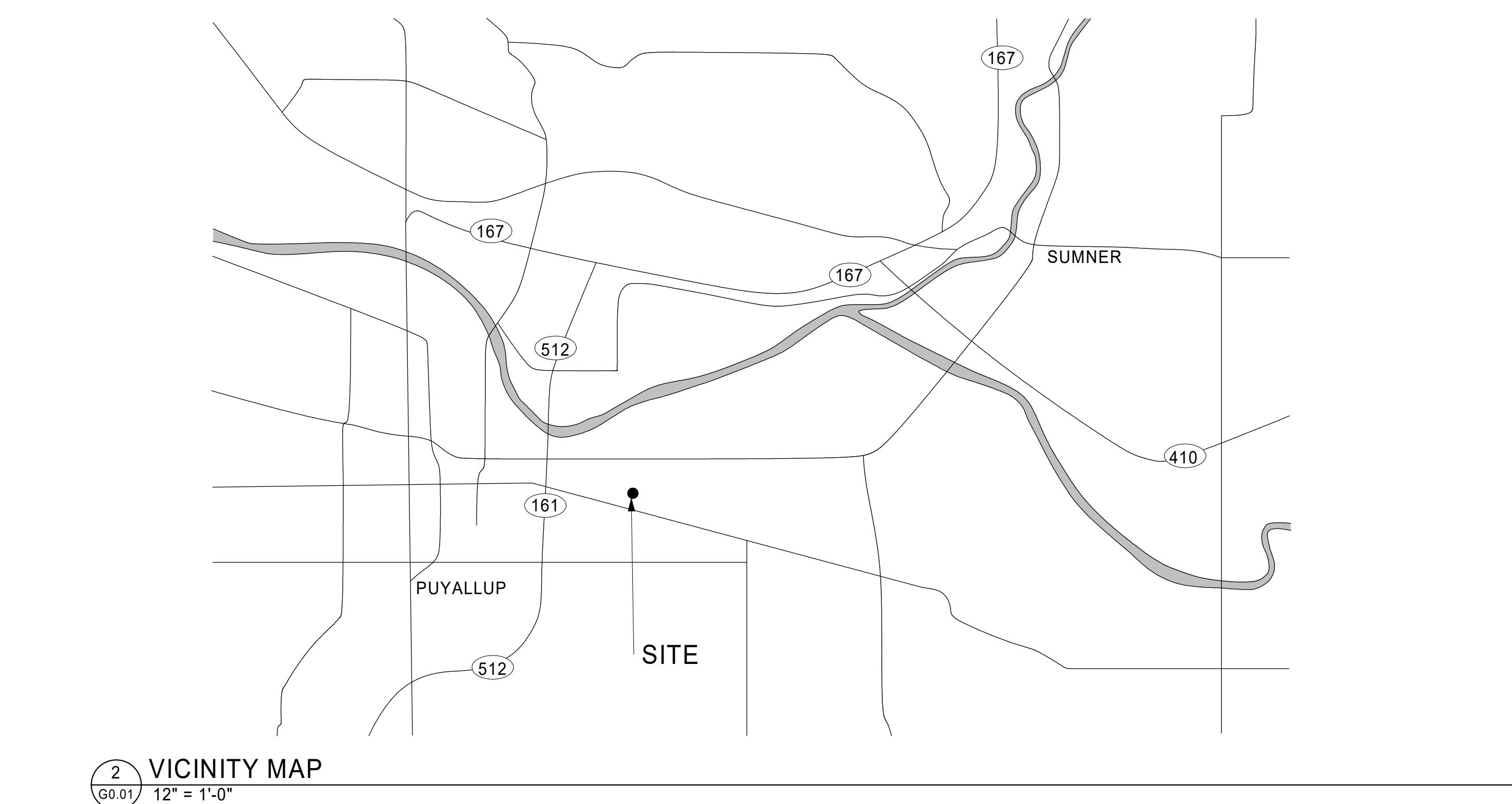
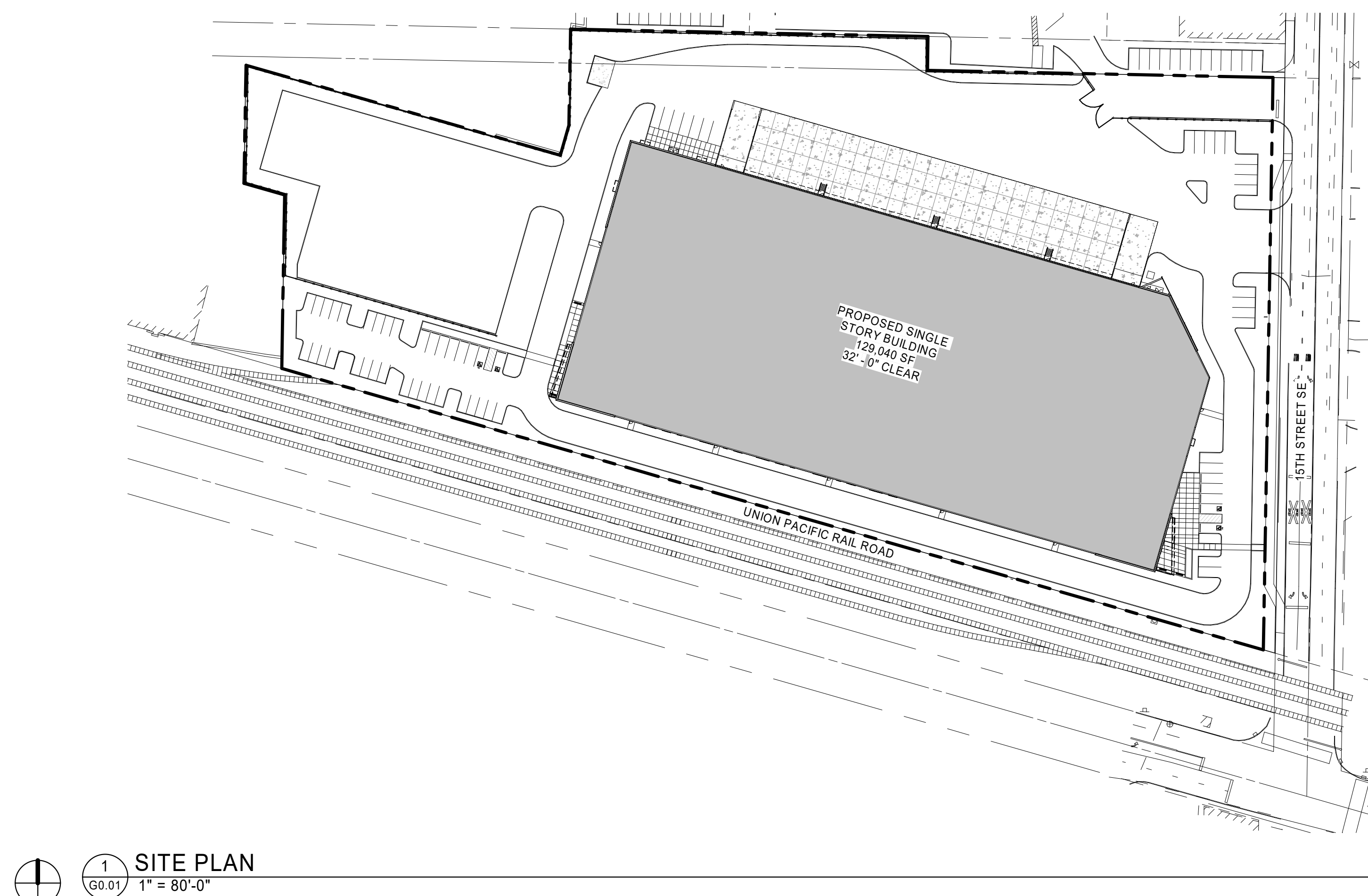


PERMIT SET – JUNE 28, 2023



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240 15TH ST SE PUYALLUP, WA, 98372
PIERCE COUNTY TAX ID: 7845000161, 7845000170, 0420274121
FOR ADDITIONAL SITE AND BUILDING INFORMATION, SEE SHEET A1.10 - SITE PLAN

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

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

- GRADING AND TESC PERMIT APPLICATION:
#PRGR20230809

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

| | |
|---|--|
| <ul style="list-style-type: none"> • DESIGN BUILD FIRE SPRINKLER • DESIGN BUILD FIRE ALARM • ELECTRICAL • PUBLIC WORKS • UNDERGROUND FIRE LINES • SIGNAGE | <p>23-0623 Plans-combined G0.01 Underground fire lines must be included in site civil permits.</p> |
|---|--|

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.

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

STRUCTURAL DRAWINGS

| | |
|-------|--------------------------|
| S0.00 | STRUCTURAL GENERAL NOTES |
| S0.10 | TYPICAL DETAILS |
| S1.11 | FOUNDATION PLAN |
| S1.13 | ROOF FRAMING PLAN |

| | |
|--------|--------------------------|
| \$2.10 | EXTERIOR WALL ELEVATIONS |
| \$5.80 | TILT FOUNDATION DETAILS |
| \$5.81 | TILT DETAILS |
| \$5.82 | TILT DETAILS |

ARCHITECTURE DRAWINGS

| | |
|-------|---|
| A0.01 | ARCHITECTURAL GENERAL NOTES AND SYMBOLS |
| A1.10 | SITE PLAN |
| A1.11 | FIRST FLOOR PLAN |
| A1.12 | ROOF PLAN |
| A2.11 | BUILDING ELEVATIONS |
| A2.12 | BUILDING INSULATION ELEVATIONS |
| A3.10 | BUILDING SECTIONS |
| A3.20 | WALL SECTIONS |
| A4.10 | WALL SECTIONS |
| A4.10 | ENLARGED PLANS |
| A5.10 | METAL ACCENT, ENLARGED PLANS & DETAILS |
| A5.12 | EXTERIOR DETAILS |
| A5.13 | EXTERIOR DETAILS |
| A5.14 | EXTERIOR DETAILS |
| A5.15 | STOREFRONT AND ENTRY DETAILS |
| A5.16 | ROOF DETAILS |
| A5.17 | ROOF DETAILS & INTERIOR DETAILS |
| A6.10 | DOOR AND WINDOW SCHEDULE |

MECHANICAL DRAWINGS

| | |
|-----|------------------------------|
| M-1 | WAREHOUSE HVAC PLAN |
| M-C | NOTES, LEGEND, AND SCHEDULES |

PLUMBING DRAWINGS

P-1.0 WATER AND SEWER PLAN

23-0623 Plans-combined G0.01
Design Build deferred submittal proposed by McKenzie
Architects. Provide electrical plans that detail code
compliance. include exit capacity from electrical room, exit
illumination, exit signage, energy code compliance and EV as
proposed per code.

M.

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Planning • Engineering**

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MACKENZIE
DESIGN DRIVEN • CLIENT FOCUSED

Client

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Project

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

Mechanical/Electrical

7031
REGISTERED
ARCHITECT
BRETT TIMOTHY CONWAY
STATE OF WASHINGTON

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OR REPRODUCED IN ANY MANNER,
WITHOUT PRIOR WRITTEN PERMISSION

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SHEET TITLE:
**TITLE SHEET
AND DRAWING
INDEX**

SHEET

G0.01

JOB NO. 2220290 00

PERMIT SET 6/28/2023
Autodesk Docs://Fortress-Puallup/20-Fortress-Puallup-V23-A.rvt 6/28/2023 2:46:48 PM As indicated

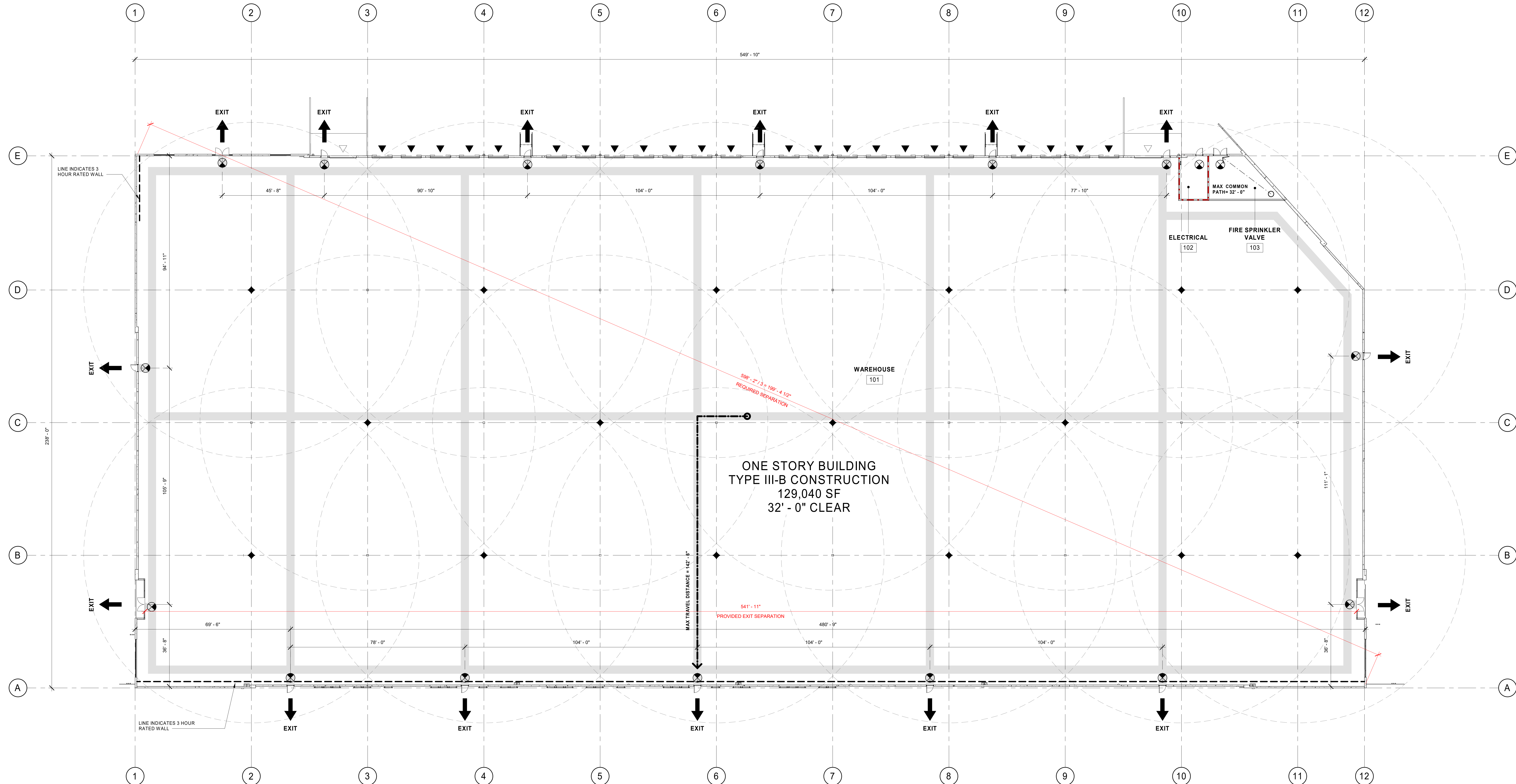
| | | | | | | | |
|-------------|---------------------------------|-----------|--|---------------|--|----------------|-----------------------------------|
| AB | AT | EOP | EDGE OF PANEL | L | ANGLE | R | RADIUS |
| AC | ANCHOR BOLT | EP | EPOXY PATCH / EDGE OF PAVEMENT | LAM | LAMINATE | RD | RADIUS |
| ACB | ASPHALTIC CONCRETE | EPDM | ETHYLENE PROPYLENE DIENE MONOMER | EV | LAVATORY | RB | RUBBER BASE |
| ACI | AMERICAN CONCRETE INSTITUTE | EQ | EQUAL | LB | LAC BOLT | RBE | ROOF BASE ELEVATION |
| ADA | AMERICANS WITH DISABILITIES ACT | ES | EACH SIDE | LL | LIVE LOAD | RBP | REFLECTED CEILING PLAN |
| ADDL | ADDITIONAL | ES | EACH SIDE | LLV | LONG LEG VERTICAL | RD | RECEPTION |
| ADJ | ADJACENT/ADJUSTABLE | ETC | EQUIP TRAFFIC COATING / ETCETERA | LONG / LONGIT | LONGITUDINAL | RD | RECEPTIONIST |
| AESS | ARCHITECTURALLY EXPOSED | EW | EACH WAY | LP | LOWPOINT | REF | REFERENCE / REFRIGERATOR |
| AST | ASTRUCAL STEEL | EXP | EXPOSED STRUCTURE | LSB | LAMINATED STRAND LUMBER | REFNG | REFERENCING |
| AFS | ABOVE FINISH FLOOR | EXT J / E | EXPANSION JOINT | LVL | LAMINATED VENEER LUMBER | REQ / REQD | REQUIRED |
| AL | ALUMINUM | EXT | EXTERIOR | LWC | LIGHTWEIGHT CONCRETE | REV | REVISION |
| ALC | ALCANTARA | F | FACE OF | M | MIRROR | ROOM | ROUGH OPENING |
| ALT | ALTERNATE | FSTUD | FACE OF STUD | M/P | MECHANICAL / ELECTRICAL / PLUMBING OR PROCESS | ROW | RIGHT OF WAY |
| APPROX | APPROXIMATE | FB | FLAT BAR | MANF | MANUFACTURER | S | STAIN |
| ARCH | ARCHITECTURAL | FC | FACE OF CURB | MAS | MASONRY | SAT | SUSPENDED ACOUSTICAL TILE |
| ATR | ALL-THREAD ROD | FD | FLOOR DRAIN | MATL | MATERIAL | SC | SEALED CONCRETE / SOLID CORE WOOD |
| B | BOTTOM | FDC | FIRE DEPARTMENT CONNECTION | MAX | MAXIMUM | SCHD | SCHEDULE |
| B/ | BATT | FE | FIRE EXTINGUISHER | MACHBOLT | MACHINE BOLT | SCHM | STRUCTURAL CLAY MASONRY |
| B/ | BOARD | FFE | FACED FINISH / FINISHED FACE | MDFMDO | MEDIUM DENSITY FIBERBOARD / OVERLAY | SE | STORE FRONT / SQUARE FEET |
| BLD / BLDG | BUILDING | FN | FLOOR FINISH(EED) | MECH | MECHANICAL | SPRS | SPRINKLER |
| BLK | BLOCK | FLR | FLOOR | MFH | MANUFACTURED | SHO / SHGT | SHOULDER / SHEATHING |
| BLKG | BLOCKING | FNI | FINISH(NED) | MFG | MANUFACTURING | SL | SIMILAR |
| BM | BENCHMARK / BEAM | FLR | FLOOR | MFR | MANUFACTURER | SLM | SILICA |
| BLU | BOUNDARY NAIL | FND | FOUNDATION | MGR | MANAGER | SLRB | SEMI RIGID RESISTIVE SYSTEM |
| BOT / BOTTL | BOTTOM | FNC | FACE OF CONCRETE | MHC | MAN HOLE | SHV | SHORT LEG VERTICAL |
| BNG | BEARING | FOF | FACE OF FINISH | MH | MISCELLANEOUS | SM | SHEET METAL SCREW |
| BMT | BASEMENT | FOC | FURNISH BY OWNER INSTALL BY CONTRACTOR | MIN | MINIMUM | SOS | SLAB ON GRADE |
| BTWN | BETWEEN | FOM | FACE OF MASONRY | MLP | METAL LINEAR PANEL | SPACEDS | SPACEDS |
| BUR | BUILT UP ROOFING | FOS | FACE OF STUD | MOD BIT | MODIFIED BITUMINOUS | SPEC(S) | SPECIFICATION(S) |
| CAB | CABINET | FOW | FACE OF WALL | MP | METAL | SQ | SQUARE |
| CB | CATCH BASIN | FS | FACE SIDE | MTL | METAL | SS | STAINLESS STEEL / SOLID SURFACE |
| CC | CONTROLLED DENSITY FIL | FTG | FOOTING | NP | NON | ST | STONE |
| CIP | CAST IRON | GA | GAUGE | N | NEW | STMT | STANDARD |
| CJ | CONTROL JOINT | GENV | GALVANIZED | NF | NATIONAL FIRE PROTECTION AGENCY | STF | STIFFENER |
| CL | CENTERLINE | GLB | GLULAM BEAM </td <td>NIC</td> <td>NOT IN CONTRACT</td> <td>STL</td> <td>STEEL</td> | NIC | NOT IN CONTRACT | STL | STEEL |
| CLNG | CEILING | GLZ | GLAZING | NO / # | NUMBER | STRUT | STRUCTURAL |
| CLU | CLEAR | GR | GRID ONLY | NOM | NOMINAL | SUSP | SUSPENDED |
| CMP | CORRUGATED METAL PIPE | GRD | GRID ONLY | NRE | NON RATED | SVNTL | SHEET VINYL |
| CML | CONCRETE MASONRY UNIT | GSA | U.S. GENERAL SERVICES ADMINISTRATION | NR | NOT TO EXCEED | T | TEMPERED |
| CNTR | CENTER | GYP BD | GYPSUM BOARD | NRS | NOT TO SCALE | TAB | TOP AND BOTTOM |
| CNTR | CENTER | HC | HOLE BISE | O/A | OVERALL | T/ | TOP OF |
| CONN | CONNECTION | HOB | HOLLOW CORE / HANDICAP | OC | ON CENTER | TC | TEMPERATURE / TEMPORARY |
| CONN | CONNECTION | HCM | HOLLOW CLAY MASONRY | OCI | OWNER FURNISHED, CONTRACTOR INSTALLED | THK | THICK / THICKNESS |
| CONST | CONSTRUCTION | HDE | HIGH DENSITY POLYETHYLENE | OF | OWNER FURNISHED, OWNER INSTALLED | TL | TOTAL LOAD |
| CONT | CONTINUOUS | HDR | HEADER | OFOI | OWNER FURNISHED, OWNER INSTALLED | TOE NAL | TOE NAIL |
| CONTR | CONTRACTOR | HDR | HEADER | OH | OPPOSITE HAND | TOF | TOP OF |
| COORD | COORDINATE | HNGR | HANGER | OH | OVERHEAD DOOR | TOF | TOP OF FOOTING |
| CORR | CORRUGATED(ED) (ION) | OPNG | OPENING | OPF | OPPOSITE FACE | TOF | TOP OF STEEL |
| CPT | CARPET | HM | HOLLOW METAL | OSP | OPPOSITE | TOW | TOP OF WALL |
| CR | CHEMICAL RESISTANT COATING | HWK | HOLLOW METAL KNOCKDOWN | OSF | OUTSIDE FACE | TP | THERMOPLASTIC POLYOLEFIN |
| CSK | COUNTERSINK | HMW | HOLLOW METAL WELDED | OSSC | OREGON STRUCTURAL SPECIALTY CODE | TRANS / TRANSV | TRANSVERSE |
| CSP | CONCRETE SEWER PIPE | HORIZ | HORIZONTAL | OS | OPEN TO STRUCTURE | TS | TUBE TEST |
| CST | CENTER | HRS(D) | HOURS | P | PAINT | TV | TYPICAL |
| CTR / CNTR | CENTER | HS | HESDED STUD | P | PAINT | UC | UNDER SIE |
| CW | CONCRETE WALL | HSS | HIGH STRENGTH BOLT | P-LAM | PLASTIC LAMINATE | US | UNDER COUNTER |
| D | DENNY(NAL)S | DBL | DOUBLE | P | PARALLEL BOARD | UNO / UNON | UNDER WRITERS LABORATORIES |
| DBA | DEFORMED BAR ANCHOR | HTG | HEATING | P.E | PROFESSIONAL ENGINEER | USG | UNITED STATES GYPSUM |
| DBL | DOUBLE | HVC | HEATING, VENTILATION AND AIR CONDITIONING | PJ | POWDER DRIVEN ANCHORS/POWDER ACTUATED FASTENER | VCT | VINYL COMPOSITION TILE |
| DET / DTL | DETAIL | HWS | HEADED WELD STUD | PB | PANEL JOINT | VERT | VERTICAL |
| DETDL | DETAIL | IBC | INTERNATIONAL BUILDING CODE | PL | PLATE | VF | VERIFY |
| DR | DRINKING FOUNTAIN / DOUGLAS FIR | ID | INSIDE DIAMETER | PLB | PARALLAM BEAM | VFY | VERIFY IN FIELD |
| DIA / ø | DIAMETER | IF | INSIDE FACE | PLY / PLYWD | PLYWOOD | VP | VISION PANEL |
| DAPH | DAPHNOMETER | INT | INTERNATIONAL MECHANICAL CODE | PANL | | | |

The diagram illustrates various symbols used in civil engineering drawings, organized into two columns with labels on the left and descriptions on the right.

