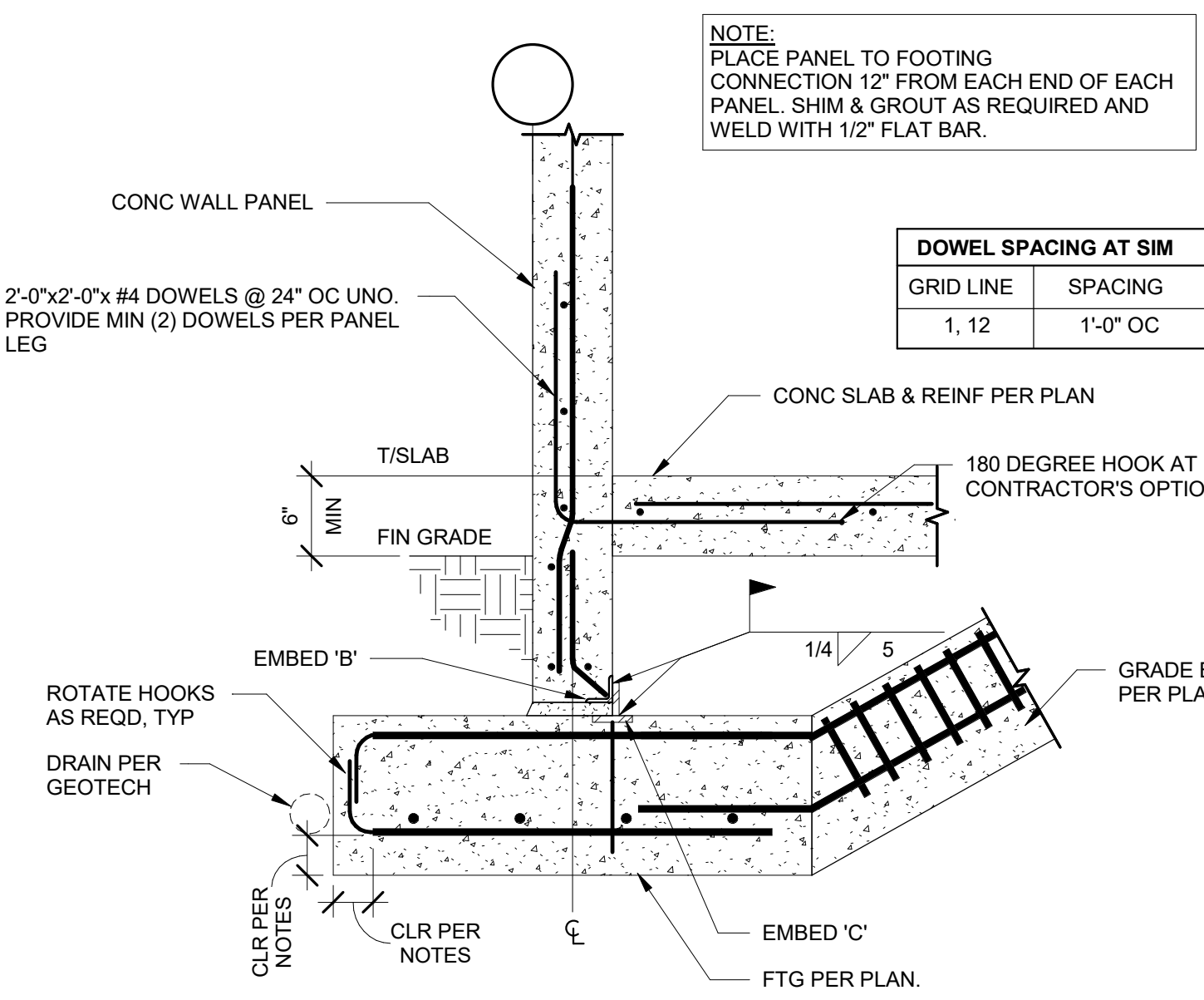


2 TURN DOWN SLAB EDGE AT DRIVE-IN DOOR
S5.80 1" = 1'-0"

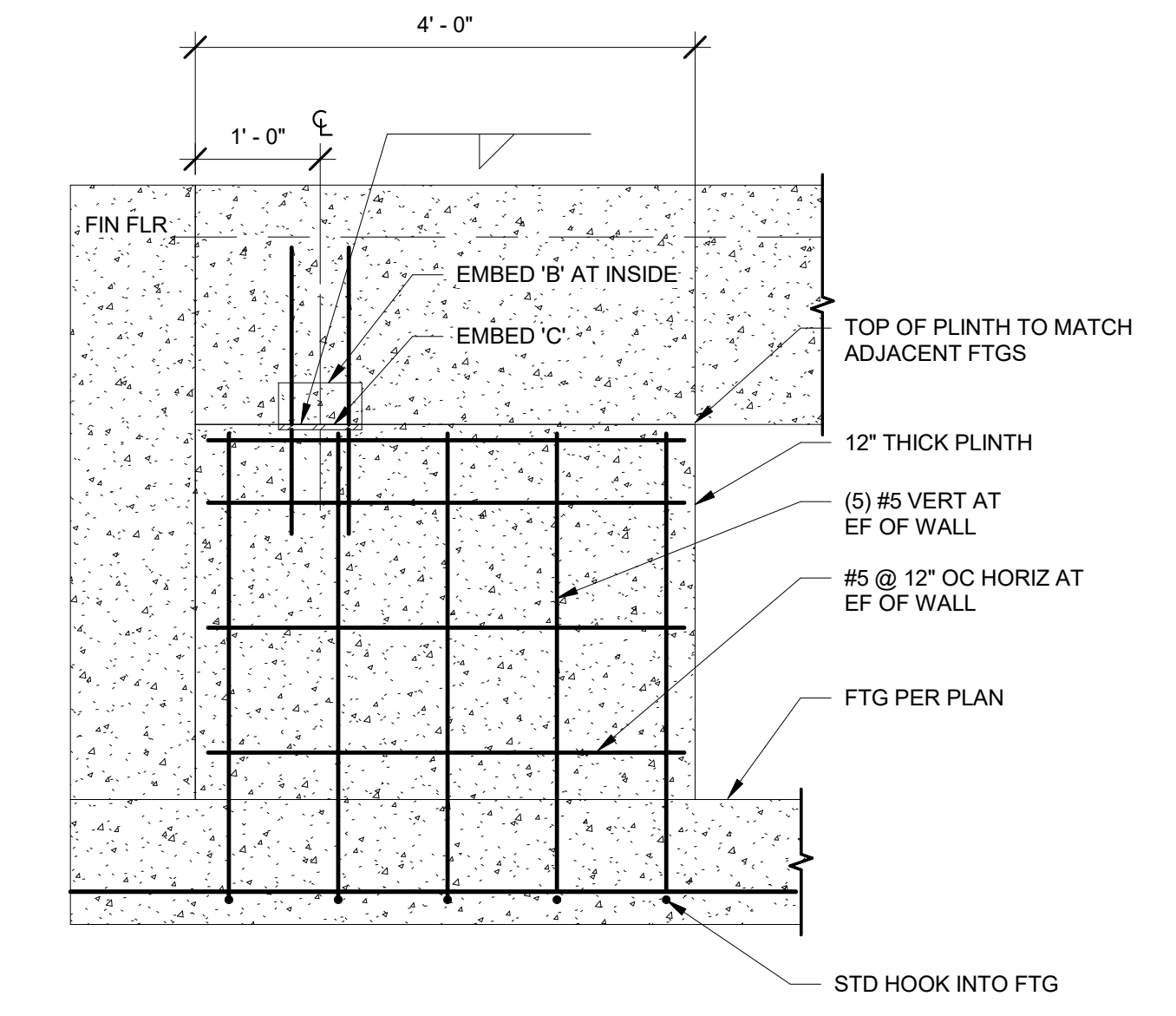
3 TURN DOWN SLAB EDGE
S5.80 1" = 1'-0"



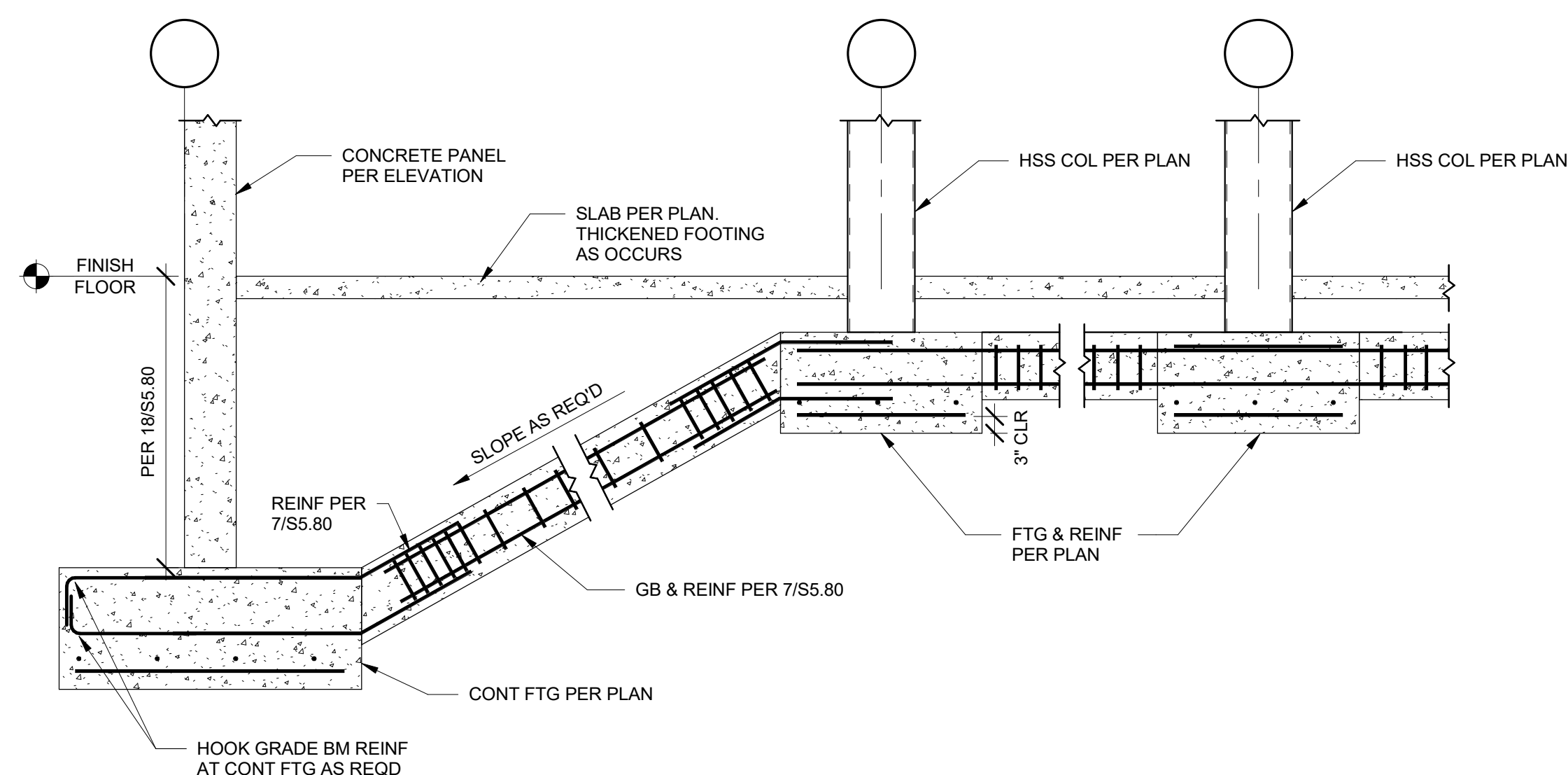
7 FOUNDATION TIES
S5.80 3" = 1'-0"



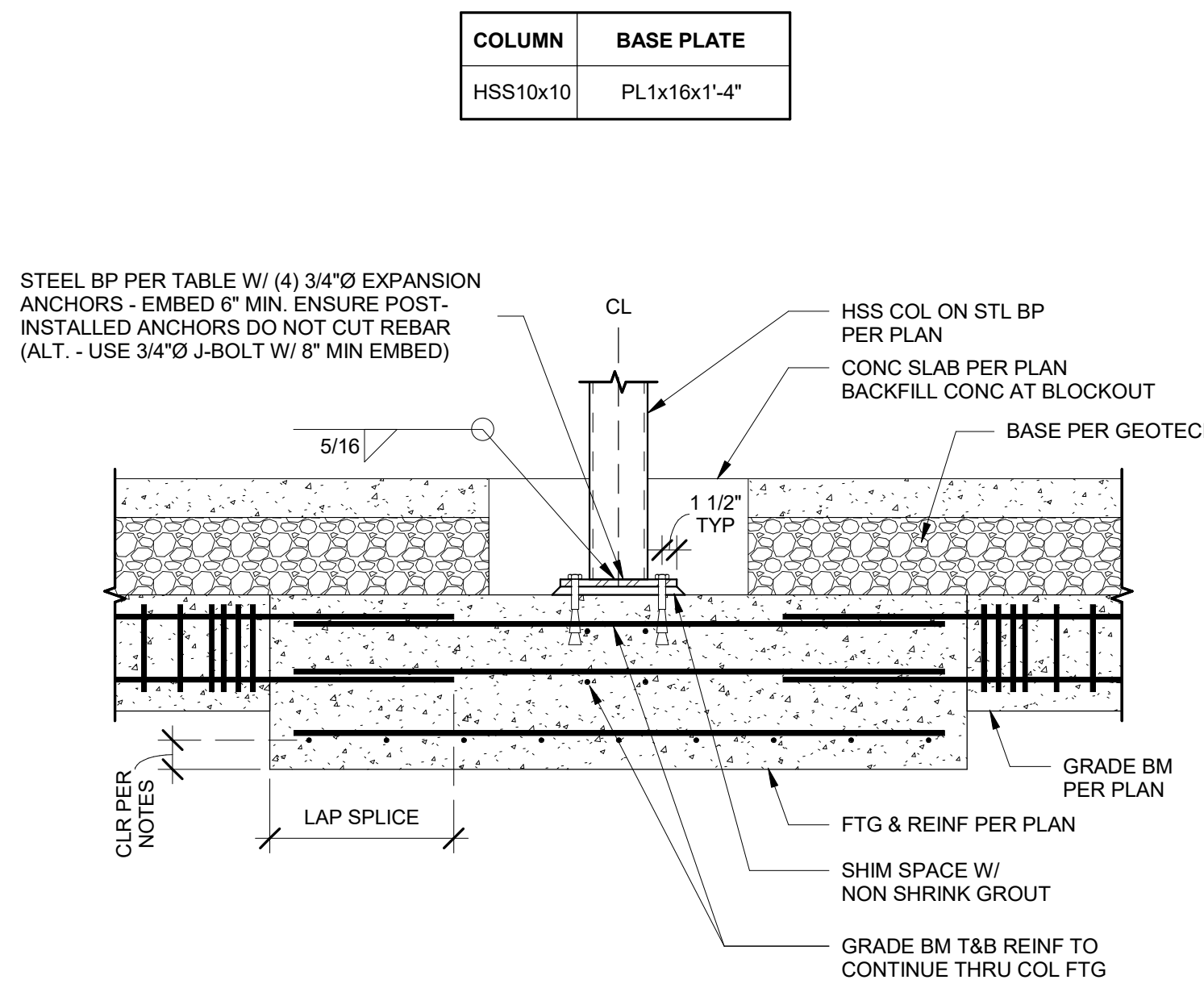
8 PANEL TO SLAB AND FOOTING
S5.80 1" = 1'-0"



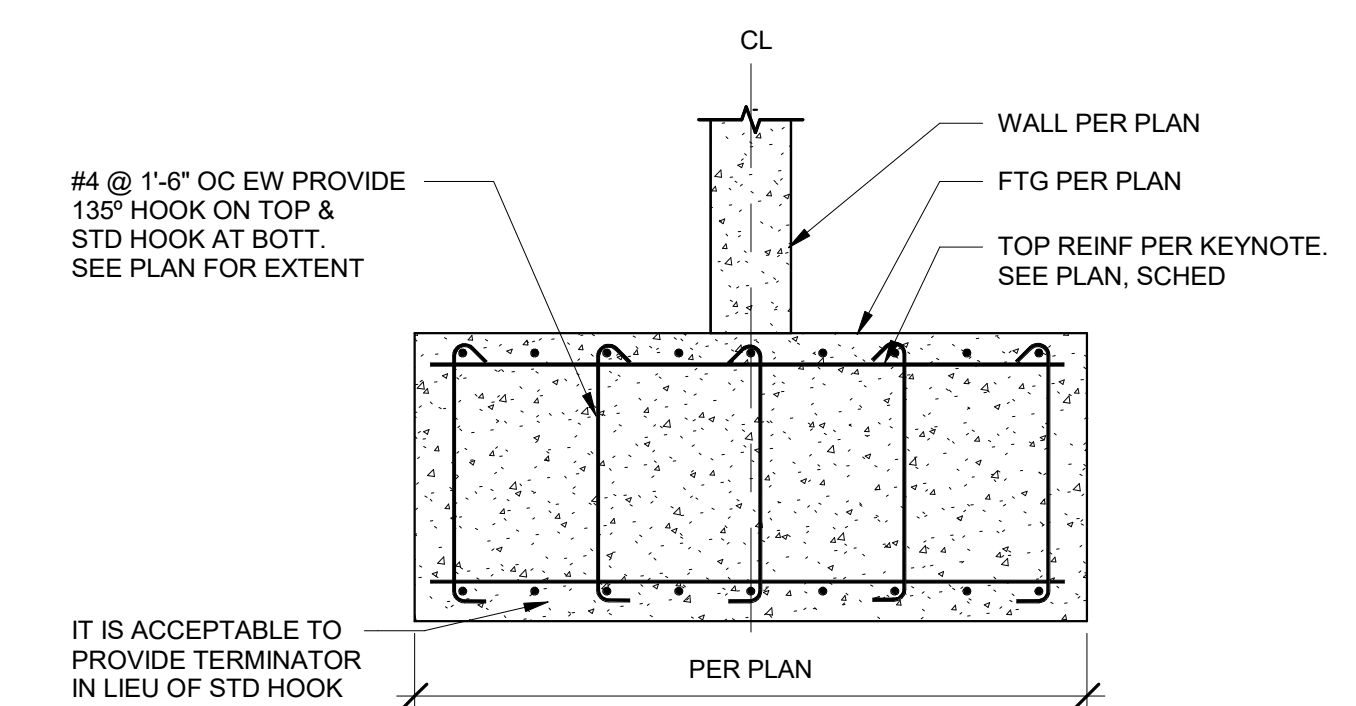
10 PLINTH DETAIL
S5.80 3/4" = 1'-0"



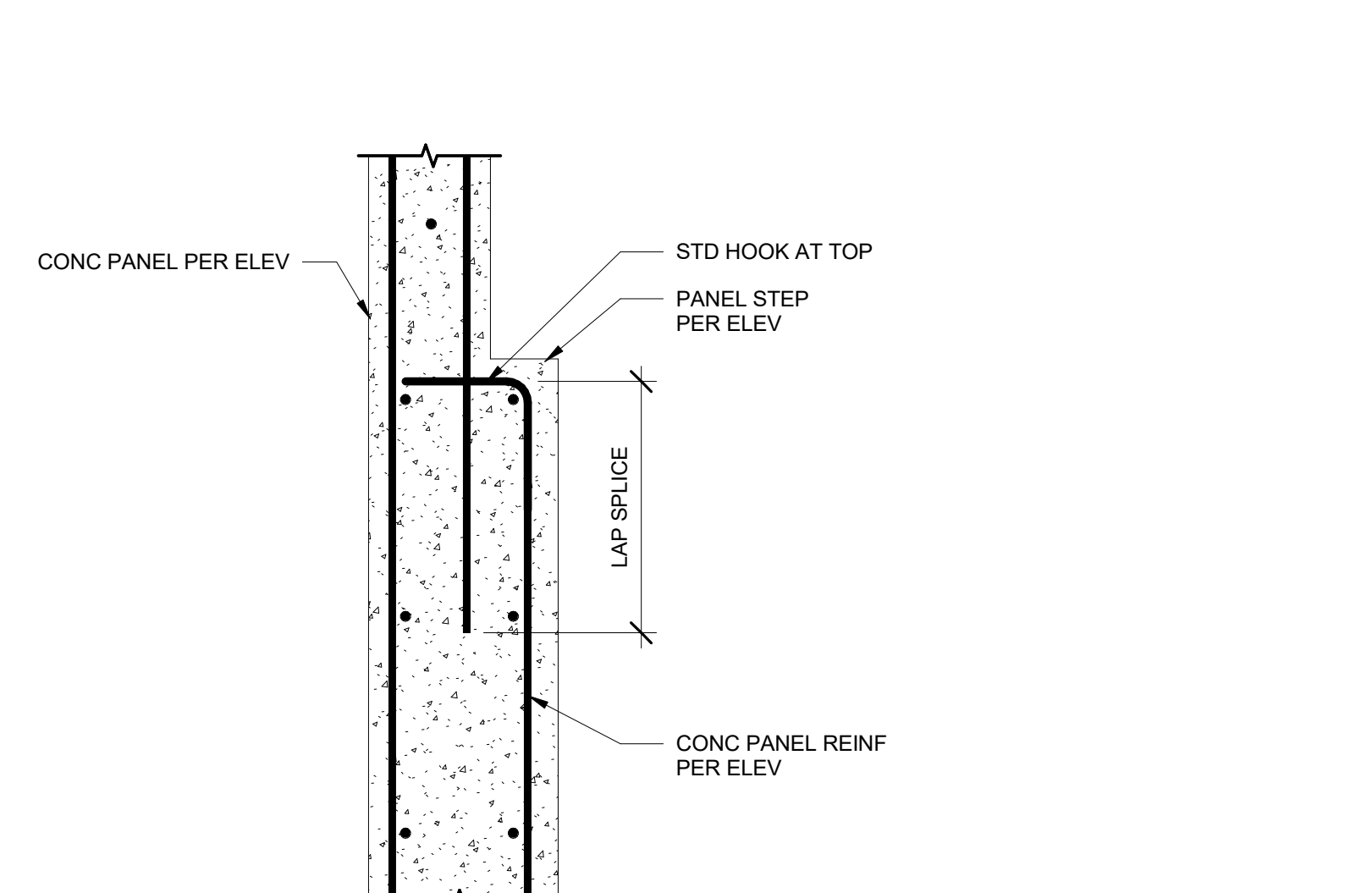
11 GRADE BEAM AT DOCK PANEL FOOTING
S5.80 1/2" = 1'-0"



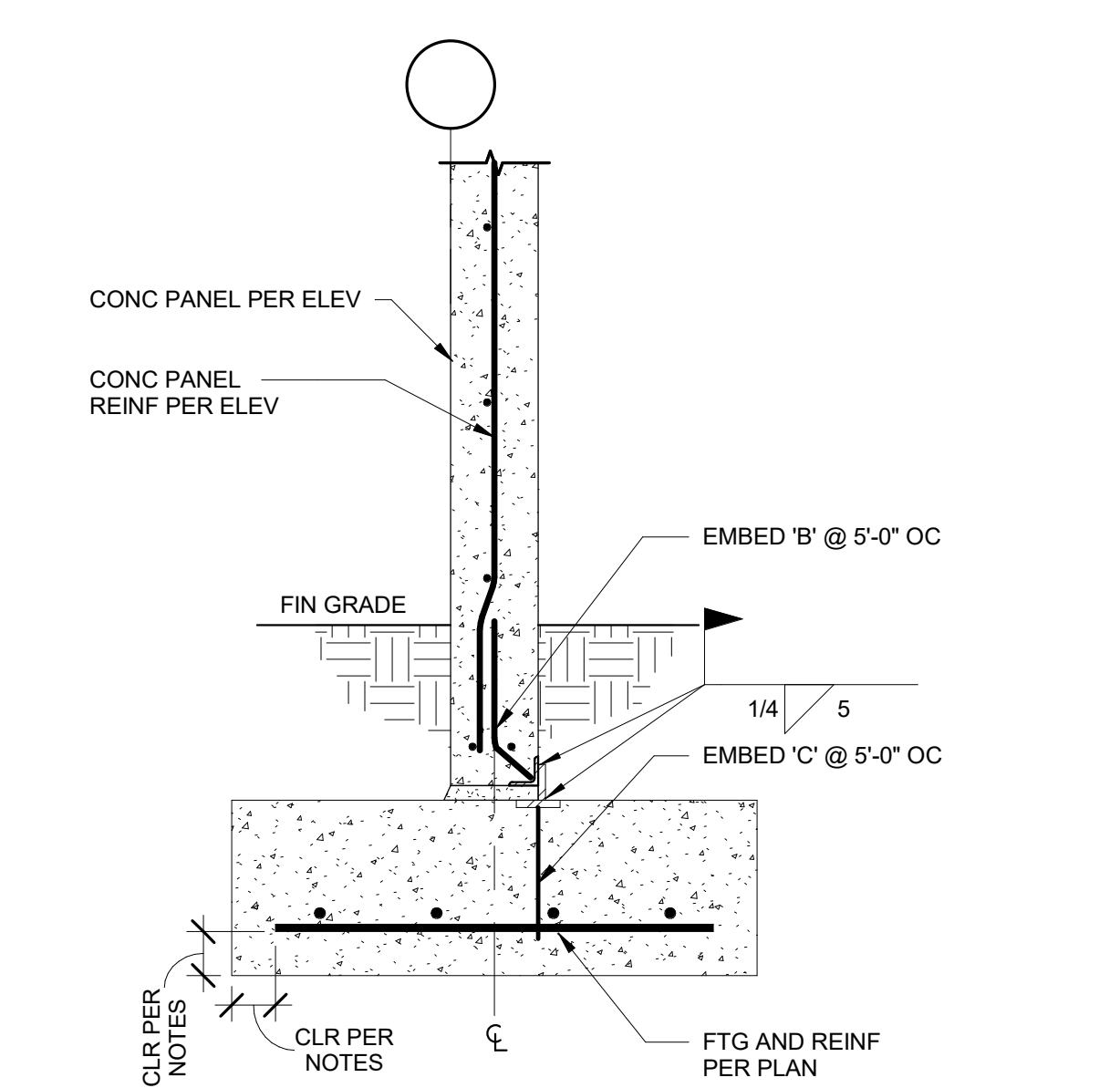
13 COLUMN TO FOOTING
S5.80 3/4" = 1'-0"



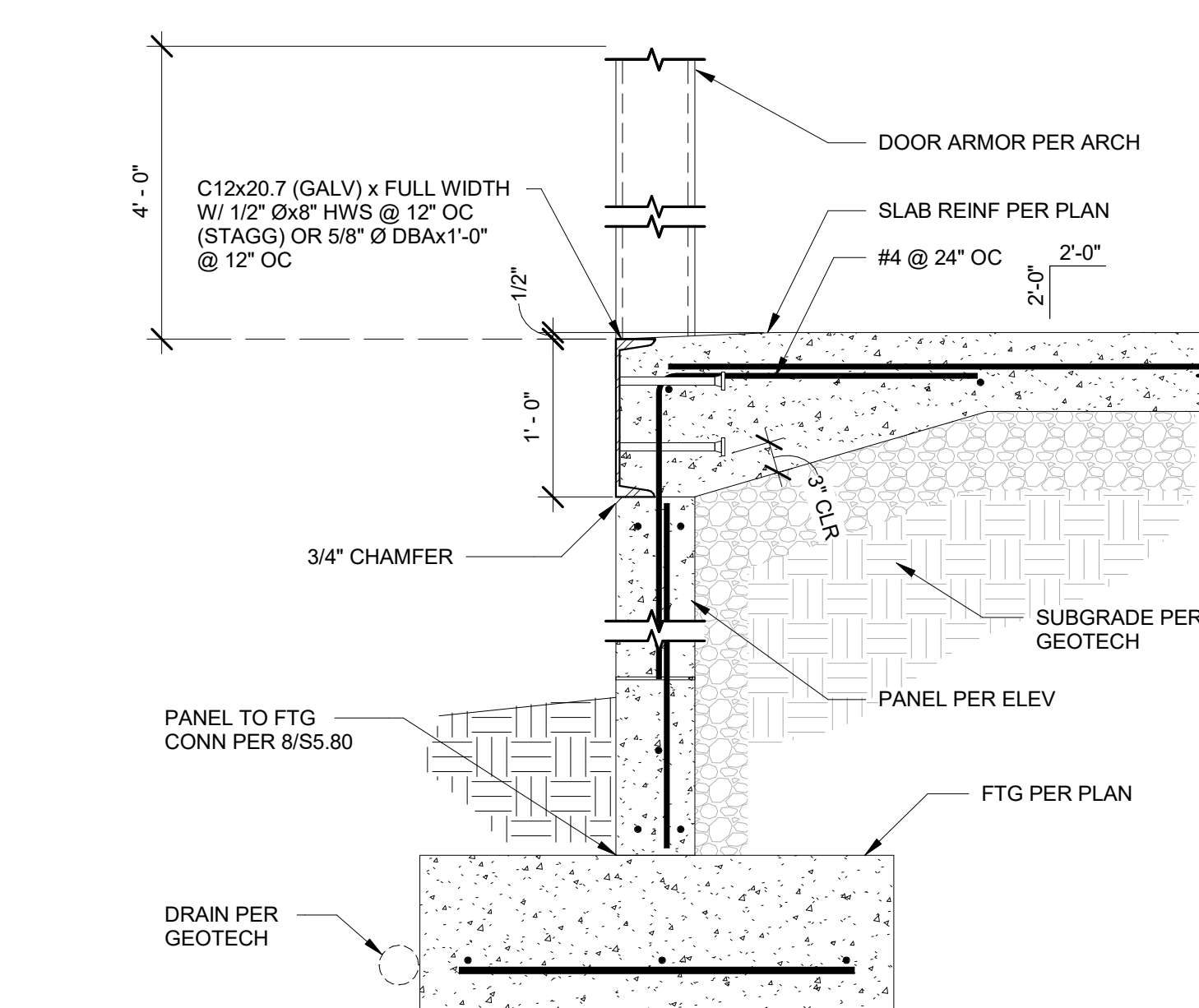
15 VERTICAL REINF AT PANEL JOINT
S5.80 1/2" = 1'-0"



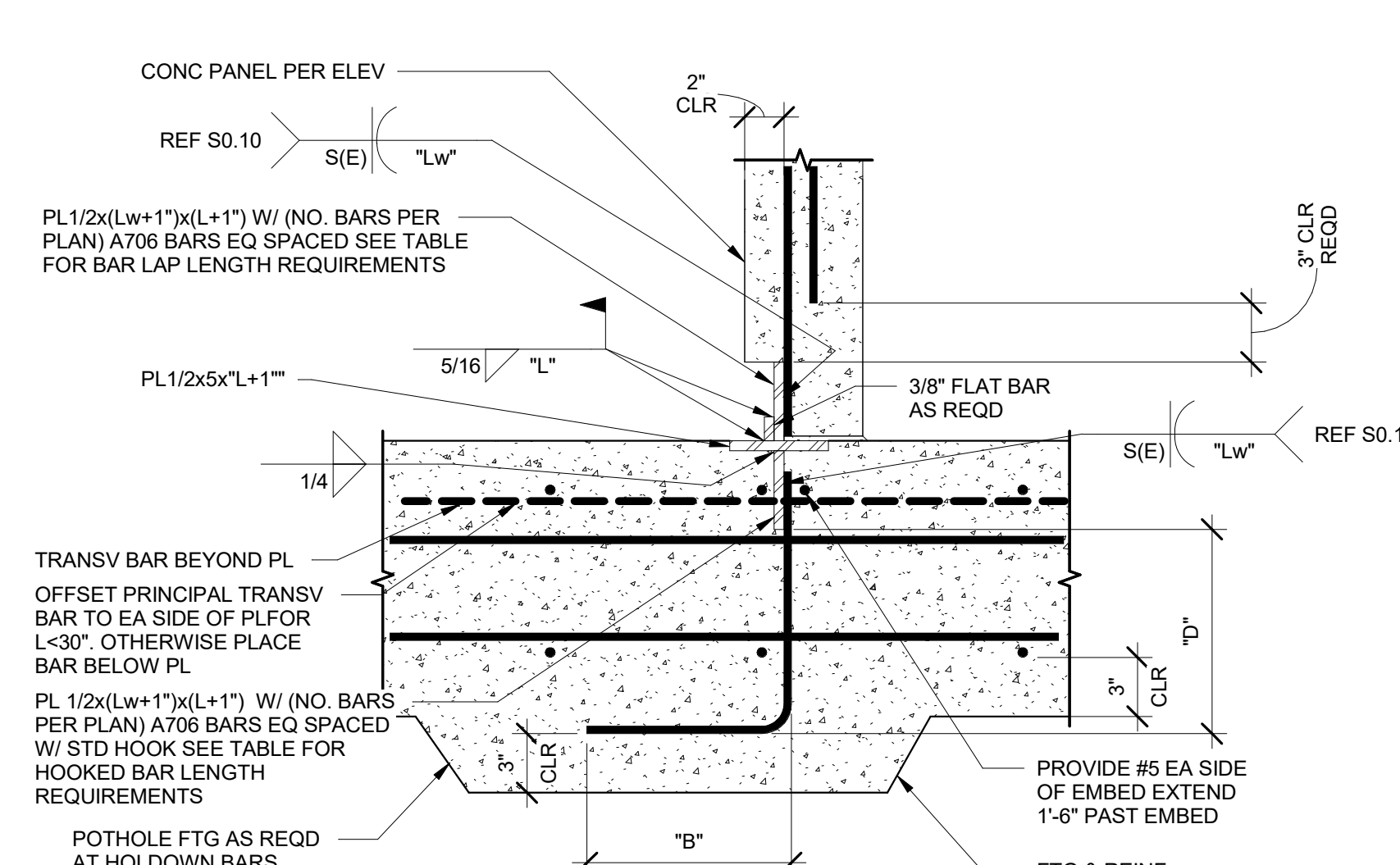
16 BLADE WALL STEP AT SOLID PANEL
S5.80 1" = 1'-0"



17 BLADE WALL FOOTING
S5.80 1" = 1'-0"



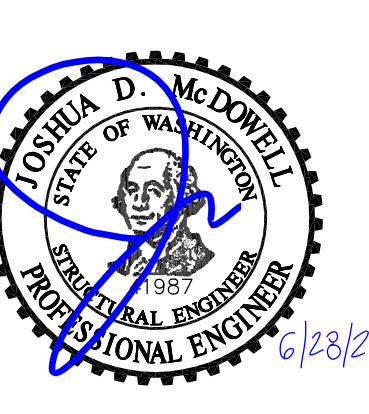
18 DOCK HIGH DOOR
S5.80 1" = 1'-0"



19 SINGLE SIDED HOLDDOWN CONNECTION AT FOOTING (SFRS)
S5.80 1 1/2" = 1'-0"

BAR SIZE	"L"				"L"							
	"Lw"	"LAP"	"D"	"B"	# OF BARS EA PL PER PLAN	(2)	(3)	(4)	(5)	(6)	(7)	(8)
#5	4.5"	48"	15"	10"	8"	12"	18"	24"	30"	36"	42"	48"
#6	5.5"	56"	18"	12"	12"	18"	24"	30"	36"	42"	48"	54"

NOTES:
1. PLACE EDGE OF CONNECTION 1'-0" FROM EACH END OF SHEAR WALLS. TOP
2. SEE PLAN & ELEVATION FOR NUMBER & SIZE OF REINFORCING



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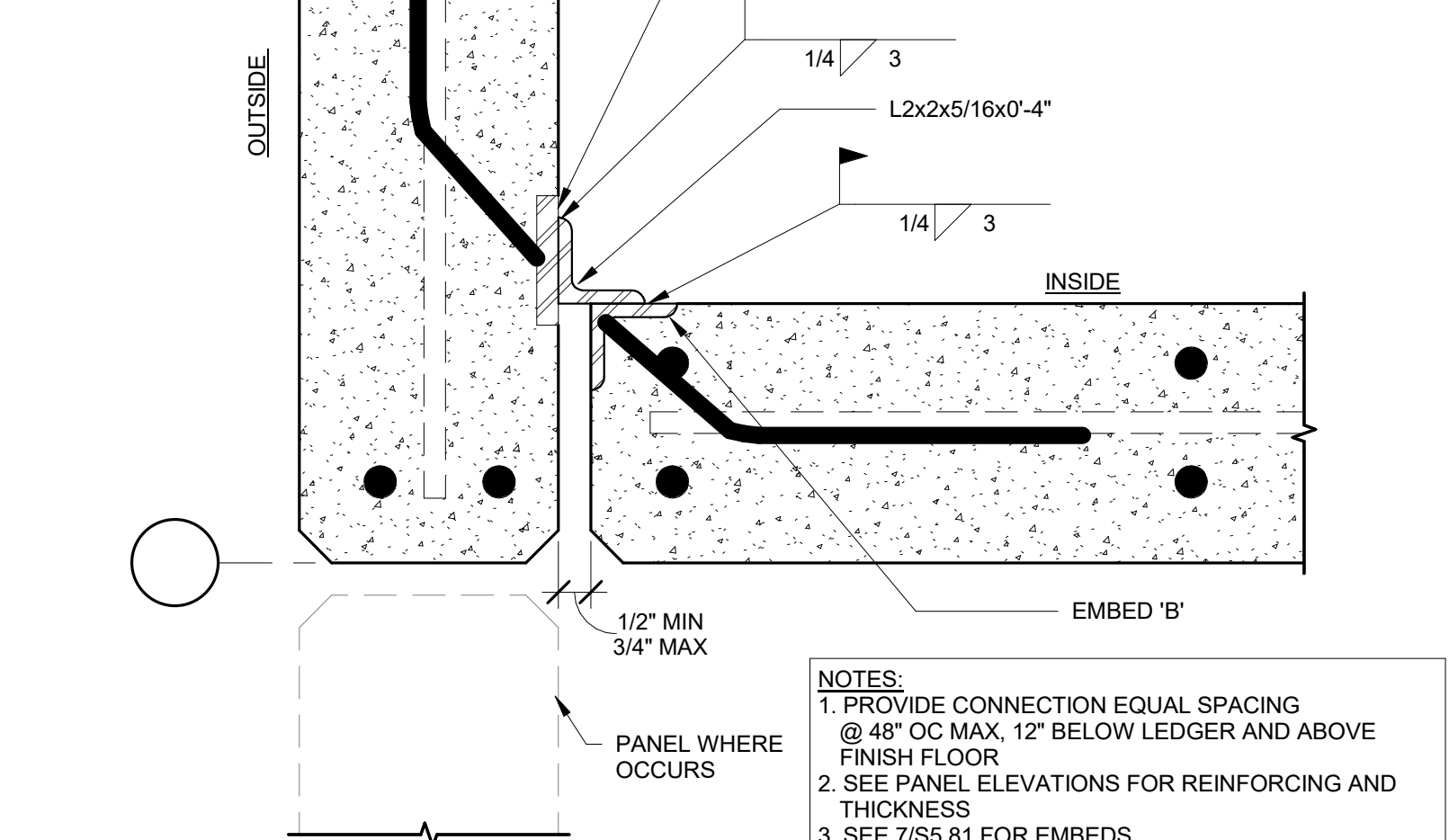
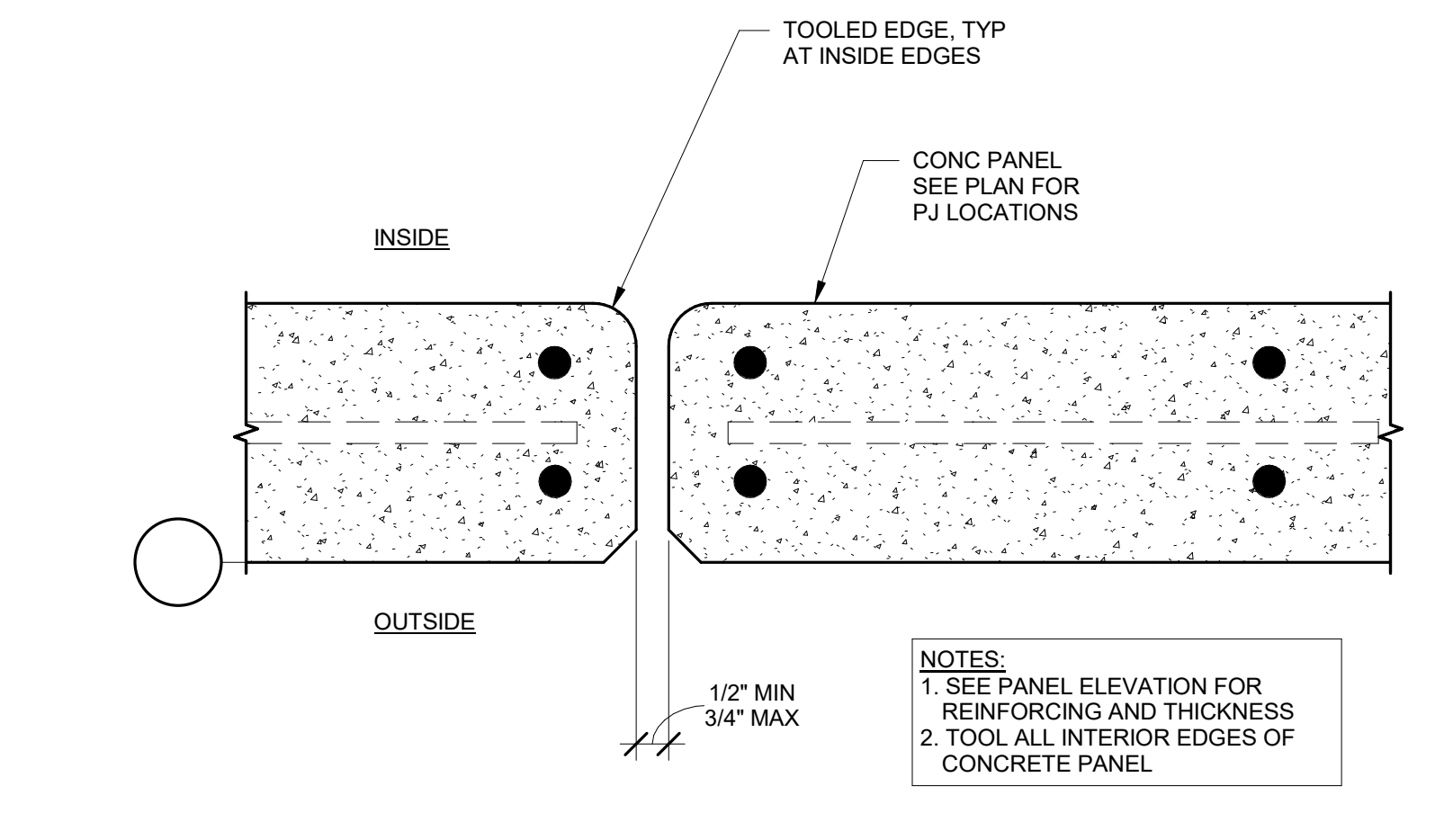
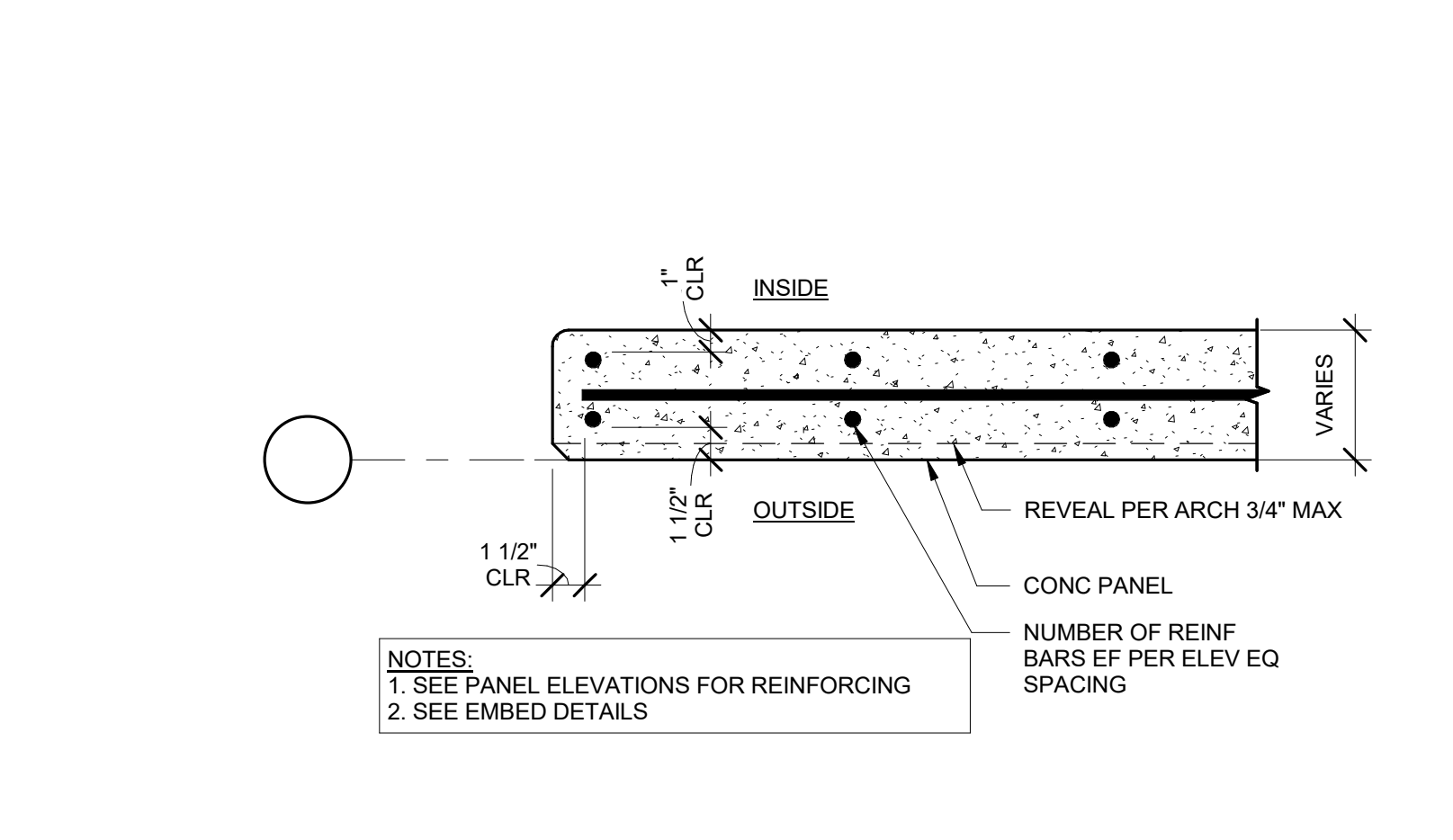
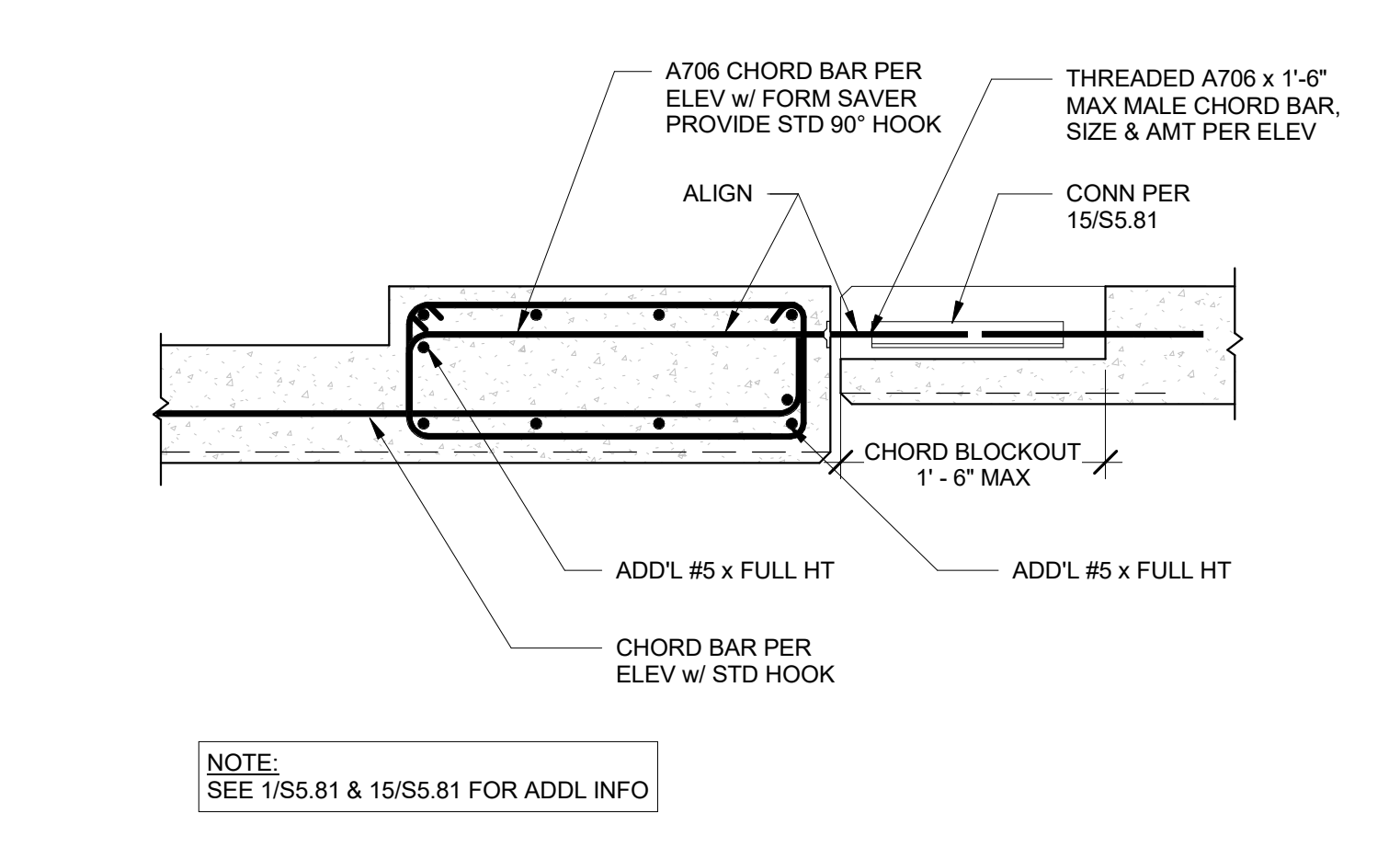
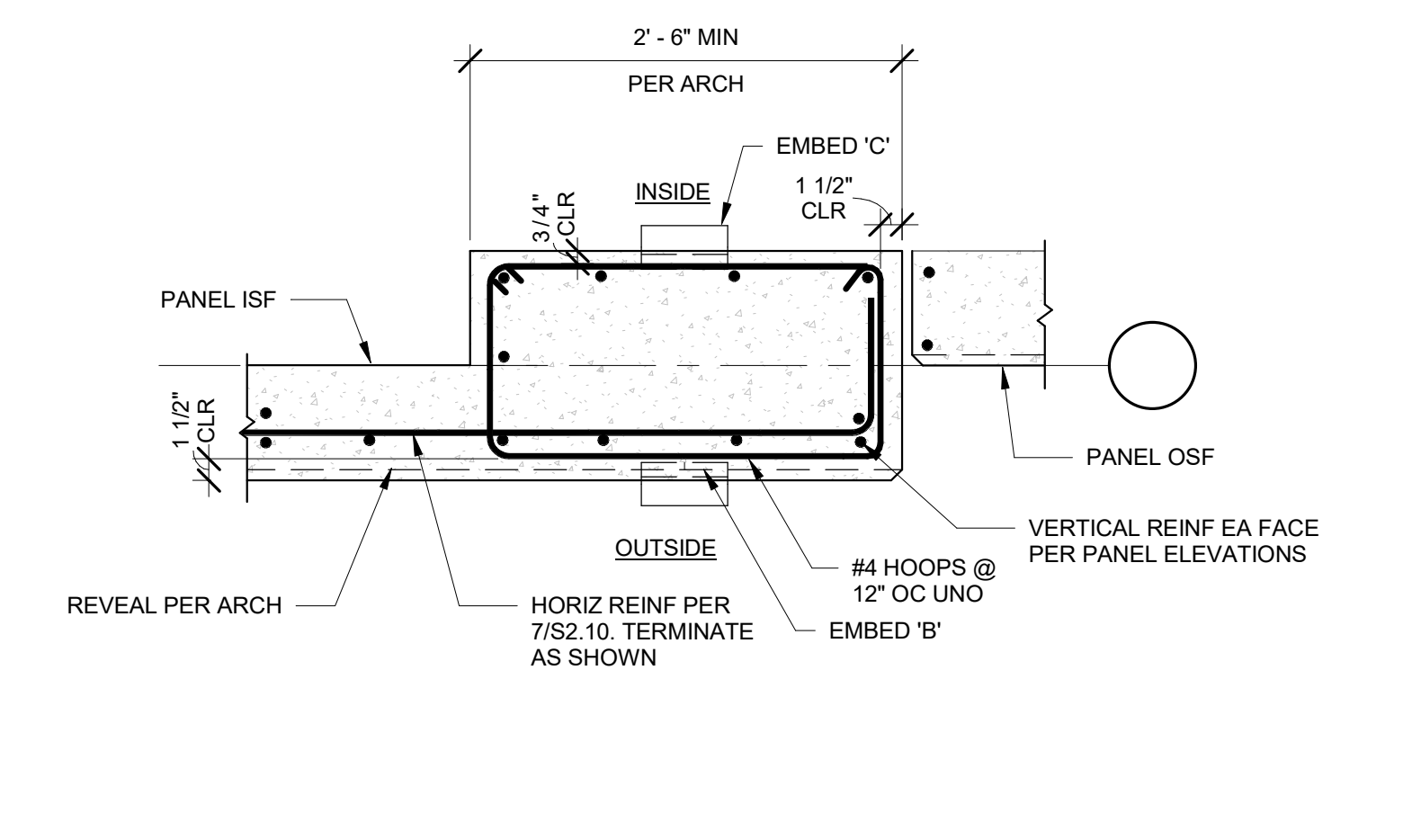
REVISION SCHEDULE		
Date	Issued As	Issue Date

SHEET TITLE:
TILT FOUNDATION DETAILS

SHEET

S5.80

JOB NO. **2220290.00**



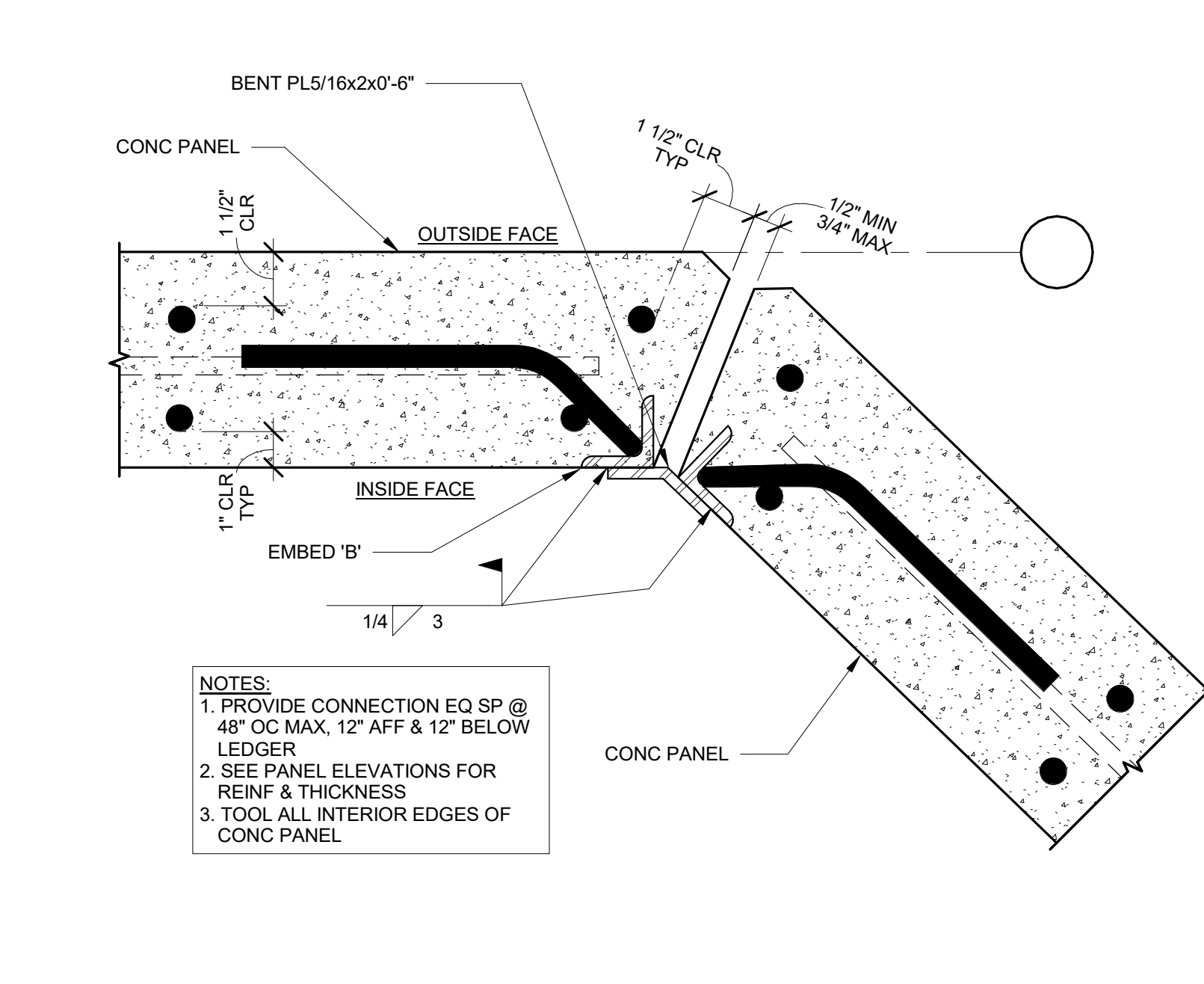
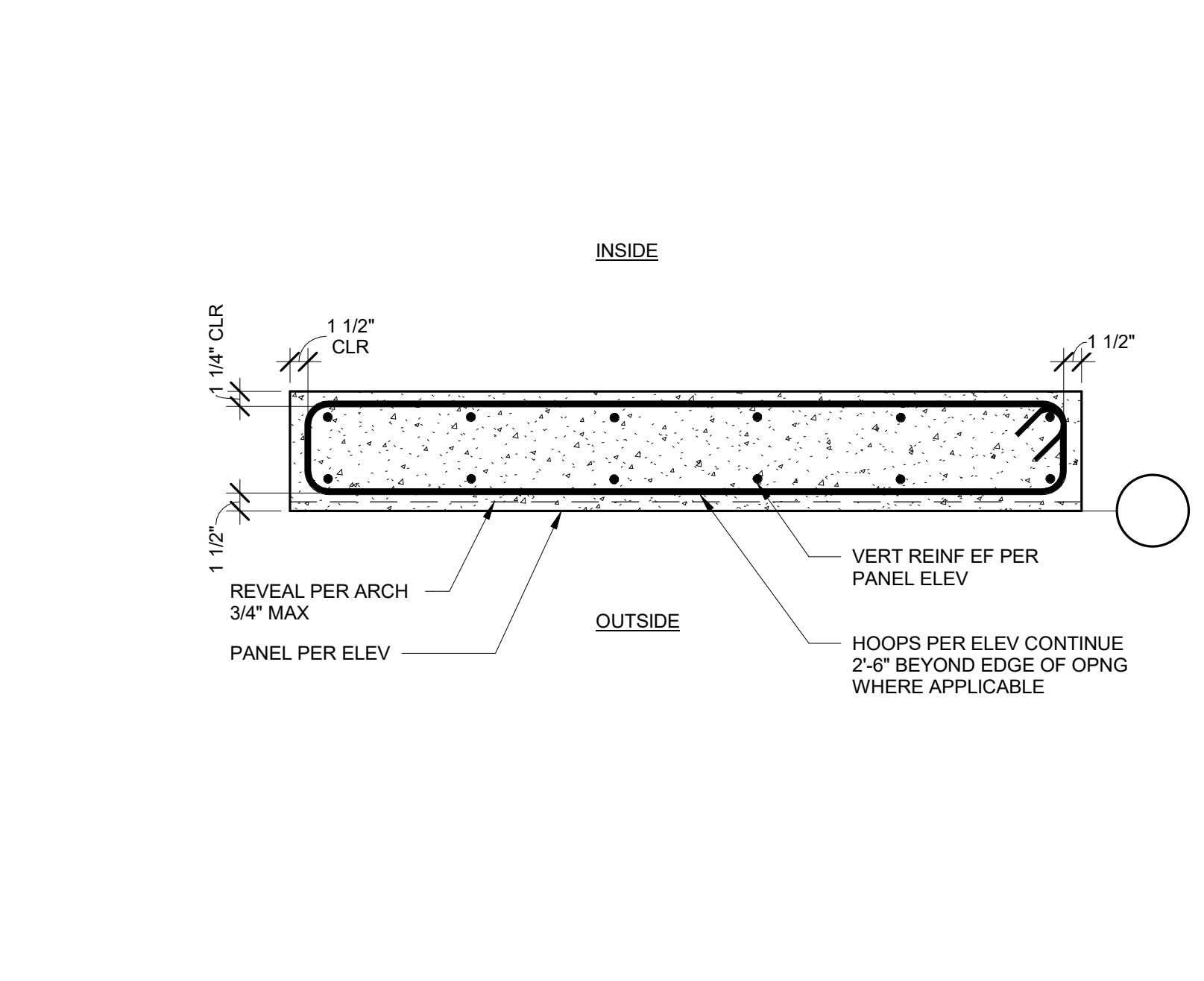
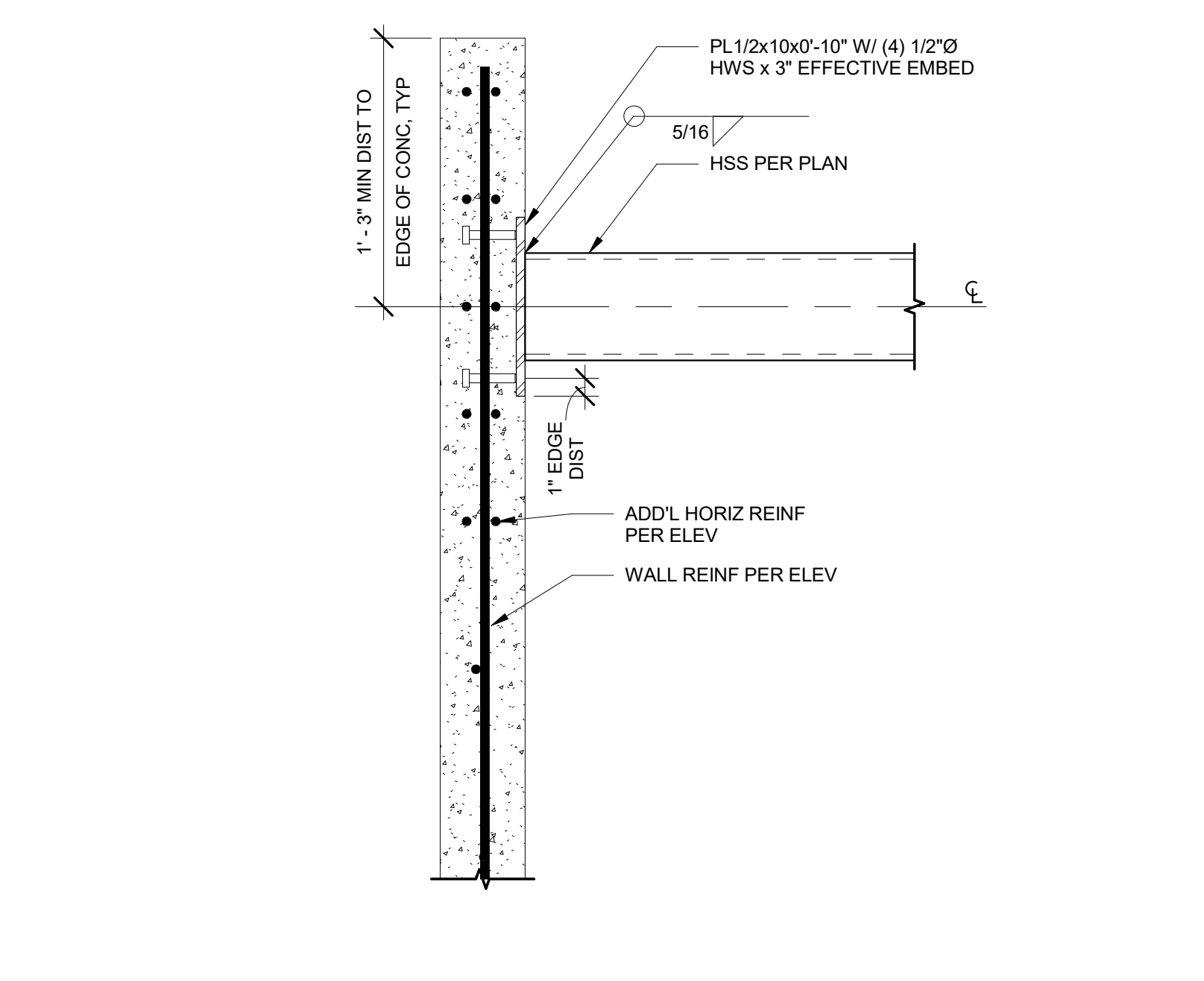
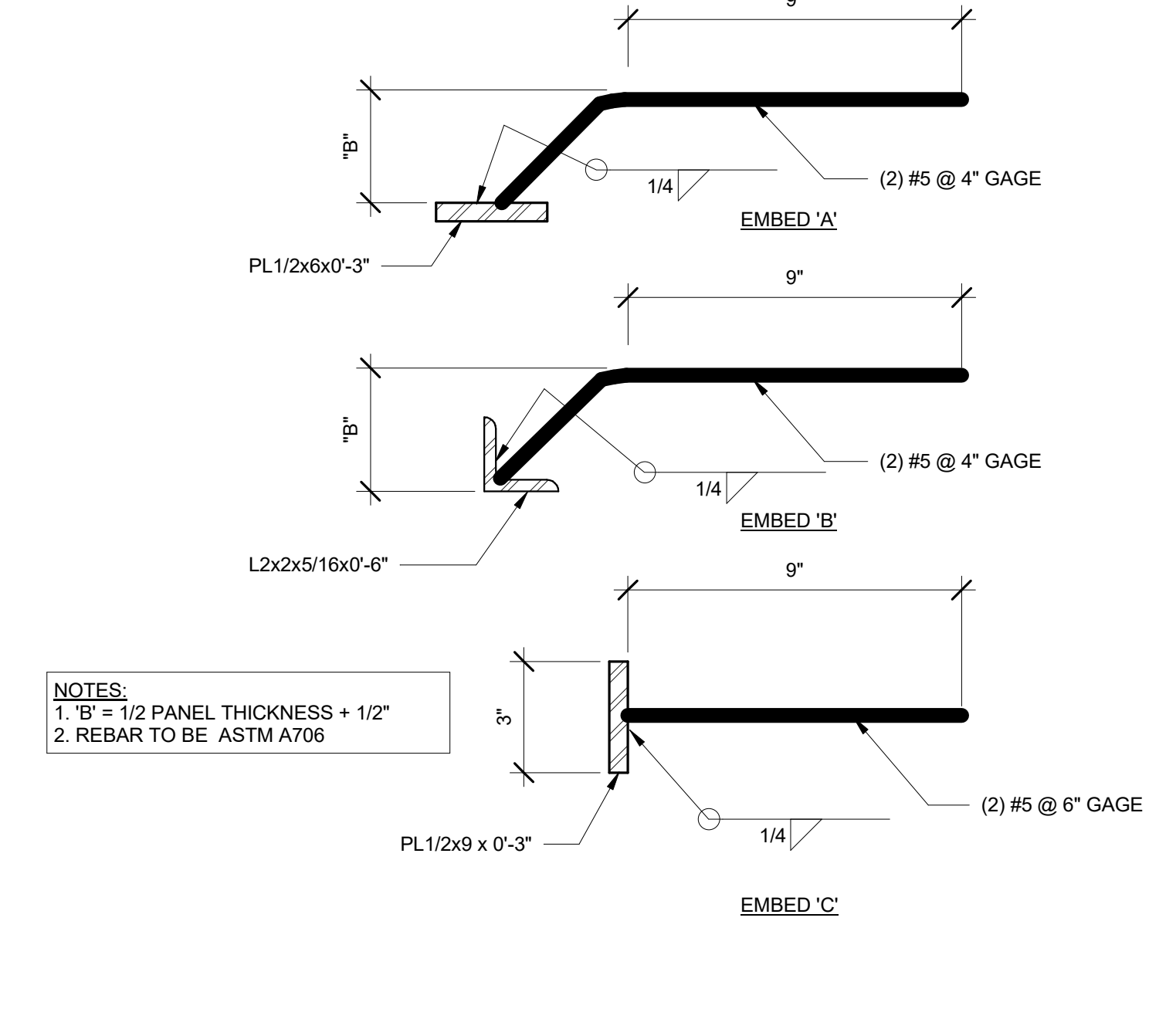
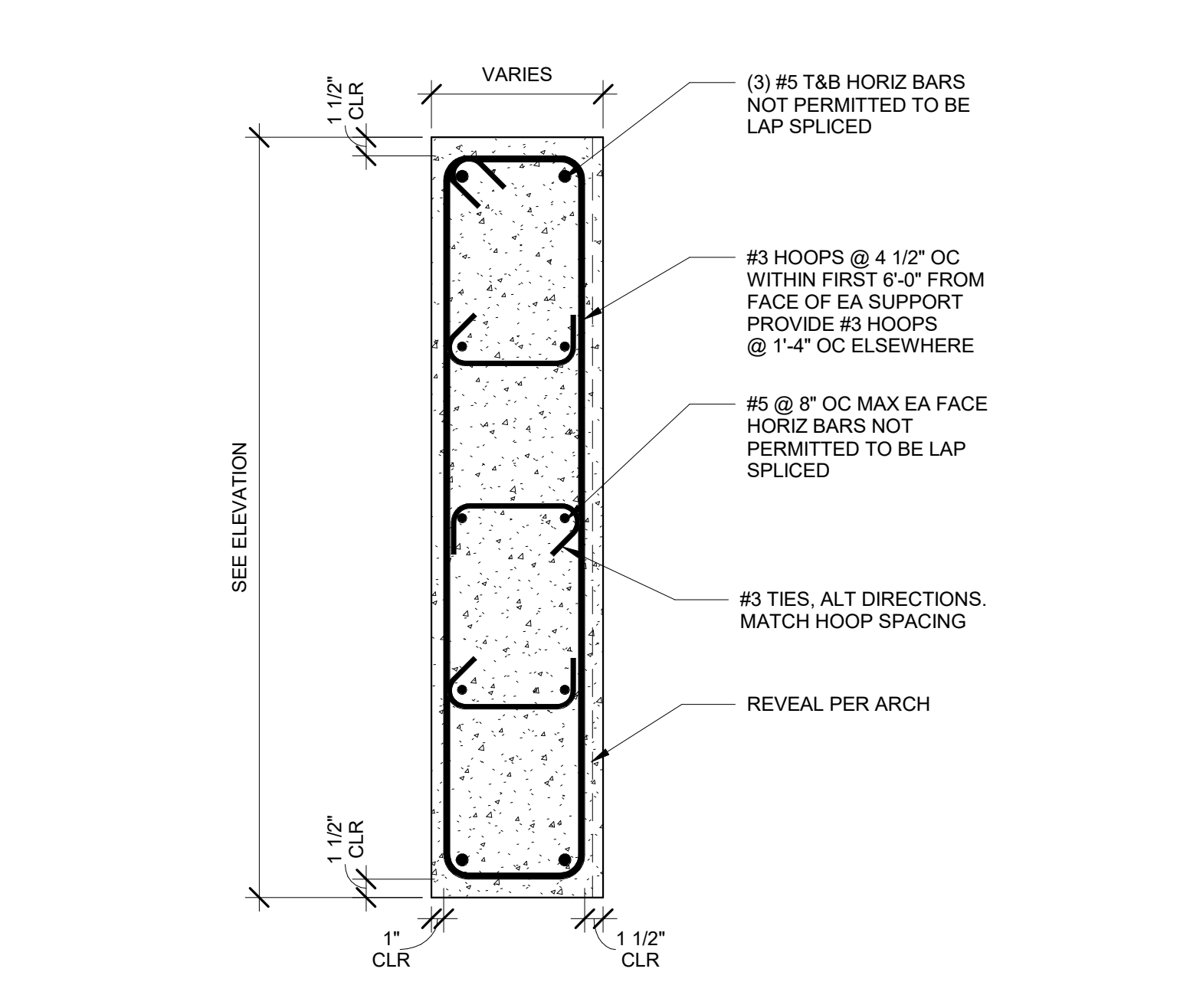
1 THICKENED PANEL REINF
 S5.81 1" = 1'-0"

2 CHORD TIE
 S5.81 1" = 1'-0"

3 TYP PANEL LEG REINF
 S5.81 1 1/2" = 1'-0"

4 PANEL JOINT END TO END
 S5.81 3" = 1'-0"

5 OUTSIDE CORNER 90 DEGREE EDGES
 S5.81 3" = 1'-0"



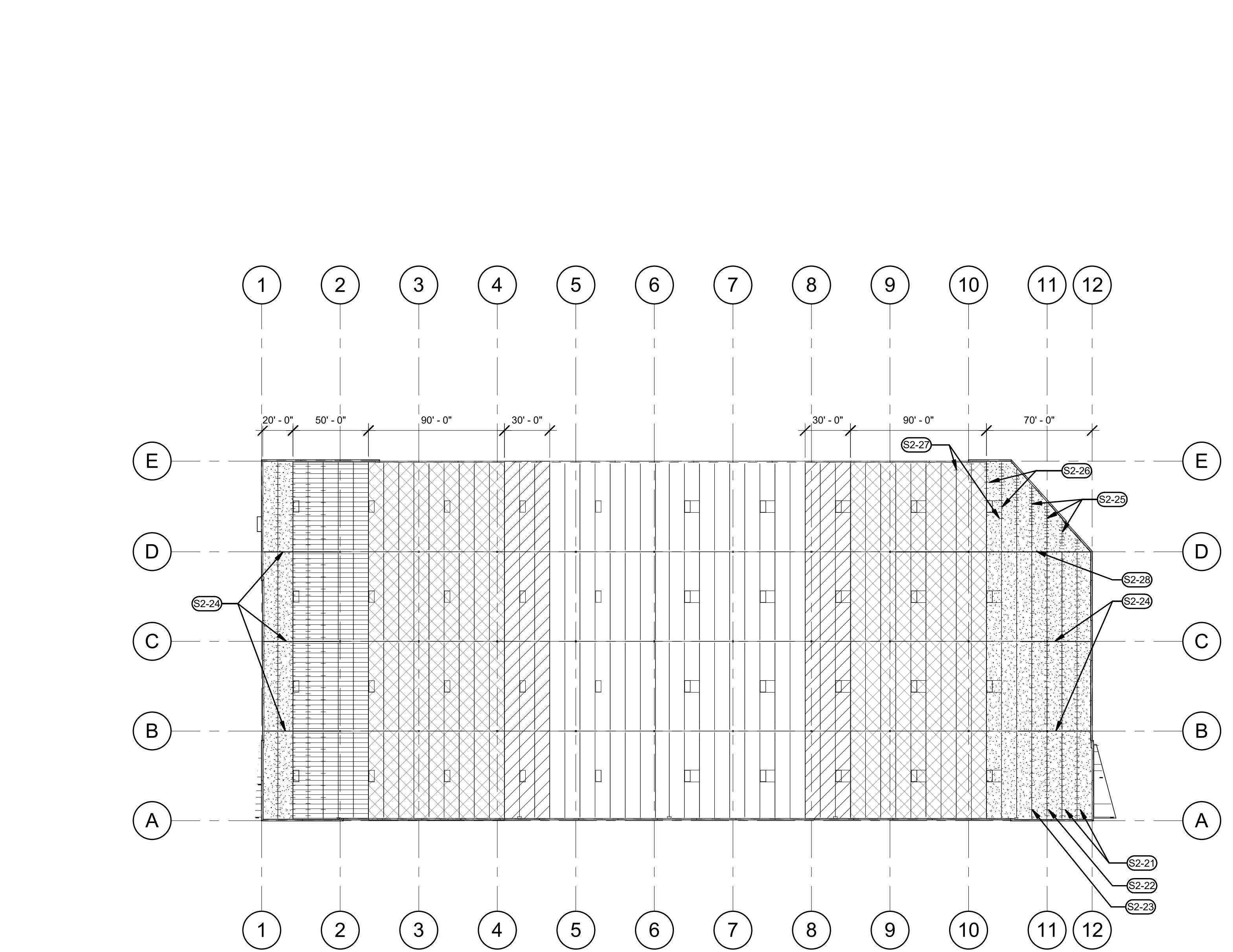
6 COUPLING BEAM HOOP REINFORCING
 S5.81 1" = 1'-0"

7 WELD EMBED / CONNECTIONS
 S5.81 3" = 1'-0"

8 HSS TO PANEL CONN
 S5.81 1 1/2" = 1'-0"

9 PANEL LEG HOOP REINFORCING
 S5.81 1" = 1'-0"

10 OUTSIDE CORNER ANGLED WALL
 S5.81 3" = 1'-0"

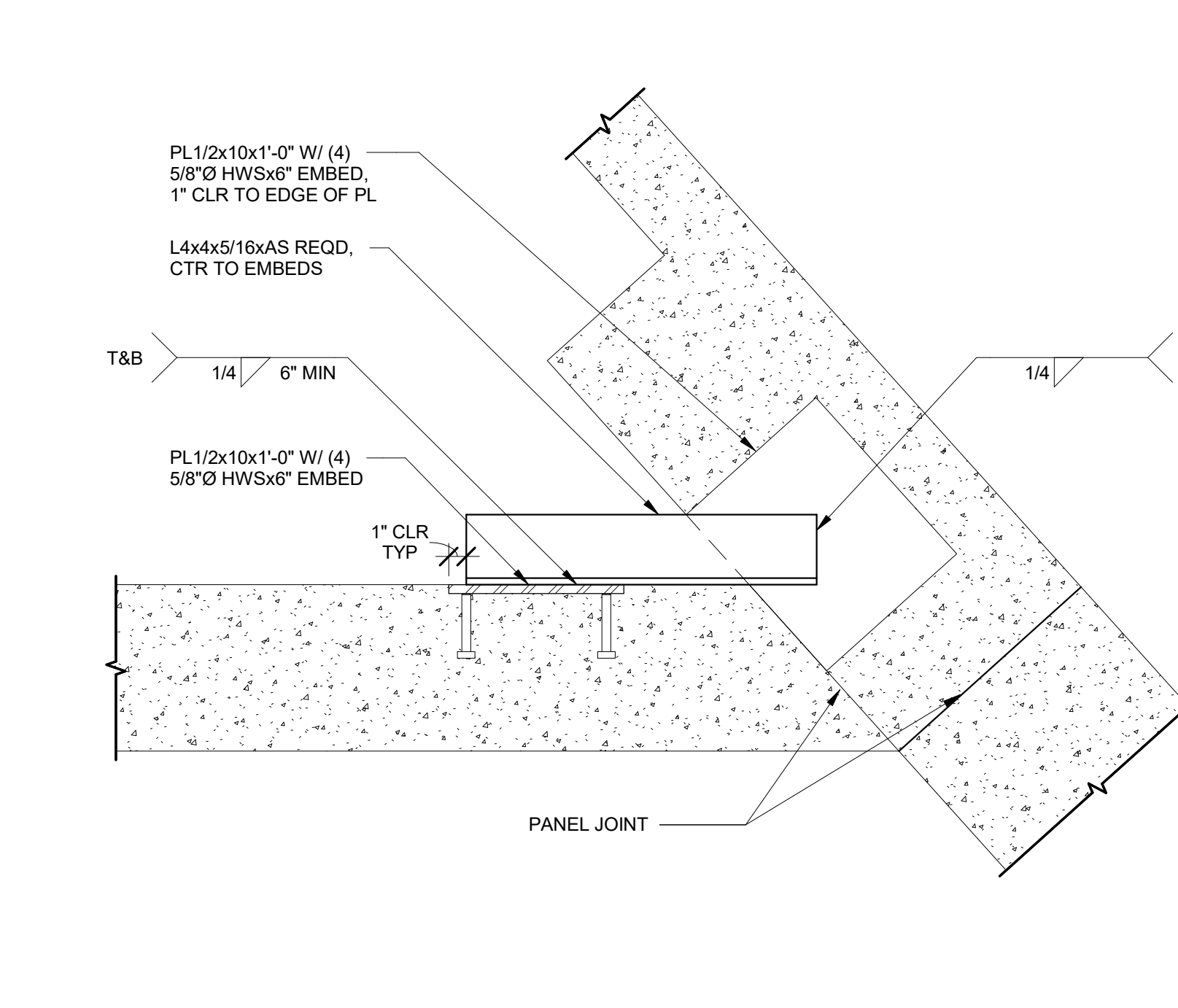


KEYNOTES

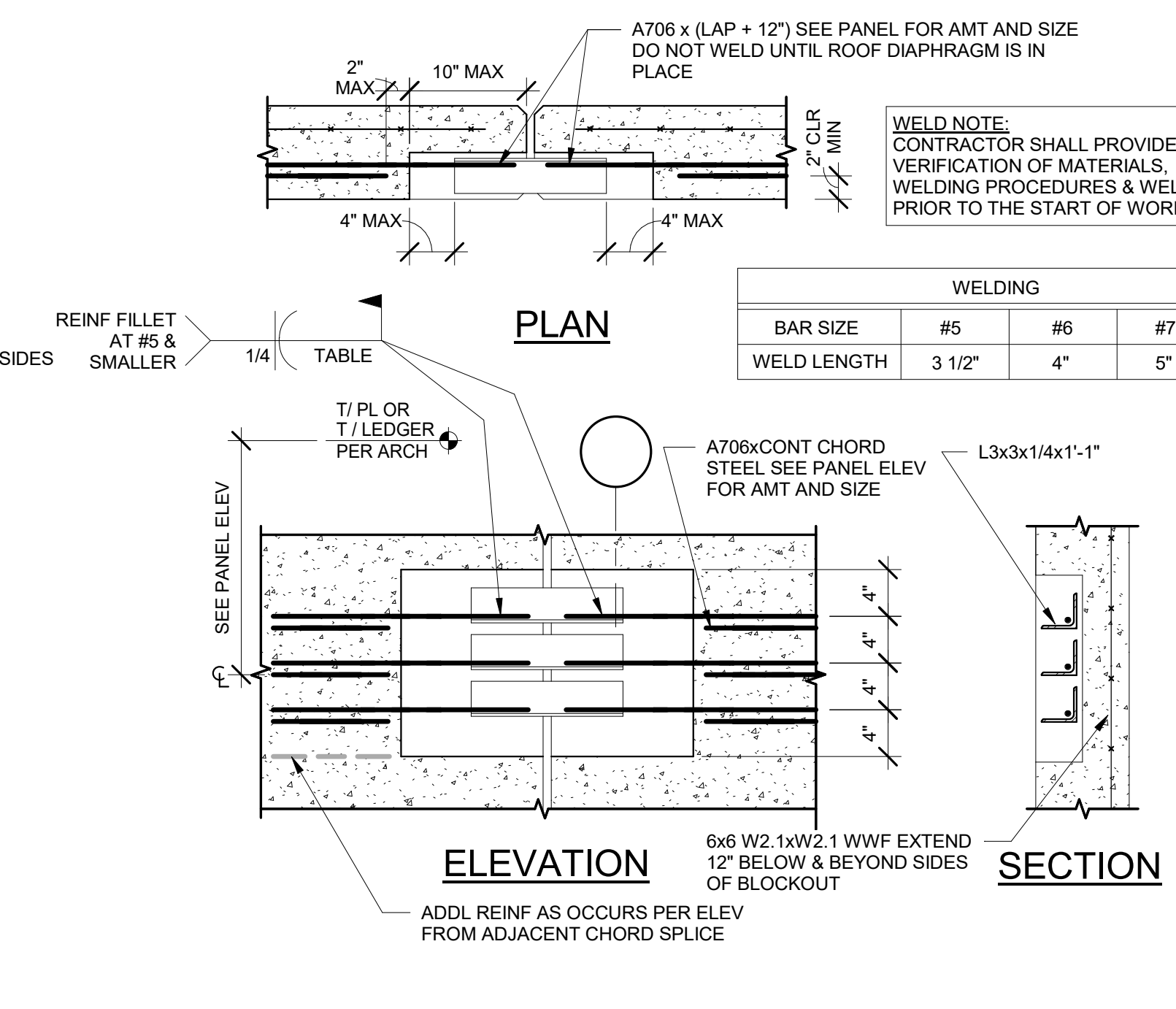
- S2-21 SIMPSON CMST12 COILED STRAPS @ 4'-0" OC W/ (86) TOTAL 100 NAILS, SUBPURLIN TO SUBPURLIN, STRAP ACROSS 1ST AND 2ND ROW OF JOISTS FROM WALL, USE 4x SUBPURLINS AND ALIGN STRAPS W/ HOLD-DOWNS IN DETAIL 1555.82
- S2-22 SIMPSON MSH36 STRAPS @ 4'-0" OC W/ (56) TOTAL 100 NAILS, SUBPURLIN TO SUBPURLIN, STRAP ACROSS 3RD ROW OF JOISTS FROM WALL, USE MIN 3x SUBPURLINS AND ALIGN STRAPS W/ HOLD-DOWNS IN DETAIL 1555.82
- S2-23 SIMPSON MSH36 STRAPS @ 8'-0" OC W/ (56) TOTAL 100 NAILS, SUBPURLIN TO SUBPURLIN, STRAP ACROSS 4TH ROW OF JOISTS FROM WALL, USE MIN 3x SUBPURLINS AND ALIGN STRAPS W/ HOLD-DOWNS IN DETAIL 1555.82
- S2-24 NAIL GIRDER W/ 100 NAILS @ 1'-11/4" OC STAGGERED OVER FIRST 50FT FROM WALL, SEE S5.82 FOR NAILER AND 20/SO 10 FOR NAILING PATTERN
- S2-25 SIMPSON CMST14 COILED STRAPS @ 2'-0" OC W/ (54) TOTAL 100 NAILS, SUBPURLIN TO SUBPURLIN, STRAP ACROSS 1ST AND 2ND JOISTS FROM SKEWED WALL, USE MIN 4x SUBPURLINS AND ALIGN STRAPS W/ WELDED STRAPS IN DETAIL 755.82
- S2-26 SIMPSON MSH48 STRAPS @ 4'-0" W/ (48) TOTAL 100 NAILS, SUBPURLIN TO SUBPURLIN, STRAP ACROSS 3RD JOIST FROM SKEWED WALL, USE MIN 3x SUBPURLINS AND ALIGN STRAPS W/ WELDED STRAPS IN DETAIL 755.82
- S2-27 SIMPSON MSH48 STRAPS @ 8'-0" W/ (48) TOTAL 100 NAILS, SUBPURLIN TO SUBPURLIN, STRAP ACROSS 4TH JOIST FROM SKEWED WALL, USE MIN 3x SUBPURLINS AND ALIGN STRAPS W/ WELDED STRAPS IN DETAIL 755.82
- S2-28 NAIL GIRDER W/ 100 NAILS @ 1'-11/4" OC STAGGERED OVER FIRST 100FT FROM WALL, SEE S5.82 FOR NAILER AND 20/SO 10 FOR NAILING PATTERN.

LEGEND

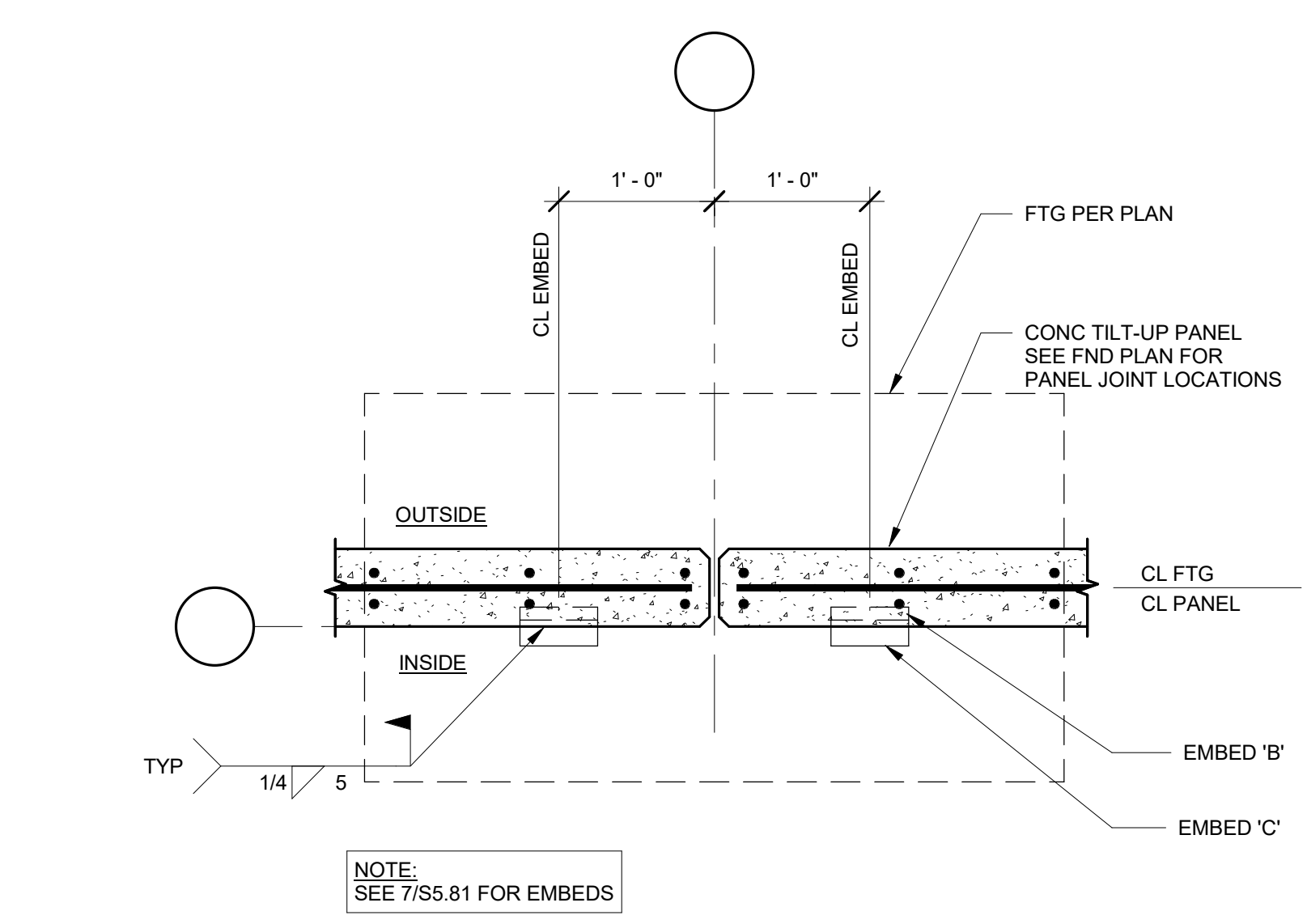
- 104 @ 2 1/2" OC STAGGERED NAILING USING 3 ROWS OF FASTENERS PER 1950 10 AT PANEL EDGES AND 12" OC AT INTERIOR SUPPORTS. USE 4x SUBPURLINS
- 104 @ 4" OC STAGGERED NAILING USING 3 ROWS OF FASTENERS PER 1950 10 AT PANEL EDGES AND 12" OC AT INTERIOR SUPPORTS. USE 4x SUBPURLINS
- 104 @ 2 1/2" OC NAILING AT PANEL EDGES AND 12" OC AT INTERIOR SUPPORTS. USE 3x MIN SUBPURLINS UNO
- 104 @ 4" OC NAILING USING AT PANEL EDGES AND 12" OC AT INTERIOR SUPPORTS. USE 2x SUBPURLINS UNO
- 104 @ 8" OC NAILING AT PANEL EDGES AND 12" OC AT INTERIOR SUPPORTS. USE 2x SUBPURLINS UNO



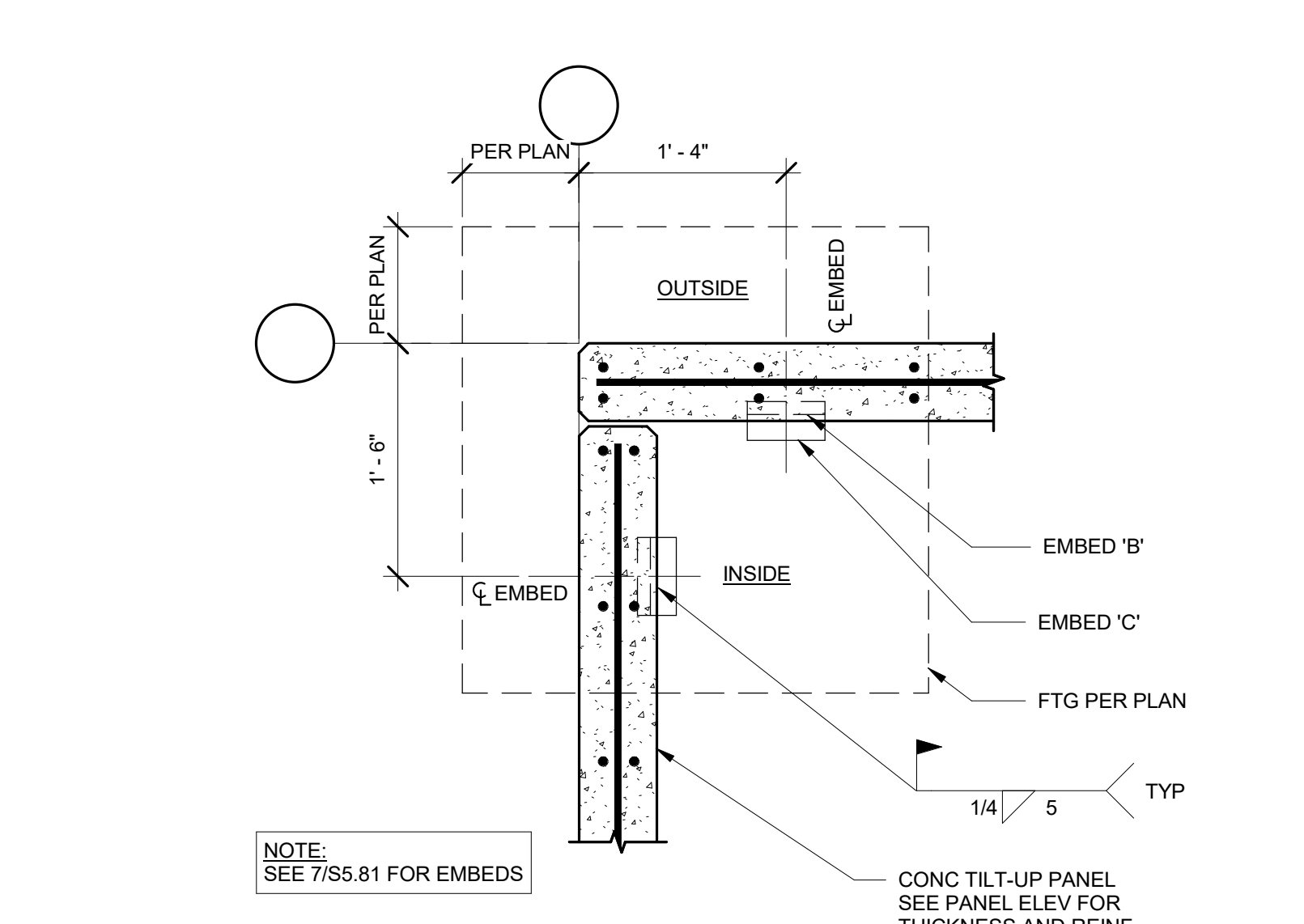
14 TOP OF BLADE WALL CONN
 S5.81 1 1/2" = 1'-0"



15 TYPICAL CHORD SPLICE (SFRS)
 S5.81 1" = 1'-0"



19 PANEL END TO END
 S5.81 1" = 1'-0"

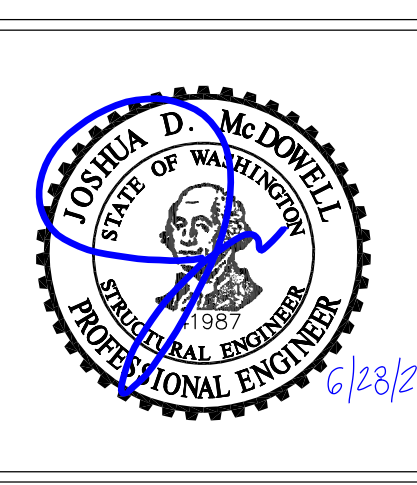


20 OUTSIDE CORNER
 S5.81 1" = 1'-0"

16 NAILING AND STRAPPING PLAN
 S5.81 1" = 50'-0"

19 PANEL END TO END
 S5.81 1" = 1'-0"

20 OUTSIDE CORNER
 S5.81 1" = 1'-0"



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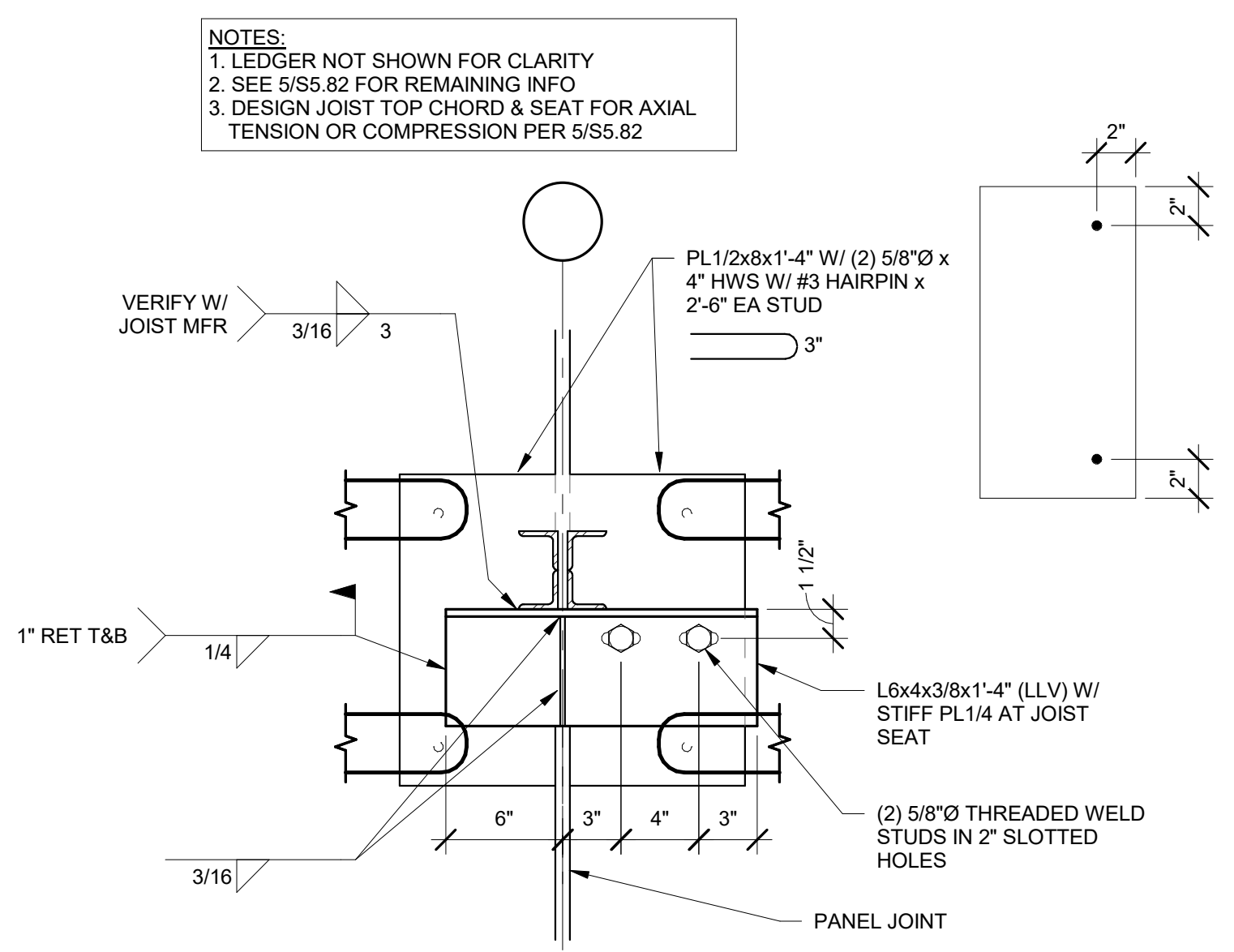
REVISION SCHEDULE		
Date	Issued As	Issue Date

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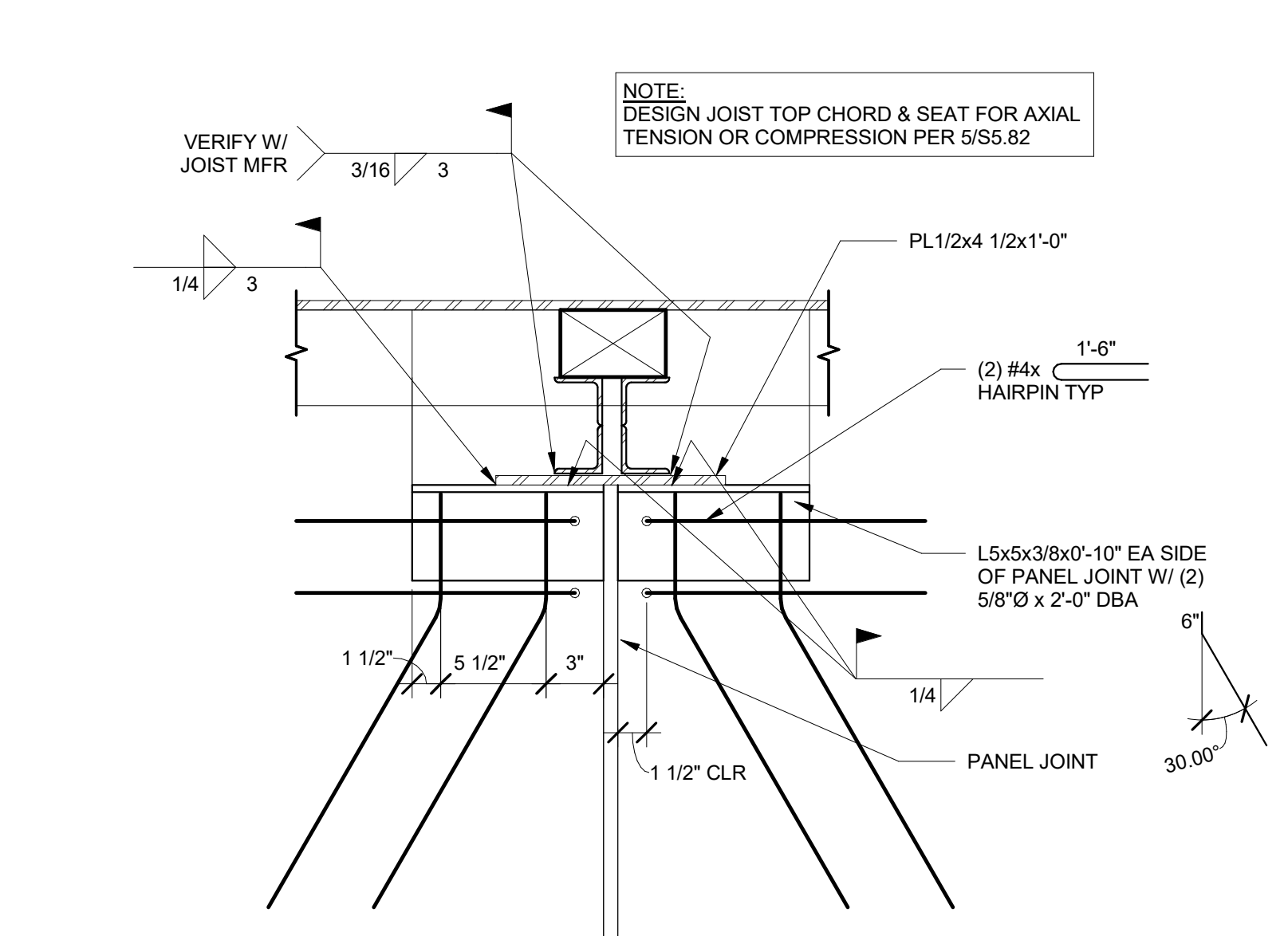
SHEET

S5.81

JOB NO. 2220290.00



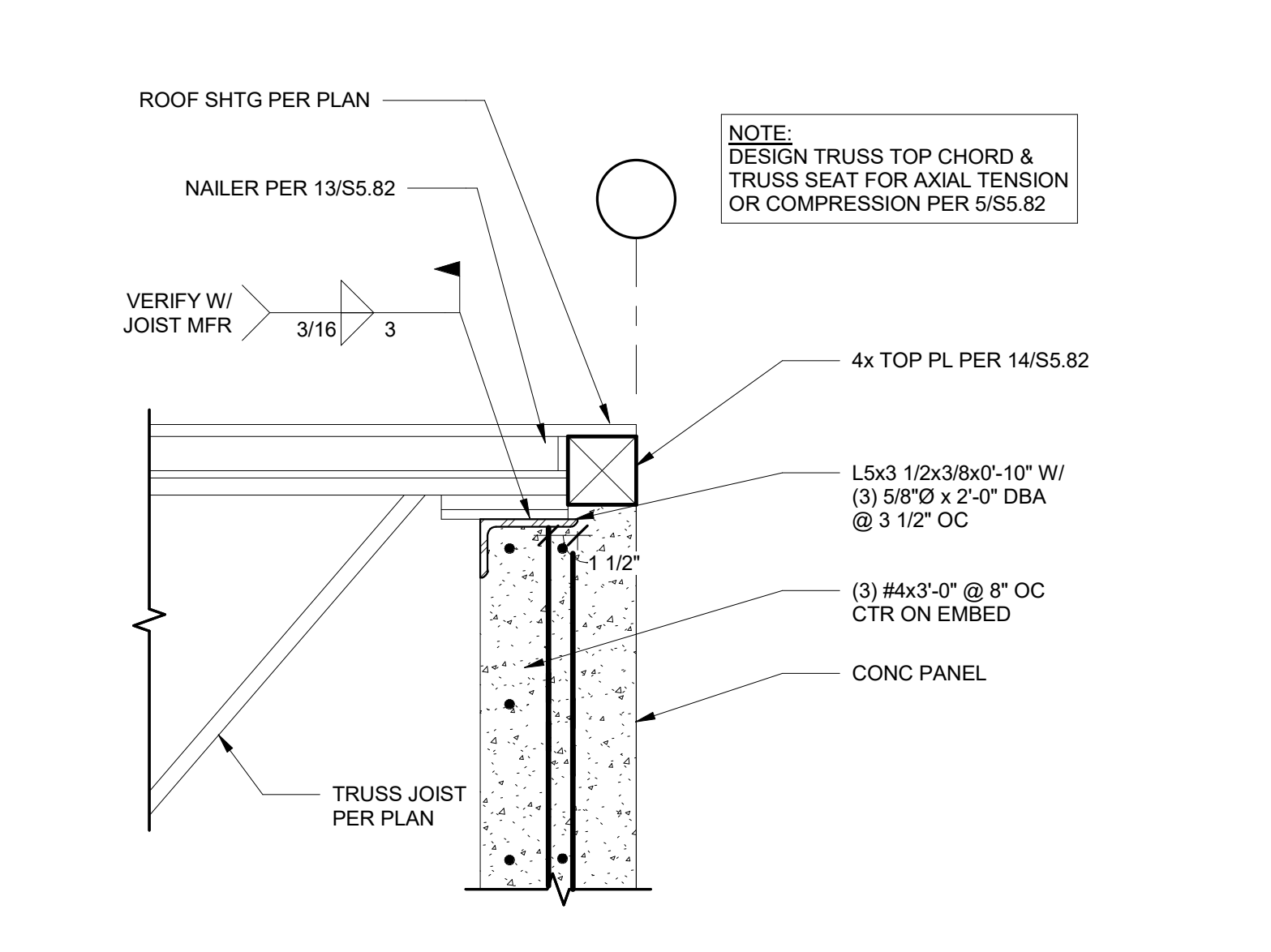
1 JOIST AT PANEL JOINT
 S5.82 1 1/2" = 1'-0"



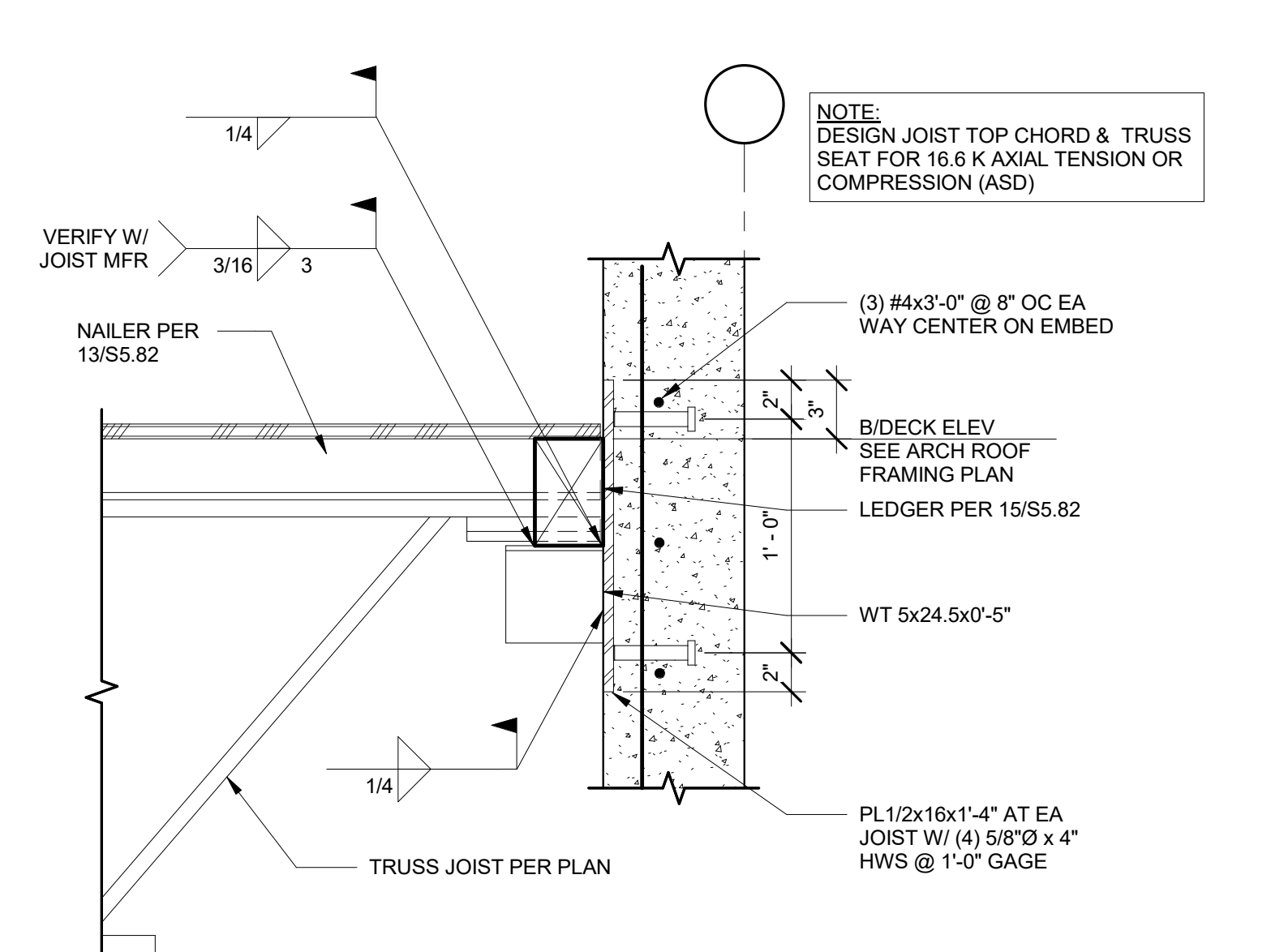
2 JOIST BEARING AT PANEL JOINT
 S5.82 1 1/2" = 1'-0"



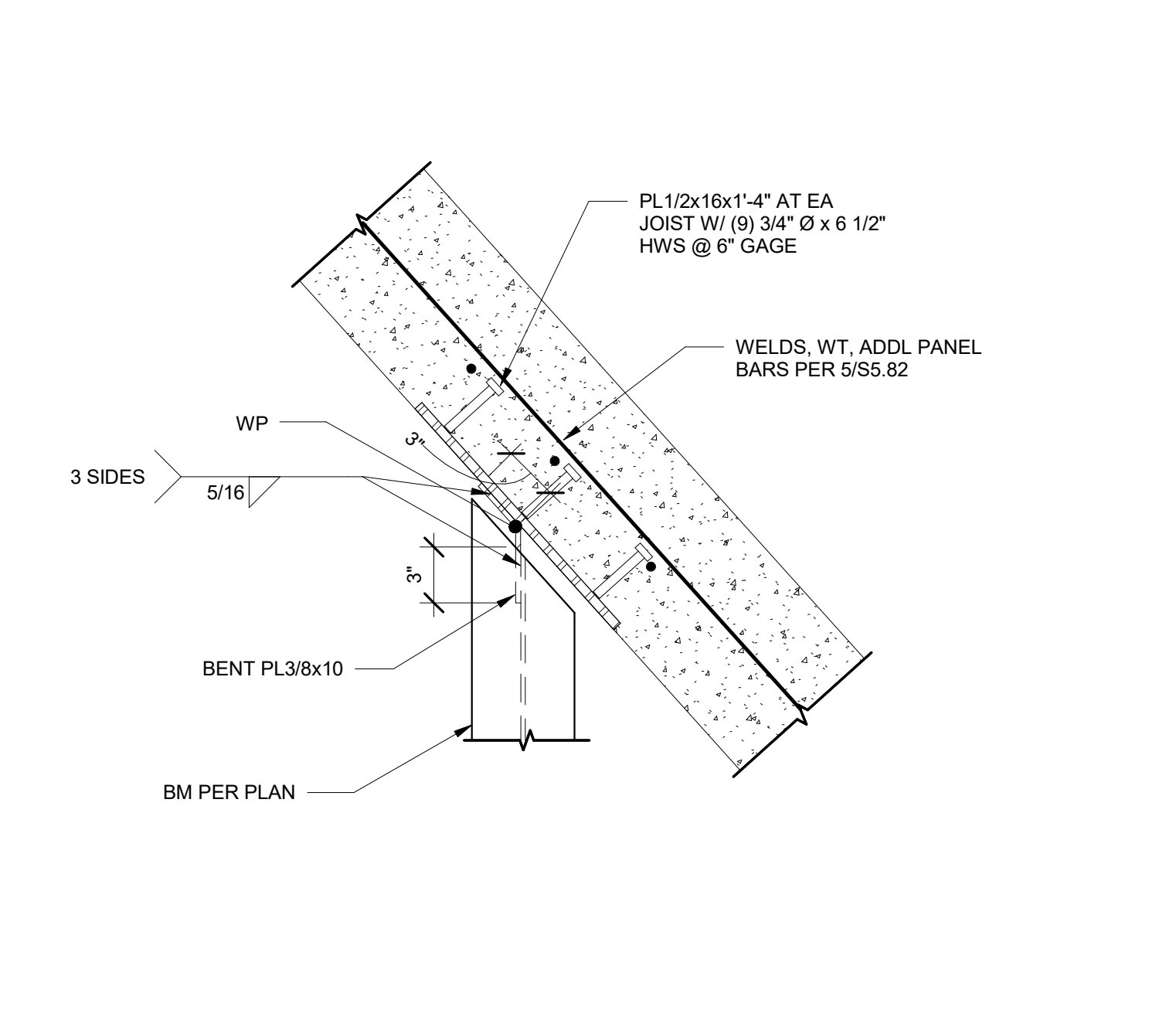
4 JOIST CONNECTION AT TOP PLATE
 S5.82 1 1/2" = 1'-0"



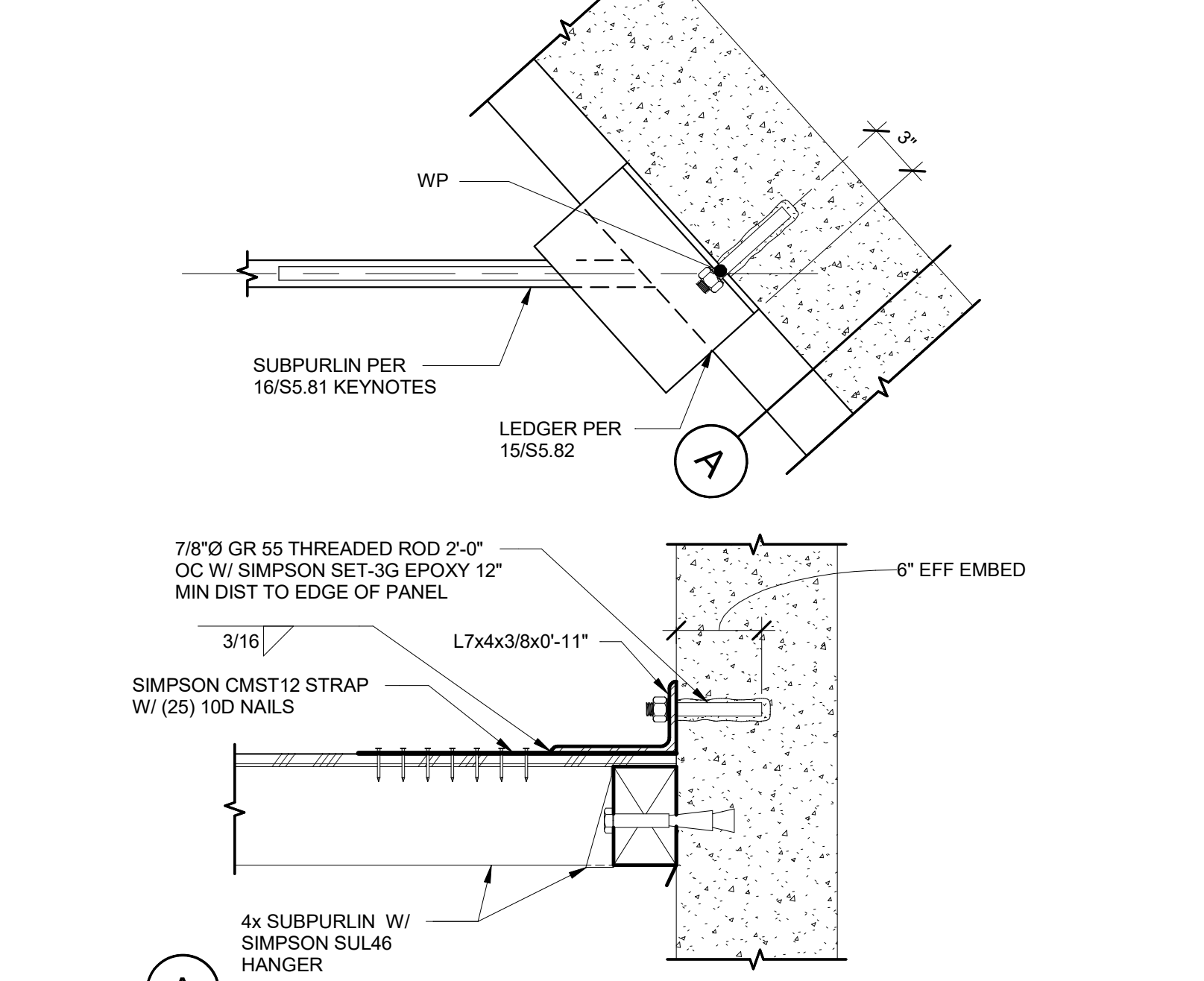
5 JOIST AT WALL
 S5.82 1 1/2" = 1'-0"



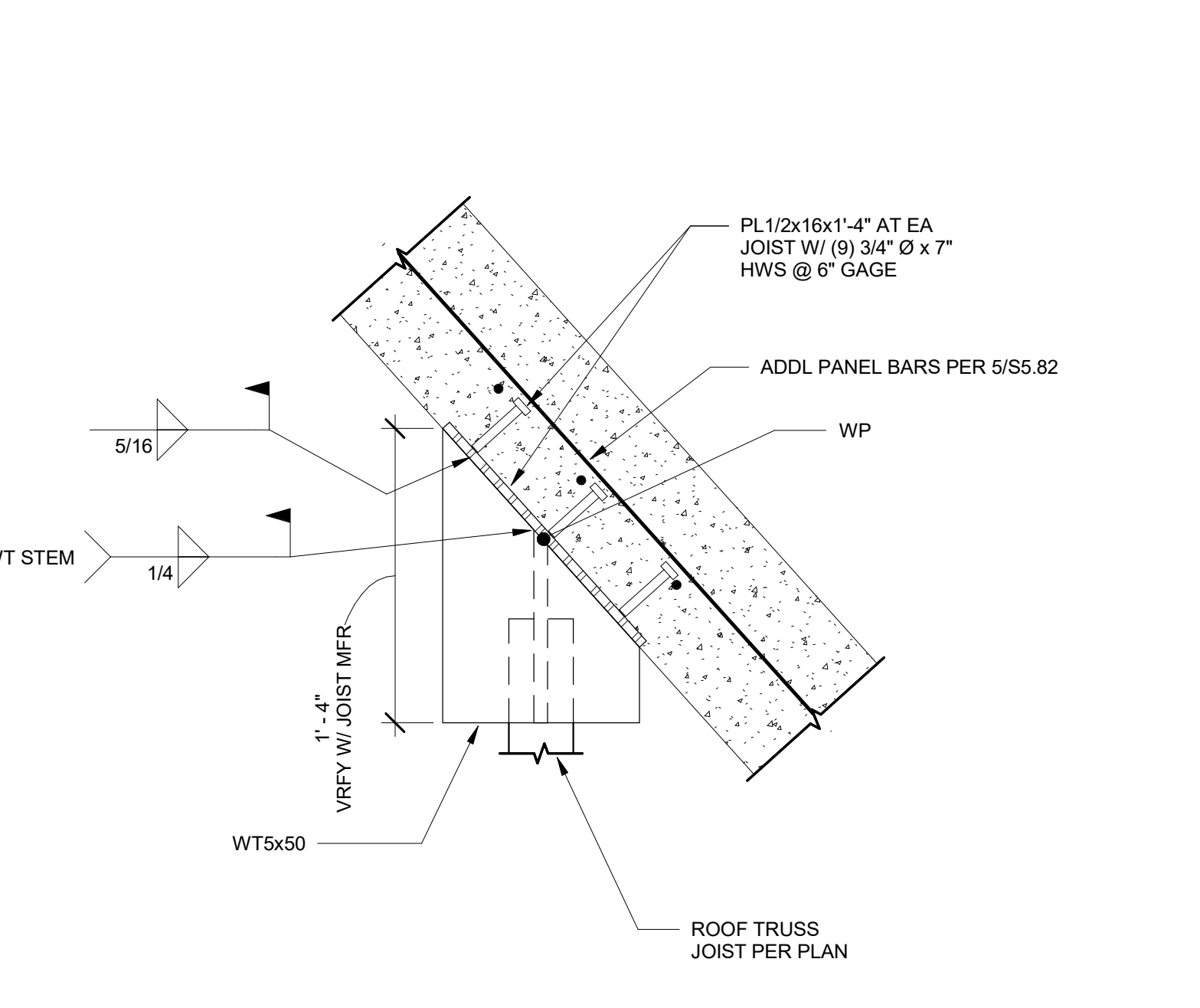
6 GIRDER BEARING AT PANEL JOINT
 S5.82 1 1/2" = 1'-0"



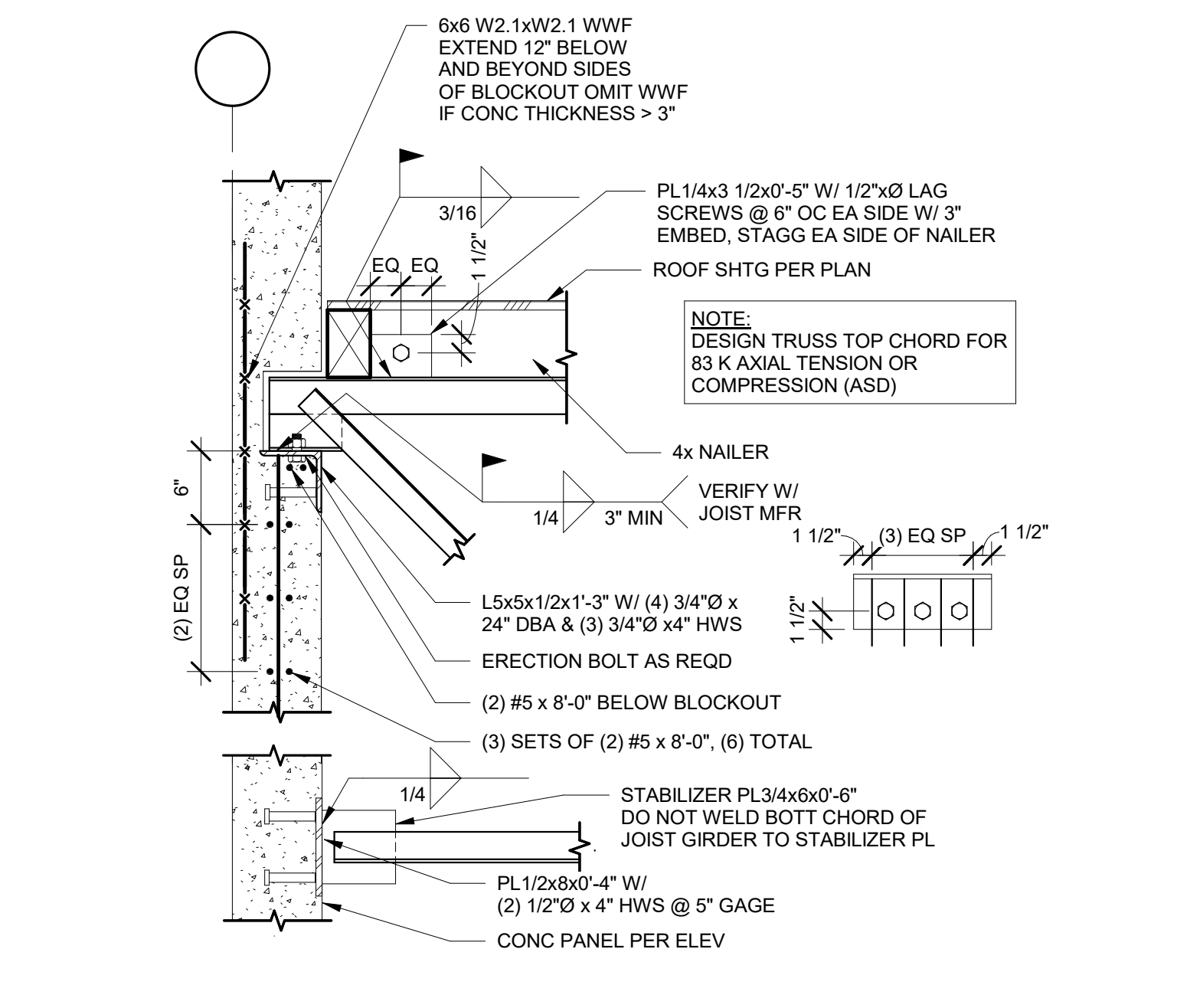
6 BEAM AT SKEWED WALL
 S5.82 1 1/2" = 1'-0"



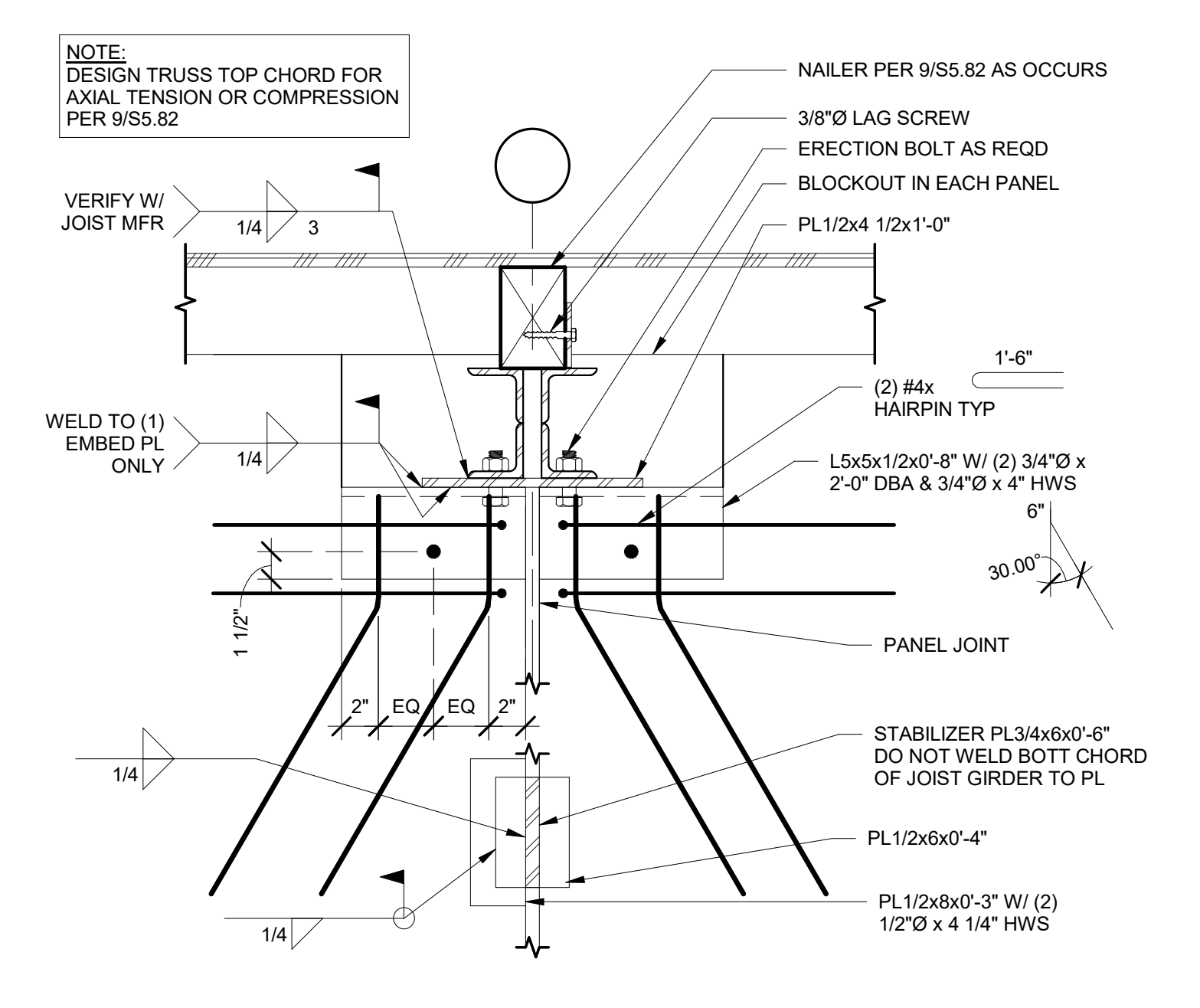
7 SUBPURLIN TO SKEWED WALL
 S5.82 1 1/2" = 1'-0"



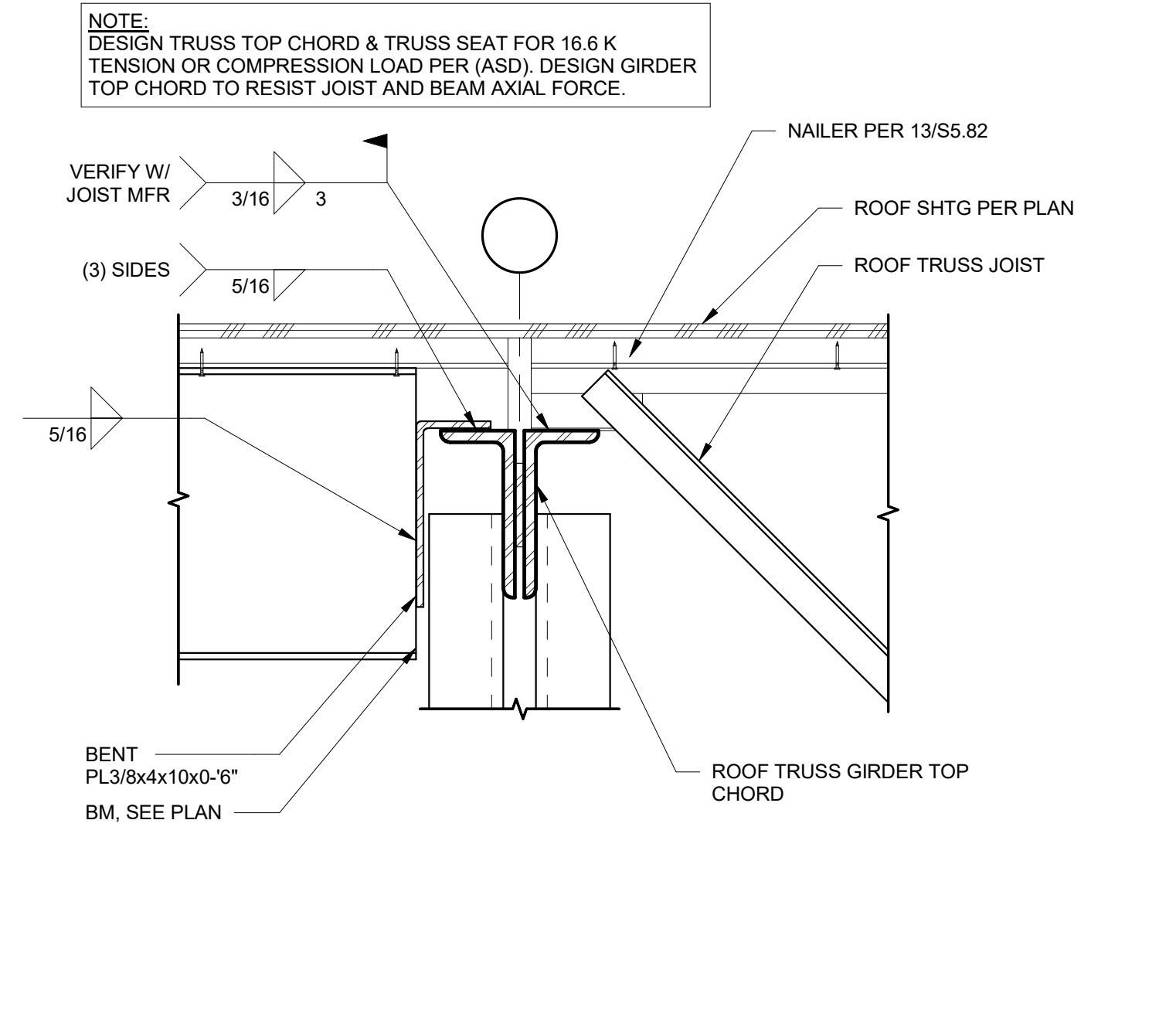
8 JOIST AT SKEWED WALL
 S5.82 1 1/2" = 1'-0"



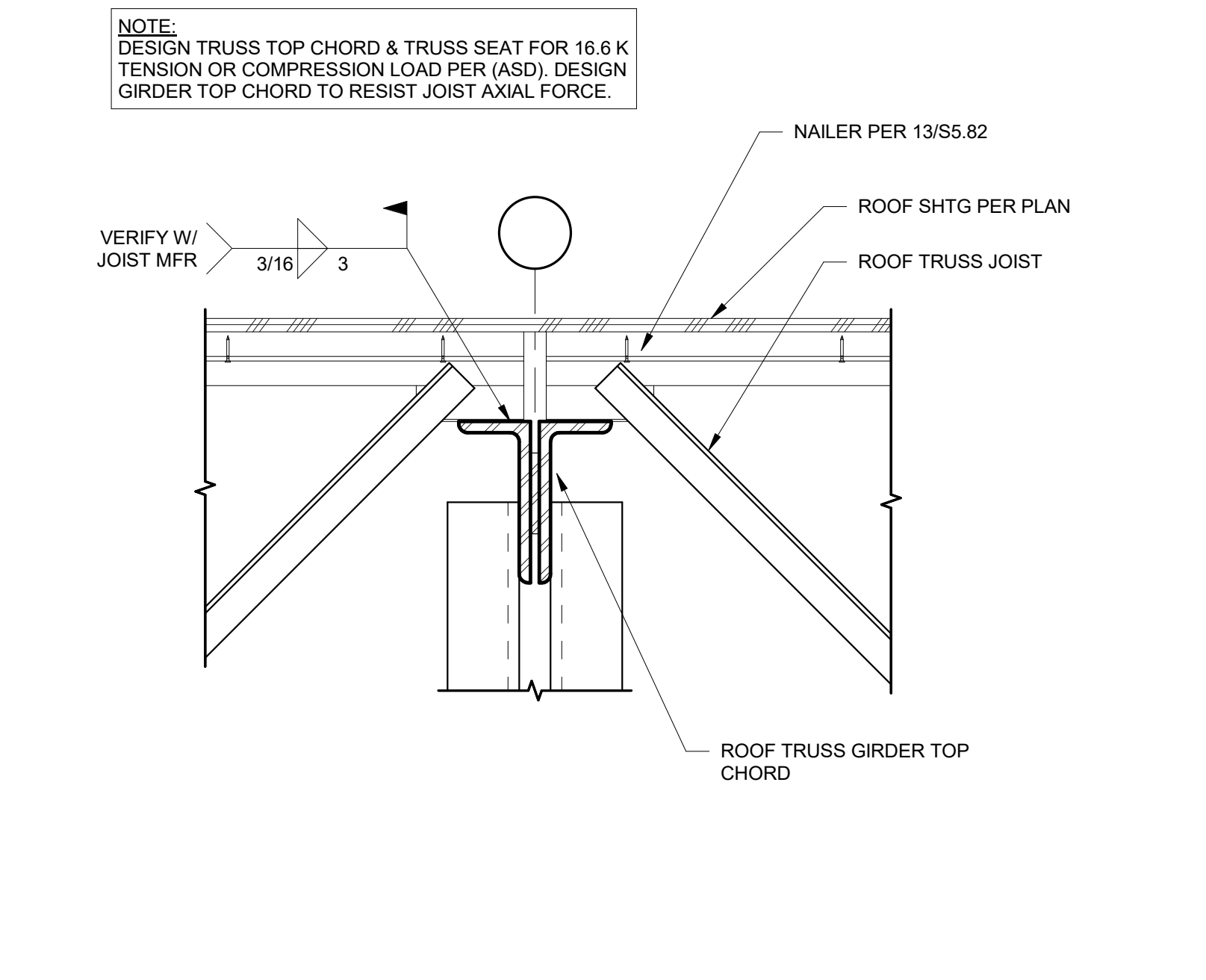
9 TRUSS GIRDER TO PANEL CONNECTION
 S5.82 1" = 1'-0"



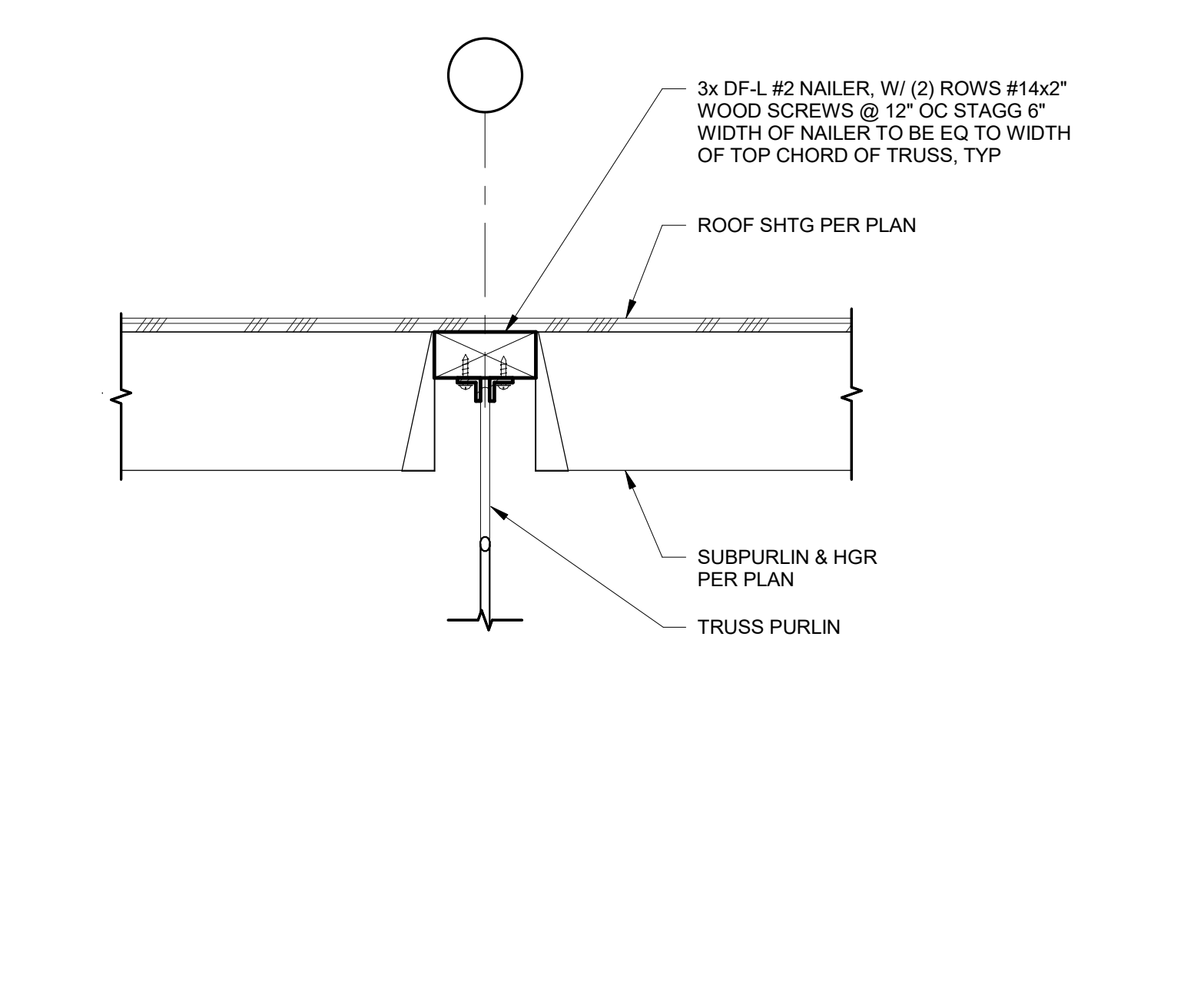
10 GIRDER BEARING AT PANEL JOINT
 S5.82 1 1/2" = 1'-0"



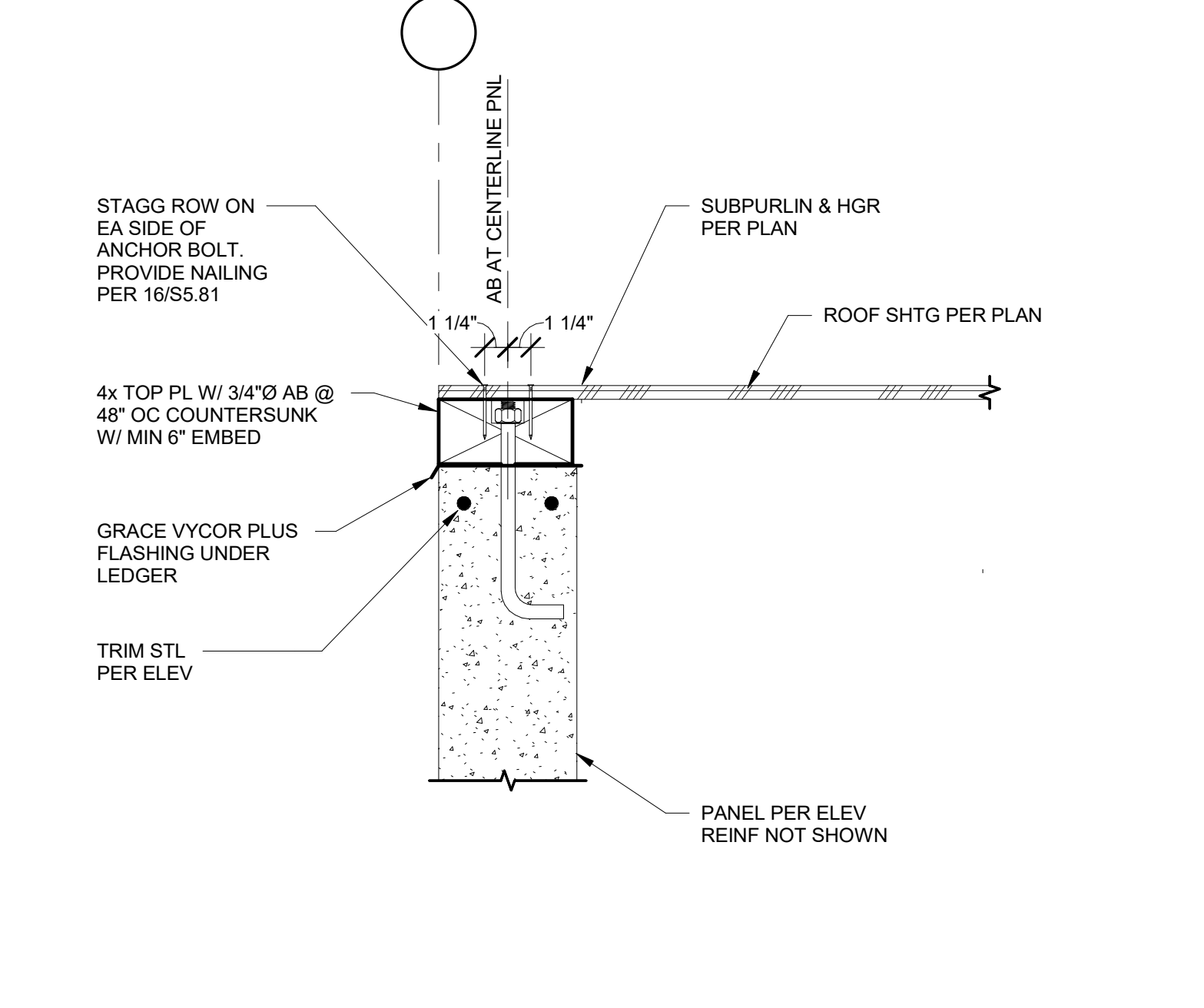
11 JOIST & BEAM FRAMING TO GIRDER
 S5.82 1 1/2" = 1'-0"



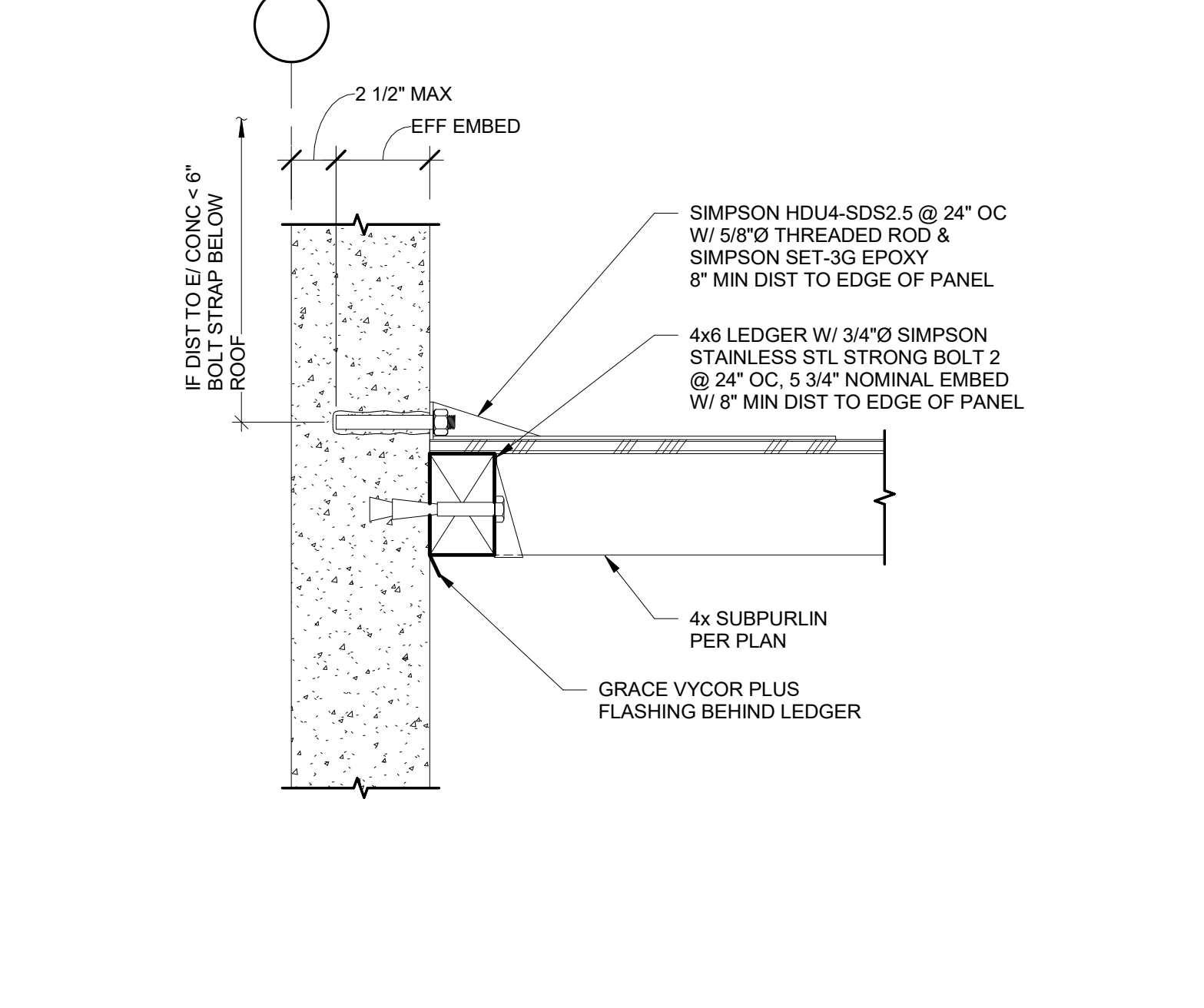
12 JOIST ACROSS GIRDER
 S5.82 1 1/2" = 1'-0"



13 SUBPURLIN AT PURLIN
 S5.82 1 1/2" = 1'-0"



14 TOP PLATE CONNECTION
 S5.82 1 1/2" = 1'-0"



15 SUBPURLIN TO PARAPET
 S5.82 1 1/2" = 1'-0"



16 TRUSS GIRDER AT COLUMN
 S5.82 1" = 1'-0"



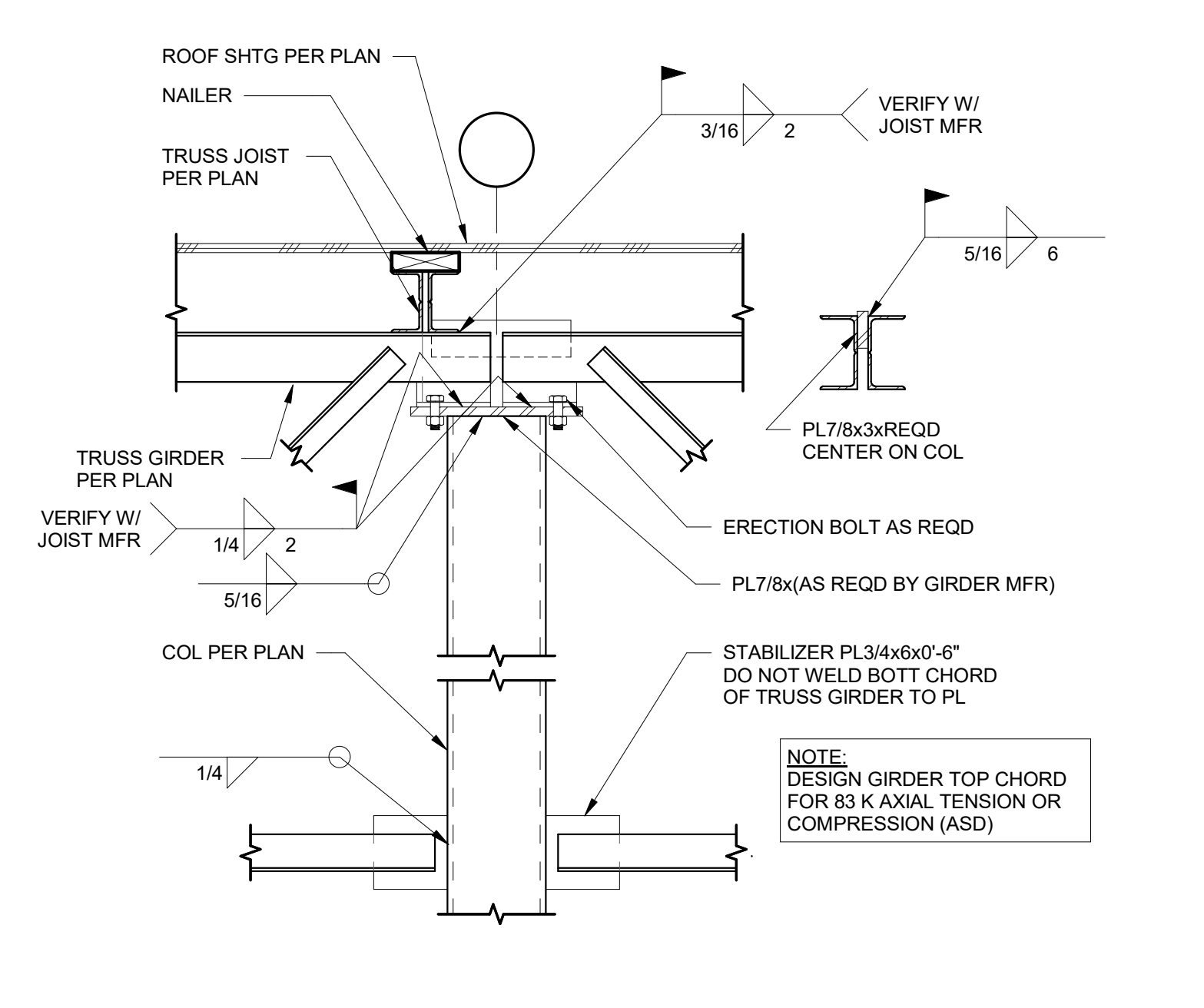
17 JOIST AT PANEL JOINT
 S5.82 1 1/2" = 1'-0"



18 JOIST AT PANEL JOINT
 S5.82 1 1/2" = 1'-0"



19 GIRDER BEARING AT PANEL JOINT
 S5.82 1 1/2" = 1'-0"



20 TRUSS GIRDER AT COLUMN
 S5.82 1" = 1'-0"



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Date	Issued As	Issue Date

SHEET TITLE:
TILT DETAILS

SHEET

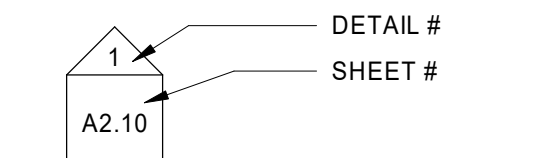
S5.82

JOB NO. **2220290.00**

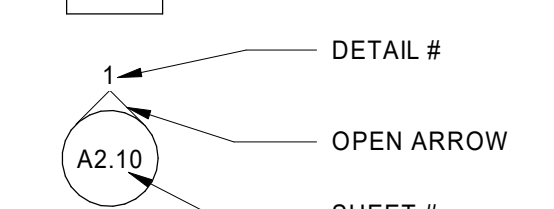
ARCHITECTURAL LEGEND

ANNOTATION SYMBOLS

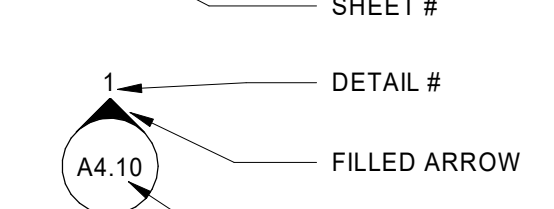
ELEVATION KEY MARK



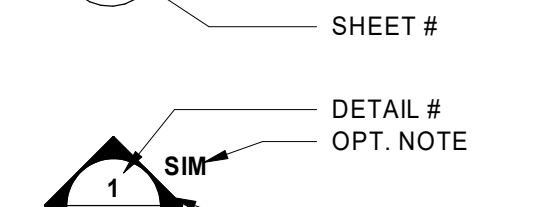
PARTIAL/ENLARGED
ELEVATION KEY MARK



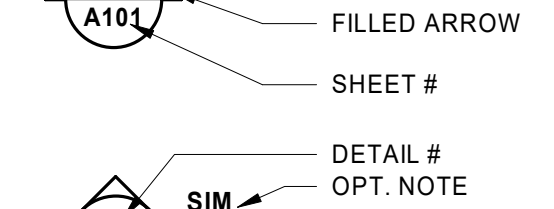
INTERIOR
ELEVATION KEY MARK



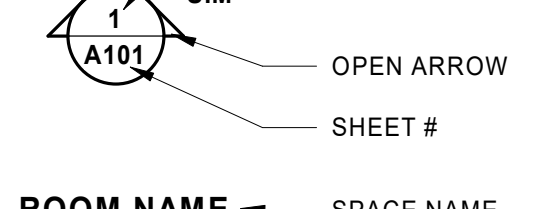
BUILDING SECTION KEY MARK



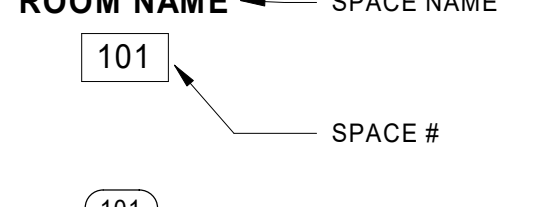
WALL SECTION KEY MARK



ROOM/SPACE IDENTIFICATION



DOOR NUMBER SYMBOL

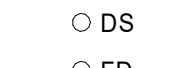


WINDOW TYPE SYMBOL

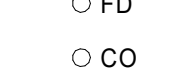


FLOOR/ROOF PLAN SYMBOLS

DOWNSPOUT LOCATION



FLOOR DRAIN



CLEAN OUT



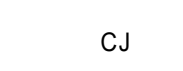
FIRE EXTINGUISHER



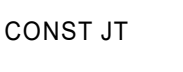
DOCK HIGH OVERHEAD DOOR



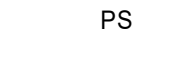
DRIVE IN OVERHEAD DOOR



CONTROL JOINT



CONSTRUCTION JOINT

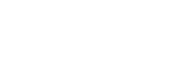


POUR STRIP



MISC. SYMBOLS

SANITARY SEWER LINE
(DESIGN/BUILD PLUMBING)

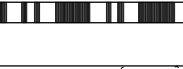


WALL TYPES

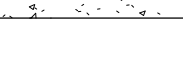
1HR RATED WALL



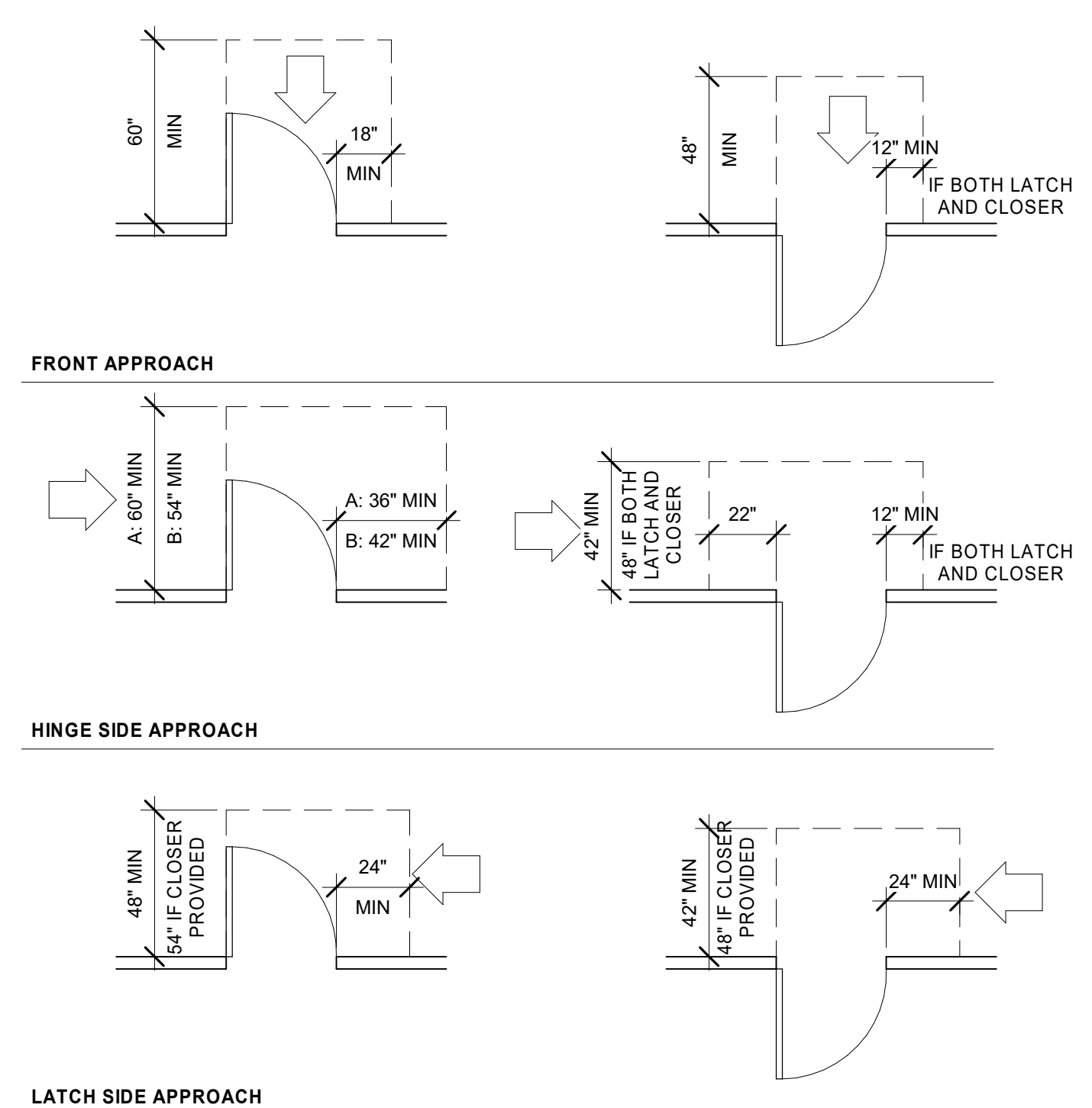
2HR RATED WALL



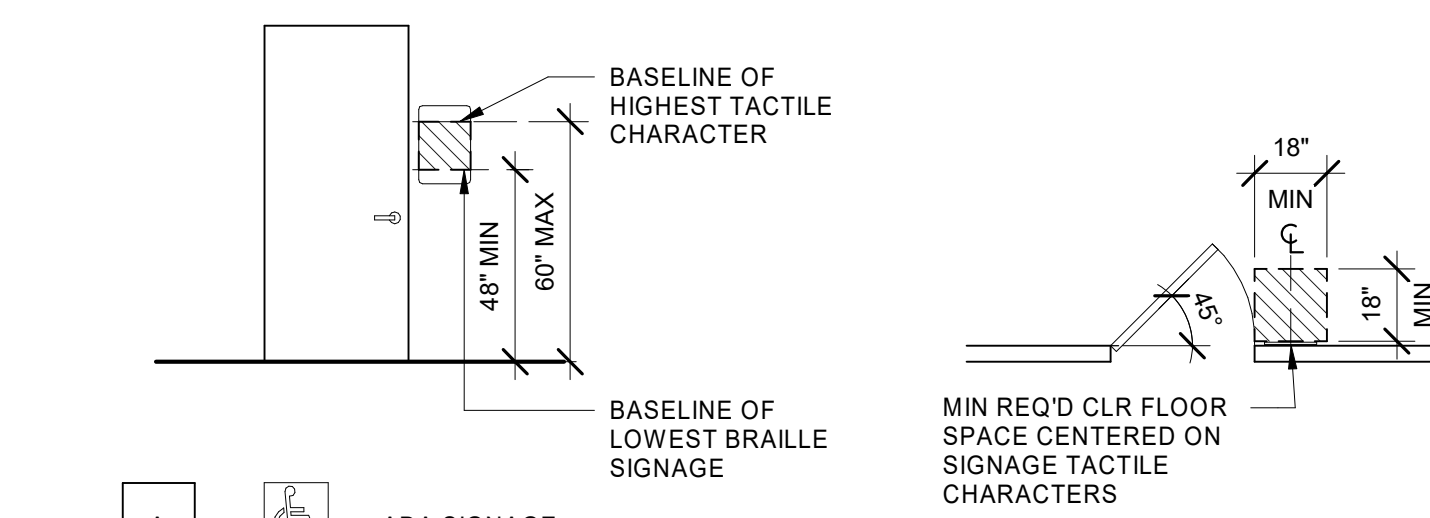
CONCRETE TILT-UP PANEL, SEE
STRUCTURAL



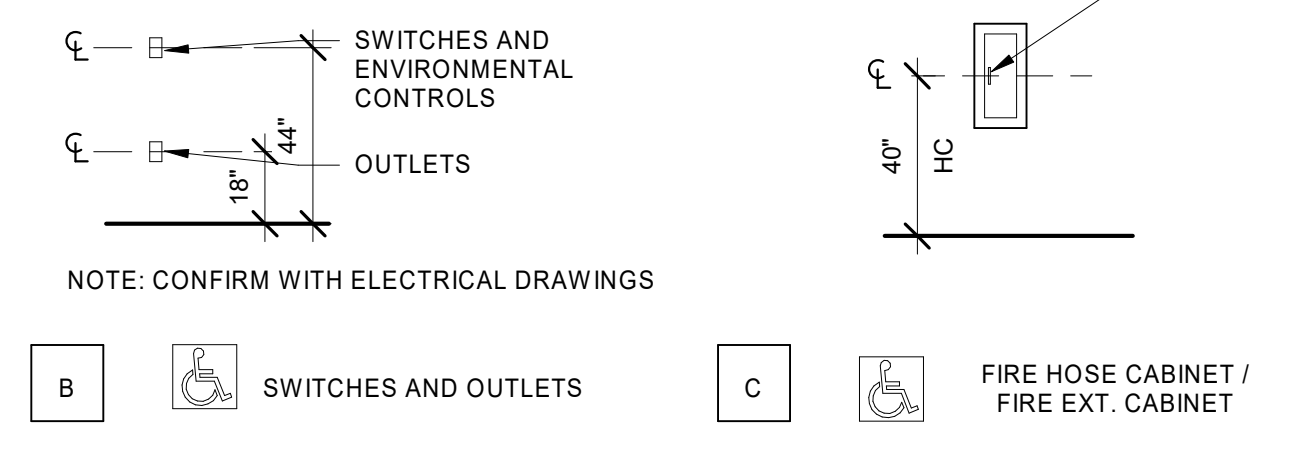
INSULATED HM DOOR



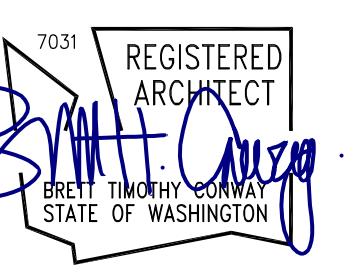
1 ADA DOOR CLEARANCES
A0.01 1/4" = 1'-0"



2 ADA MOUNTING HEIGHTS
A0.01 1/4" = 1'-0"



NOTE: CONFIRM WITH ELECTRICAL DRAWINGS



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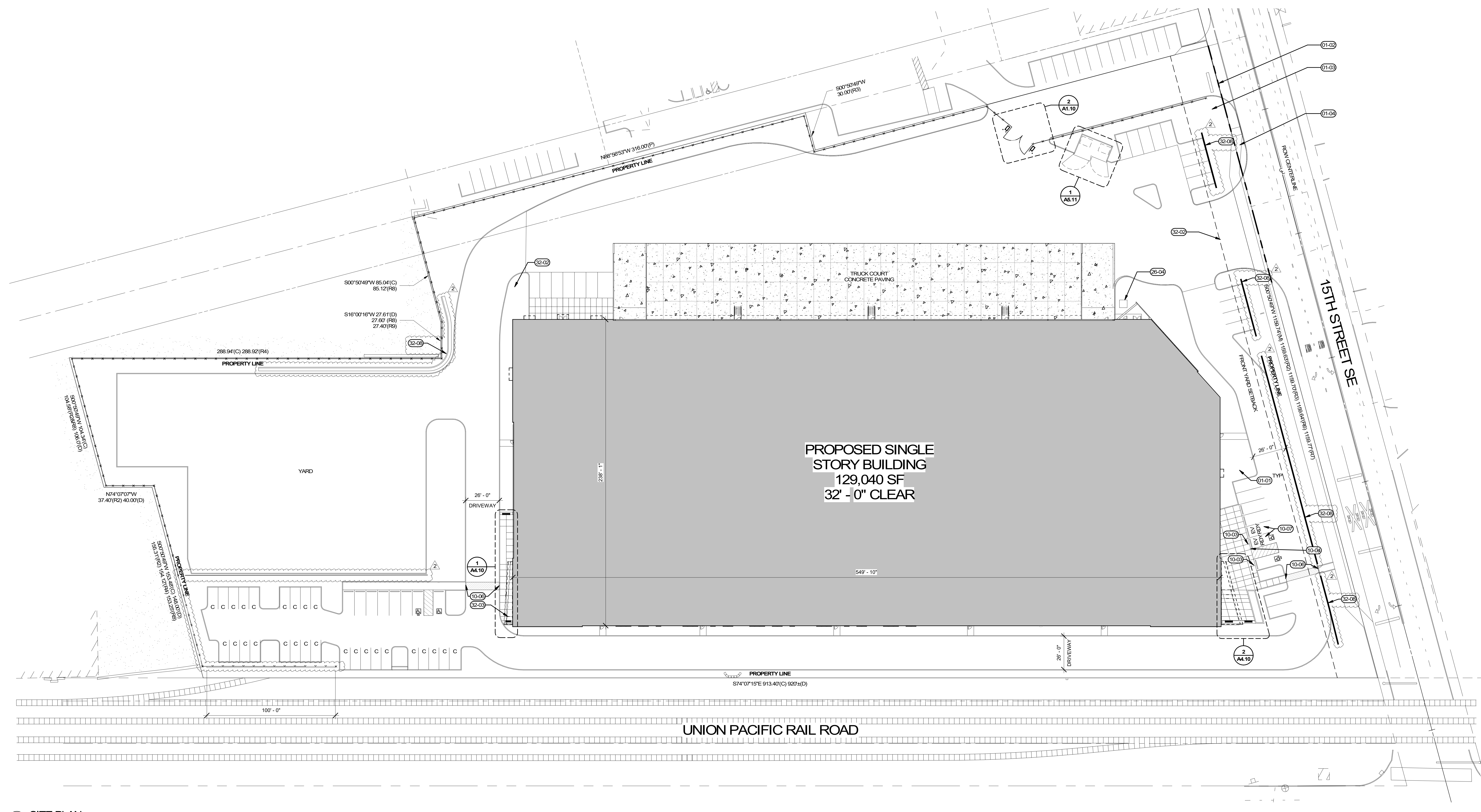
REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
**ARCHITECTURAL
GENERAL
NOTES AND
SYMBOLS**

SHEET

A0.01

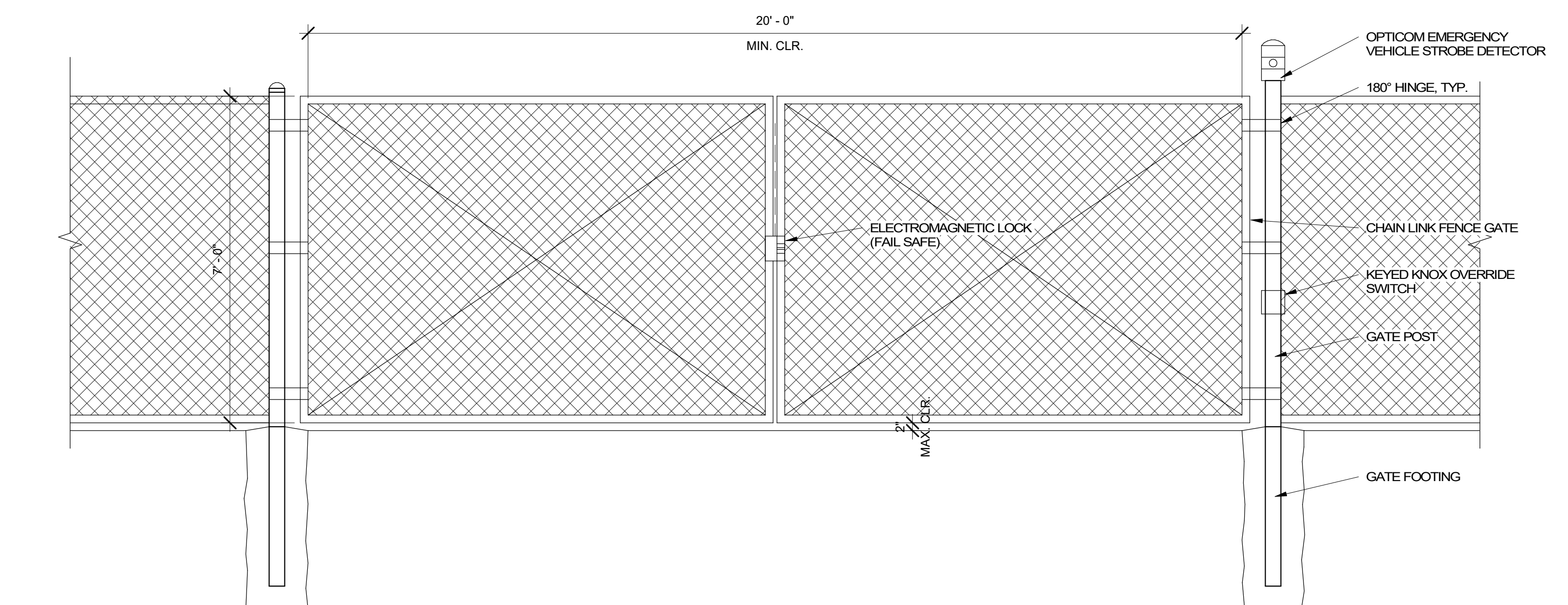
JOB NO. 2220290.00



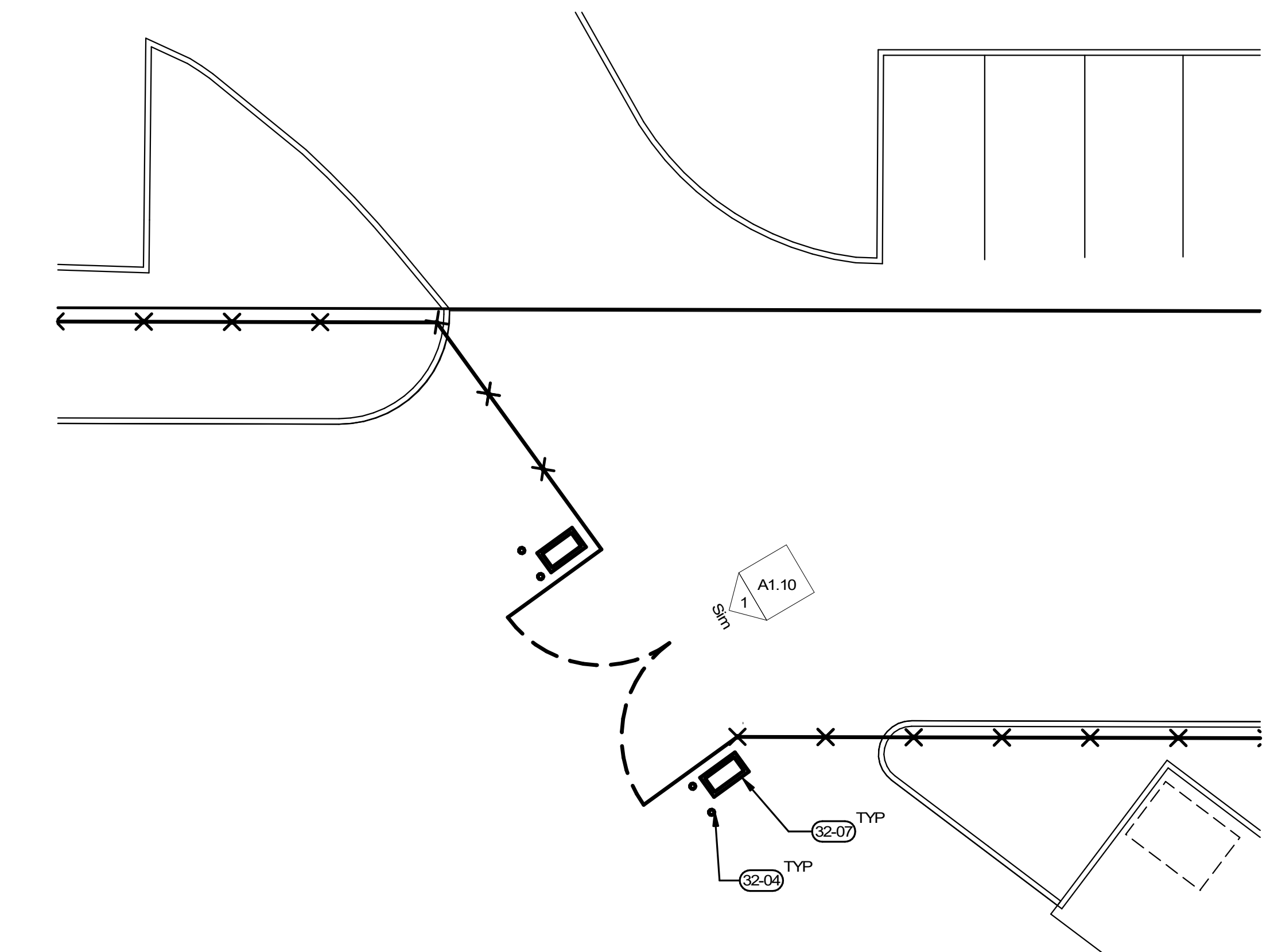
3 SITE PLAN
A1.10
1" = 30'-0"

KEYNOTES

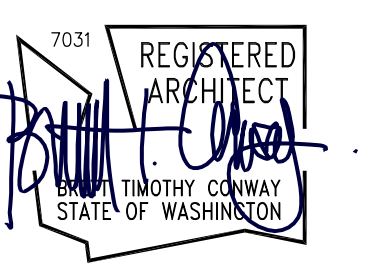
- 01-01 REFER TO LANDSCAPE PLANS IN SITE PERMIT DOCUMENTS FOR LANDSCAPE BUFFERS IN THIS AREA.
- 01-02 EXISTING PROPERTY LINE
- 01-03 PROPOSED NEW PROPERTY LINE
- 01-04 NEW SIDEWALK - REFER TO CIVIL DRAWINGS.
- 10-03 ADA PARKING SIGN
- 10-04 NO PARKING SIGN
- 10-06 DETECTABLE WARNINGS.
- 10-07 EV READY STALL.
- 25-04 TRANSFORMER
- 32-02 LANDSCAPE ISLAND.
- 32-03 (2) BIKE RACKS - SEE DETAILS 8 & 9/A5.13.
- 32-04 NEW ISLLAND - PAINT SAFETY YELLOW
- 32-07 NEW SECURITY GATE FOR FIRE APPARATUS ACCESS PER IFC 503.6. EMERGENCY VEHICLE GATE PER ASTM F 2290 W/UL 325 AUTOMATIC OPERATORS BATTERY BACKUP, KNOX OVERRIDE SWITCH, AND OPTICOM SENSOR FOR EMERGENCY VEHICLE PRE-EMPTION SYSTEM. OPTICOM SYSTEM SHALL BE COMPATIBLE WITH CITY EMITTER PRODUCTS AND CODES. SYSTEM TO BE FULLY COMPATIBLE WITH CITY OF PUYALLUP FIRE DEPARTMENT SITE ACCESS REQUIREMENTS AND THEIR SYSTEMS.
- 32-08 RETAINING WALL - SEE CIVIL PERMIT 2.