- NORTH ARROW:** A circle containing a crosshair with an arrow pointing upwards, labeled "TRUE NORTH".
- GRIDLINE:** A circle containing the number "0", followed by a horizontal line with a break symbol (two parallel lines of unequal length).
- DETAIL REFERENCE MARK:** A circle containing the number "4101". An arrow points to the circle with the label "DETAIL #". Another arrow points to the number "4101" with the label "OPT. NOTE".
- KEYNOTE:** A circle containing the number "61-00". An arrow points to the circle with the label "SHEET #". Another arrow points to the number "61-00" with the label "SUB-CATEGORY CATEGORY".
- REVISION MARK:** A triangle containing the number "1". An arrow points to the triangle with the label "DIVISION #".
- REVISION CLOUD:** A cloud-like shape. An arrow points to it with the label "NOTE #".

[illegible]

Mechanical/Electrical



1 CODE ANALYSIS PLAN
G1.10 1/16" = 1'-0"

ENERGY CODE REQUIREMENTS - COMPONENT PERFORMANCE PATH, SEMI HEATED

BASED ON WASHINGTON STATE ENERGY CODE, COMMERCIAL, 2018 - CHAPTER 51-11C WAC
CLIMATE ZONE: MARINE 4C (TABLE C301.1)
SEMI-HEATED BUILDING: PROVIDE FREEZE 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/SF 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. TILT-UP CONCRETE WALLS W/ SEALED JOINTS
F. ALL PENETRATIONS OF THE CONTINUOUS AIR BARRIER MUST BE SEALED PER C402.5.1.1
DOCK SEALS TO BE INSTALLED AT LOADING DOORS PRIOR TO OCCUPANCY W/ TENANT
IMPROVEMENTS PER C402.5.1.
G. VESTIBULES, WHERE REQUIRED, TO BE INSTALLED W/ TENANT IMPROVEMENT.
H. IDENTIFICATION MARK SHALL BE APPLIED TO ALL INSULATION MATERIALS AND
INSULATION SUCH THAT THE MARK IS READILY OBSERVED DURING INSPECTION PER
C303.1.1.
I. FENESTRATION SHALL BE LABELED WITH NFRC U-FACTOR, SOLAR HEAT GAIN
COEFFICIENT, VISIBLE TRANSMITTANCE AND LEAKAGE RATING PER C303.1.3.
J. 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; (5) INCLUDE AIR BARRIER TEST REPORT IN PROJECT CLOSE OUT
DOCUMENTATION PROVIDED TO BUILDING OWNER.
K. TO COMPLY WITH ADDITIONAL EFFICIENCY PACKAGE C406 PROVIDE:
L. MORE EFFICIENT HVAC EQUIPMENT AND FAN PERFORMANCE PER C406.2.
M. REDUCED LIGHTING POWER: OPTION 2 IN ACCORDANCE WITH SECTION C406.3.2.
N. PROJECT CLOSE OUT DOCUMENTATION IS REQUIRED INCLUDING APPLICABLE
CALCULATIONS, USEC ENVELOPE COMPLIANCE FORMS, AND FENESTRATION NFRC
RATING CERTIFICATES PER C103.6.

BUILDING CODE DATA

BASED ON THE 2018 WASHINGTON STATE BUILDING CODE

GENERAL CODE ANALYSIS:

CONSTRUCTION TYPE: II-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 80' 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 40 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

WSFC SECTION 502 - FIRE APPARATUS ACCESS ROADS

SEE SHEET C15 FOR AERIAL FIRE APPARATUS ACCESS ROAD. 26 FOOT LANE
PROVIDED.

WSFC SECTION 502.1 - IDENTIFICATION

ALL FIRE PROTECTION & UTILITY EQUIPMENT SHALL BE IDENTIFIED WITH APPROVED
SIGNAGE CONSTRUCTED OF DURABLE MATERIALS AND BE READILY VISIBLE.

WSBC TABLE 601 - FIRE RESISTIVE REQUIREMENTS

EXTERIOR BEARING WALL 2-HR
INTERIOR BEARING WALL NR
EXTERIOR NON-BEARING WALL NR
INTERIOR NON-BEARING WALL NR
STRUCTURAL FRAME NR
FLOOR NR
ROOF 2-HR
FIRE PUMP ROOM (913.2.1) NR

WSFC SECTION 503 - AUTOMATIC SPRINKLER SYSTEMS

FULLY SPRINKLERED ESFR FIRE SYSTEM

WSFC SECTION 505 - PORTABLE FIRE EXTINGUISHERS

PORTABLE FIRE EXTINGUISHERS (2A:10BC MINIMUM) SHALL BE PROVIDED
THROUGHOUT BASED ON 2018 WASHINGTON STATE FIRE CODE.

WSFC CHAPTER 32 - HIGH-PILED COMBUSTIBLE STORAGE

BUILDING IS DESIGNED TO ACCOMMODATE HIGH-PILED STORAGE TYPE H-V
UNENCAPSULATED COMMODITIES UP TO 32' PER WSFC TABLE 3206.2
AN AUTOMATIC SPRINKLER SYSTEM IS PROVIDED IN ACCORDANCE WITH
WSFC SECTION 3206.4
FIRE DETECTION SYSTEM IS NOT REQUIRED PER TABLE 3206.2
BUILDING ACCESS IS PROVIDED PER WSFC SECTION 3206.8
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 (M/S)^{1/2} 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 WSBC 1008. PROVIDE:
 - 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.

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. = 258.2"

EXIT WIDTH PROVIDED: 15 X 36" = 540"

SECTION 1022 - EXITS

COMPONENTS AND OPENINGS ARE SHOWN ON THIS SHEET AND INDIVIDUAL FLOOR PLANS.

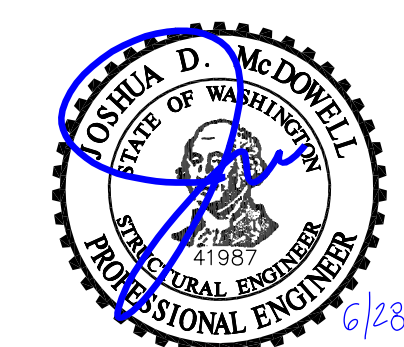
SECTION 1026 - EXIT DISCHARGE

ALL EXITS DISCHARGE AT THE GROUND LEVEL. SEE SITE PLAN

LEGEND

- EGRESS DOOR LOCATION
- PROVIDE EMERGENCY ILLUMINATED
EXIT SIGNS PER 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

| REVISION SCHEDULE | | |
|-------------------|-----------|------------|
| Delta | Issued As | Issue Date |
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| REVISION SCHEDULE | | |
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SHEET TITLE:

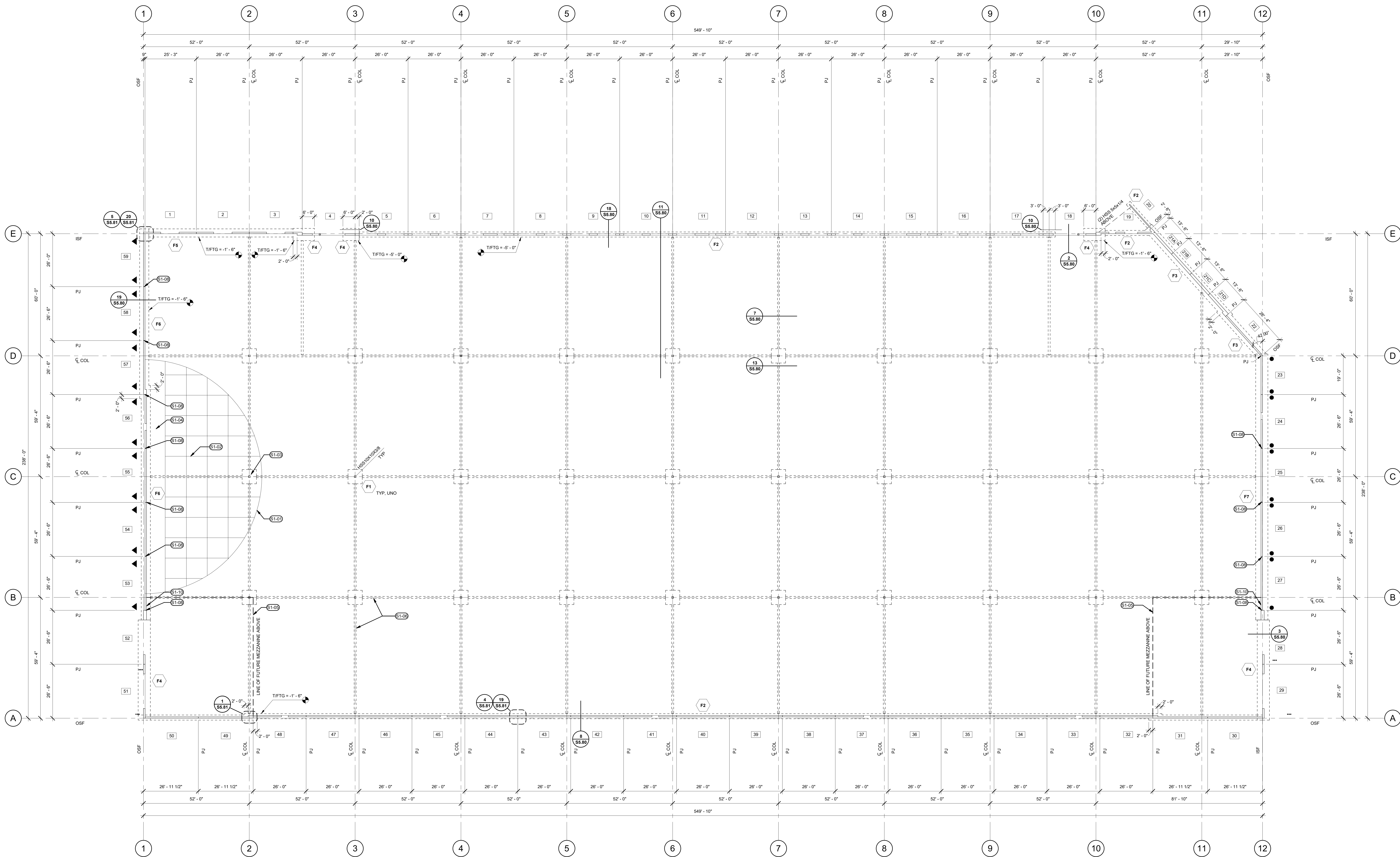
FOUNDATION
PLAN

SHEET

JOB NO. 2220290.00

90% CONSTRUCTION DOCUMENT 6/14/23

Aesthet D:\CS\1\0\Drawings\Puyallup\220-Formae-Puyallup-123-A.rvt 6/27/2023 5:28:38 PM As indicated

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

SHEET NOTES

- A. FOR GENERAL STRUCTURAL NOTES SEE SHEET S0.00.
B. FOR TYPICAL STRUCTURAL DETAILS SEE SHEET S0.10.
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 CONTRACTION / CONSTRUCTION JOINT REQUIREMENTS FOR SLAB ON GRADE.
F. SEE TYPICAL DETAILS FOR REINFORCEMENT AT SLAB PENETRATION AND BLOCKOUTS.
G. SEE TYPICAL DETAILS FOR TYPICAL REINFORCEMENT AT WALL AND FOOTING CORNERS AND INTERSECTIONS.
H. SEE TYPICAL DETAILS FOR REINFORCEMENT LAP SPICE LENGTH.
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'-0" (INTERIOR) UNO ON PLAN.
L. SEE GENERAL STRUCTURAL NOTES FOR CONTRACTORS 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

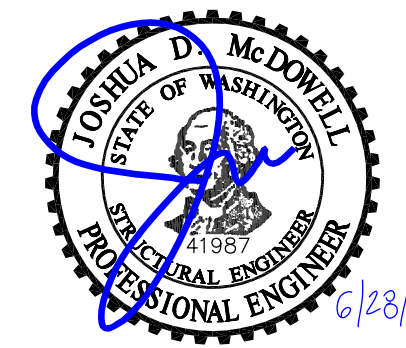
- T/FTG = X'-X" TOP OF FOOTING ELEV. RELATIVE TO 0'-0"
- FA FOOTING PER SCHEDULE
- HOLD DOWN PER 19/S5.80 W/ (4) #6 BARS
- ▼ HOLD DOWN PER 19/S5.80 W/ (2) #6 BARS
- 99 PANEL NUMBER

KEYNOTES

- S1-01 7" CONCRETE SLAB-ON-GRADE W/ #3 @ 15" OC EW. FOR SUB-BASE. SEE GEOTECHNICAL REPORT.
- S1-02 CONTRACTION/CONSTRUCTION JOINTS PER TYPICAL DETAILS, S0.10 AND GENERAL NOTES, S0.00.
- S1-03 COLUMN BLOCKOUT PER 19/S5.80.
- S1-04 FOUR 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 (20'-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 CEILING - ELEVATED DECK CONNECTS TO TIL-T-UP PANELS (WHERE APPLICABLE).
- S1-06 GRADE BEAMS W/ REINF PER 19/S5.80 CONNECT TO FTGS PER 9/S5.80. PROVIDE CONSTANT SLOPE TO LOW DOCK FTGS PER 11/S5.80.
- S1-08 ADDL VERT REINF IN FTG PER 19/S5.80 AT PANEL JOINT. EXTEND VERT REINF FOR 4'-0" FROM PANEL JOINT EA SIDE. TOP REINF TO MATCH BOTT REINF. EXTEND FOR 5'-0" FROM PANEL JOINT EA SIDE.
- S1-10 FUTURE DRAG MEMBER REQ'D TO TRANSFER FUTURE MEZZANINE SEISMIC LOAD INTO ADJACENT SOLID PANEL.

| STRUCT - FOOTING (F) SCHEDULE | | | | | |
|--|------------|--------|---------------|--------------|-------------|
| NOTE: LENGTH PER PLAN IF BLANK IN SCHEDULE | | | | | |
| MARK | DIMENSIONS | | REINFORCEMENT | | |
| | WIDTH | LENGTH | DEPTH | LONGITUDINAL | TRANSVERSE |
| F1 | 7'-0" | 7'-0" | 1'-6" | #6 @ 9" OC | #6 @ 9" OC |
| F2 | 2'-6" | 1'-0" | 1'-0" | #6 @ 12" OC | #6 @ 12" OC |
| F3 | 4'-6" | 1'-0" | 1'-0" | #6 @ 12" OC | #6 @ 12" OC |
| F4 | 6'-0" | 1'-0" | 1'-0" | #6 @ 9" OC | #6 @ 9" OC |
| F5 | 4'-0" | 1'-0" | 1'-0" | #6 @ 12" OC | #6 @ 12" OC |
| F6 | 4'-6" | 2'-0" | 2'-0" | #6 @ 9" OC | #6 @ 9" OC |
| F7 | 6'-0" | 3'-0" | 3'-0" | #6 @ 9" OC | #6 @ 9" OC |

SEE KEYNOTE FOR VERT REINF
AND TOP REINF AT PANEL JOINTS
SEE KEYNOTE FOR VERT REINF
AND TOP REINF AT PANEL JOINTS



| REVISION SCHEDULE | | |
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SHEET TITLE:
**ROOF
FRAMING
PLAN**

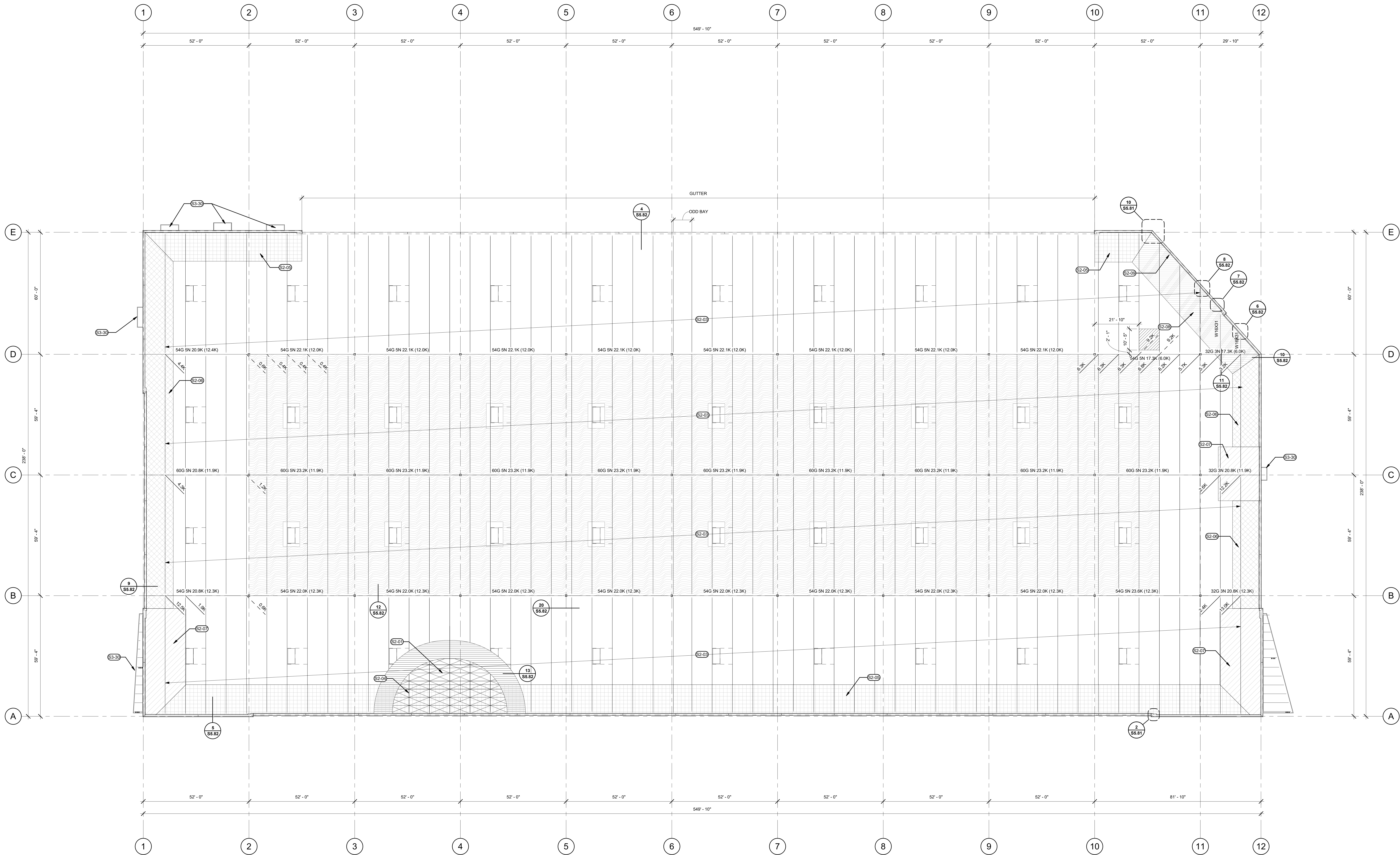
SHEET

S1.13

JOB NO. 2220290.00

90% CONSTRUCTION DOCUMENT 6/14/23

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1 ROOF FRAMING PLAN
S1.13 1/16" = 1'-0"

SHEET NOTES

- A. FOR GENERAL STRUCTURAL NOTES SEE SHEET S0.00.
B. FOR TYPICAL STRUCTURAL DETAILS SEE SHEET S0.10.
C. SEE ARCHITECTURAL DRAWINGS FOR CONTROL ELEVATIONS.
D. COORDINATE PERIMETER CONDITIONS WITH ARCHITECTURAL.
E. SEE DETAILS FOR ADDITIONAL AXIAL LOADS REQ'D FOR GIRDERS, JOISTS, AND JOIST SEATS.
F. CONTRACTOR TO COORDINATE AND CONFIRM MECH UNIT SIZE, LOCATION, & WEIGHTS. COORDINATE AND SUPPLY ALL REQUIRED LOADING 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 5"Ø OF ROOF EDGE: 3.5 PSF
J. CONTRACTOR TO COORDINATE PHOTO VOLTAIC 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 1055.81.
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.

LEGEND

- MAX. GIRDER DEPTH
NO. OF JOIST SPACES
PANEL SNOW LOAD (ASD)
PANEL POINT LOAD (ASD)
ADDITIONAL SNOW POINT LOAD ON JOISTS (ASD)
ADDITIONAL DEAD POINT LOAD ON JOISTS (ASD)
SOLAR READY ZONE, 4 PSF DEAD AREA LOAD IN ADDITION TO BASE DEAD LOAD. SUBPURLINS AND PLYWOOD FRAMING NOT DESIGNED FOR ADD. LOAD. ADD. FRAMING MAY BE REQ'D FOR FUTURE INVERTER(S).
SOLAR INVERTER ZONE, 175 PSF DEAD AREA LOAD IN ADDITION TO BASE DEAD LOAD. SUBPURLINS AND PLYWOOD FRAMING NOT DESIGNED FOR ADD. LOAD. ADD. FRAMING MAY BE REQ'D FOR FUTURE INVERTER(S).

- SNOW DRIFT LOAD IN ADDITION TO BASE SNOW. SEE KEYNOTE S2-05
SNOW DRIFT LOAD IN ADDITION TO BASE SNOW. SEE KEYNOTE S2-06
SNOW DRIFT LOAD IN ADDITION TO BASE SNOW. SEE KEYNOTE S2-07
SNOW DRIFT LOAD IN ADDITION TO BASE SNOW. SEE KEYNOTE S2-08

KEYNOTES

- S2-01 15/32" APA STRUCT-1 OSB SHTG (32/16 SPAN RATING SIZED FOR SPACING) W/ STRONG AXIS PARALLEL TO SUBPURLINS
S2-03 36" MAX DEPTH LH JOISTS 350/200 (ASD) @ 10'-0" OC DESIGN FOR THE FOLLOWING ADD. LOADS (ASD):
FLOATING PANEL POINT LOAD (DEAD) 500 LB
DRIFTED SNOW PER PLAN
NET WIND UPLIFT 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 UNQ. SUBPURLIN SIZE AND SPACING PER THE FOLLOWING KEYNOTES OR 1055.81 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.
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 DRIFT PER LEGEND. PROVIDE 2X6 DF-L #2 SUBPURLINS @ 1'-0" OC W/ STRAPPING/HOLD DOWNS ALIGNED WITH SUBPURLINS. SEE DETAIL 1755.02.
S3-30 EXTERIOR ACCENT/CANOPY FRAMING. SEE ARCH.