1 EV GATE ELEVATION
A1.10
1/2" = 1'-0"



2 SITE PLAN- EV GATE
A1.10
1" = 10'-0"



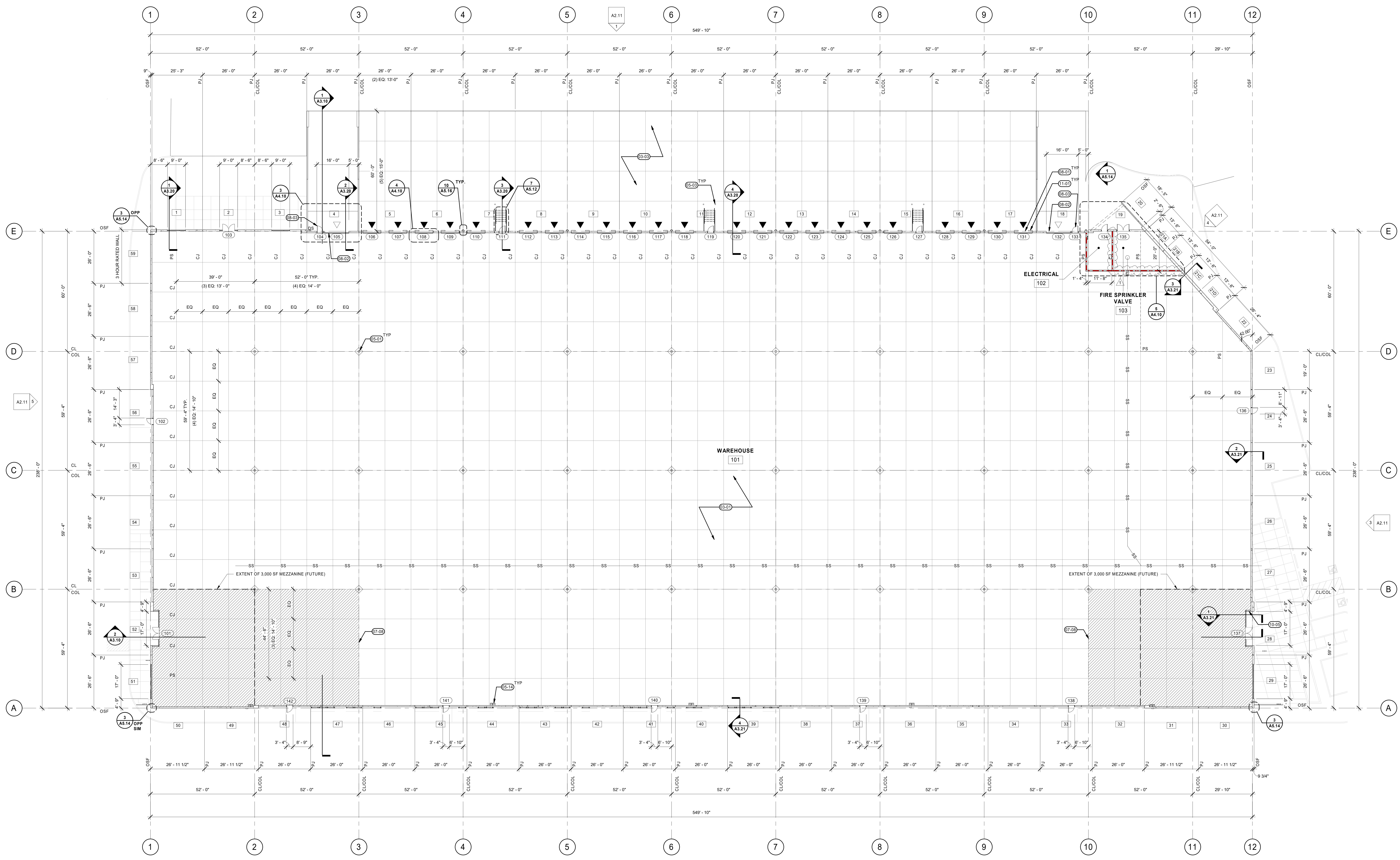
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REVISION SCHEDULE		
Date	Issued As	Issue Date
1	PLAN CHECK	11/07/23
2	PLAN CHECK	10/09/24

SHEET TITLE
SITE PLAN

SHEET

A1.10



1 FIRST FLOOR PLAN
 1/16" = 1'-0"

ARCHITECTURAL GENERAL NOTES

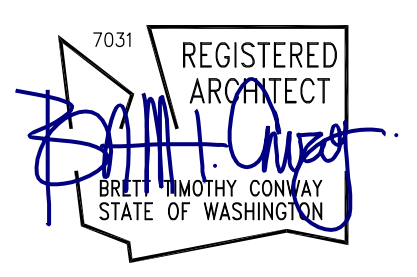
- A. SEE ARCHITECTURAL GENERAL NOTES ON A0.01 FOR MORE INFORMATION.
- B. SEE A6.10 FOR DOOR AND WINDOW SCHEDULE.
- C. ELECTRICAL SERVICE - 1600 AMP SERVICE.
- D. PROVIDE ADDITIONAL 4" CONDUITS TO PULL IN ADDITIONAL FEEDERS FROM THE TRANSFORMER TO THE SERVICE IN THE FUTURE FOR A TOTAL OF 4000 AMPS.
- E. ALL LIGHTING SHALL BE LED.
- F. BC 1006.2 PROVIDE EGRESS LIGHTING THROUGHOUT - 1 F.C. MIN.

KEYNOTES

- 03-01 REINFORCED CONCRETE SLAB PER STRUCTURAL, SEALED AND POLISHED WITH DAKTOL PENTRA-HARD FINISHER.
- 03-03 REINFORCED CONCRETE TRUCK APRON. SEE CIVIL DRAWINGS.
- 05-01 HSS COLUMN. SEE STRUCTURAL. PAINT SAFETY YELLOW TO 12' AFF.
- 05-03 BOLLARD. SEE DETAIL 15/A4.13.
- 05-14 DOWNSPOUT OVERFLOW. SEE DETAIL 11/A5.16.
- 07-08 PROVIDE 10 MIL CLASS "A" UNDERSLAB VAPOR BARRIER AT FUTURE OFFICE AREAS.
- 08-01 INSULATED OVERHEAD DOOR. PAINT TO MATCH BUILDING. SEE DOOR TYPES ON A6.10 FOR ADDITIONAL INFO.
- 08-02 INSULATED OVERHEAD DRIVE-IN DOOR. PAINT TO MATCH. SEE DOOR TYPES ON A6.10 FOR ADDITIONAL INFO.
- 08-03 INSULATED HM DOOR. SEE DOOR TYPES ON A6.10 FOR ADDITIONAL INFO.
- 10-05 PROVIDE AND INSTALL KNOXBOX - VERIFY WITH FIRE DEPARTMENT.
- 11-01 DOCK DOOR BUMPER.

LEGEND

- UNDER SLAB VAPOR BARRIER
- EXTENT OF (FUTURE) MEZZANINE ABOVE



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REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	PLAN CHECK	11/07/23

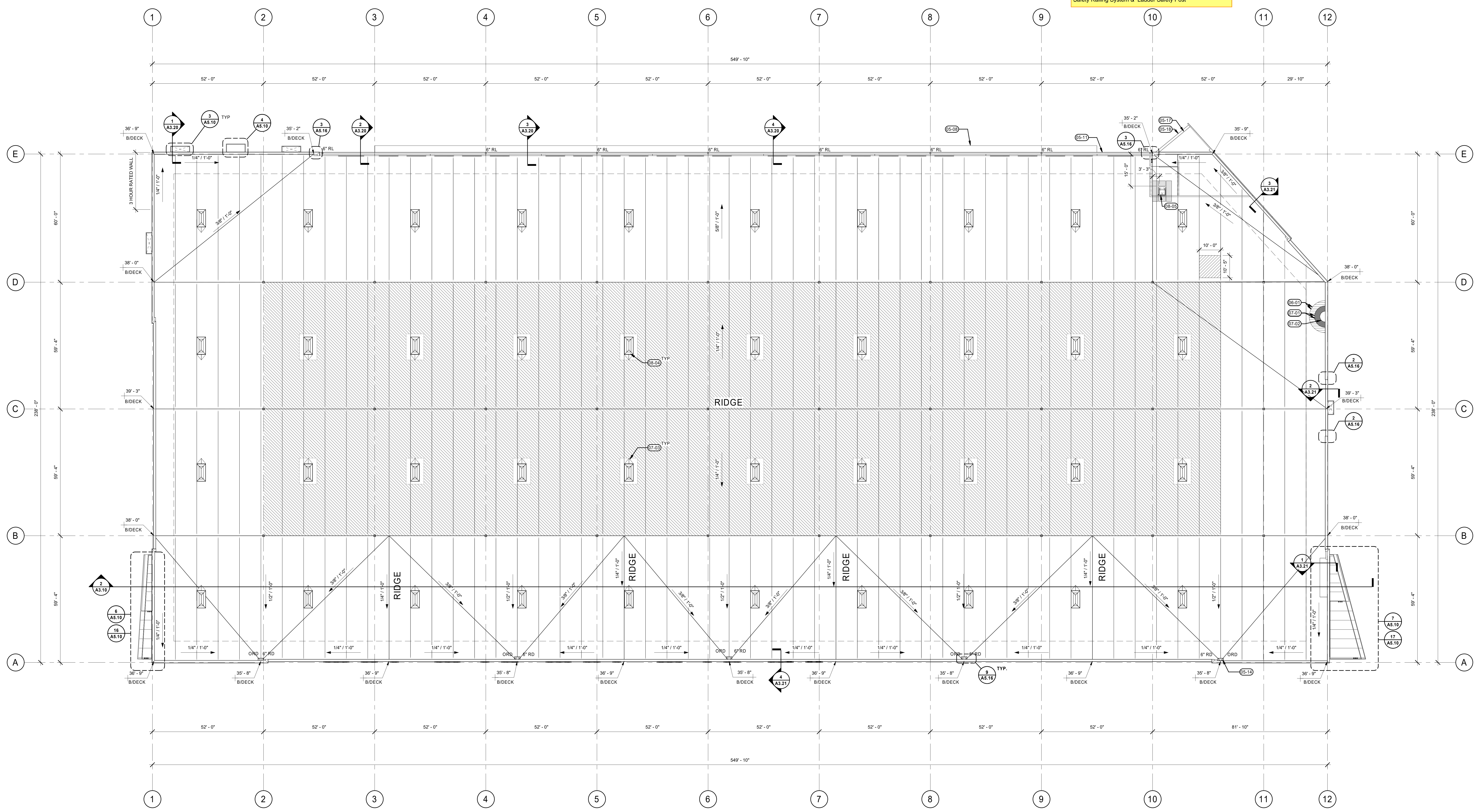
SHEET TITLE:
FIRST FLOOR PLAN

SHEET

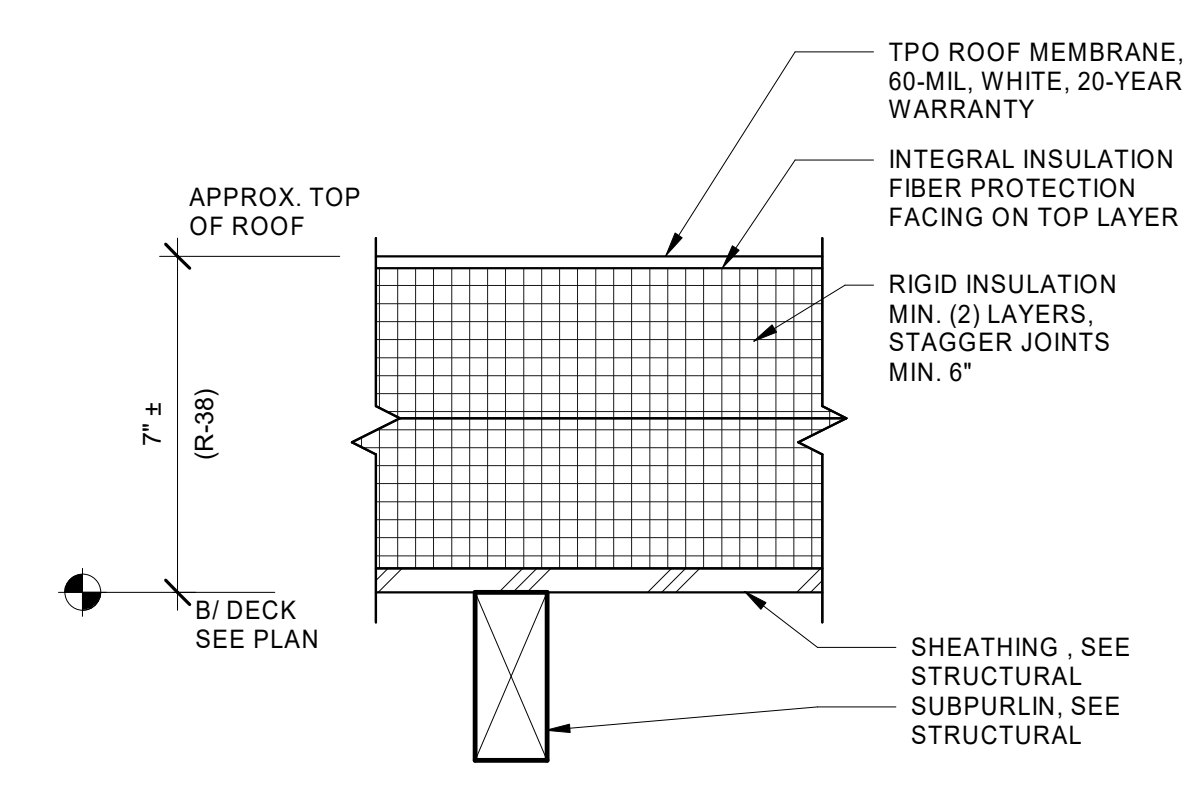
A1.11

JOB NO. **2220290.00**

See Project specifications Roof Accessories 07 72 00 - 3 / 4
Safety Railing System & Ladder Safety Post



1 ROOF PLAN
1/16" = 1'-0"



2 TYPICAL ROOF ASSEMBLY
3" = 1'-0"

- GENERAL NOTES**
- A. MAINTAIN 1/2" PER FOOT MINIMUM SLOPE THROUGHOUT ROOF.
 - B. ALL ROOF ELEVATIONS TO BOTTOM OF DECK.
 - C. WALKWAY PADS ARE SHOWN SCHEMATICALLY. WALKWAY PADS SHOULD BE PROVIDED AT AREAS SHOWN AND TO INCLUDE ALL EQUIPMENT INSTALLATIONS, DOORWAYS, STAIRLANDER LANDINGS, AND OTHER AREAS REQUIRING REGULAR MAINTENANCE.
 - D. CONTRACTOR TO PROVIDE COVERS, ENCLOSURES, AND/OR SEALANTS AT ALL ROOF PENETRATIONS, PIPES, CURBS, DUCTS, AND CONNECTIONS. COORDINATE AND REFER TO MECHANICAL/ELECTRICAL DISCIPLINES FOR ADDITIONAL INFORMATION.
 - E. PROVIDE SPLASHBLOCKS AT DOWNSPOUTS OF ALL ROOF ACCESSORY STRUCTURES.
 - F. SEE DETAIL 2A5.17 FOR PIPE/CONDUIT PENETRATIONS.
 - G. SEE DETAIL 3A5.17 FOR MECHANICAL UNIT CURBS.

- KEYNOTES**
- 05-08 BIDDER DESIGN: DOCK DOOR CANOPY. SEE DETAILS 14.15, & 16 ON SHEET A5.14.
 - 05-11 SHEET METAL GUTTERS, PAINT. SEE DETAIL 3A5.16.
 - 05-14 DOWNSPOUT OVERFLOW. SEE DETAIL 11A5.16.
 - 05-17 STEEL KICKER PER STRUCTURAL.
 - 05-18 METAL PANEL PAINT.
 - 06-01 WOOD DECKING. SEE STRUCTURAL DRAWINGS.
 - 07-01 RIGID INSULATION. SEE DETAIL 2A1.12.
 - 07-02 TPO SINGLE PLY ROOFING SYSTEM OVER INSULATION. SEE DETAIL 2A1.12.
 - 07-03 CRICKET AS REQUIRED FOR MIN. 1/4" PER FOOT SLOPE. SEE DETAIL 6A5.16.
 - 08-04 4" X 8" SKYLIGHT. SEE DETAIL 6A5.16.
 - 08-05 ROOF HATCH ACCESS. SEE DETAIL 6A5.17.

- LEGEND**
- SKYLIGHT WITH CRICKET AT HIGH SIDE 1/4" PER FT MIN SLOPE.
 - BUILT UP CRICKET, 1/4" MIN (SEE PLAN FOR ELEVATIONS)
 - SOLAR PANEL READY AREA
 - NOTE: SOLAR ZONE REQUIREMENTS: 40% OF CODE PRESCRIBED ROOF AREA TO BE DESIGN TO BE THE SOLAR ZONE AND READY FOR FUTURE PHOTOVOLTAIC OR SOLAR WATER HEATING SOLUTIONS. (150,000 SF ± 40% = 61,104 SF)
 - SOLAR PANEL INVERTER READY AREA
 - NOTE: INVERTER SPACE REQUIREMENTS: SPACE TO BE DESIGNED EITHER WITHIN THE SOLAR ZONE OR ADJACENT WITH MIN. 2 SF/1,000 SF OF SOLAR ZONE AREA. (51,104 SF/1,000 x 2 = 102 SF)
 - WALK PAD

REGISTERED ARCHITECT
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STATE OF WASHINGTON

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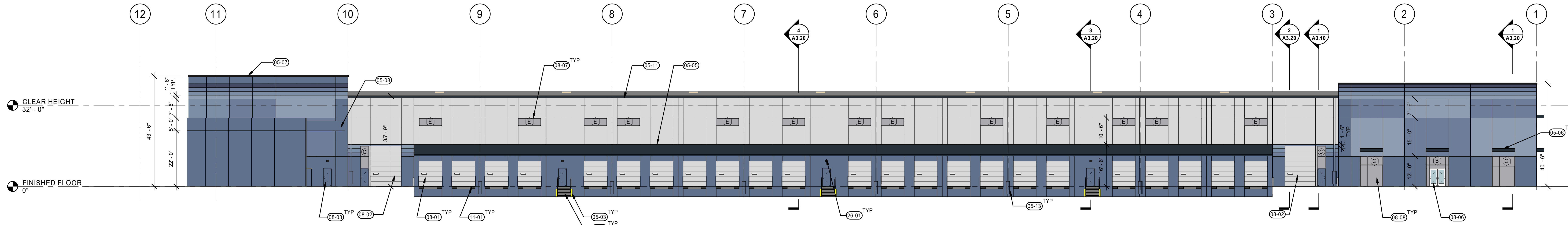
REVISION SCHEDULE		
Date	Issued As	Issue Date

SHEET TITLE:
ROOF PLAN

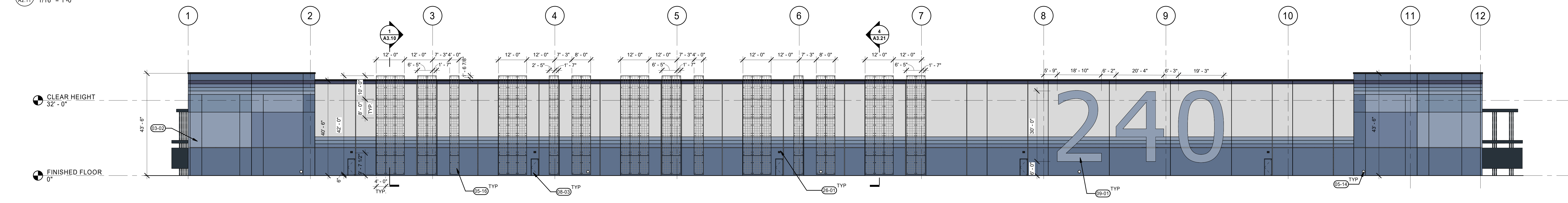
SHEET

A1.12

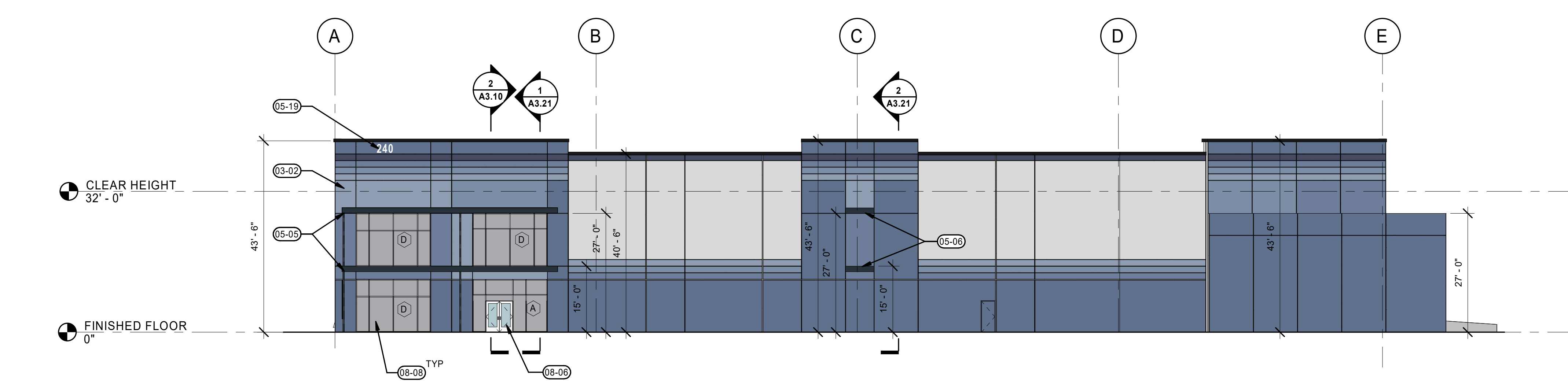
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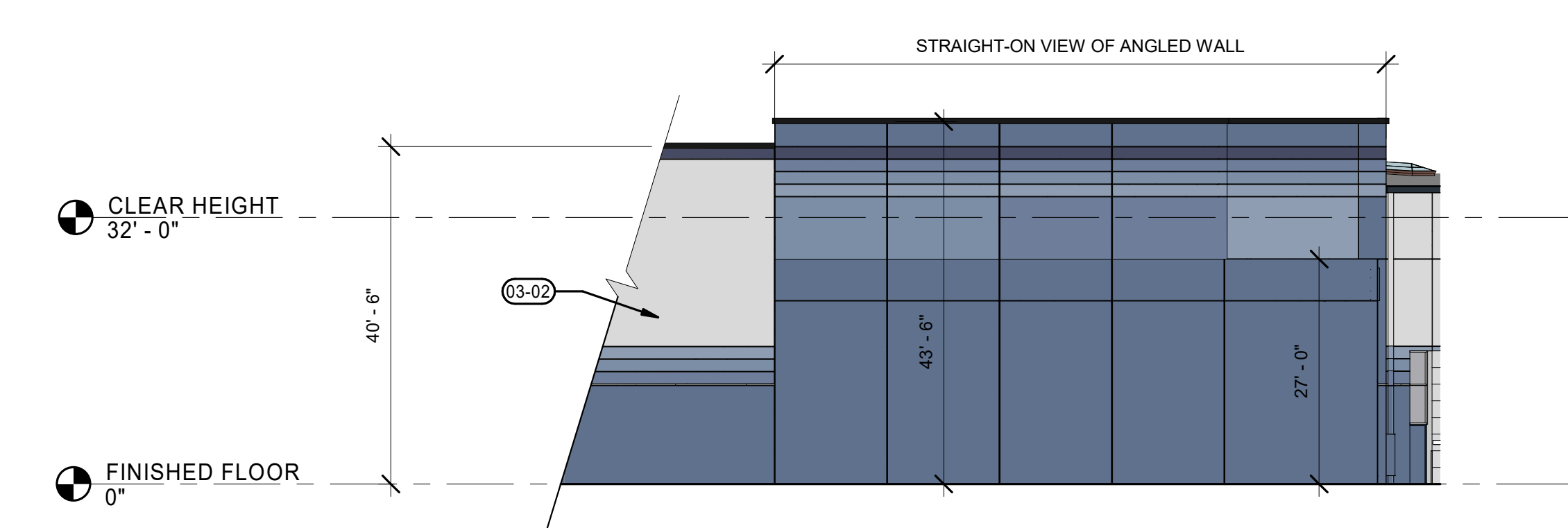
1 NORTH ELEVATION
A2.11 1/16" = 1'-0"



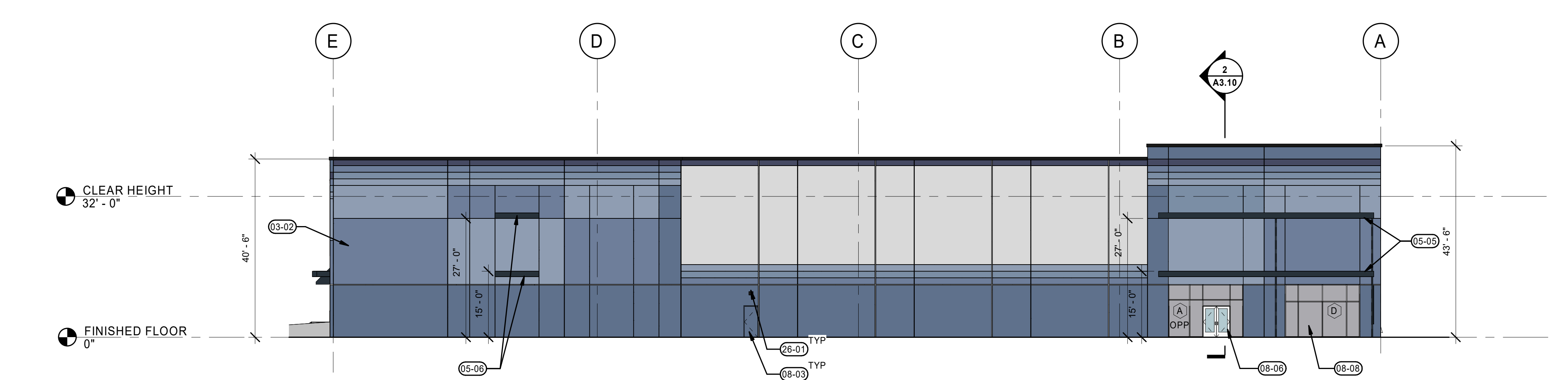
2 SOUTH ELEVATION
A2.11 1/16" = 1'-0"



3 EAST ELEVATION
A2.11 1/16" = 1'-0"



4 NORTHEAST ELEVATION
A2.11 1/16" = 1'-0"



5 WEST ELEVATION
A2.11 1/16" = 1'-0"

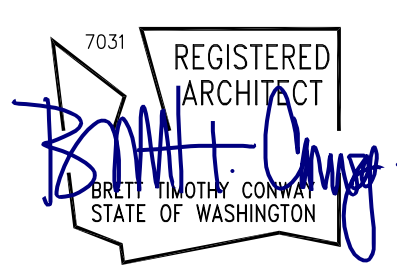
KEYNOTES

- 03-02 TILT-UP CONCRETE WALL. SEE STRUCTURAL. NO PAINT ON INTERIOR WALL.
- 03-03 BOLLARD. SEE DETAIL 15A5.13.
- 03-04 STEEL ACCESS STAIR, BY DESIGN BUILD.
- 03-05 METAL CANOPY. SEE SHEET DETAILS 9, 15, 18, & 19 ON SHEET A5.10.
- 03-06 METAL ACCENT DETAIL, PROJECTING FROM WALL. SEE DETAILS 9, 13, & 18 ON SHEET A5.10.
- 03-07 METAL COPING. SEE DETAIL 14A.18.
- 03-08 BOLDER DESIGN DOCK DOOR CANOPY. SEE DETAILS 14, 15, & 18 ON SHEET A5.14.
- 05-11 SHEET METAL GUTTER, PAINT. SEE DETAIL 3A5.16.
- 05-13 DOWNSPOUT GUARD, PAINT TO MATCH BUILDING BEHIND. SEE DETAIL 7A5.14.
- 05-14 DOWNSPOUT OVERFLOW. SEE DETAIL 11A5.16.
- 05-16 TRELIS PANEL SYSTEM. SEE DETAIL 16A5.13.
- 05-19 FIRE DEPARTMENT BUILDING ADDRESS. 24" TALL AND 1/2" THICK METAL LETTERS. COLOR WHITE.
- 08-01 INSULATED OVERHEAD DOOR. PAINT TO MATCH BUILDING. SEE DOOR TYPES ON A6.19 FOR ADDITIONAL INFO.
- 08-02 INSULATED OVERHEAD DRIVE-IN DOOR. PAINT TO MATCH. SEE DOOR TYPES ON A6.10 FOR ADDITIONAL INFO.
- 08-03 INSULATED HI DOOR. SEE DOOR TYPES ON A6.10 FOR ADDITIONAL INFO.
- 08-06 STOREFRONT ENTRY.
- 08-07 CLERESTORY GLAZING.
- 08-08 CLEAR ANODIZED ALUMINUM STOREFRONT SYSTEM.
- 09-01 BUILDING ADDRESS, PAINTED P-TBD.
- 11-01 DOCK DOOR BUMPER.
- 26-01 WALL MOUNTED EGRESS LIGHT BY ELECTRICAL.

PAINT LEGEND

- PAINT - PT1
SW 6523 WINDCHILL
- PAINT - PT2
SW 7619 DENIM
- PAINT - PT3
SW 7619 LABRADORITE
- PAINT - PT4
SW 6522 SPORTY BLUE
- PAINT - PT5
SW 9151 DAPHNE
- PAINT - PT6
SW 9176 DRESS BLUES
- PAINT - PT
SW 9179 ANCHORS AWEIGH

NOTE:
EXTERIOR WALL PAINT: LOXON XP OR ALTERNATE (ELASTOMERIC)



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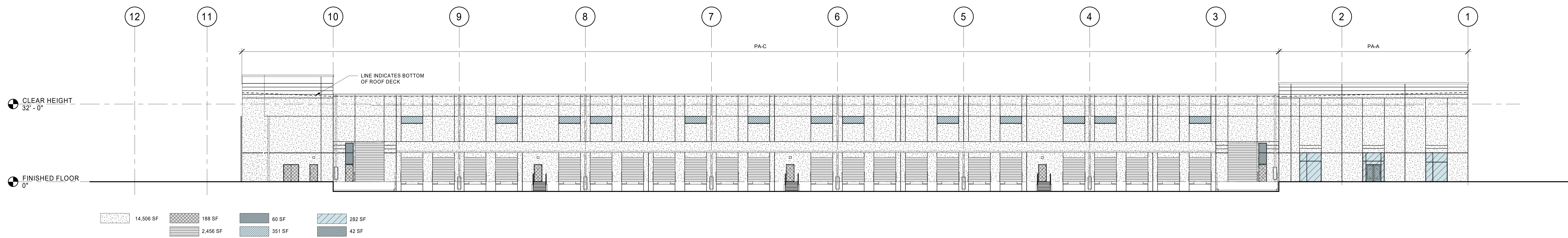
REVISION SCHEDULE		
Date	Issued As	Issue Date

SHEET TITLE:
BUILDING ELEVATIONS

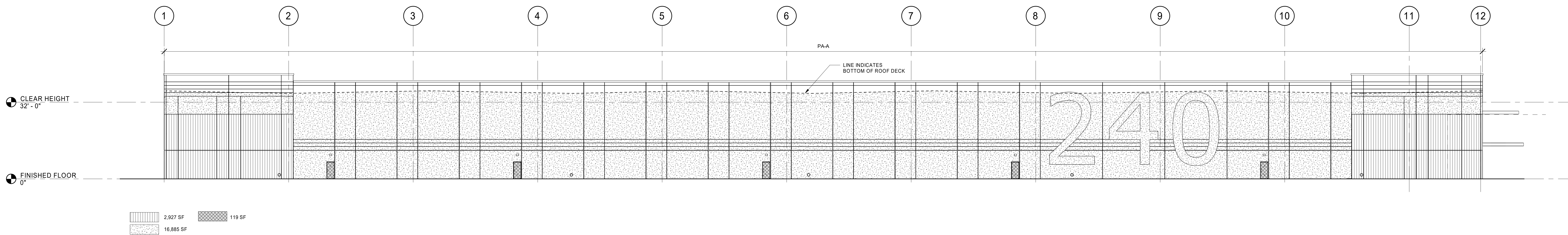
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A2.11

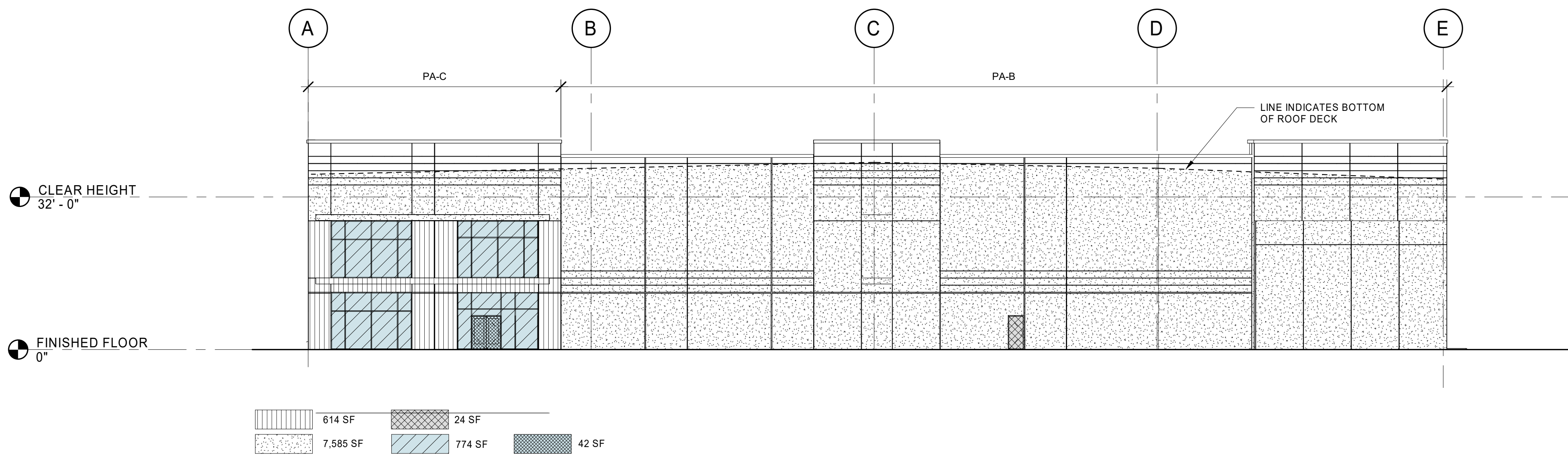
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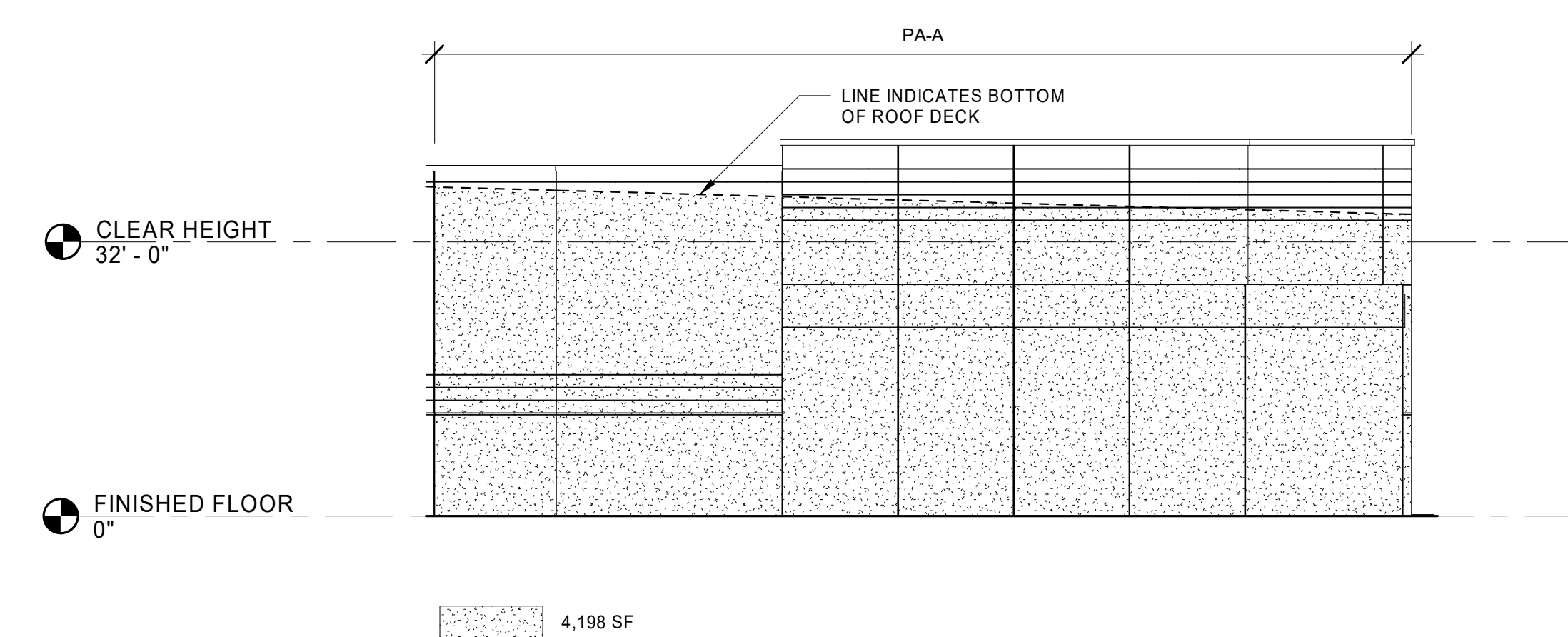
1 NORTH ELEVATION
1/16" = 1'-0"



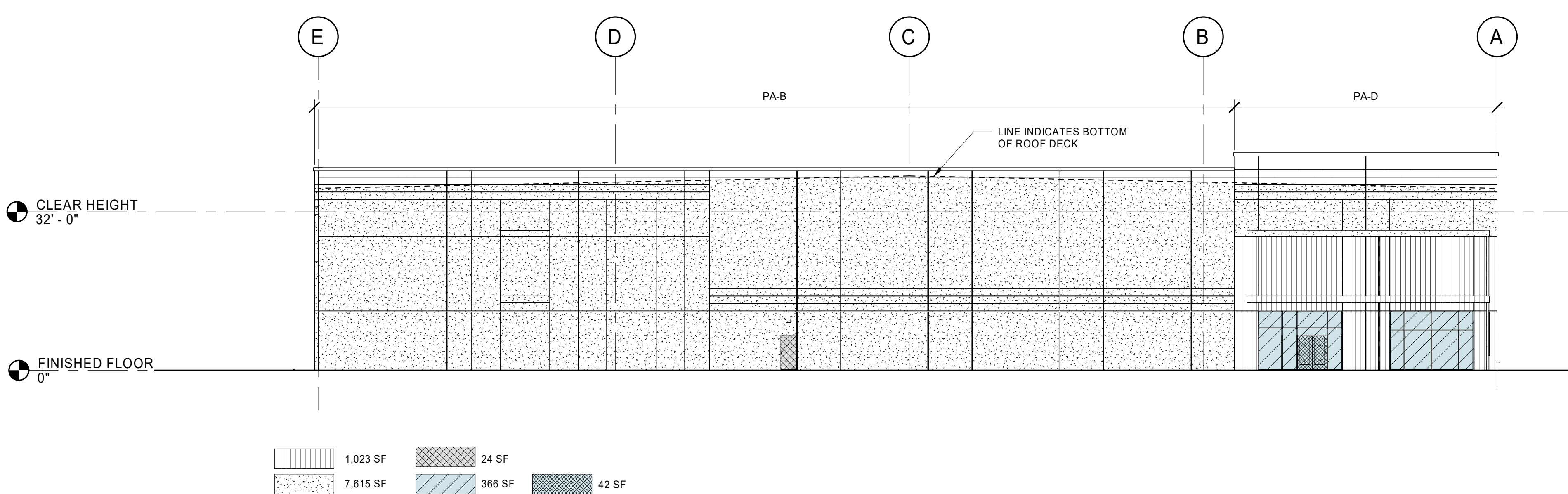
2 SOUTH ELEVATION
1/16" = 1'-0"



3 EAST ELEVATION
1/16" = 1'-0"



4 NORTHEAST ELEVATION
1/16" = 1'-0"



5 WEST ELEVATION
1/16" = 1'-0"

GENERAL NOTES

- A. SEE STRUCTURAL DRAWINGS FOR PANEL THICKNESS
- B. WALL INSULATION TO BE INSTALLED AS PART OF FUTURE TENANT IMPROVEMENT, SHOWN FOR CODE COMPLIANCE ONLY

- PA-A 8" PANEL - SEE STRUCTURAL DRAWINGS
- PA-B 8-3/4" PANEL - SEE STRUCTURAL DRAWINGS
- PA-C 9'-0" PANEL - SEE STRUCTURAL DRAWINGS
- PA-D 10" PANEL - SEE STRUCTURAL DRAWINGS

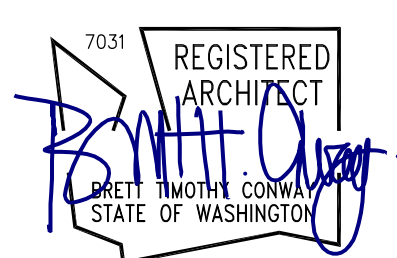
NOTE: THIS PROJECT IS A SEMI-HEATED BUILDING WITHOUT ELECTRIC RESISTANCE HEATING. THEREFORE THE FOLLOWING WA STATE ENERGY CODE PROVISION APPLIES: SECTION 402.1.2 - SEMI-HEATED SPACES HEATED BY MECHANICAL SYSTEMS THAT DO NOT INCLUDE ELECTRIC RESISTANCE HEATING EQUIPMENT ARE NOT REQUIRED TO COMPLY WITH THE OPAQUE WALL INSULATION PROVISIONS OF SECTION C402.2.3 FOR WALL THAT SEPARATE SEMI-HEATED SPACES FROM THE EXTERIOR OR LOW ENERGY SPACES.

BASE AND ADJUSTED "U" VALUES

OVERHEAD DOOR:	U=0.25
HW DOOR:	U=0.37 MAX
GLASS:	BASE U=0.29 SHGC=0.31
	(BASIS OF DESIGN: INSULATED SOLAR GREY W/ SOLARBAN 60 LOW E)
ADJUSTED U (REDUCED FOR "ASSEMBLY VALUE")	
GLASS AT STOREFRONT (61% GLASS)	U=0.38 MAX SHGC=0.295
GLASS AT TRANSOM (83.3% GLASS)	U=0.38 MAX SHGC=0.27
GLASS SF DOOR (69% GLASS)	U=0.60 MAX SHGC=0.24

LEGEND

CONCRETE WALL	46,591 SF
CONCRETE WALL WITH METAL STUD FURRING & BATT INSULATION U=0.055 (R-13)	4,664 SF
HOLLOW METAL DOORS U=0.37	356 SF
INSULATED OVERHEAD DOORS U=0.25	2,456 SF
STOREFRONT GLAZING U=0.38	1,422 SF
CLERESTORY WINDOWS U=0.29	351 SF
TRANSOM WINDOWS U=0.38	605 SF
STOREFRONT DOORS U=0.60	128 SF



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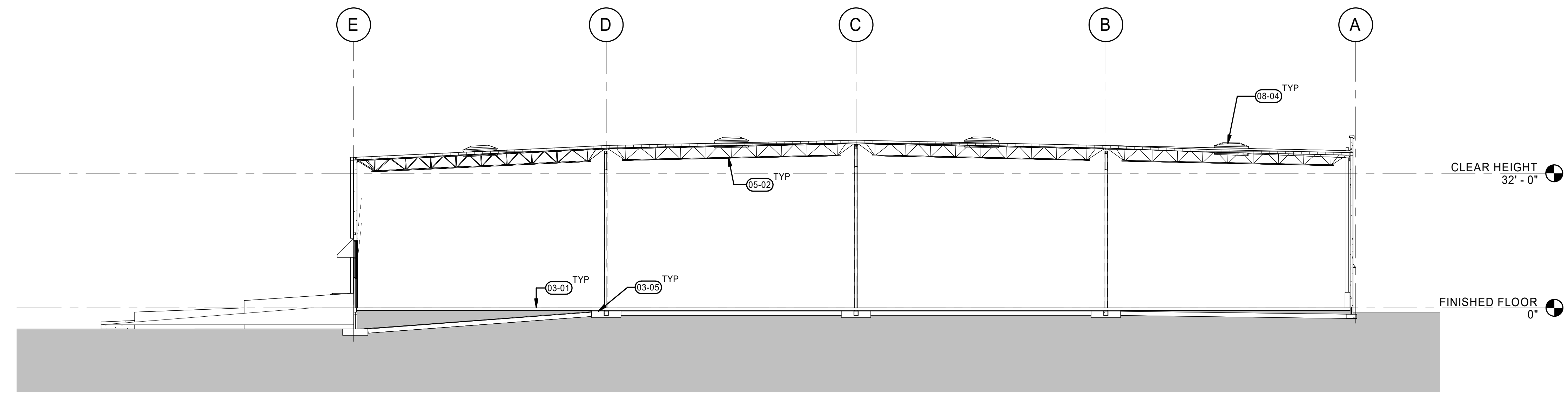
REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
BUILDING INSULATION ELEVATIONS

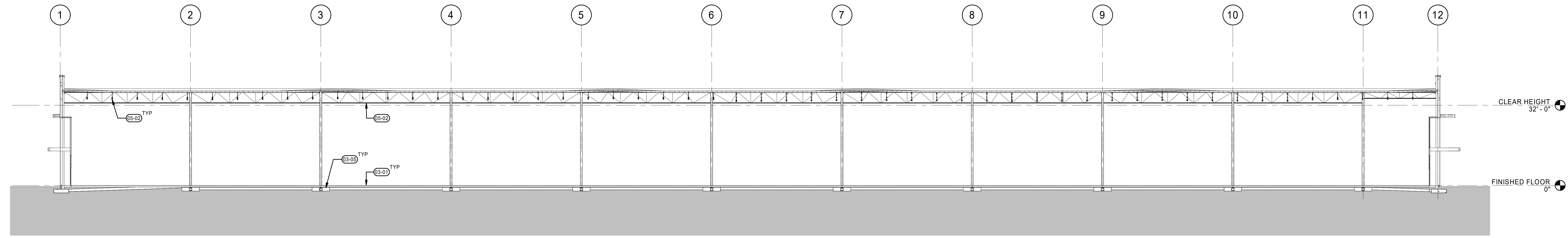
SHEET

A2.12

JOB NO. 2220290.00



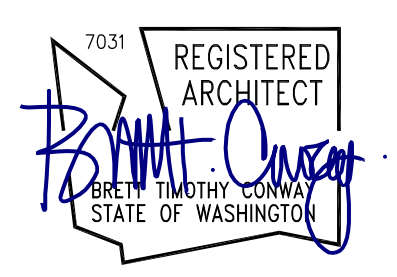
1 WALL SECTION
 A3.10 1/16" = 1'-0"



2 WALL SECTION
 A3.10 1/16" = 1'-0"

KEYNOTES

- 03-01 REINFORCED CONCRETE SLAB PER STRUCTURAL, SEALED AND POLISHED WITH DAYTON PENETRA-HARD FINISHER.
- 03-05 CONCRETE FOOTING, SEE STRUCTURAL FOR SIZE AND REINFORCING.
- 05-02 STEEL JOIST FRAMING, SEE STRUCTURAL FOR ADDITIONAL INFO.
- 08-04 4' X 8' SKYLIGHT, SEE DETAIL 6AS.15.



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REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
BUILDING SECTIONS

CANOPY GENERAL NOTES

- A. VERIFY AND CONFIRM ALL DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- B. SEE STRUCTURAL DRAWINGS FOR PANEL THICKNESS.

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Vancouver, WA
360.695.7879
Seattle, WA
206.499.9993
www.mckenzie.com

KEYNOTES

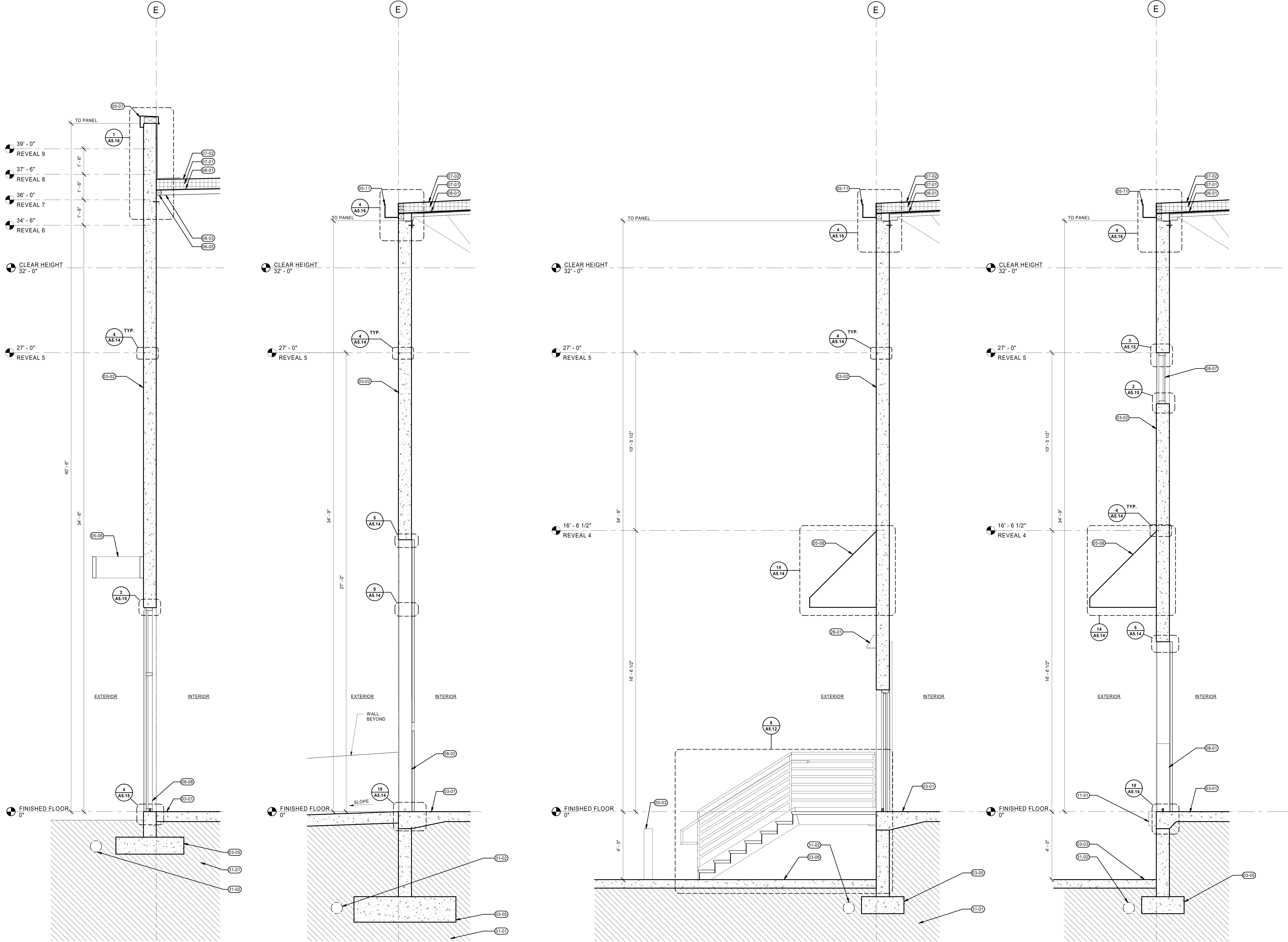
- 03-01 REINFORCED CONCRETE SLAB PER STRUCTURAL. SEALED AND POLISHED WITH DAYTON PENETRA-HARD FINISHER.
- 03-02 TILT-UP CONCRETE WALL. SEE STRUCTURAL. NO PAINT ON INTERIOR WALL.
- 03-03 REINFORCED CONCRETE TRUCK APRON. SEE CIVIL DRAWINGS.
- 03-05 CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING.
- 03-06 CONCRETE PAVING.
- 05-03 BOLLARD. SEE DETAIL 19AS.13.
- 05-03 METAL ACCENT DETAIL PROJECTING FROM WALL. SEE DETAILS 9, 13, & 18 ON SHEET AS.10.
- 05-07 METAL COPING. SEE DETAIL 19AS.16.
- 05-08 BIDDER-DESIGN: DOCK DOOR CANOPY. SEE DETAILS 14, 15, & 16 ON SHEET AS.14.
- 05-11 SHEET METAL GUTTER. PAINT. SEE DETAIL 3AS.16.
- 06-01 WOOD DECKING. SEE STRUCTURAL DRAWINGS.
- 06-03 SUB-PURLIN. SEE STRUCTURAL.
- 06-05 LEDGER. SEE STRUCTURAL.
- 07-01 RIGID INSULATION. SEE DETAIL 2A1.12.
- 07-02 TPO SINGLE PLY ROOFING SYSTEM OVER INSULATION. SEE DETAIL 2A1.12.
- 08-01 INSULATED OVERHEAD DOOR. PAINT TO MATCH BUILDING. SEE DOOR TYPES ON A8.10 FOR ADDITIONAL INFO.
- 08-02 INSULATED OVERHEAD DRIVE-IN DOOR. PAINT TO MATCH. SEE DOOR TYPES ON A8.10 FOR ADDITIONAL INFO.
- 08-07 CLERESTORY GLAZING.
- 08-08 CLEAR ANODIZED ALUMINUM STOREFRONT SYSTEM.
- 11-01 DOCK DOOR BUMPER.
- 26-01 WALL MOUNTED EGRESS LIGHT BY ELECTRICAL.
- 31-01 REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE PREPARATION FOR CONSTRUCTION.
- 31-02 FOOTING DRAINS AS PRESCRIBED BY GEOTECHNICAL REPORT. REFER TO CIVIL DRAWINGS.

MACKENZIE
ARCHITECTURE - INTERIORS
PLANNING - ENGINEERING

Client
CREF3 PUYALLUP OWNER LLC
11611 SAN VICENTE BLVD.
10TH FLOOR
LOS ANGELES, CA 90049

Project
FORTRESS - PUYALLUP
240 15TH ST SE
PUYALLUP, WA 98372

Mechanical/Electrical

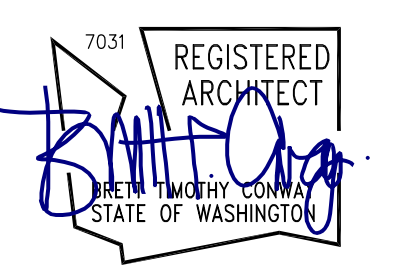


1 NORTH ENTRY WALL SECTION
A3.20 1/2" = 1'-0"

2 DOCK RAMP WALL SECTION
A3.20 1/2" = 1'-0"

3 DOCK STAIR WALL SECTION
A3.20 1/2" = 1'-0"

4 DOCK DOOR WALL SECTION
A3.20 1/2" = 1'-0"



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REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
WALL SECTIONS

SHEET

A3.20

JOB NO. **2220290.00**

CANOPY GENERAL NOTES

- A. VERIFY AND CONFIRM ALL DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- B. SEE STRUCTURAL DRAWINGS FOR PANEL THICKNESS.

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KEYNOTES

- 03-01 REINFORCED CONCRETE SLAB PER STRUCTURAL. SEALED AND POLISHED WITH DAYTON PENETRA-HARD FINISHER.
- 03-02 TILT-UP CONCRETE WALL. SEE STRUCTURAL. NO PAINT ON INTERIOR WALL.
- 03-05 CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING.
- 03-06 CONCRETE PAVING.
- 05-07 METAL COPING. SEE DETAIL 1/A5.16.
- 05-08 BIDDER-DESIGN. DOOR CANOPY. SEE DETAILS 14, 15, & 16 ON SHEET A3.14.
- 05-16 TRELLIS PANEL SYSTEM. SEE DETAIL 16/A5.13.
- 06-01 WOOD DECKING. SEE STRUCTURAL DRAWINGS.
- 06-03 SUB-PURLIN. SEE STRUCTURAL.
- 06-05 LEDGER. SEE STRUCTURAL.
- 07-01 RIGID INSULATION. SEE DETAIL 2/A1.12.
- 07-02 TPO SINGLE PLY ROOFING SYSTEM OVER INSULATION. SEE DETAIL 2/A1.12.
- 07-08 PROVIDE 10 MIL CLASS "A" UNDERSLAB VAPOR BARRIER AT FUTURE OFFICE AREAS.
- 08-06 STOREFRONT ENTRY.
- 31-01 REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE PREPARATION FOR CONSTRUCTION.
- 31-02 FOOTING DRAINS AS PRESCRIBED BY GEOTECHNICAL REPORT. REFER TO CIVIL DRAWINGS.

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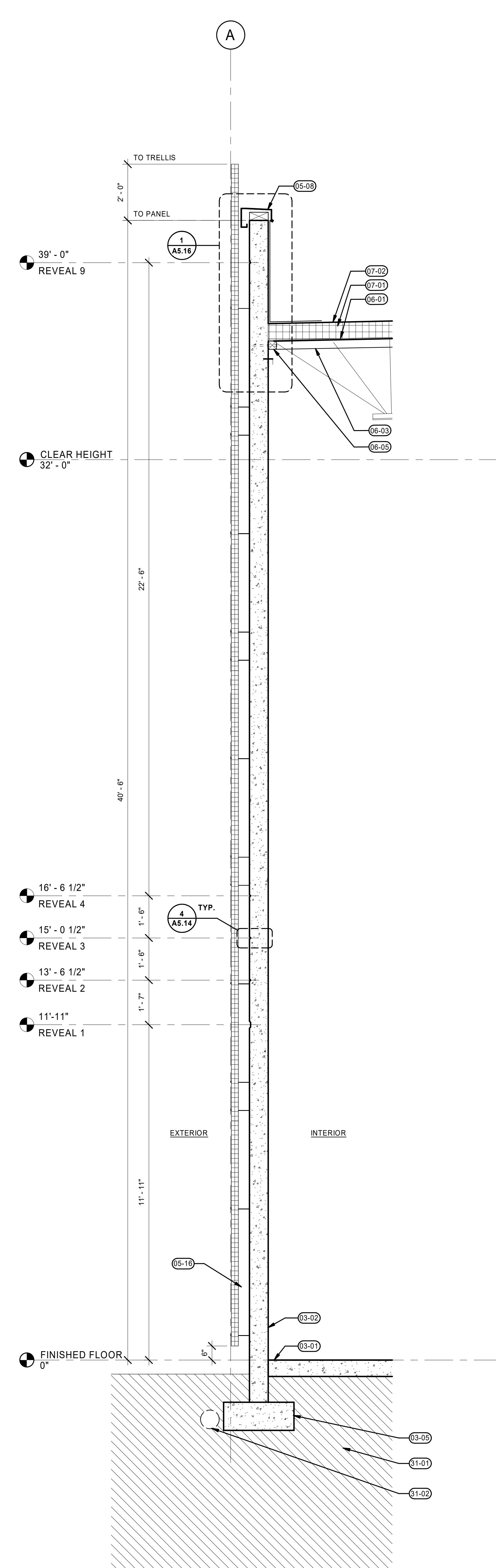
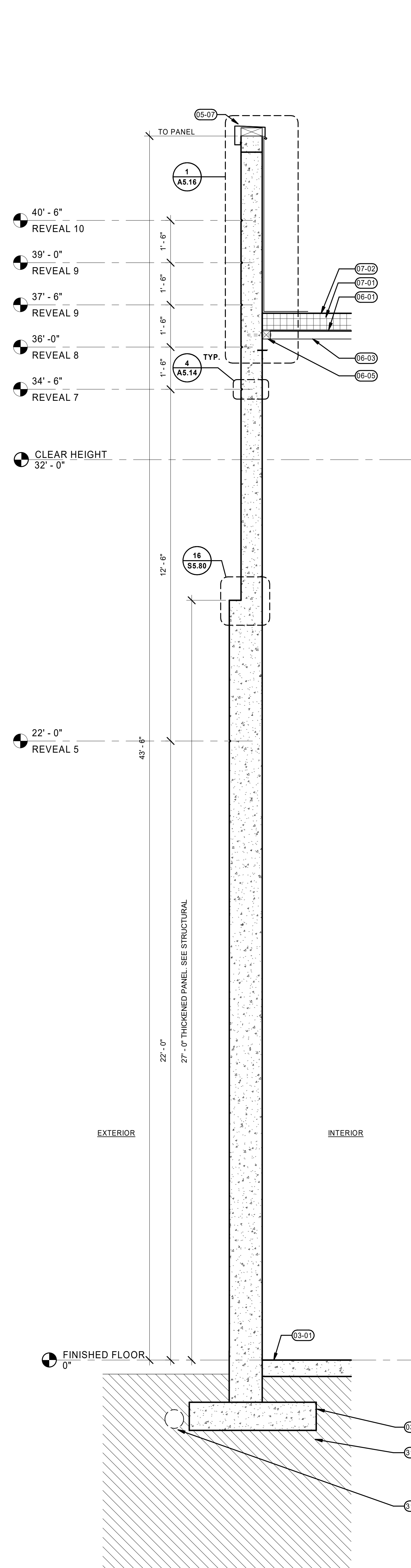
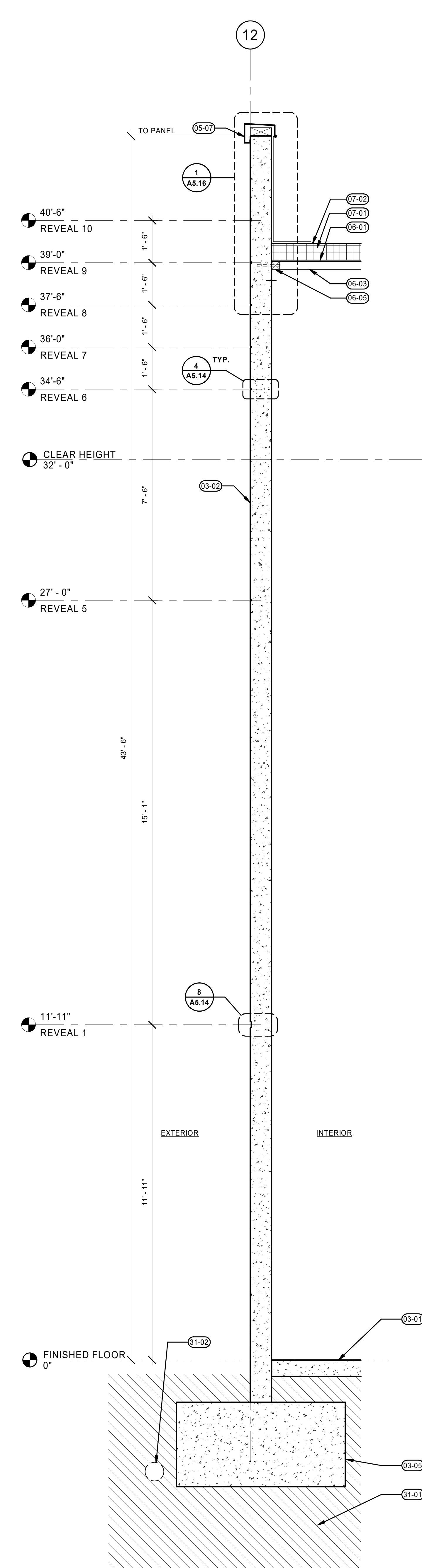
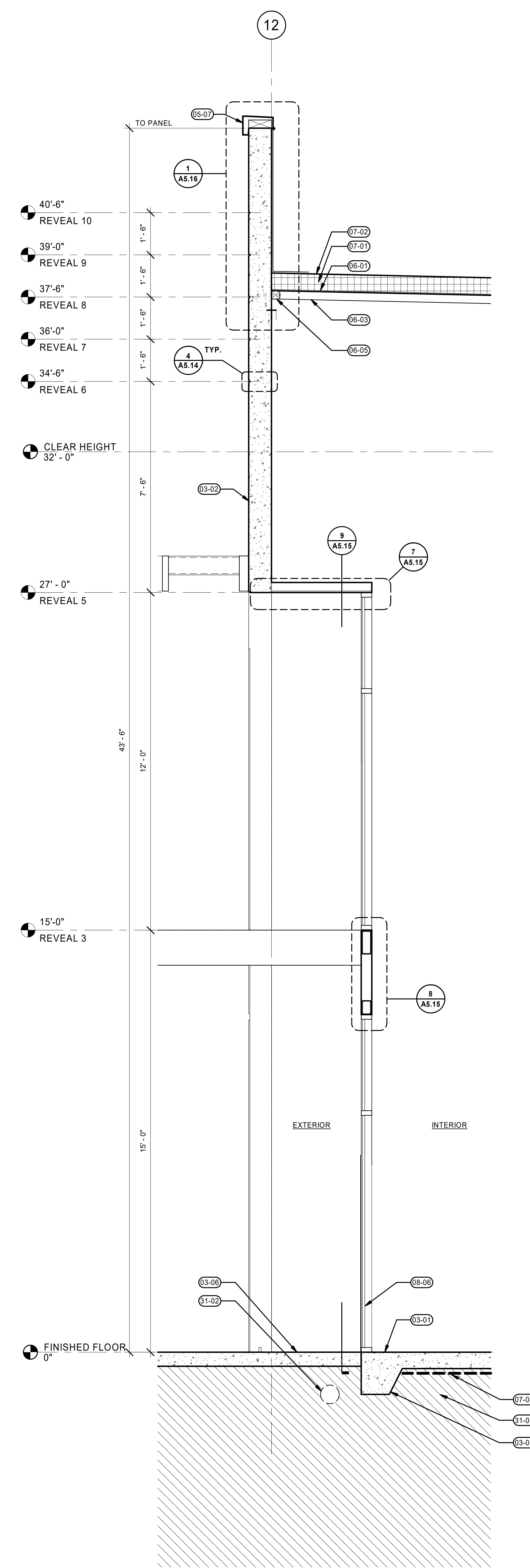
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Project

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Mechanical/Electrical

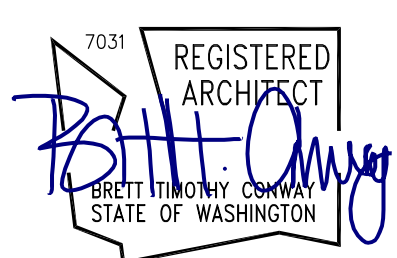


1 EAST ENTRY WALL SECTION
A3.21 1/2" = 1'-0"

2 TYPICAL TILT-UP WALL SECTION
A3.21 1/2" = 1'-0"

3 NORTHEAST WALL SECTION
A3.21 1/2" = 1'-0"

4 TRELLIS PANEL WALL SECTION
A3.21 1/2" = 1'-0"



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Date	Issued As	Issue Date

SHEET TITLE:
WALL SECTIONS

SHEET

A3.21

JOB NO. 2220290.00

CANOPY GENERAL NOTES

- A. VERIFY AND CONFIRM ALL DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- B. SEE STRUCTURAL DRAWINGS FOR PANEL THICKNESS.

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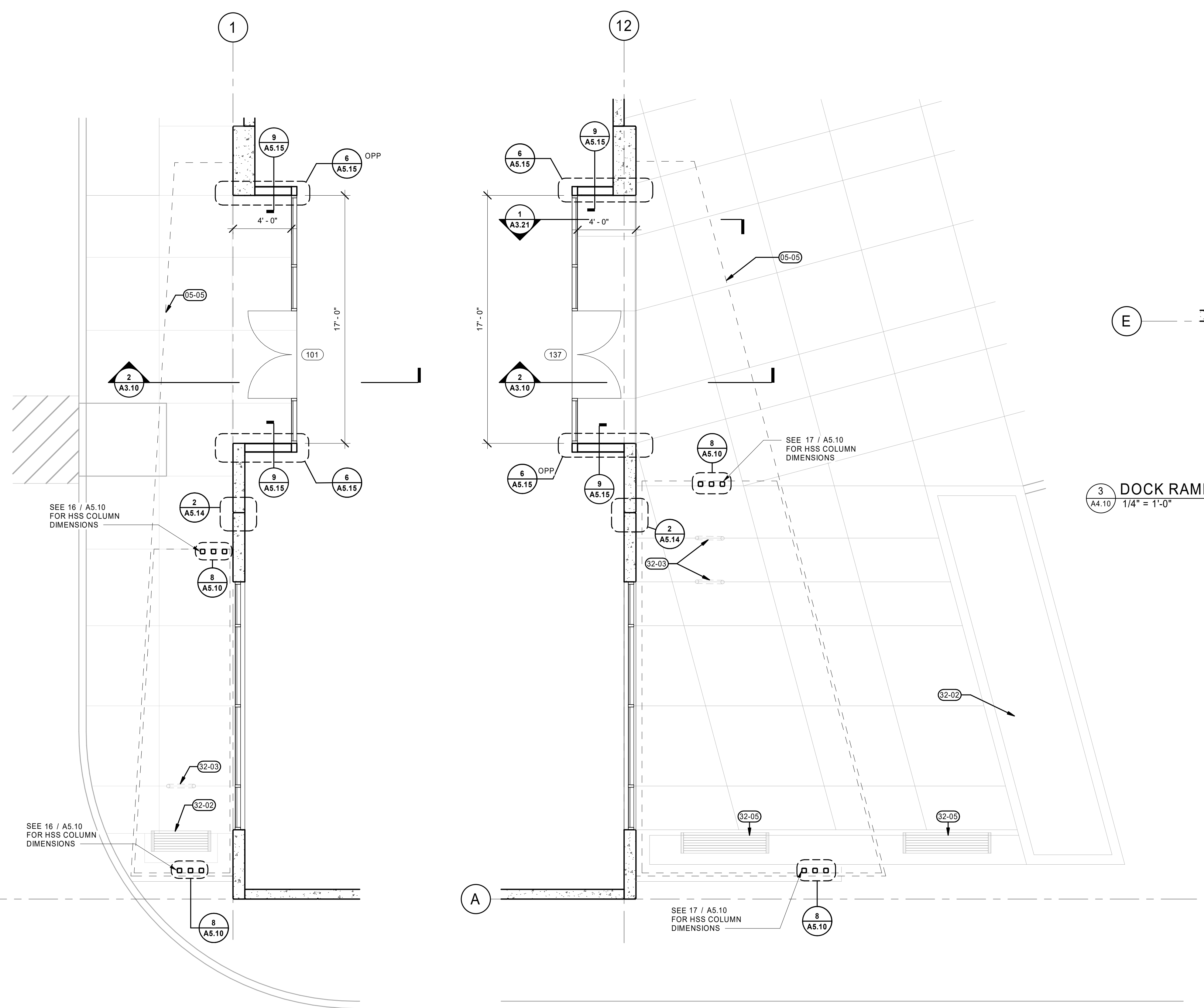
Project

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Mechanical/Electrical

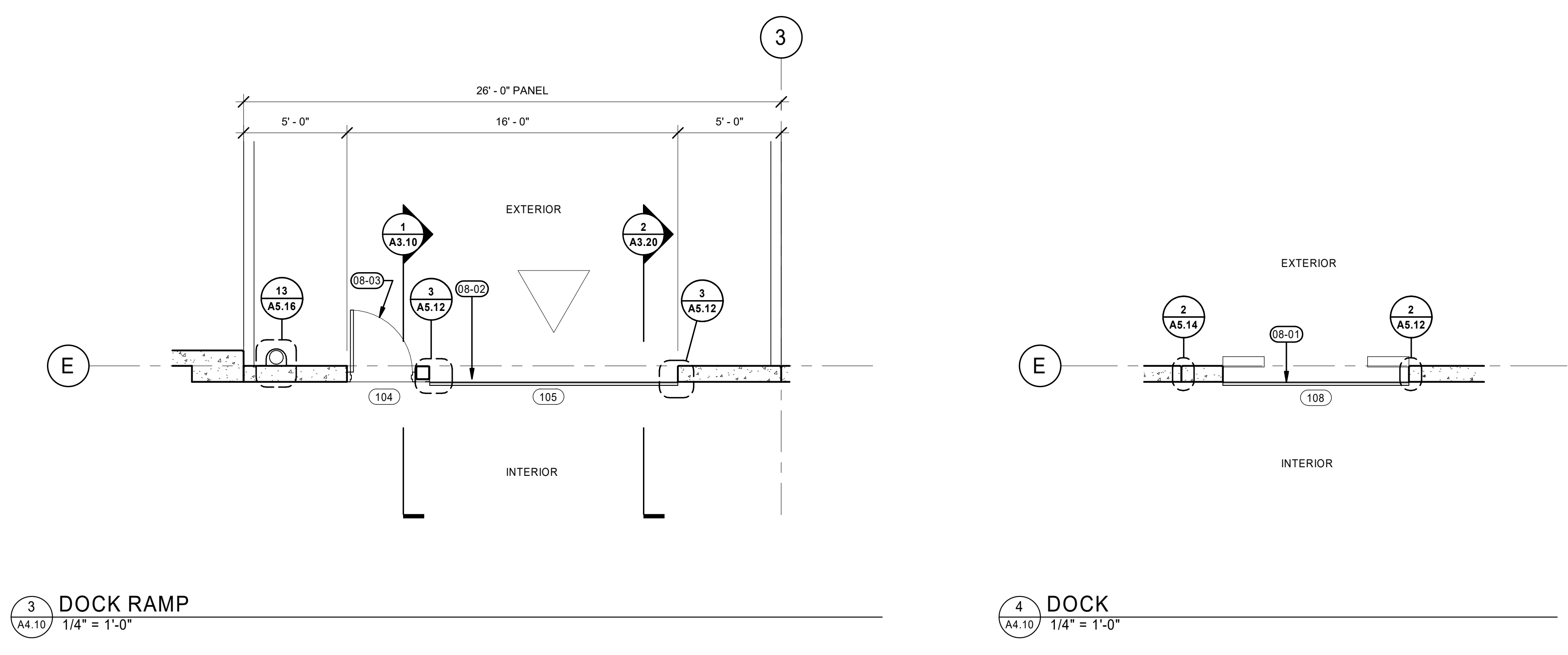
KEYNOTES

- 05-05 METAL CANOPY. SEE SHEET DETAILS 9, 15, 16, & 19 ON SHEET A5.10.
- 08-01 INSULATED OVERHEAD DOOR. PAINT TO MATCH BUILDING. SEE DOOR TYPES ON A6.10 FOR ADDITIONAL INFO.
- 08-02 INSULATED OVERHEAD DRIVE-IN DOOR. PAINT TO MATCH. SEE DOOR TYPES ON A6.10 FOR ADDITIONAL INFO.
- 08-03 INSULATED HM DOOR. SEE DOOR TYPES ON A6.10 FOR ADDITIONAL INFO.
- 32-02 LANDSCAPE ISLAND.
- 32-03 (2) BIKE RACKS - SEE DETAILS 8 & 9/A5.13.
- 32-05 CAST IN PLACE CONCRETE WITH WOOD BENCH TOPPERS. SEE LANDSCAPE.