TYPICAL SHEET NOTES

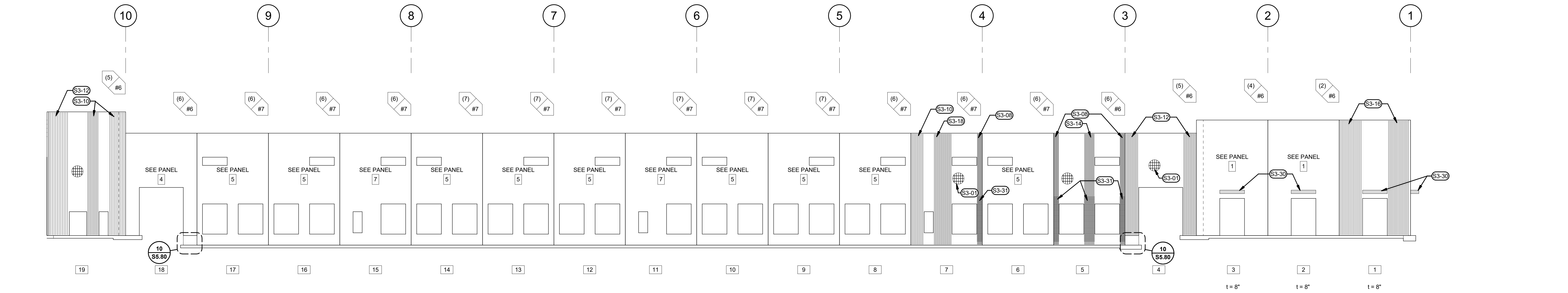
- A. FOR GENERAL STRUCTURAL NOTES SEE S0.00 SERIES SHEETS
B. FOR TYPICAL STRUCTURAL DETAILS SEE S0.10 SERIES SHEETS
C. SEE ARCHITECTURAL DRAWINGS FOR CONTROL ELEVATIONS

LEGEND

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

KEYNOTES

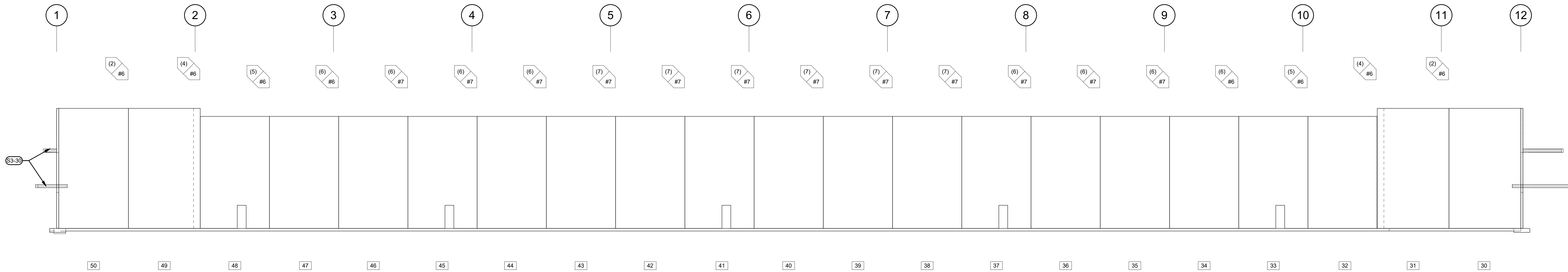
- S3-01 #4 @ 9" OC CL EW
S3-02 #5 VERT BARS @ 6" OC EF & #4 HORIZ BARS @ 12" OC CL. PROVIDE #4 HORIZ BARS @ 12" OC EF AT THICKENED PORTION OF PANEL
S3-03 BLADE WALL FEATURE. #5 VERT BARS @ 9" OC CL & #4 HORIZ BARS @ 12" OC CL. STEP IN PANEL TO MATCH THICKNESS OF BLADE WALL FEATURE
S3-04 #4 HORIZ REINF @ 6" OC EF ((5) TOTAL MIN EF)
S3-05 #5 VERT @ 10" OC EF & #4 HORIZ @ 12" OC EF
S3-06 (8) #5 VERT BARS EF, EQ SPACED IN LEG
S3-07 (10) #5 VERT BARS EF, EQ SPACED IN LEG
S3-08 (12) #5 VERT BARS EF, EQ SPACED IN LEG
S3-09 (14) #5 VERT BARS EF, EQ SPACED IN LEG
S3-10 (16) #5 VERT BARS EF, EQ SPACED IN LEG
S3-11 (18) #5 VERT BARS EF, EQ SPACED IN LEG
S3-12 (20) #5 VERT BARS EF, EQ SPACED IN LEG
S3-13 EXTERIOR ACCENT/CANOPY FRAMING, SEE ARCH.
S3-14 #3 HOOPS @ 6" OC SEE 9/S5.81 FOR EXTENT
S3-15 #3 HOOPS AT THICKENED PANEL LEG PER 1/S5.81



1 NORTH ELEVATION

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

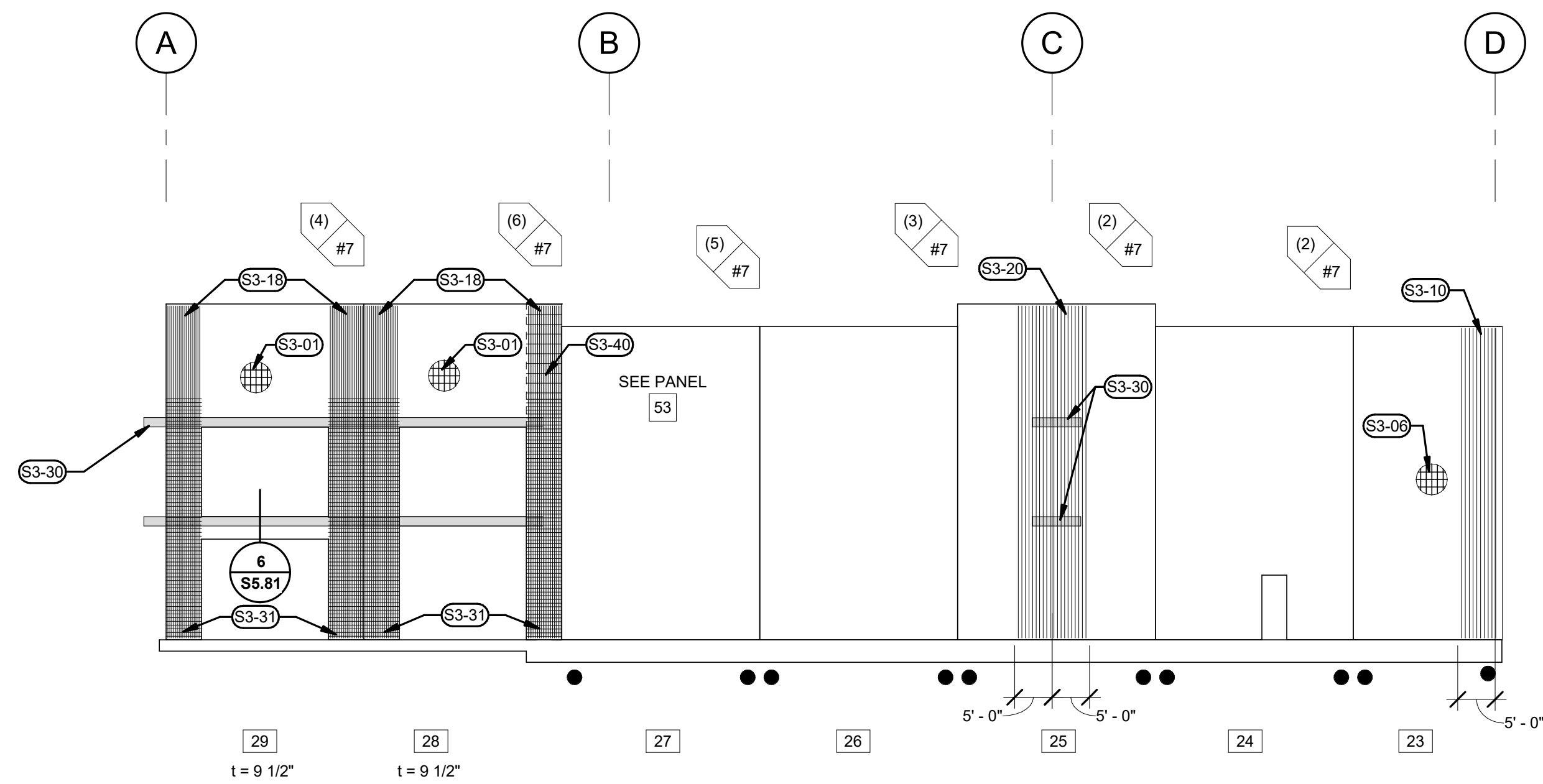
t=9 1/2", UNO



2 SOUTH ELEVATION

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

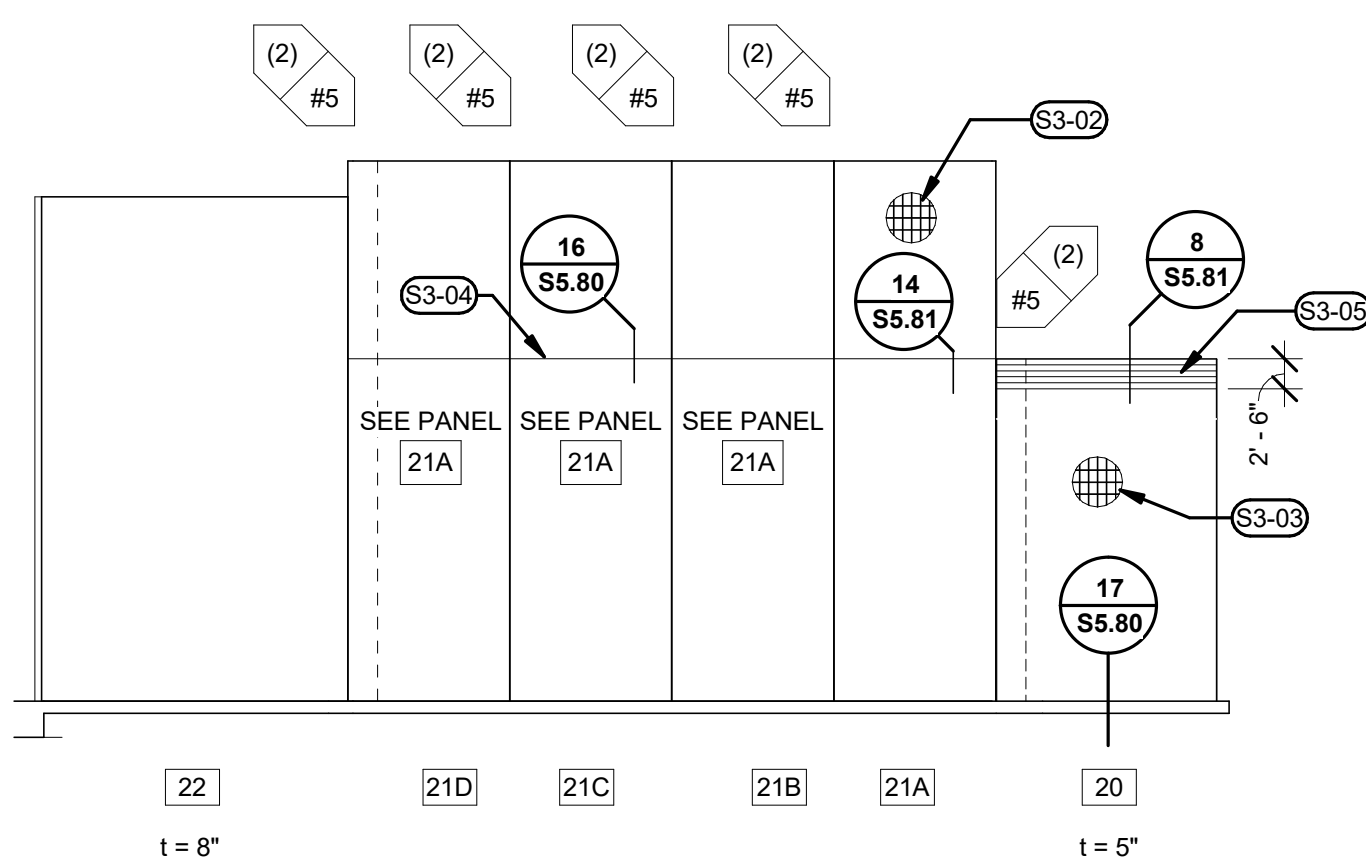
t=8", UNO



3 EAST ELEVATION

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

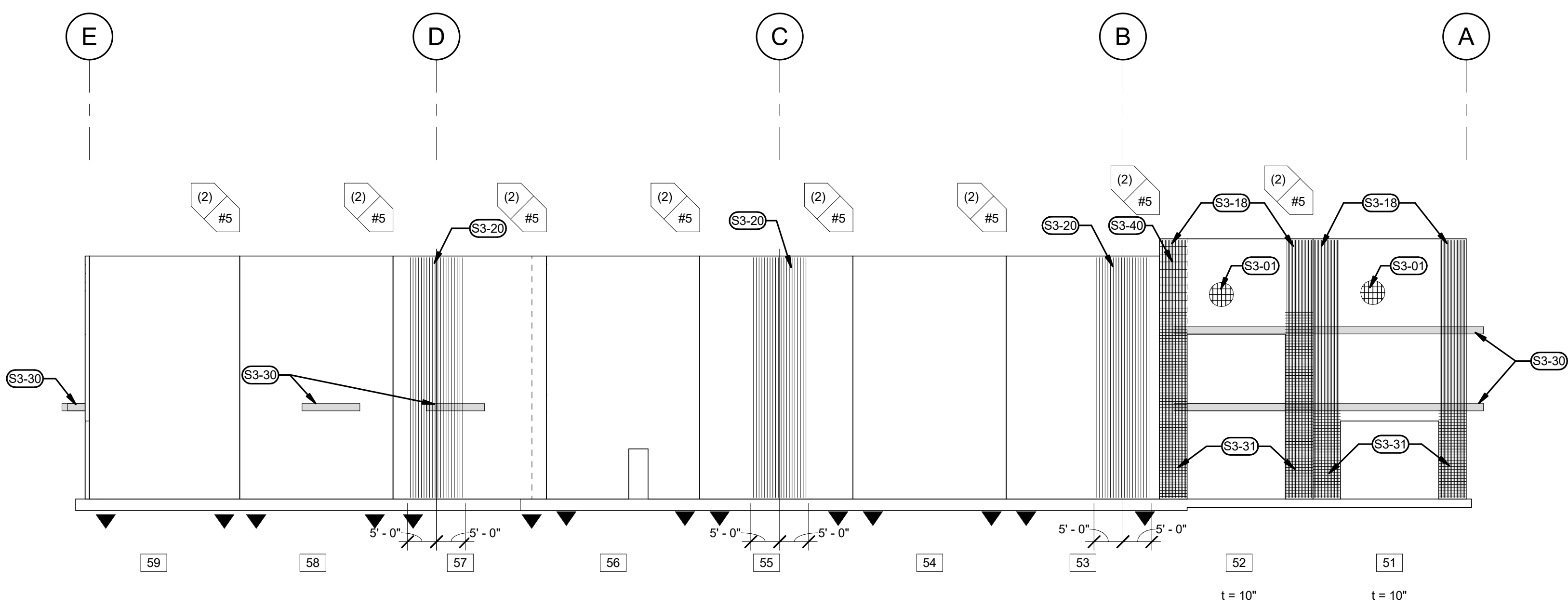
t=8 3/4", UNO



4 NORTHEAST ELEVATION

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

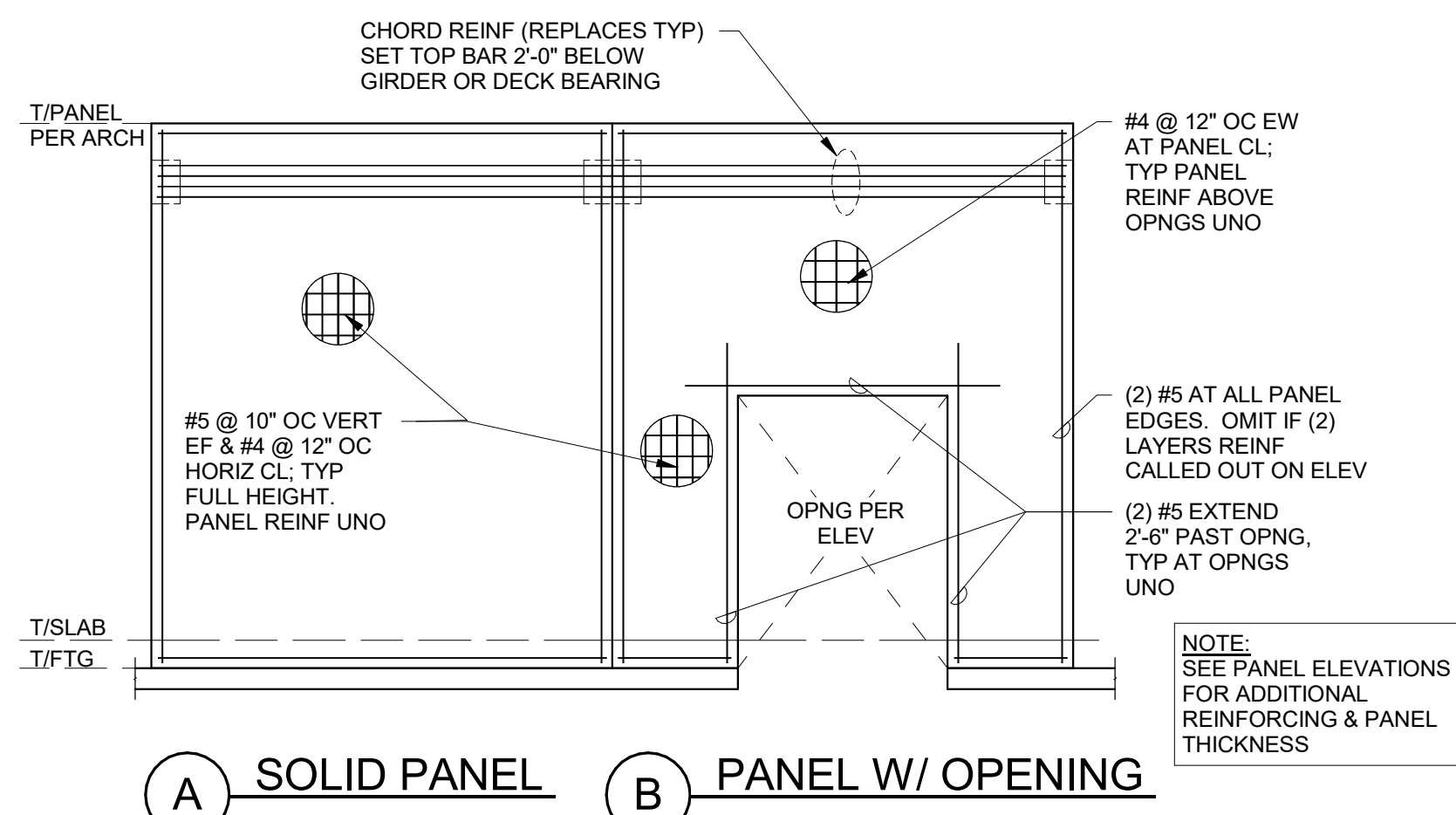
t=9", UNO



5 WEST ELEVATION

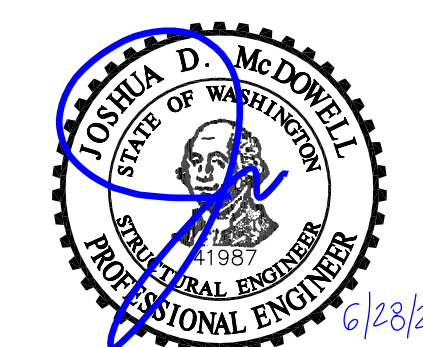
S2.10 1/16" = 1'-0"

t=8 3/4", UNO



7 TYPICAL PANEL REINFORCING

S2.10 1/8" = 1'-0"



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SHEET TITLE:
**EXTERIOR
WALL
ELEVATIONS**