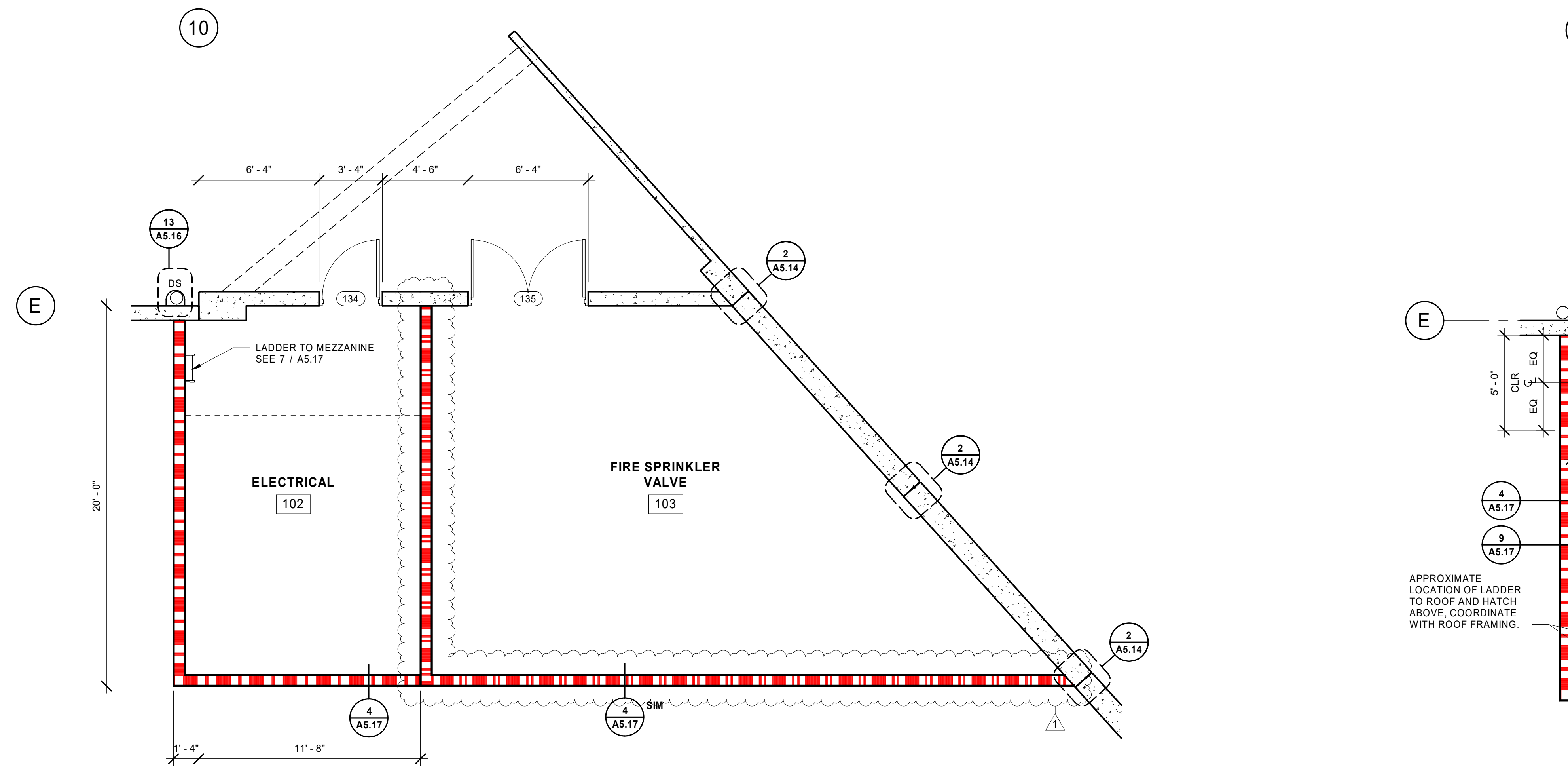
1 WEST ENTRY
A4.10 1/4" = 1'-0"

2 EAST ENTRY
A4.10 1/4" = 1'-0"

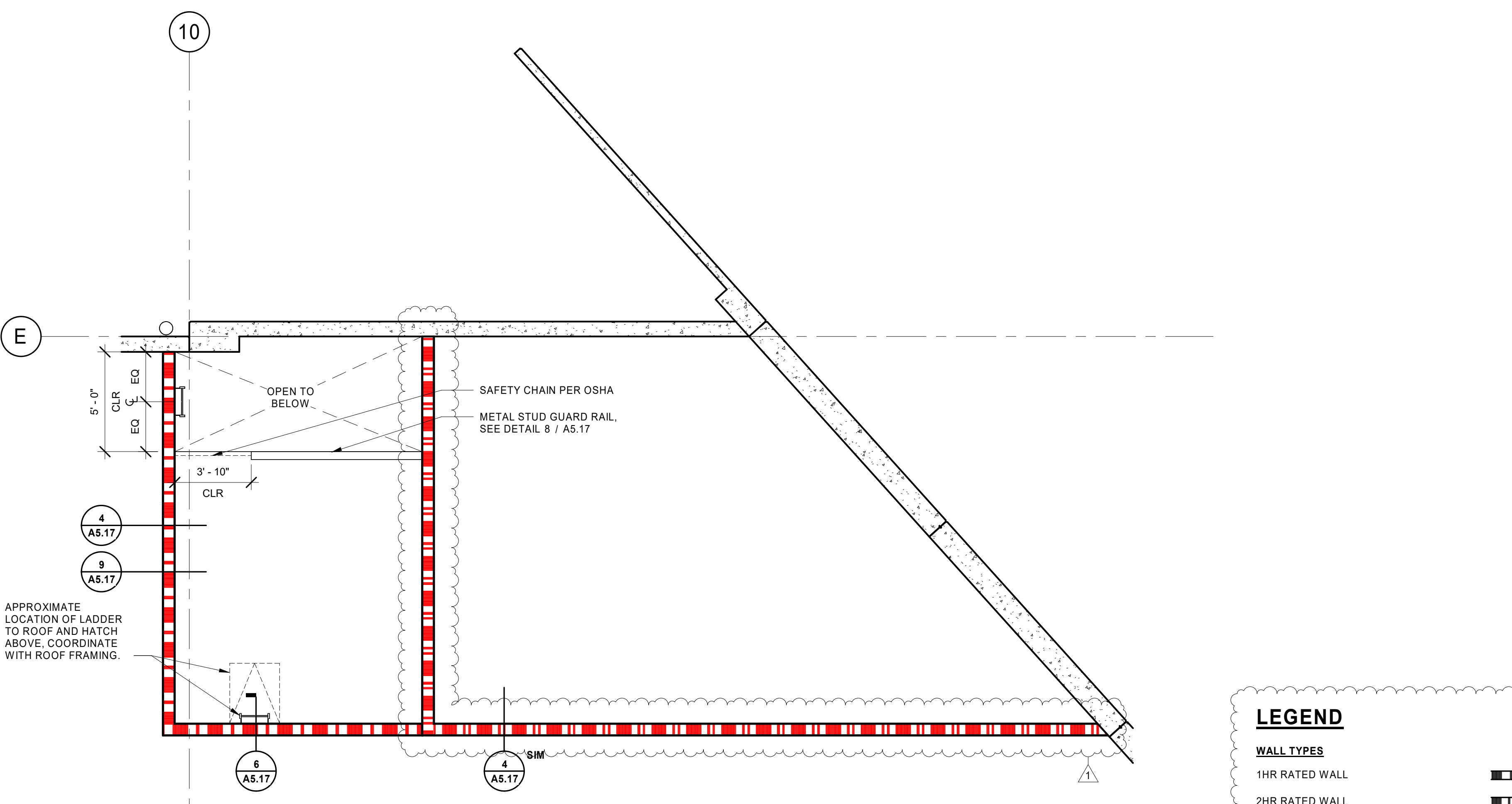


3 DOCK RAMP
A4.10 1/4" = 1'-0"

4 DOCK
A4.10 1/4" = 1'-0"



5 ELECTRICAL ROOM AND FIRE SPRINKLER
A4.10 1/4" = 1'-0"



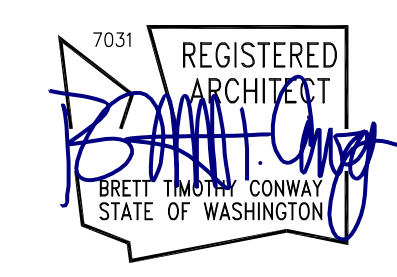
6 MEZZANINE
A4.10 1/4" = 1'-0"

LEGEND

WALL TYPES

- 1HR RATED WALL
- 2HR RATED WALL
- CONCRETE TILT-UP PANEL. SEE STRUCTURAL

SEE SHEET A0.01 FOR ADDITIONAL INFO



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REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	PLAN CHECK	11/07/23

SHEET TITLE:
ENLARGED PLANS

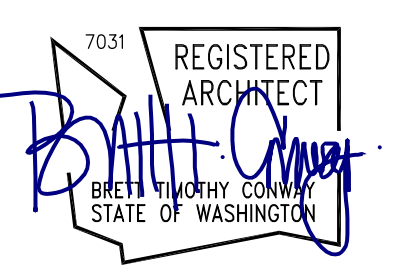
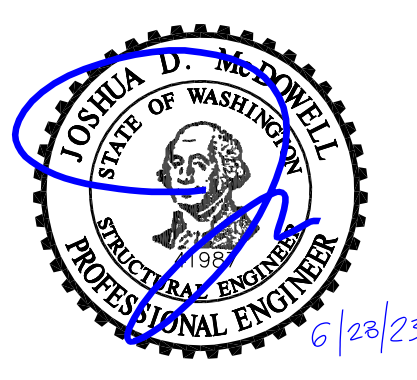
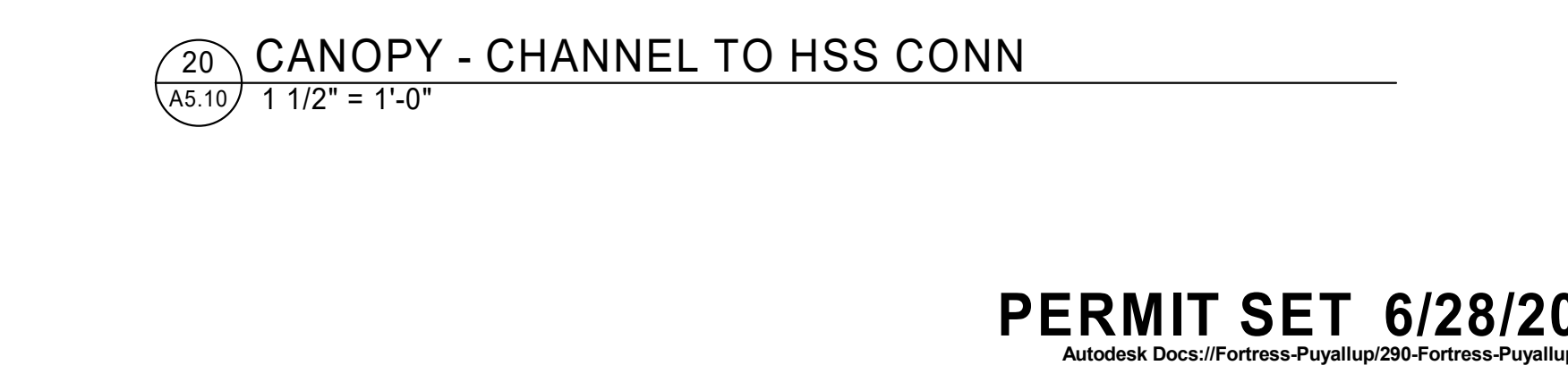
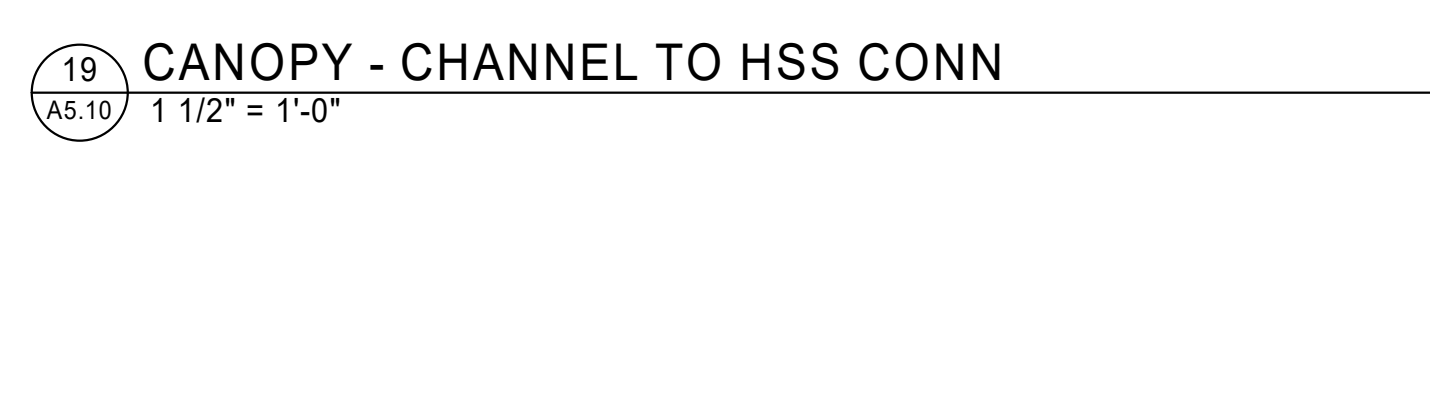
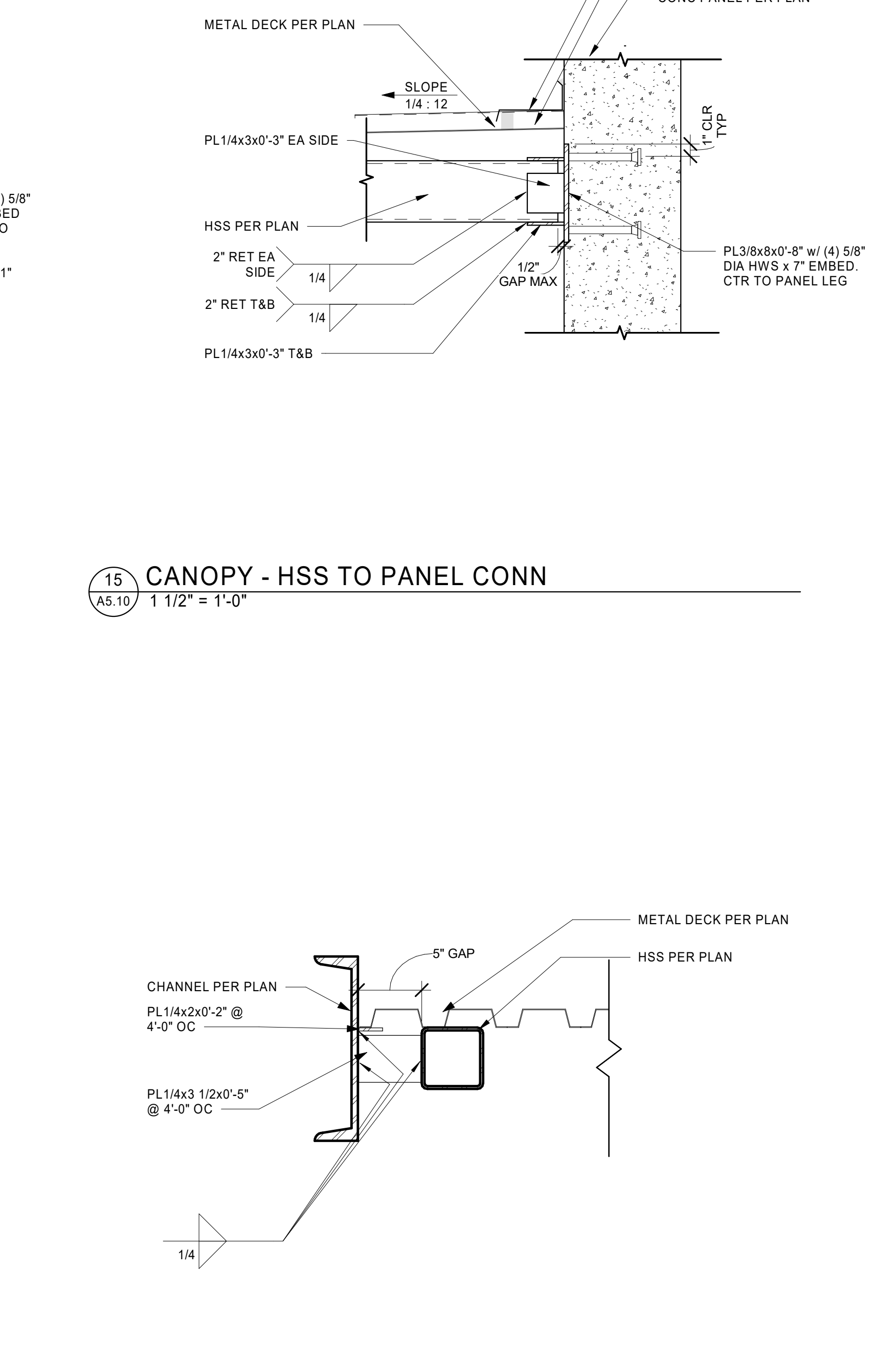
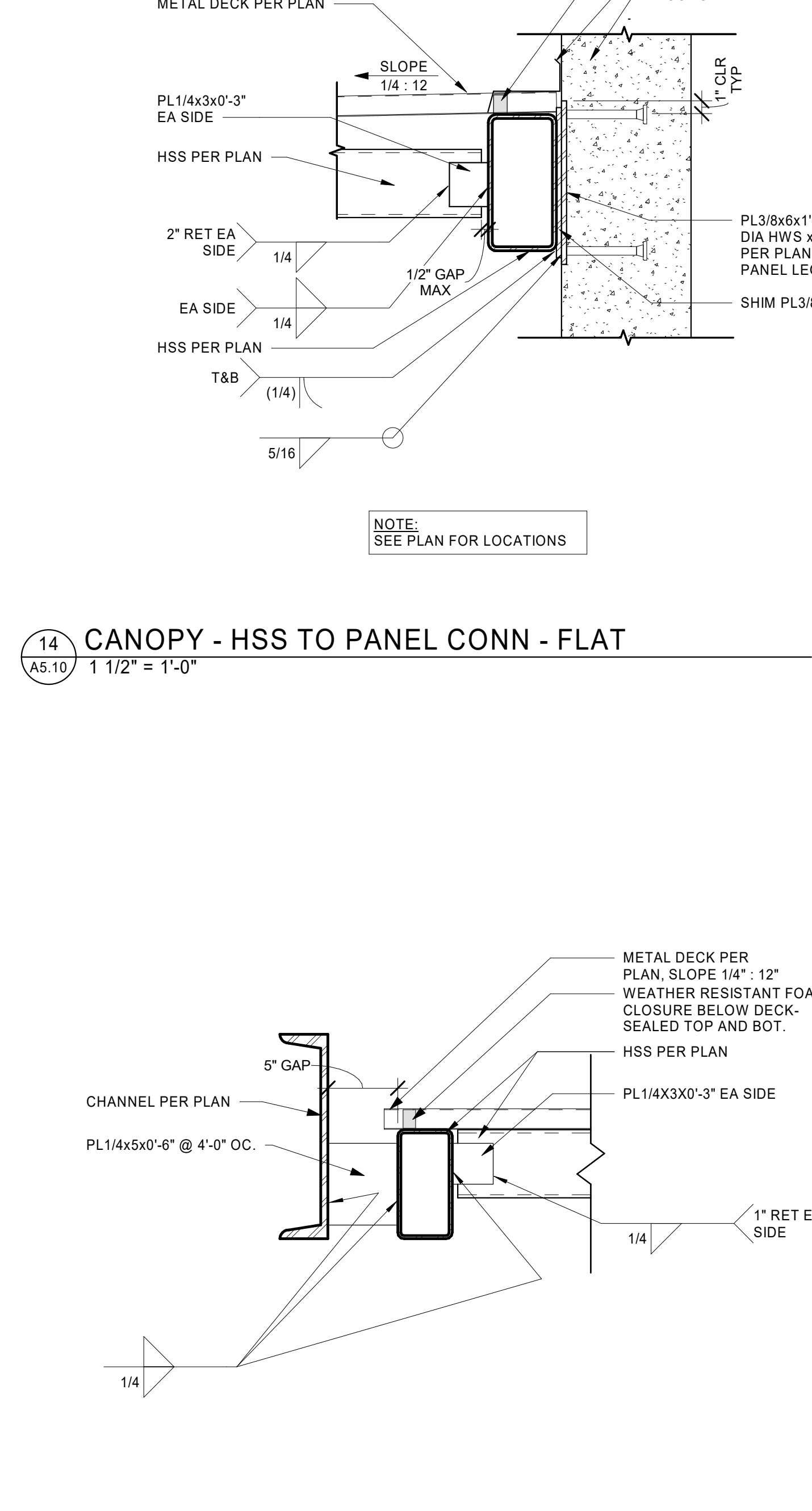
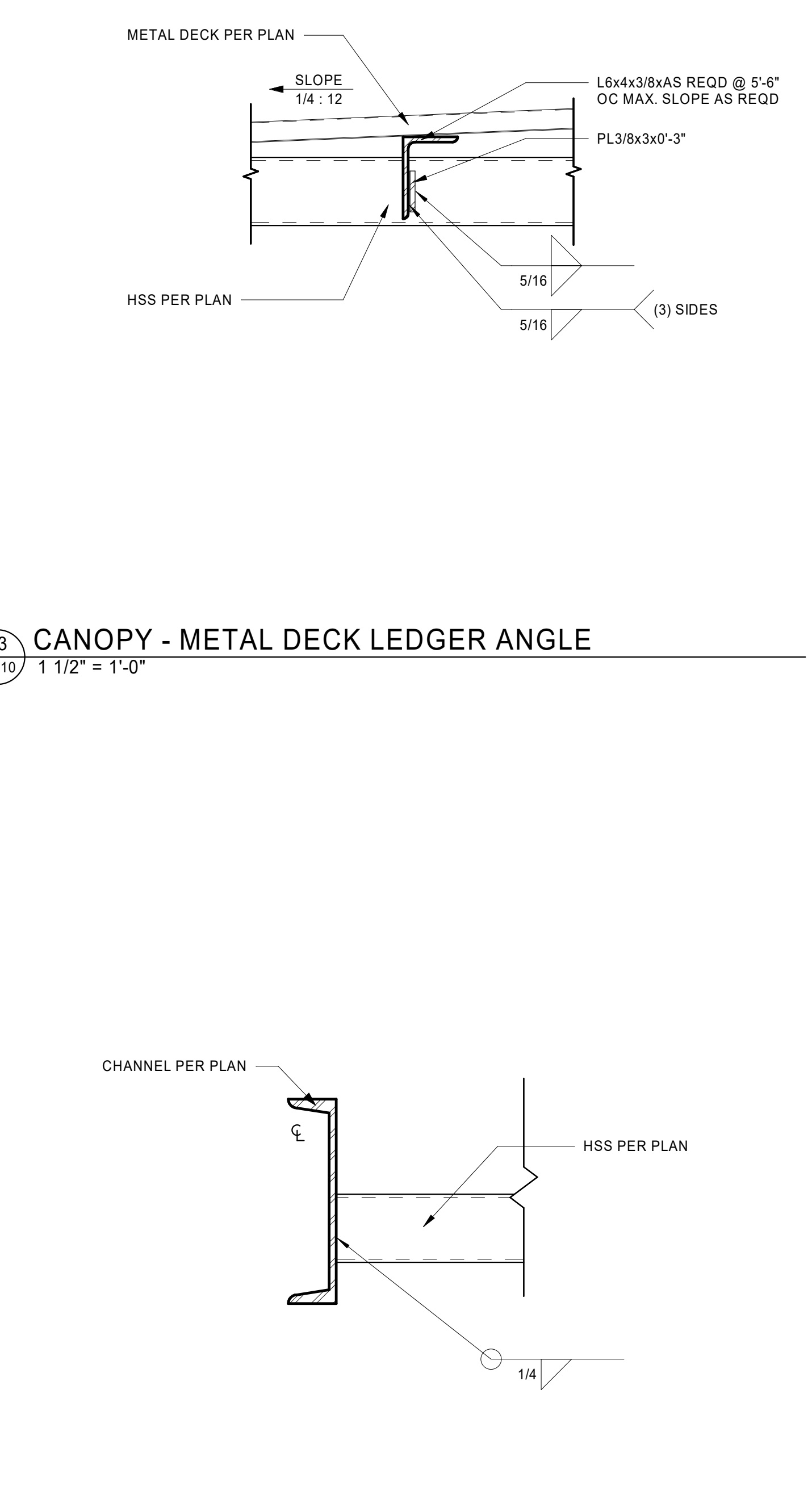
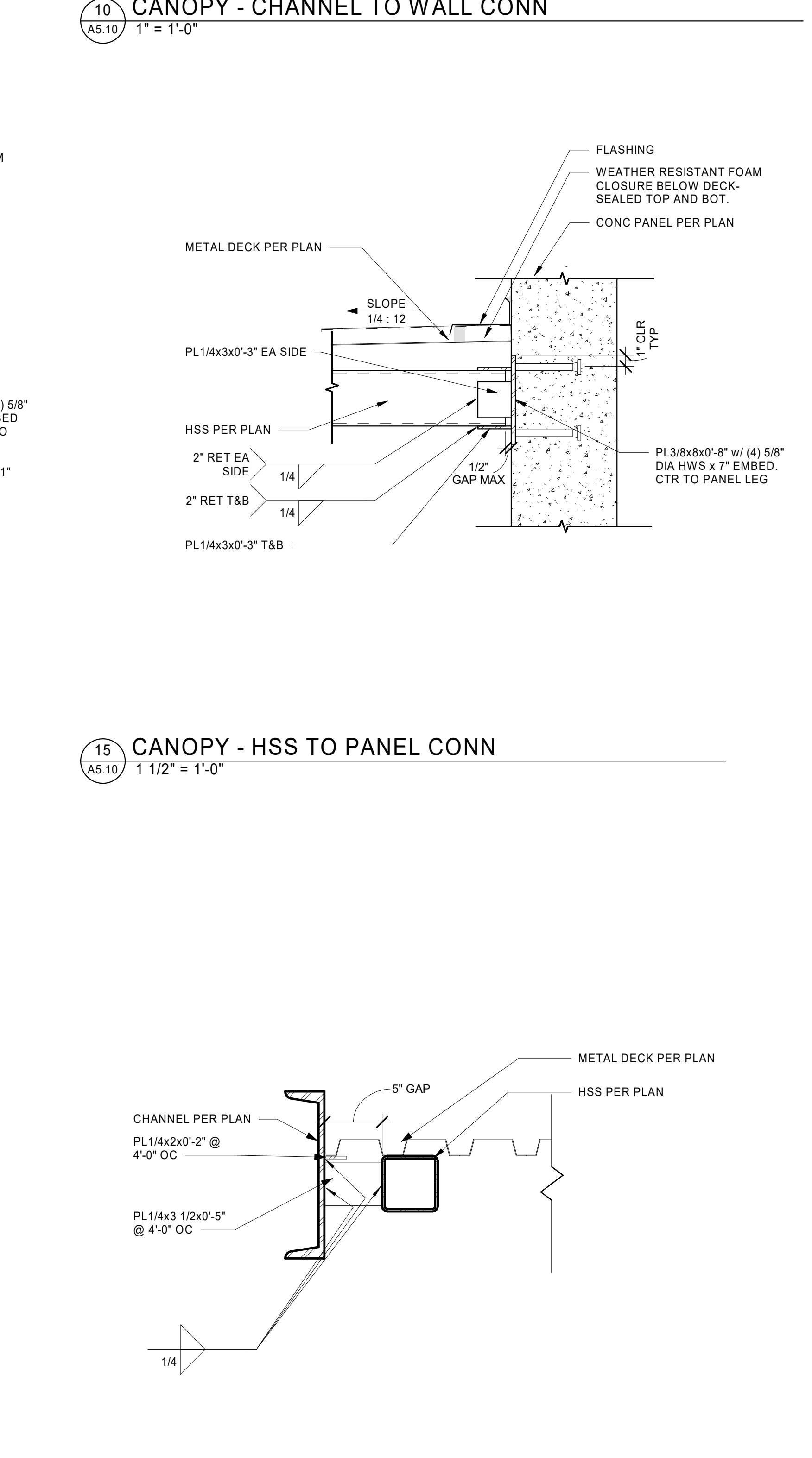
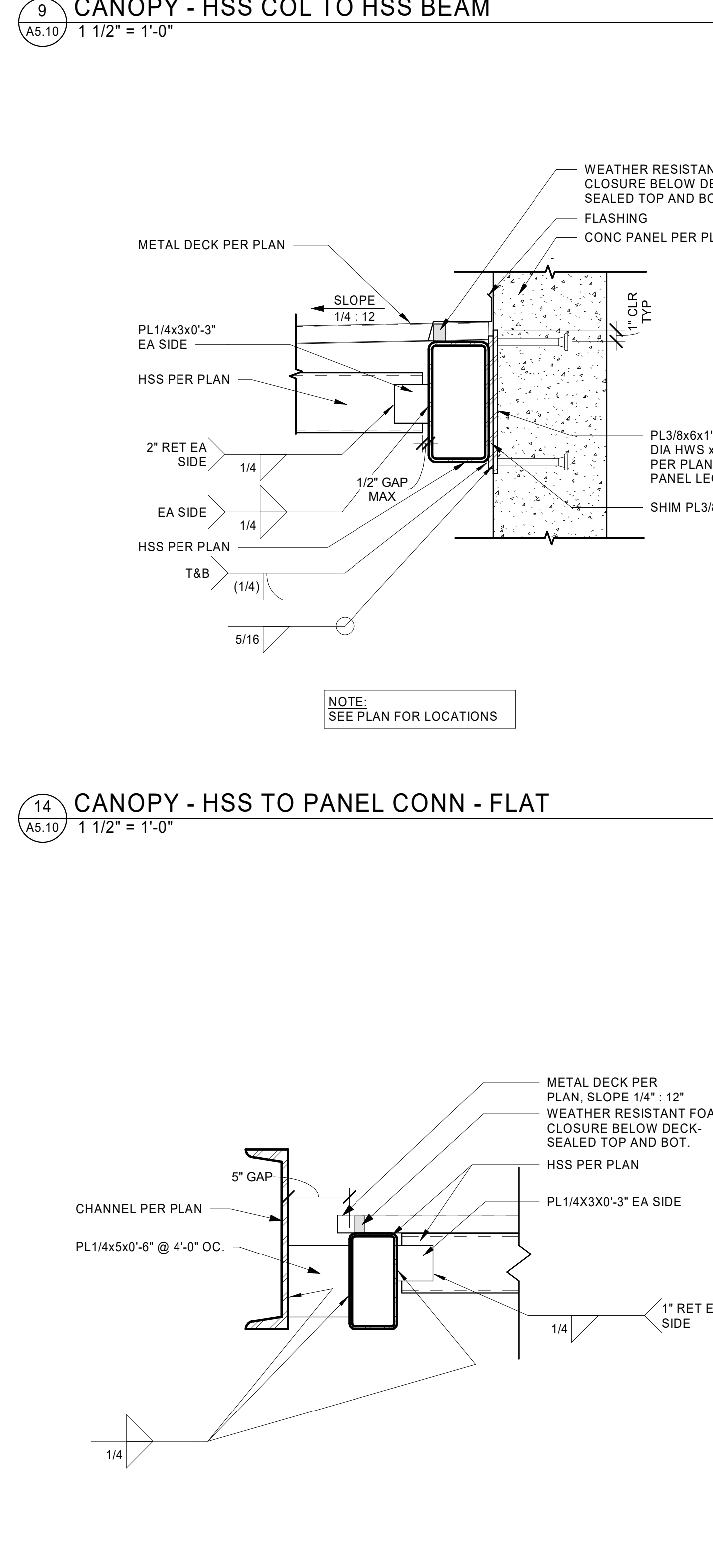
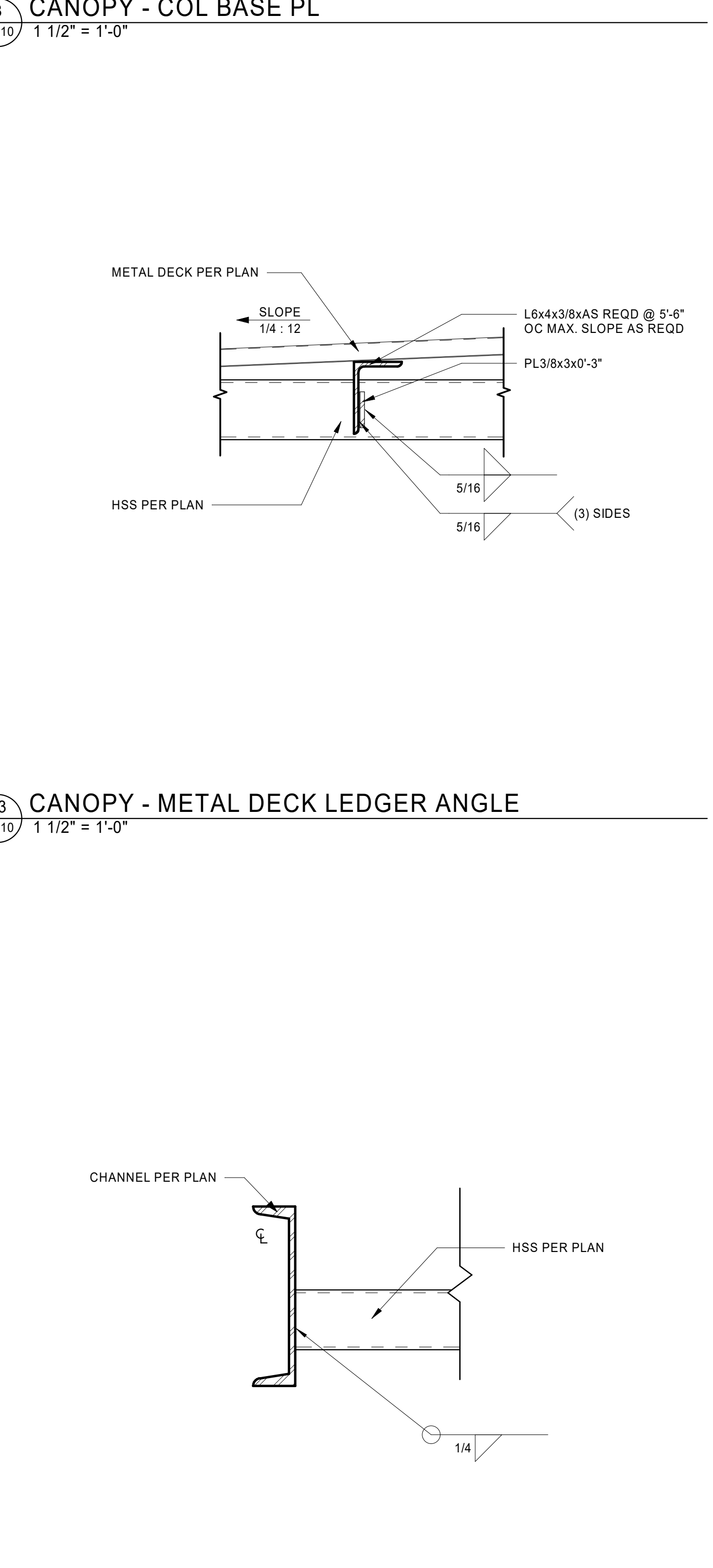
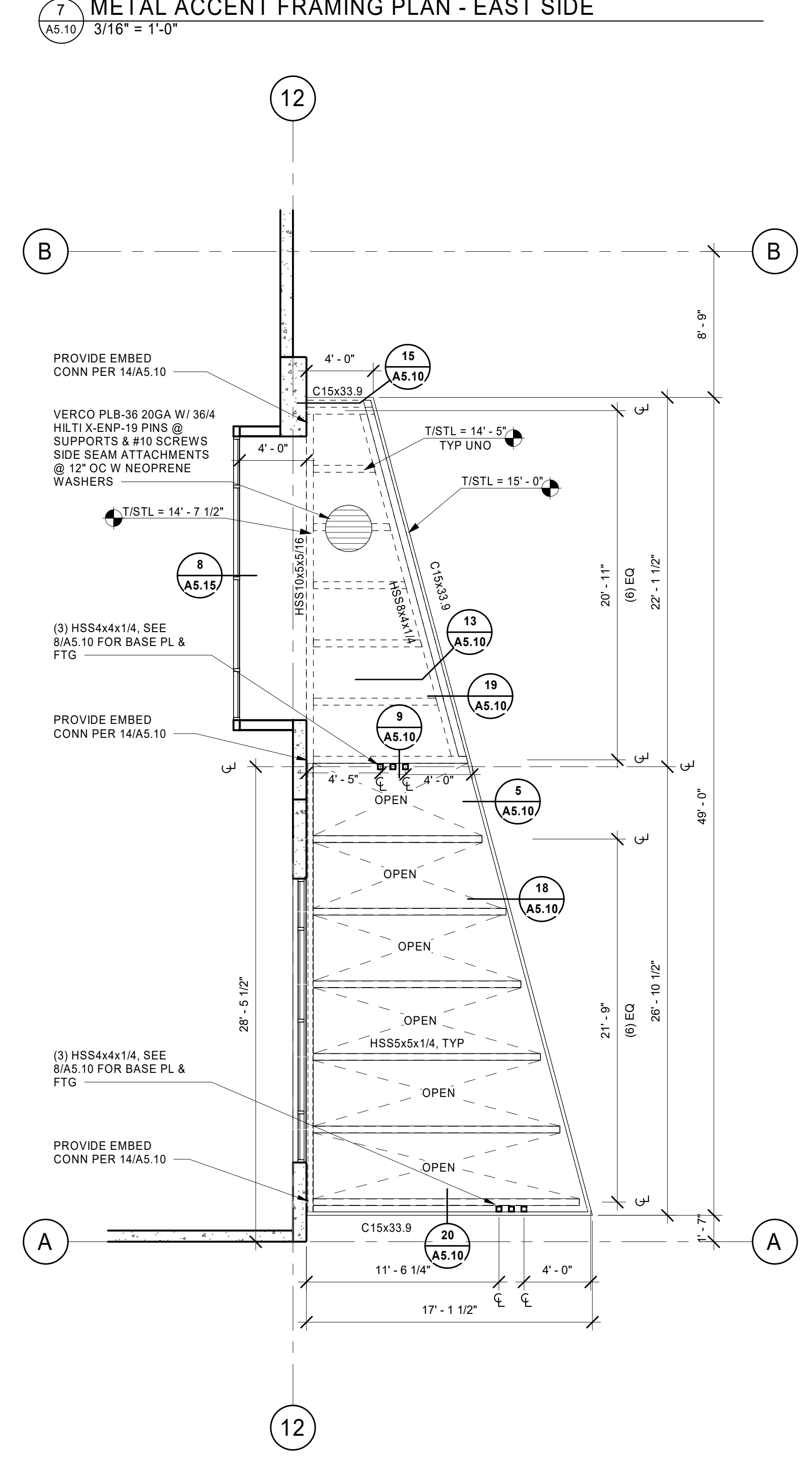
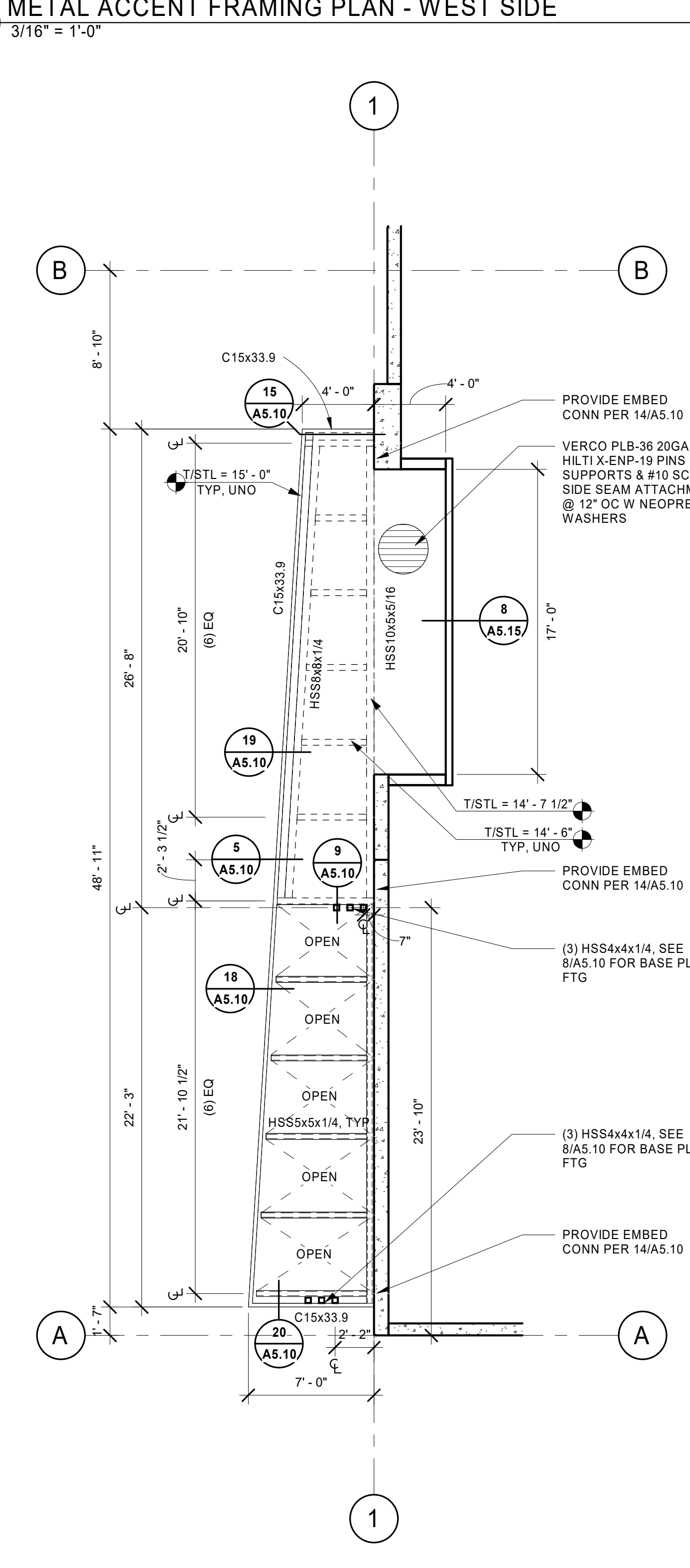
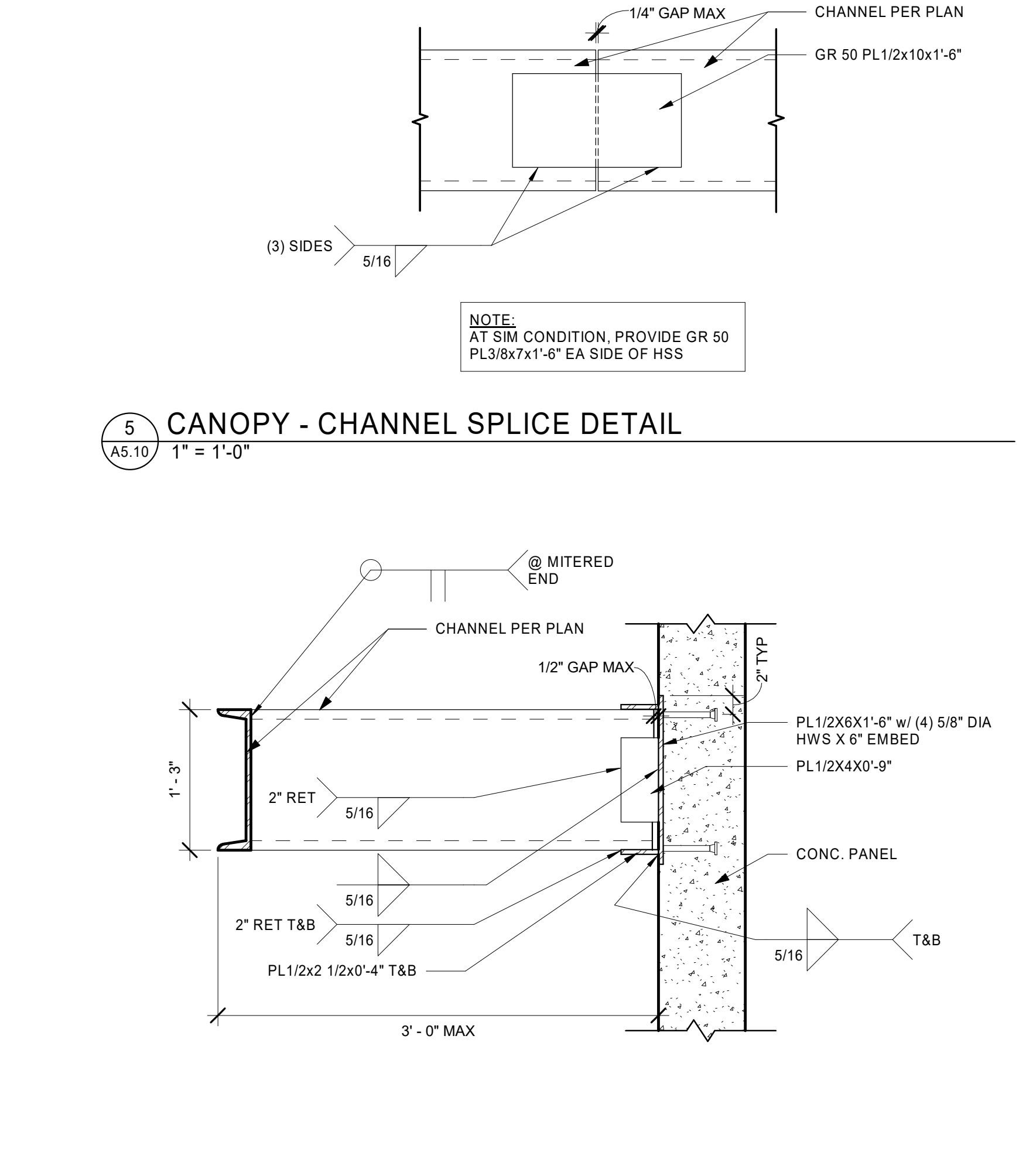
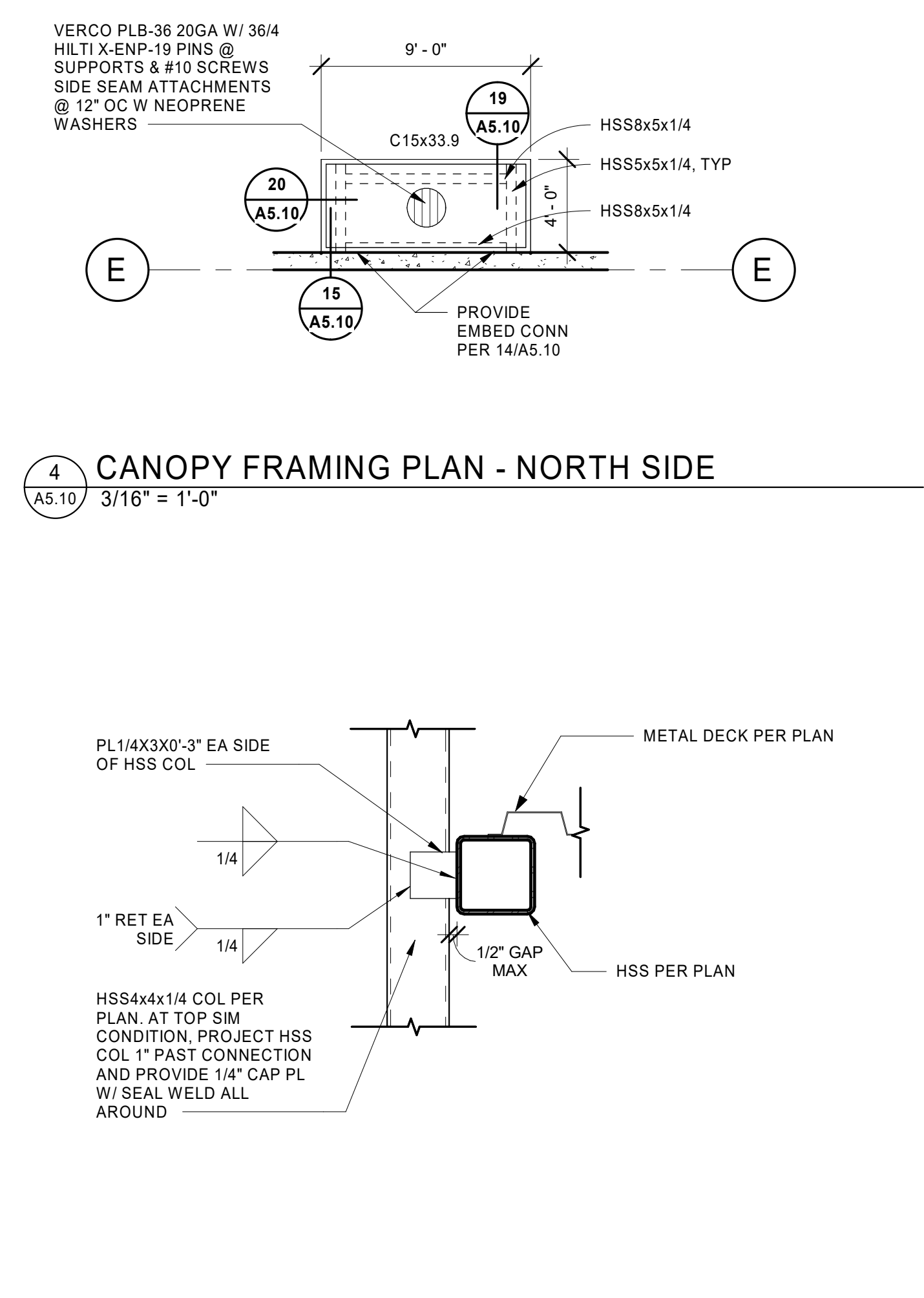
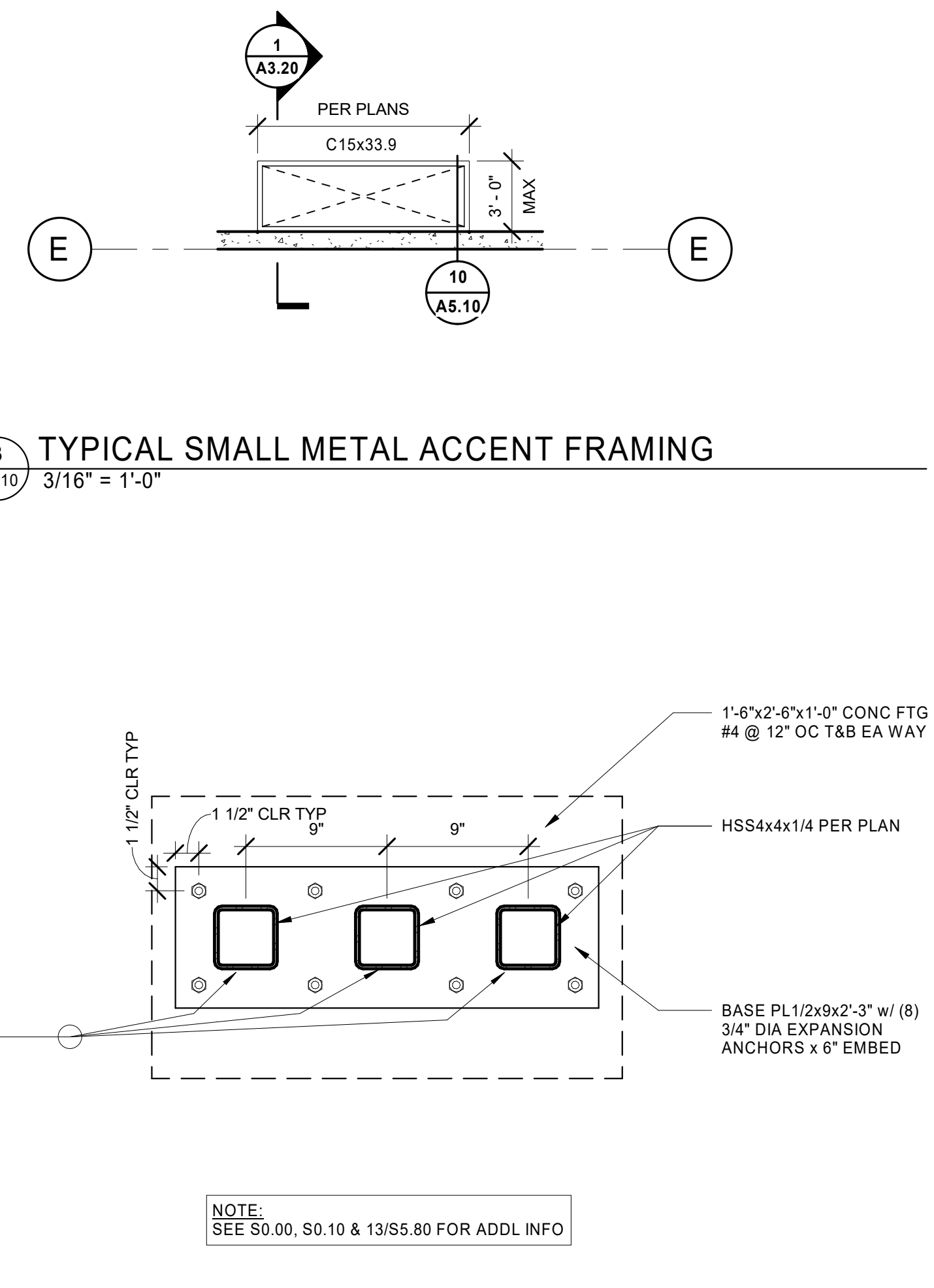
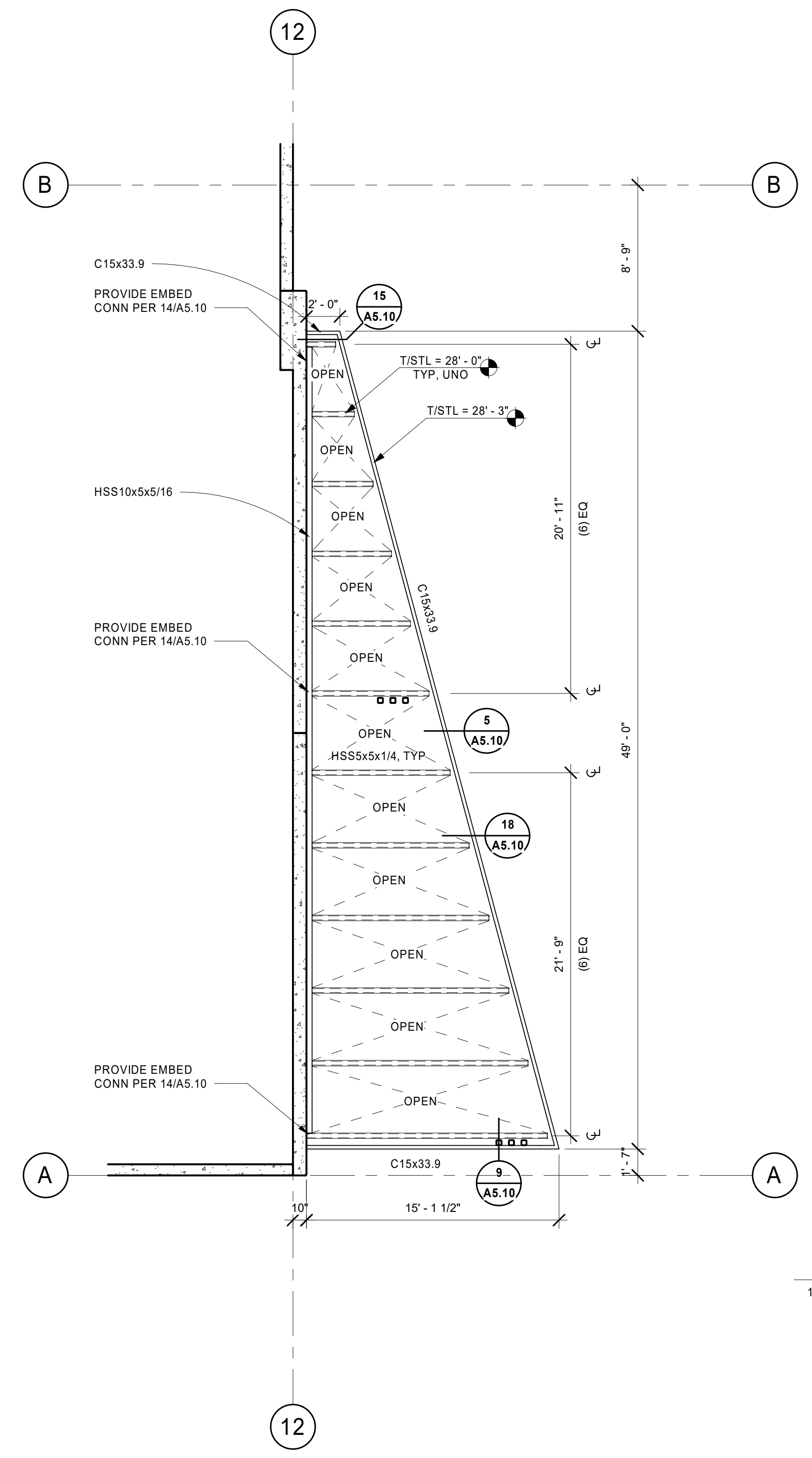
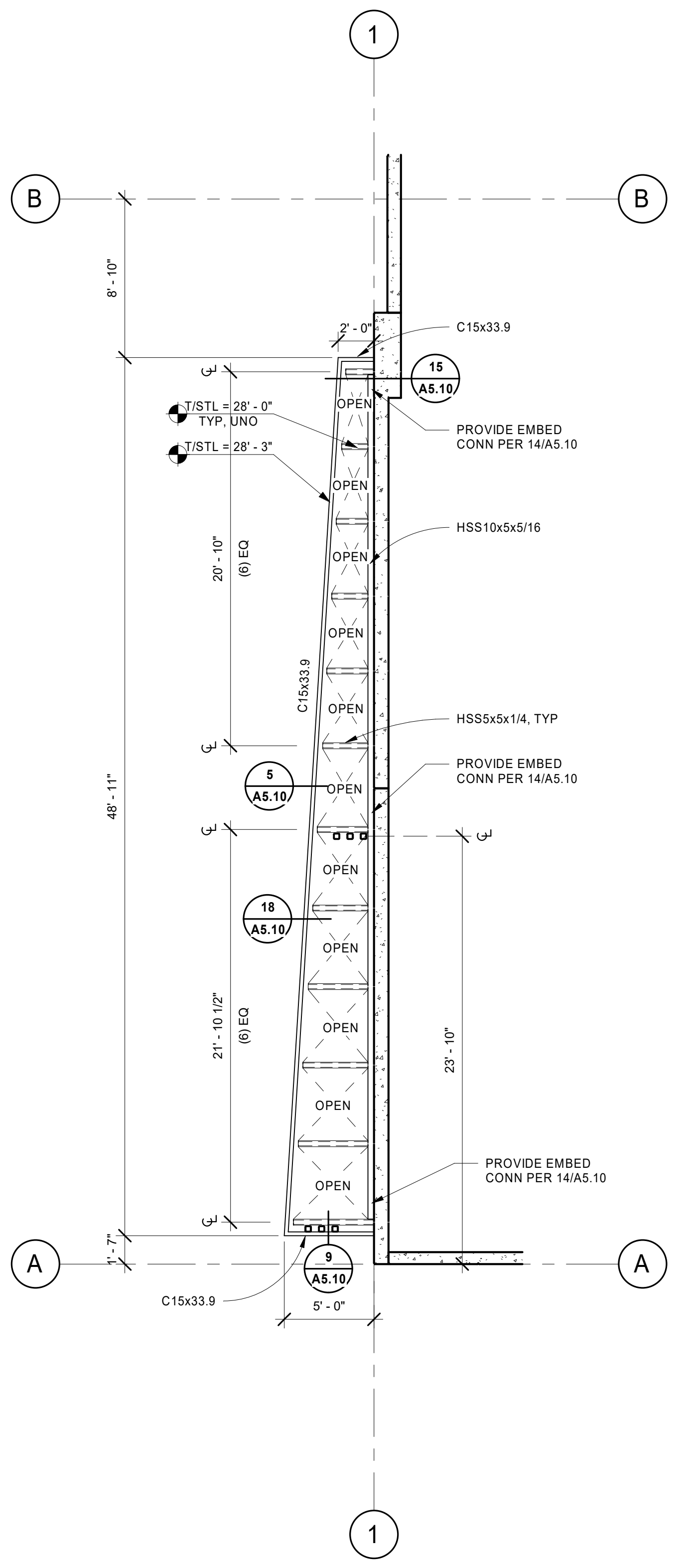
SHEET

A4.10

JOB NO. 2220290.00

CANOPY GENERAL NOTES

- A. ALL CANOPY STEEL TO BE GALVANIZED UNDO. WELDS/CONNECTIONS TO BE REPAIRED WITH COLD GALVANIZING CANOPY STEEL AND DECK TO BE PAINTED PER ELEVATIONS. PRIMERS TO BE COMPATIBLE WITH GALVANIZING.



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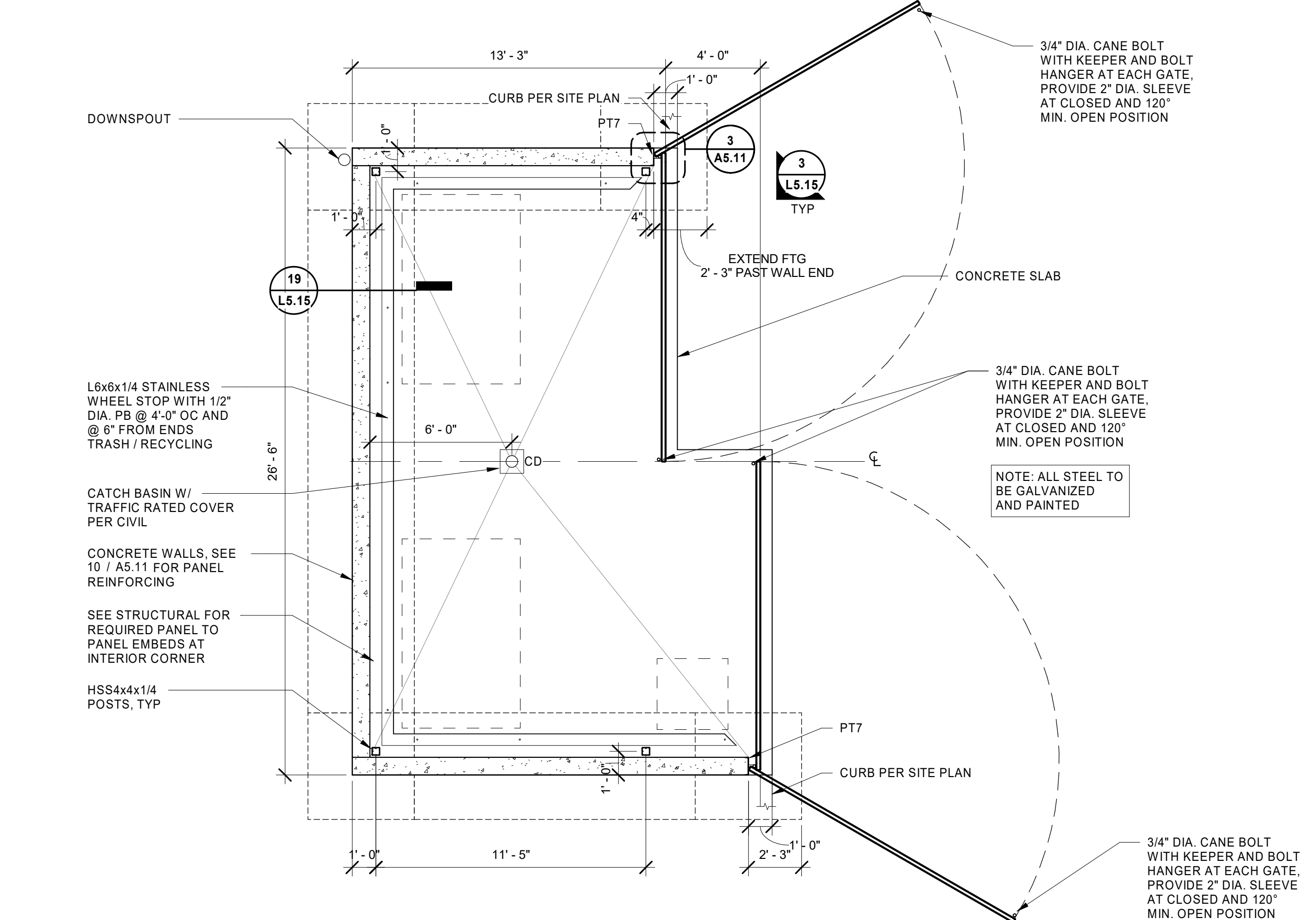
REVISION SCHEDULE		
Date	Issued As	Issue Date

SHEET TITLE:
METAL ACCENT, ENLARGED PLANS & DETAILS

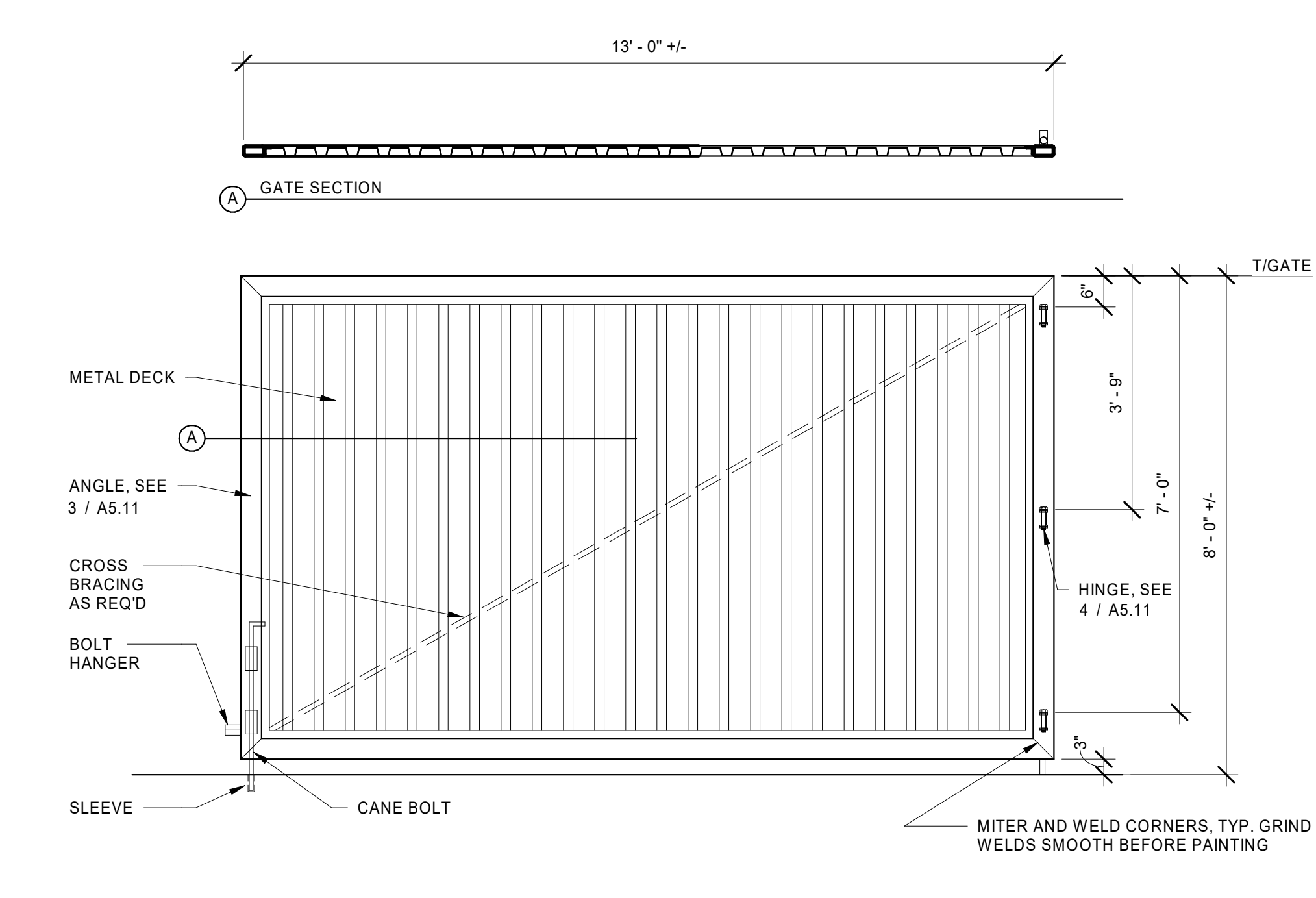
SHEET

A5.10

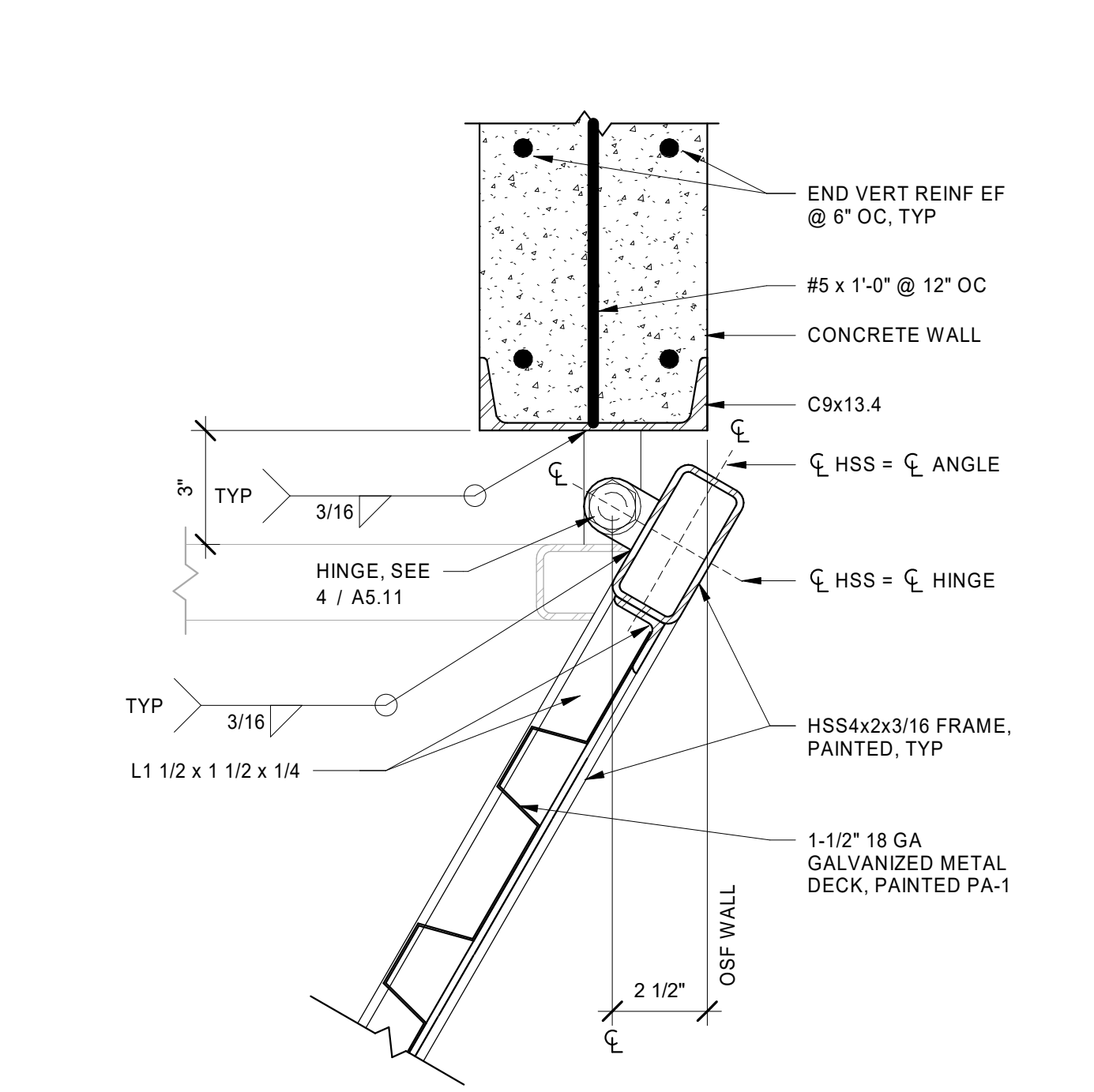
JOB NO. 2220290.00



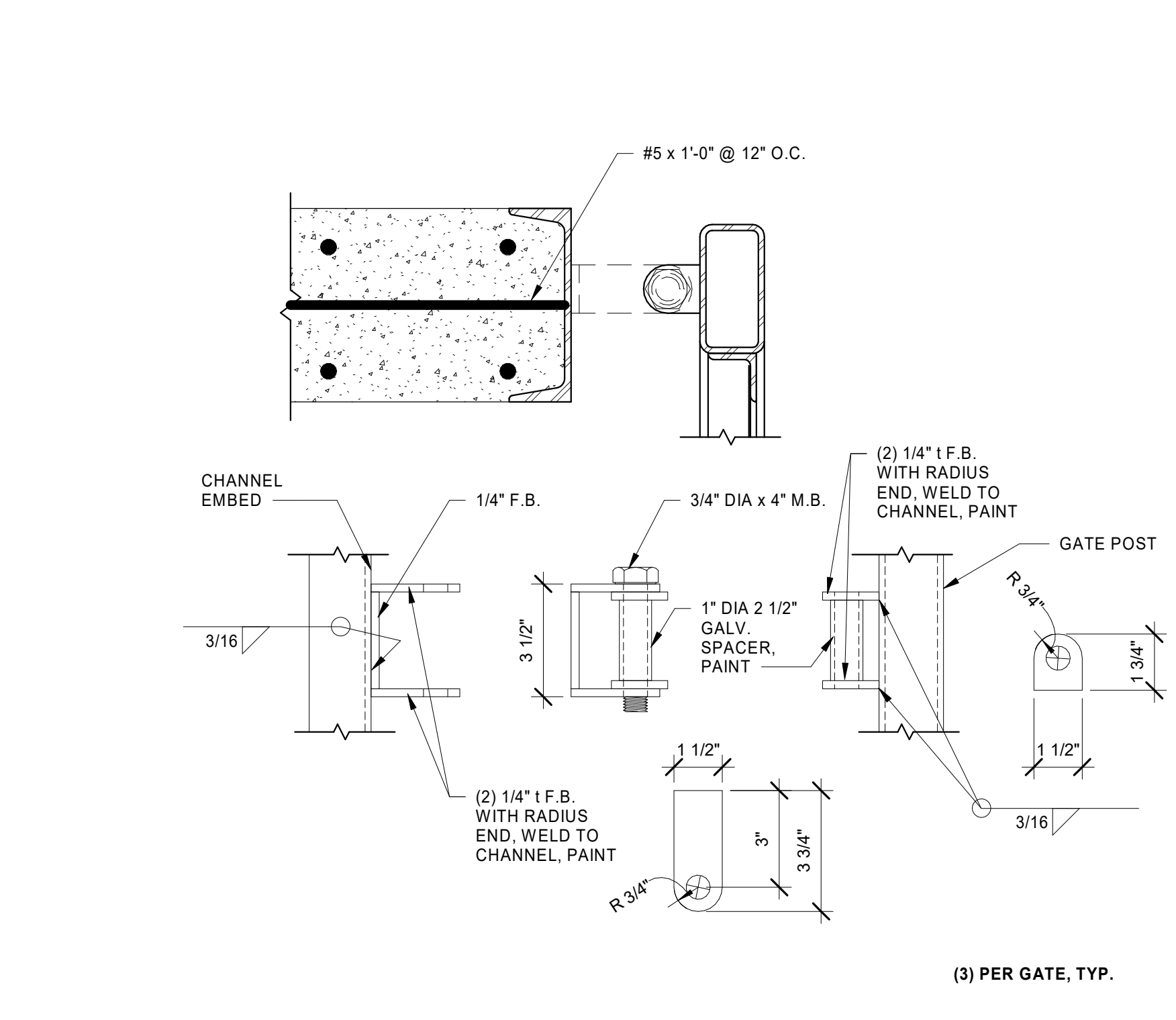
1 TRASH ENCLOSURE
AS.11 1/4" = 1'-0"



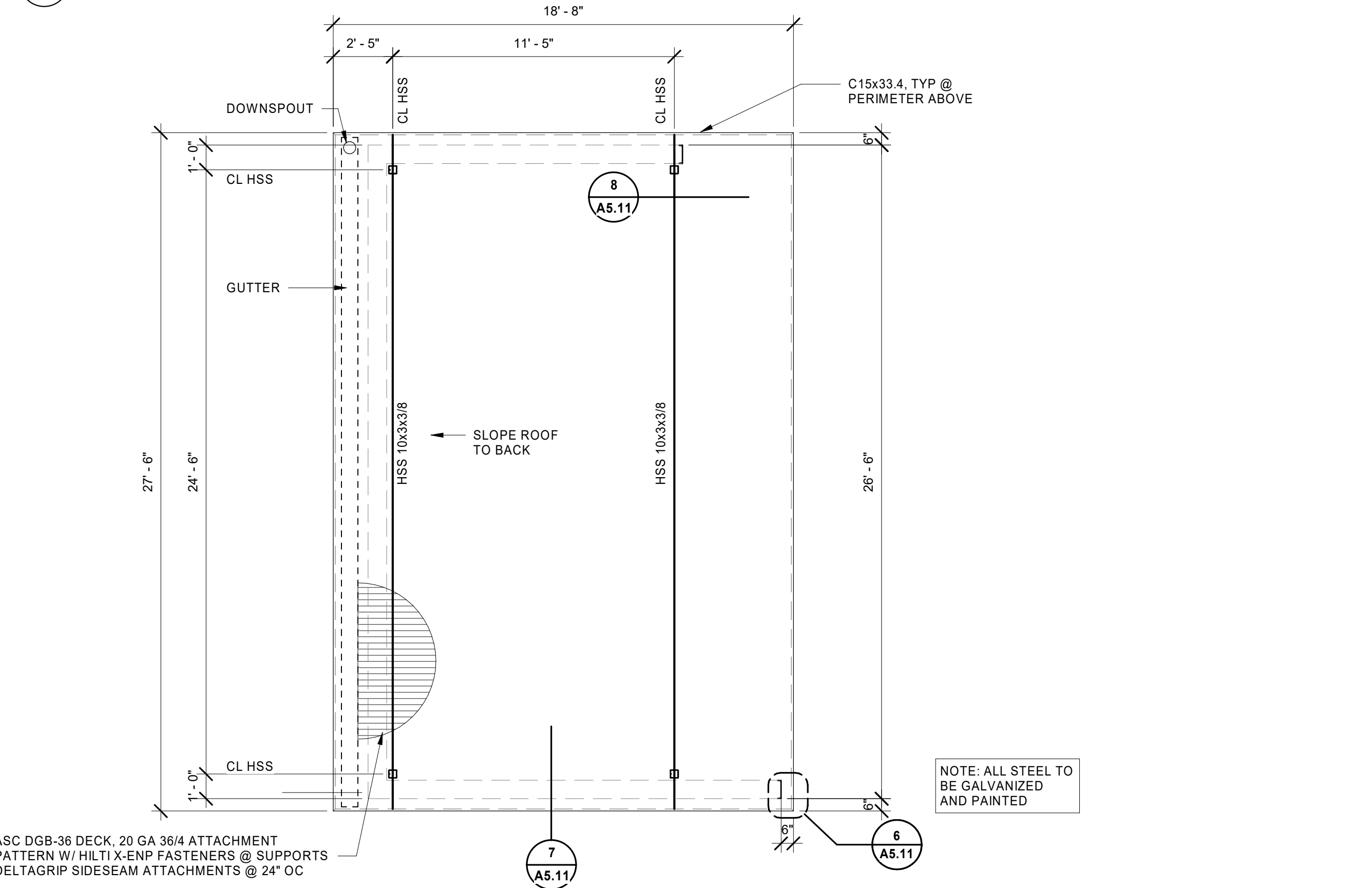
2 TRASH ENCLOSURE - TYPICAL GATE ELEVATION
AS.11 1/2" = 1'-0"



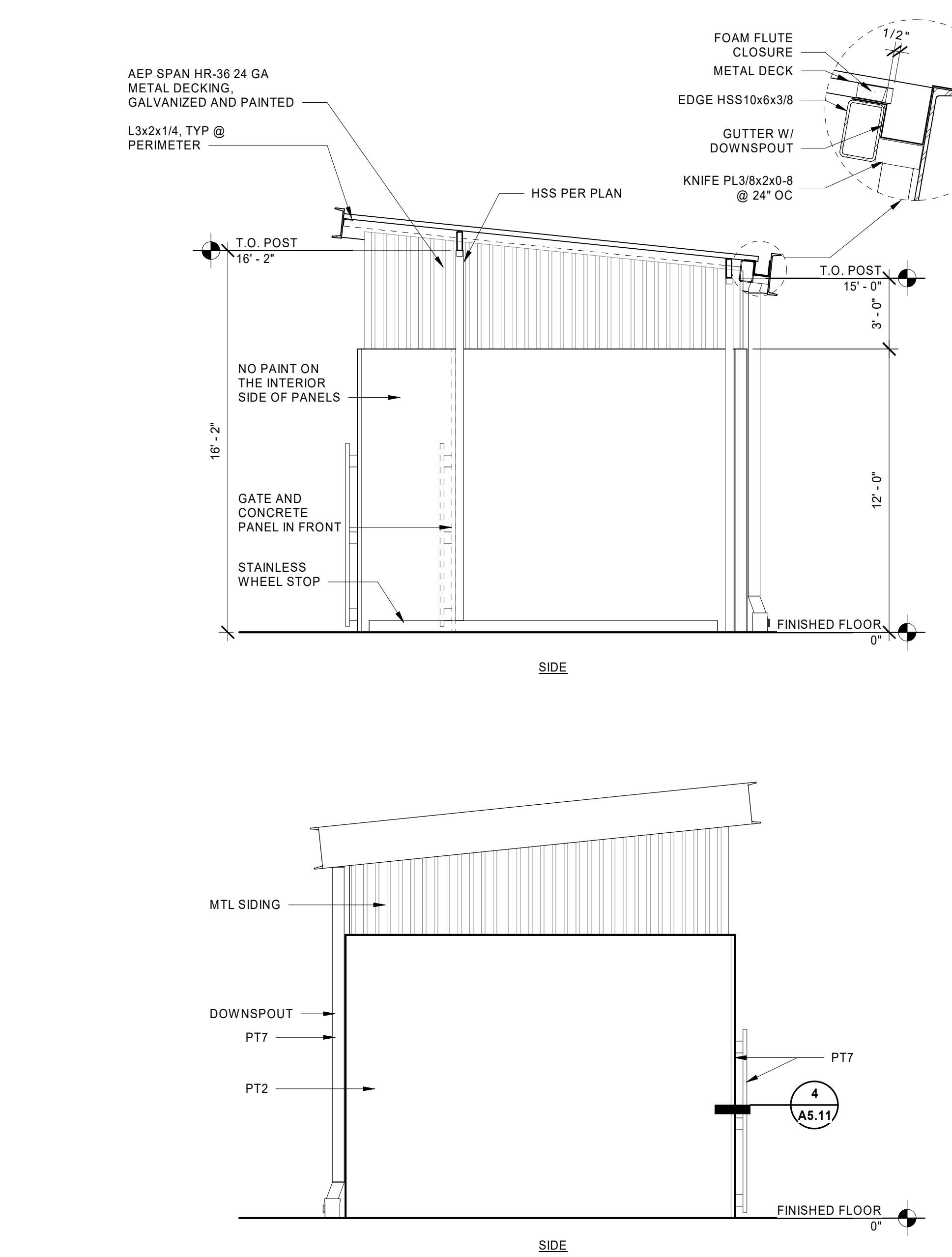
3 TRASH ENCLOSURE - GATE DETAIL
AS.11 3" = 1'-0"