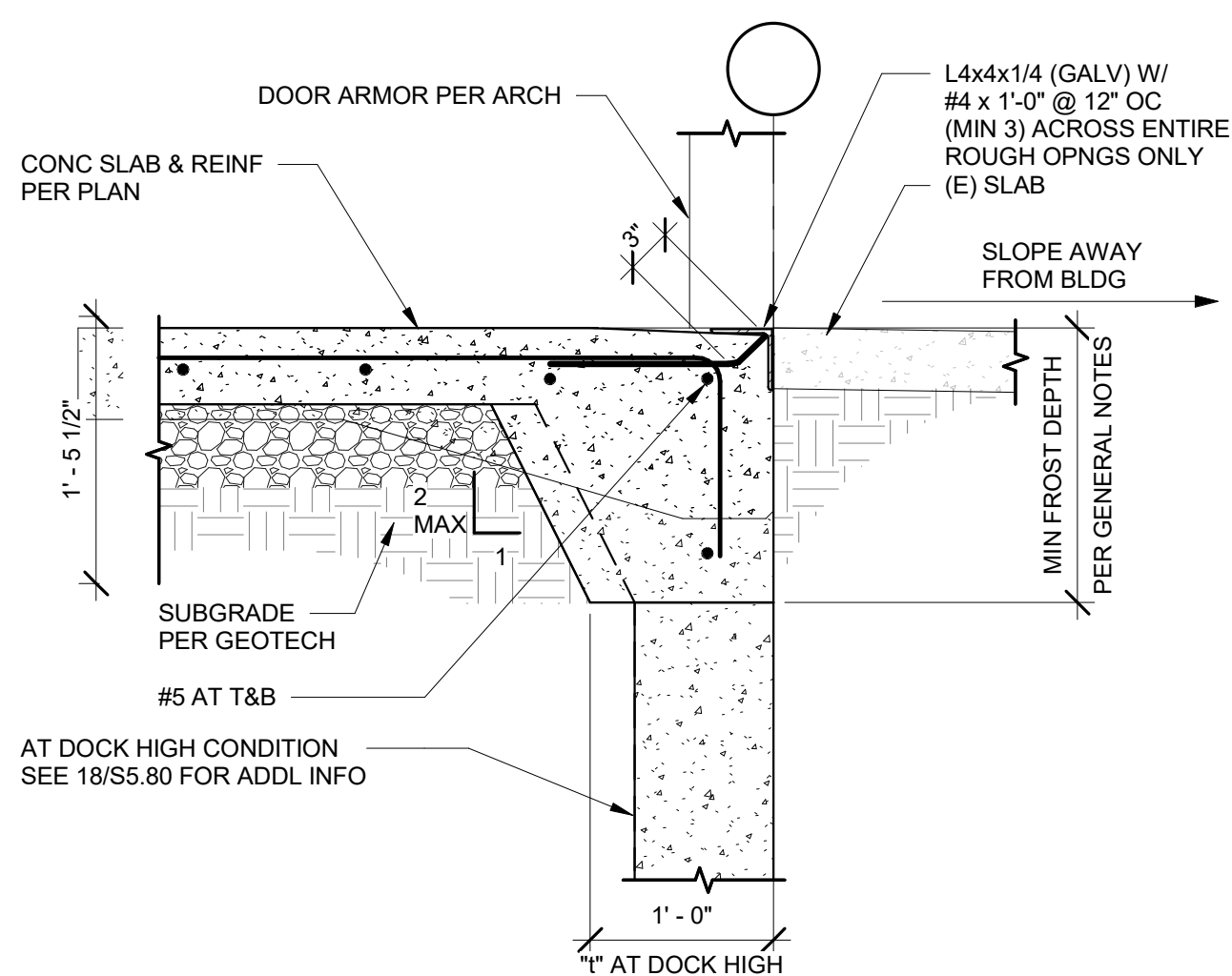
SHEET

S2.10

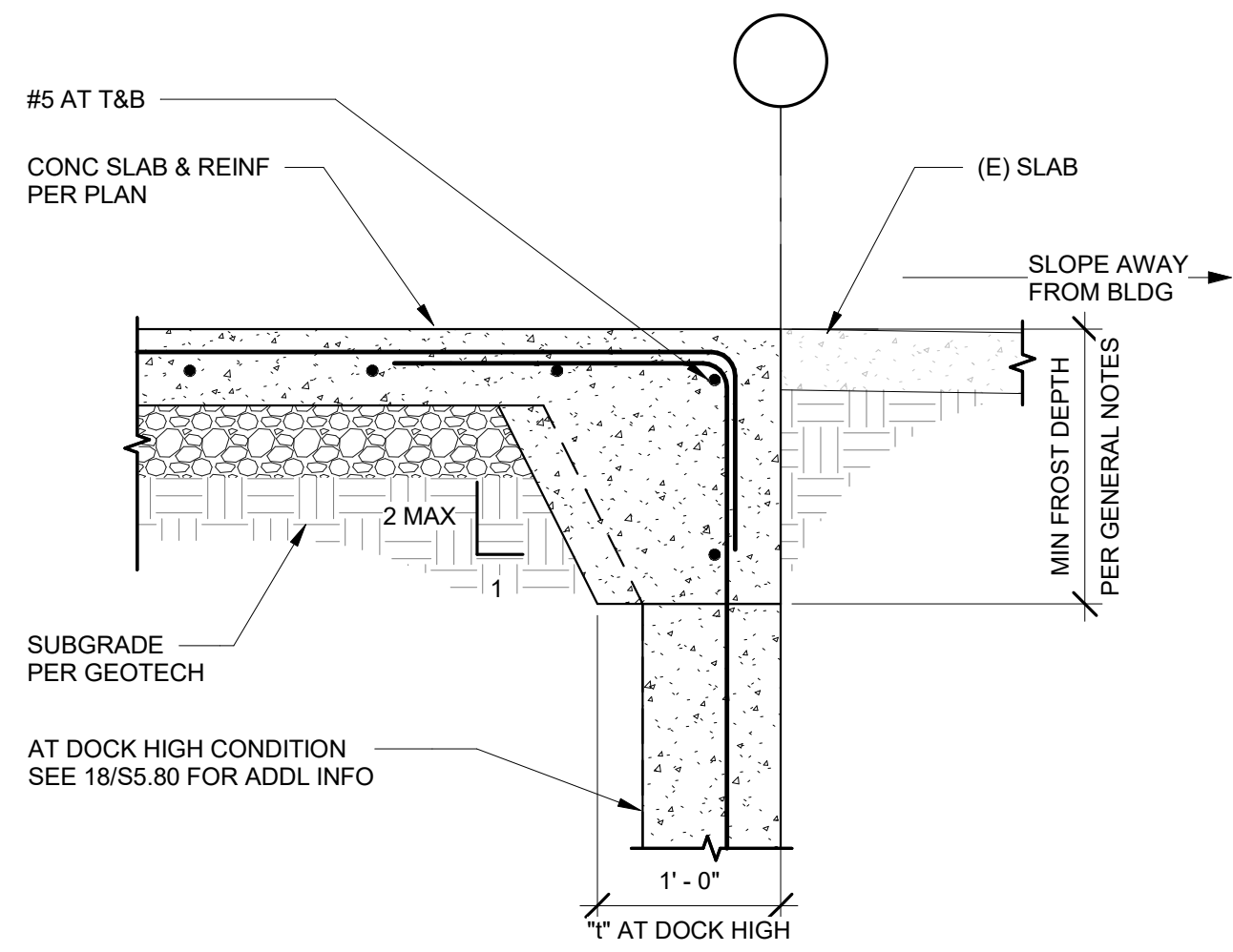
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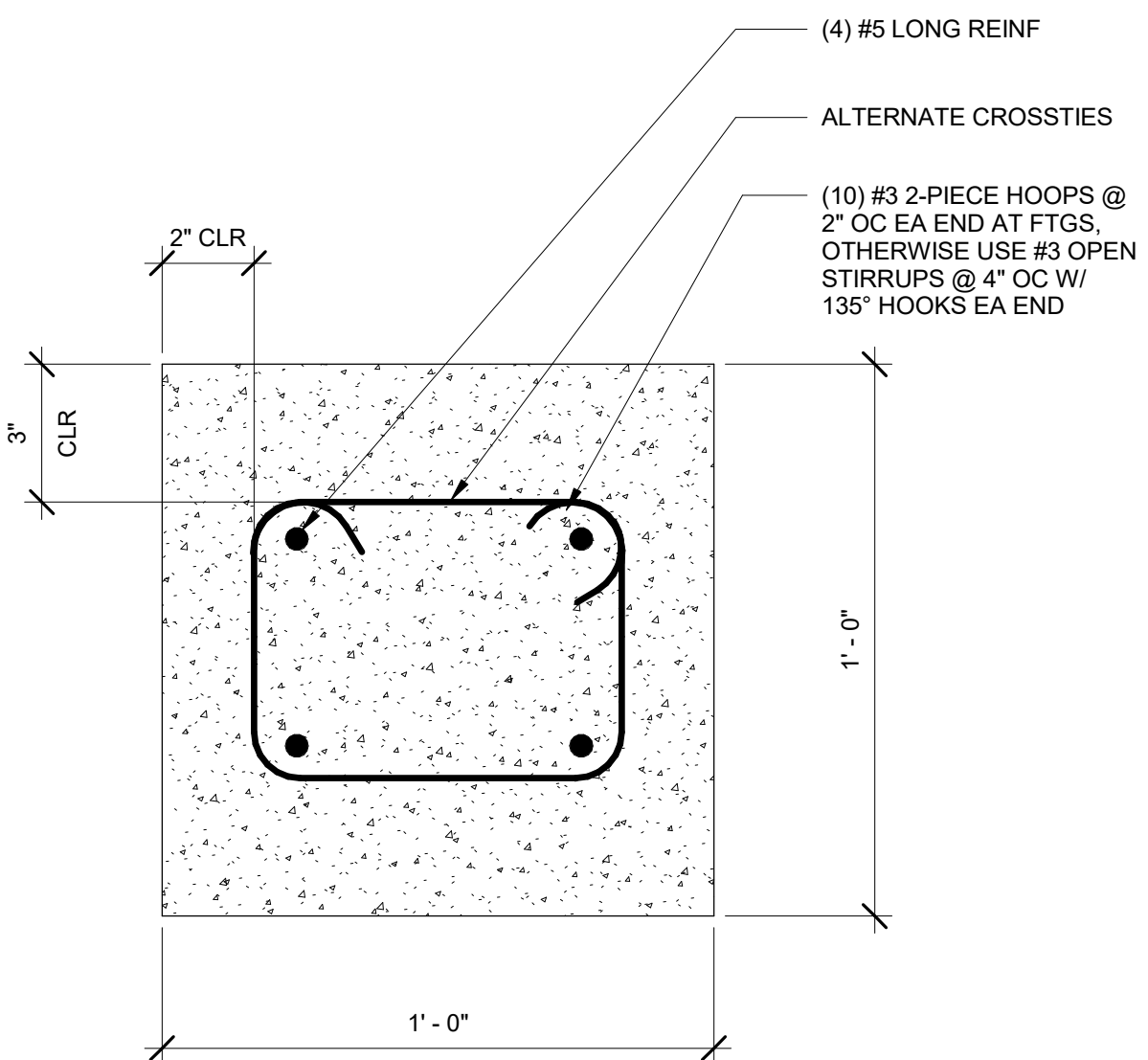
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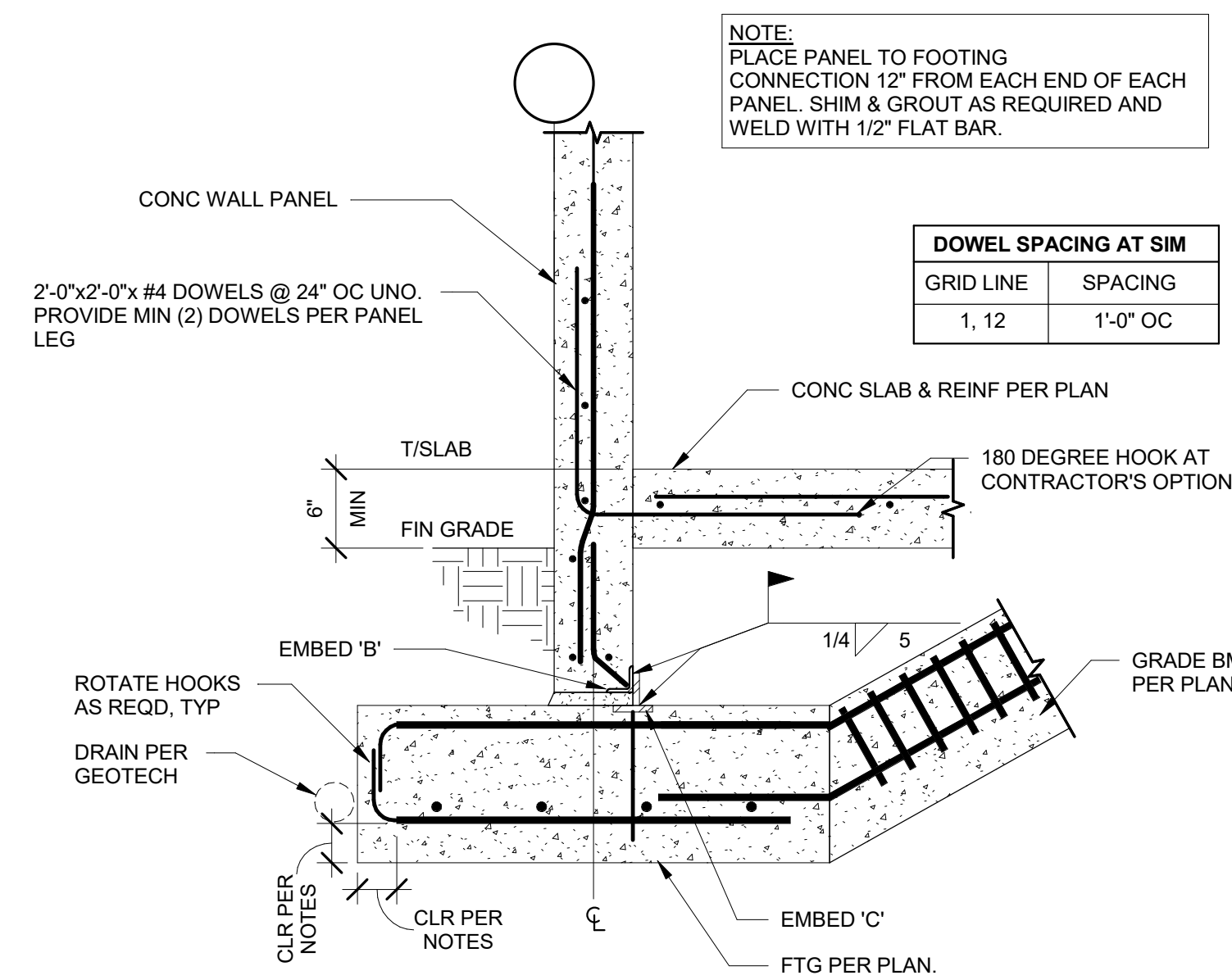
2 TURN DOWN SLAB EDGE AT DRIVE-IN DOOR
SS.80 1" = 1'-0"



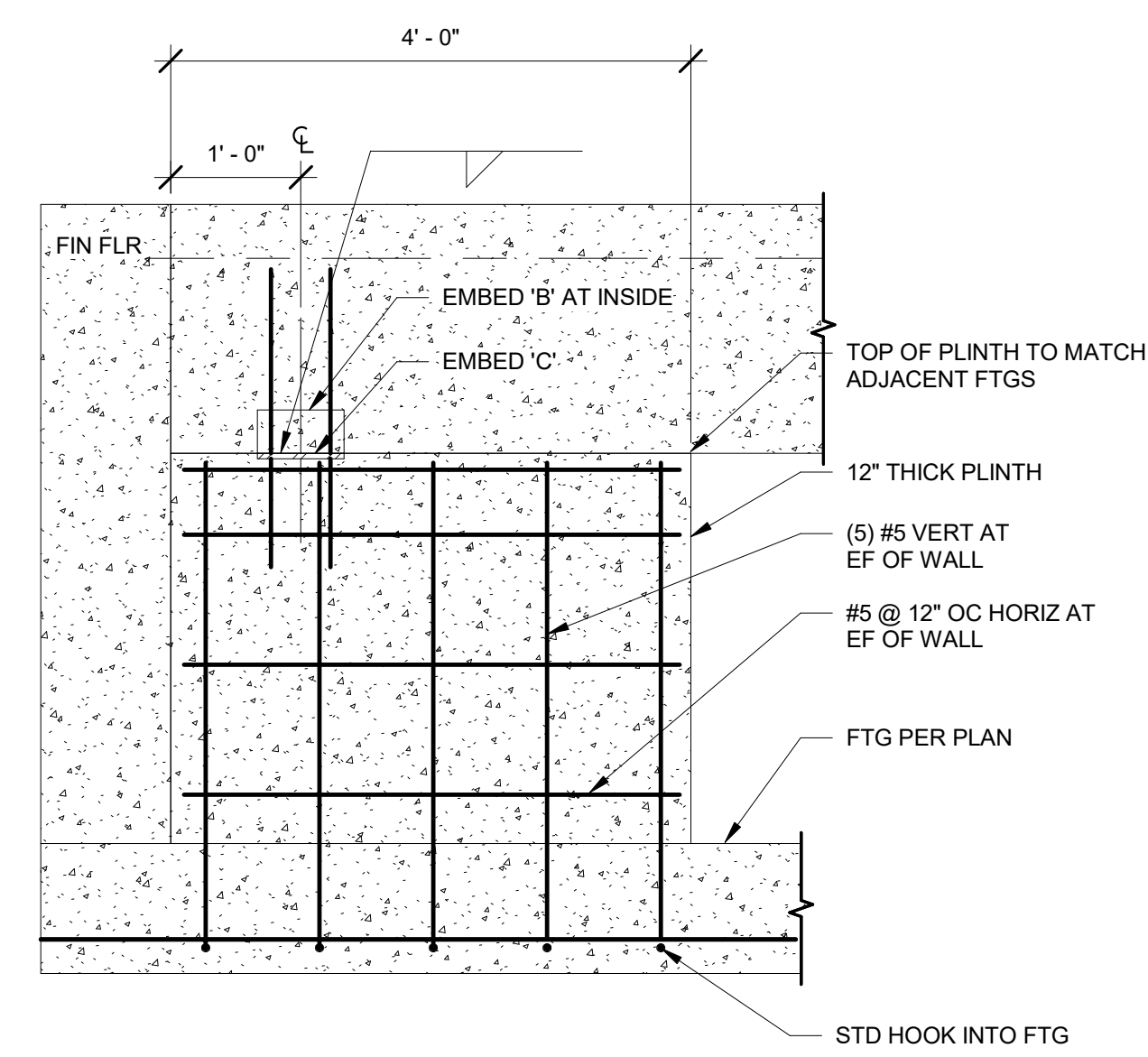
3 TURN DOWN SLAB EDGE
SS.80 1" = 1'-0"



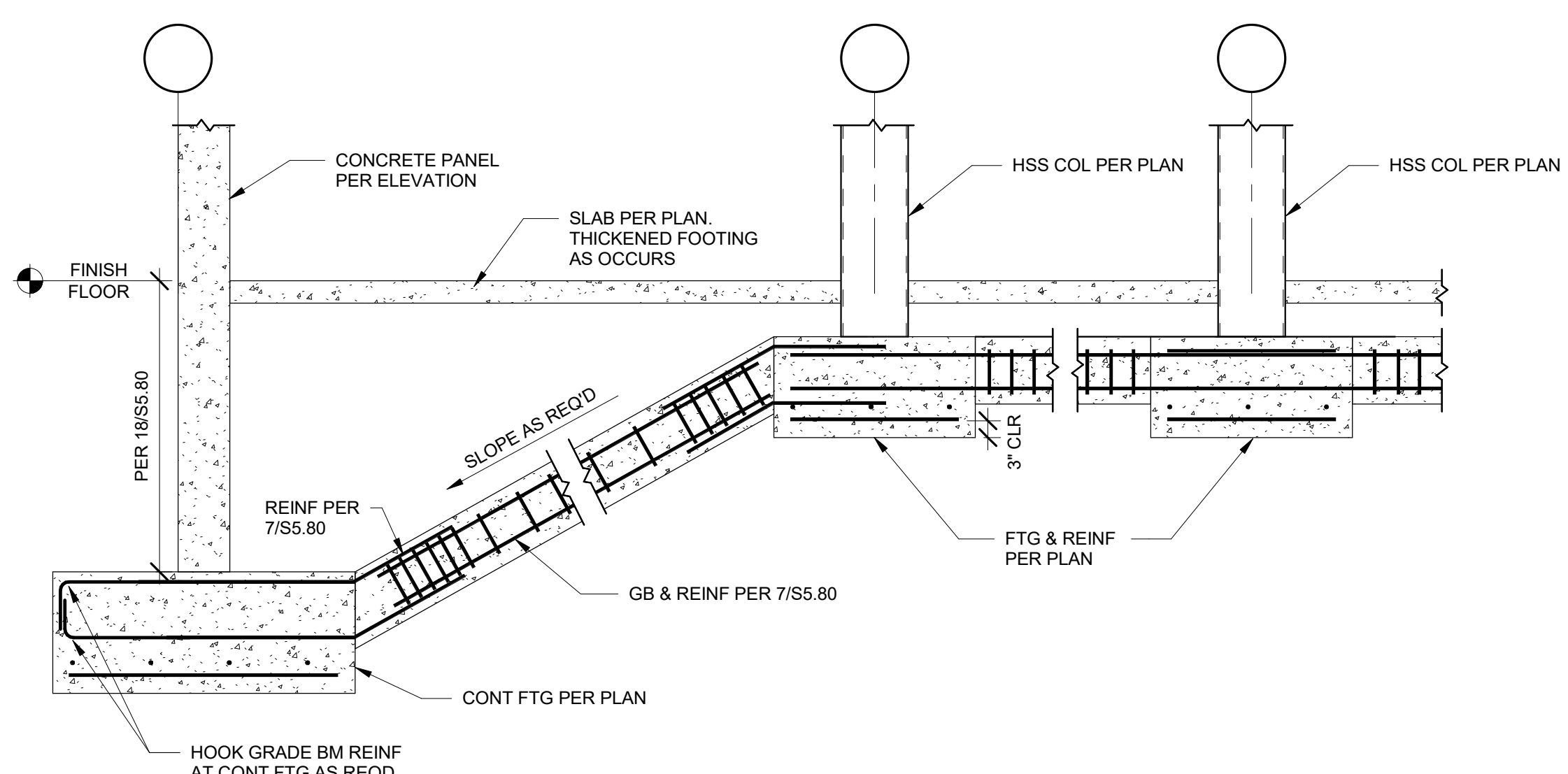
7 FOUNDATION TIES
SS.80 3" = 1'-0"



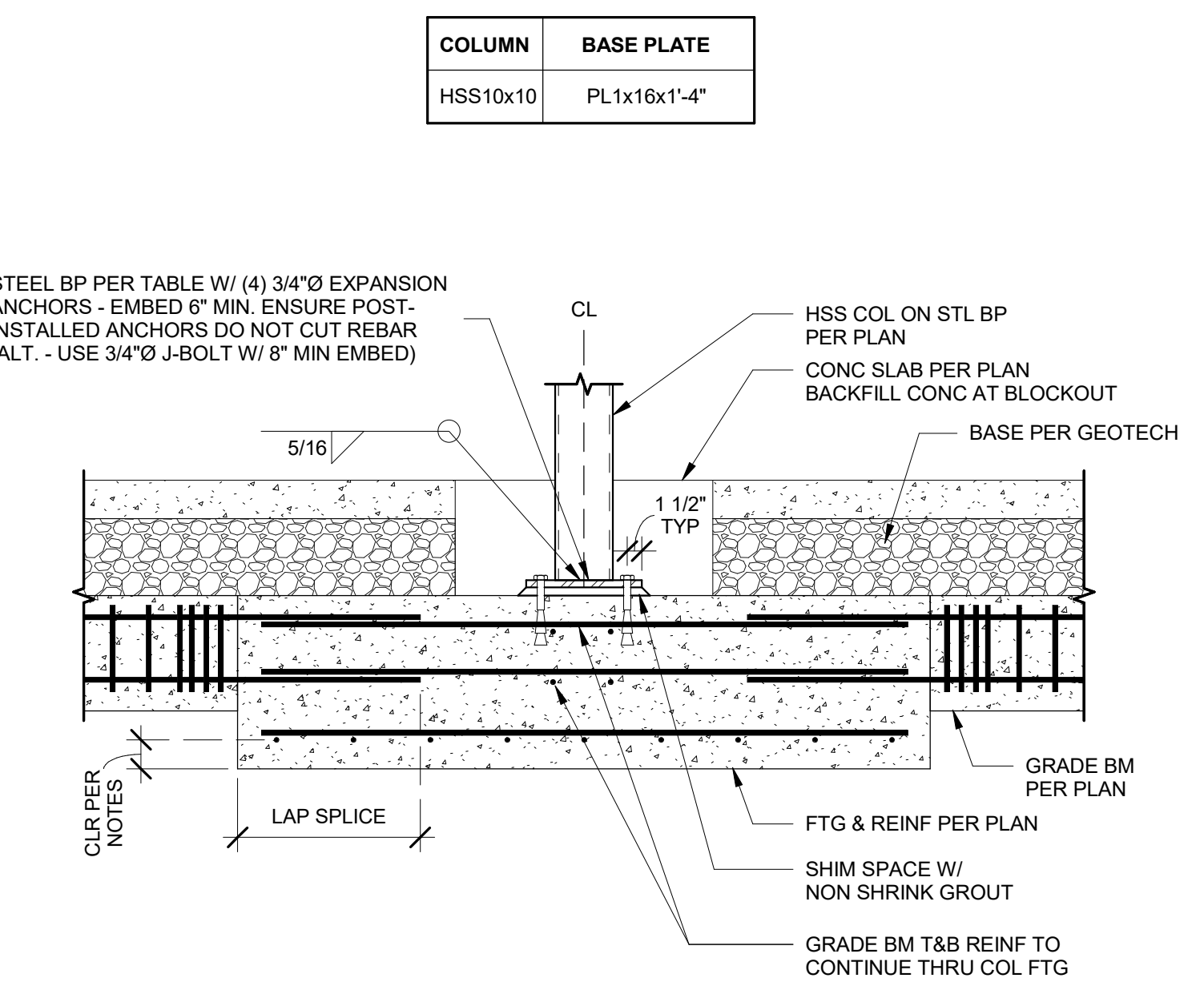
8 PANEL TO SLAB AND FOOTING
SS.80 1" = 1'-0"



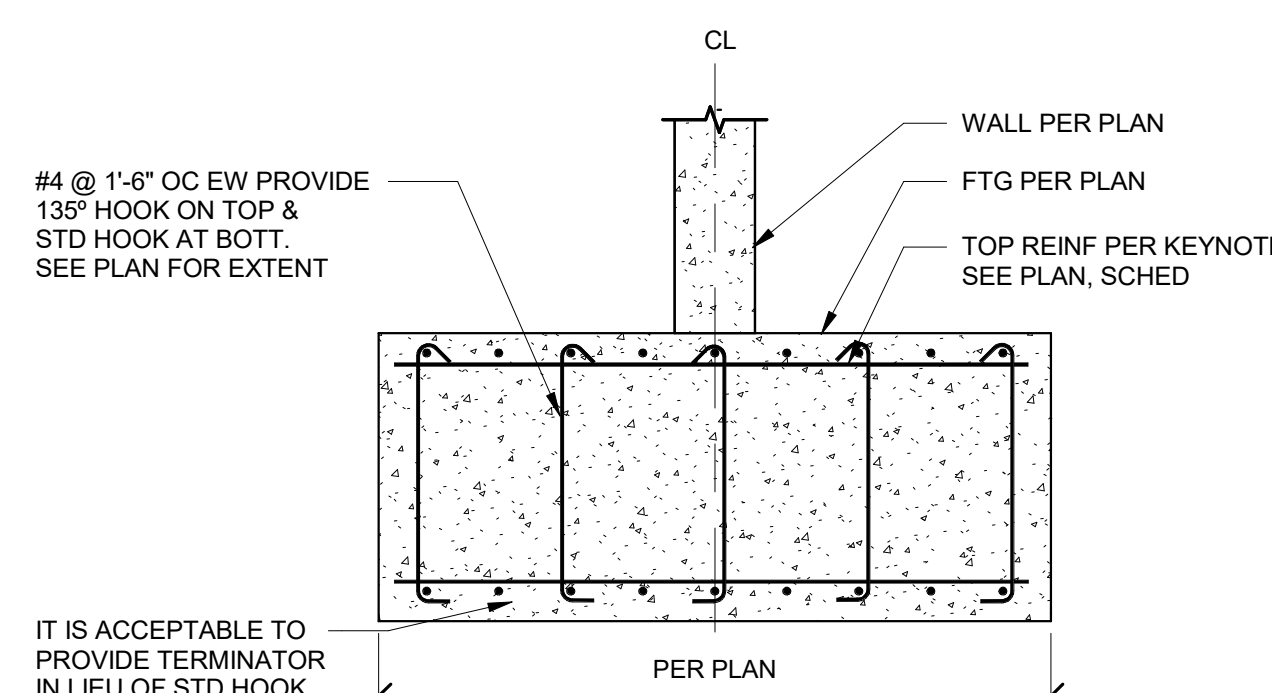
10 PLINTH DETAIL
SS.80 3/4" = 1'-0"



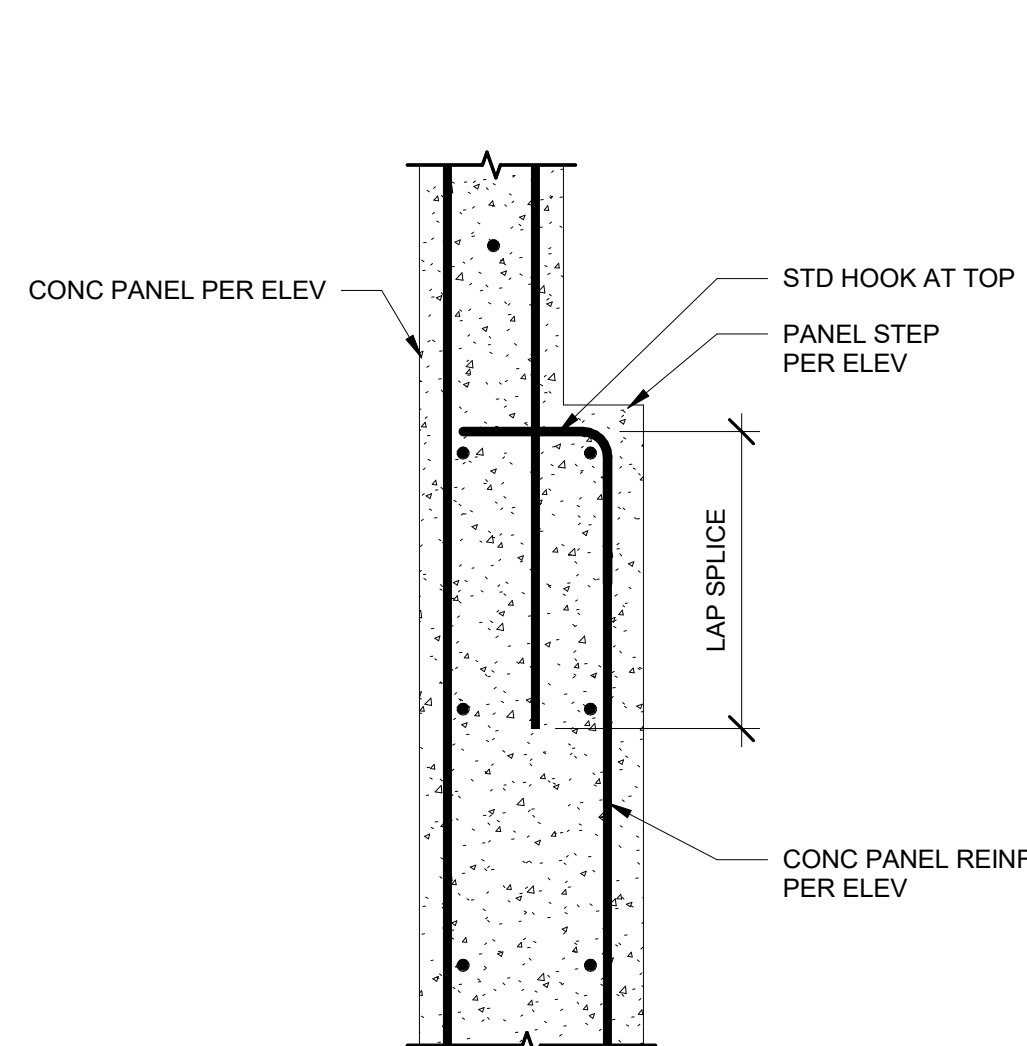
11 GRADE BEAM AT DOCK PANEL FOOTING
SS.80 1/2" = 1'-0"



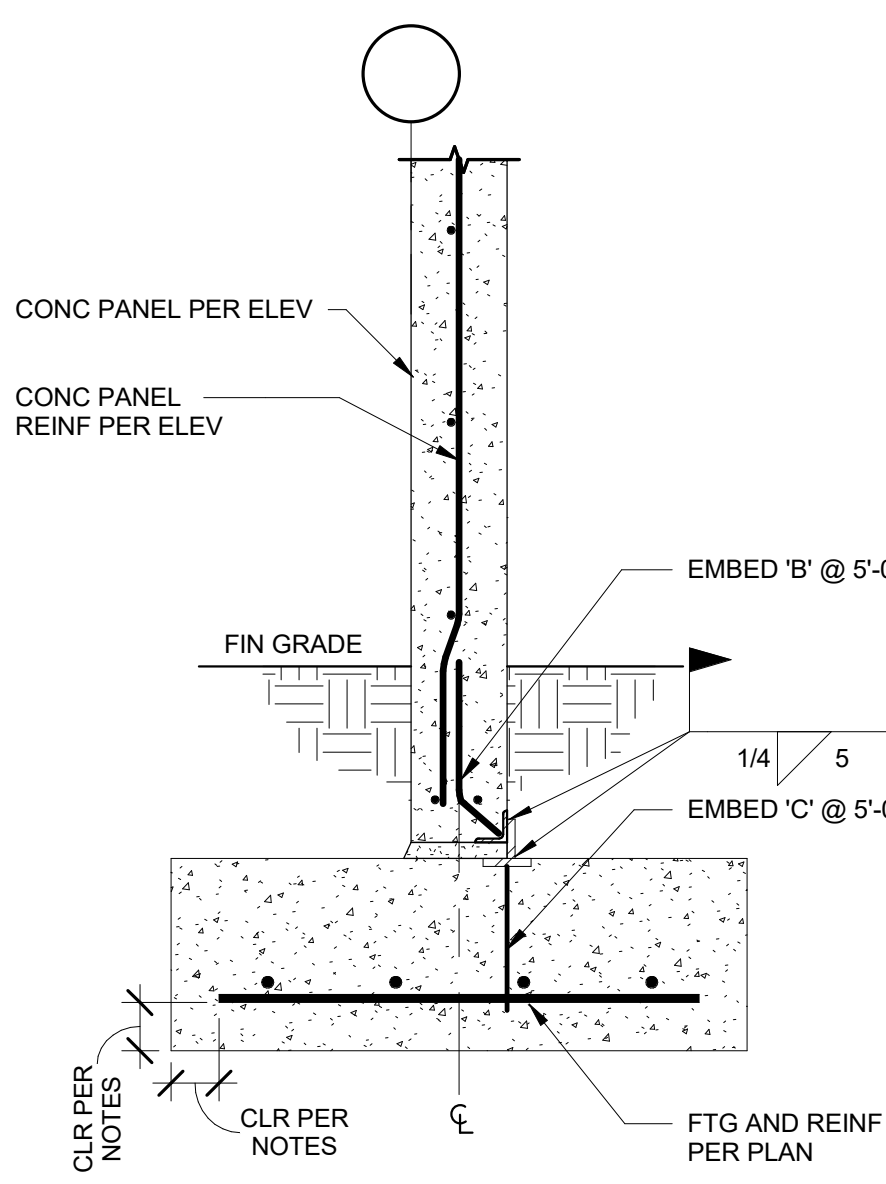
13 COLUMN TO FOOTING
SS.80 3/4" = 1'-0"



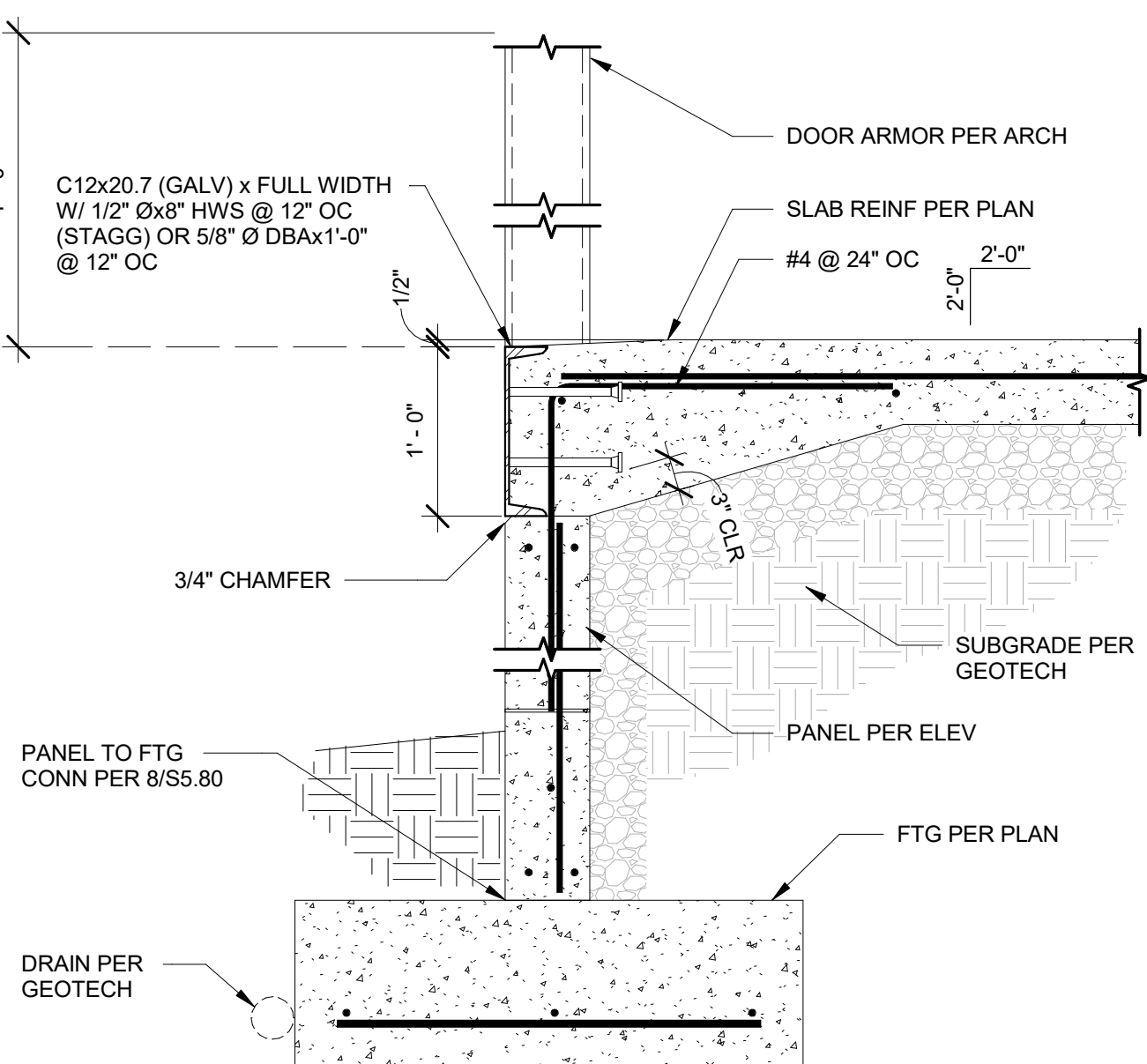
15 VERTICAL REINF AT PANEL JOINT
SS.80 1/2" = 1'-0"



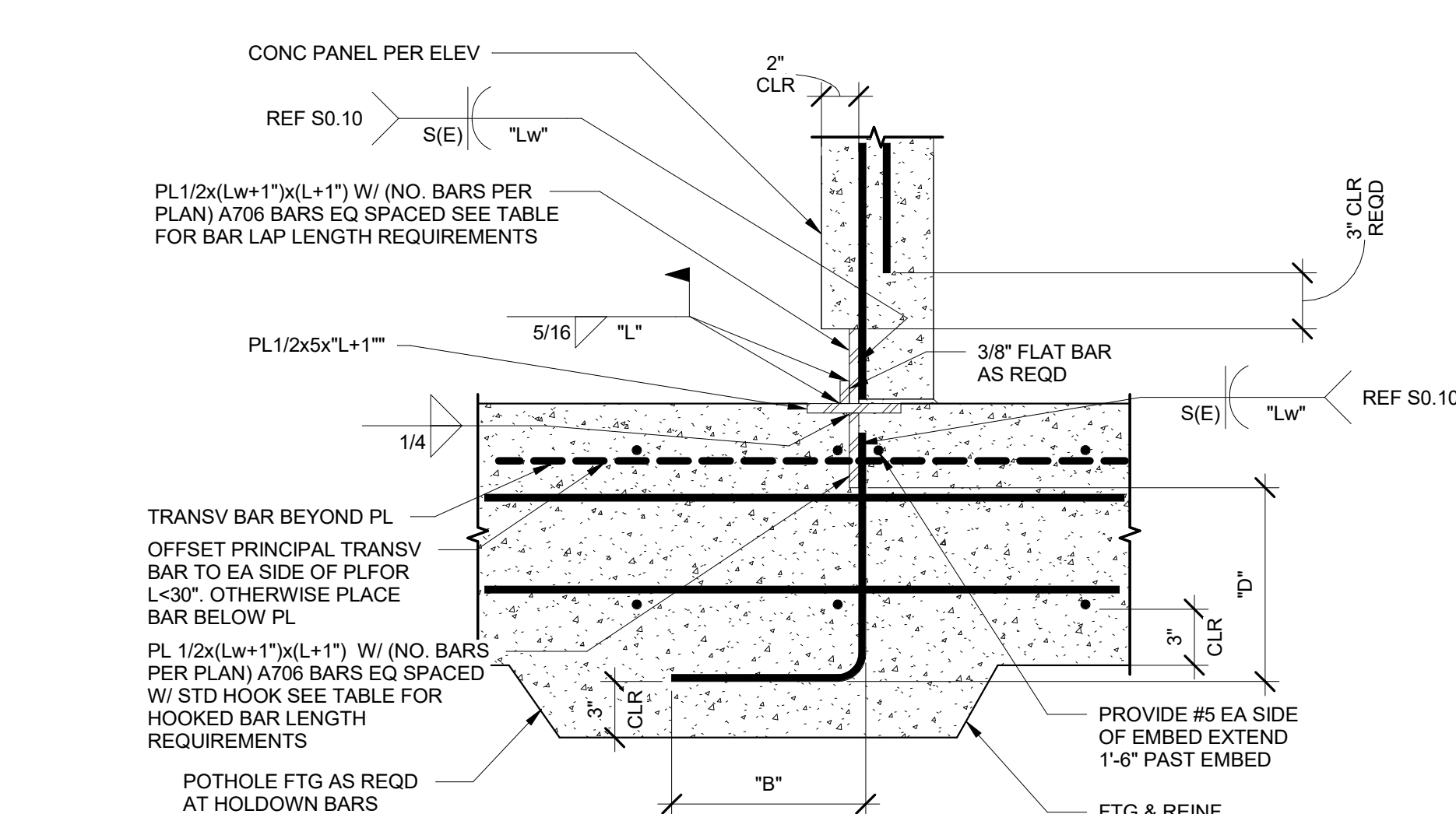
16 BLADE WALL STEP AT SOLID PANEL
SS.80 1" = 1'-0"