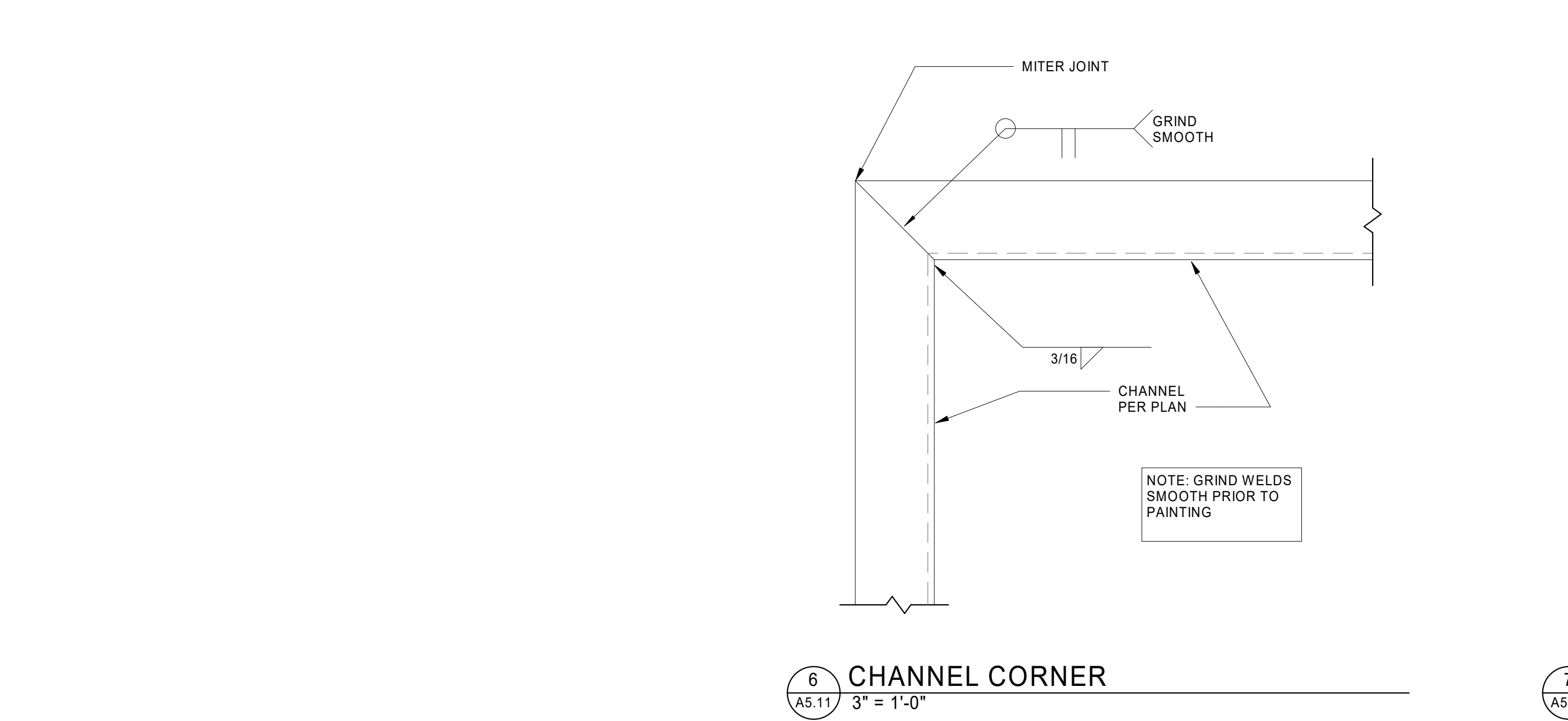
4 TRASH ENCLOSURE - HINGE DETAIL
AS.11 3" = 1'-0"



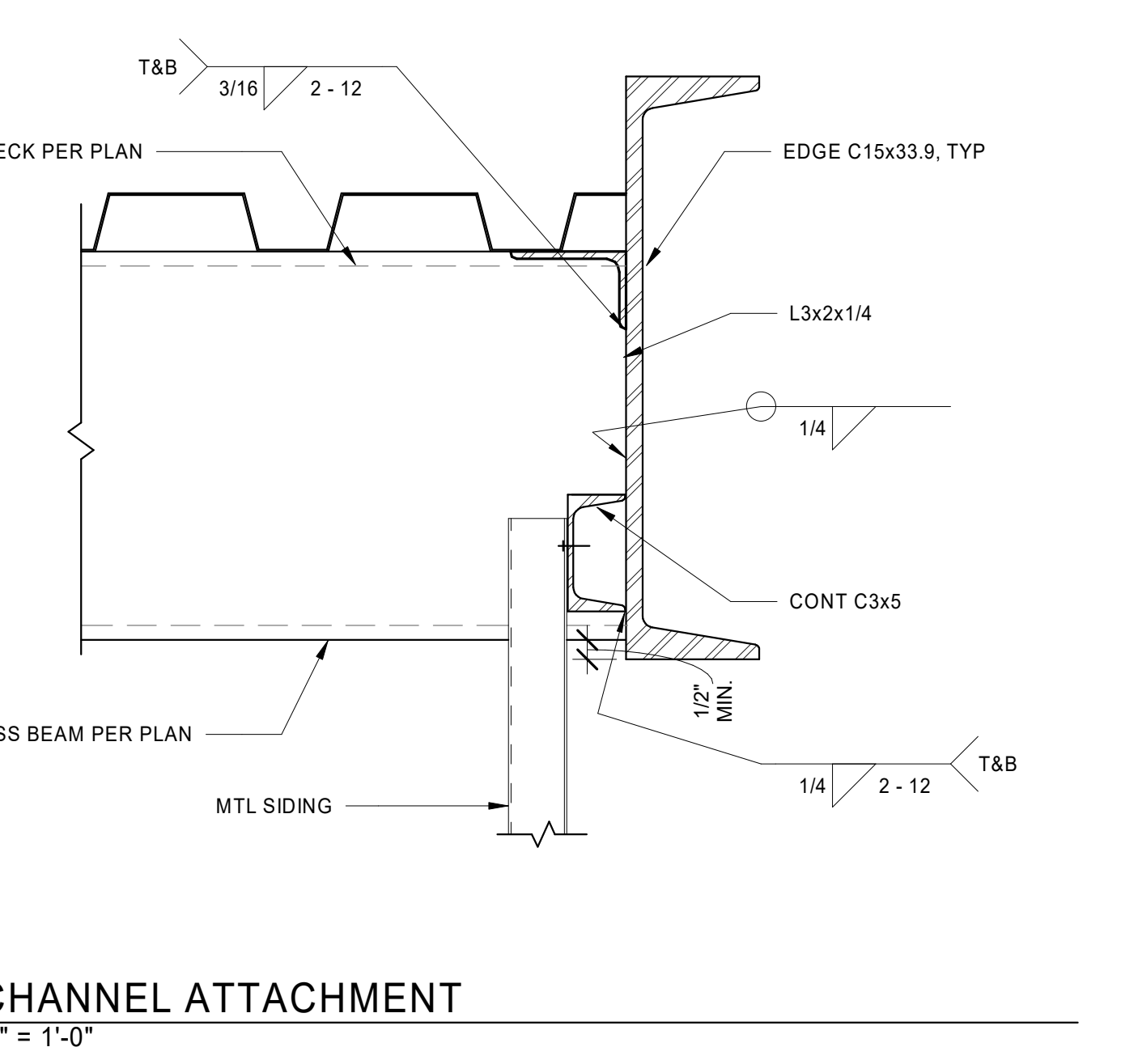
5 FRAMING PLAN
AS.11 1/4" = 1'-0"



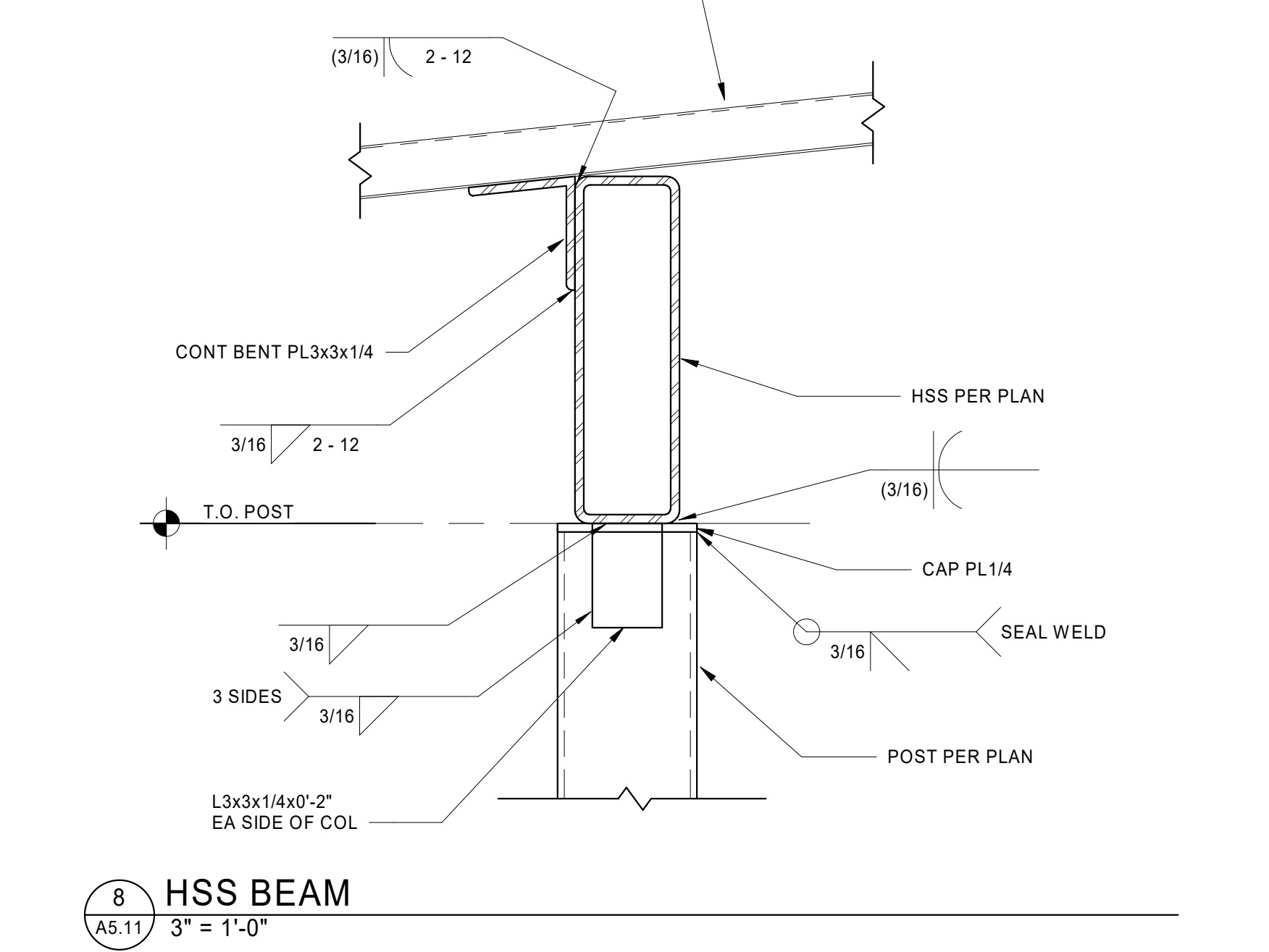
9 TRASH ENCLOSURE ELEVATIONS
AS.11 1/4" = 1'-0"



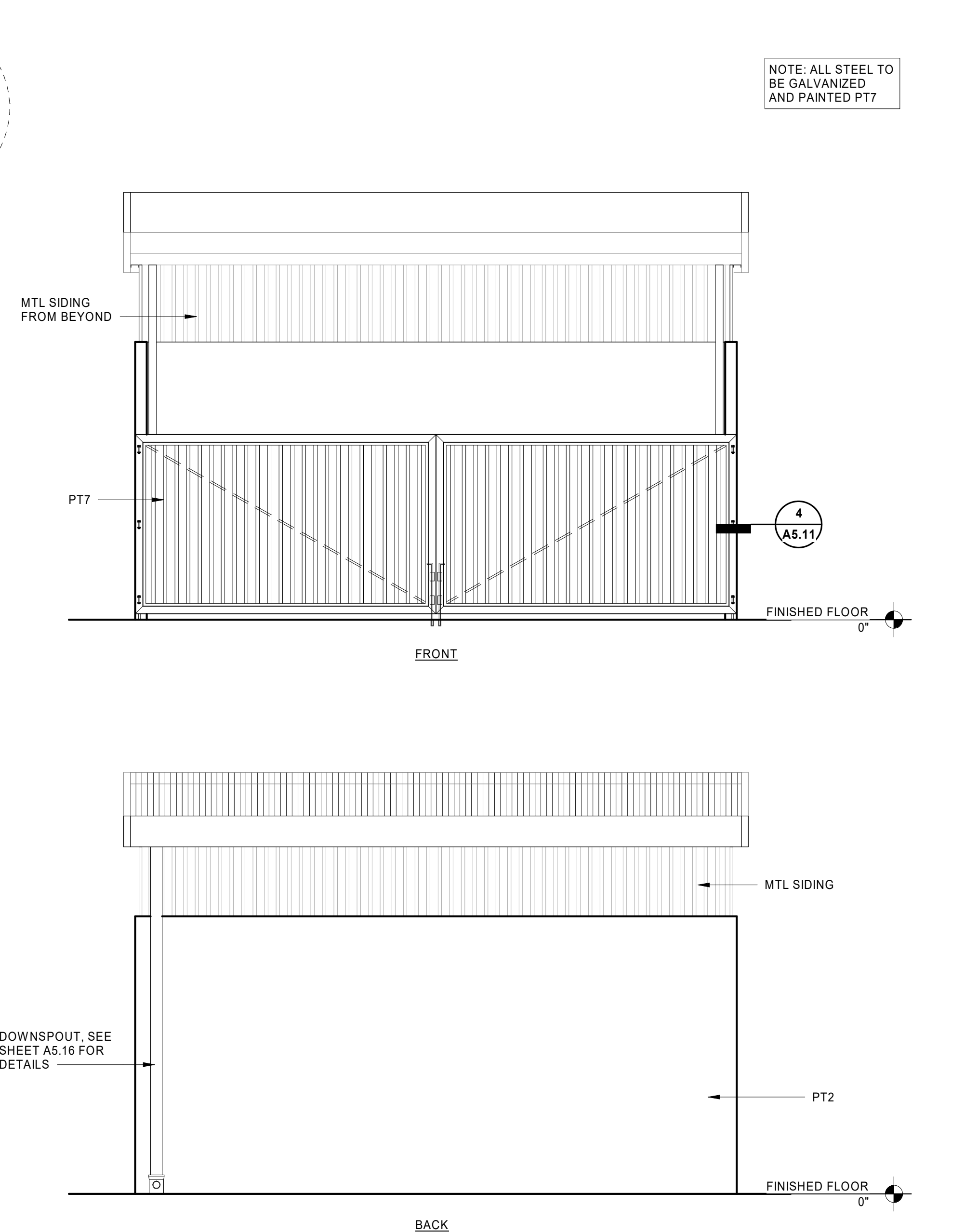
6 CHANNEL CORNER
AS.11 3" = 1'-0"



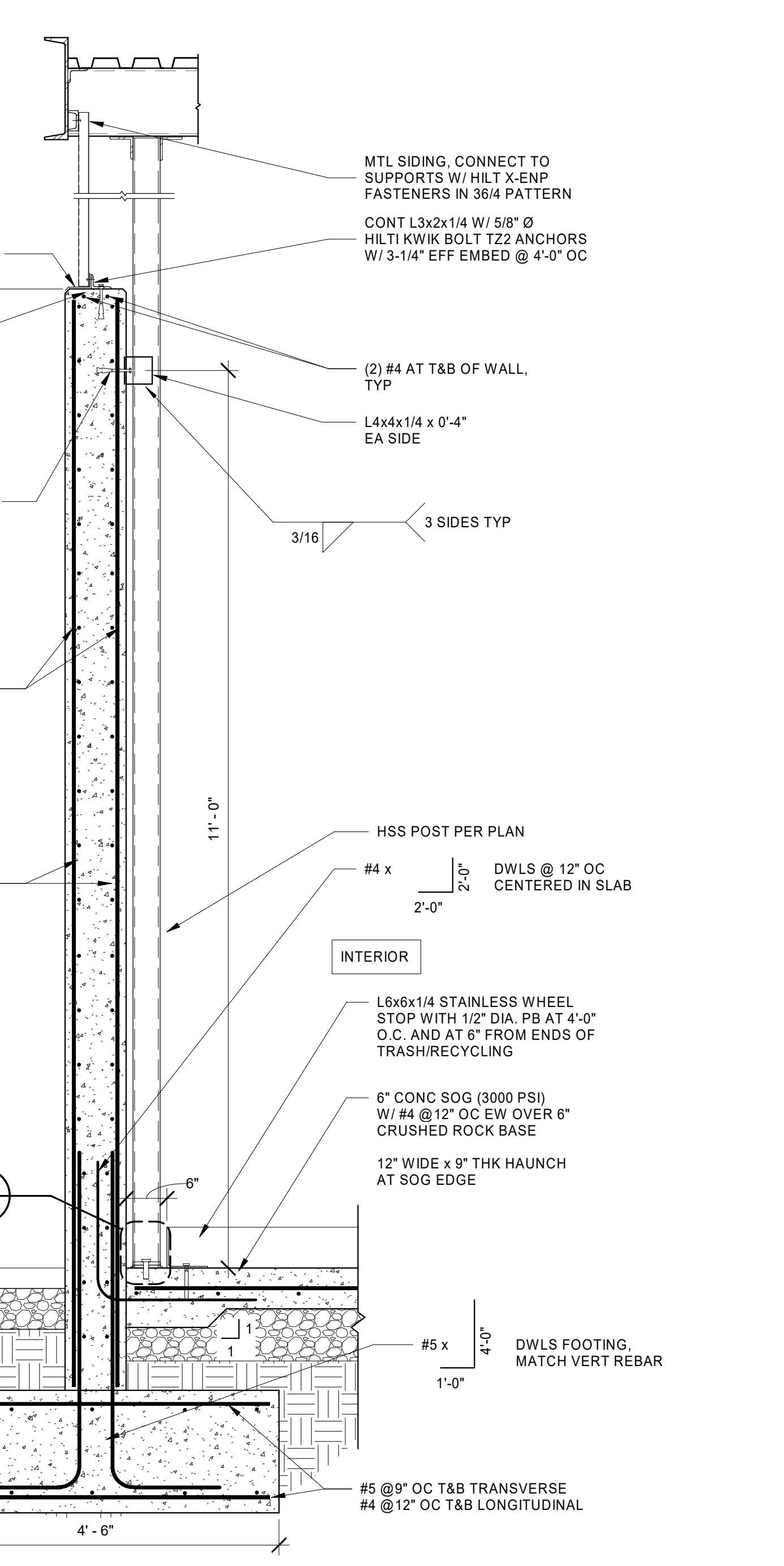
7 CHANNEL ATTACHMENT
AS.11 3" = 1'-0"



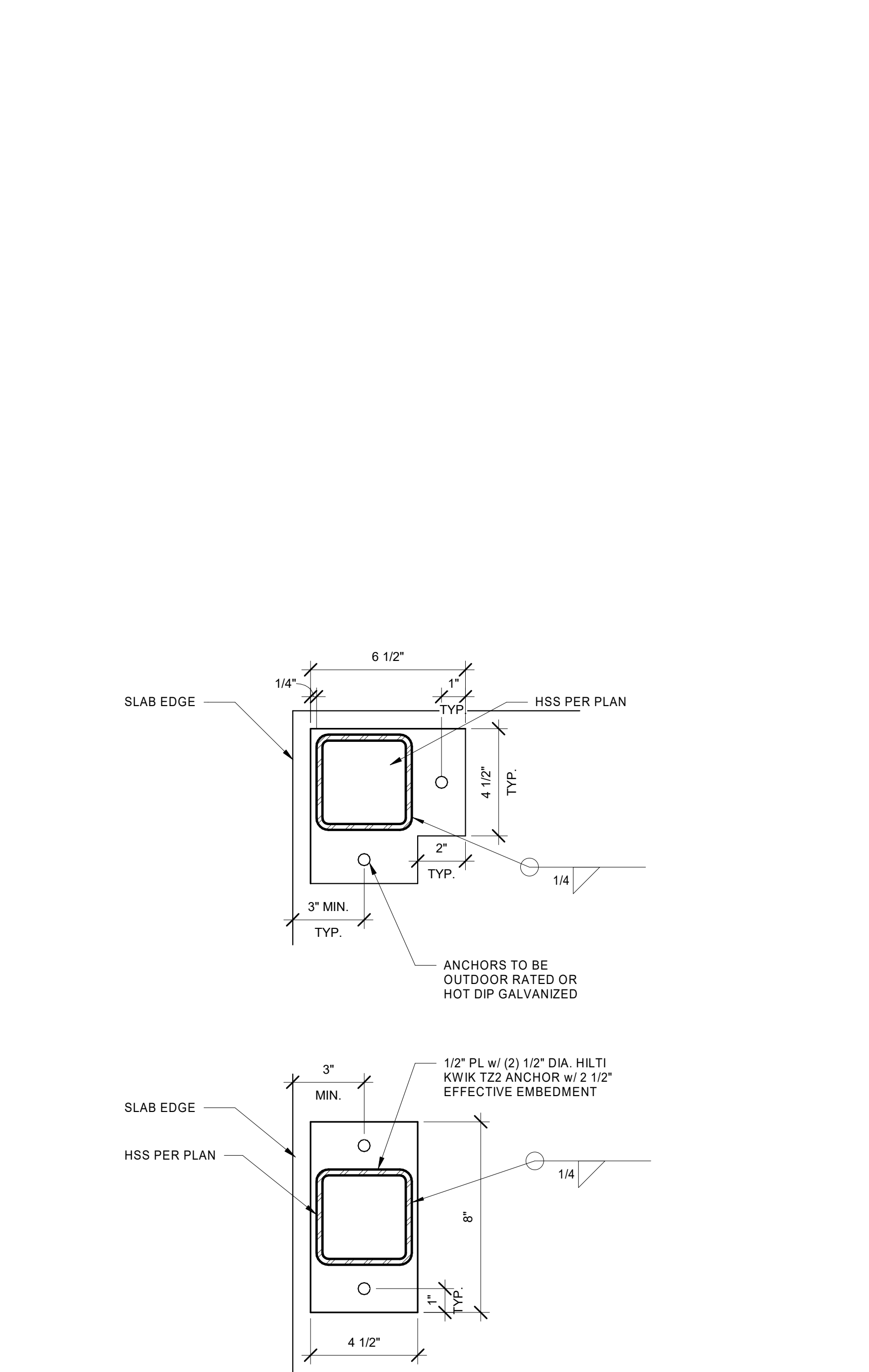
8 HSS BEAM
AS.11 3" = 1'-0"



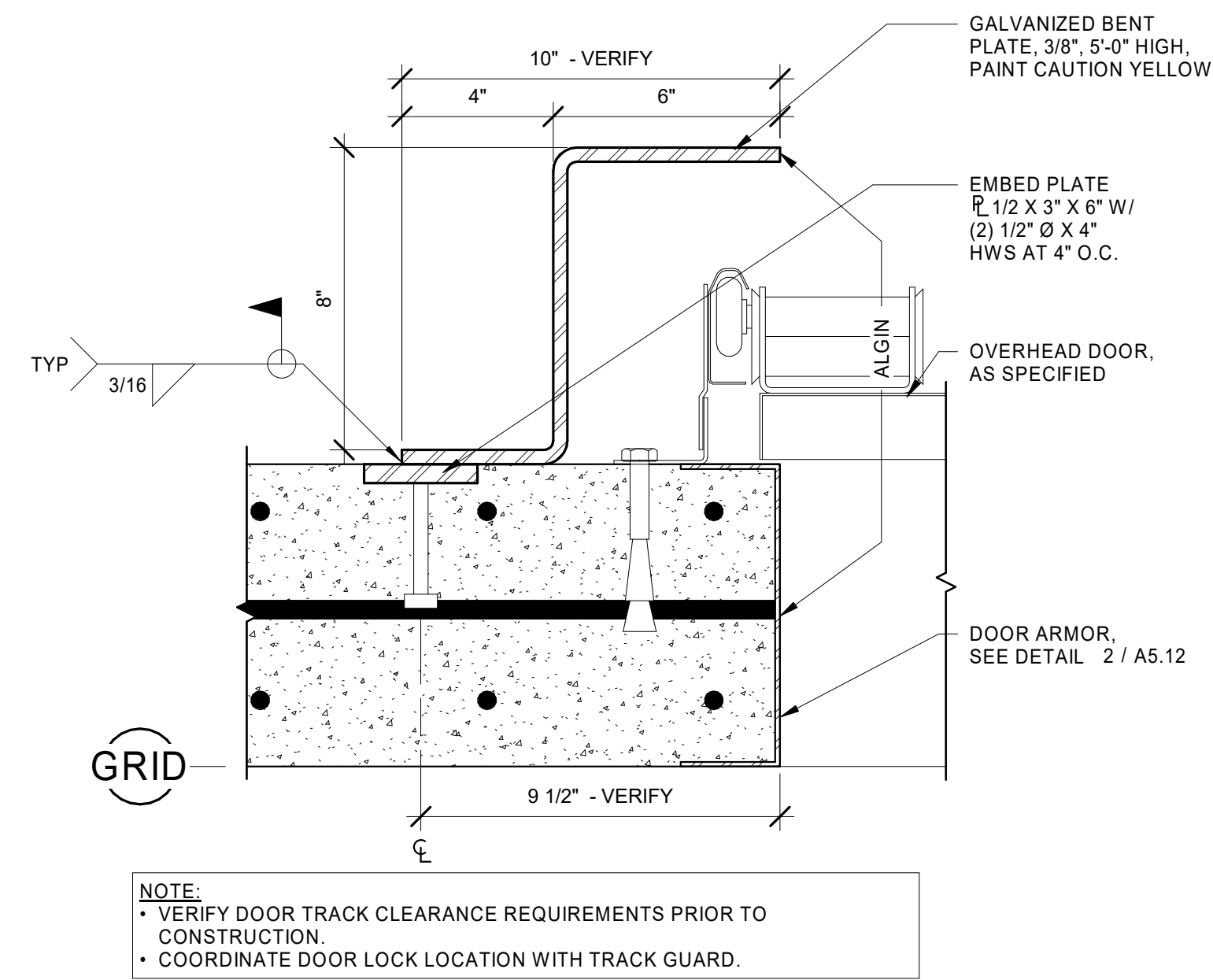
10 TRASH ENCLOSURE WALL
AS.11 3/4" = 1'-0"



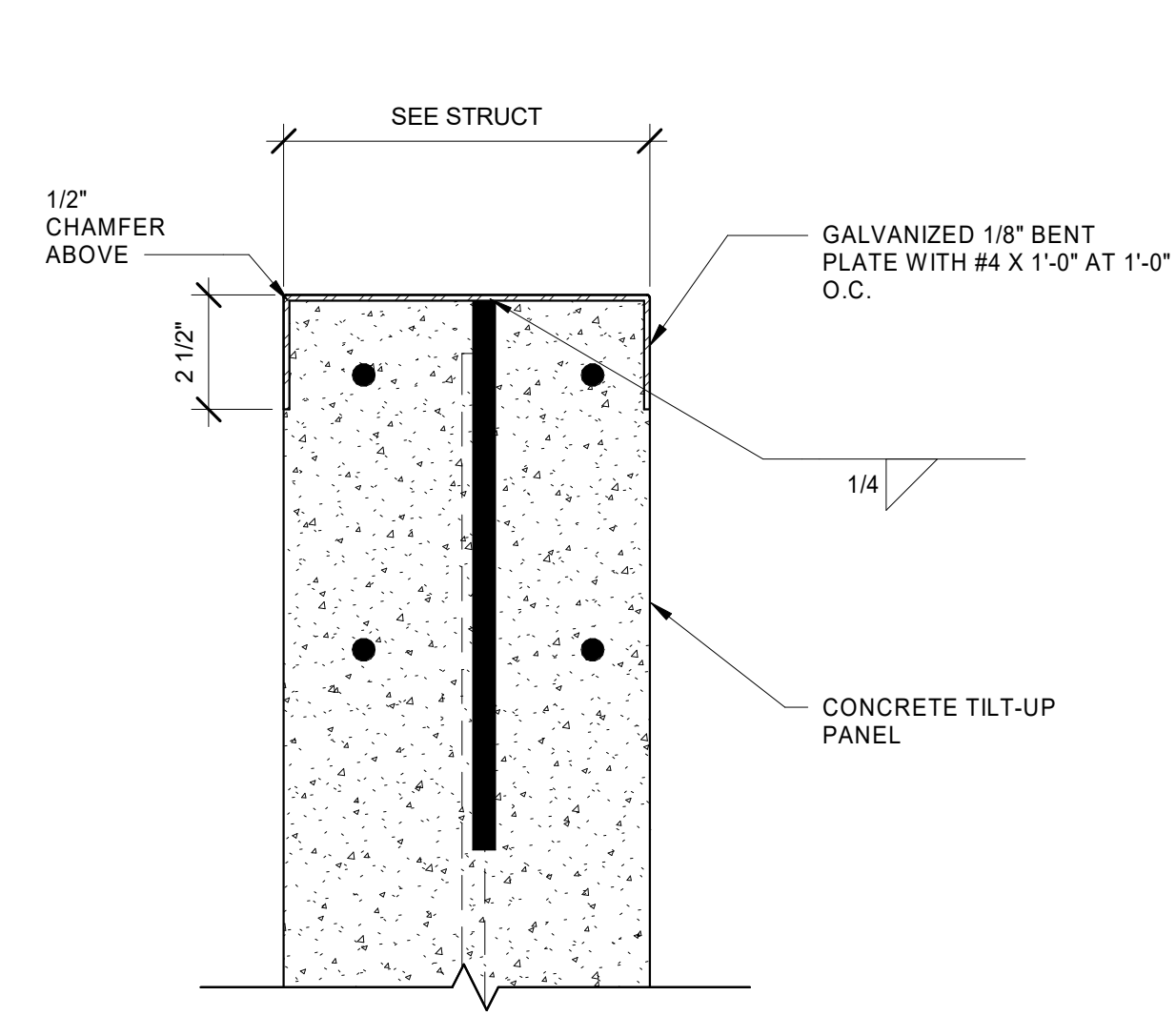
11 TRASH ENCLOSURE WALL
AS.11 3/4" = 1'-0"



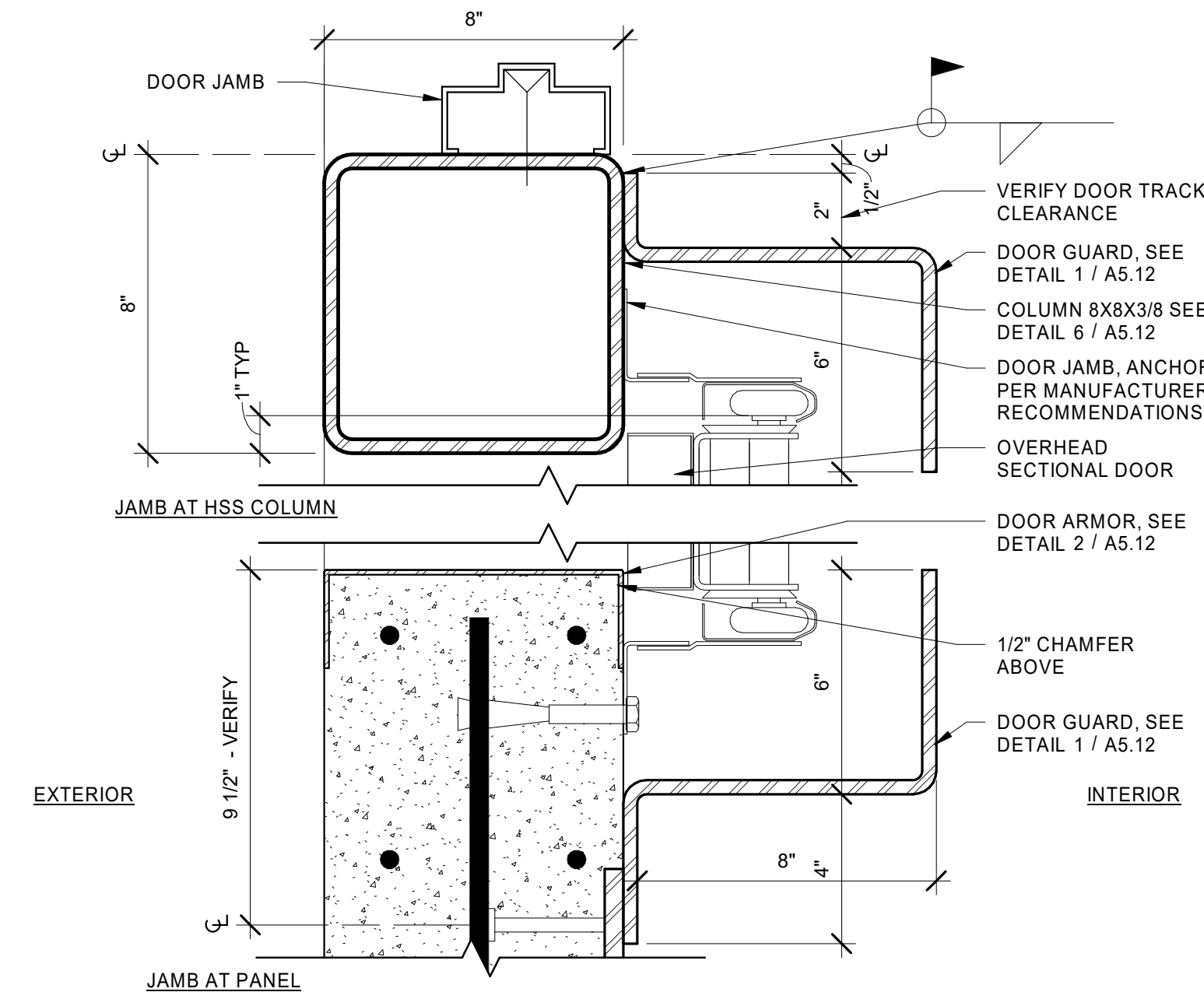
11 GATE COLUMN
AS.11 3" = 1'-0"



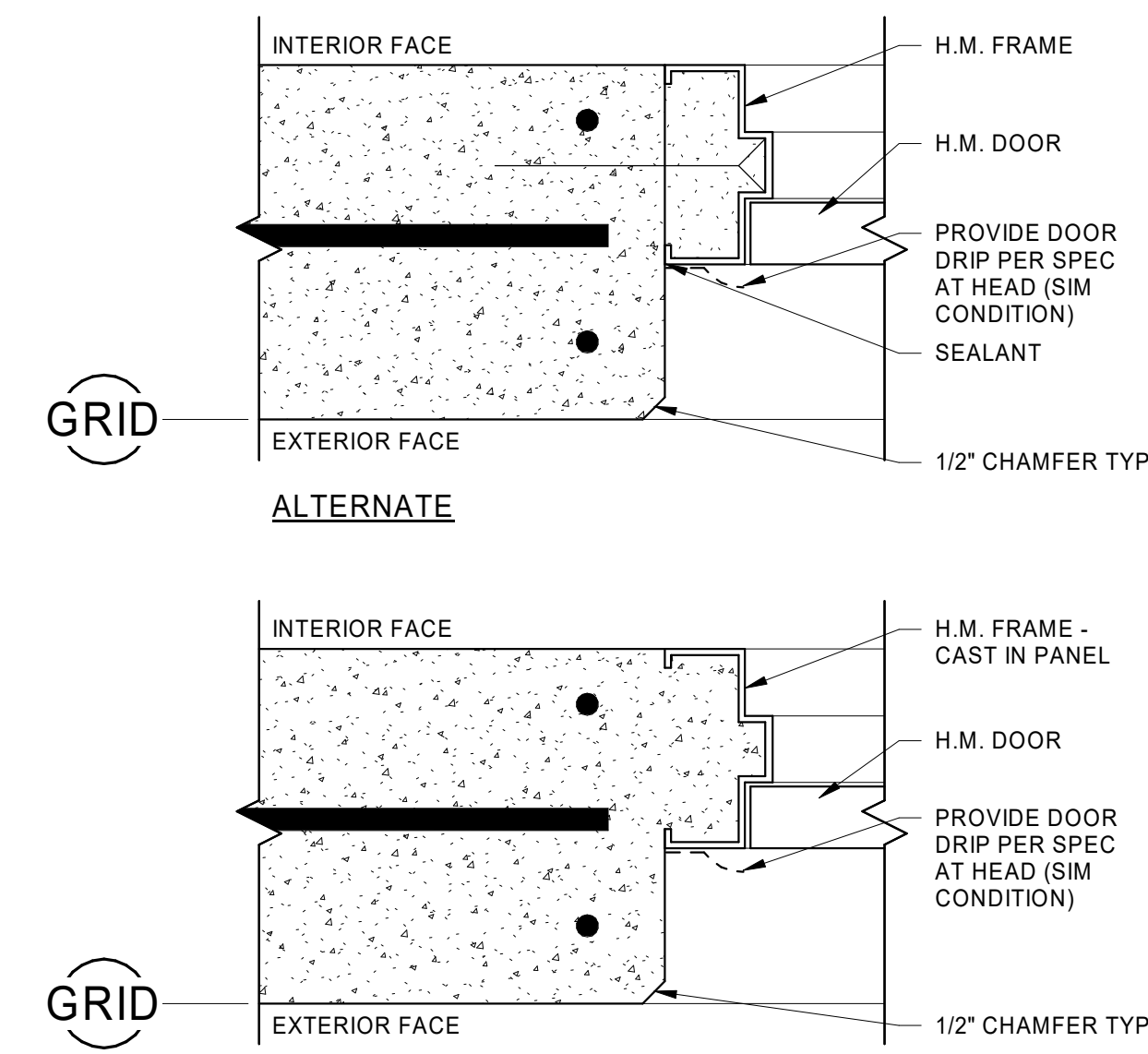
1 OVERHEAD DOOR GUARD
A5.12 3" = 1'-0"



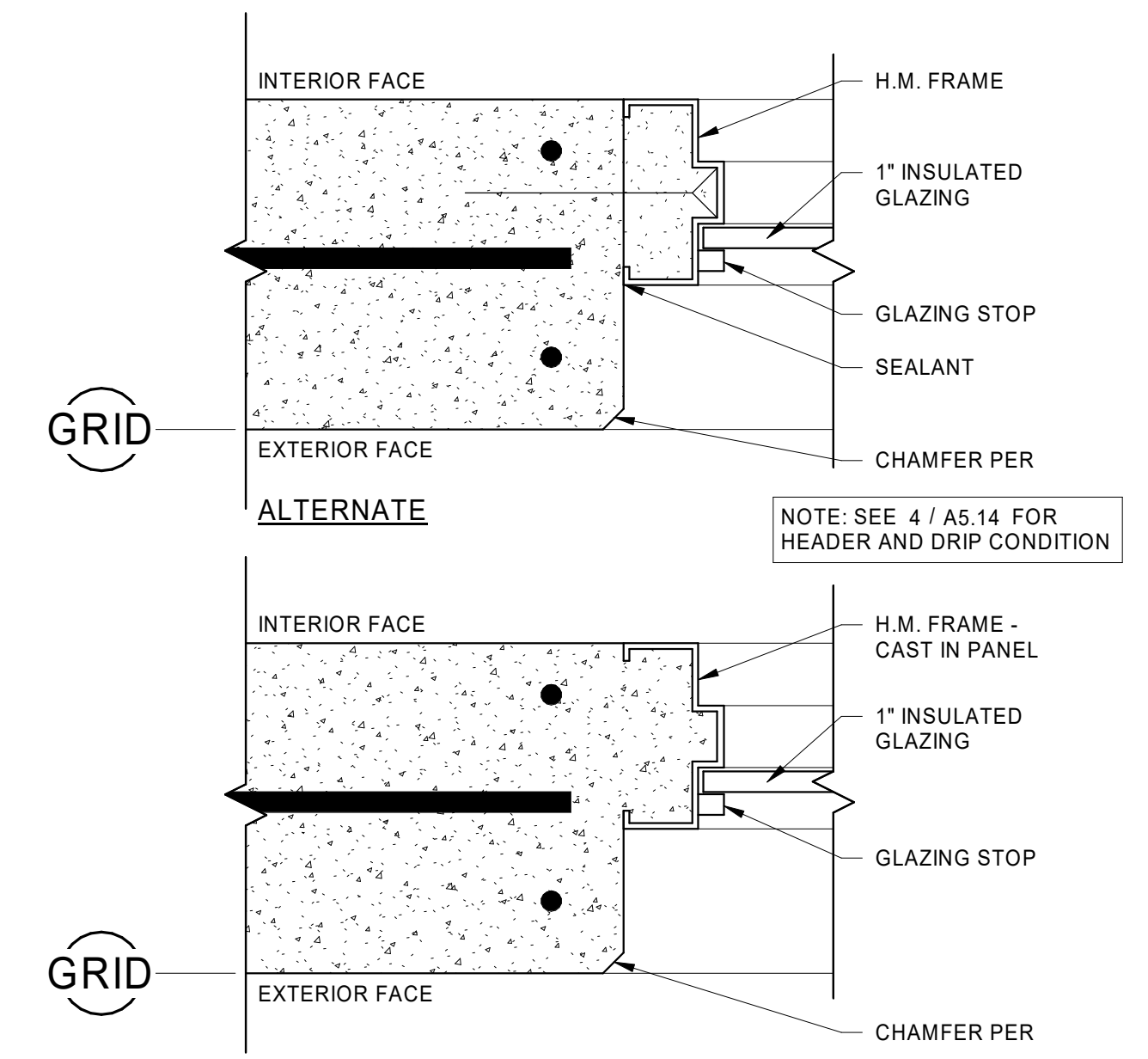
2 DOOR ARMOR
A5.12 3" = 1'-0"



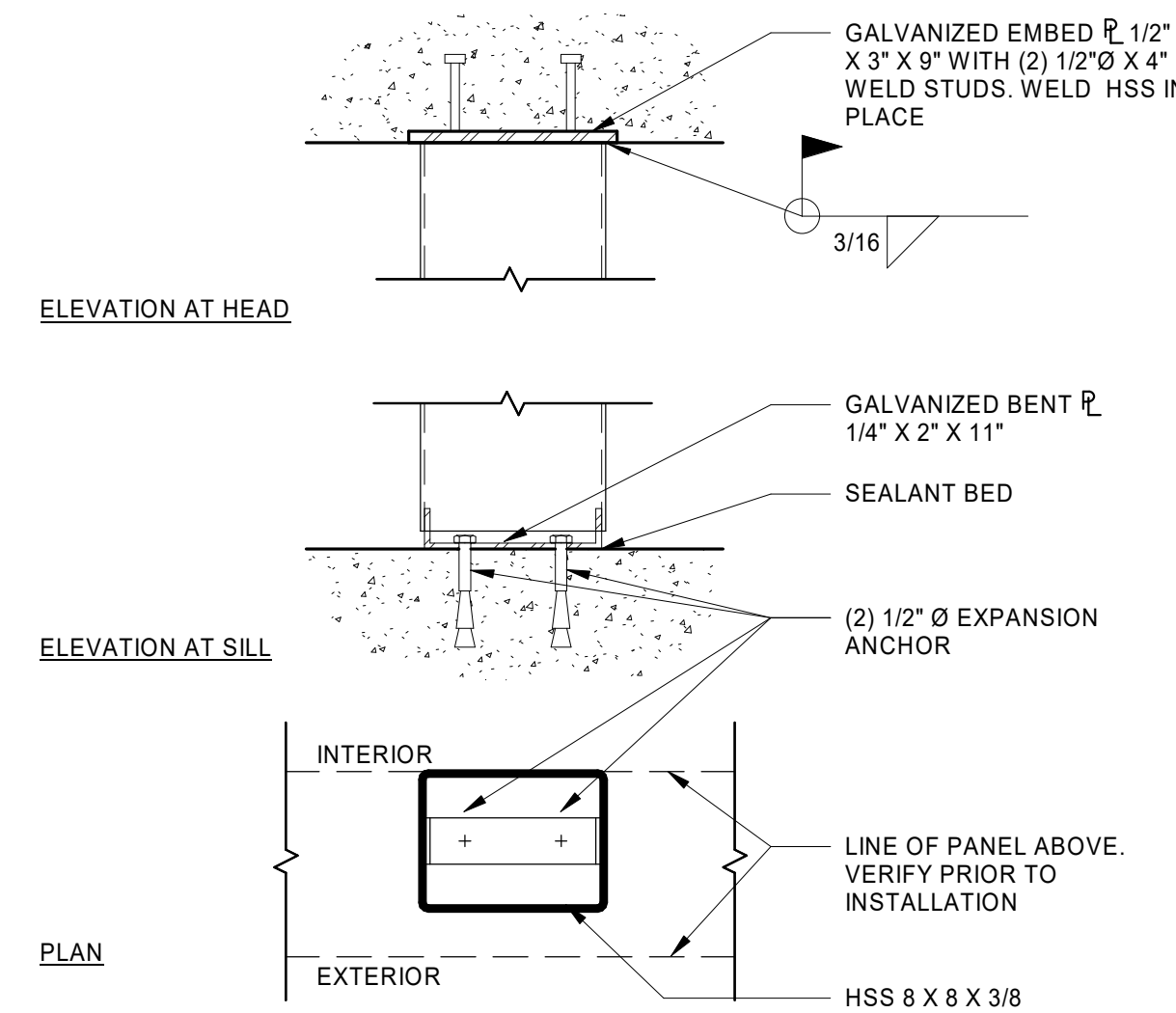
3 DRIVE-IN DOOR JAMB
A5.12 3" = 1'-0"



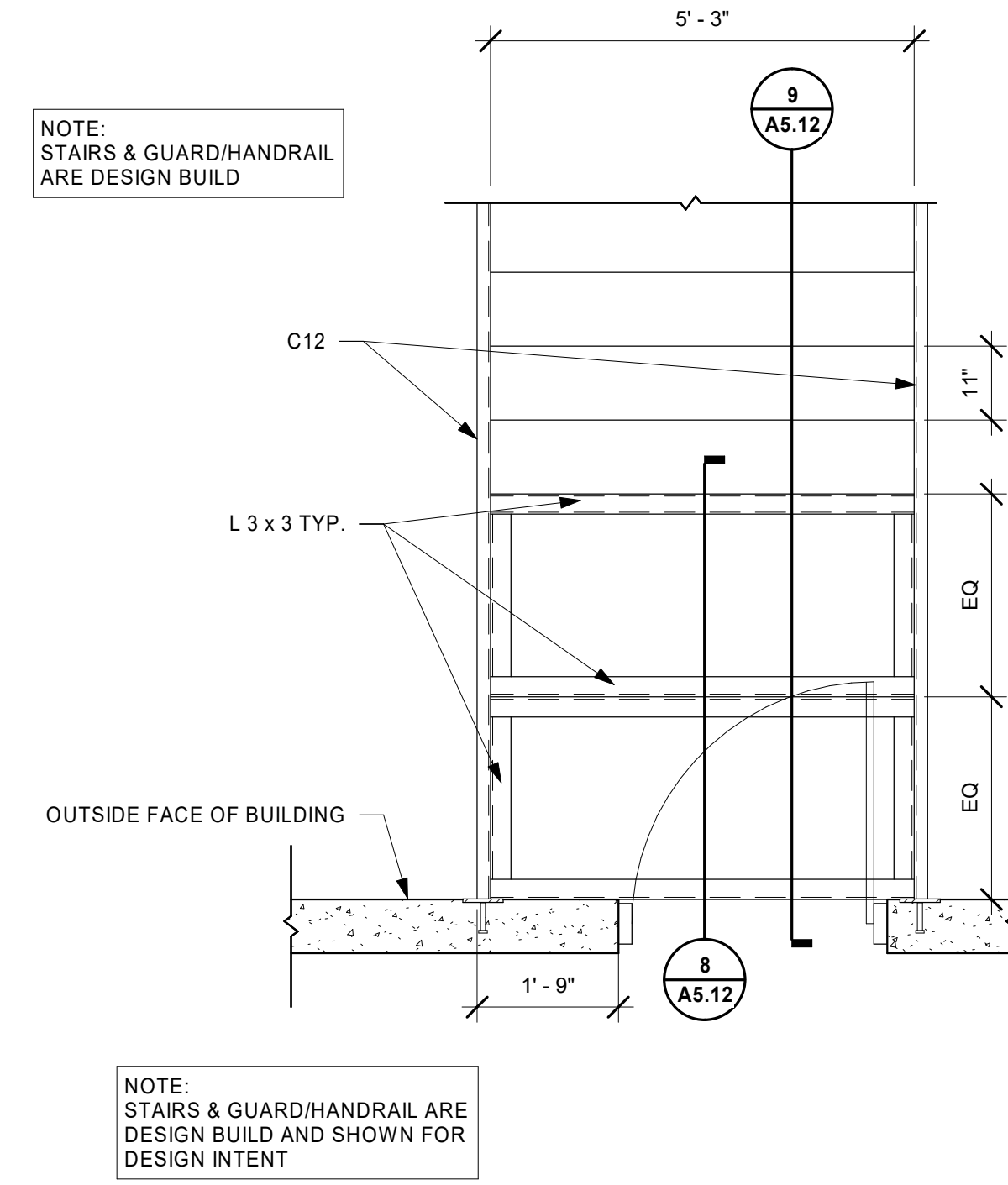
4 EXTERIOR DOOR JAMB/HEAD
A5.12 3" = 1'-0"



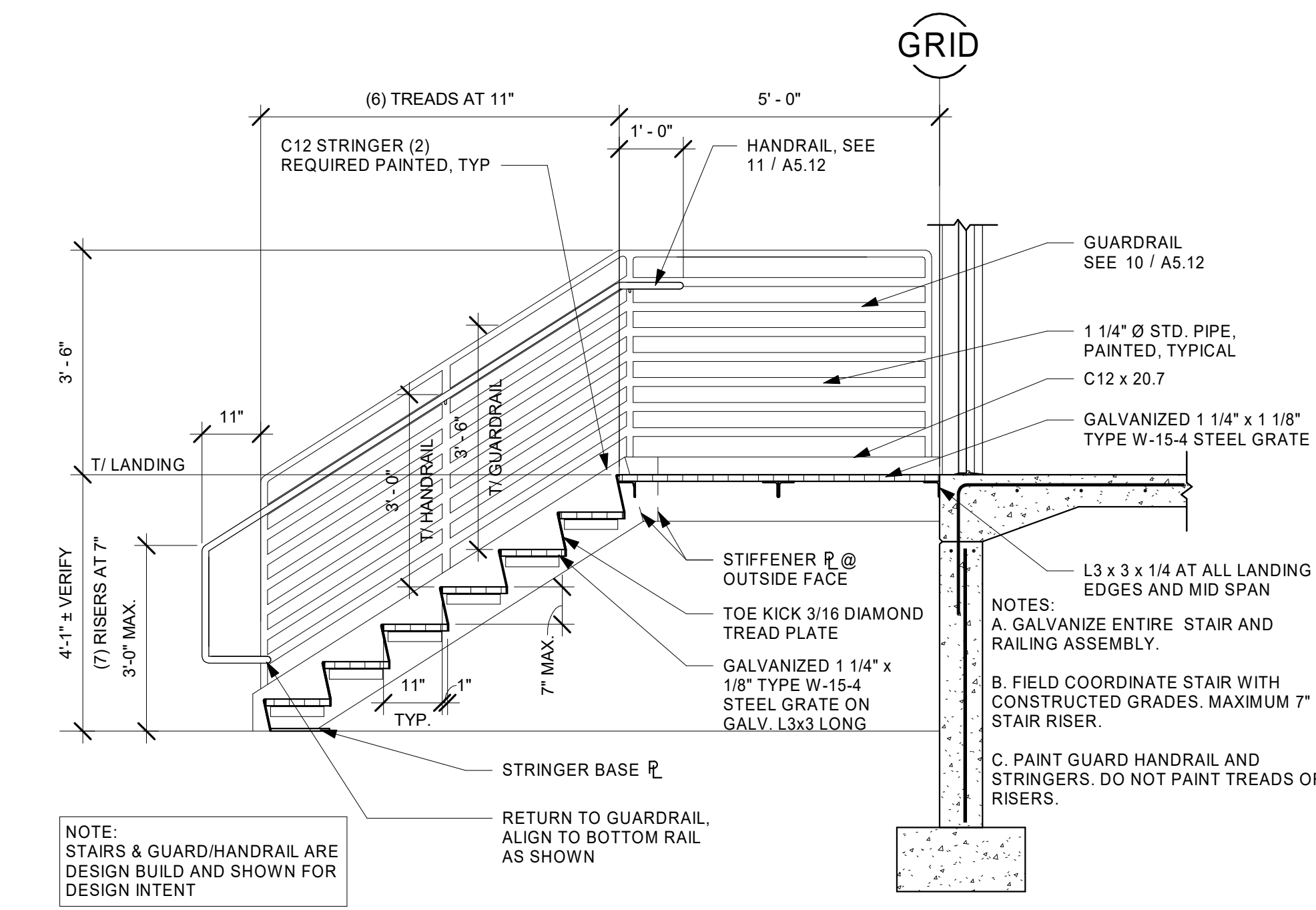
5 EXTERIOR TRANSOM WINDOW
A5.12 3" = 1'-0"



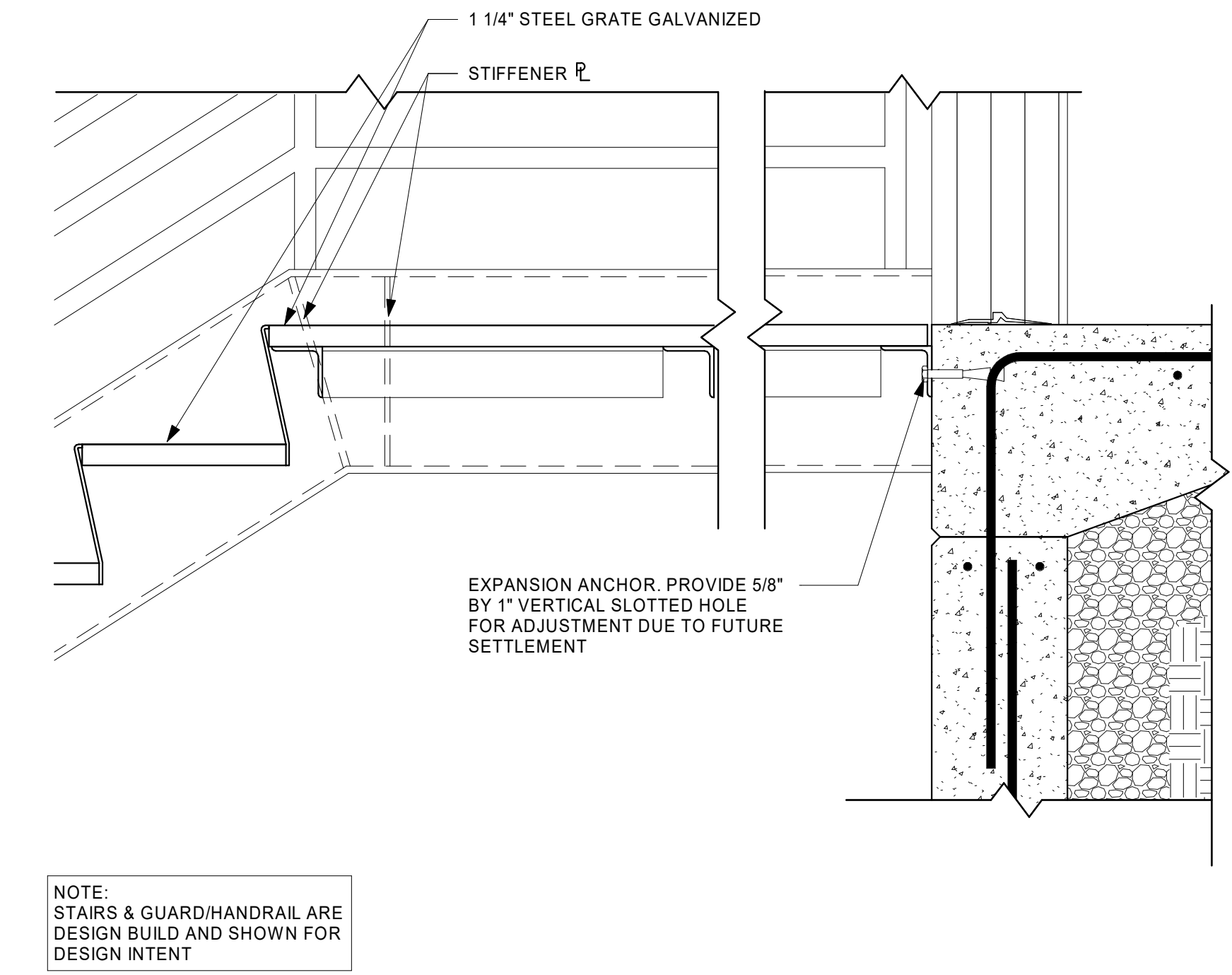
6 HSS CONNECTION AT SLAB PANEL
A5.12 1 1/2" = 1'-0"



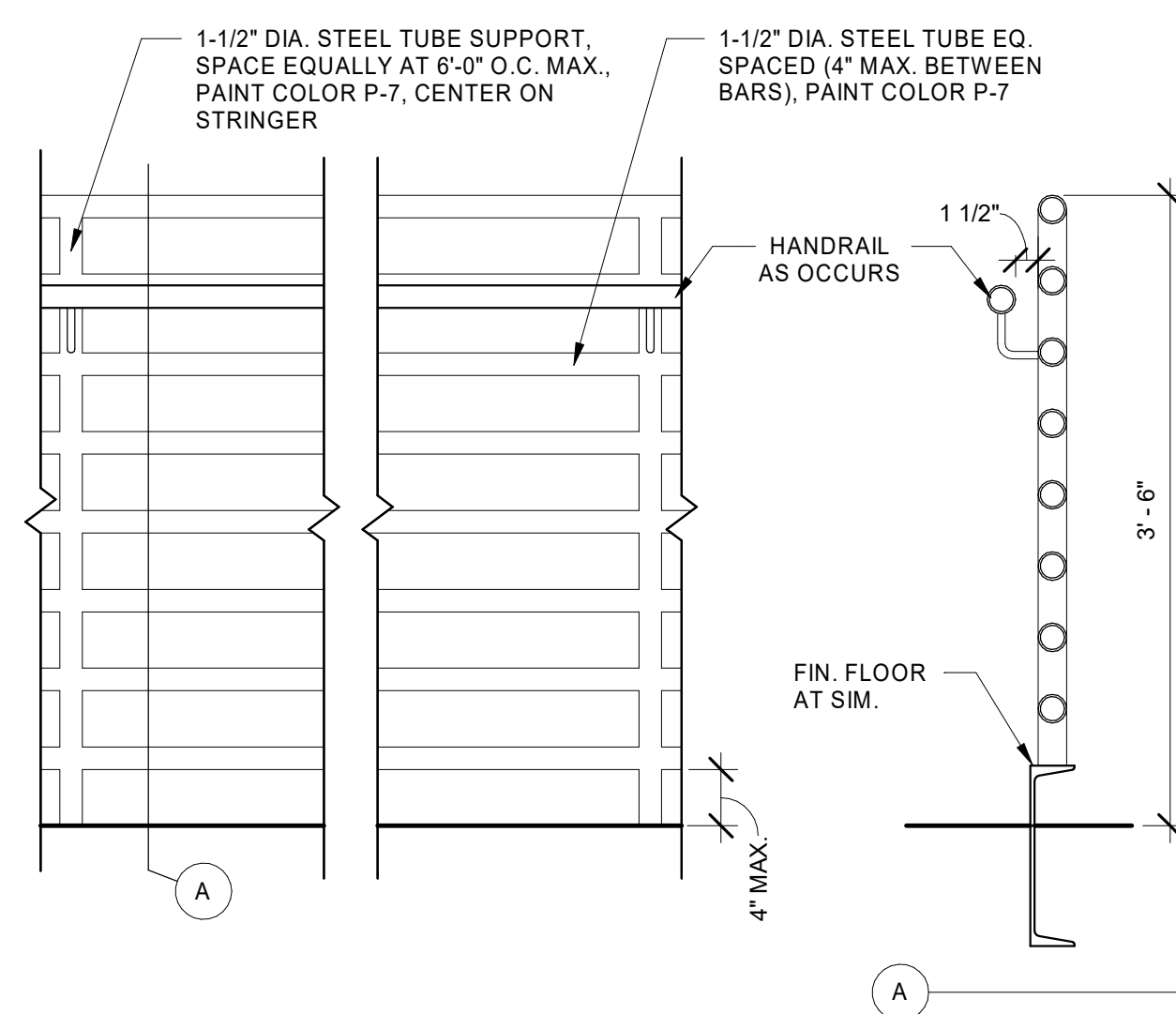
7 DESIGN BUILD - METAL STAIR FRAMING PLAN
A5.12 1/2" = 1'-0"



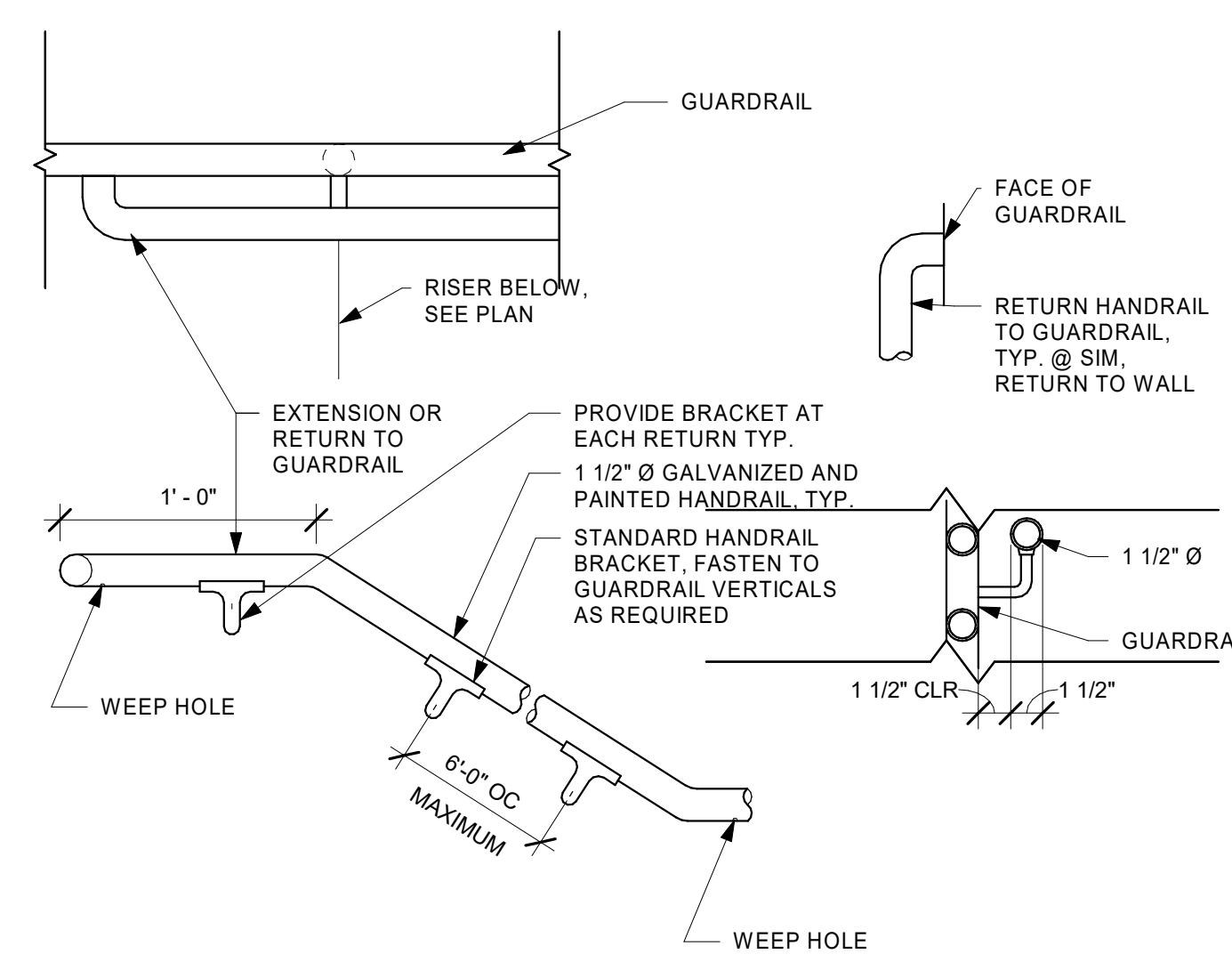
8 DESIGN BUILD - METAL STAIR SECTION
A5.12 1/2" = 1'-0"



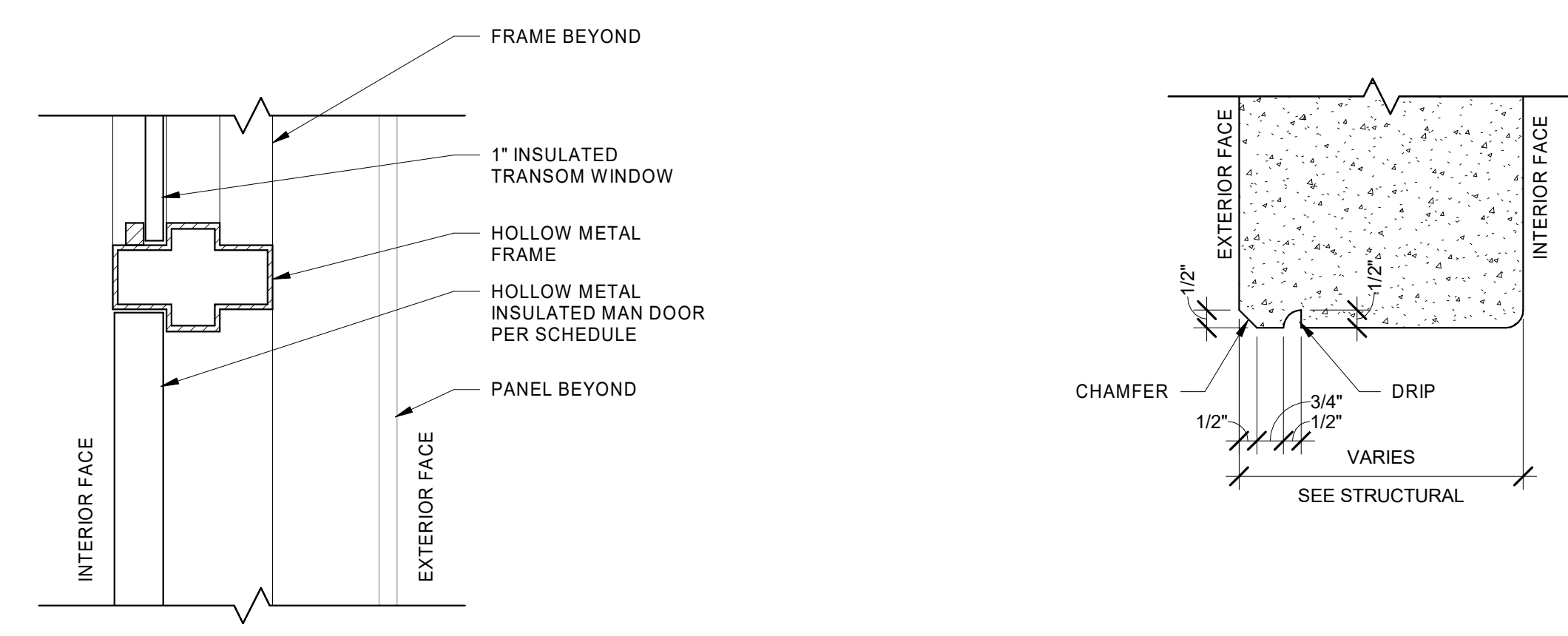
9 DESIGN BUILD - STAIR LANDING SECTION
A5.12 1 1/2" = 1'-0"



10 DESIGN BUILD - TYPICAL GUARD RAIL ELEVATION
A5.12 1" = 1'-0"



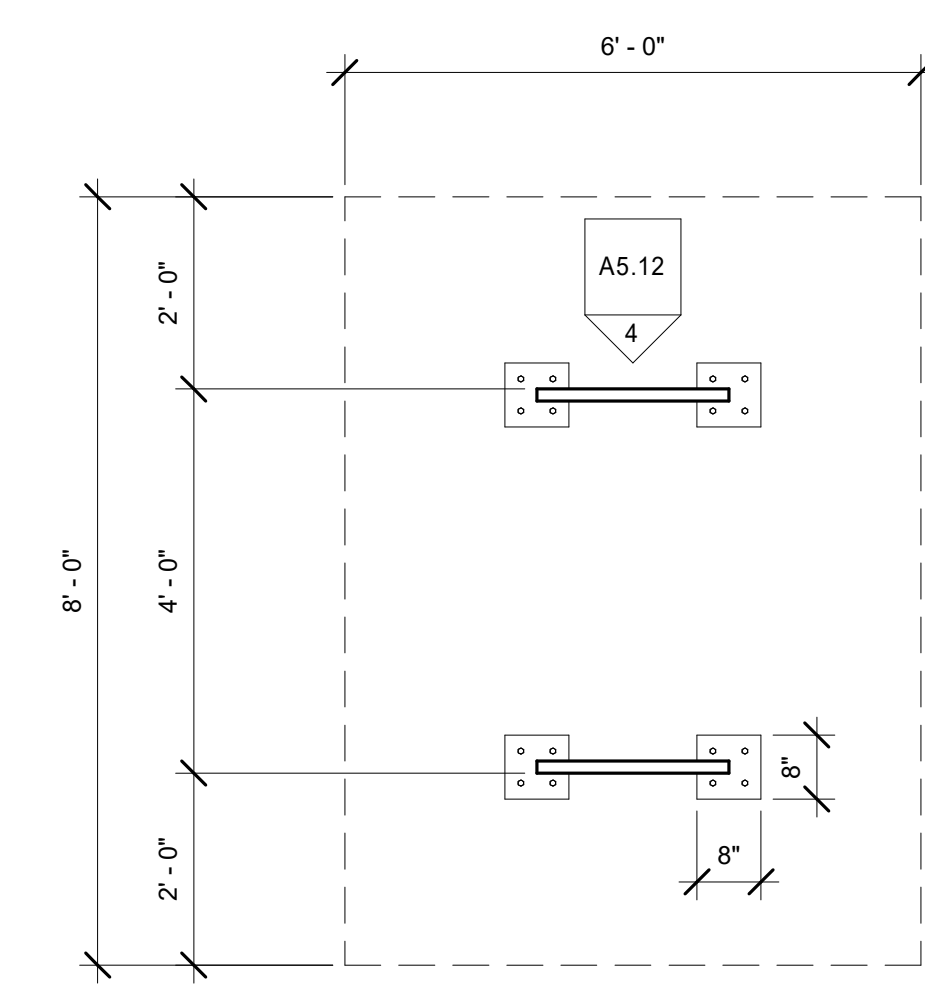
11 DESIGN BUILD - TYPICAL HANDRAIL AT EXT. METAL STAIR
A5.12 1 1/2" = 1'-0"



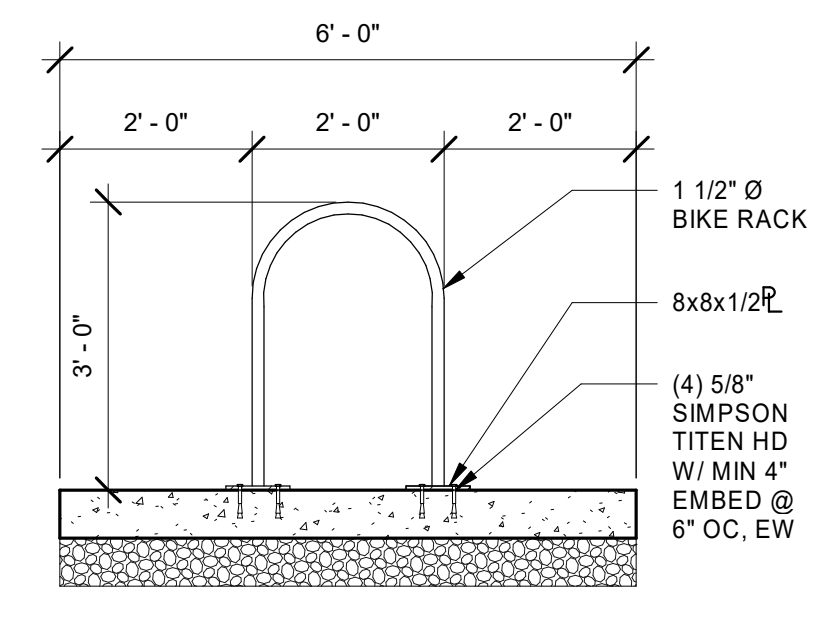
12 EXTERIOR TRANSOM WINDOW
A5.12 3" = 1'-0"

13 OVERHEAD CONCRETE DRIP
A5.12 3" = 1'-0"

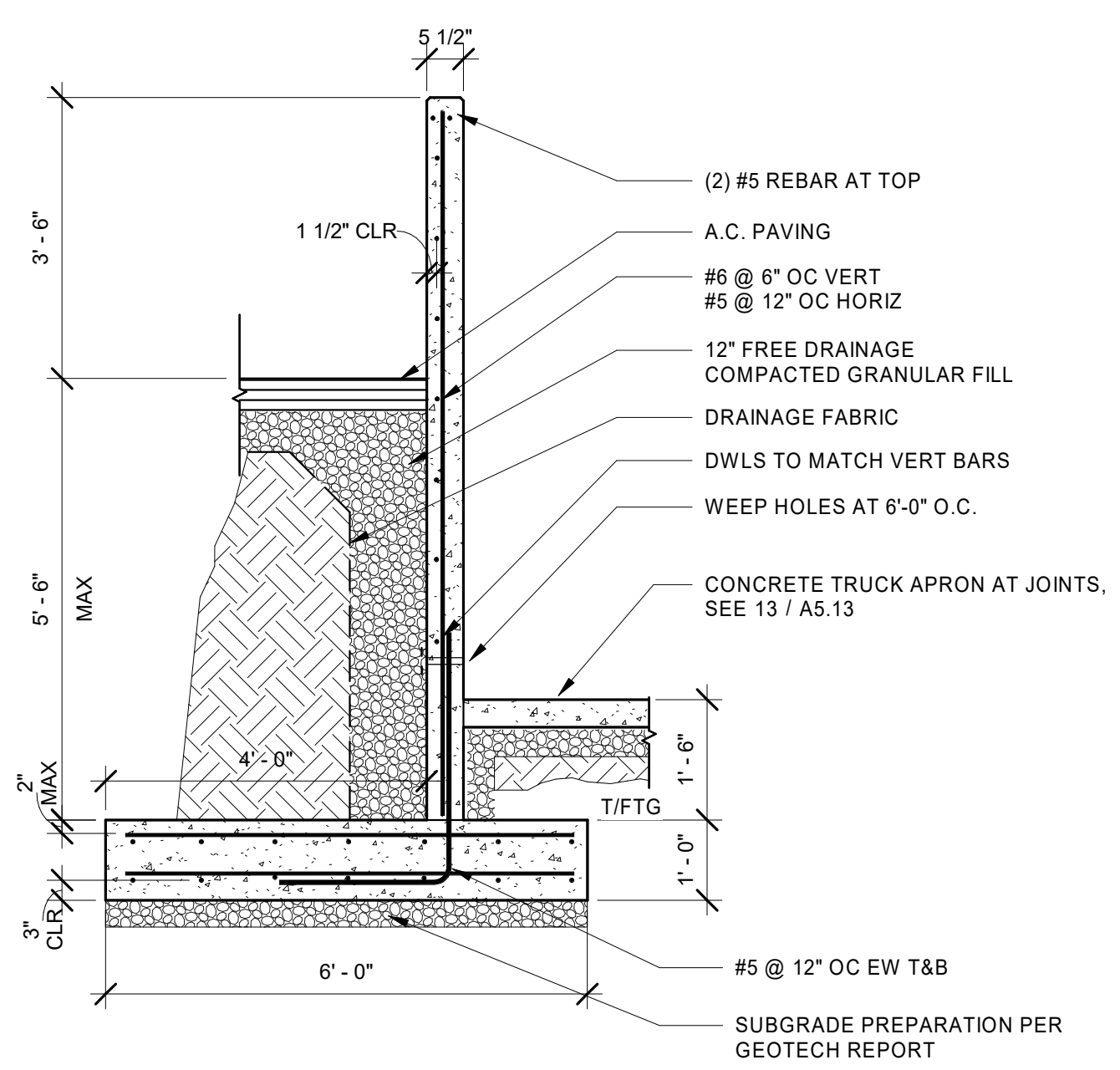
REVISION SCHEDULE		
Date	Issued As	Issue Date



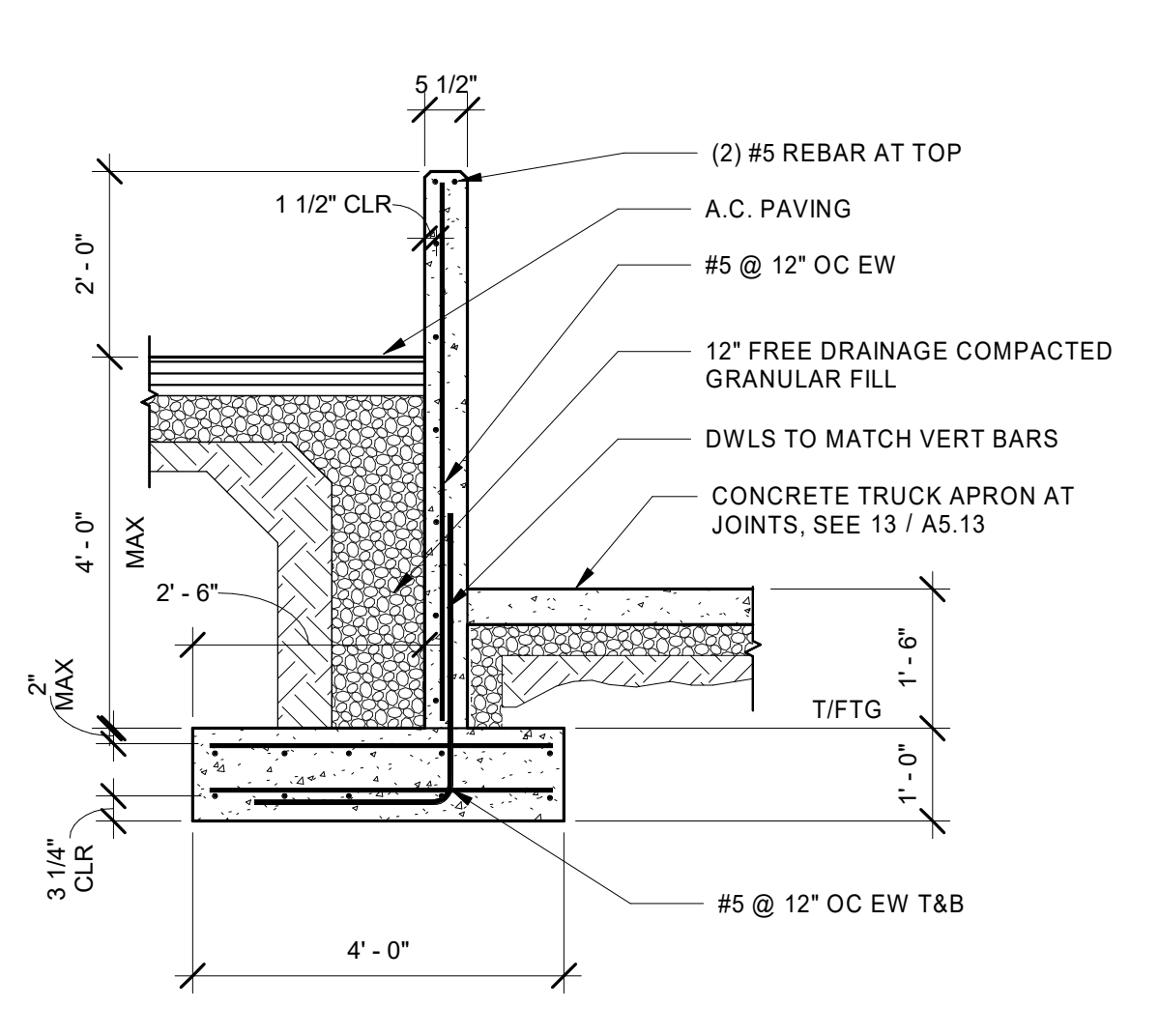
8 BIKE RACK PLAN
 A5.13 1/2" = 1'-0"



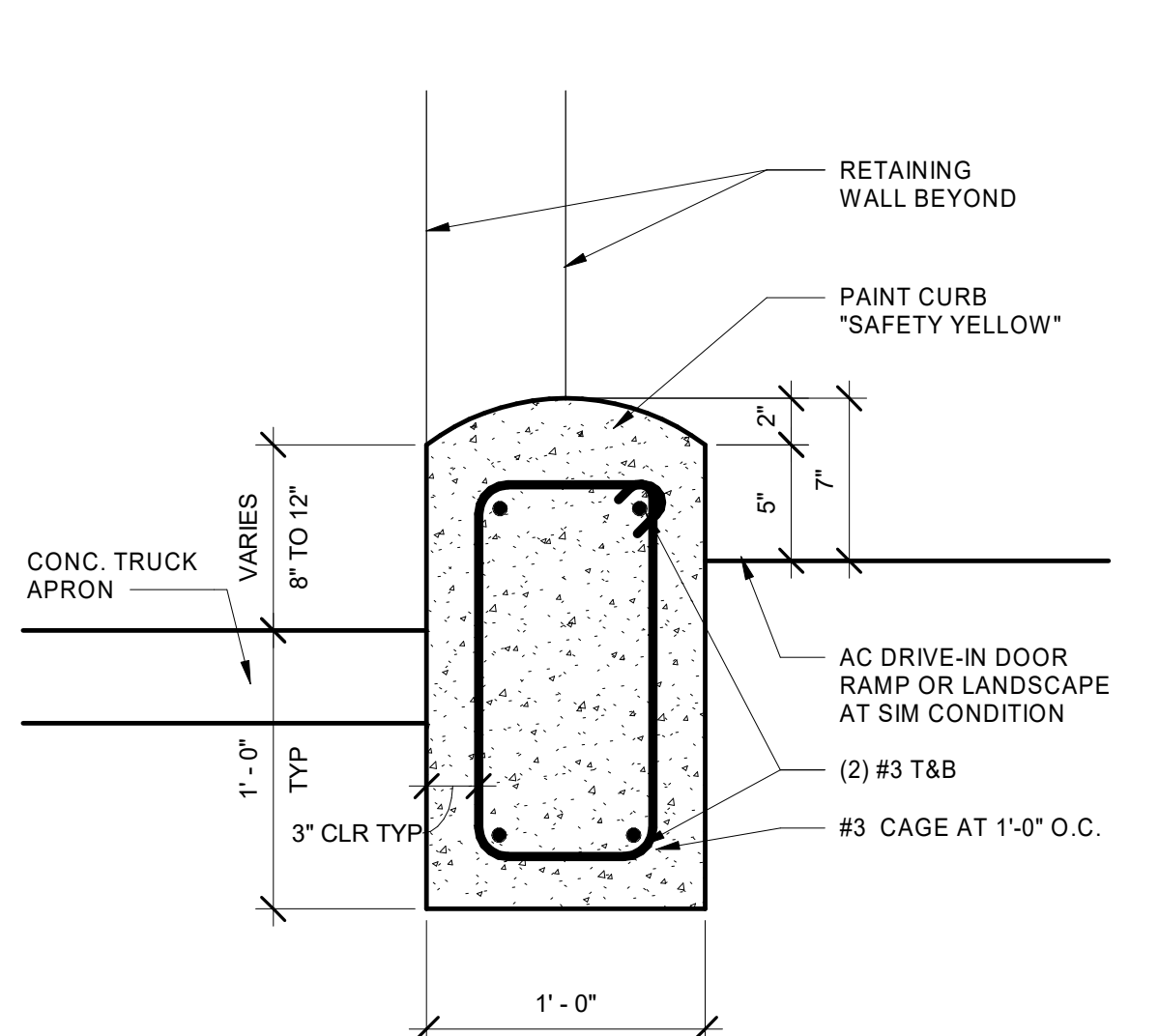
9 BIKE RACKS ELEVATION
 A5.13 1/2" = 1'-0"