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

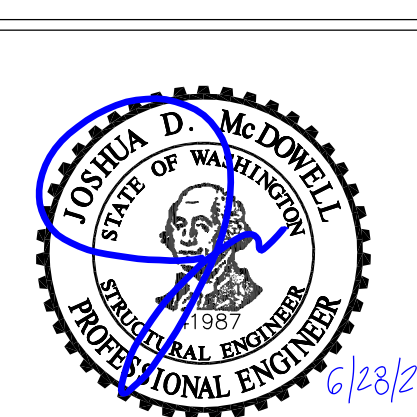


18 DOCK HIGH DOOR
SS.80 1" = 1'-0"



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

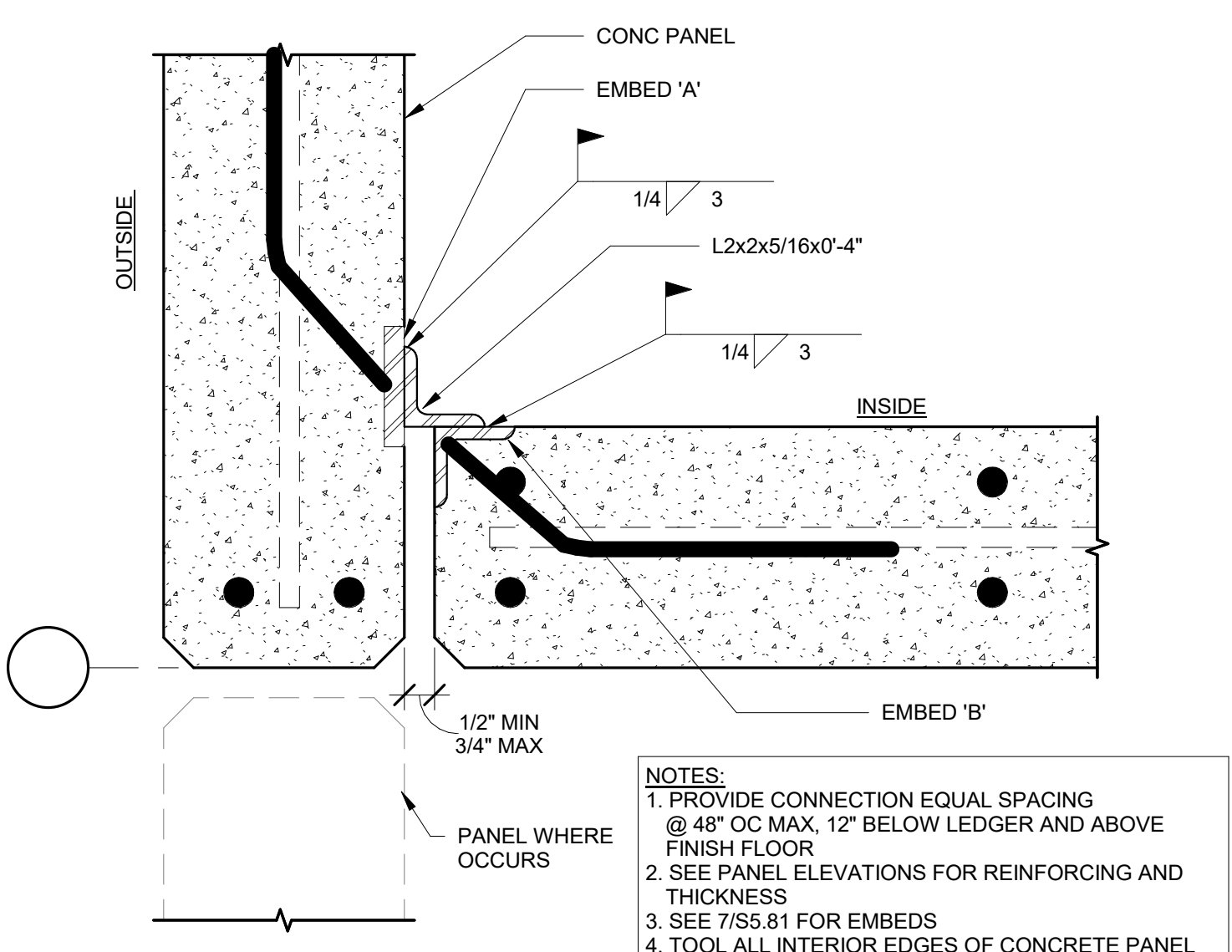
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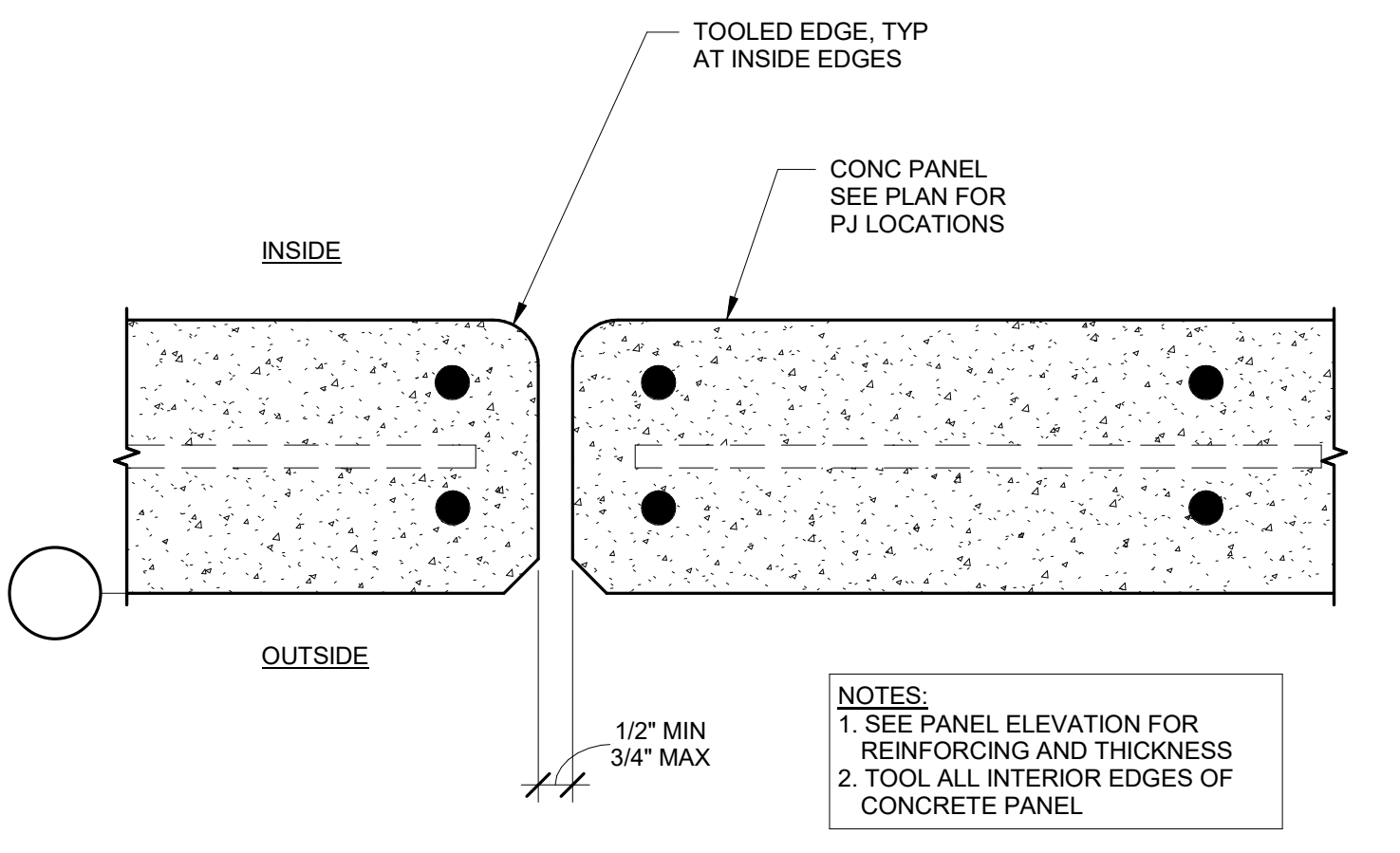
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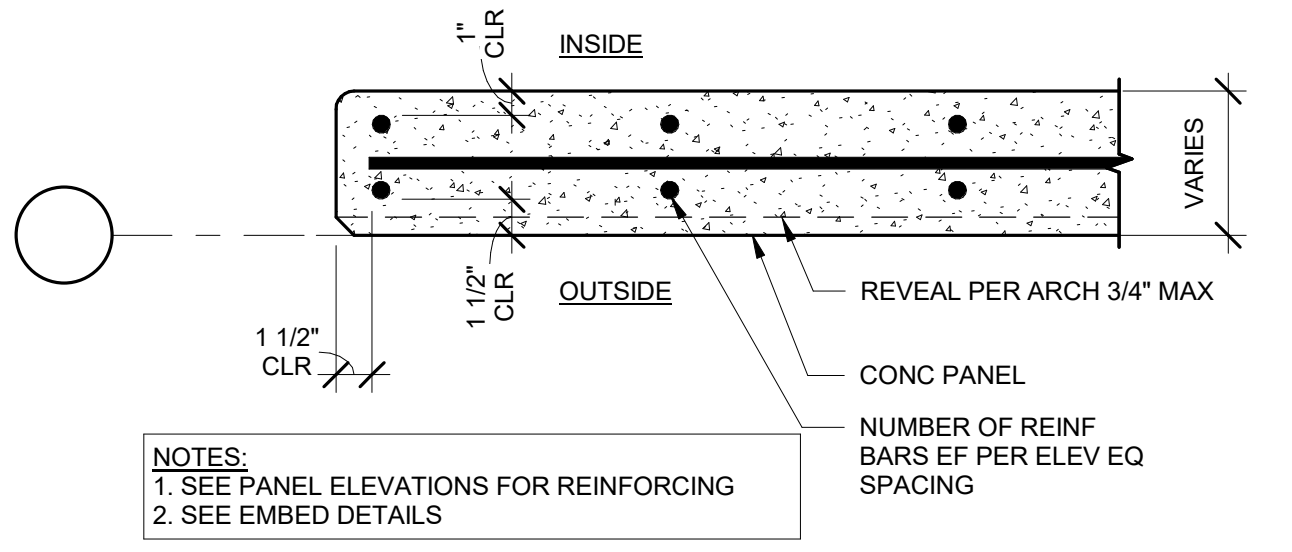
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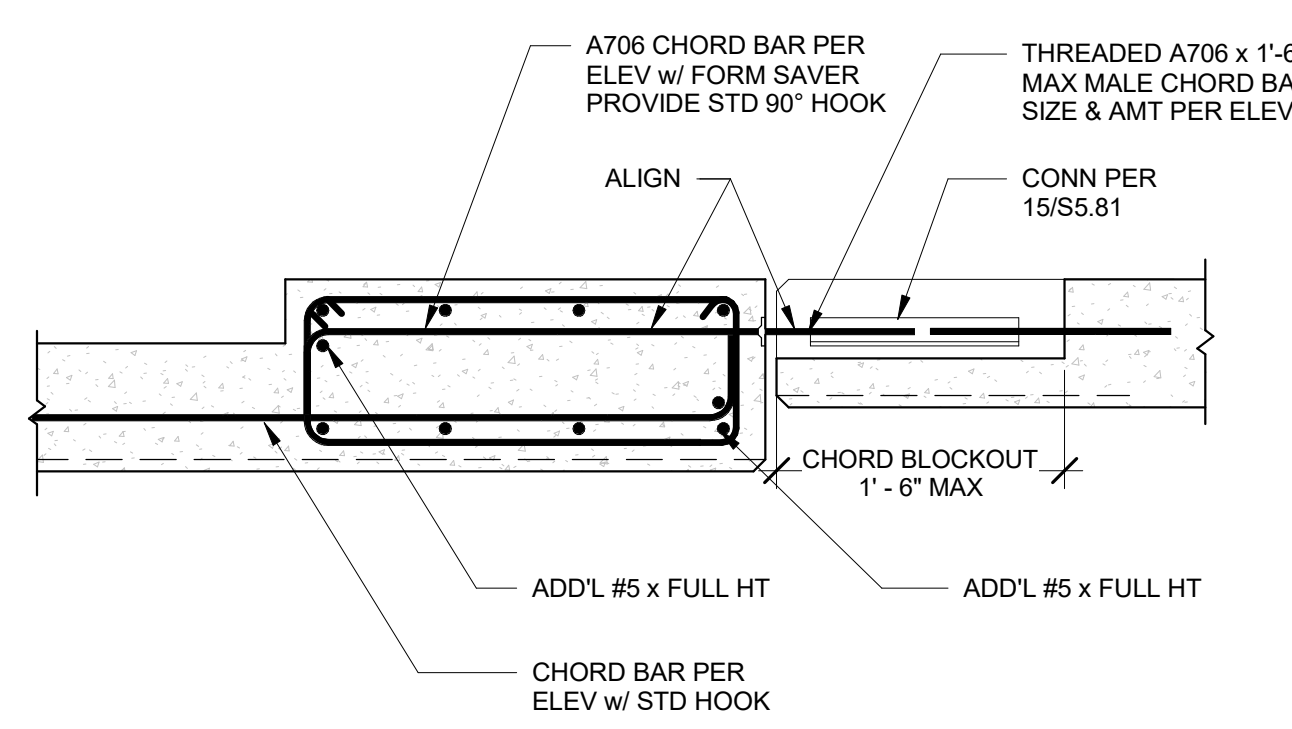
5 OUTSIDE CORNER 90 DEGREE EDGES
3\"/>



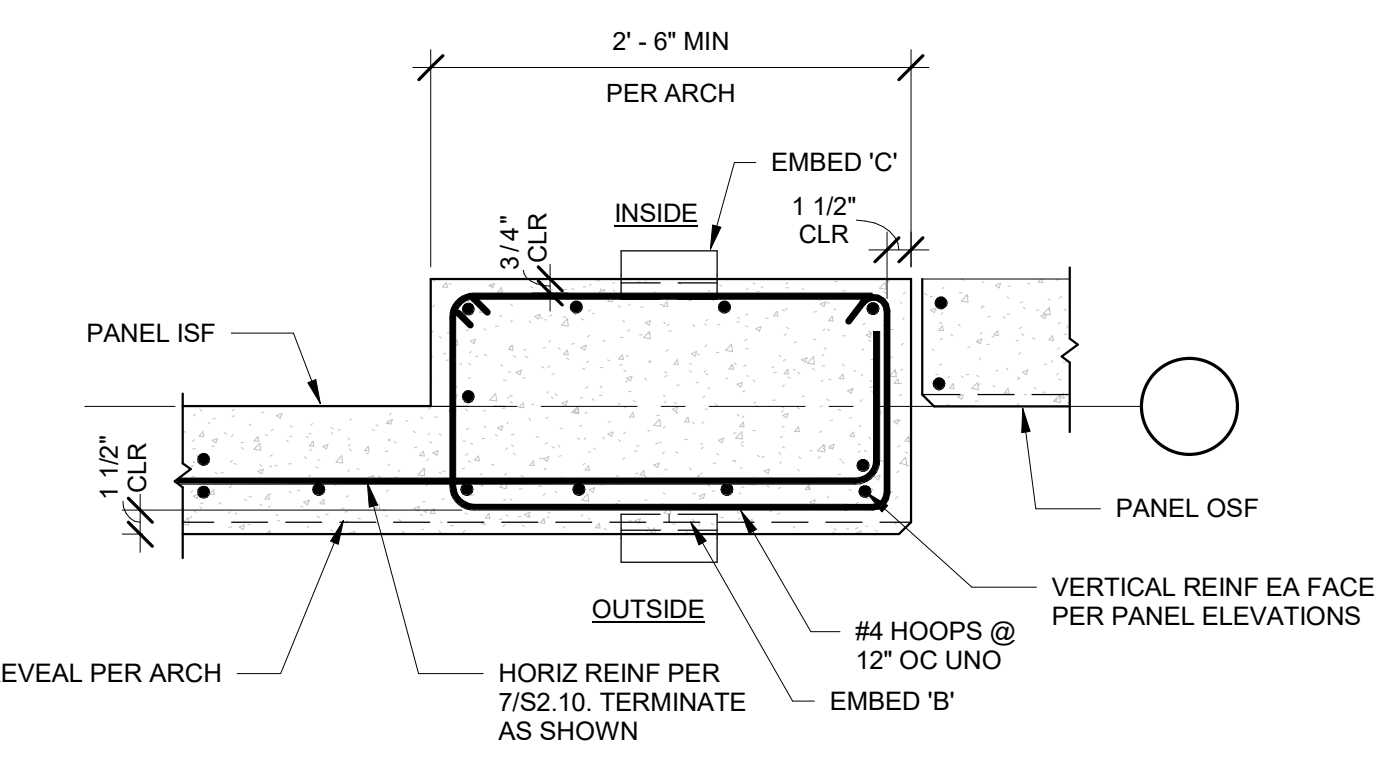
4 PANEL JOINT END TO END
3\"/>



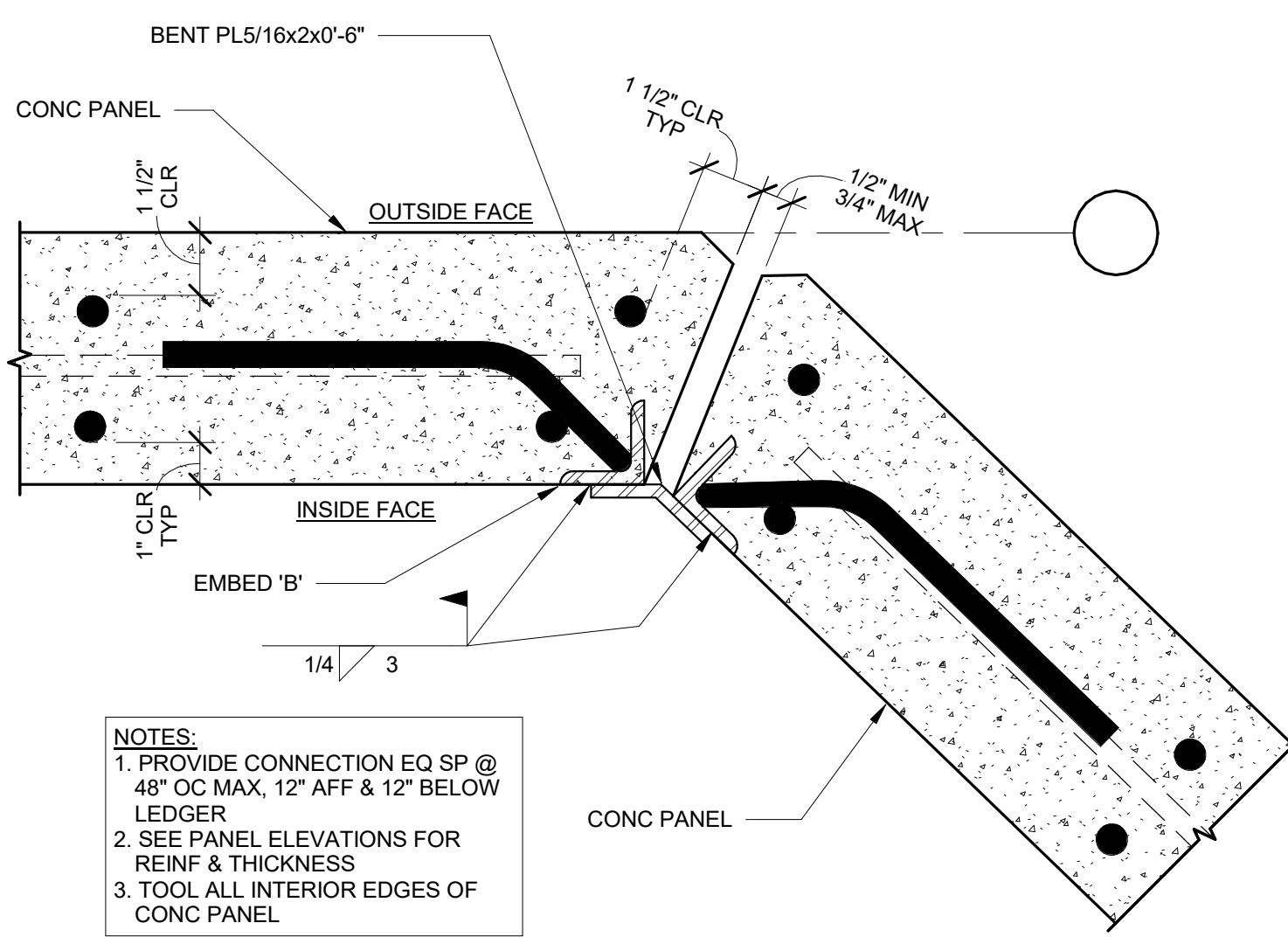
3 TYP PANEL LEG REINF
1 1/2\"/>



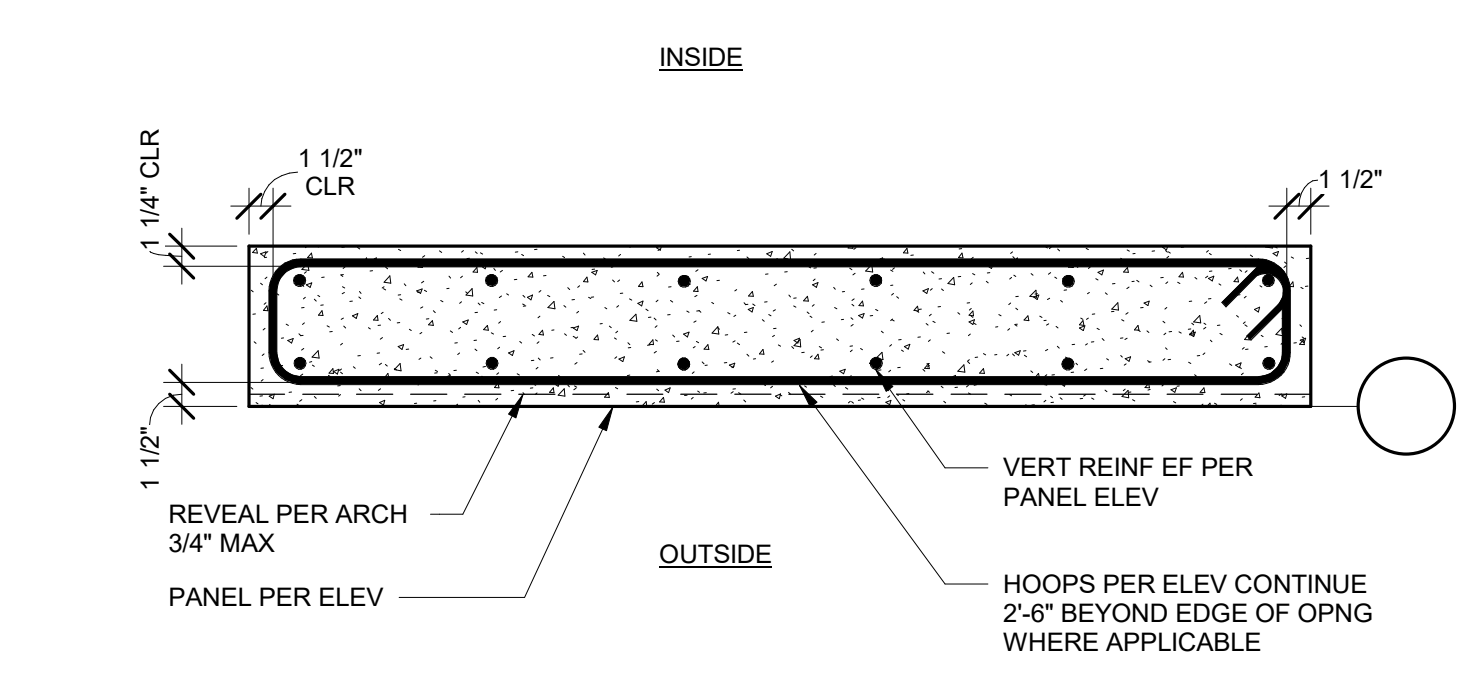
2 CHORD TIE
1\"/>



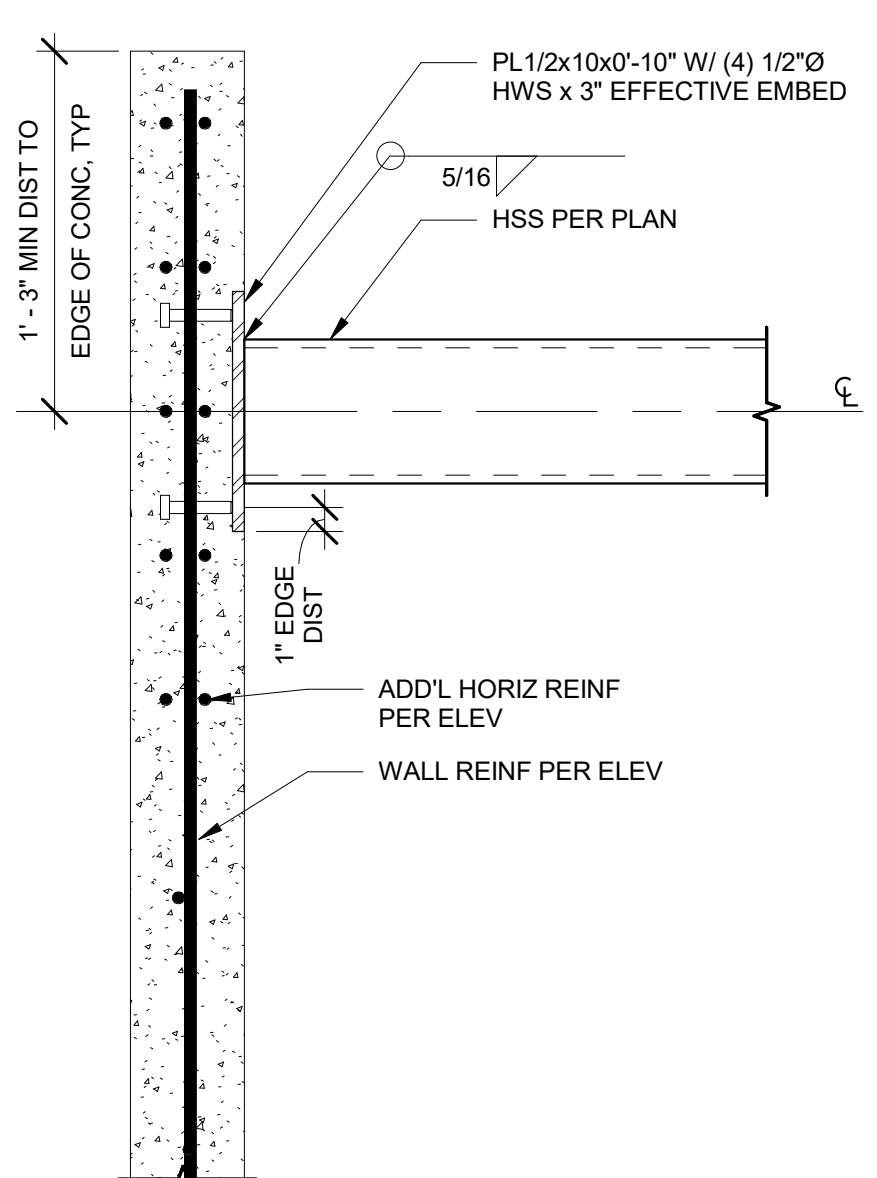
1 THICKENED PANEL REINF
1\"/>



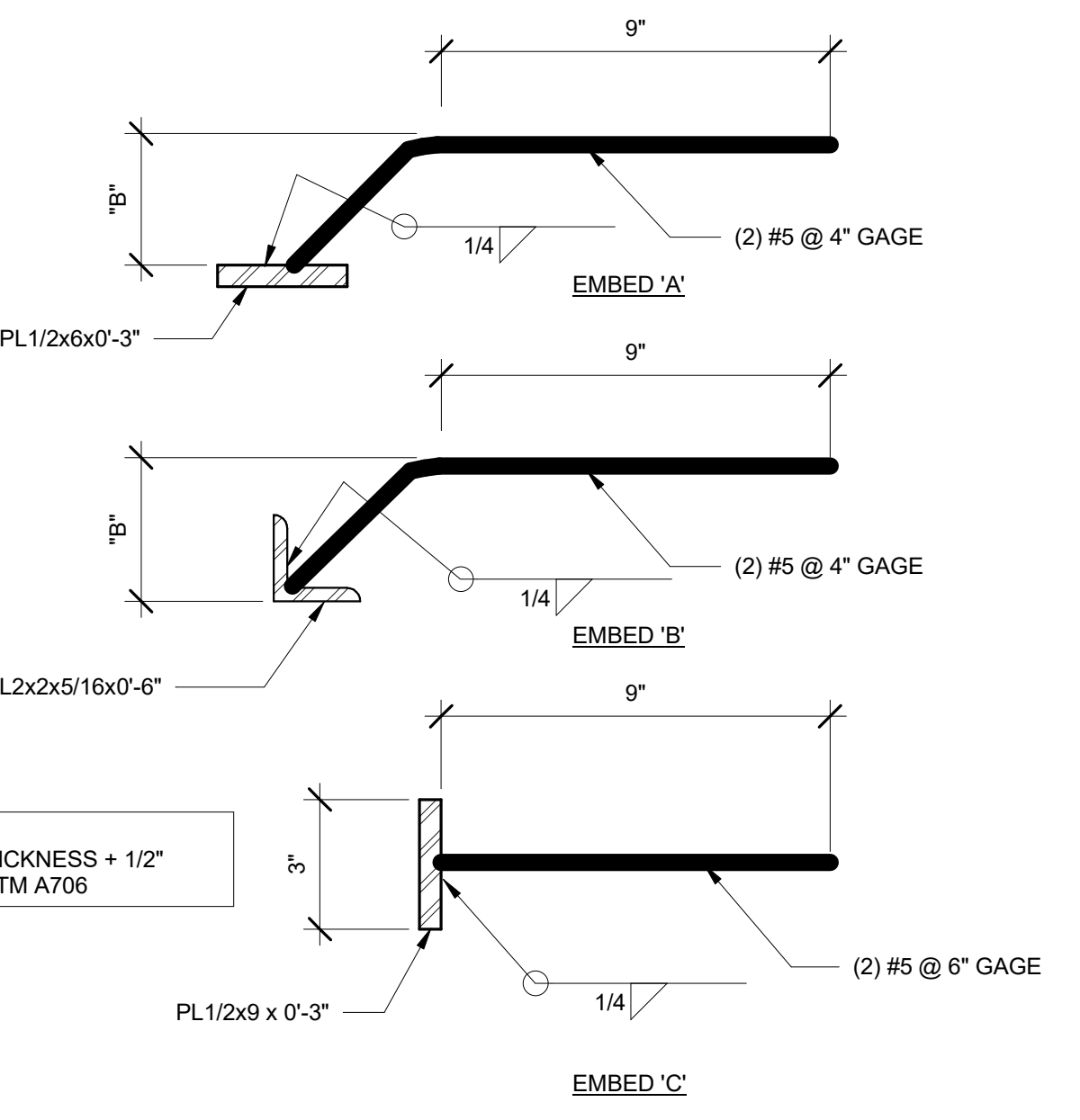
10 OUTSIDE CORNER ANGLED WALL
3\"/>



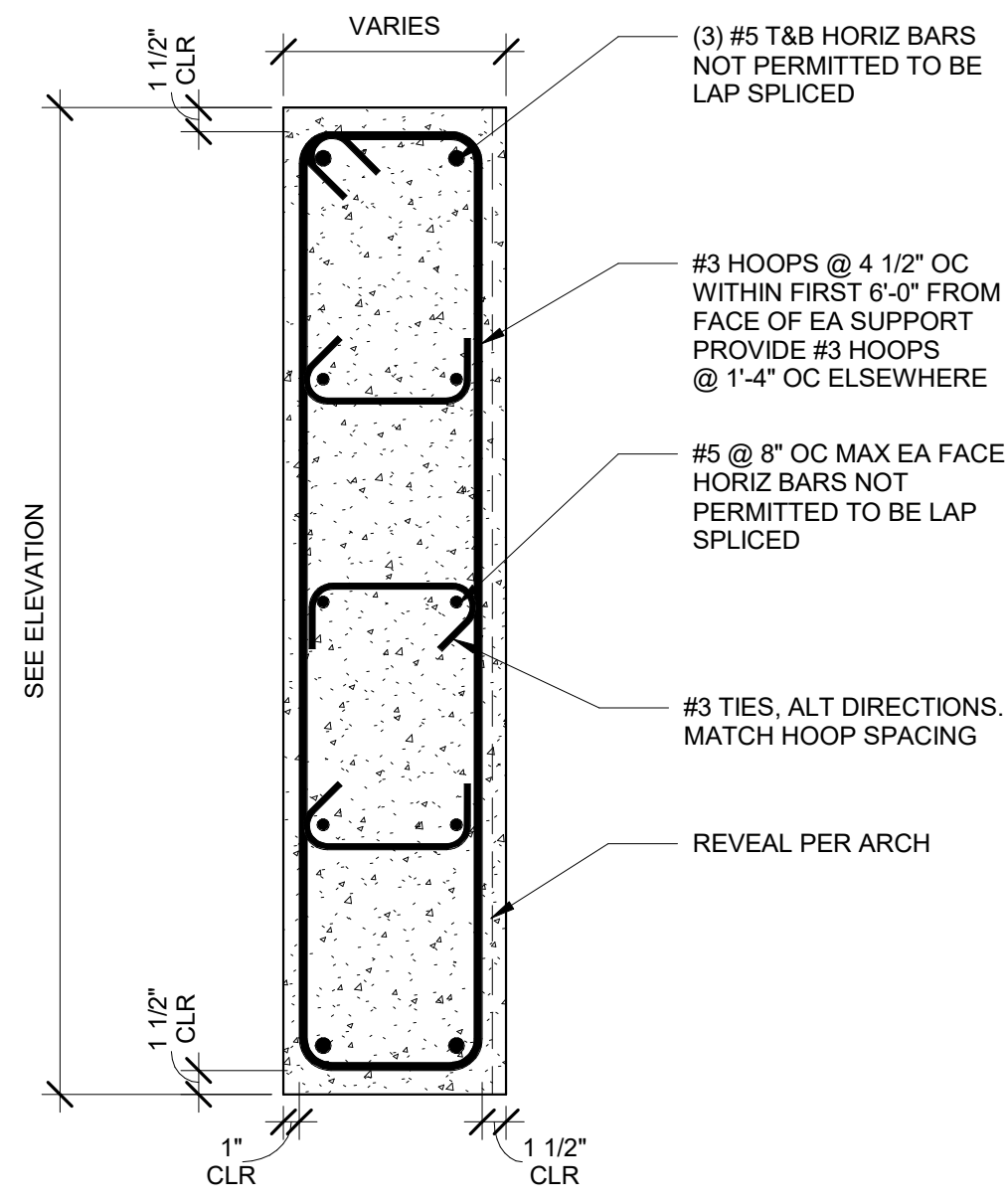
9 PANEL LEG HOOP REINFORCING
1\"/>



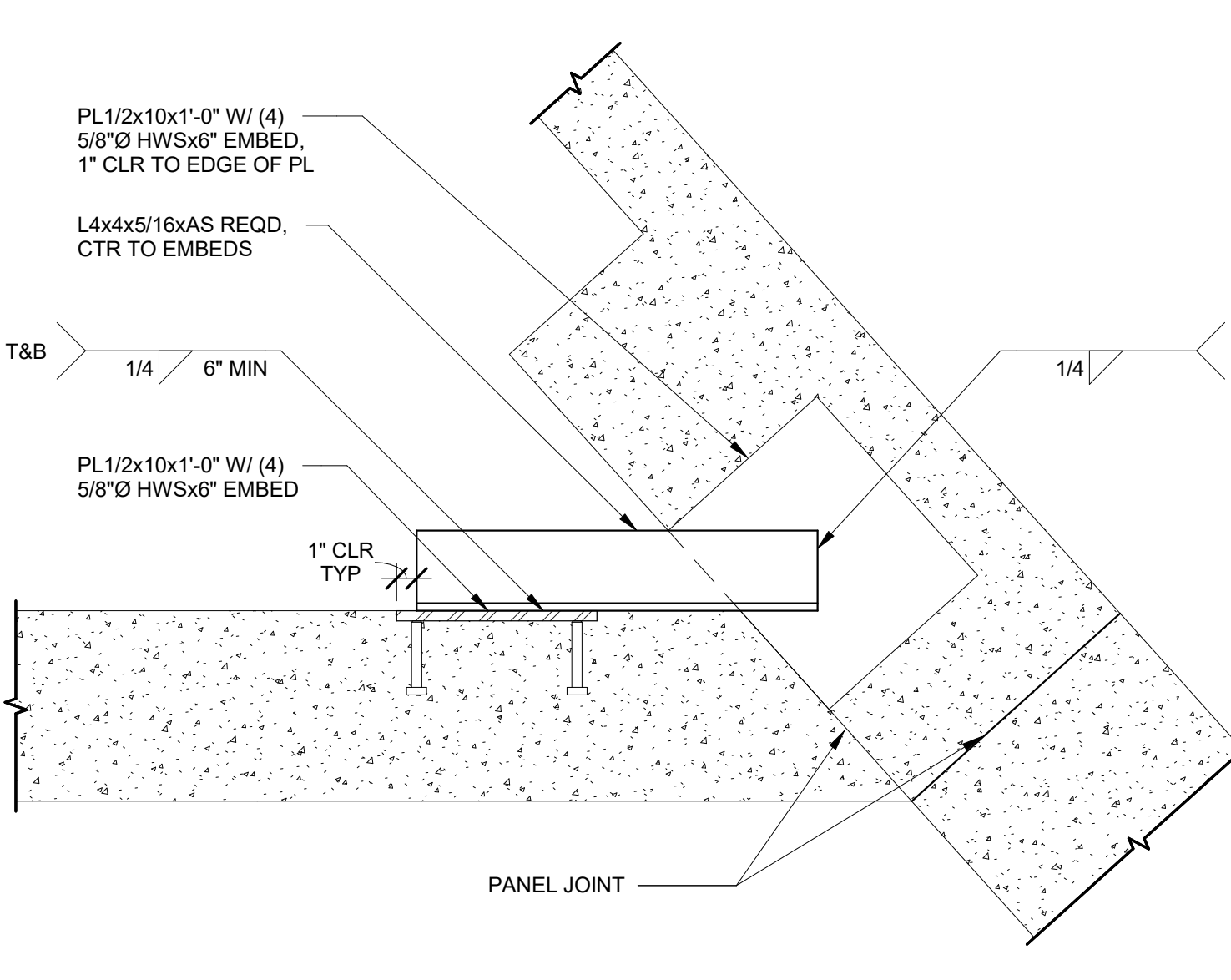
8 HSS TO PANEL CONN
1 1/2\"/>



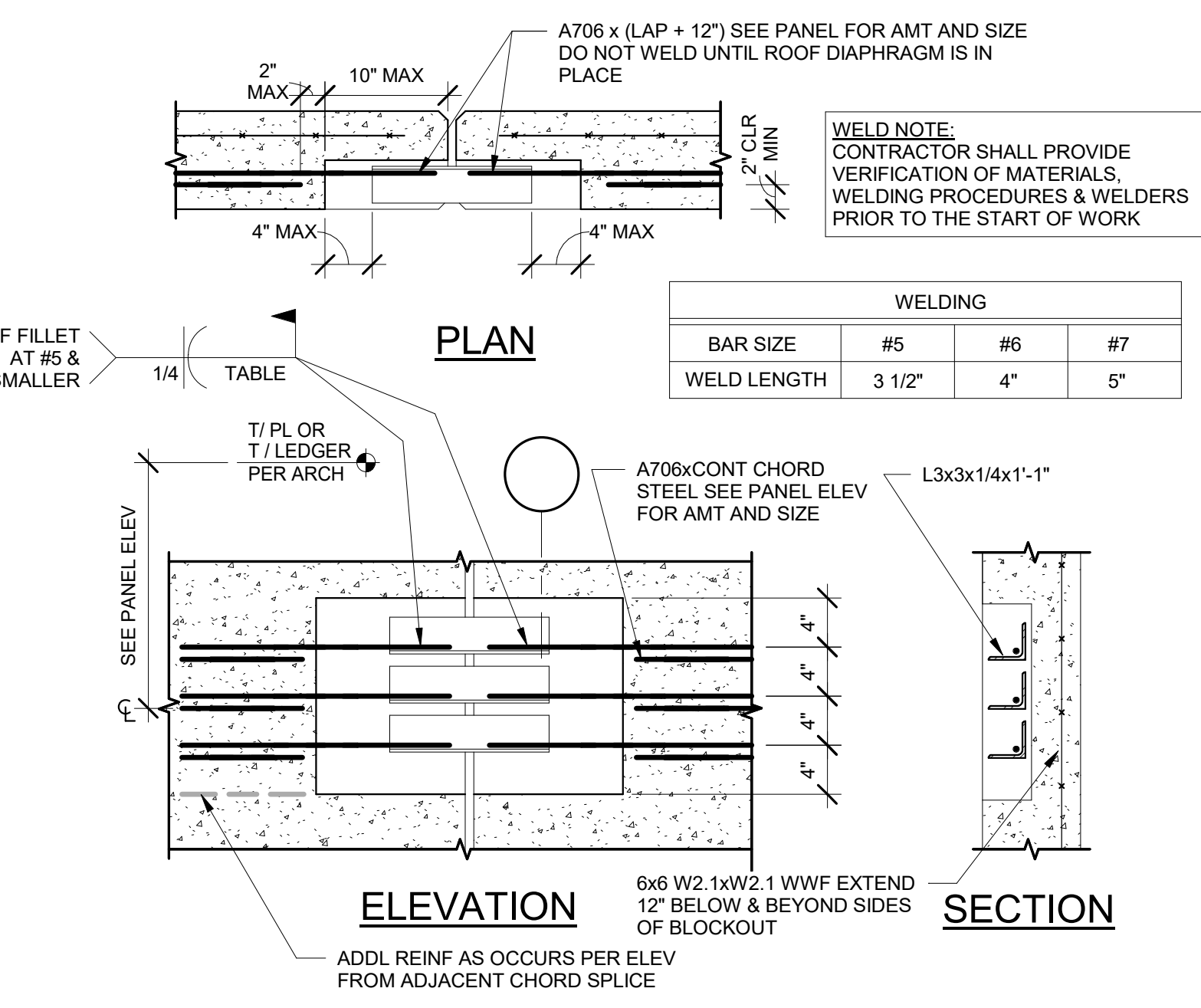
7 WELD EMBED / CONNECTIONS
3\"/>



6 COUPLING BEAM HOOP REINFORCING
1\"/>



14 TOP OF BLADE WALL CONN
1 1/2\"/>



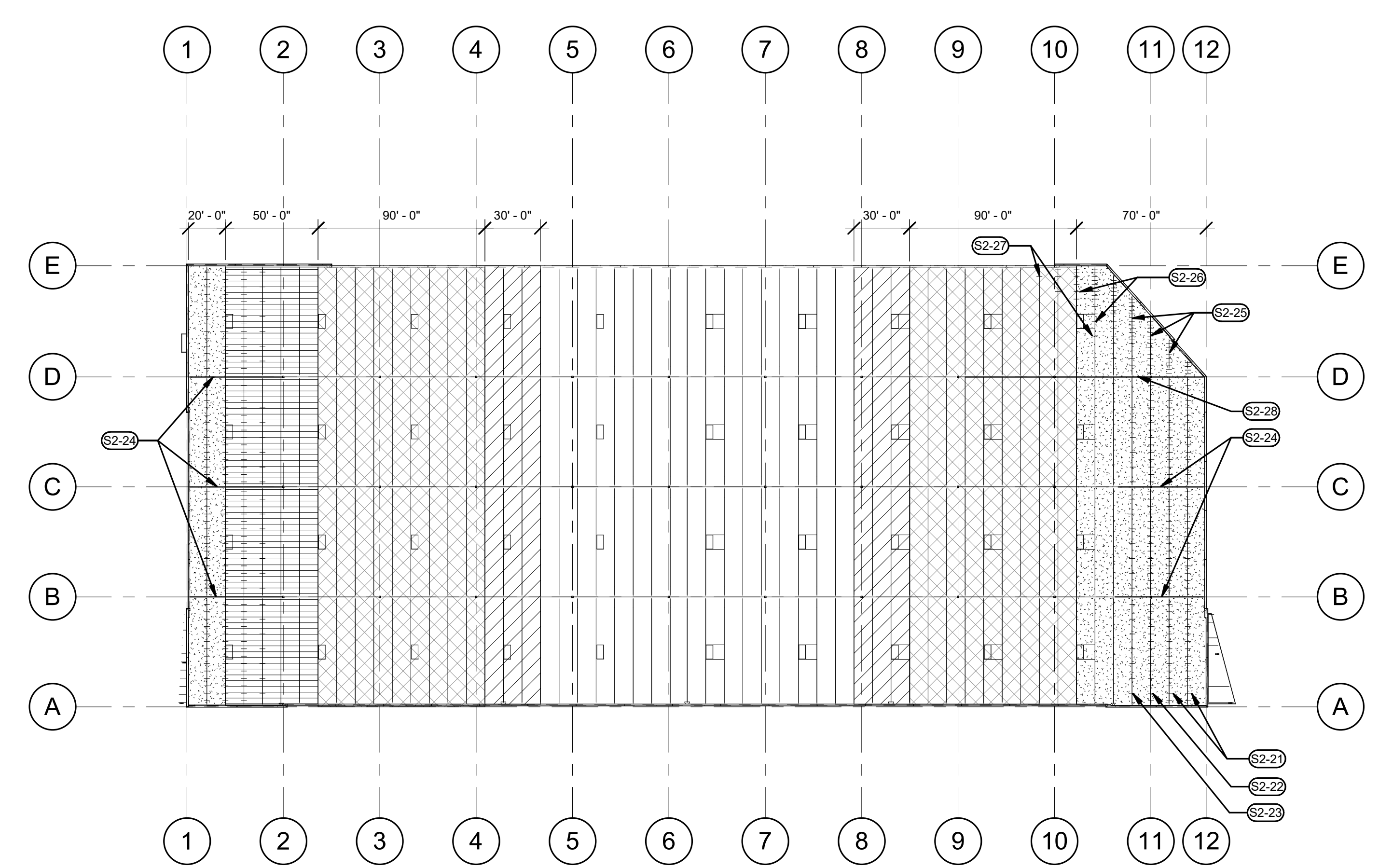
15 TYPICAL CHORD SPLICE (SFRS)
1 1/2\"/>

KEYNOTES

- S2-21 SIMPSON CMST12 COILED STRAPS @ 4'-0\"/>
- S2-22 SIMPSON MIST96 STRAPS @ 4'-0\"/>
- S2-23 SIMPSON MIST136 STRAPS @ 8'-0\"/>
- S2-24 NAIL GIRDER W/ 100 NAILS @ 1'-1/4\"/>
- S2-25 SIMPSON CMST14 COILED STRAPS @ 2'-0\"/>
- S2-26 SIMPSON MIST148 STRAPS @ 4'-0\"/>
- S2-27 SIMPSON MIST148 STRAPS @ 6'-0\"/>
- S2-28 NAIL GIRDER W/ 100 NAILS @ 1'-1/4\"/>

LEGEND

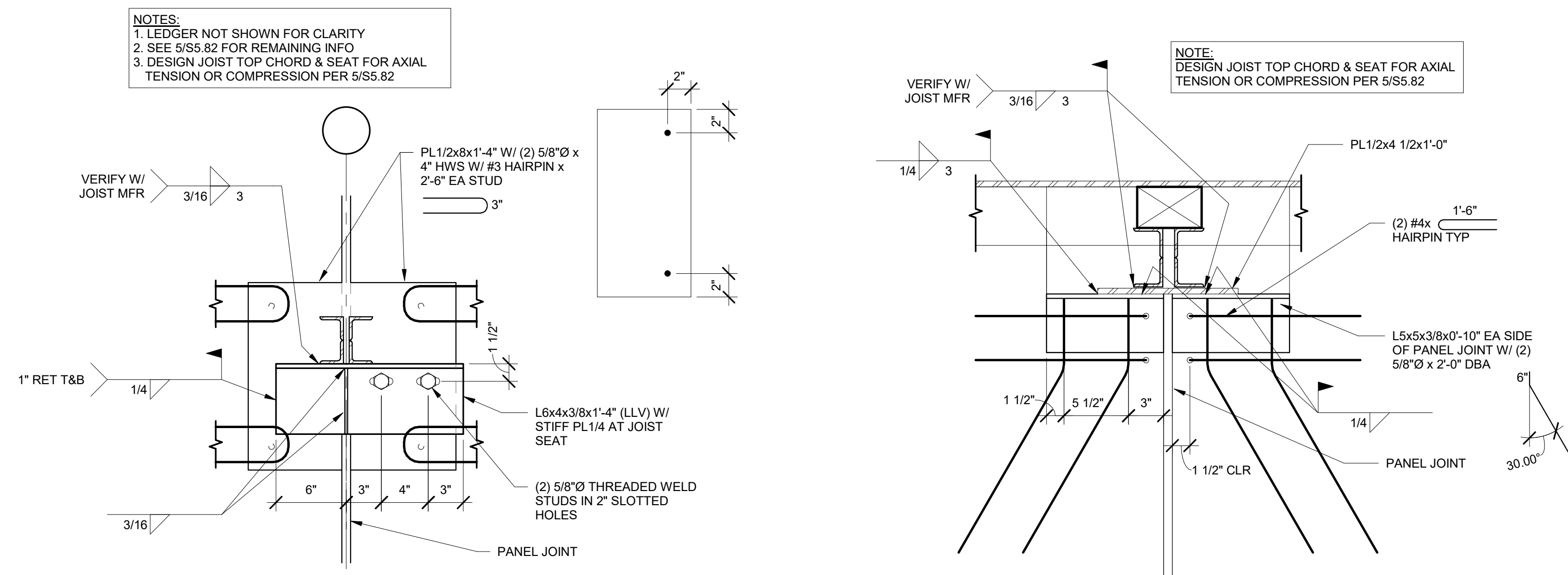
- 10x1 @ 2 1/2\"/>
- 10x1 @ 4\"/>
- 10x1 @ 2 1/2\"/>
- 10x1 @ 4\"/>
- 10x1 @ 8\"/>