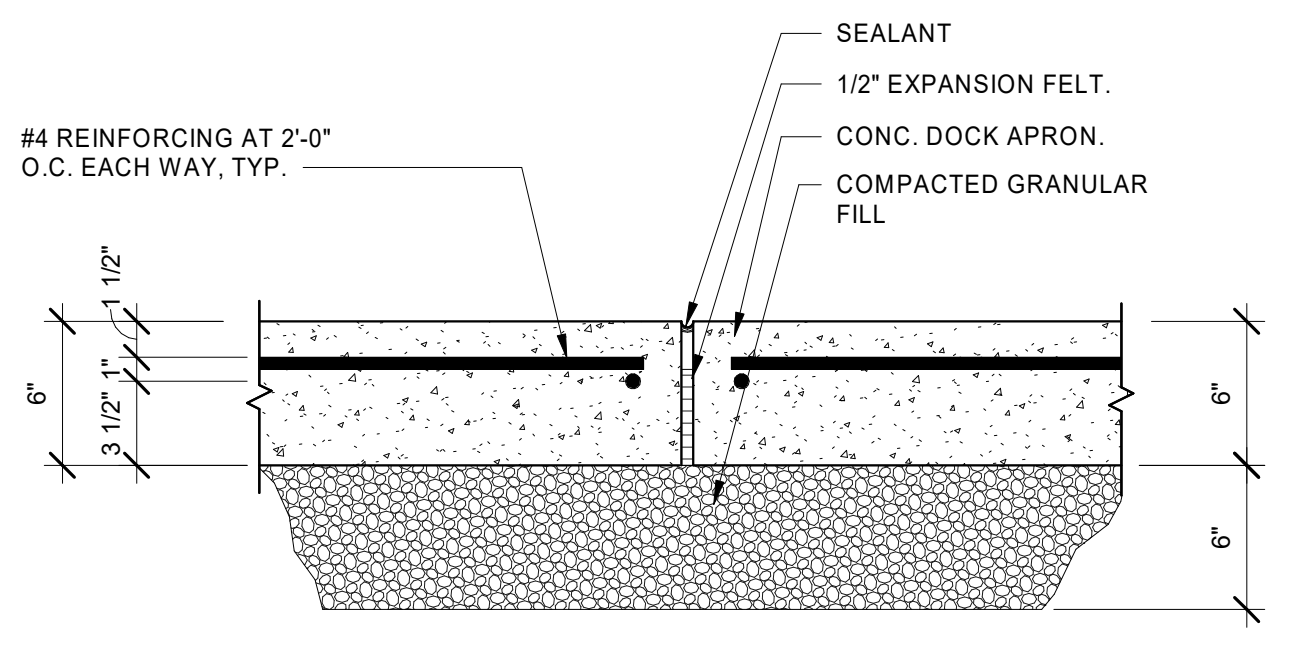
10 RETAINING WALL SECTION
 A5.13 1/2" = 1'-0"



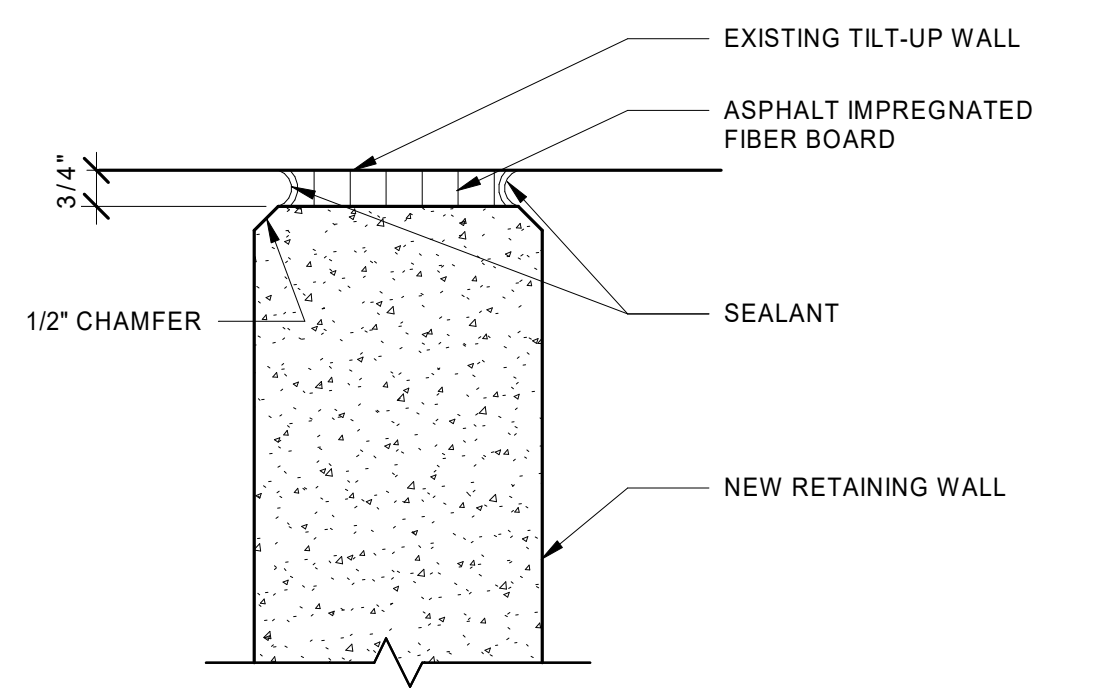
11 RETAINING WALL SECTION
 A5.13 1/2" = 1'-0"



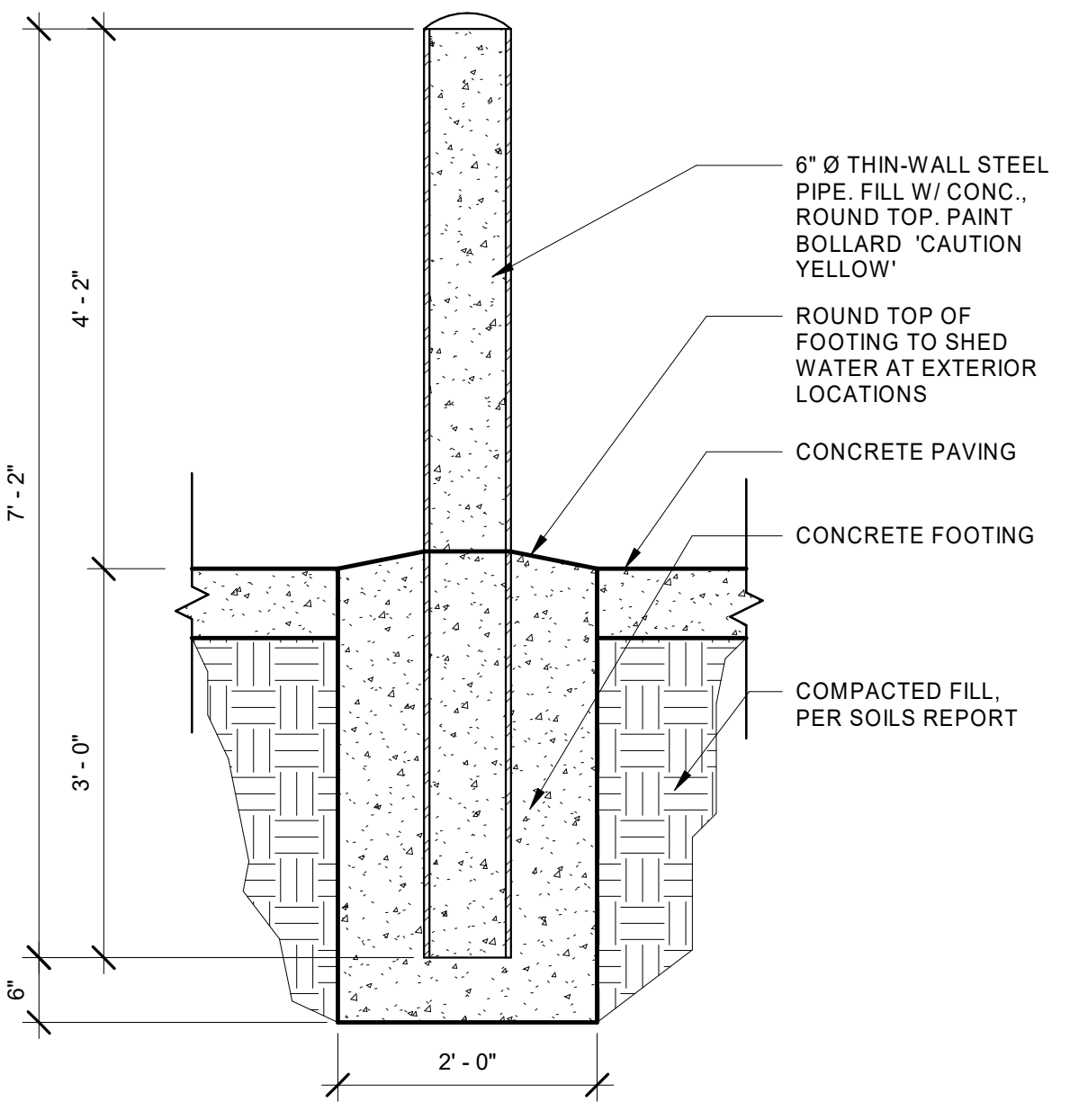
12 MOUNTABLE CURB
 A5.13 1 1/2" = 1'-0"



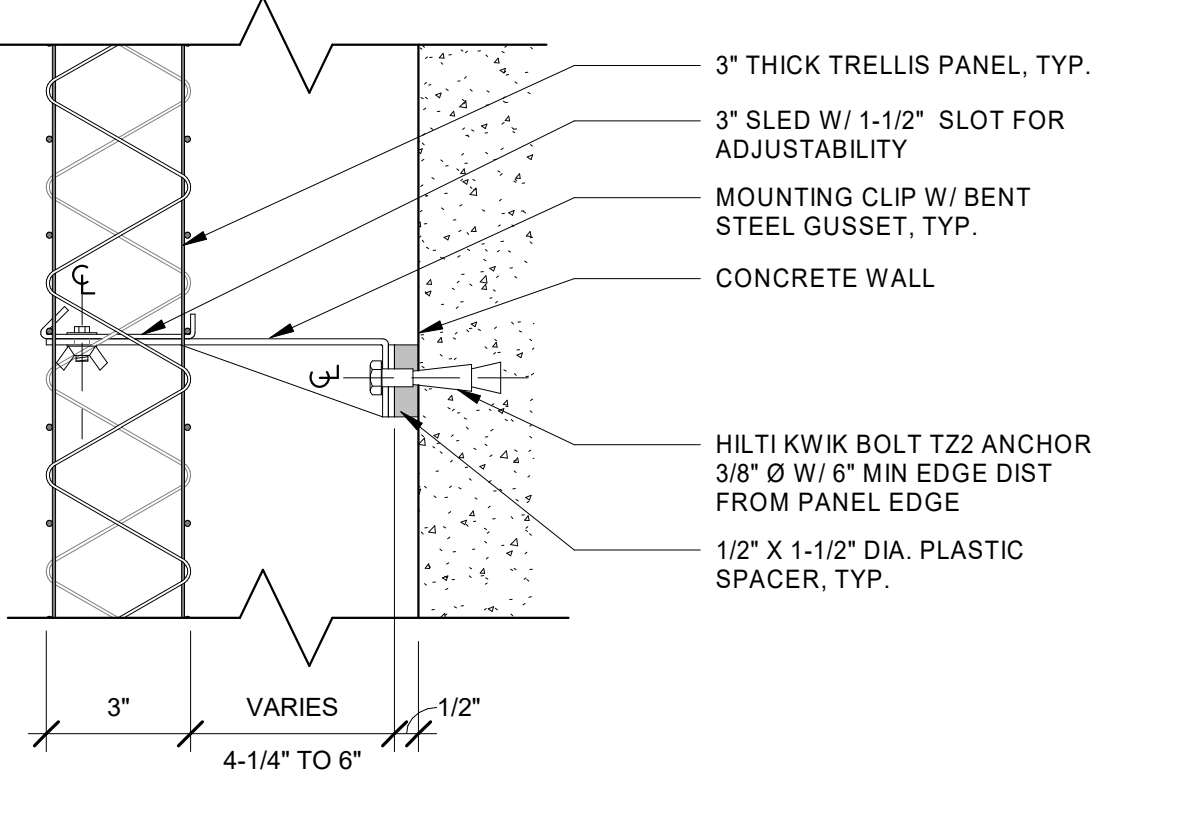
13 DOCK APRON JOINT
 A5.13 1 1/2" = 1'-0"



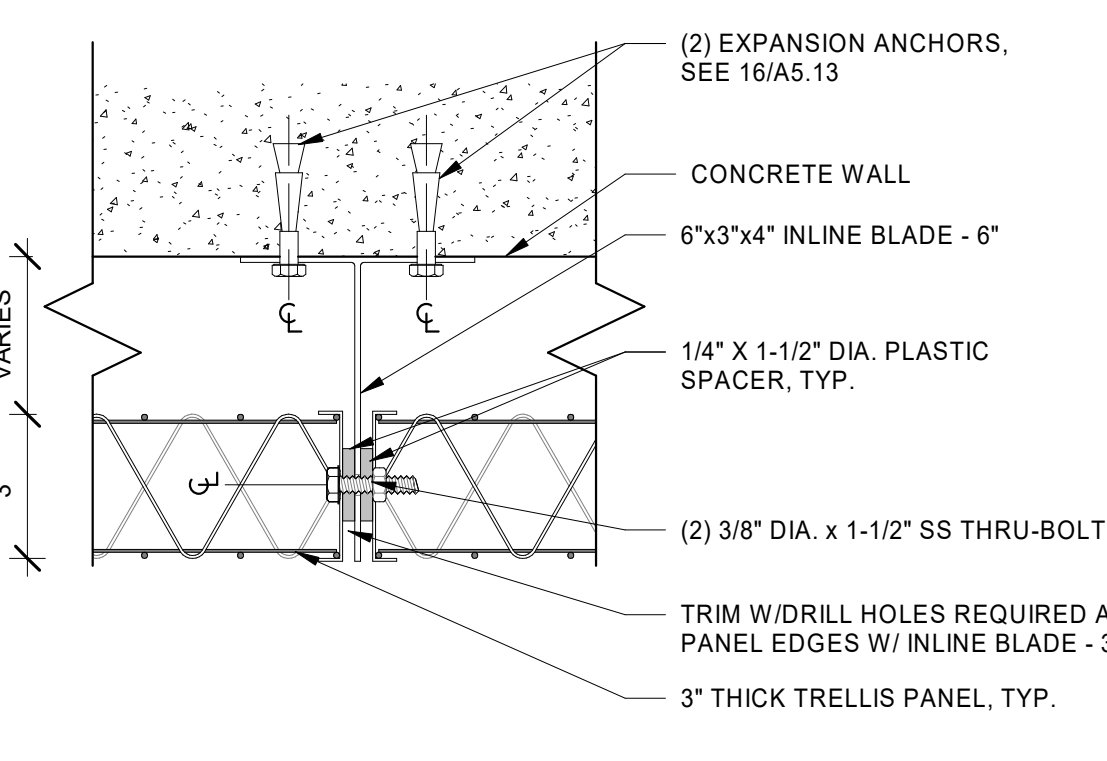
14 RETAINING WALL JOINT
 A5.13 3" = 1'-0"



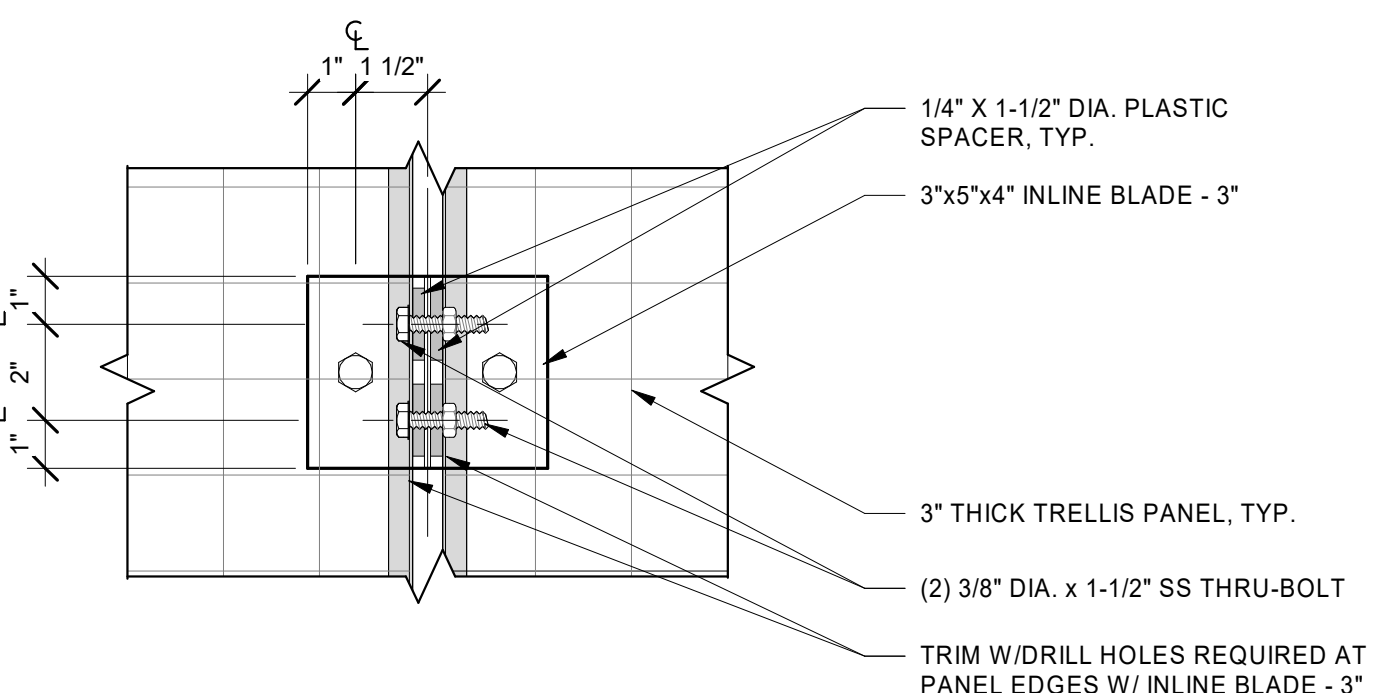
15 BOLLARD
 A5.13 3/4" = 1'-0"



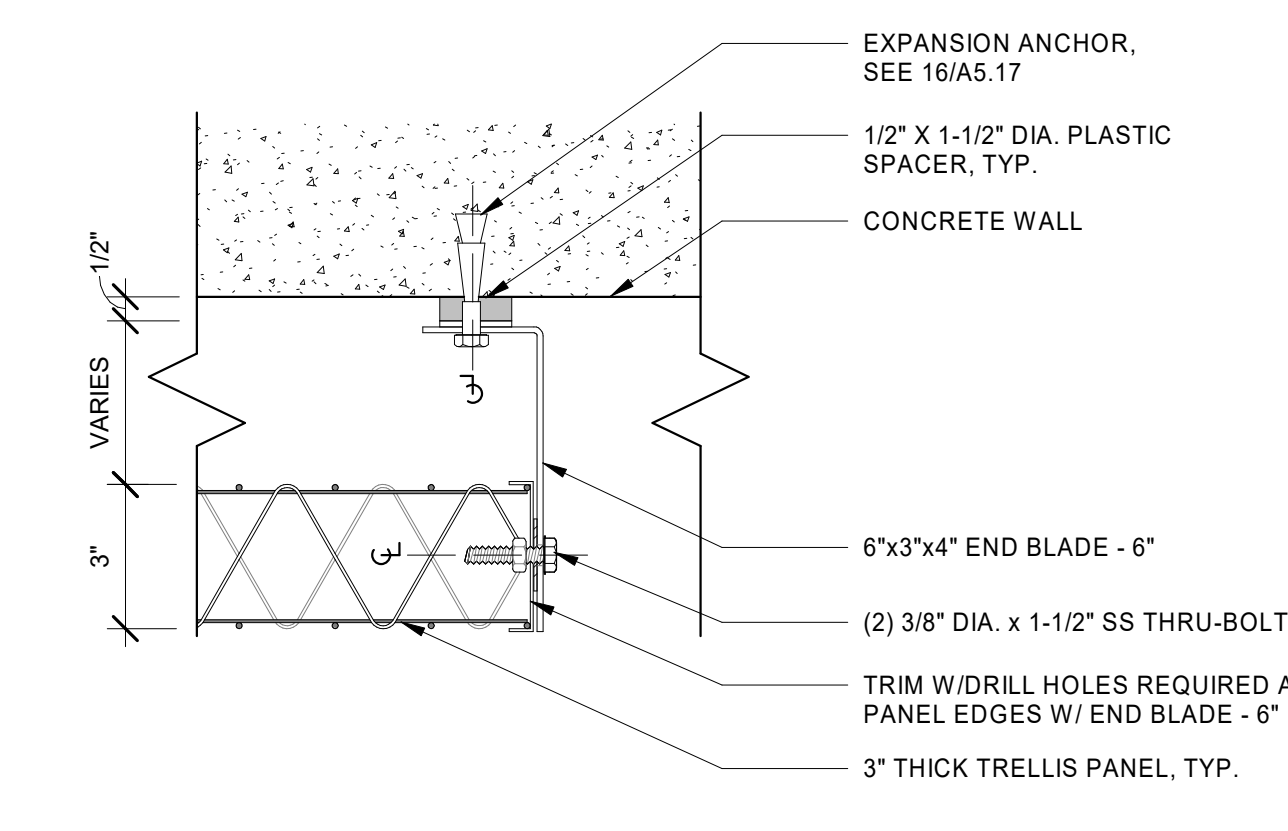
16 FACE OF TRELLIS PANEL TO FACE OF WALL
 A5.13 3" = 1'-0"



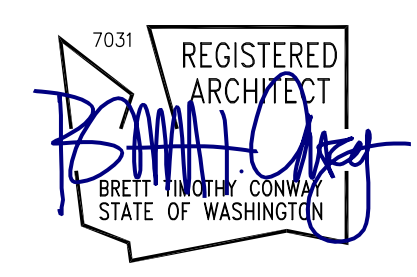
17 PLAN VIEW - TRELLIS INLINE BLADE
 A5.13 3" = 1'-0"



18 ELEVATION VIEW - TRELLIS INLINE BLADE
 A5.13 3" = 1'-0"



19 PLAN VIEW - TRELLIS PANEL END BLADE
 A5.13 3" = 1'-0"



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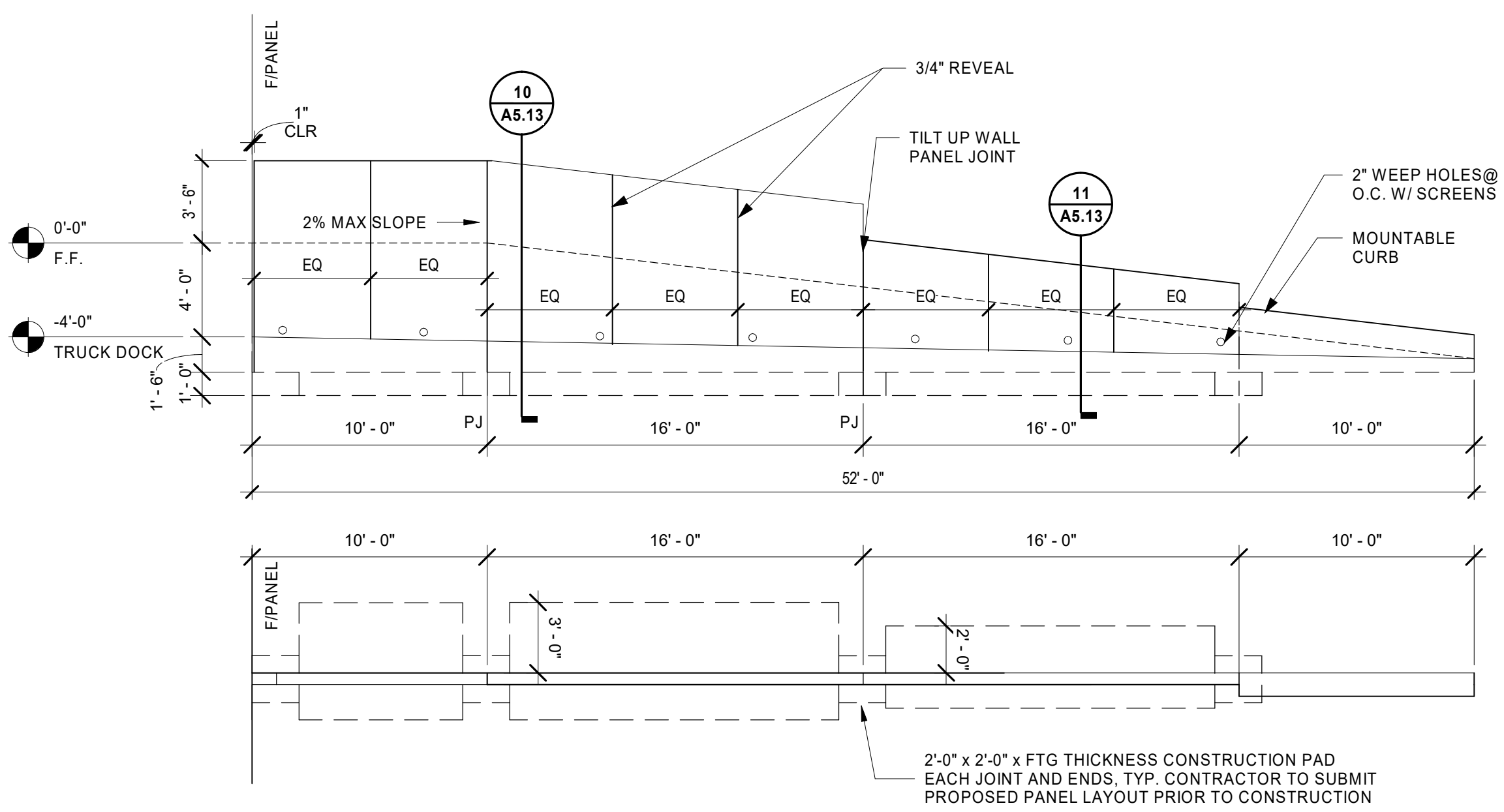
REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	PLAN CHECK	11/07/23

SHEET TITLE:
**EXTERIOR
 DETAILS**

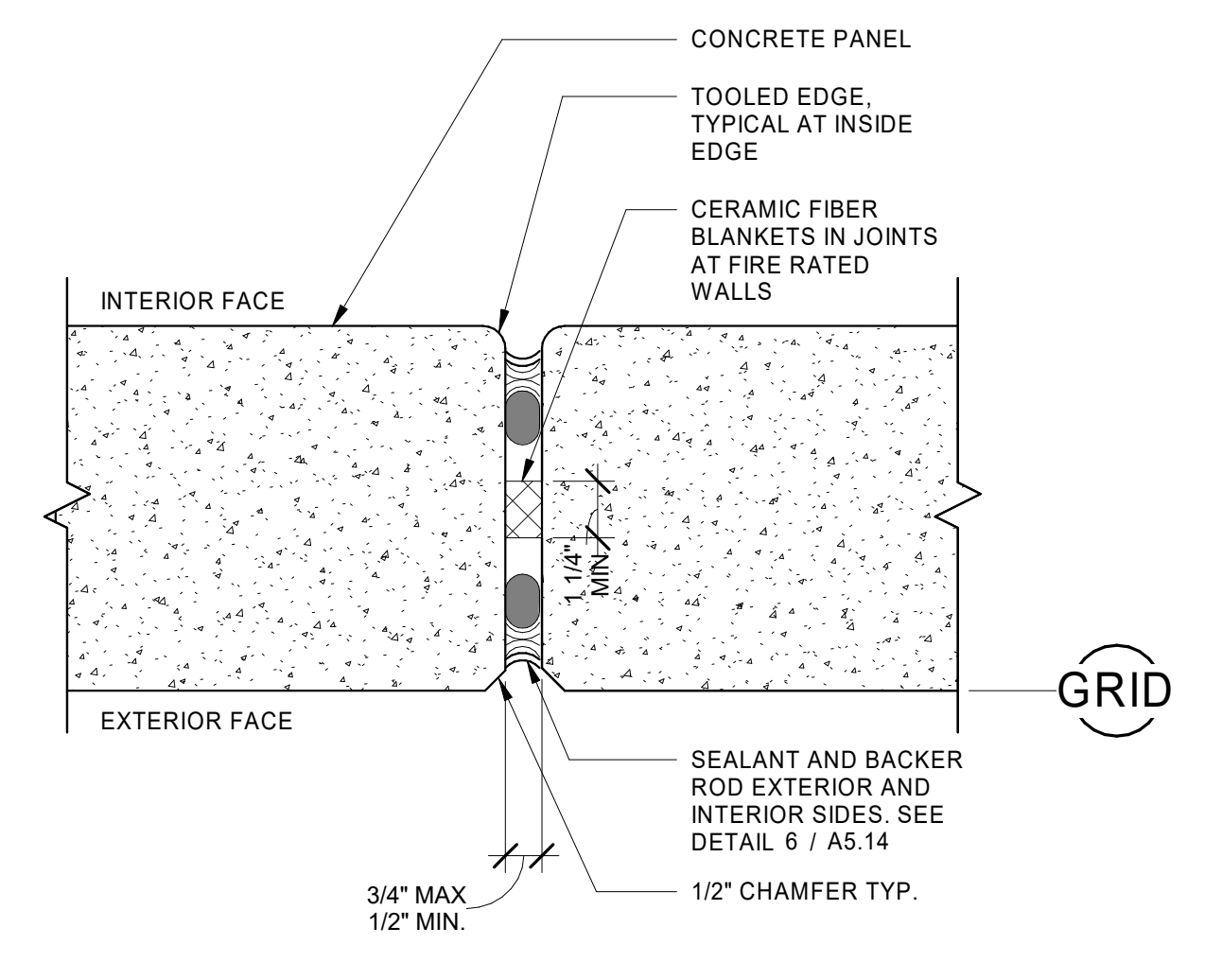
SHEET

A5.13

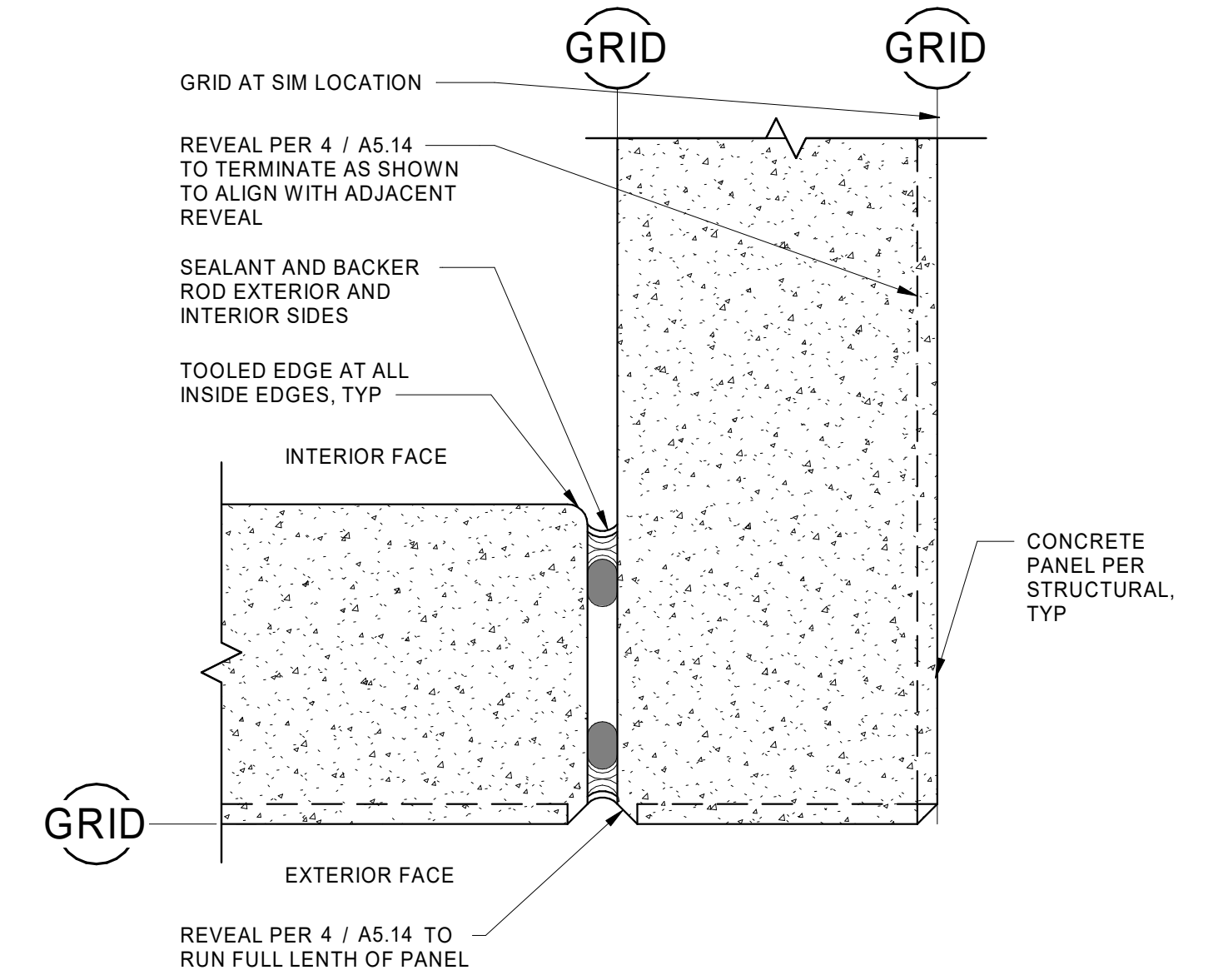
JOB NO. **2220290.00**



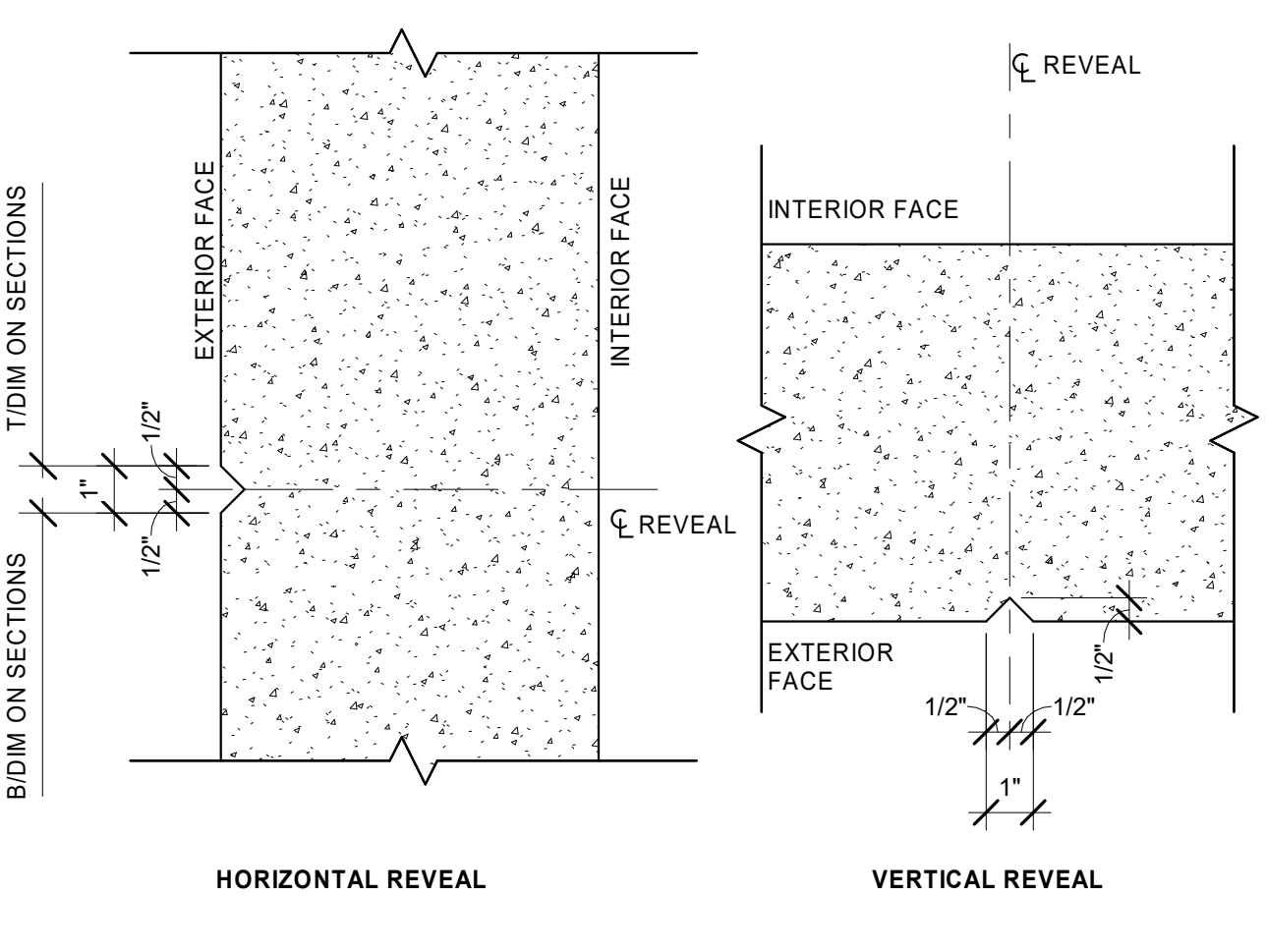
1 DOCK RAMP ELEVATION AND PLAN
AS.14 3/16" = 1'-0"



2 END TO END CONNECTION
AS.14 3" = 1'-0"



3 HORIZONTAL REVEAL AT OUTSIDE CORNER
AS.14 3" = 1'-0"



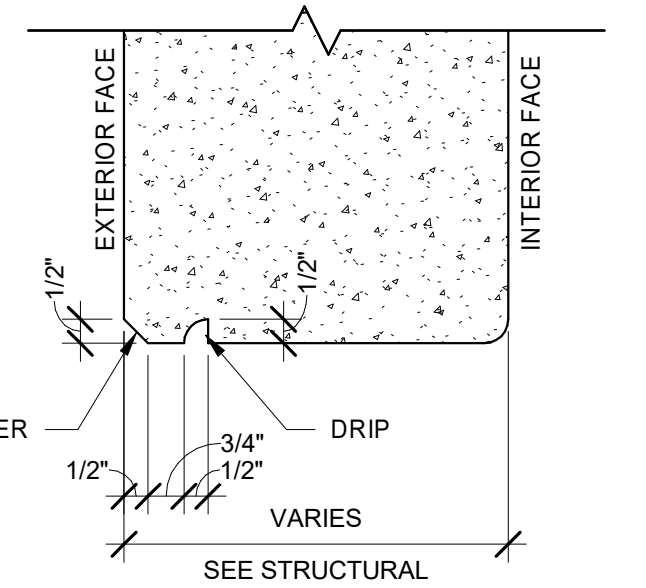
4 TYPICAL CONCRETE REVEAL
AS.14 3" = 1'-0"

NOTES:
DIMENSIONS A AND B MUST BE AT LEAST 1/4", JOINT SURFACE TOOLED CONCAVE

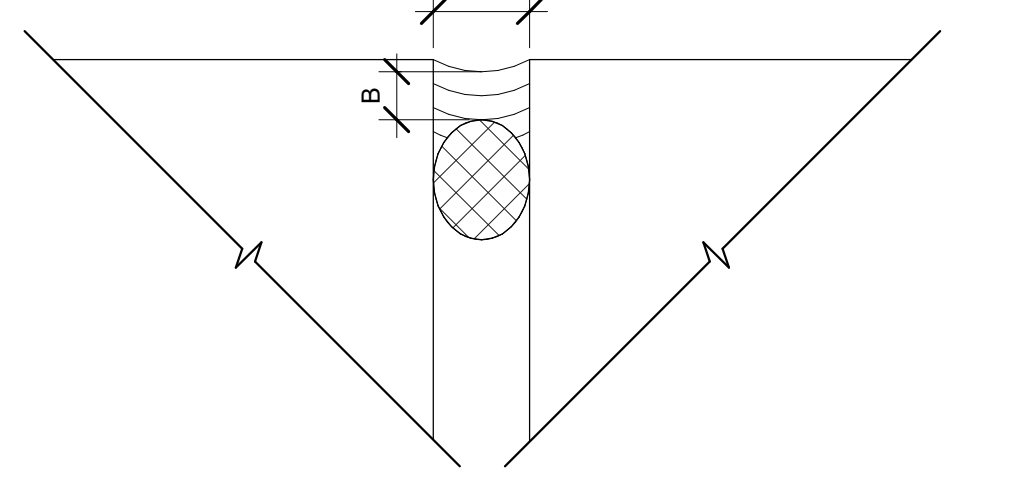
POROUS SUBSTRATES:
IF A = 1/4" - 1/2", THEN B = A.
IF A = 1/2" - 1", THEN A-B IS 2:1.
IF A = 1" - 2", THEN A-B IS 2:1 (WITH B NOT GREATER THAN 1/2").
IF A IS GREATER THAN 2", CONSULT THE MANUFACTURER.

NON-POROUS SUBSTRATES:
IF A = 1/4" - 1/2", THEN B = 1/4".
IF A = 1/2" - 1", THEN A-B IS 2:1 (WITH B NOT GREATER THAN 3/8").
IF A = 1" - 2", THEN B IS NOT GREATER THAN 3/8".
IF A IS GREATER THAN 2", CONSULT THE MANUFACTURER.

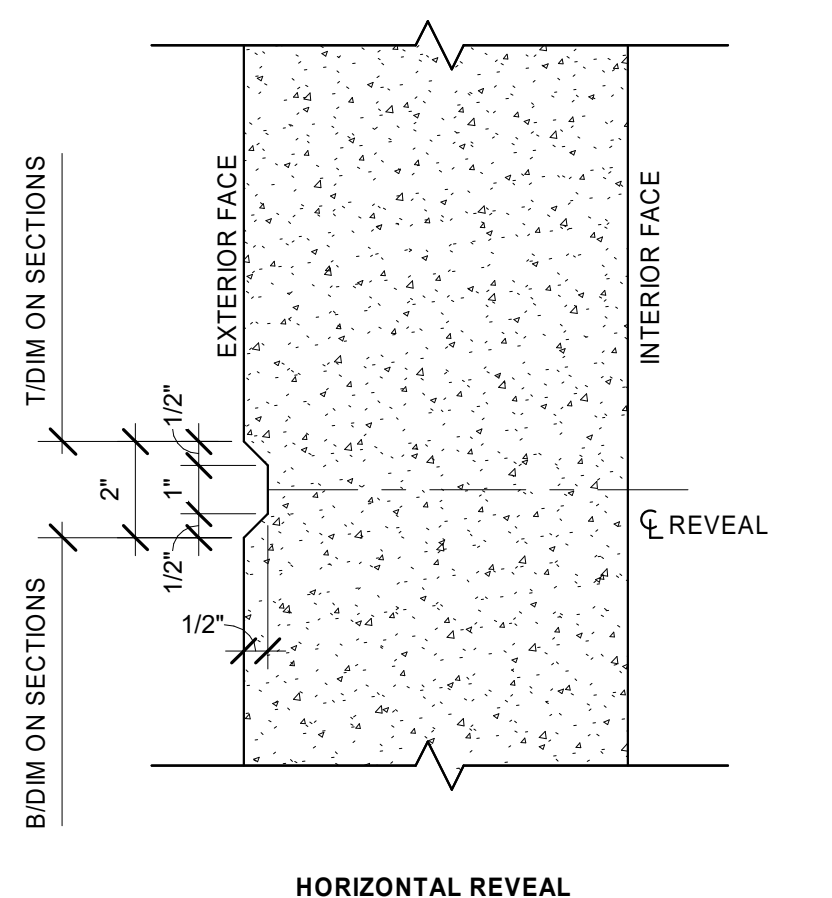
SEE MANUFACTURING SPECIFICATIONS FOR ADDITIONAL INFORMATION. IN THE EVENT OF A CONFLICT, MANUFACTURING REQUIREMENTS TAKE PRECEDENCE.



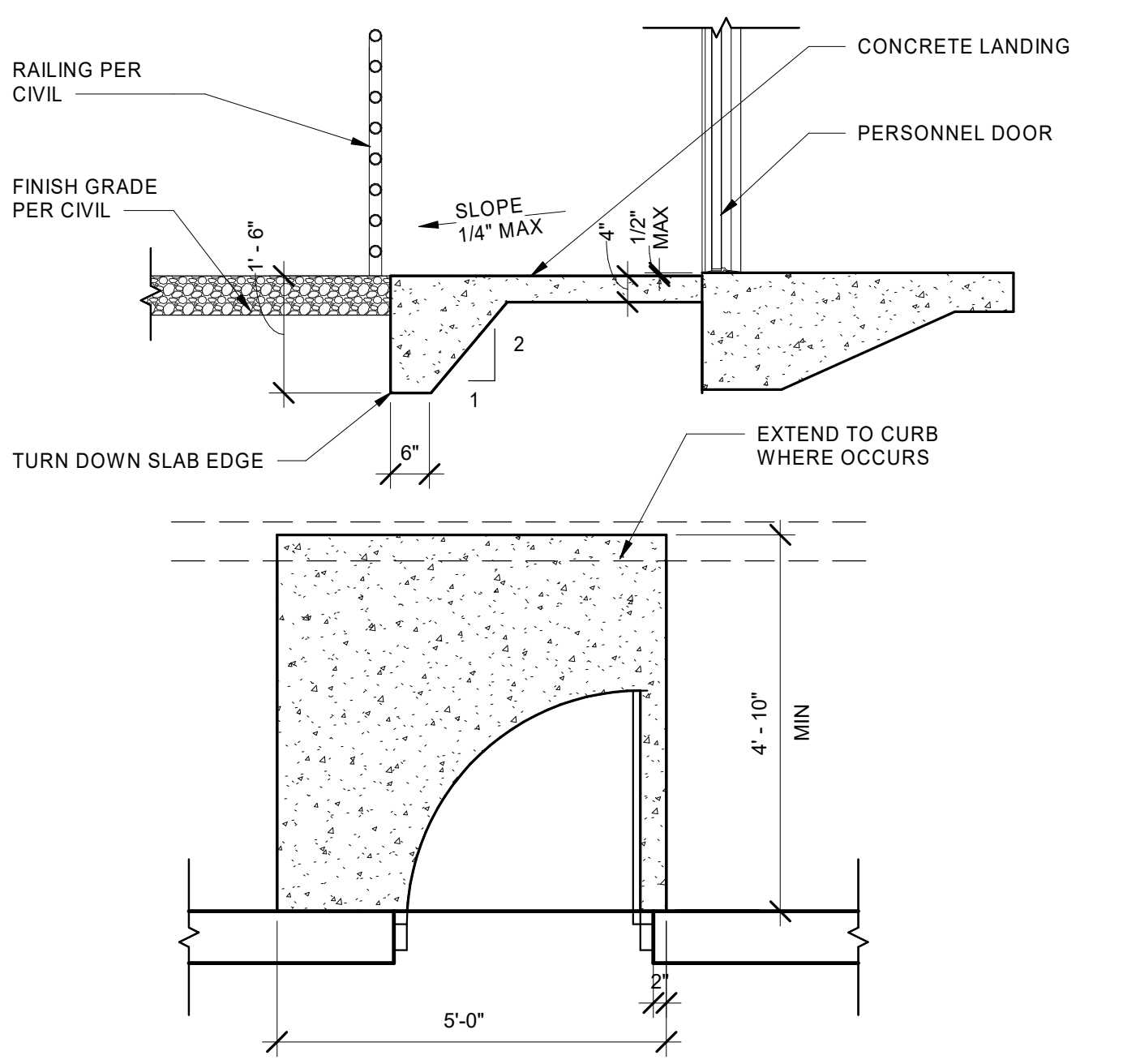
5 CONCRETE DRIP
AS.14 3" = 1'-0"



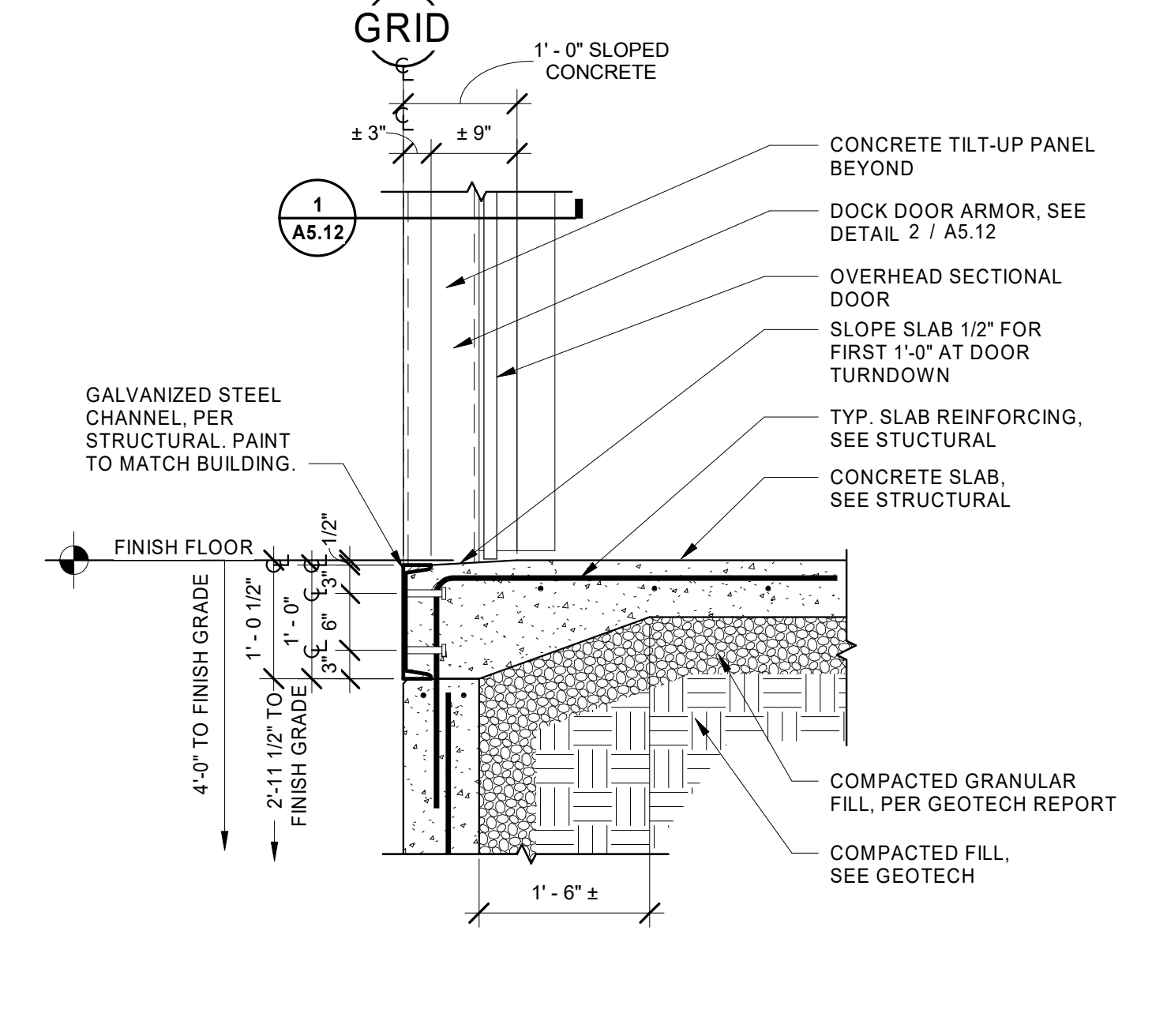
6 TYPICAL SEALANT JOINT
AS.14 1/2" = 1'-0"



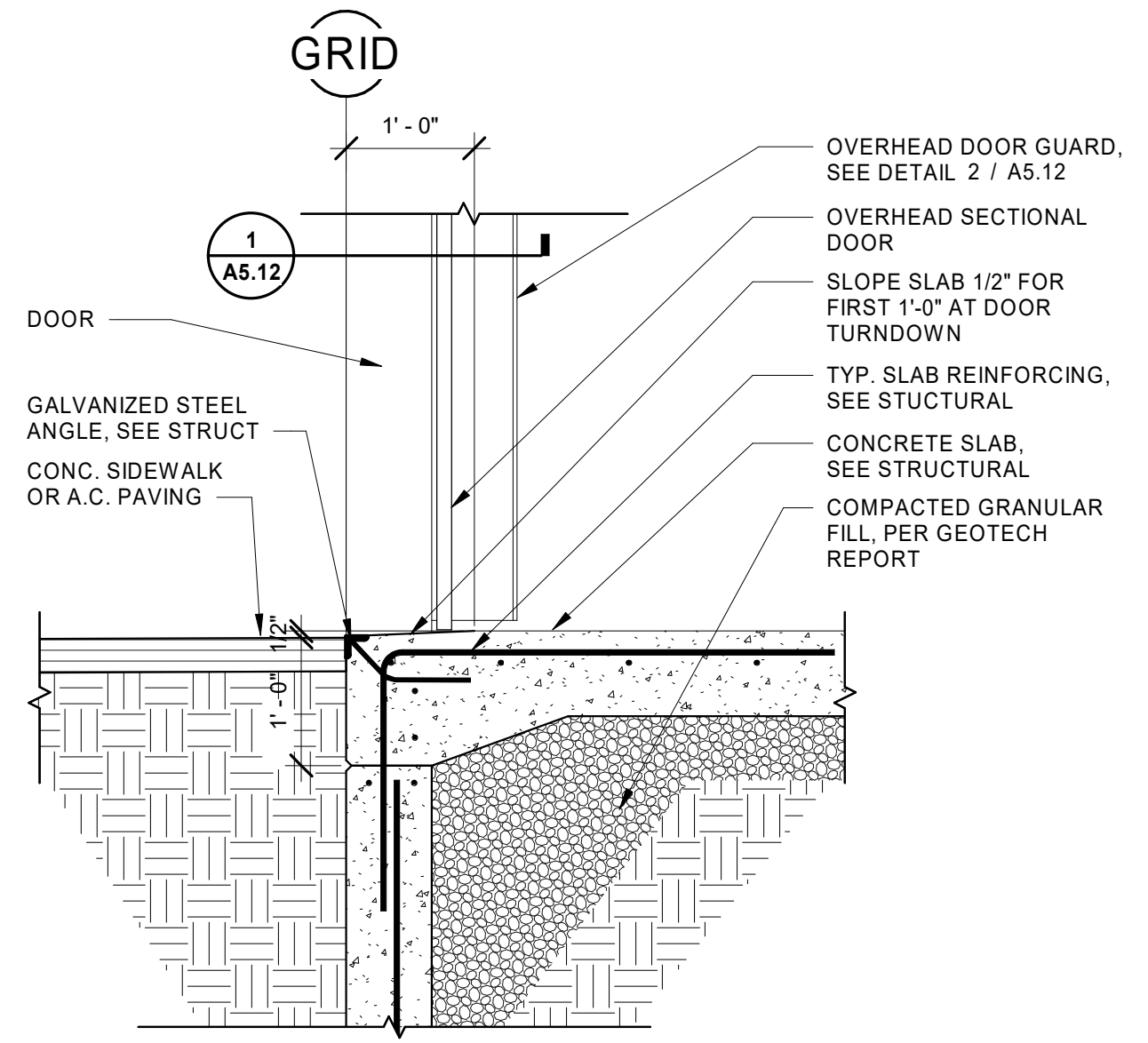
8 LARGE CONCRETE REVEAL
AS.14 3" = 1'-0"



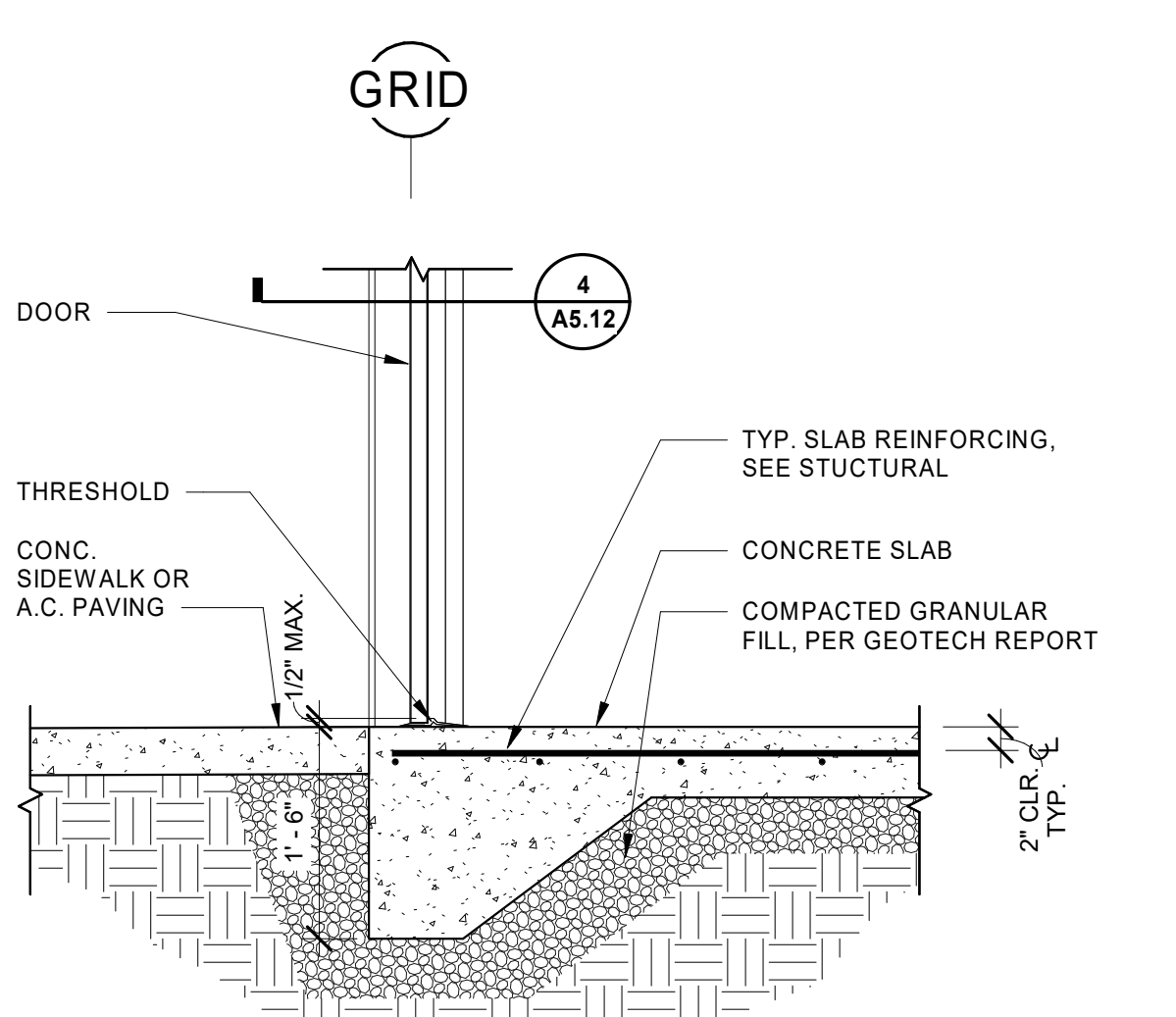
9 LANDING
AS.14 1/2" = 1'-0"



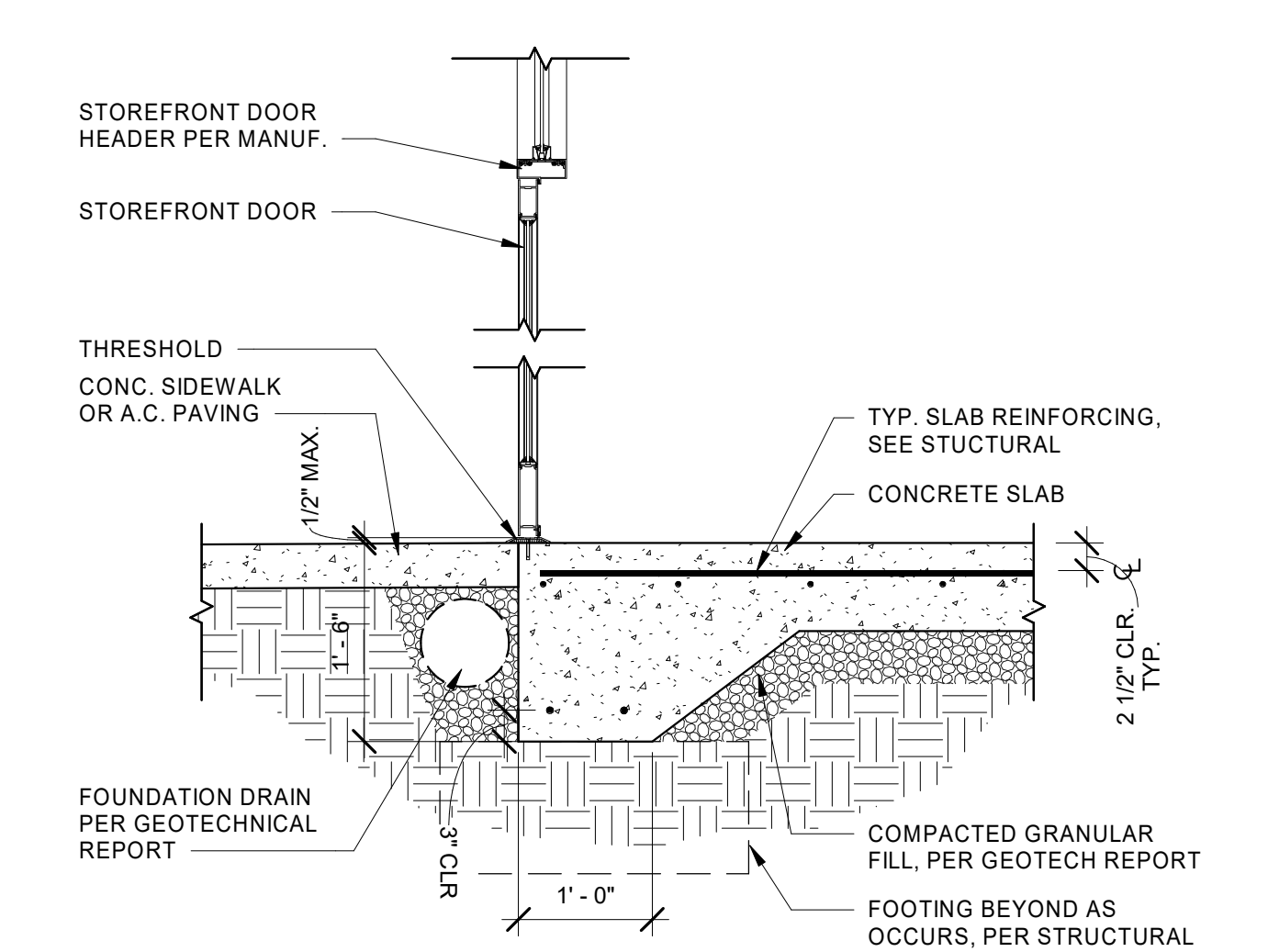
10 TURN DOWN SLAB EDGE AT DOCK DOOR
AS.14 3/4" = 1'-0"



11 TURN DOWN SLAB EDGE AT DRIVE IN DOOR
AS.14 3/4" = 1'-0"

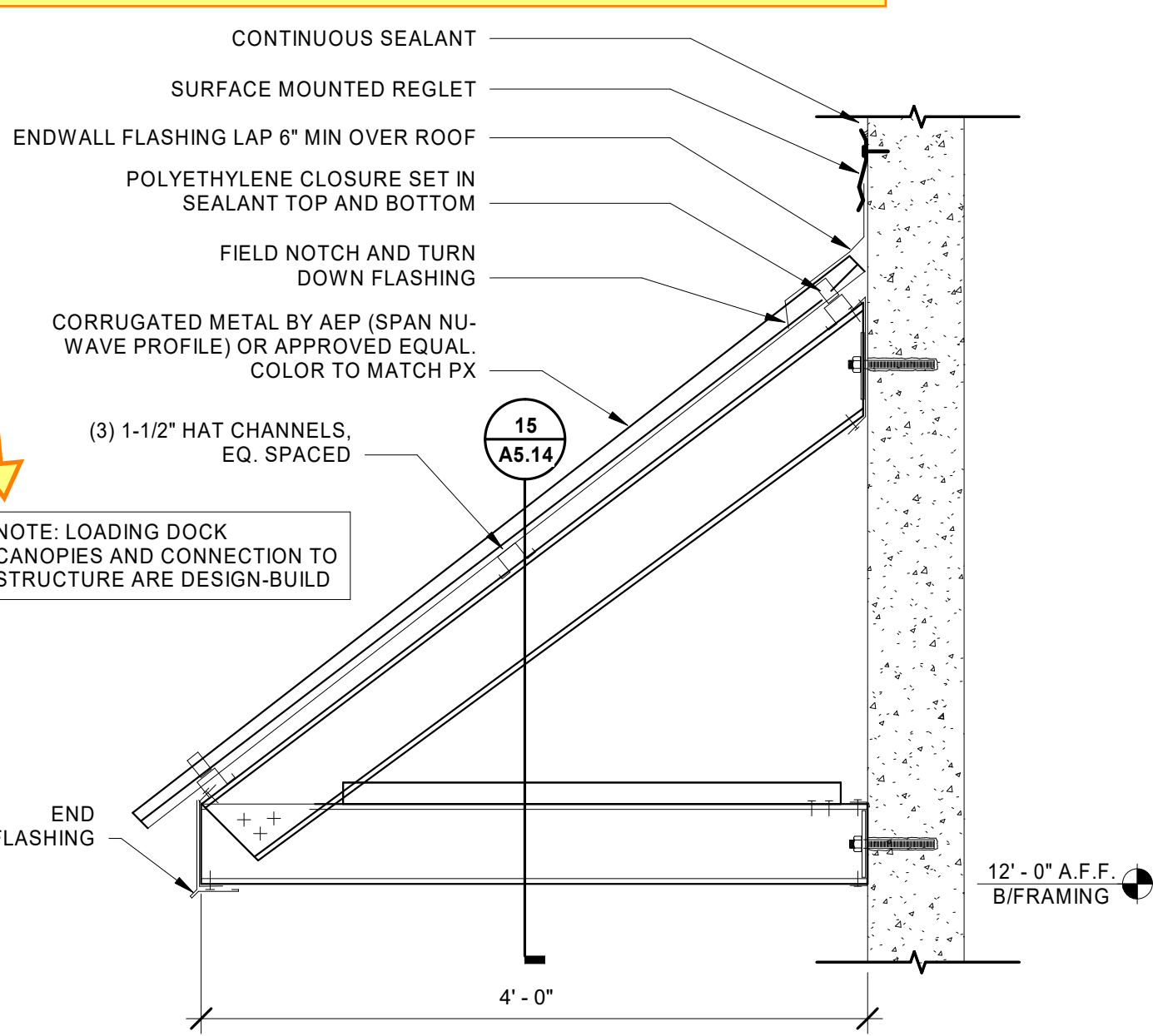


12 TURN DOWN AT PERSONNEL DOOR
AS.14 3/4" = 1'-0"

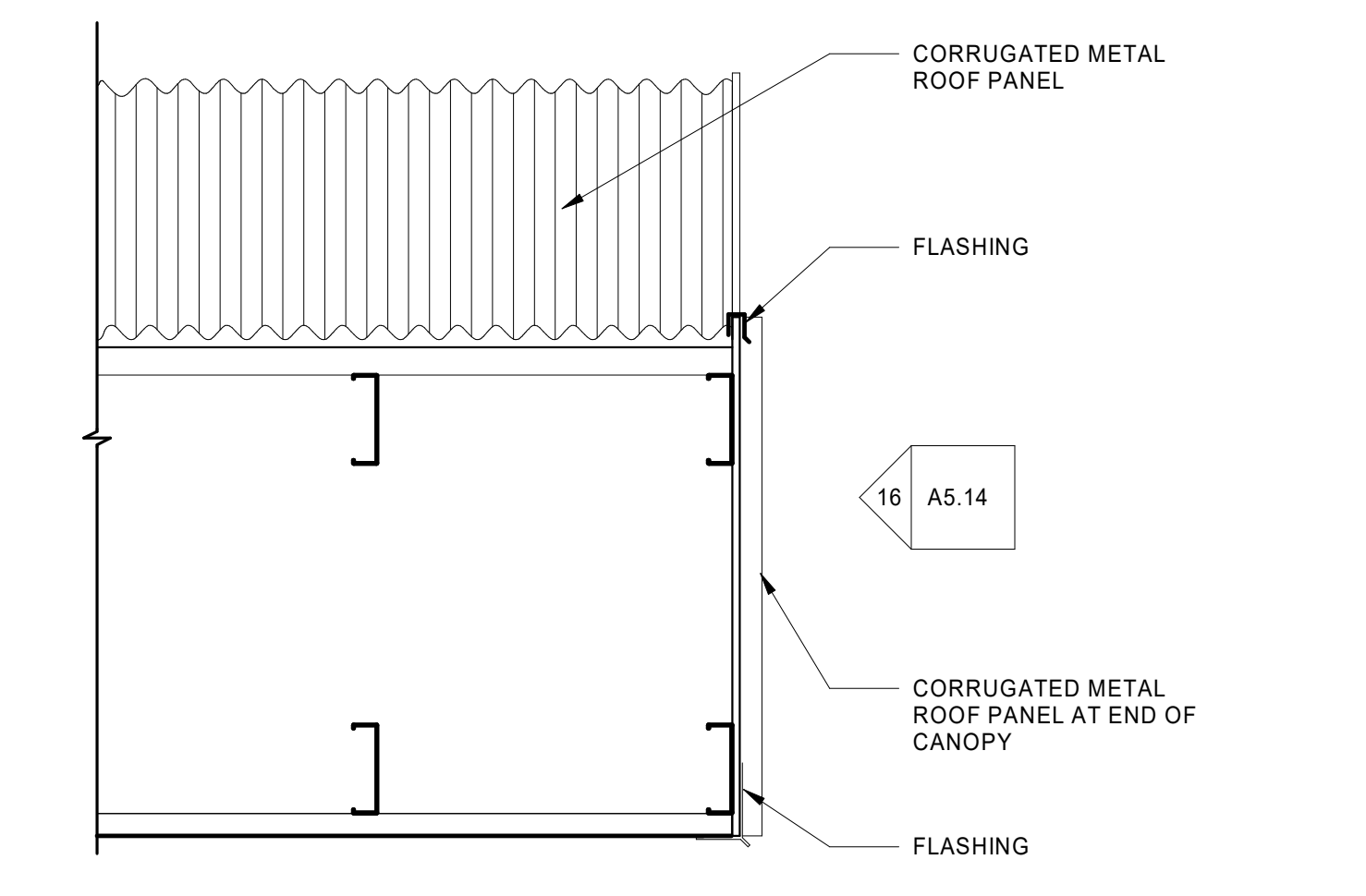


13 TURN DOWN AT STOREFRONT DOOR
AS.14 3/4" = 1'-0"

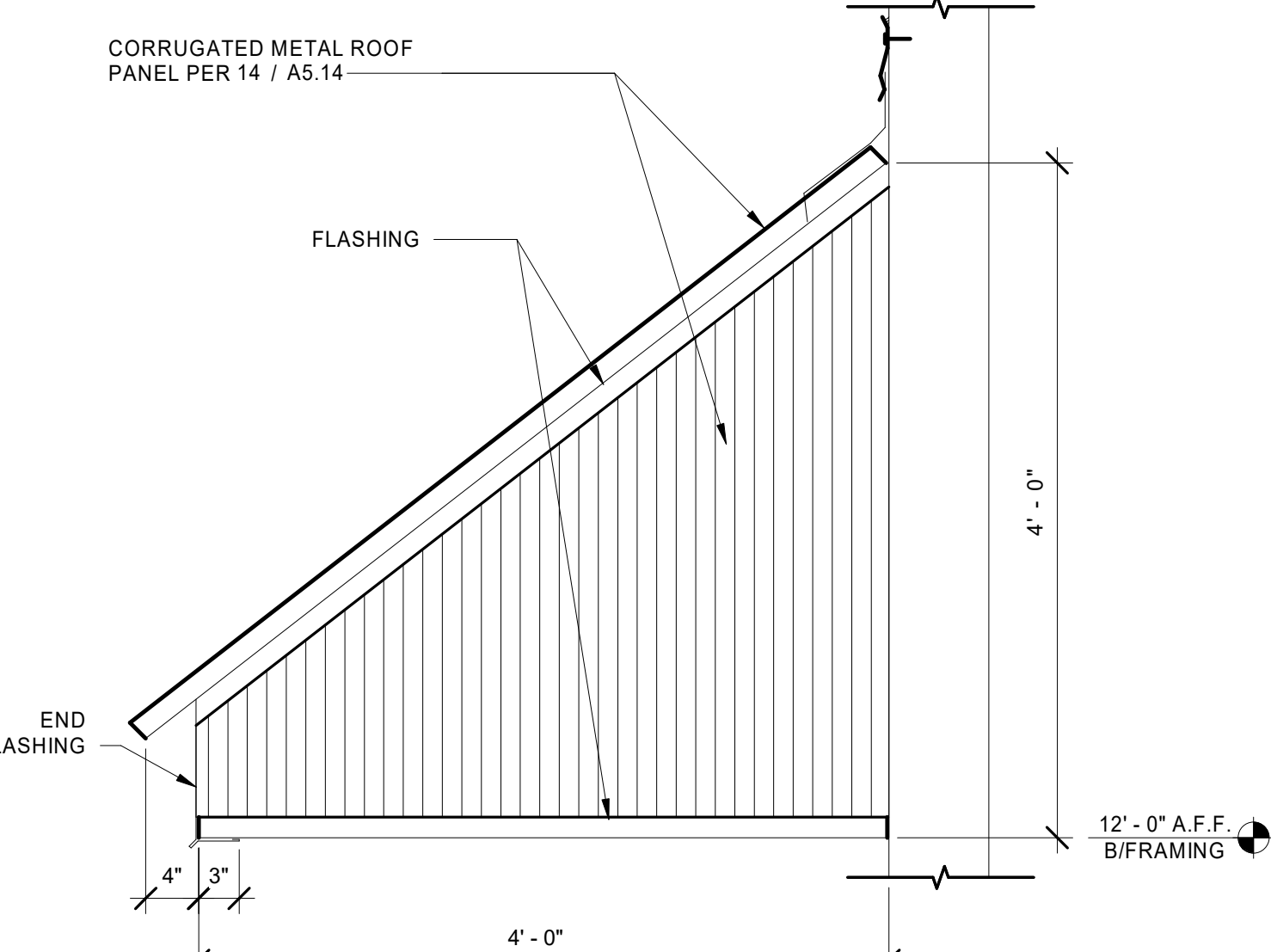
Provide design build plans reviewed by the engineer of record on site for inspection. Special inspection is required on anchors unless engineer address exclusion. (typical).



14 DOCK CANOPY SECTION
AS.14 1" = 1'-0"

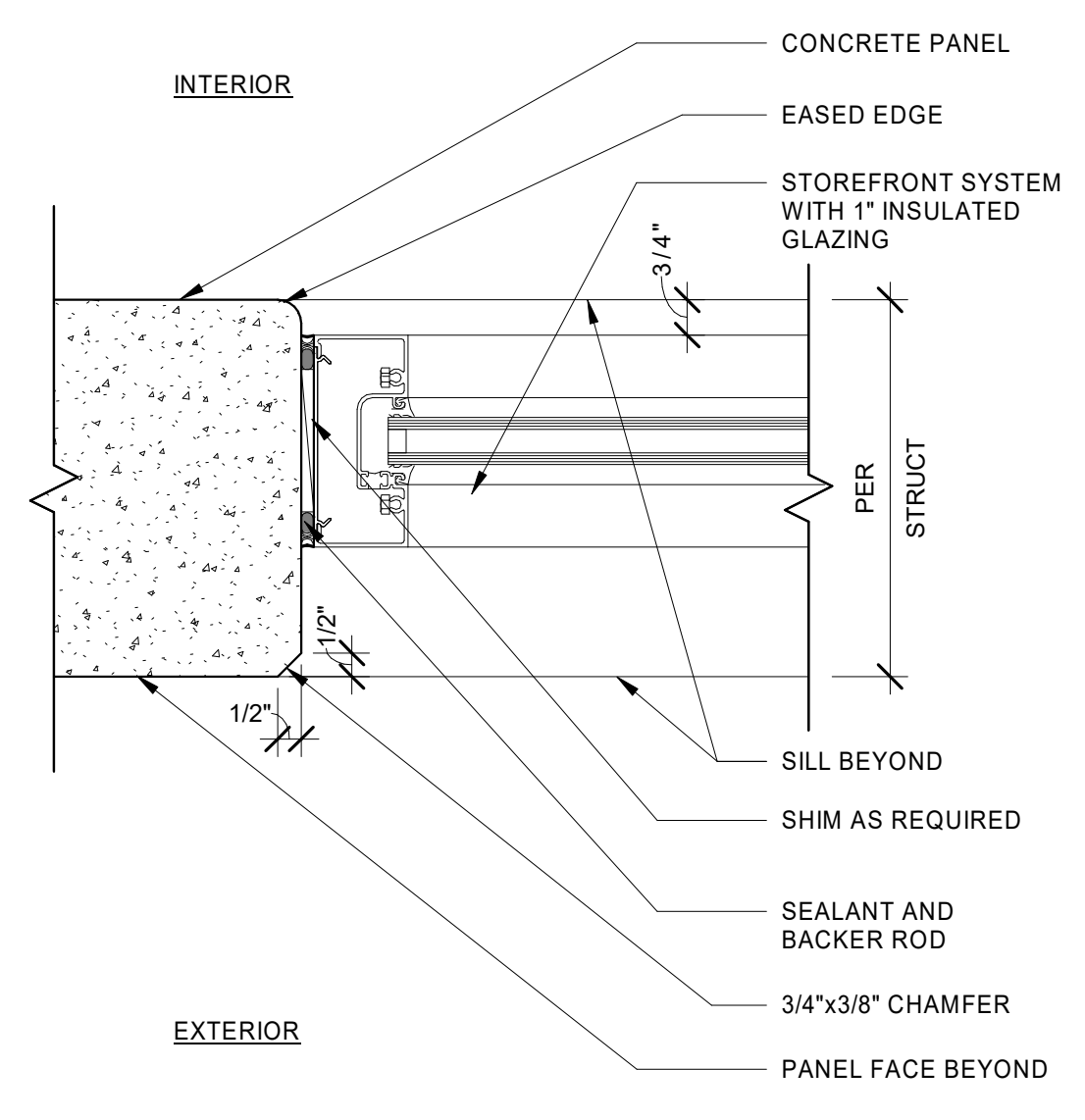


15 DOCK CANOPY SECTION 2
AS.14 1" = 1'-0"

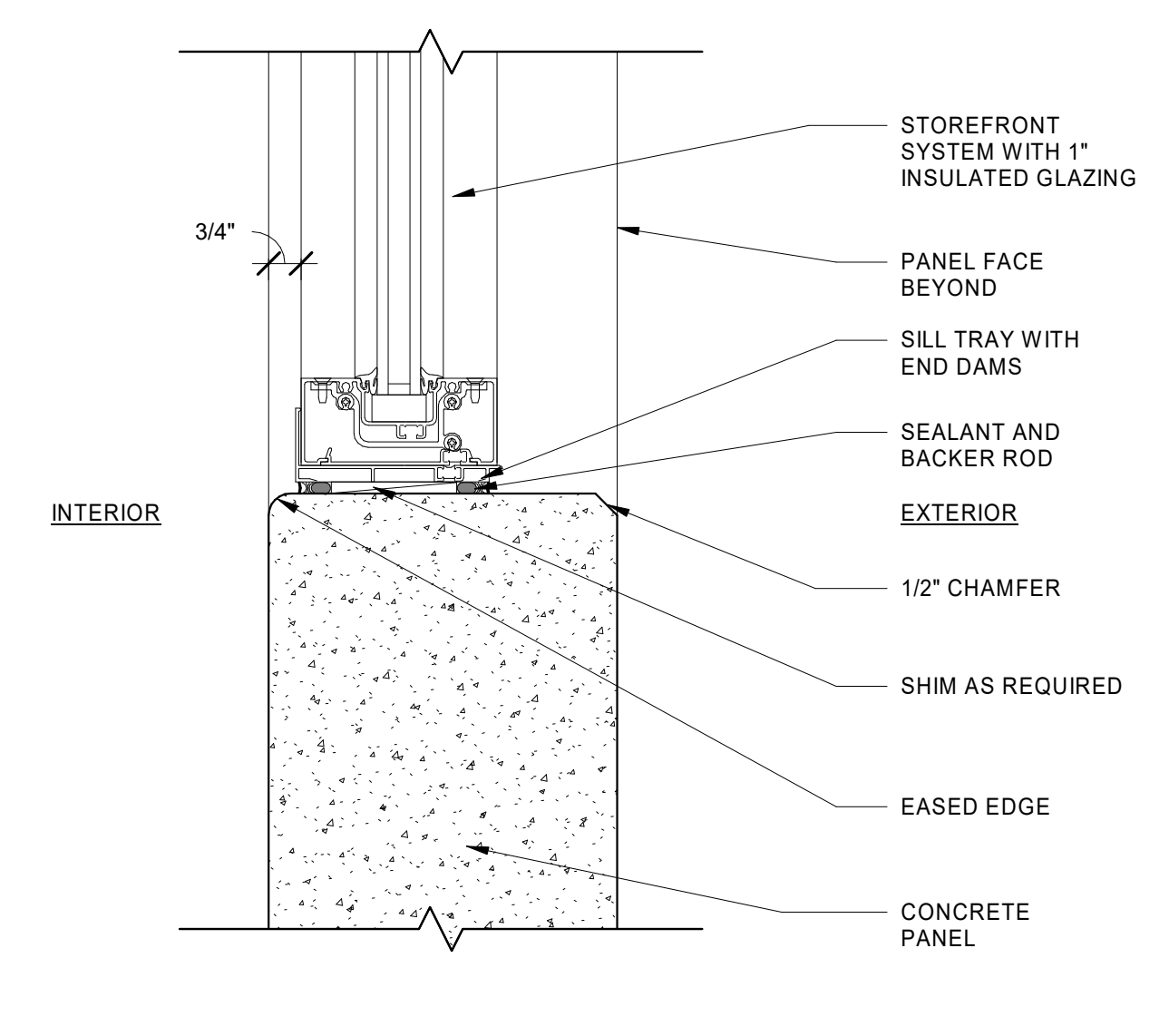


16 DOCK CANOPY ELEVATION
AS.14 1" = 1'-0"

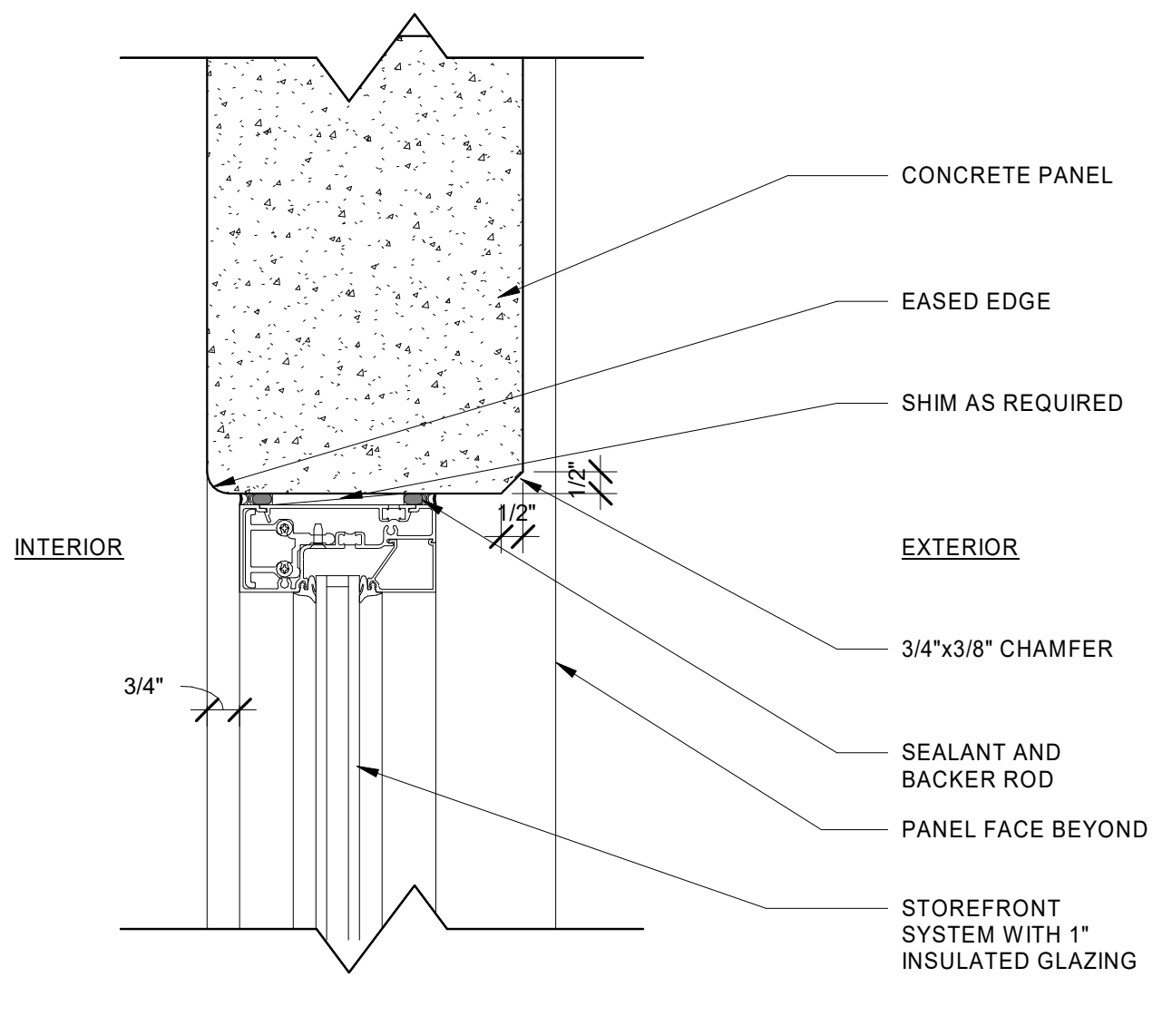
REVISION SCHEDULE		
Date	Issued As	Issue Date



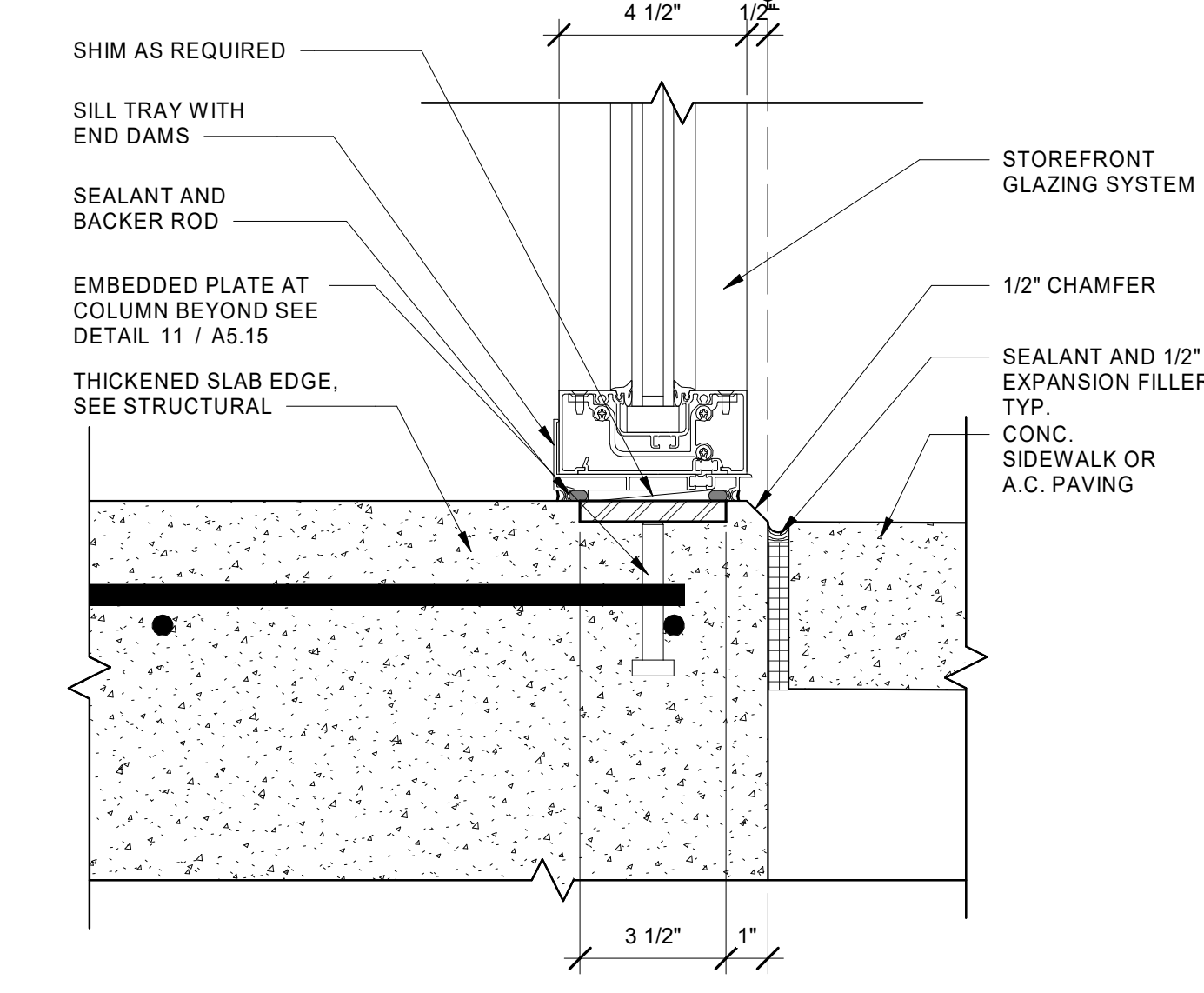
1 WINDOW JAMB
 AS.15 3" = 1'-0"



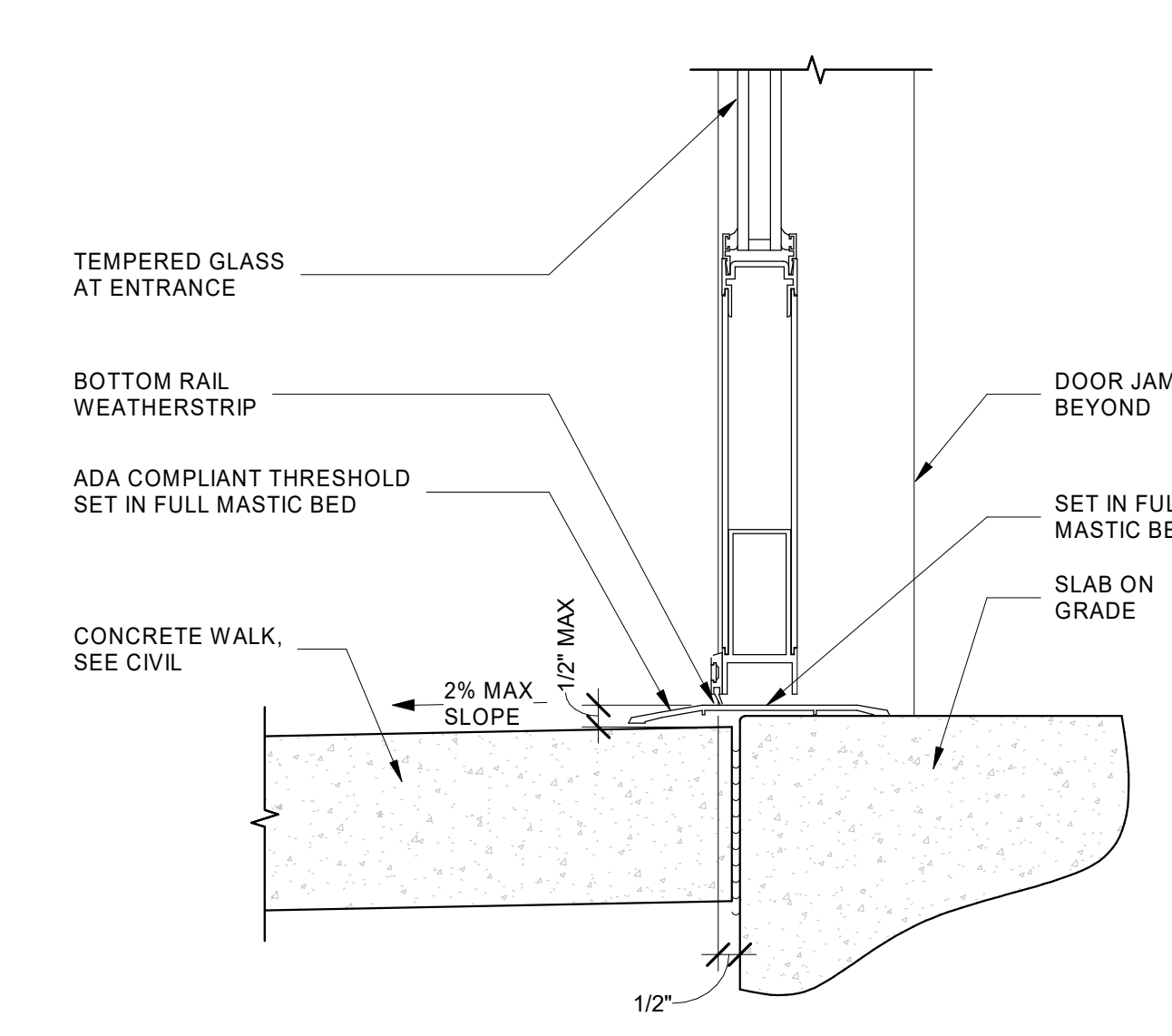
2 WINDOW SILL
 AS.15 3" = 1'-0"



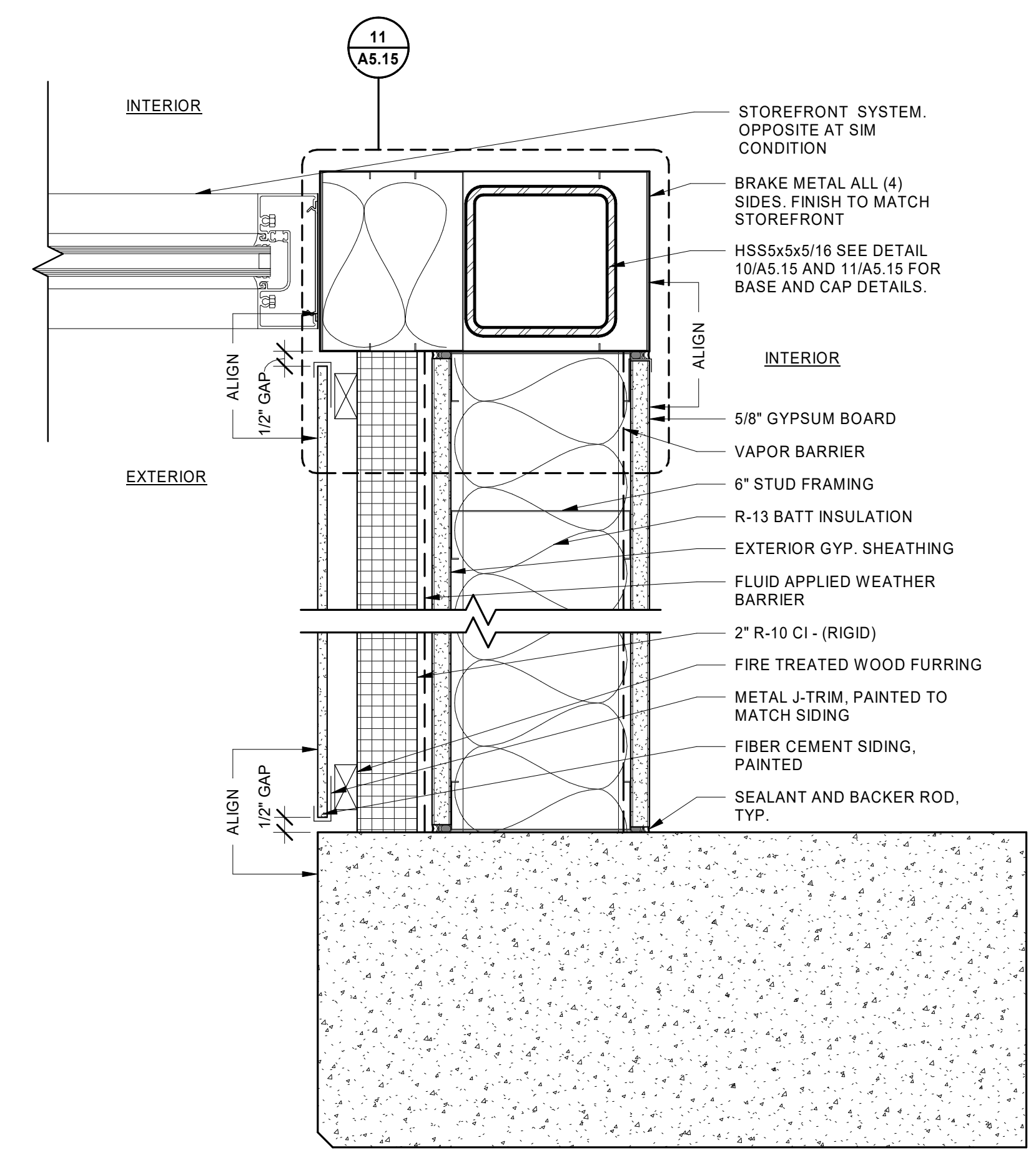
3 WINDOW HEAD
 AS.15 3" = 1'-0"



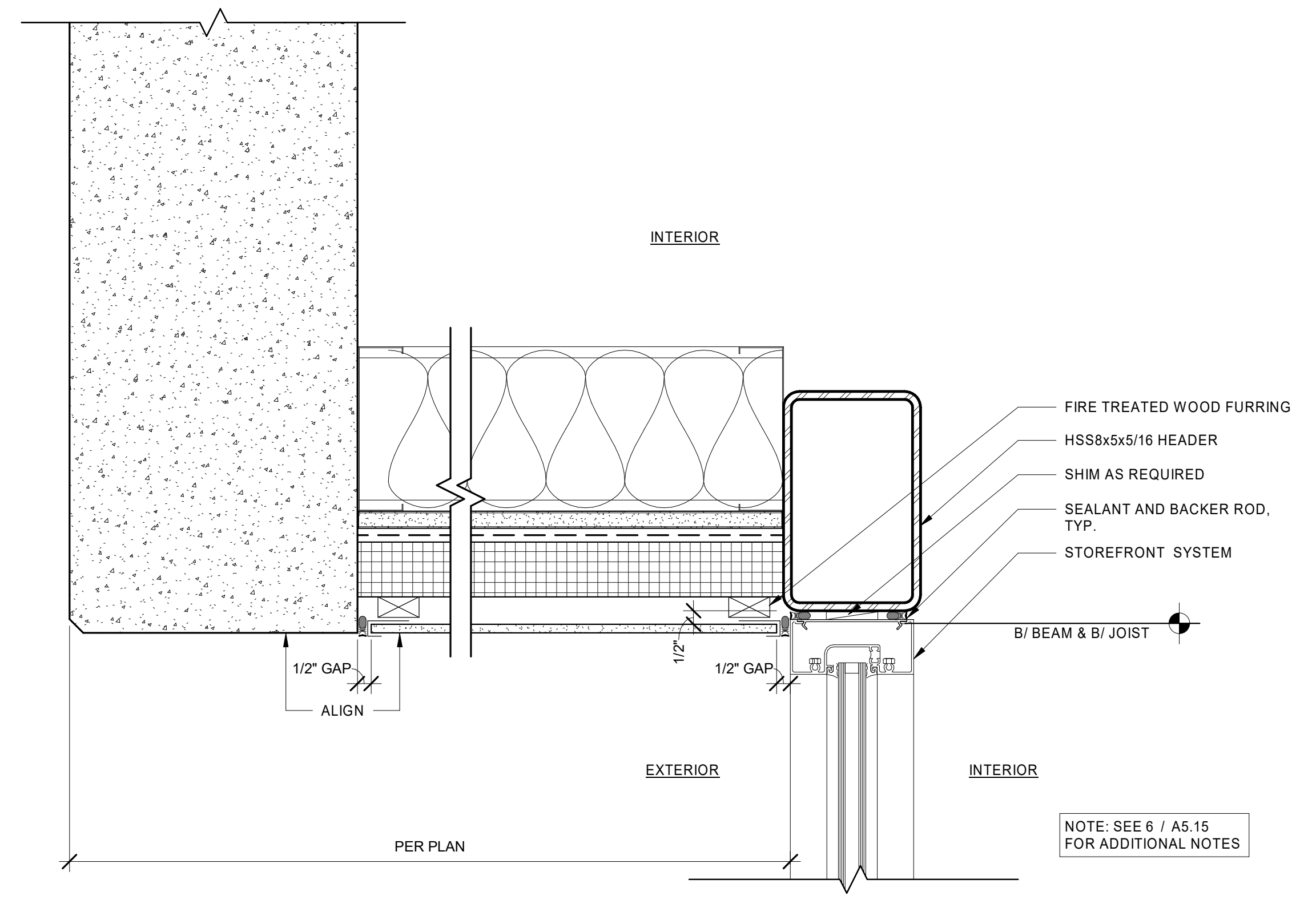
4 STOREFRONT SILL @ ENTRY
 AS.15 3" = 1'-0"



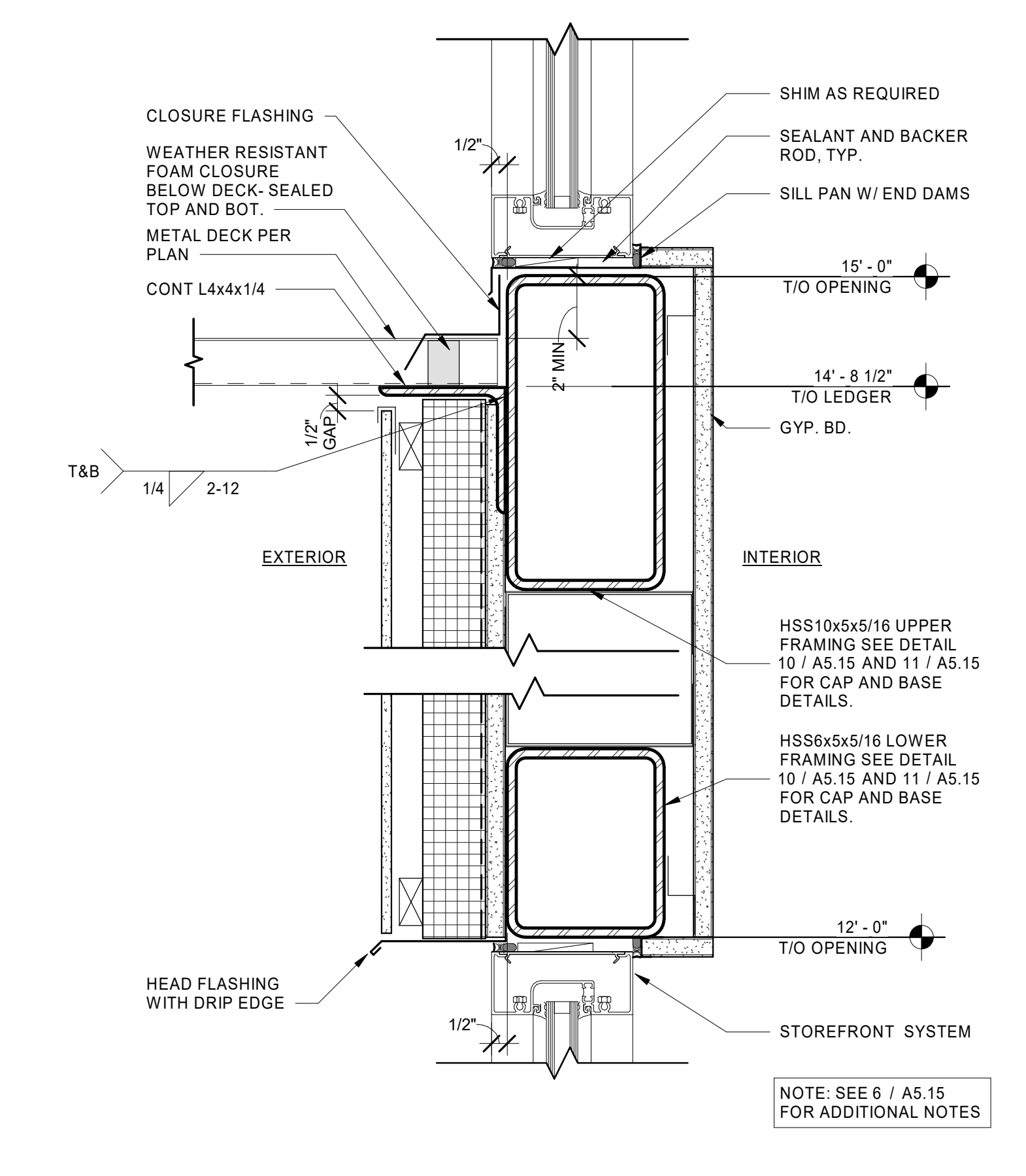
5 STOREFRONT DOOR SILL
 AS.15 3" = 1'-0"



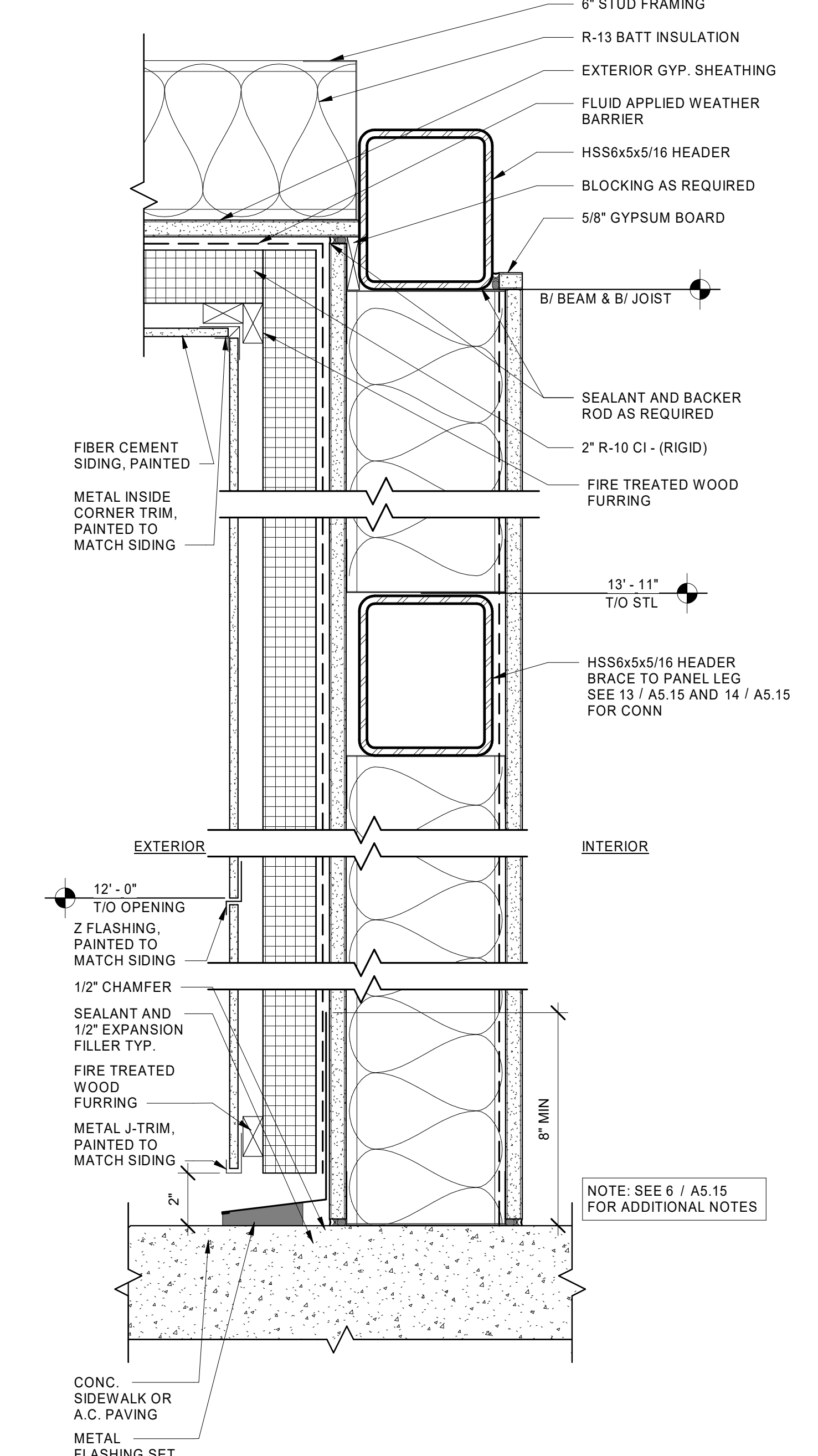
6 STOREFRONT CORNER PLAN
 AS.15 3" = 1'-0"



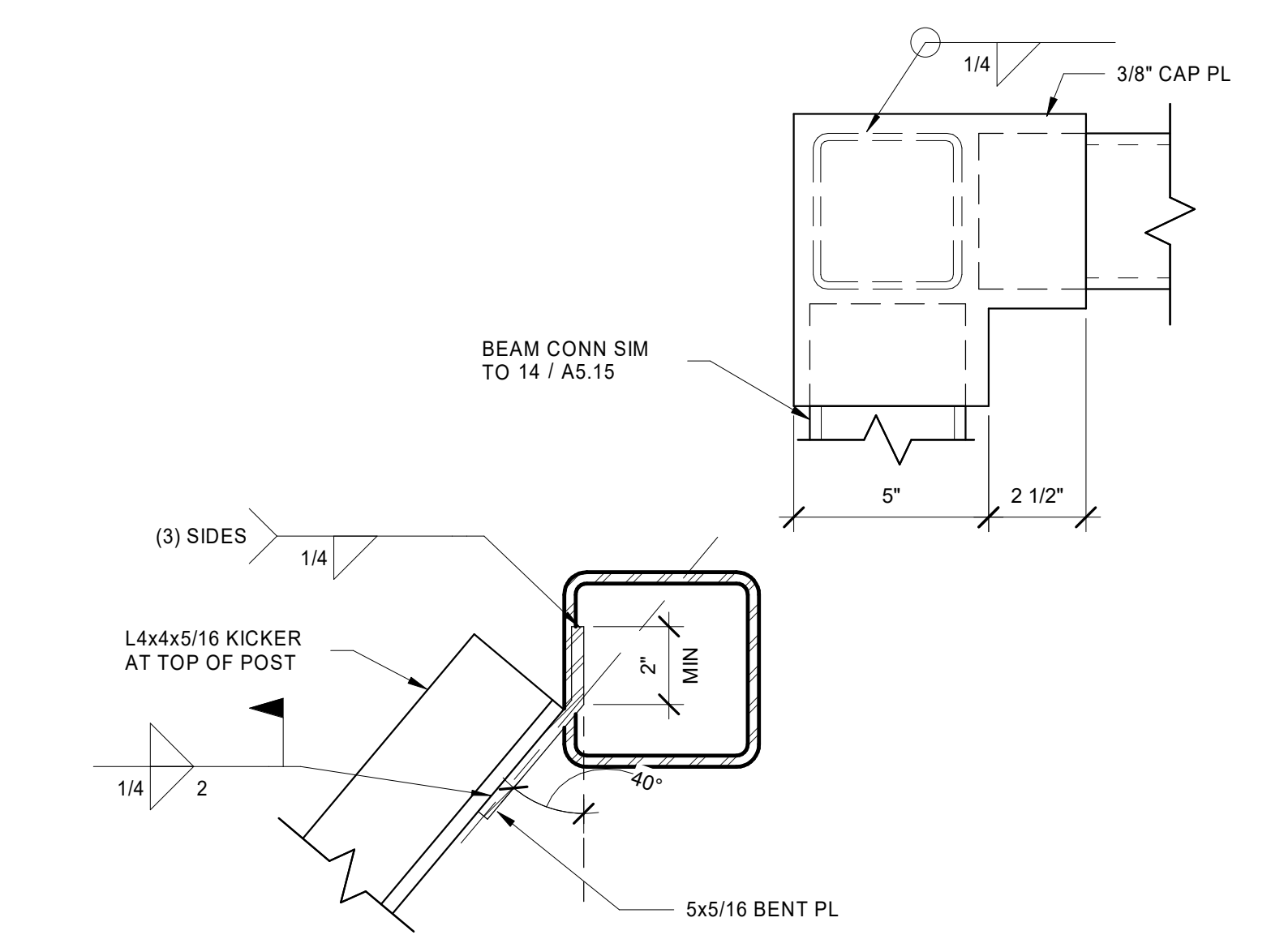
7 STOREFRONT HEAD SECTION
 AS.15 3" = 1'-0"



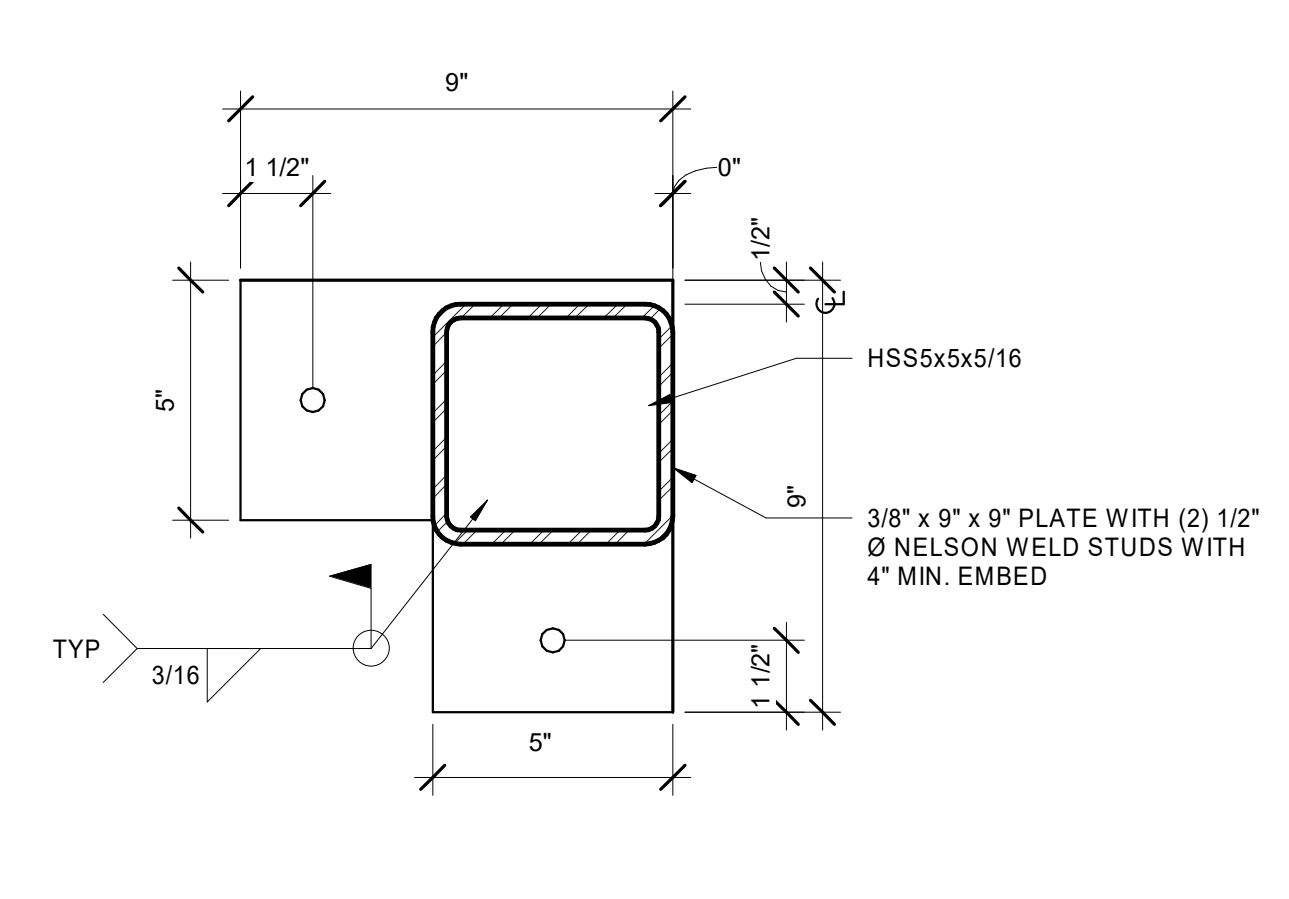
8 STOREFRONT HEAD & SILL SECTION
 AS.15 3" = 1'-0"



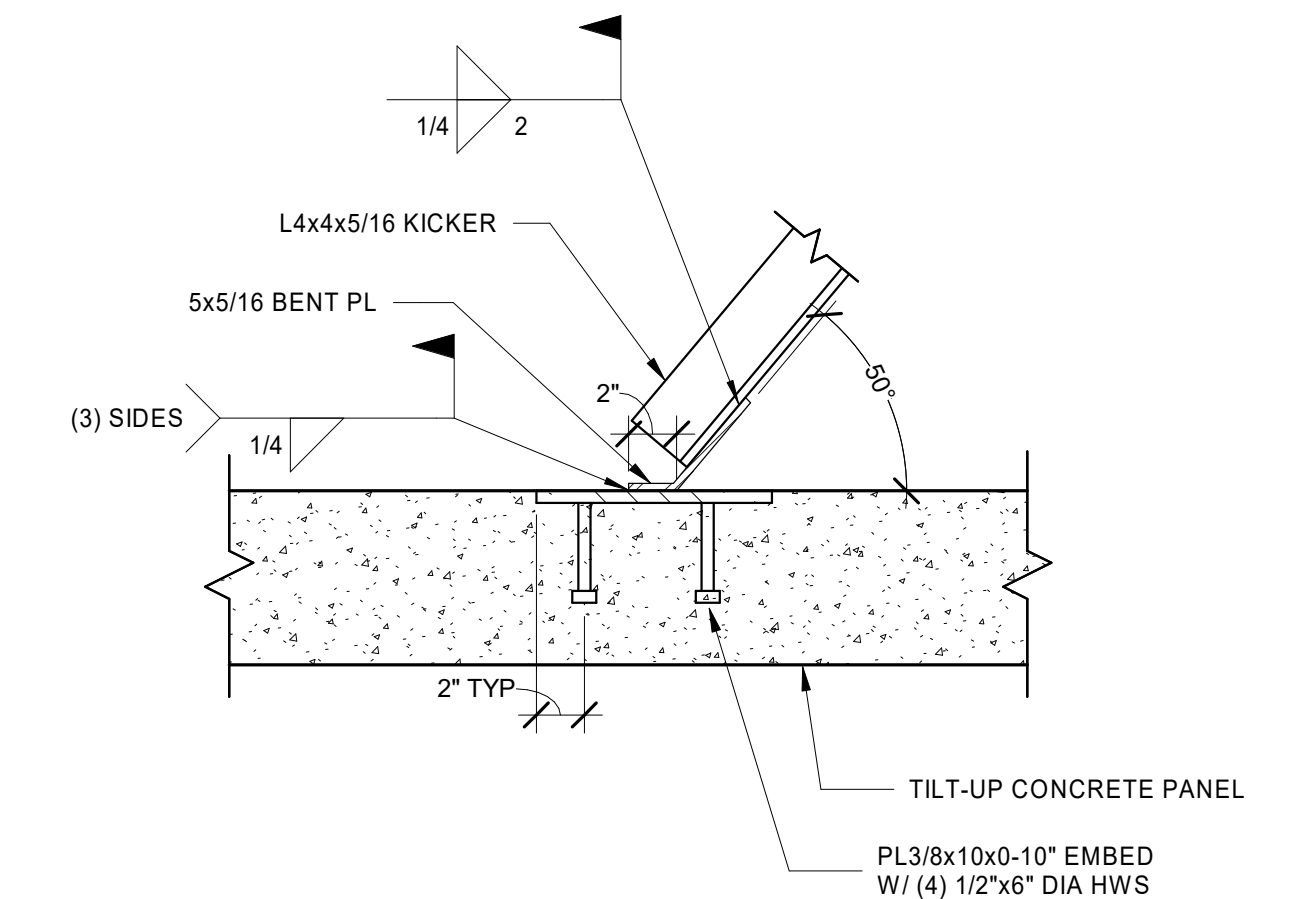
9 FIBER CEMENT SIDING SECTION
 AS.15 3" = 1'-0"



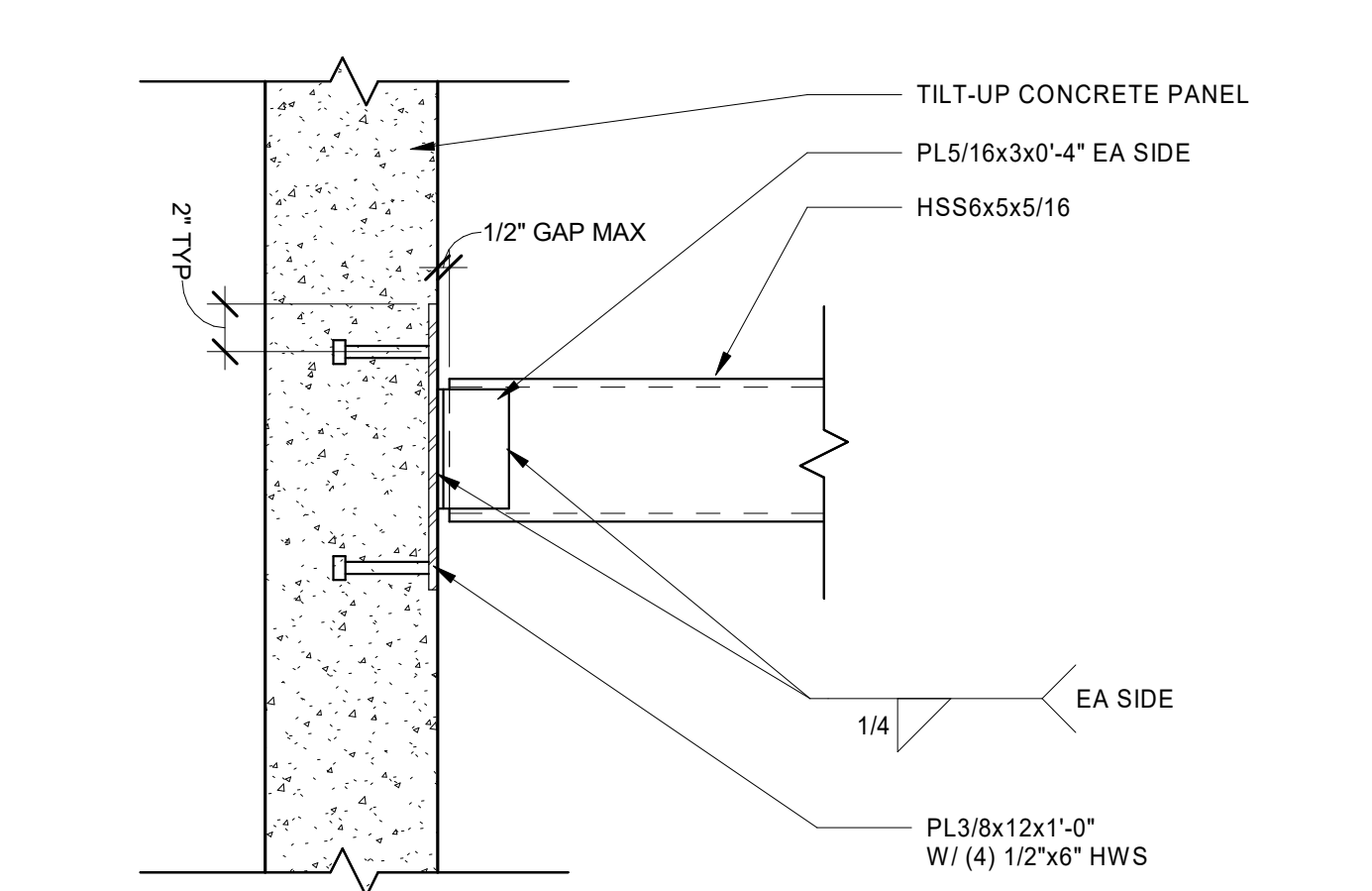
10 STOREFRONT COLUMN CAP
 AS.15 3" = 1'-0"



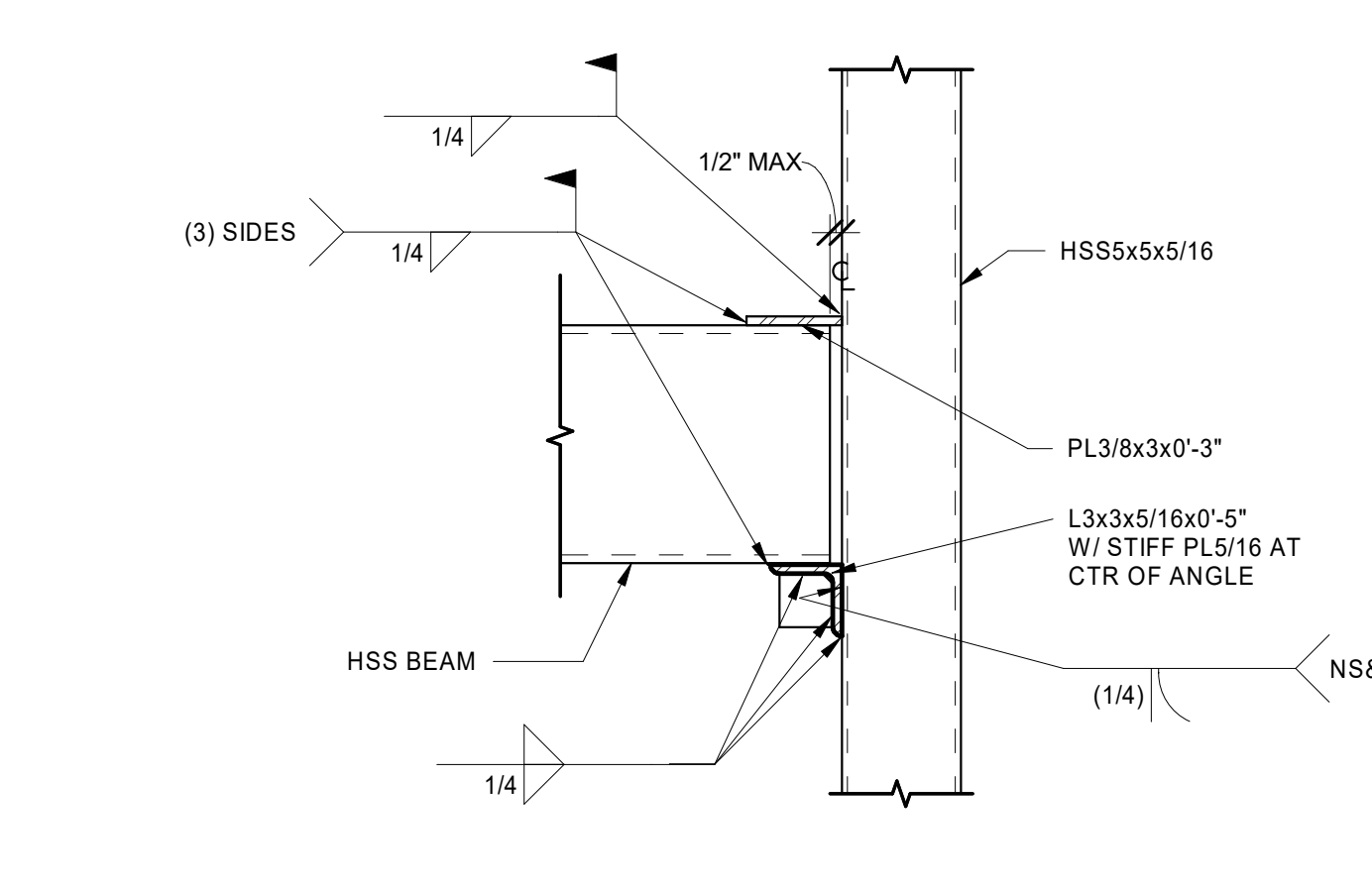
11 STOREFRONT COLUMN BASE
 AS.15 3" = 1'-0"



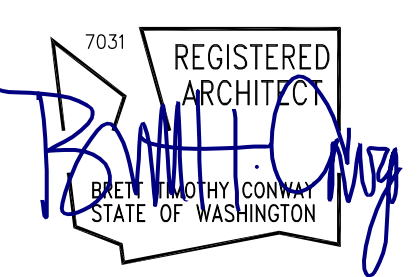
12 ENTRANCE FRAMING KICKER TO PANEL
 AS.15 1 1/2" = 1'-0"



13 HSS TO PANEL CONNECTION
 AS.15 1 1/2" = 1'-0"



14 HSS BEAM TO POST CONNECTION
 AS.15 1 1/2" = 1'-0"



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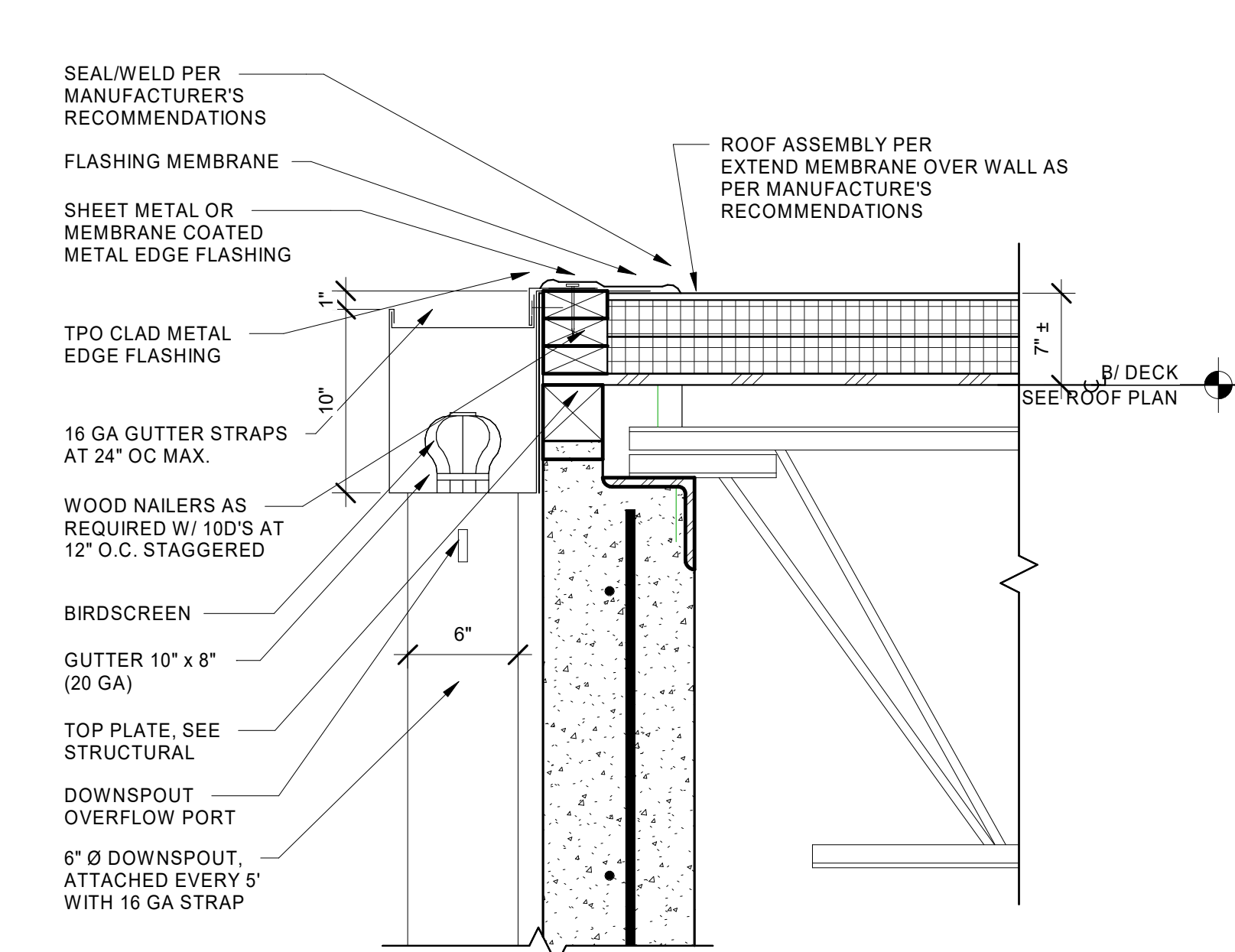
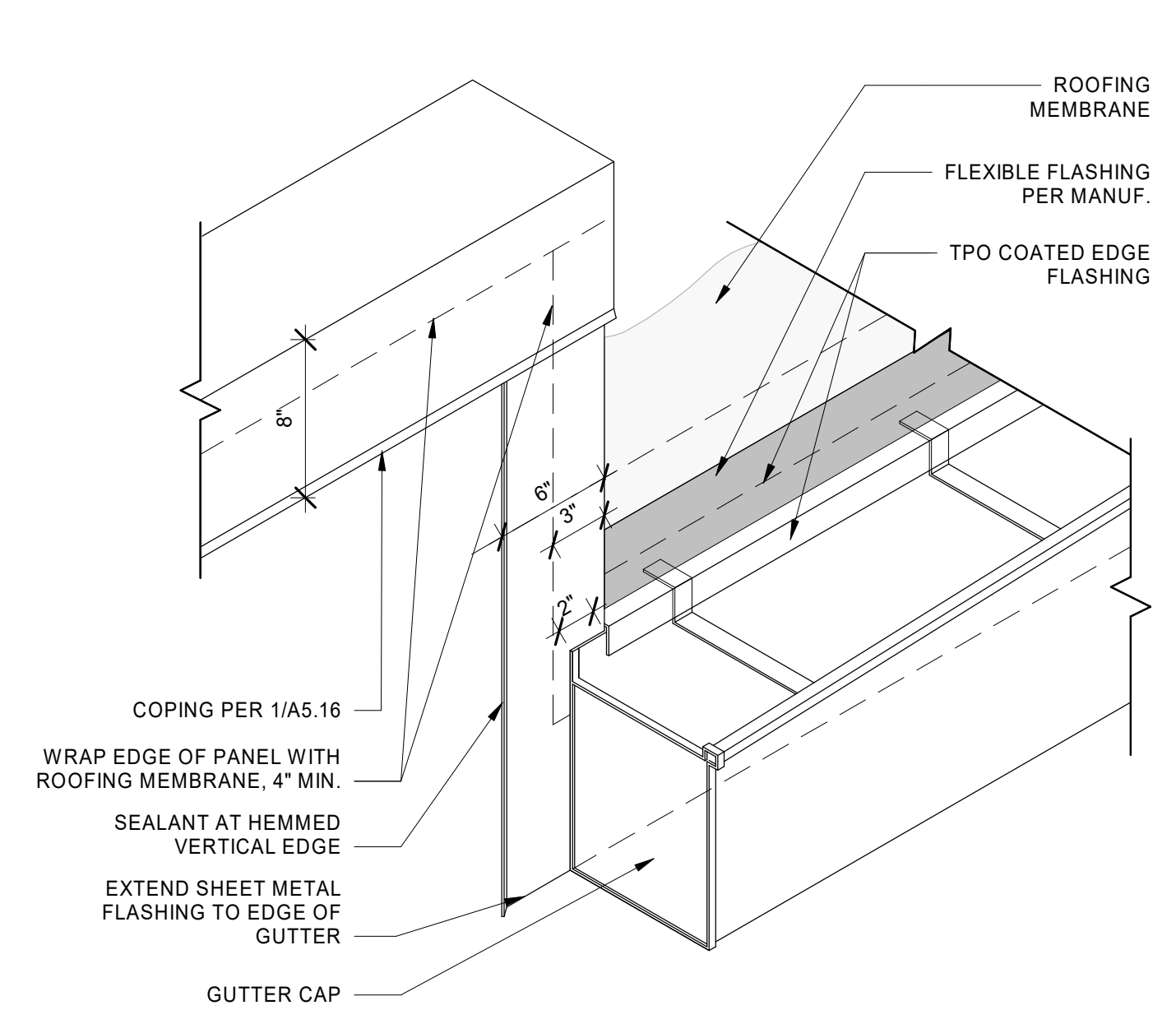
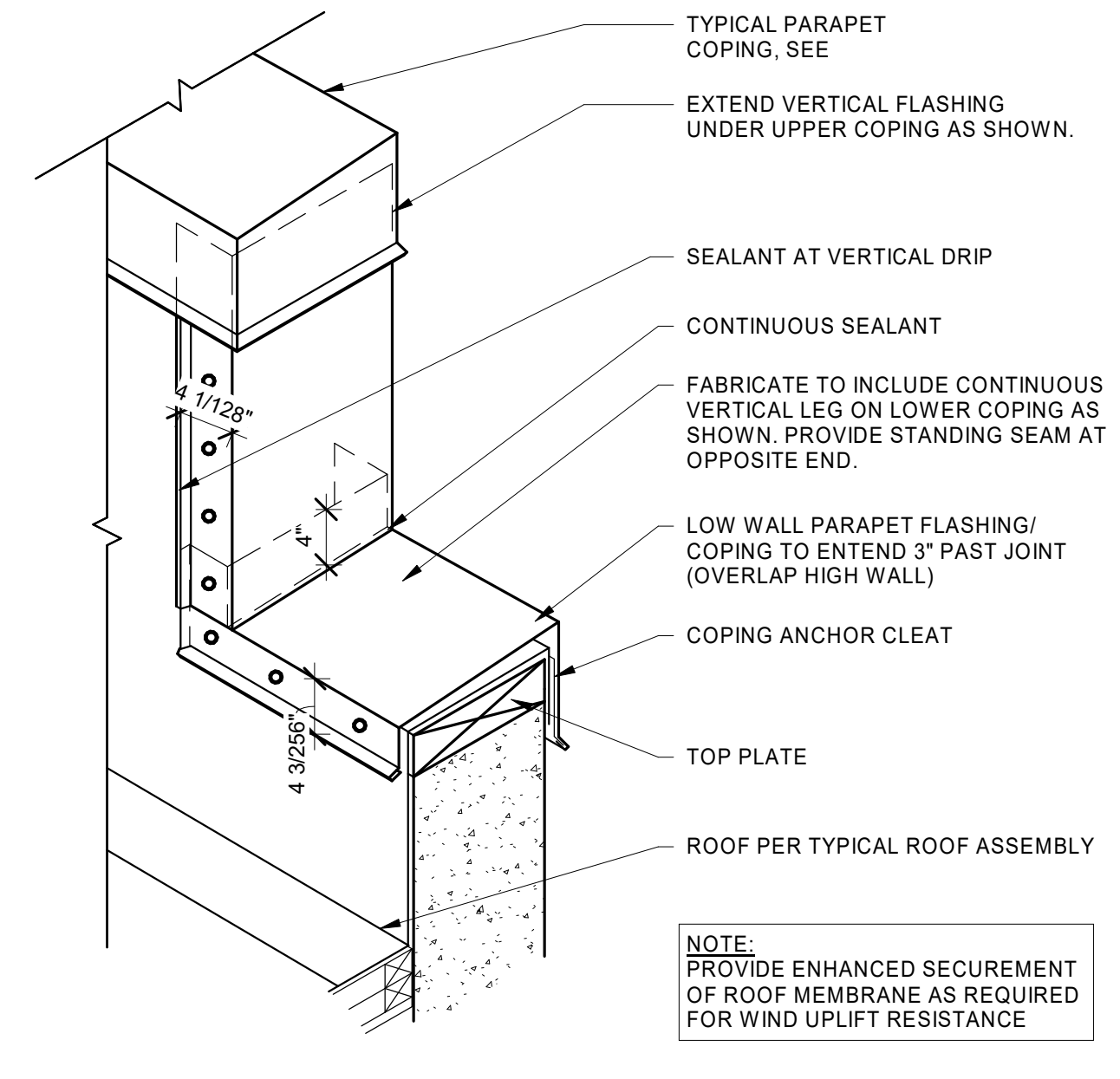
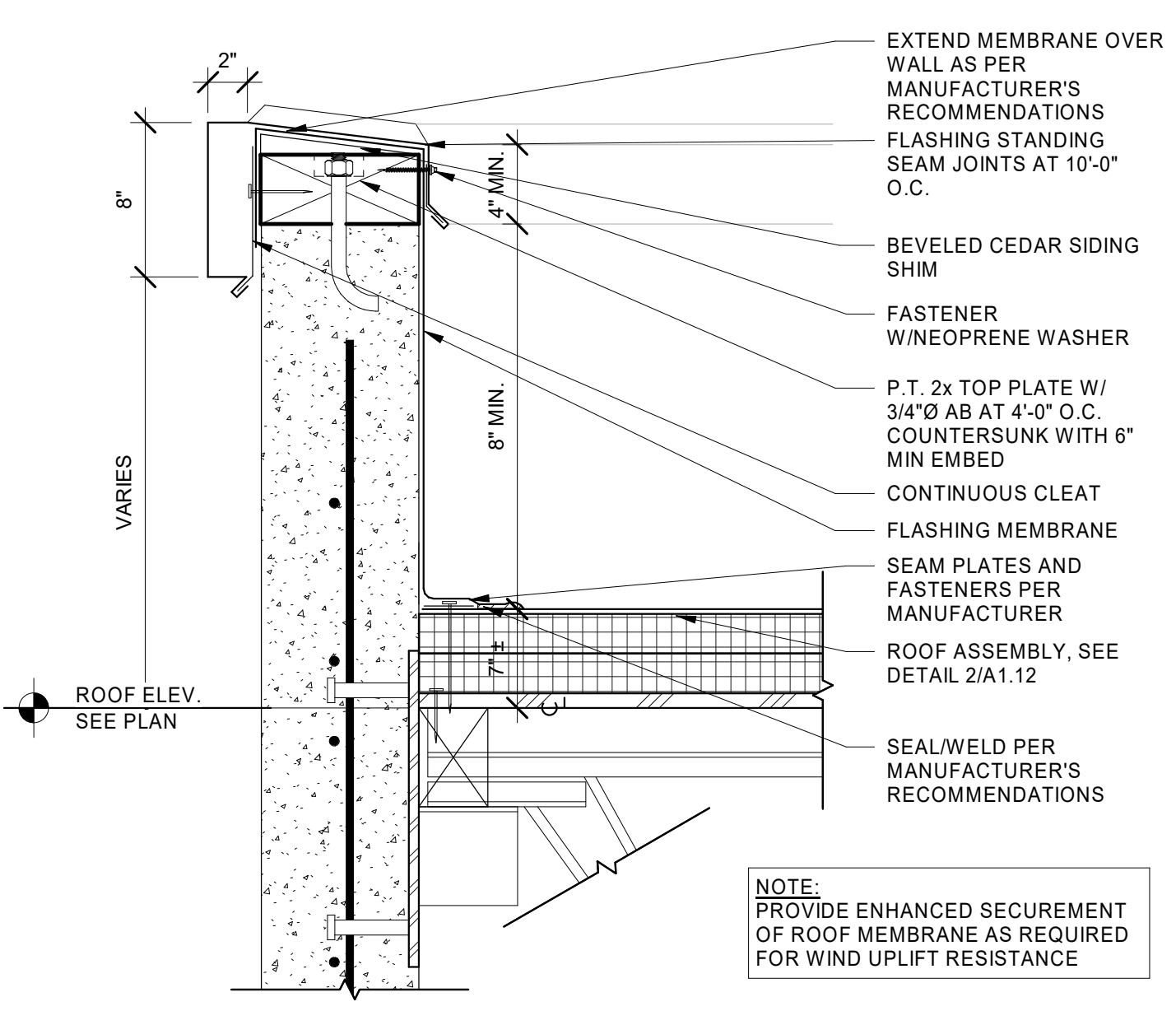
REVISION SCHEDULE		
Date	Issued As	Issue Date

SHEET TITLE:
STOREFRONT AND ENTRY DETAILS

SHEET

A5.15

JOB NO. 2220290.00

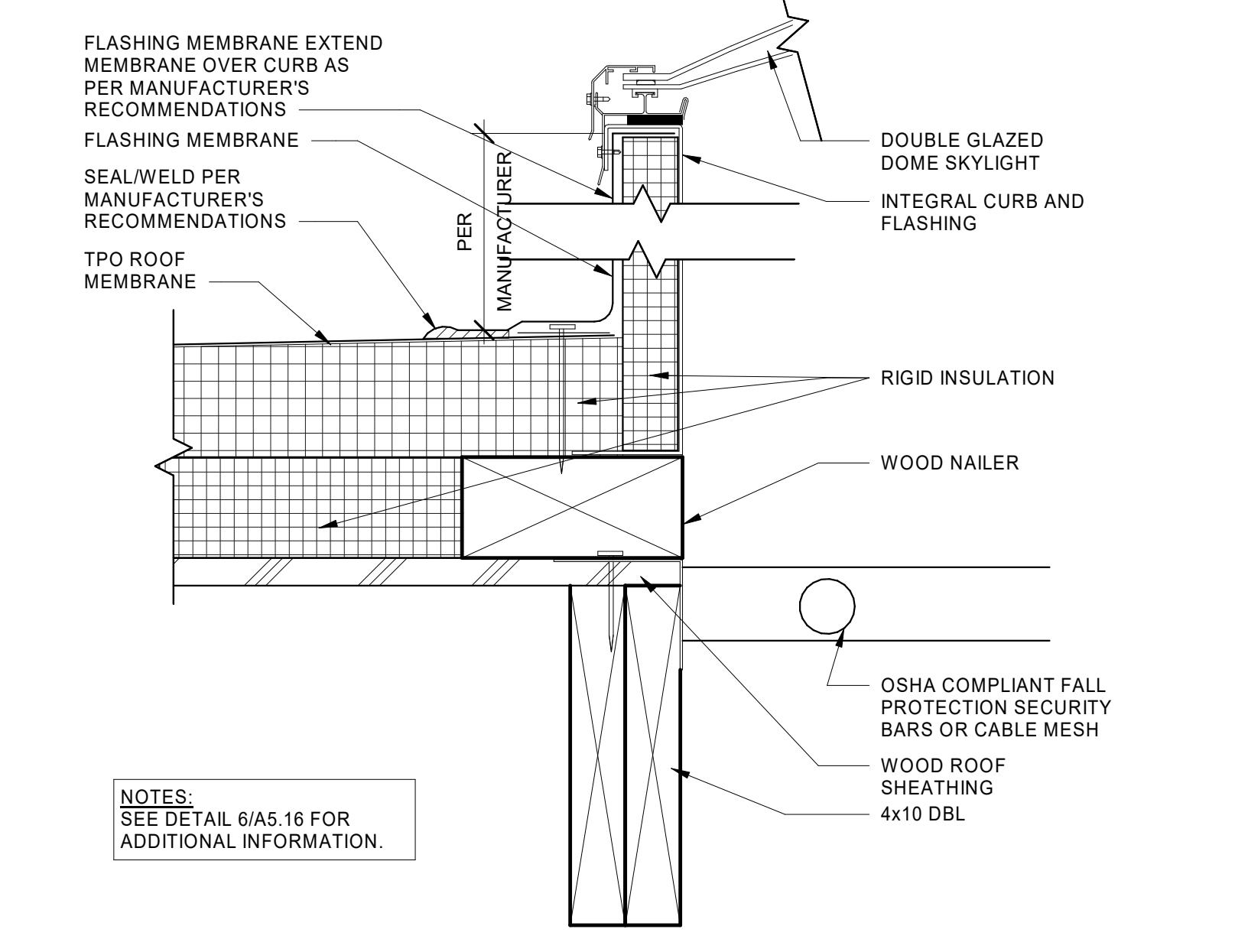
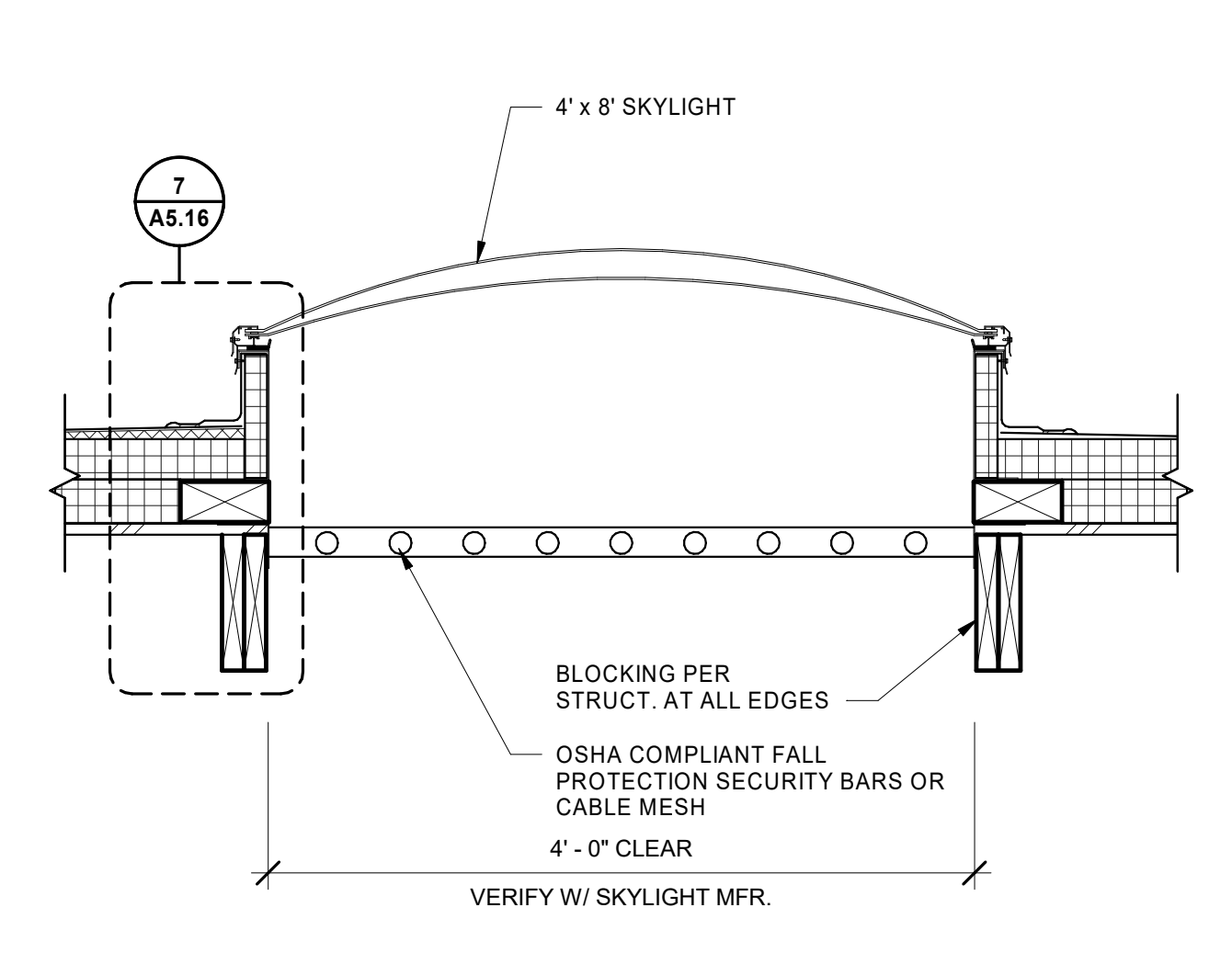
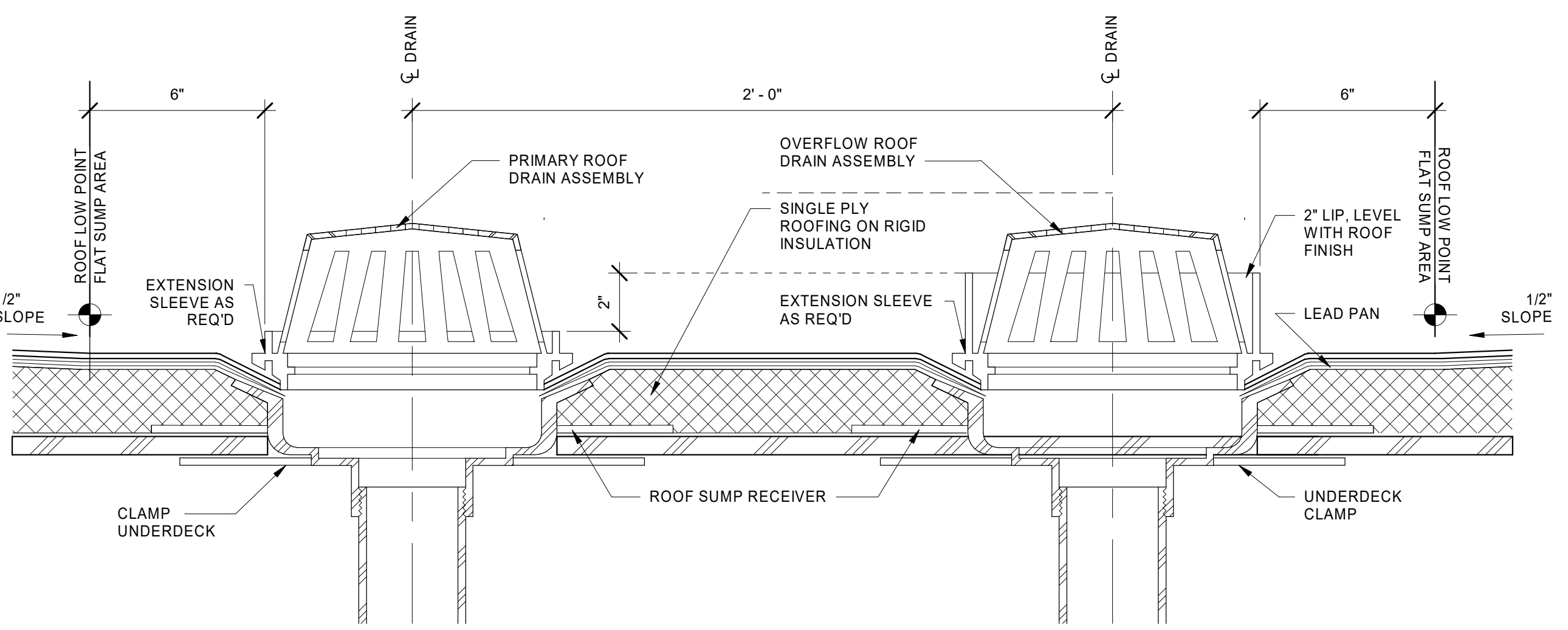


1 PARAPET FLASHING
 A5.16 1 1/2" = 1'-0"

2 STEP AT PARAPET
 A5.16 1" = 1'-0"

3 GUTTER TERMINATION
 A5.16 1 1/2" = 1'-0"

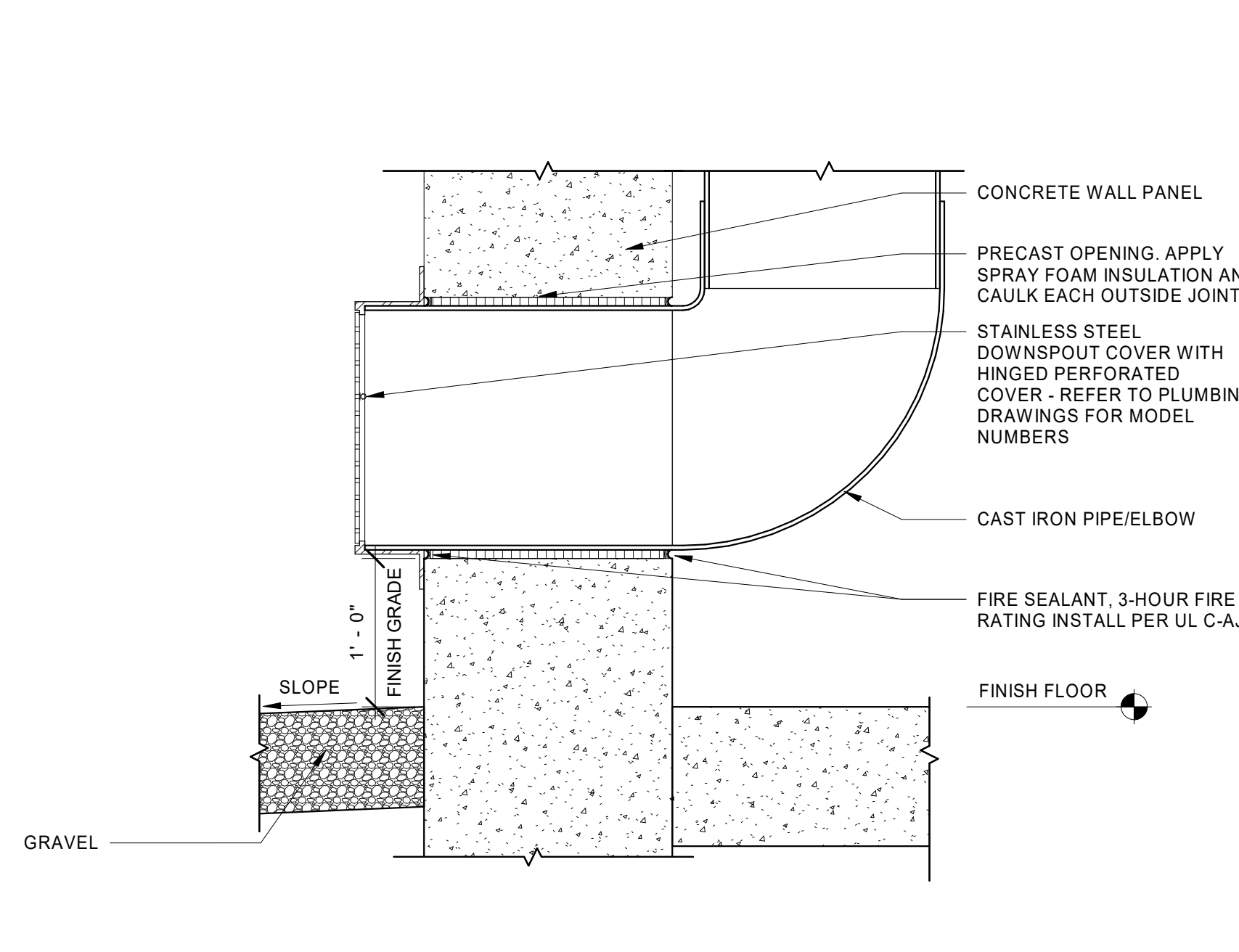
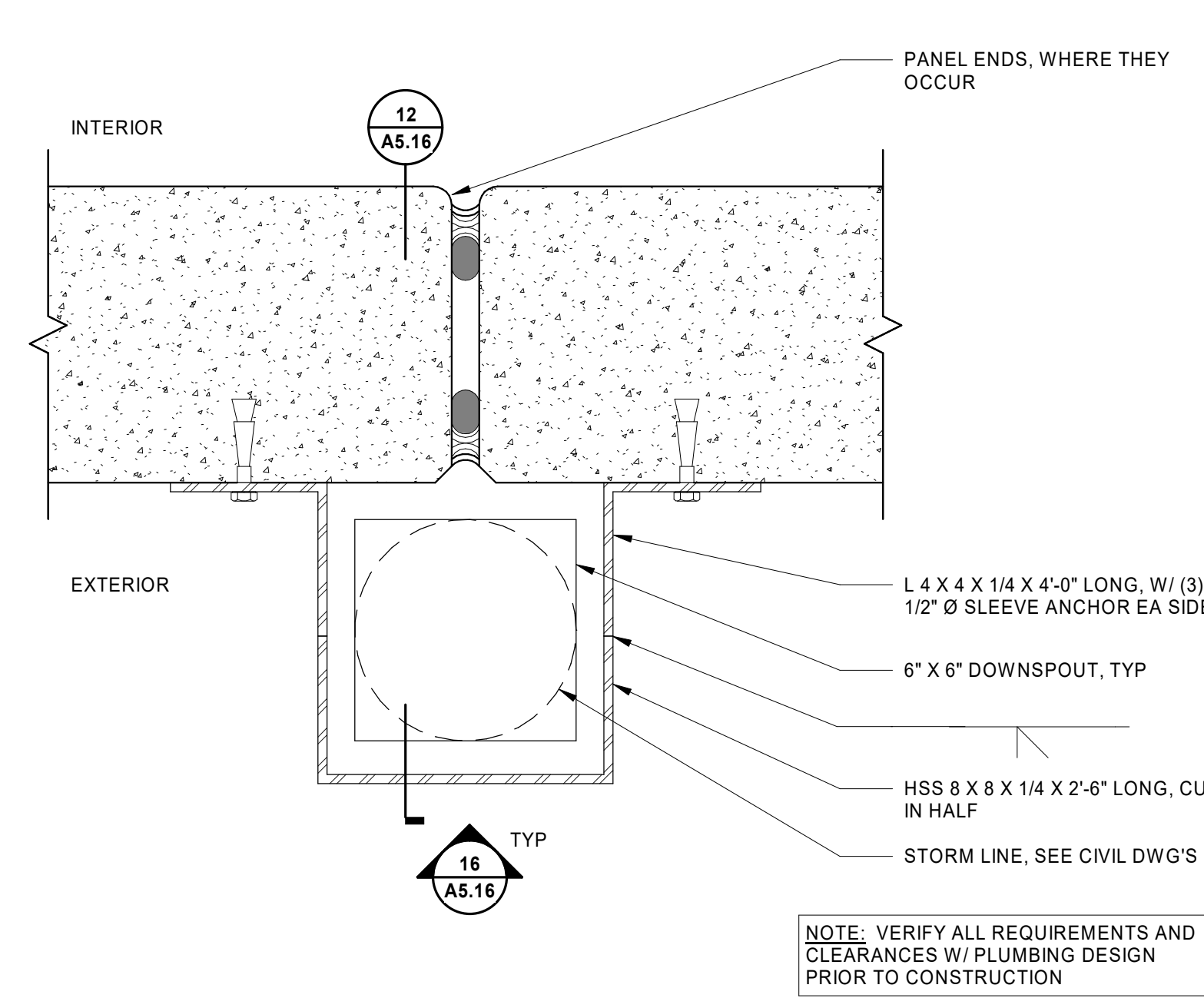
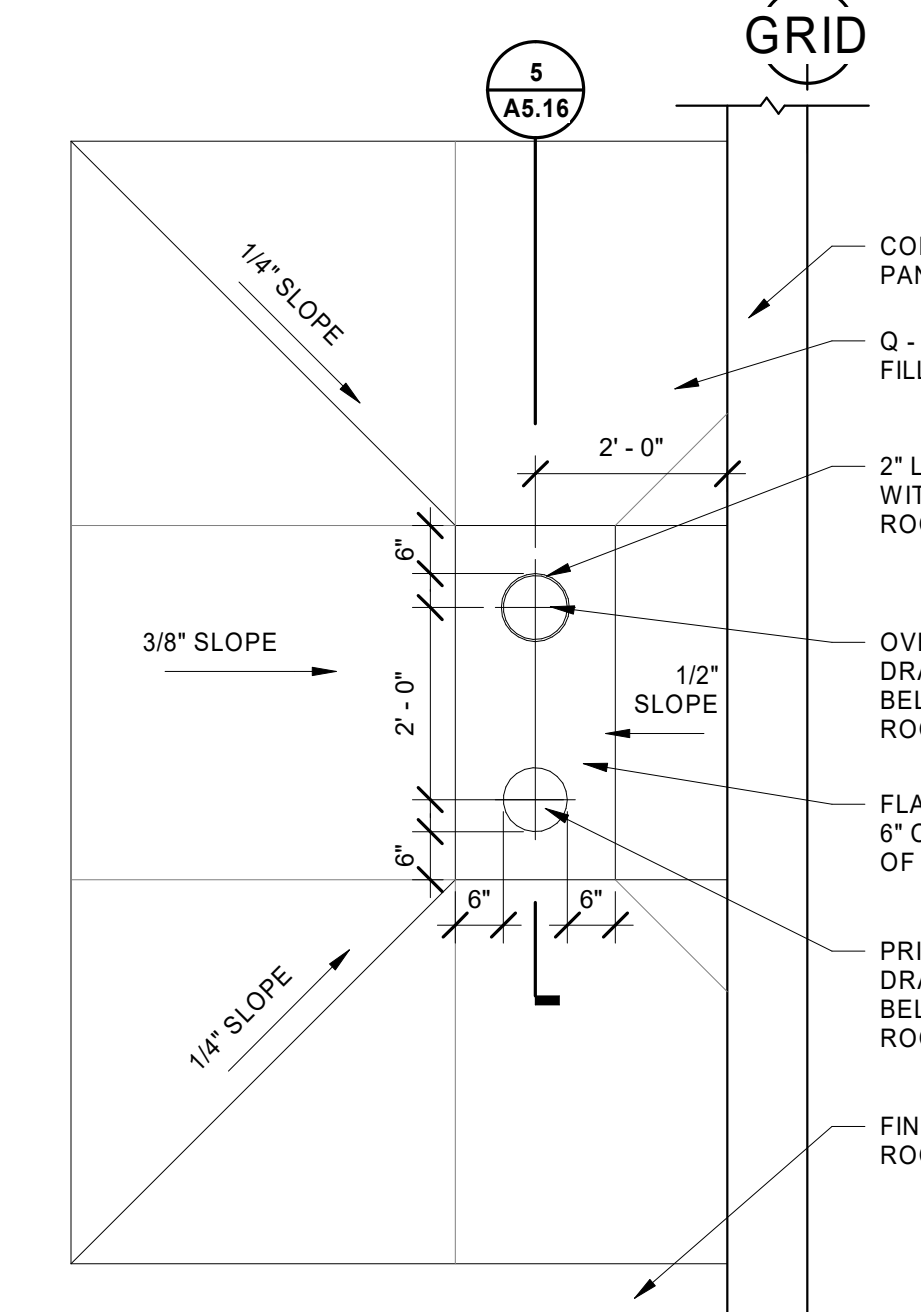
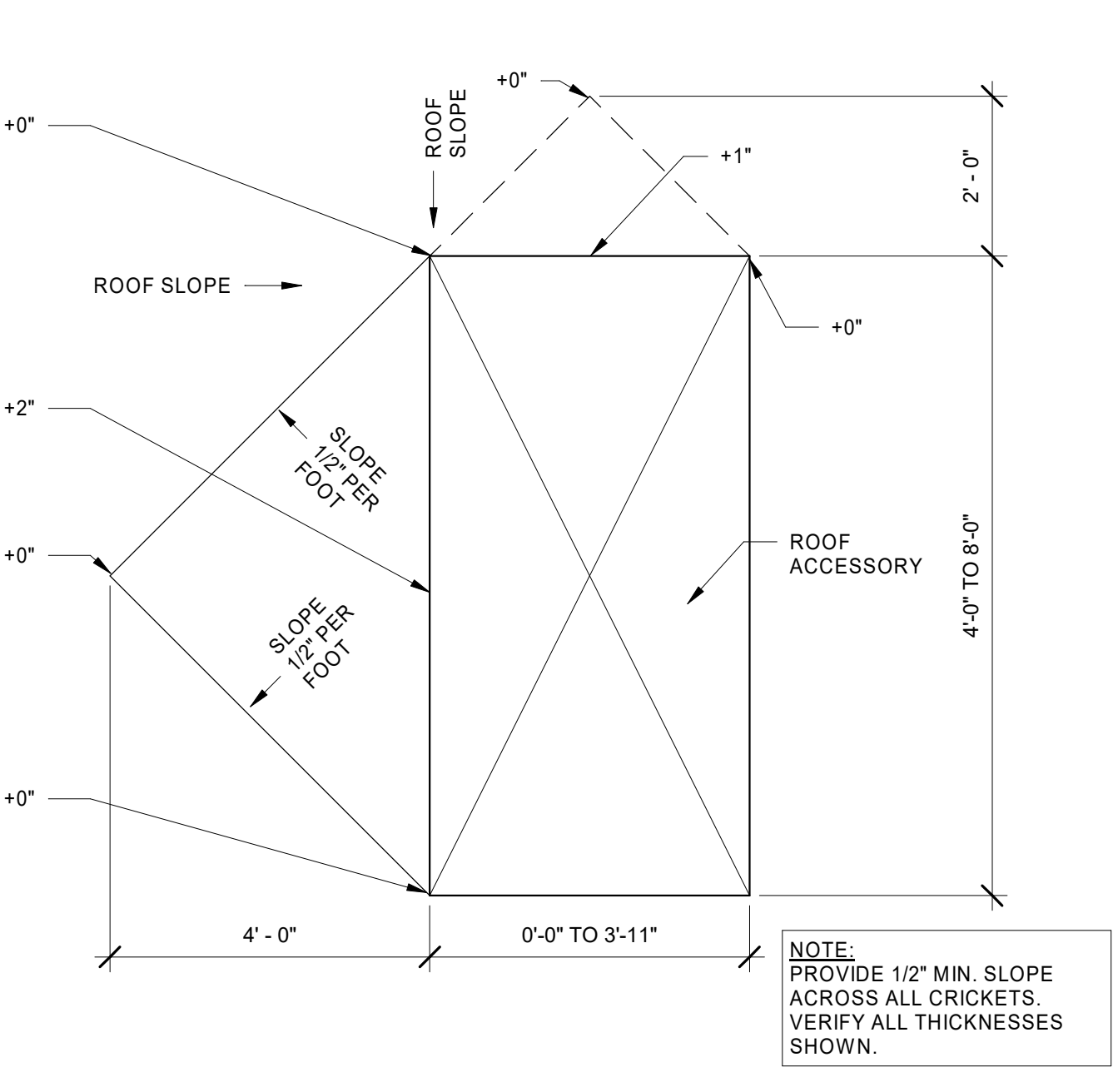
4 GUTTER EDGE
 A5.16 1 1/2" = 1'-0"



5 TRANSFER ROOF DRAIN SECTION
 A5.16 3" = 1'-0"

6 SKYLIGHT SECTION
 A5.16 1" = 1'-0"

7 SKYLIGHT CURB
 A5.16 3" = 1'-0"

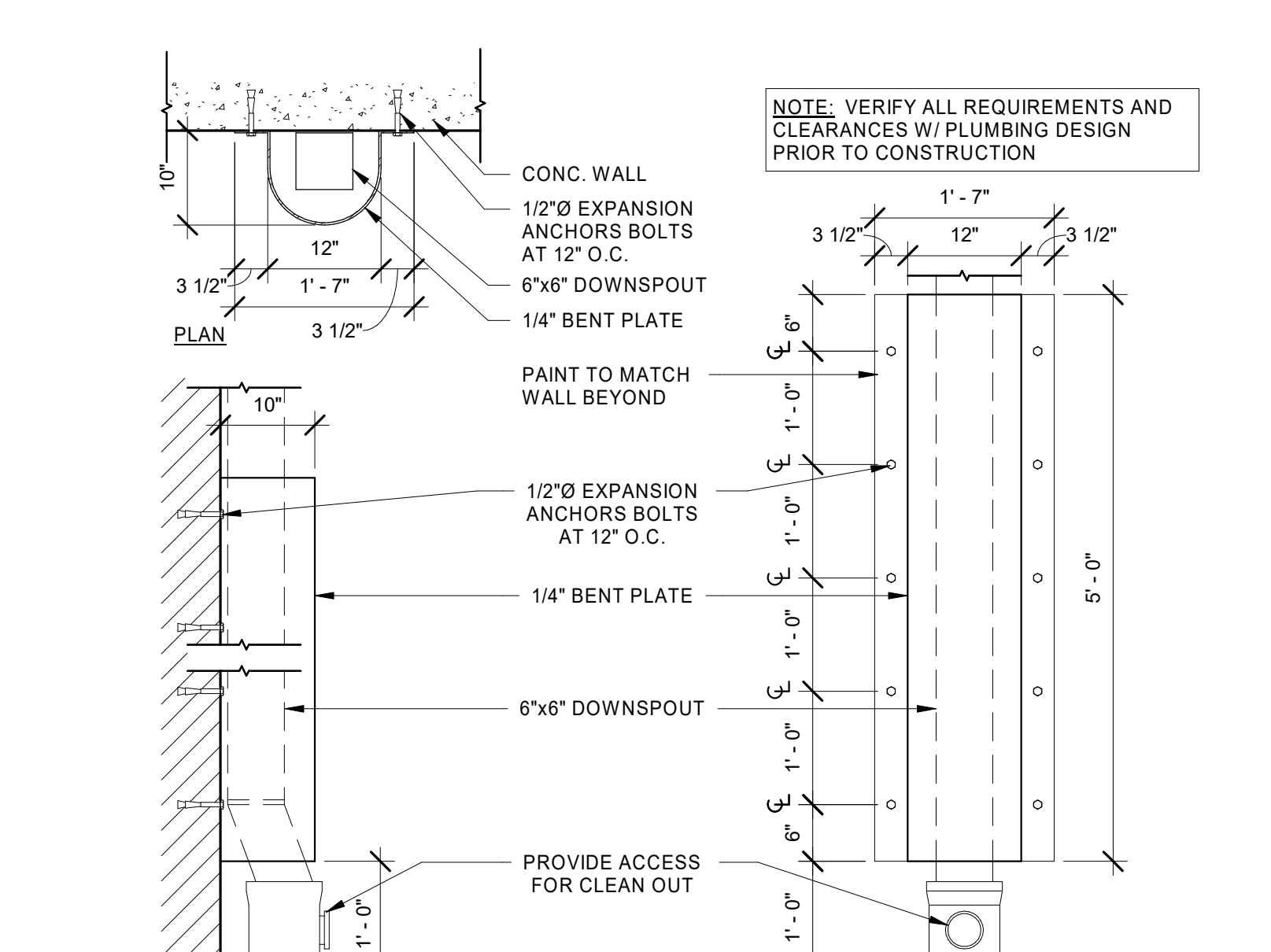
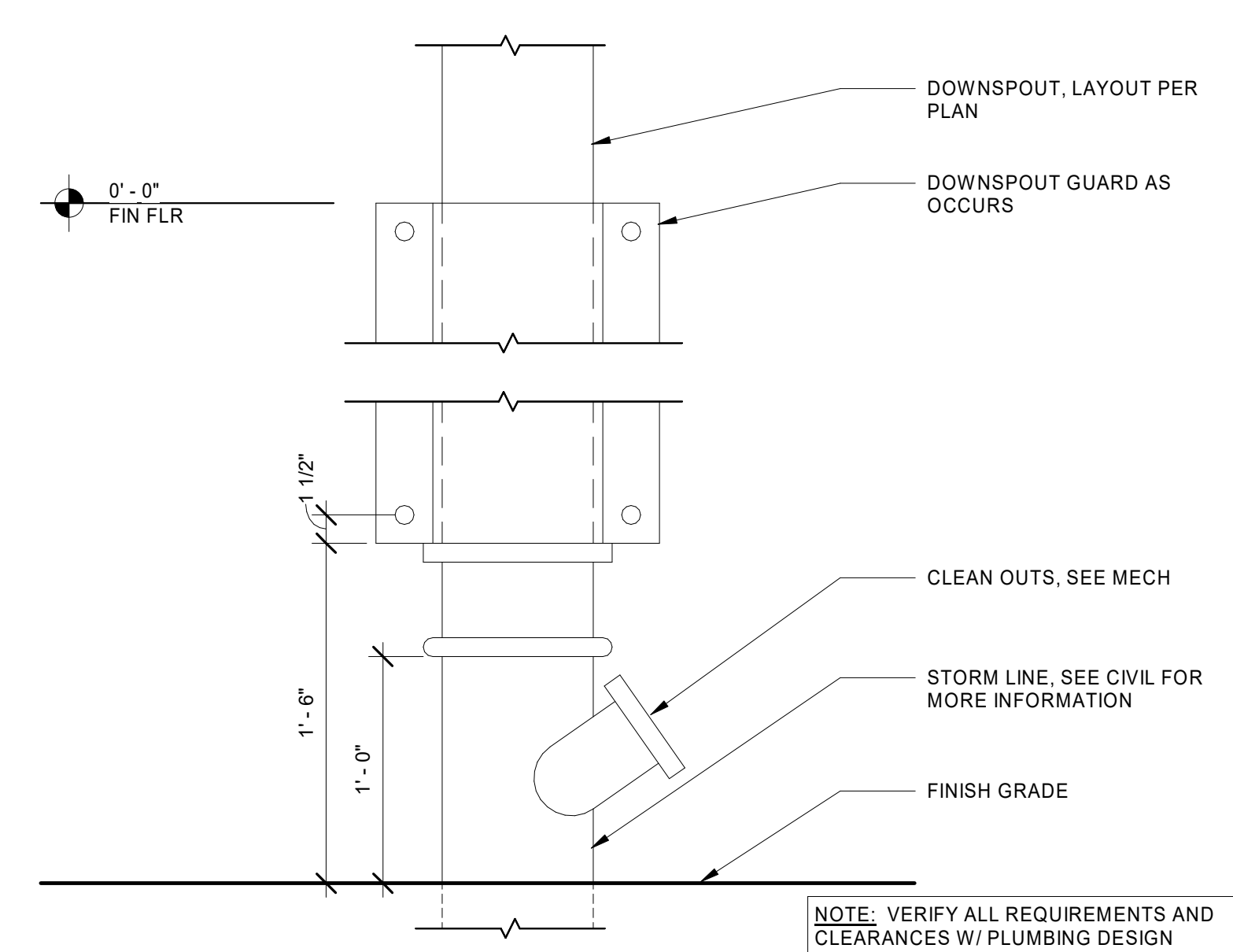
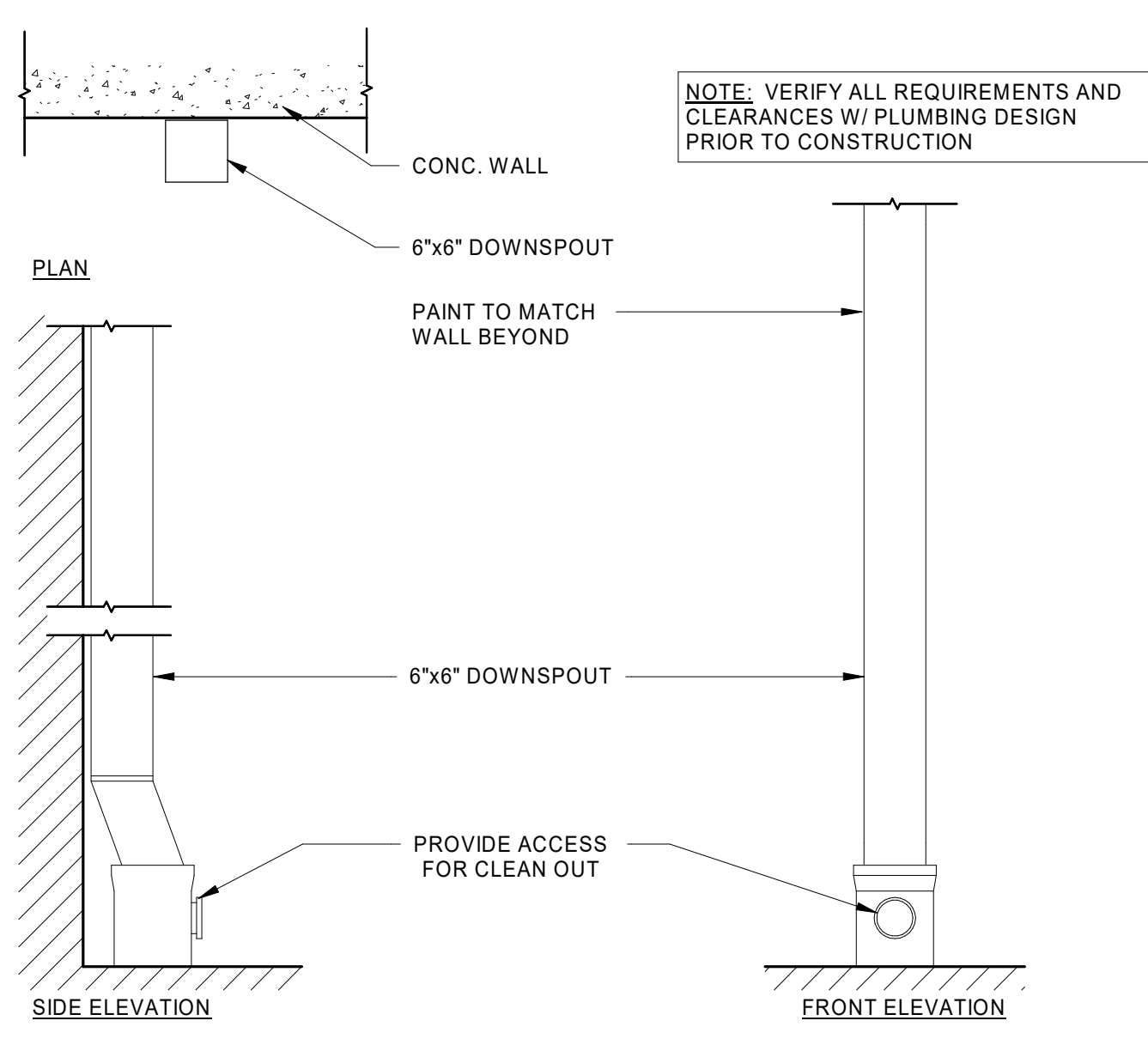
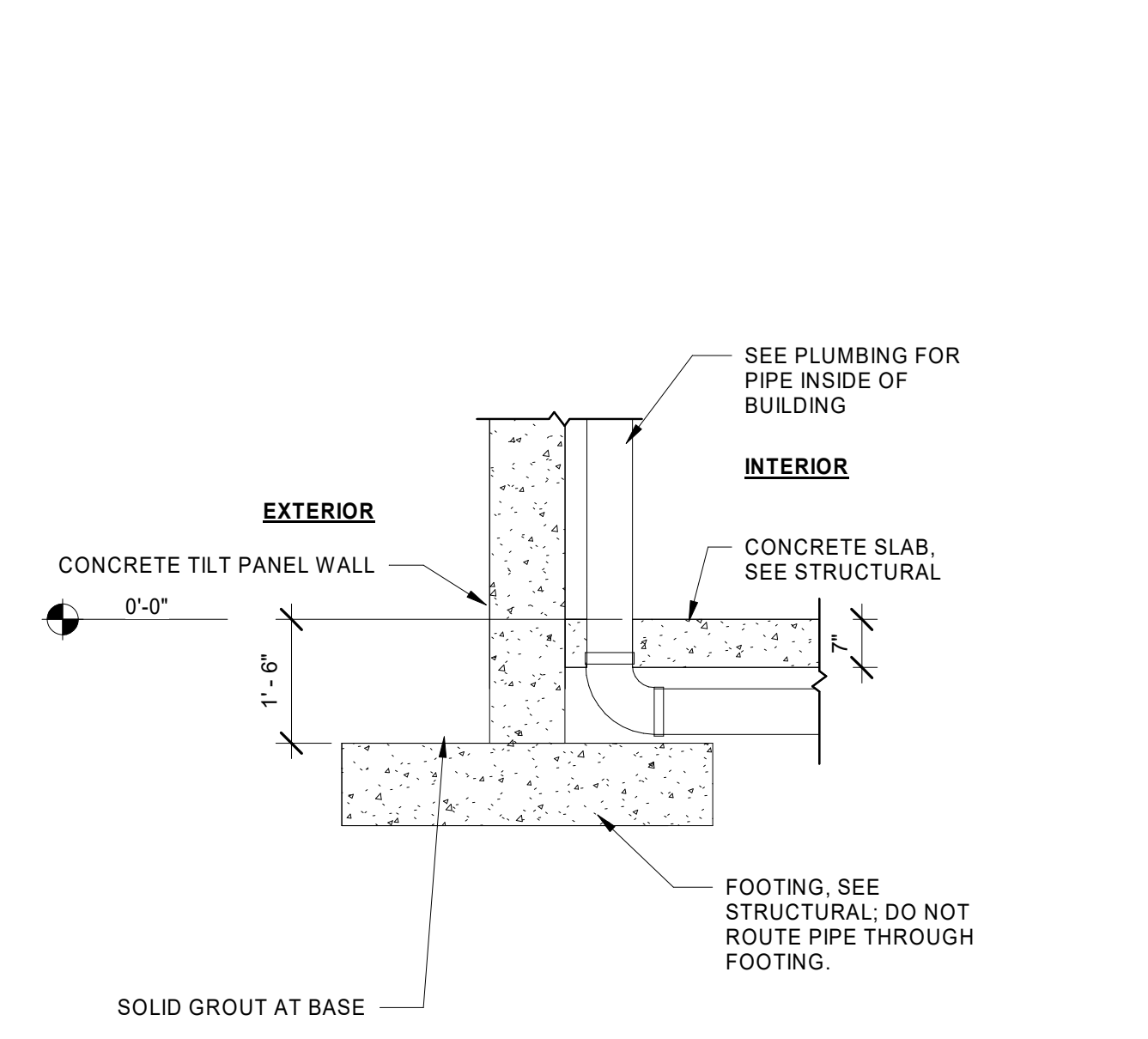


8 CRICKET PLAN
 A5.16 1/2" = 1'-0"

9 ROOF DRAIN PLAN
 A5.16 1/2" = 1'-0"

10 DOWNSPOUT GUARD PLAN
 A5.16 3" = 1'-0"

11 OVERFLOW DRAIN
 A5.16 1 1/2" = 1'-0"



12 ROOF DRAIN @ SLAB
 A5.16 1/2" = 1'-0"

13 DOWNSPOUT
 A5.16 3/4" = 1'-0"

14 DOWNSPOUT GUARD ELEVATION
 A5.16 1 1/2" = 1'-0"

15 DOWNSPOUT GUARD
 A5.16 3/4" = 1'-0"

REGISTERED ARCHITECT
 MACKENZIE
 1015 1ST AVENUE
 SEATTLE, WA 98101

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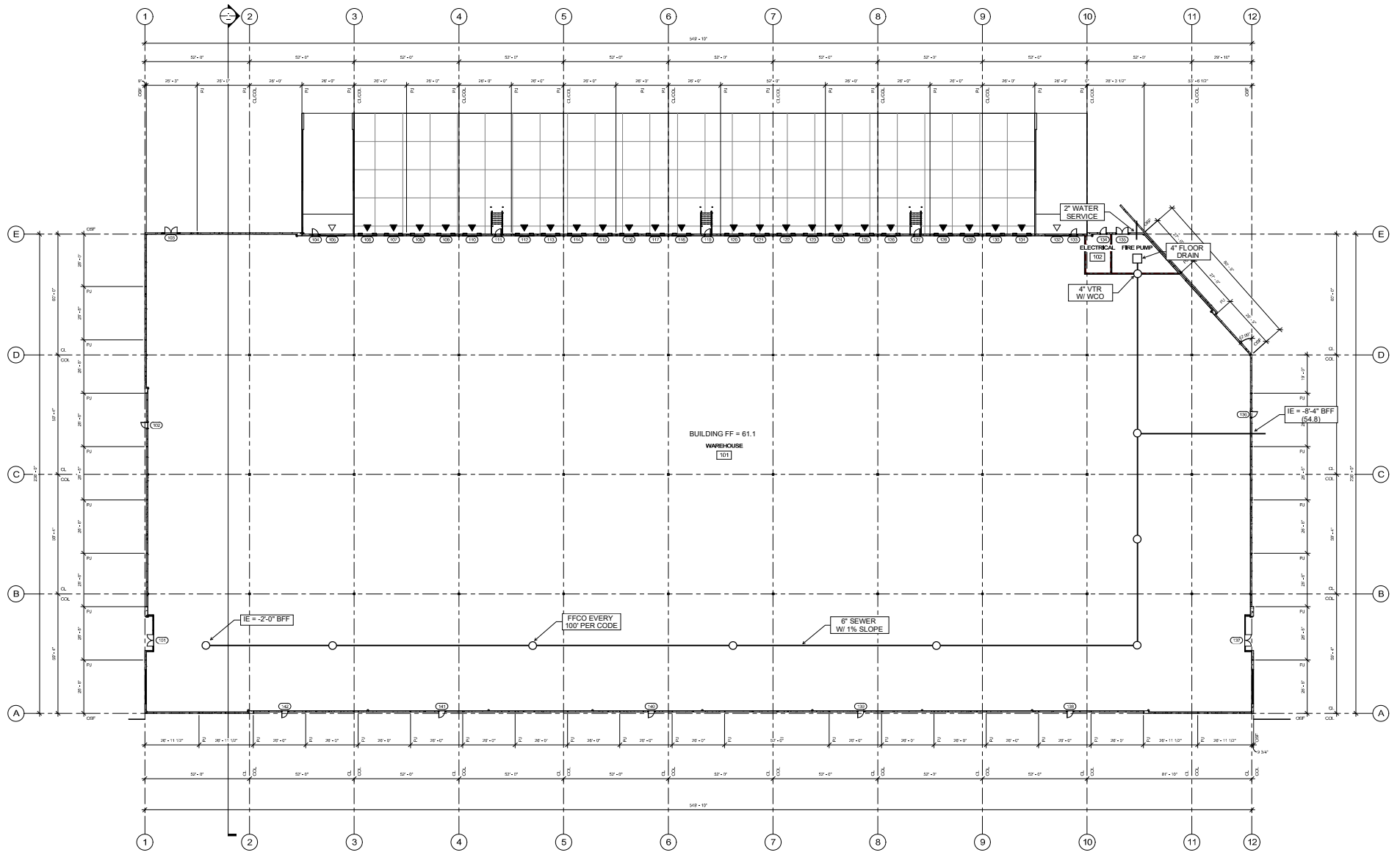
REVISION SCHEDULE		
Date	Issued As	Issue Date

SHEET TITLE:
ROOF DETAILS

SHEET

A5.16

JOB NO. **2220290.00**



Client
CRENS PUYALLUP OWNER LLC
 11611 SAN VICENTE BLVD
 10TH FLOOR LOS ANGELES CA 90009

Project
FORTRESS - PUYALLUP
 240 14TH ST SE PUYALLUP, WA, 98372

STATE MECHANICAL

① FIRST FLOOR PLAN
 1/16" = 1'-0"

REVISIONS		
NO.	DESCRIPTION	DATE

WATER AND SEWER PLAN

FORTRESS

PUYALLUP



ELECTRICAL DRAWINGS

KIRBY
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ELECTRICAL SHEET INDEX	
Sheet Number	Sheet Title
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E0.01	EQUIPMENT SCHEDULE
E0.02	LIGHTING SUMMARY
E1.01	SITE PLAN
E1.02	SITE PHOTOMETRIC
E2.01	POWER PLAN
E3.01	LIGHTING PLAN
E3.02	INTERIOR PHOTOMETRIC
E5.01	PANEL SCHEDULES
E6.01	ONE-LINE RISER DIAGRAM

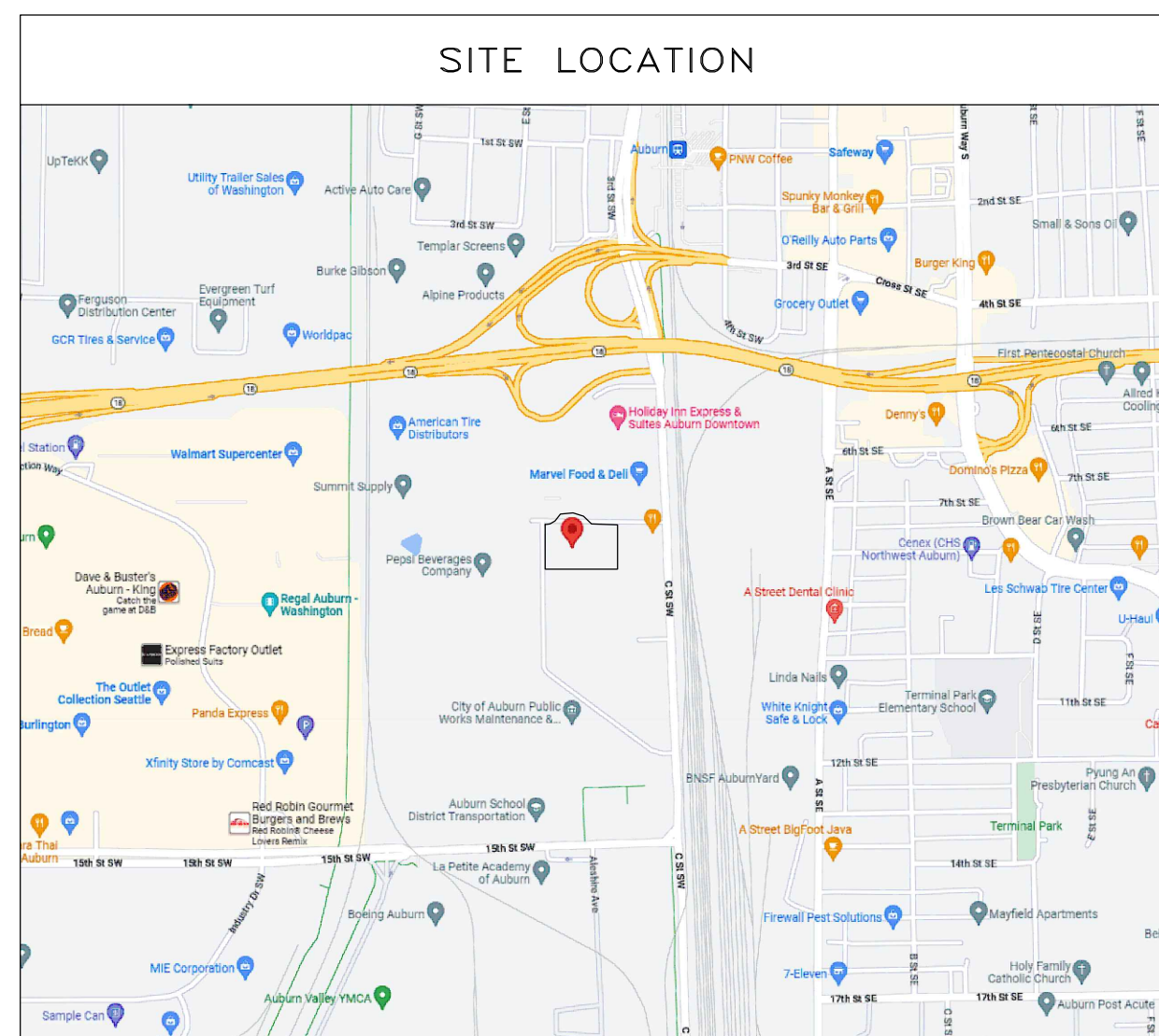
KIRBY
4826 7th St, NW • Suite 101 • Auburn, WA 98001
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PUYALLUP

240 114TH ST SE
PUYALLUP, WA 98372

REVISIONS:

- △ (2023-06-16) INITIAL REVIEW SET
- △ (2023-06-29) PERMIT SET



APPLICABLE CODES AND STANDARDS

2020 NATIONAL ELECTRICAL CODE (NEC) WITH LOCAL AND STATE AMENDMENTS

2018 WASHINGTON STATE ENERGY CODE (WSEC/NREC)

DESCRIPTION OF WORK:

INDUSTRIAL BUILDING, WAREHOUSE. 129,092 SQFT

JOB CONTACTS

PROJECT MANAGER	VITALY KALCHIK	VITALY@KIRBYELECTRIC.COM
FOREMAN	T.B.D.	T.B.D.
DRAWING/DESIGN INFORMATION	BRIAN MISHCHUK	BRIANM@KIRBYELECTRIC.COM

SHEET NUMBER: E0.00

SHEET TITLE:
COVER SHEET

PLOT DATE: 06-29-23

DRAWN BY: B.R.M.

JOB NUMBER: 23-027

LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	DESCRIPTION	MOUNTING	MODEL	INPUT WATTS	VOLTS	QUANTITY
DL		LED DOWN LIGHT	CEILING	JUNO JSF-13N-18LM-40K-90CRI-MVOLT-ZT-WH	20.2	277V 1P 2W	8
F1		LED HIGHBAY W/ INTEGRAL OCCUPANCY SENSOR	CEILING	ENVISION LED-LHB-4FT-3P320W	325.01	277V 1P 2W	17
F2		8' LED STRIP LIGHT	CEILING	COOPER METALUX 8SLSTP8040DD-UNV	79	120V 1P 2W	4
P		LED POLE LIGHT	POLE/WALL	LITHONIA RSXF3-LED-P4-40K-AWFD	311.92	277V 1P 2W	2
WM1		WALL MOUNT FIXTURE	WALL	LITHONIA RSXF1-LED-P2-40K-SP	72.95	277V 1P 2W	11
WM2		WALL MOUNT FIXTURE	WALL	LITHONIA RSXF2-LED-P3-40K-WFL	149.98	277V 1P 2W	1
WM3		EXTERIOR WALL MOUNT WEDGE FIXTURE	WALL	LITHONIA WDGE3-LED-P3-40K-70CRI-RFT-40K	71.7	277V 1P 2W	5
WM4		EXTERIOR WALL MOUNT WEDGE FIXTURE	WALL	LITHONIA WDGE2-LED-P2-40K-70CRI-T2M	18.9	277V 1P 2W	10
WMF		WALL MOUNT FIXTURE	CEILING	LITHONIA RSXF3-LED-P4-40K-NFL	311.92	277V 1P 2W	5
X1		LED EXIT AND EMERGENCY SIGN	WALL/CEILING	CPL APCH7G	10	277V 1P 2W	15
X1R		LED EMERGENCY LIGHTING REMOTE HEAD	WALL	CPL APWR1	10	277V 1P 2W	15

EQUIPMENT SCHEDULE

CALLOUT	DESCRIPTION	SYMBOL	VOLTS	AMPS	HP	CIRCUIT	MAKE & MODEL
DFP-CO	DIESEL FIRE PUMP - CONNECTION ONLY		480V 3P 4W	0.12	F HP		
EW-1	ELECTRIC WALL HEATER		120V 1P 2W	12.5		L1-12	
REF-1	ROOFTOP EXHAUST FAN		208V 2P 2W	7.96	3/4 HP	L1-1,3	T.B.D
REF-2	ROOFTOP EXHAUST FAN		208V 2P 2W	7.96	3/4 HP	L1-7,9	T.B.D
REF-3	ROOFTOP EXHAUST FAN		208V 2P 2W	7.96	3/4 HP	L1-11,13	T.B.D
REF-4	ROOFTOP EXHAUST FAN		208V 2P 2W	7.96	3/4 HP	L1-17,19	T.B.D
UH-1	GAS UNIT HEATER		120V 1P 2W	6.75		L1-5	T.B.D.
UH-2	GAS UNIT HEATER		120V 1P 2W	6.75		L1-5	T.B.D.
UH-3	GAS UNIT HEATER		120V 1P 2W	6.75		L1-15	T.B.D.
UH-4	GAS UNIT HEATER		120V 1P 2W	6.75		L1-15	T.B.D.

SWITCH SCHEDULE

CALLOUT	SYMBOL	QUANTITY
GENERIC SWITCH		2
TIMECLOCK		1

RECEPTACLE SCHEDULE

CALLOUT	SYMBOL	VOLTS	FEATURES	QUANTITY
DEDICATED DUPLEX		120V 1P 2W	GND	3
DEDICATED QUADPLEX		120V 1P 2W	GND	1

WSEC LIGHTING SUMMARY (CONTINUES ON PAGE E0.02)

LIGHTING COMPLIANCE SUMMARY						
2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1						
Project Title: Fortress - Puyallup - 2018 WSEC			Date: Jun 29, 2023			
Project Address: 240 11th St SE, Puyallup, WA 98372			For Building Department Use:			
Applicant Name: Brian Mischuk			Applicant Phone: 253-859-2000			
Applicant Email: brianm@kirbyelectric.com			For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com			
General Occupancy: All Commercial		General Building Use Type: Warehouse, General Storage		Building Cond. Floor Area: 129,090		Project Cond. Floor Area: 129,090
General Project Types: New Building		Interior Lighting Scope: Interior Lighting		Alteration Lighting Scope: Exterior Lighting		Floors Above Grade: 1
Lighting Project Description: INDUSTRIAL BUILDING TILT-UP WAREHOUSE						
Lighting Compliance Scope and Method: New Building		Interior / Exterior (Interior includes both interior & parking): Interior Lighting		Luminaire Replacement Scope: Space by space		Compliance Method: LPA Calculation Adjustment
Additional Efficiency Options Included:				Compliance Verification: Reduced lighting power density option - 20%		COMPLIES
				Not applicable to exterior		COMPLIES
Project Title: Fortress - Puyallup - 2018 WSEC			Date: Jun 29, 2023			
Lighting Power Calculation: NEW BUILDING - INTERIOR LIGHTING			Compliance Verification: COMPLIES			
Compliance Method: Space by space			LPA Calculation Adjustment		LPA x 0.8	
Interior Lighting Power Allowance - Space by Space						
General Space Type		Specific Space Type		Ceiling Height (Ft)	Gross Interior Area (SF)	Total Watts Allowed (SF x LPA x 0.8)
Electrical/mechanical				725	0.43	312
Warehouse/storage area		Medium to bulky palletized items		128,367	0.33	42,361
				Proposed Total LPD		8721.2
Totals				Calculation Adjustment Applied - LPA x 0.8		34,138
Proposed Lighting Power Density						
Fixture Type		Fixture ID	Quantity of Fixtures (QF)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)
Individual Fixtures		Horizontal surface-mount	F2	4	799	3,196
		Suspended	F1	17	325	5,525
				Proposed Total LPD		8721.2
Project Title: Fortress - Puyallup - 2018 WSEC			Date: Jun 29, 2023			
Proposed Fixtures Details: NEW BUILDING - INTERIOR LIGHTING			Compliance Verification: COMPLIES			
Fixture Type/Application		Fixture ID		Location in Documents		Lamp Type
Individual Fixtures		Horizontal surface-mount		F2		E0.01, E3.01
		Fixture Description: 8' LED STRIP LIGHT				LED
		Do these fixtures require specific application lighting controls?: None required				Are these fixtures located within a daylight zone?: No
		Suspended		F1		E0.01, E3.01
		Fixture Description: LED Highbay				LED
		Do these fixtures require specific application lighting controls?: None required				Are these fixtures located within a daylight zone?: No
Project Title: Fortress - Puyallup - 2018 WSEC			Date: Jun 29, 2023			
Lighting Power Calculation: NEW BUILDING - EXTERIOR LIGHTING			Compliance Verification: COMPLIES			
Exterior Lighting Zone: ZONE 2			Base Site Allowance		400	
Exterior Tradable Lighting Power Allowance						
Tradable Surface		Tradable Surface Sub-Type		Surface Area (SF)	LPA (Watts/SF)	Linear Feet (LF)
Building entrances and exits		Entry canopies		1,600	0.25	400
Uncovered parking areas and drives				125,997	0.04	5,040
				Base Site Allowance		400
Totals				5,840		3,845
Proposed Tradable Lighting Power Density						
Fixture Type		Fixture ID	Tradable Surface Type	Quantity of Fixtures (QF)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)
Individual Fixtures		Canopy	DL	8	20	162
		Pole-mounted	P	2	312	624
		Wall-mounted	WM4	10	19	189
		Wall-mounted	WM3	5	72	359
		Wall-mounted	WMF	5	312	1,560
		Wall-mounted	WM2	1	150	150
		Wall-mounted	WM1	11	73	803
				Tradable Proposed Total		3845

FORTRESS PUYALLUP

240 114TH ST SE
 PUYALLUP, WA 98372

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SHEET NUMBER: E0.01

SHEET TITLE:
 EQUIPMENT SCHEDULE

PLOT DATE: 06-29-23

DRAWN BY: B.R.M.

JOB NUMBER: 23-027



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REVISIONS:
 (2023-06-16) INITIAL REVIEW SET
 (2023-06-29) PERMIT SET

SHEET NUMBER: E0.02

SHEET TITLE: LIGHTING SUMMARY

PLOT DATE: 06-29-23

DRAWN BY: B.R.M.

JOB NUMBER: 23-027

Lighting, Motor and Electrical Requirements List, pg 5 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 - Administered by 62023 NEEA. All rights reserved.
 The following information is necessary to check a permit application for compliance with the lighting systems, motors and electrical system requirements in the Washington State Energy Code, Commercial Provisions.
 For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

Code Section	Component	Compliance Information Required in Permit Documentation	Location in Documents	Building Department Notes
Date: 2023-06-29				
LIGHTING SCOPE				
C405.1	Construction documents - General	For a shell & core or tenant space (first build-out) project, indicate if there is no lighting scope included in the project.		
C405.1	Construction documents - General	For an alteration project, indicate if there is no lighting scope included in the project.		
LIGHTING CONTROLS				
YES	C405.2	Lighting controls, general	E0.01, E1.01, E3.01, E6.01	
YES	C405.2.1	Luminaire level lighting controls (LLC)		
YES	C405.2.5, C405.2.1.1, C405.2.3.1	Lighting in dwelling units (dormitory, hotel and all other than multifamily)		
YES	C405.2.5, C405.2.1	Lighting in sleeping units		
YES	C405.2.3, C405.2.3.1, C405.2.5	Manual controls	E0.01, E1.01, E3.01, E6.01	
NA	C405.2.3.1, C405.2.1	Manual interior light reduction controls		
YES	C405.2.1, C405.2.1.1, C405.2.1, C405.2.1, C405.2.1	Method of automatic shut-off control	E0.01	
YES	C405.2.1	Occupant sensor controls	E0.01, E6.01	
NA	C405.2.1, C405.2.1.1	Occupant sensor controls	E0.01, E6.01	
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Lighting, Motor and Electrical Requirements List, pg 4 of 10

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Code Section	Component	Compliance Information Required in Permit Documentation	Location in Documents	Building Department Notes
NA	C405.2.4	Daylight responsive controls		
YES	C405.2.5, Item 5	Means of egress lighting		
YES	C405.2.4.1.1	Daylight responsive controls		
NA	C405.2.4.1	Daylight responsive controls		
NA	C405.2.4.1	Daylight responsive controls		
NA	C405.2.5	Additional controls - Specific application lighting controls		
NA	C405.2.5	Display and accent lighting		
NA	C405.2.5	Hand/mounted guest rooms		
NA	C405.2.5	Supplemental task lighting		
NA	C405.2.5	Lighting equipment for sale or demonstration		
NA	C405.5.2	Lighting control of exempt exterior lighting		
NA	C405.5.4	Exterior gas-fired lighting appliances		
YES	C405.2.7	Area controls - Master control switches and circuit power limit	E5.01	
YES	C405.2.7	Area controls - Master control switches and circuit power limit	E5.01	
ADDITIONAL EFFICIENCY CREDIT - ENHANCED INTERIOR LIGHTING CONTROLS				
YES	C405.2.1	Building Area Method		
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Lighting, Motor and Electrical Requirements List, pg 3 of 10

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Code Section	Component	Compliance Information Required in Permit Documentation	Location in Documents	Building Department Notes
NA	C405.2.1.2	Occupant sensor controls - warehouses spaces		
YES	C405.2.1.2	Occupant sensor controls - warehouses spaces	E0.01, E6.01	
NA	C405.2.1.3	Occupant sensor controls - open plan office areas		
NA	C405.2.1.4	Occupant sensor controls - parking garages		
NA	C405.2.1.5	Occupant sensor controls - enclosed fire-rated stairwells		
YES	C405.2.2.1	Automatic time switch controls	E0.01, E6.01	
NA	C405.2.5	Supplemental task lighting		
NA	C405.2.5	Lighting equipment for sale or demonstration		
NA	C405.2.1, C405.2.1.1	Digital timer switch		
NA	C405.2.4.2, C405.2.4.3	Daylight zones - Slidet and toplit		
NA	C405.2.5	Lighting for non-visual applications		
NA	C405.2.5	Lighting for non-visual applications		
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Lighting, Motor and Electrical Requirements List, pg 2 of 10

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Code Section	Component	Compliance Information Required in Permit Documentation	Location in Documents	Building Department Notes
NA	C405.2.1.2	Occupant sensor controls - warehouses spaces		
YES	C405.2.1.2	Occupant sensor controls - warehouses spaces	E0.01, E6.01	
NA	C405.2.1.3	Occupant sensor controls - open plan office areas		
NA	C405.2.1.4	Occupant sensor controls - parking garages		
NA	C405.2.1.5	Occupant sensor controls - enclosed fire-rated stairwells		
YES	C405.2.2.1	Automatic time switch controls	E0.01, E6.01	
NA	C405.2.5	Supplemental task lighting		
NA	C405.2.5	Lighting equipment for sale or demonstration		
NA	C405.2.1, C405.2.1.1	Digital timer switch		
NA	C405.2.4.2, C405.2.4.3	Daylight zones - Slidet and toplit		
NA	C405.2.5	Lighting for non-visual applications		
NA	C405.2.5	Lighting for non-visual applications		
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Lighting, Motor and Electrical Requirements List, pg 1 of 10

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Code Section	Component	Compliance Information Required in Permit Documentation	Location in Documents	Building Department Notes
Date: 2023-06-29				
LIGHTING SCOPE				
C405.1	Construction documents - General	For a shell & core or tenant space (first build-out) project, indicate if there is no lighting scope included in the project.		
C405.1	Construction documents - General	For an alteration project, indicate if there is no lighting scope included in the project.		
LIGHTING CONTROLS				
YES	C405.2	Lighting controls, general	E0.01, E1.01, E3.01, E6.01	
YES	C405.2.1	Luminaire level lighting controls (LLC)		
YES	C405.2.5, C405.2.1.1, C405.2.3.1	Lighting in dwelling units (dormitory, hotel and all other than multifamily)		
YES	C405.2.5, C405.2.1	Lighting in sleeping units		
YES	C405.2.3, C405.2.3.1, C405.2.5	Manual controls	E0.01, E1.01, E3.01, E6.01	
NA	C405.2.3.1, C405.2.1	Manual interior light reduction controls		
YES	C405.2.1, C405.2.1.1, C405.2.1, C405.2.1, C405.2.1	Method of automatic shut-off control	E0.01	
YES	C405.2.1	Occupant sensor controls	E0.01, E6.01	
NA	C405.2.1, C405.2.1.1	Occupant sensor controls	E0.01, E6.01	
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Lighting, Motor and Electrical Requirements List, pg 10 of 10

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Code Section	Component	Compliance Information Required in Permit Documentation	Location in Documents	Building Department Notes
NA	C408.1.2, C408.1.2.1, C408.1.4, C103.6.3	Commissioning requirements in construction documents		
NA	C408.1.2, C408.1.4, C103.6.3	Commissioning requirements in construction documents		
NA	C408.4.1	Functional performance testing criteria		
PROJECT CLOSE OUT DOCUMENTATION				
YES	C103.6.3	Project close out documentation requirements		E0.02
If "no" is selected for any question, provide explanation.				
DOCUMENTATION AND SYSTEM REQUIREMENTS TO SUPPORT COMMISSIONING (CX)				
YES	C108.4	Scope of electrical power and lighting systems commissioning	E0.01, E1.01, E3.01, E6.01	
NA	C108.1.2, C108.1.2, C108.1.2, C103.6.3	Commissioning requirements in construction documents		
MOTORS, TRANSFORMERS, ELECTRIC METERS, INTERIOR TRANSPORTATION				
Page 10/10				

Lighting, Motor and Electrical Requirements List, pg 9 of 10

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Code Section	Component	Compliance Information Required in Permit Documentation	Location in Documents	Building Department Notes
YES	C405.6	Electrical transformers	E5.01, E6.01	
YES	C405.11	Feeders and branch circuits	E5.01, E6.01	
C405.7	Dwelling unit electrical energy consumption			
C405.8	Electric motor efficiency			
C405.9.1	Elevator cabs			
C405.9.2	Escalators and moving walks			
C405.9.3	Regenerative drive			
DOCUMENTATION AND SYSTEM REQUIREMENTS TO SUPPORT COMMISSIONING (CX)				
YES	C108.4	Scope of electrical power and lighting systems commissioning	E0.01, E1.01, E3.01, E6.01	
NA	C108.1.2, C108.1.2, C108.1.2, C103.6.3	Commissioning requirements in construction documents		
MOTORS, TRANSFORMERS, ELECTRIC METERS, INTERIOR TRANSPORTATION				
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Lighting, Motor and Electrical Requirements List, pg 8 of 10

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Code Section	Component	Compliance Information Required in Permit Documentation	Location in Documents	Building Department Notes
C503.6.3	Lighting panel alterations			
C503.6.4	Newly created rooms			
C504.2	Lighting repairs			
C505.1	Change of interior space use			
RECEPTACLES				
NA	C405.10	Controlled receptacles		
NA	C405.10	Controlled receptacles		
NA	C405.2.5	Switched receptacles in sleeping units		
C503.6.6	Electrical receptacle alterations			
MOTORS, TRANSFORMERS, ELECTRIC METERS, INTERIOR TRANSPORTATION				
Page 8/10				

Lighting, Motor and Electrical Requirements List, pg 7 of 10

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Code Section	Component	Compliance Information Required in Permit Documentation	Location in Documents	Building Department Notes
NA	C405.4.2.2	Space-By-Space Method		
LIGHTING ALTERATIONS				
C503.6.1	Interior and parking garage lighting fixture alterations			
C503.6.2	Interior lighting wiring and circuiting alterations			
RECEPTACLES				
NA	C405.10	Controlled receptacles		
NA	C405.10	Controlled receptacles		
NA	C405.2.5	Switched receptacles in sleeping units		
C503.6.6	Electrical receptacle alterations			
MOTORS, TRANSFORMERS, ELECTRIC METERS, INTERIOR TRANSPORTATION				
Page 7/10				

Lighting, Motor and Electrical Requirements List, pg 6 of 10

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Code Section	Component	Compliance Information Required in Permit Documentation	Location in Documents	Building Department Notes
YES	C405.4.2.2	Space-By-Space Method	E0.02	
ADDITIONAL EFFICIENCY CREDITS - REDUCED INTERIOR LIGHTING POWER DENSITY				
YES	C406.3.1, C406.3.2	Reduced interior lighting power density	E0.02	
C406.3	Reduced interior lighting power density - dwelling unit lamp efficacy			
EXTERIOR LIGHTING POWER & EFFICACY				
YES	C405.5.2	Total connected exterior lighting power	E0.01, E0.02, E1.01, E5.01	
YES	C405.5.3(1)	Exterior lighting zone	E0.01, E0.02, E1.01, E5.01	
NA	C405.5.1	Exterior building grounds lighting		
EXTERIOR LIGHTING POWER CALCULATION				
YES	C405.5.3	Tradable allowances	E0.01, E0.02, E1.01	
Page 6/10				

FLAG NOTES:

1 FIELD COORDINATE OPTIMAL STUB-IN LOCATION TO ELECTRICAL ROOM FOR ALL CONDUITS DESIGNATED.



FORTRESS PUYALLUP

240 114TH ST SE
PUYALLUP, WA 98372

REVISIONS:

- ▲ (2023-06-16) INITIAL REVIEW SET
- ▲ (2023-06-29) PERMIT SET

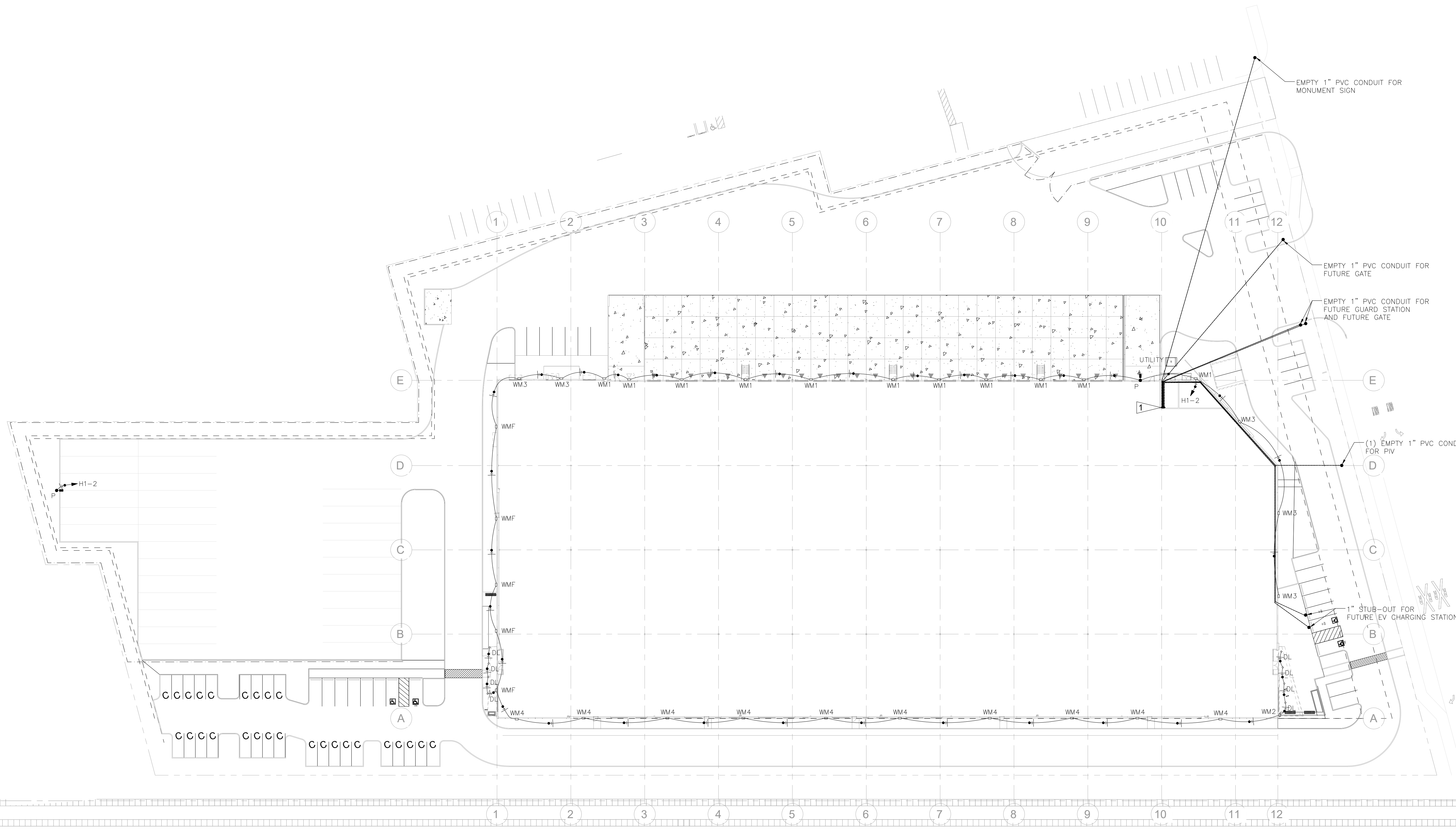
SHEET NUMBER: E1.01

SHEET TITLE:
SITE PLAN

PLOT DATE: 06-29-23

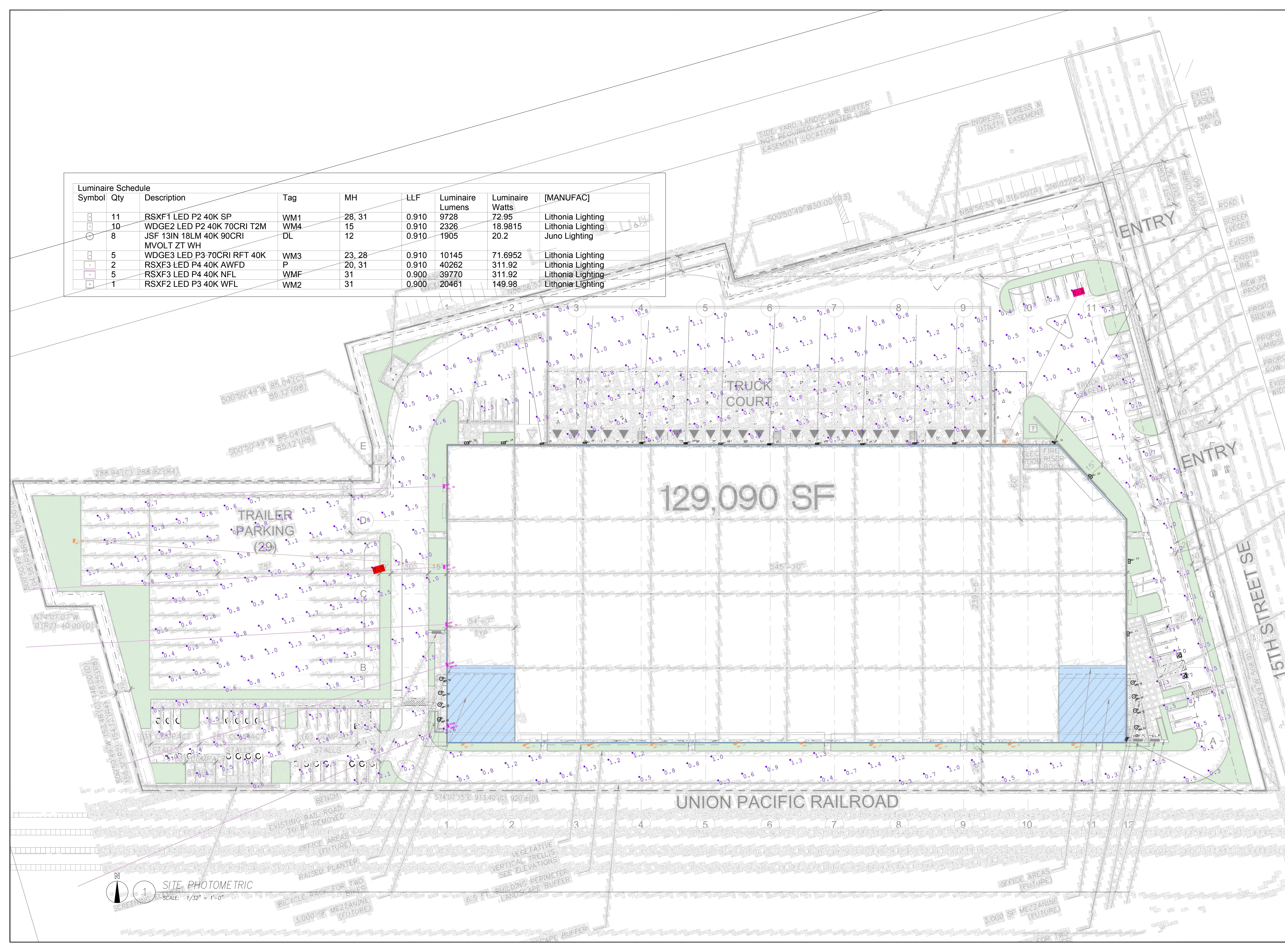
DRAWN BY: B.R.M.

JOB NUMBER: 23-027



1 SITE PLAN
SCALE: 1/32" = 1'-0"

Luminaire Schedule								
Symbol	Qty	Description	Tag	MH	LLF	Luminaire Lumens	Luminaire Watts	[MANUFAC]
□	11	RSXF1 LED P2 40K SP	WM1	28, 31	0.910	9728	72.95	Lithonia Lighting
□	10	WDGE2 LED P2 40K 70CRI T2M	WM4	15	0.910	2326	18.9815	Lithonia Lighting
○	8	JSF 13IN 18LM 40K 90CRI MVOLT ZT WH	DL	12	0.910	1905	20.2	Juno Lighting
□	5	WDGE3 LED P3 70CRI RFT 40K	WM3	23, 28	0.910	10145	71.6952	Lithonia Lighting
□	2	RSXF3 LED P4 40K AWF	P	20, 31	0.910	40262	311.92	Lithonia Lighting
□	5	RSXF3 LED P4 40K NFL	WMF	31	0.900	39770	311.92	Lithonia Lighting
□	1	RSXF2 LED P3 40K WFL	WM2	31	0.900	20461	149.98	Lithonia Lighting



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SHEET NUMBER: E1.02

SHEET TITLE:
 SITE PHOTOMETRIC

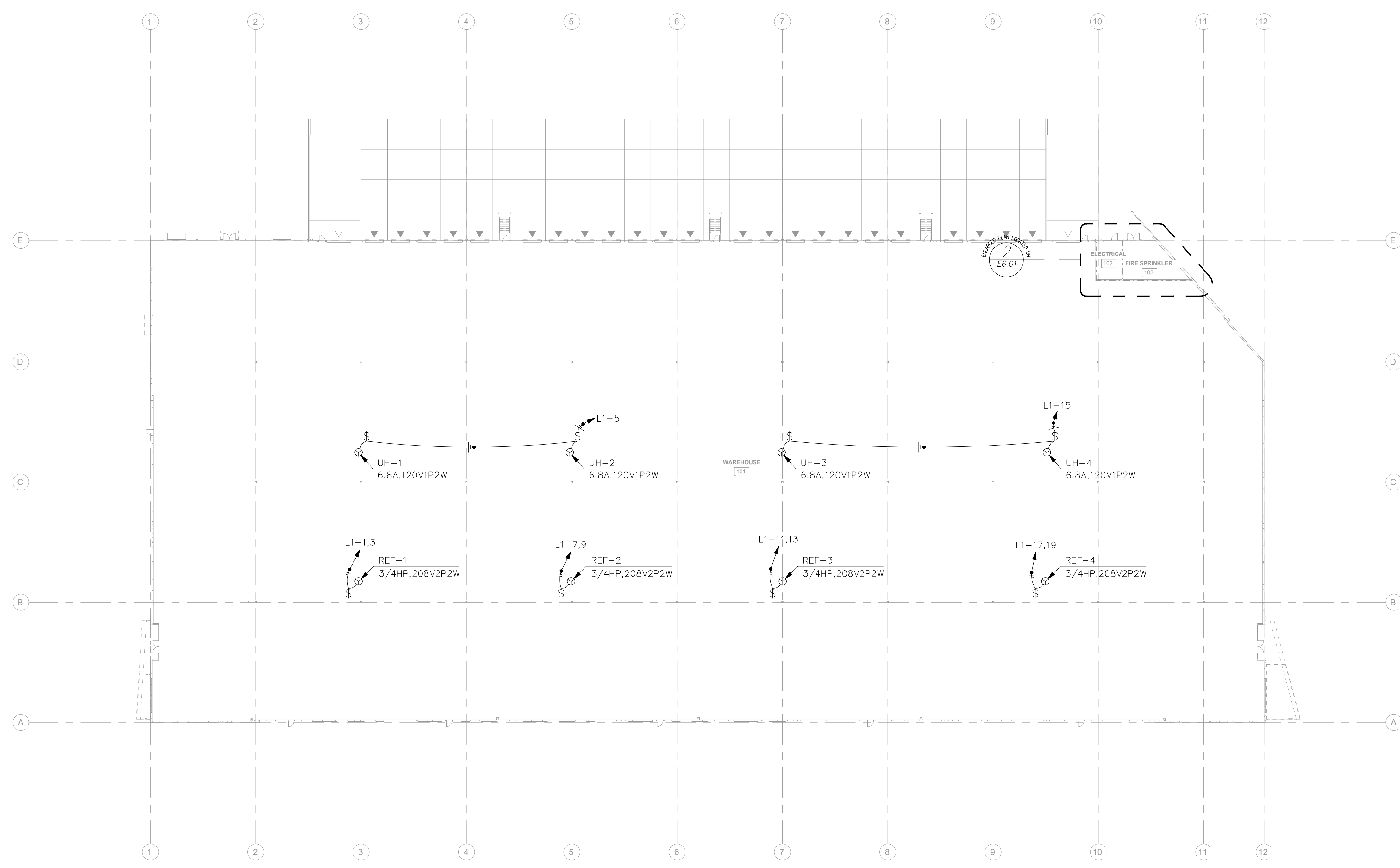
PLOT DATE: 06-29-23
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POWER PLAN
 SCALE: 1" = 30'-0"

SHEET NUMBER: E2.01

SHEET TITLE: POWER PLAN

PLOT DATE: 06-29-23

DRAWN BY: B.R.M.

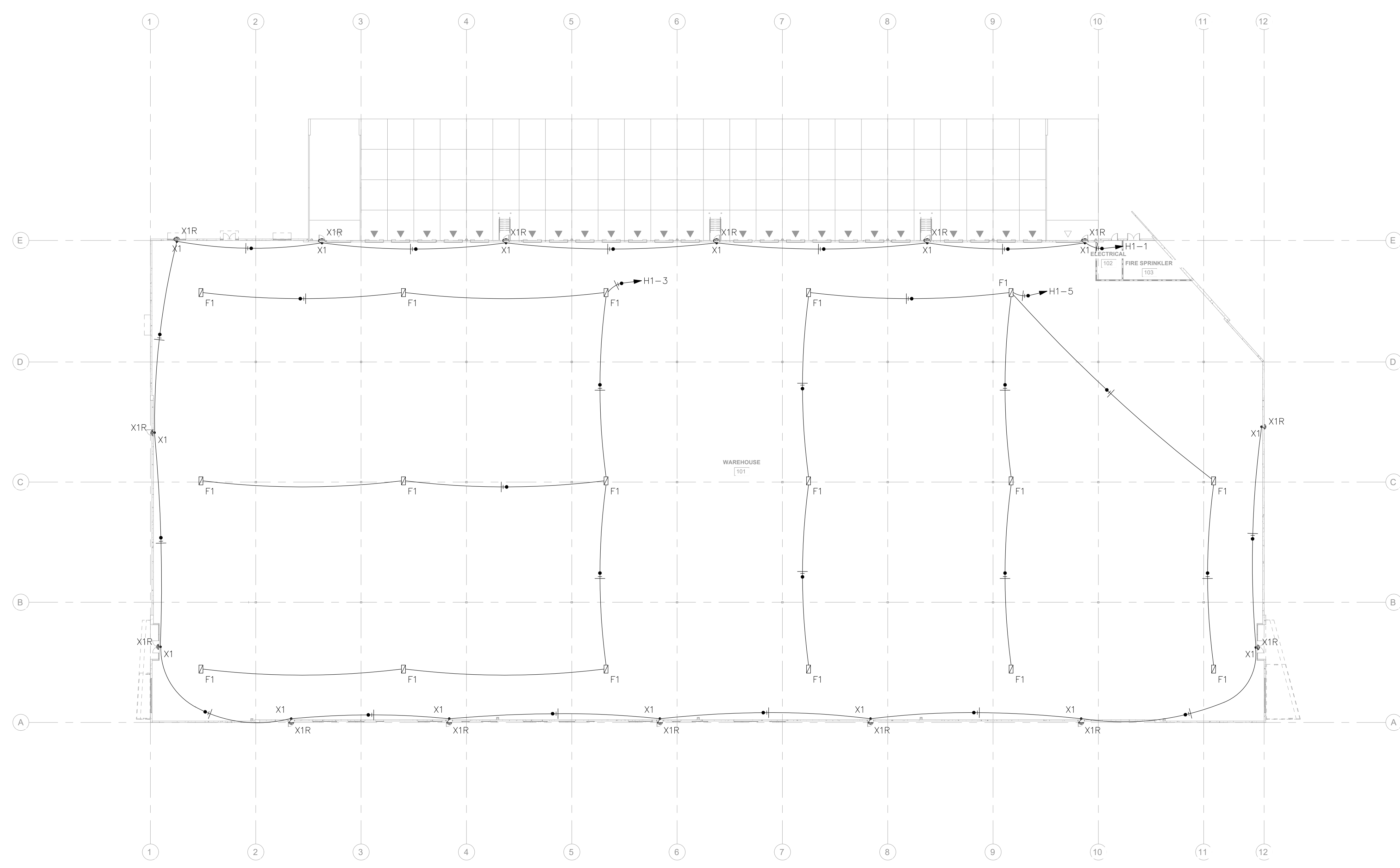
JOB NUMBER: 23-027

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1 LIGHTING PLAN
 SCALE: x/xx" = 1'-0"

SHEET NUMBER: E3.01

SHEET TITLE:
 LIGHTING PLAN

PLOT DATE: 06-29-23

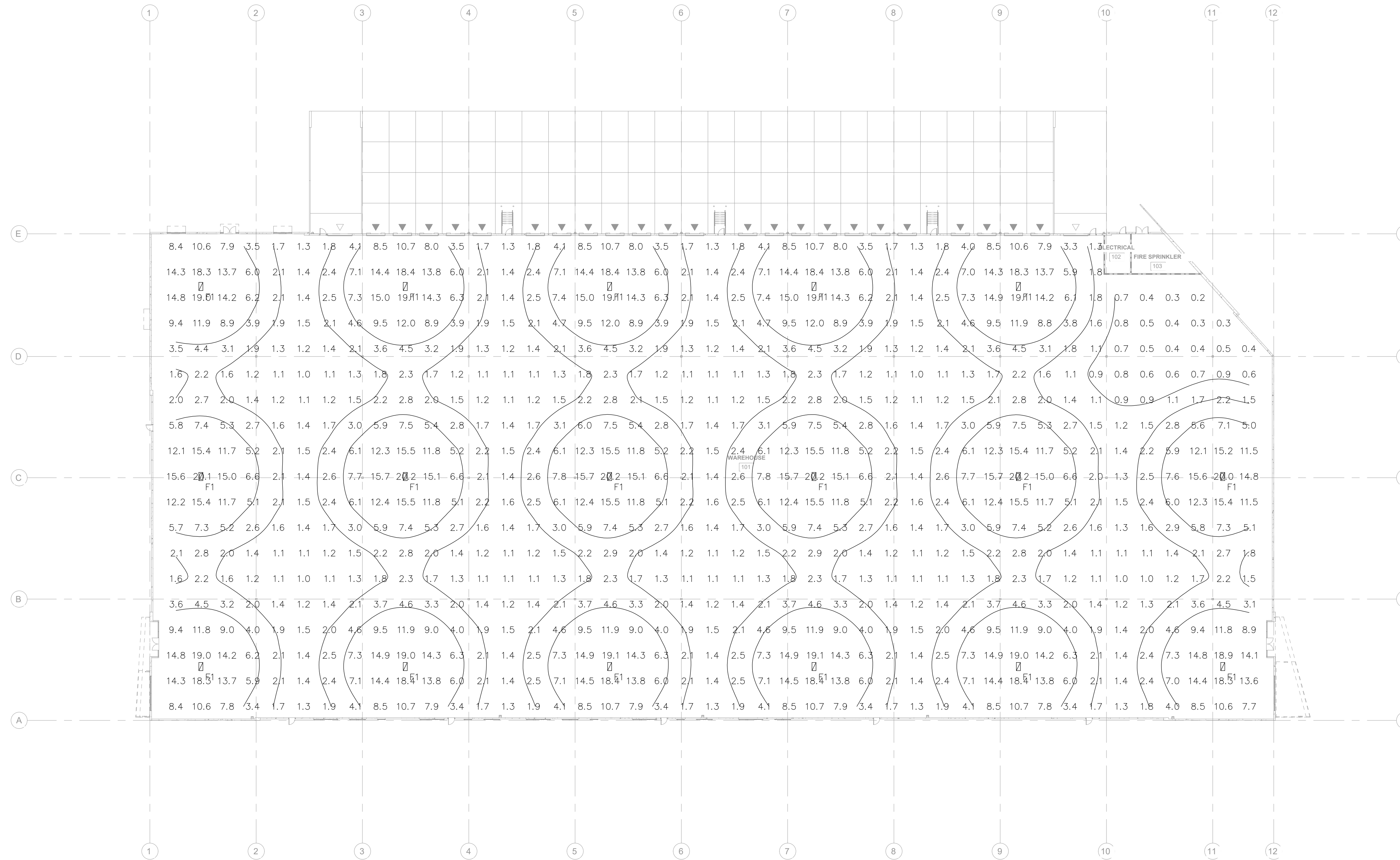
DRAWN BY: B.R.M.

JOB NUMBER: 23-027

GENERAL PHOTOMETRIC SCHEDULE	
AVERAGE FOOT-CANDLES	5.15
MAXIMUM FOOT-CANDLES	20.2
MINIMUM FOOT-CANDLES	0.2
MINIMUM TO MAXIMUM FC RATIO	0.01
MAXIMUM TO MINIMUM FC RATIO	82.49
AVERAGE TO MINIMUM FC RATIO	21.01

CALCULATION SETTINGS			
CEILING HEIGHT	LIGHT FIXTURE HEIGHT	CALCULATION HEIGHT	FOOTCANDLE SPACING
+40'	+36'	+3'	12'-6"

INTERIOR PHOTOMETRIC LUMINAIRE SCHEDULE							
CALLOUT	SYMBOL	DESCRIPTION	MOUNTING	MODEL	WATTAGE	VOLTS	QUANTITY
F1	⊞	HIGHBAY	SUSPENDED	ENVISION LED-LHB-4FT-3P320W	325.01	MULTIPLE	17



1 INTERIOR PHOTOMETRIC
SCALE: x/xx" = 1'-0"



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SHEET NUMBER: E3.02

SHEET TITLE:
INTERIOR PHOTOMETRIC

PLOT DATE: 06-29-23

DRAWN BY: B.R.M.

JOB NUMBER: 23-027

H1												
ROOM			VOLTS 480Y/277V 3P 4W			AIC 65,000						
MOUNTING SURFACE			BUS AMPS 125			MAIN BKR MLO						
FED FROM MSB-#2			NEUTRAL 100%			LUGS STANDARD						
NOTE												
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			
			A	B	C				A	B	C	
1	20/1	EXIT SIGNS / EGRESS LIGHTING	0.3			2	20/1	EXTERIOR LIGHTING	3.84			
3	20/1	INTERIOR LIGHTING		2.93		4	20/1	SPACE		0		
5	20/1	INTERIOR LIGHTING			2.6	6	20/1	SPACE			0	
7	20/1	SPACE	0			8	20/1	SPACE	0			
9	20/1	SPACE		0		10	20/1	SPACE		0		
11	20/1	SPACE			0	12	20/1	SPACE			0	
13	20/1	SPACE	0			14	20/1	SPACE	0			
15	20/1	SPACE			0	16	20/1	SPACE		0		
17	20/1	SPACE			0	18	20/1	SPACE			0	
19	20/1	SPACE	0			20	20/1	SPACE	0			
21	20/1	SPACE		0		22	20/1	SPACE		0		
23	20/1	SPACE			0	24	20/1	SPACE			0	
25	20/1	SPACE	0			26	20/1	SPACE	0			
27	20/1	SPACE			0	28	20/1	SPACE		0		
29	20/1	SPACE			0	30	20/1	SPACE			0	
31	20/1	SPACE	0			32	20/1	SPACE	0			
33	20/1	SPACE		0		34	20/1	SPACE		0		
35	20/1	SPACE			0	36	20/1	SPACE			0	
37	20/1	SPACE	0			38	50/3	XFMR X1	4.31			
39	20/1	SPACE			0	40				3.72		
41	20/1	SPACE			0	42					4.36	
TOTAL CONNECTED KVA BY PHASE									8.46	6.65	6.96	
			CONN KVA	CALC KVA		CONN KVA	CALC KVA					
LIGHTING			9.99	12.5	(125%)	RECEPTACLES			0.72	0.72	(50%>10)	
						HEATING			11.4	11.4	(100%)	
						TOTAL LOAD				24.6		
						BALANCED 3-PHASE LOAD				29.5 A		

L1												
ROOM			VOLTS 208Y/120V 3P 4W			AIC 65,000						
MOUNTING SURFACE			BUS AMPS 100			MAIN BKR 100						
FED FROM X1			NEUTRAL 100%			LUGS STANDARD						
NOTE												
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			
			A	B	C				A	B	C	
1	20/2	REF-1	0.828			2	20/1	ELEC RM. RECEPTACLE	0.18			
3				0.828		4	20/1	PHONEBOARD RECEPTACLE		0.18		
5	20/1	UH-1, UH-2			1.62	6	20/1	FIRE RECEPTACLE			0.18	
7	20/2	REF-2	0.828			8	20/1	IRRIGATION RECEPTACLE	0.18			
9					0.828	10	20/1	ELEC RM. LIGHTING		0.316		
11	20/2	REF-3				12	20/1	EWB-1			1.5	
13			0.828			14	20/1	SPACE	0			
15	20/1	UH-3, UH-4			1.62	16	20/1	SPACE		0		
17	20/2	REF-4				18	20/1	SPACE			0	
19			0.828			20	20/1	SPACE	0			
21	20/1	SPACE		0		22	20/1	SPACE		0		
23	20/1	SPACE			0	24	20/1	SPACE			0	
25	20/1	SPACE	0			26	20/1	SPACE	0			
27	20/1	SPACE		0		28	20/1	SPACE		0		
29	20/1	SPACE			0	30	20/1	SPACE			0	
31	20/1	SPACE	0			32	20/1	SPACE	0			
33	20/1	SPACE			0	34	20/1	SPACE		0		
35	20/1	SPACE			0	36	20/1	SPACE			0	
37	20/1	SPACE	0			38	20/1	SPACE	0			
39	20/1	SPACE			0	40	20/1	SPACE			0	
41	20/1	SPACE			0	42	20/1	SPACE			0	
TOTAL CONNECTED KVA BY PHASE									3.67	3.77	4.96	
			CONN KVA	CALC KVA		CONN KVA	CALC KVA					
LIGHTING			0.316	0.395	(125%)	RECEPTACLES			0.72	0.72	(50%>10)	
						HEATING			11.4	11.4	(100%)	
						TOTAL LOAD				12.5		
						BALANCED 3-PHASE LOAD				34.6 A		

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- △ (2023-06-29)
PERMIT SET

SHEET NUMBER: E5.01

SHEET TITLE:
PANEL SCHEDULES

PLOT DATE: 06-29-23

DRAWN BY: B.R.M.

JOB NUMBER: 23-027

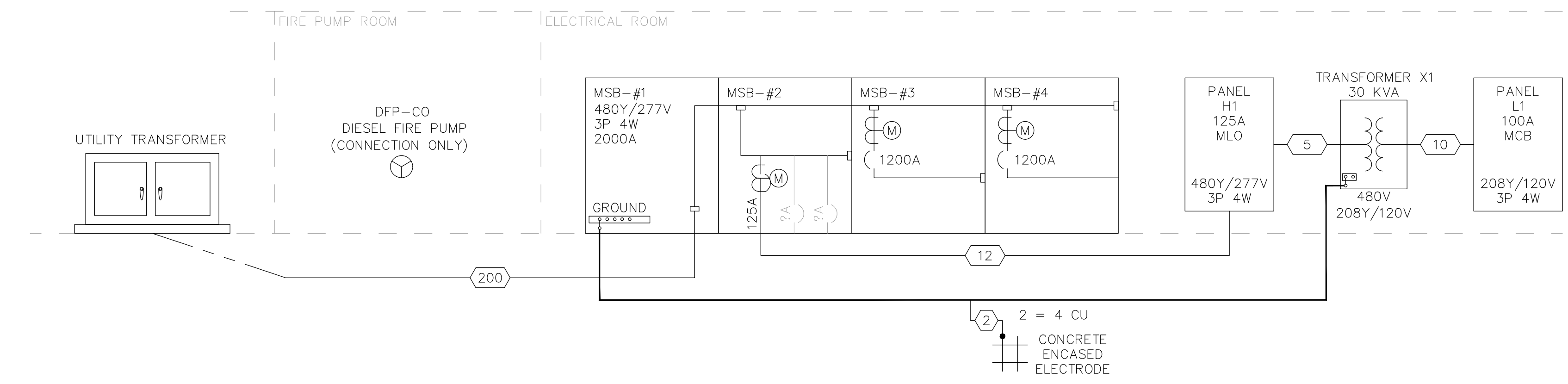
MSB-#1		ROOM MOUNTING SURFACE FED FROM UTILITY NOTE		VOLTS 480Y/277V 3P 4W BUS AMPS 2000 NEUTRAL 100%	AIC 65,000 MAIN BKR MLO LUGS FEEDTHRU	
CKT #	BREAKER TRIP/POLES	CIRCUIT DESCRIPTION	LOAD KVA			FEEDER RACEWAY AND CONDUCTORS
			A	B	C	
1	20/3	SPACE	0	0	0	
2	20/3	SPACE	0	0	0	
3	20/3	SPACE	0	0	0	
LUG LOAD: SWITCHBOARD MSB-#2			8.46	6.65	6.96	
TOTAL CONNECTED KVA BY PHASE			8.46	6.65	6.96	
CONN KVA		CALC KVA	CONN KVA		CALC KVA	
LIGHTING		9.99	12.5	(125%)	RECEPTACLES	0.72
					HEATING	11.4
					TOTAL LOAD	24.6
					BALANCED 3-PHASE LOAD	29.5 A

MSB-#2		ROOM MOUNTING SURFACE FED FROM MSB-#1 NOTE		VOLTS 480Y/277V 3P 4W BUS AMPS 2000 NEUTRAL 133%	AIC 65,000 MAIN BKR MLO LUGS FEEDTHRU	
CKT #	BREAKER TRIP/POLES	CIRCUIT DESCRIPTION	LOAD KVA			FEEDER RACEWAY AND CONDUCTORS
			A	B	C	
1	125/3	PANEL H1	8.46	6.65	6.96	1-1/2"C,3#2/0 AL,#2/0 AL N,#6G
2	20/3	SPACE	0	0	0	
3	20/3	SPACE	0	0	0	
LUG LOAD: SWITCHBOARD MSB-#3			0	0	0	
TOTAL CONNECTED KVA BY PHASE			8.46	6.65	6.96	
CONN KVA		CALC KVA	CONN KVA		CALC KVA	
LIGHTING		9.99	12.5	(125%)	RECEPTACLES	0.72
					HEATING	11.4
					TOTAL LOAD	24.6
					BALANCED 3-PHASE LOAD	29.5 A

MSB-#3		ROOM MOUNTING SURFACE FED FROM MSB-#2 NOTE		VOLTS 480Y/277V 3P 4W BUS AMPS 2000 NEUTRAL 100%	AIC 65,000 MAIN BKR 1200 LUGS FEEDTHRU	
CKT #	BREAKER TRIP/POLES	CIRCUIT DESCRIPTION	LOAD KVA			FEEDER RACEWAY AND CONDUCTORS
			A	B	C	
1	20/3	SPACE	0	0	0	
2	20/3	SPACE	0	0	0	
3	20/3	SPACE	0	0	0	
LUG LOAD: SWITCHBOARD MSB-#4			0	0	0	
TOTAL CONNECTED KVA BY PHASE			0	0	0	
CONN KVA		CALC KVA	CONN KVA		CALC KVA	
			TOTAL LOAD		0	
			BALANCED 3-PHASE LOAD		0 A	

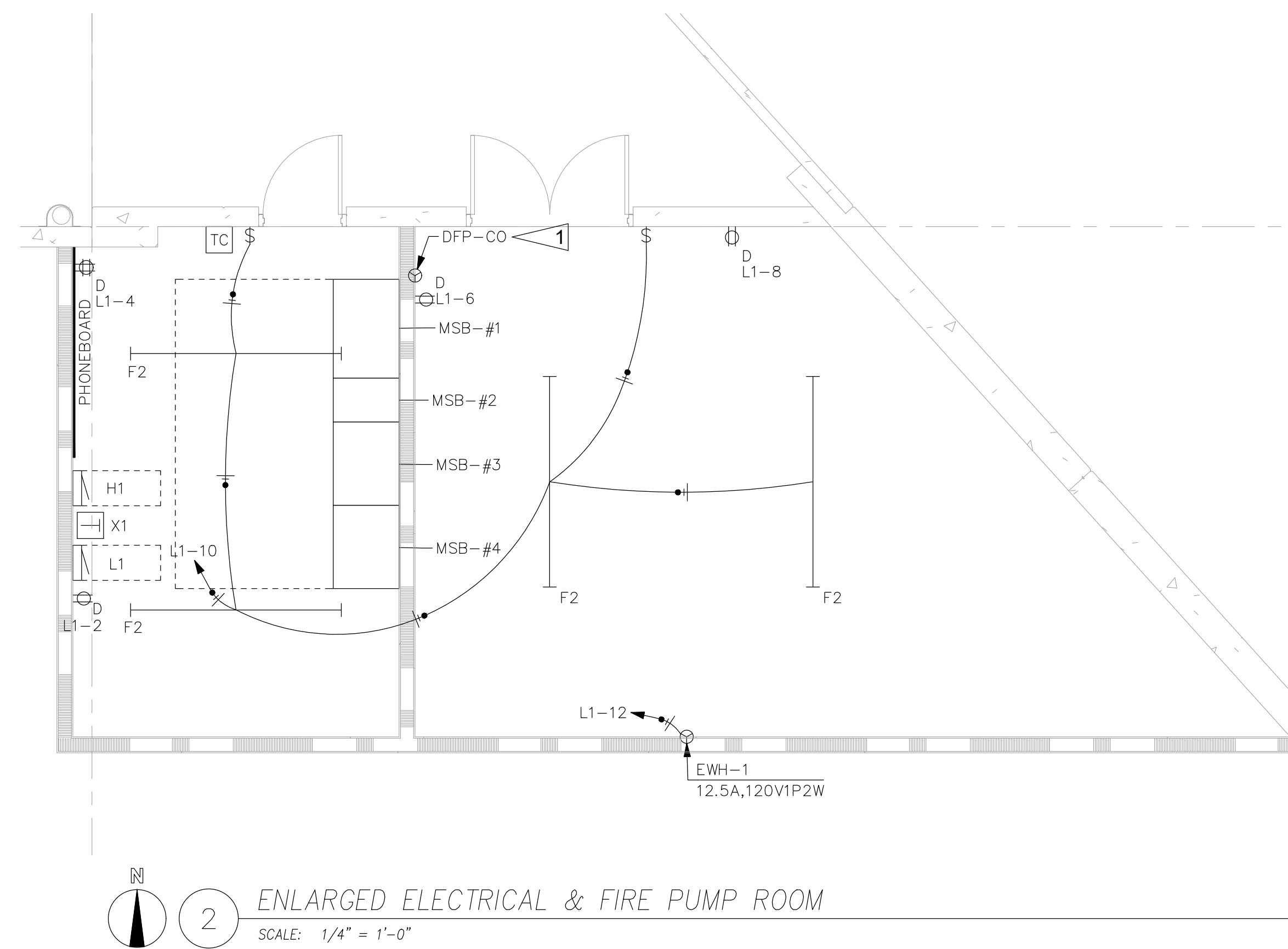
MSB-#4		ROOM MOUNTING SURFACE FED FROM MSB-#3 NOTE		VOLTS 480Y/277V 3P 4W BUS AMPS 2000 NEUTRAL 100%	AIC 65,000 MAIN BKR 1200 LUGS STANDARD	
CKT #	BREAKER TRIP/POLES	CIRCUIT DESCRIPTION	LOAD KVA			FEEDER RACEWAY AND CONDUCTORS
			A	B	C	
1	20/3	SPACE	0	0	0	
2	20/3	SPACE	0	0	0	
3	20/3	SPACE	0	0	0	
TOTAL CONNECTED KVA BY PHASE			0	0	0	
CONN KVA		CALC KVA	CONN KVA		CALC KVA	
			TOTAL LOAD		0	
			BALANCED 3-PHASE LOAD		0 A	

ID	FEEDER AMPS	CONDUIT AND FEEDER
5	50	1"C,3#4 AL,#10G
10	100	1-1/2"C,3#1/0 AL,#1/0 AL N,#6G
12	125	1-1/2"C,3#2/0 AL,#2/0 AL N,#6G
200	2000	(6)4"C,3#600kcmil AL,#600kcmil AL N



1 ONE-LINE RISER DIAGRAM

FLAG NOTES:
 1 DIESEL FIRE PUMP, POWER CONNECTION ONLY.
 FIRE PUMP TO BE PROVIDED BY TENANT.



2 ENLARGED ELECTRICAL & FIRE PUMP ROOM
 SCALE: 1/4" = 1'-0"



FORTRESS PUYALLUP

240 114TH ST SE
 PUYALLUP, WA 98372

REVISIONS:
(2023-06-16) INITIAL REVIEW SET
(2023-06-29) PERMIT SET

SHEET NUMBER: E6.01

SHEET TITLE: ONE-LINE RISER DIAGRAM

PLOT DATE: 06-29-23
 DRAWN BY: B.R.M.
 JOB NUMBER: 23-027