16 NAILING AND STRAPPING PLAN
1\"/>

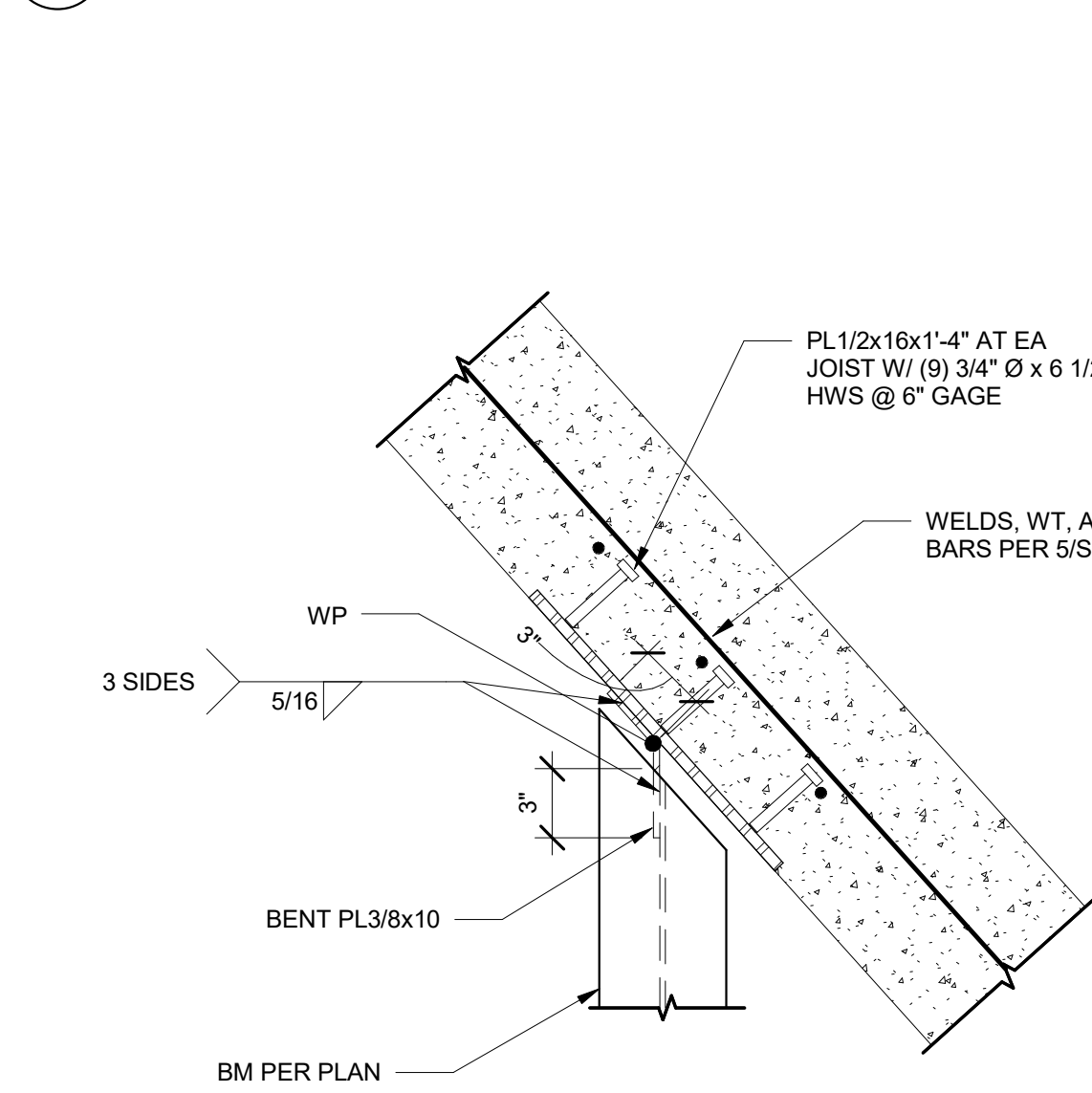
19 PANEL END TO END
1\"/>

20 OUTSIDE CORNER
1\"/>

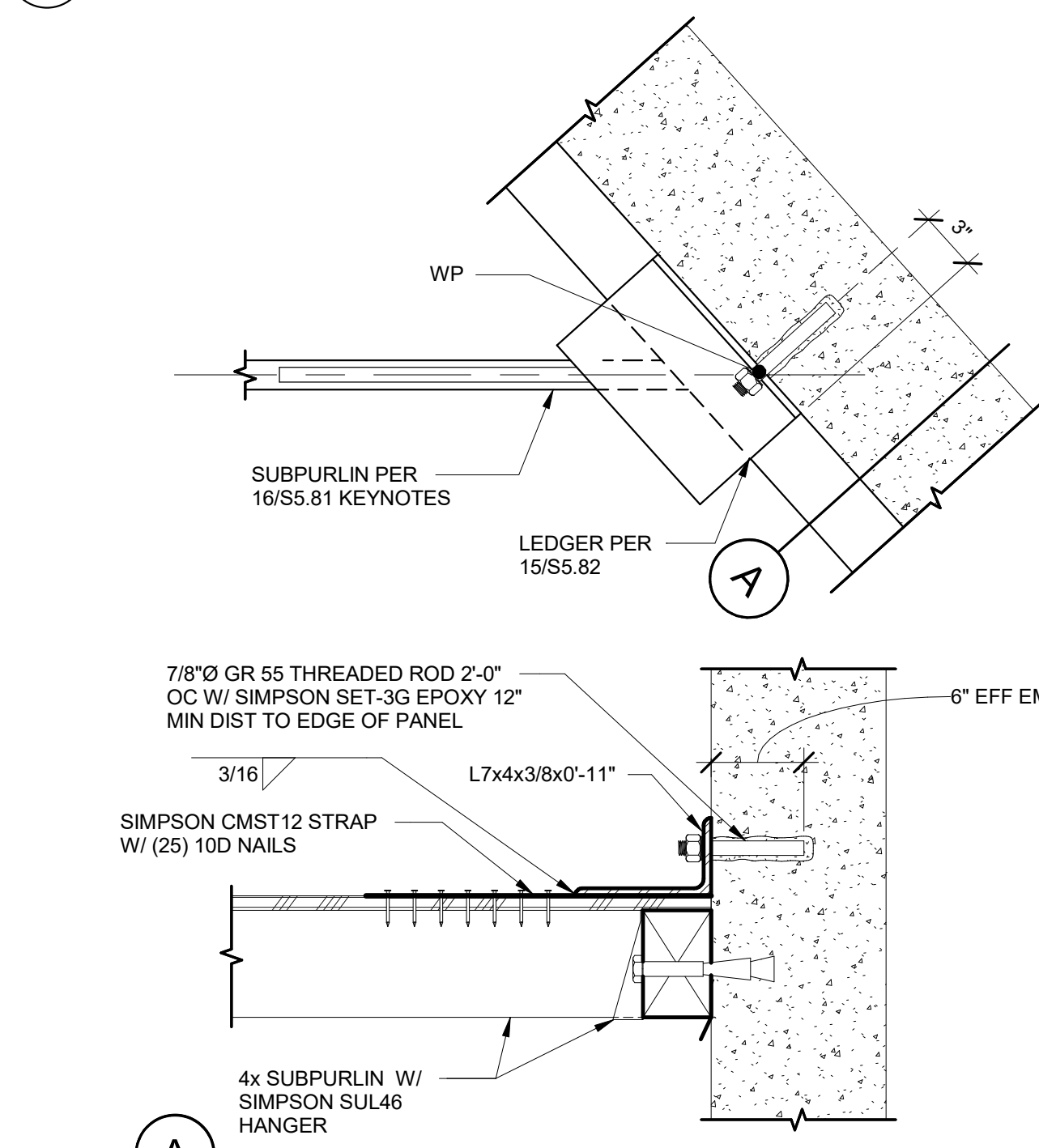


1 JOIST AT PANEL JOINT
1 1/2" = 1'-0"

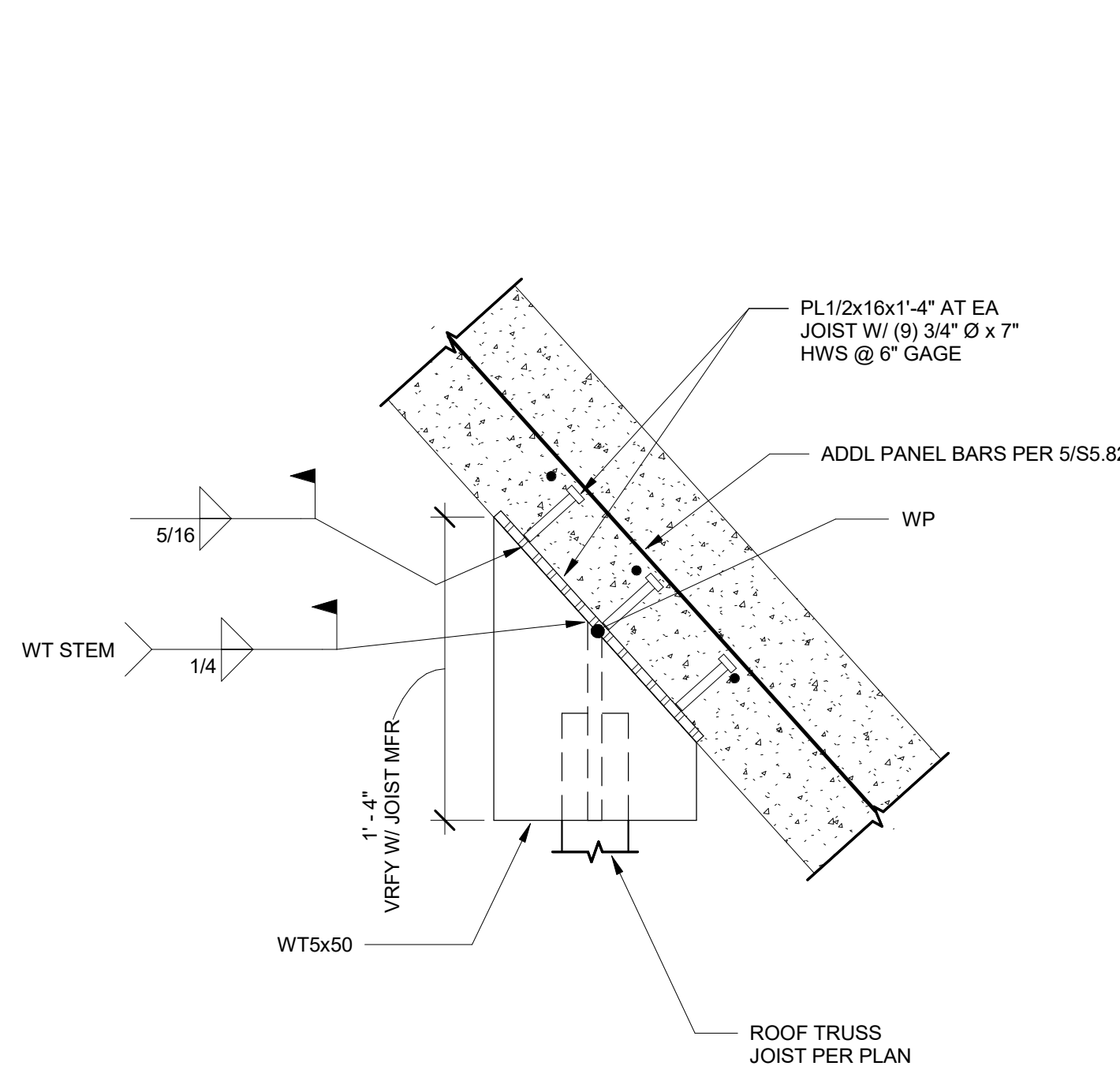
2 JOIST BEARING AT PANEL JOINT
1 1/2" = 1'-0"



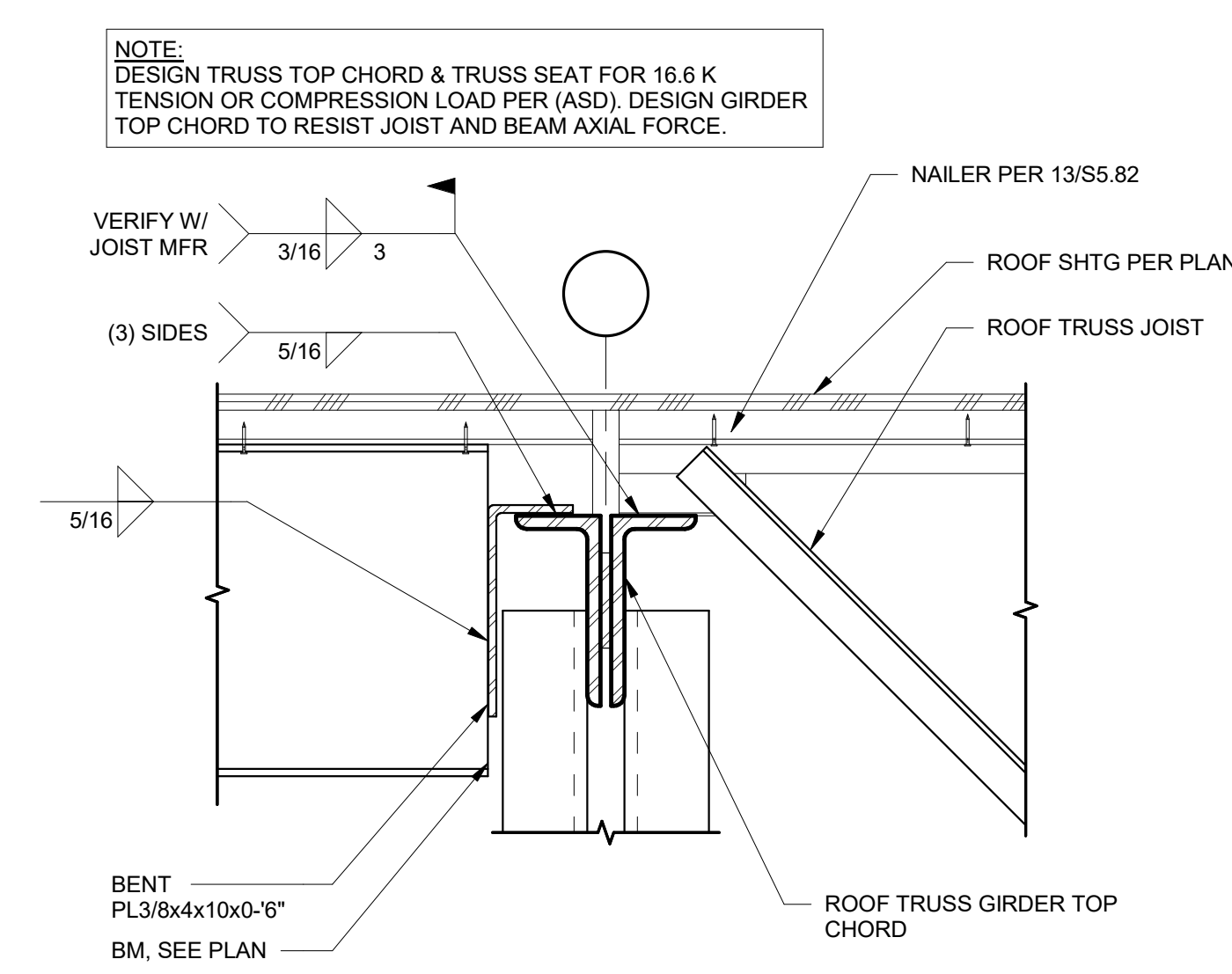
6 BEAM AT SKEWED WALL
1 1/2" = 1'-0"



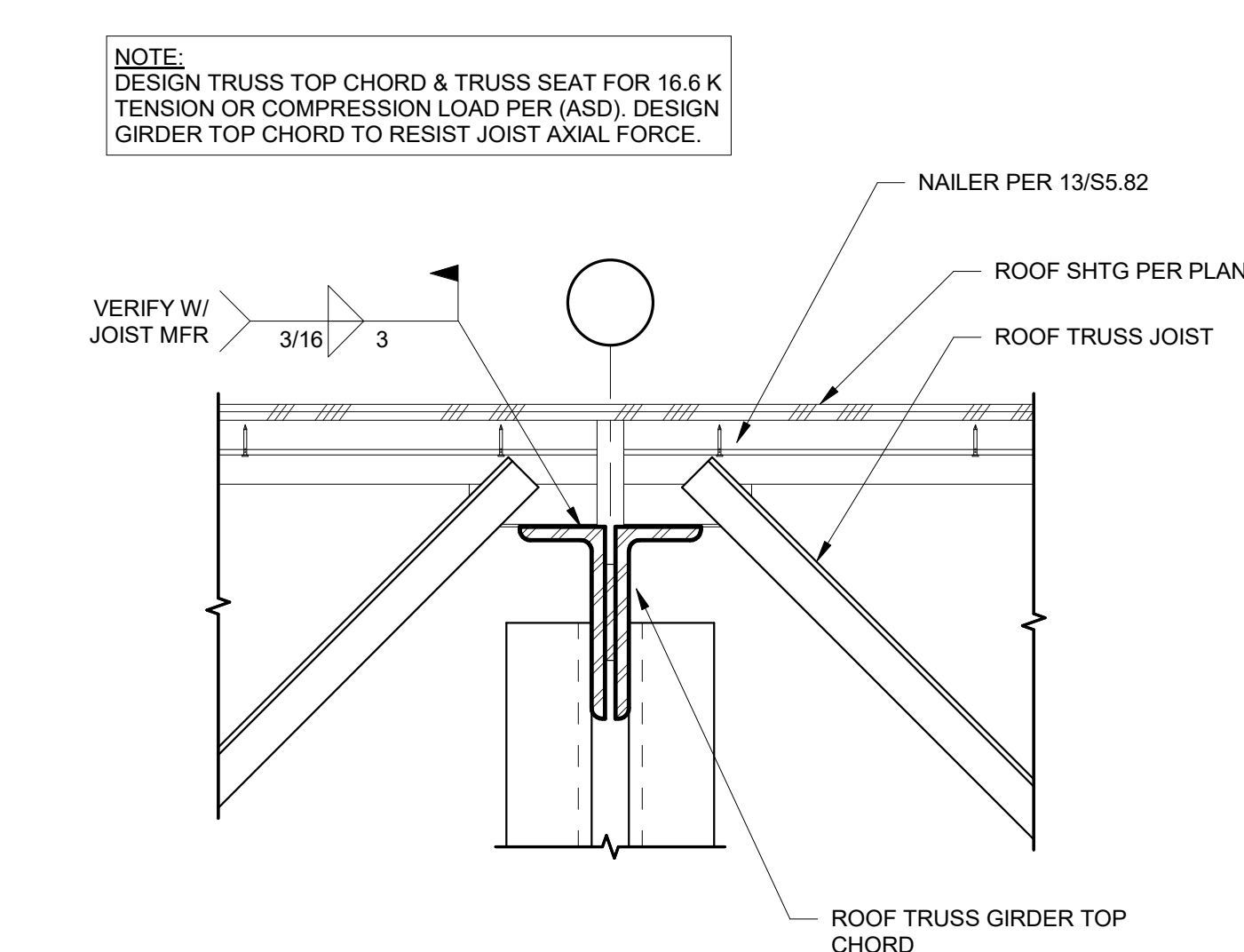
7 SUBPURLIN TO SKEWED WALL
1 1/2" = 1'-0"



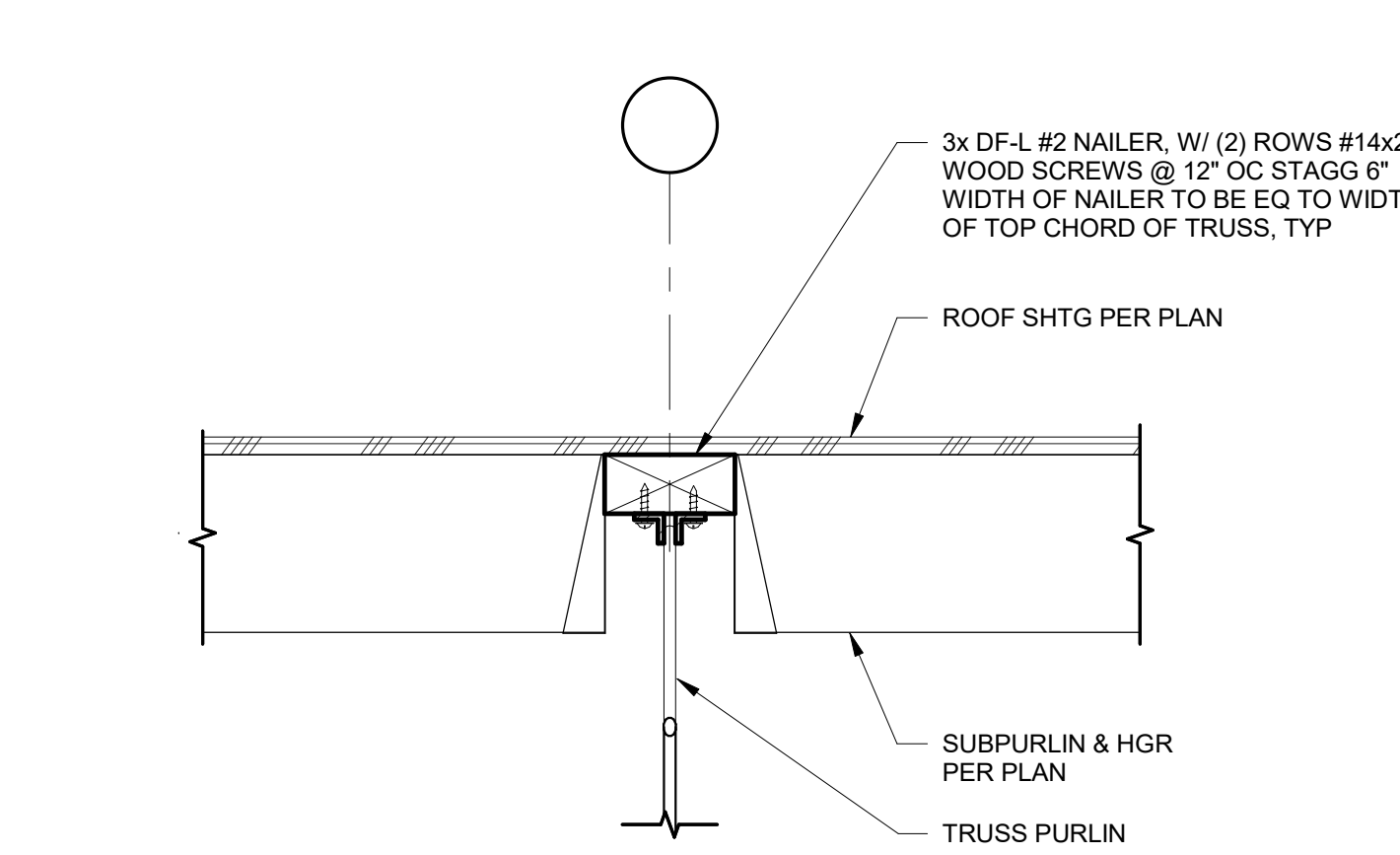
8 JOIST AT SKEWED WALL
1 1/2" = 1'-0"



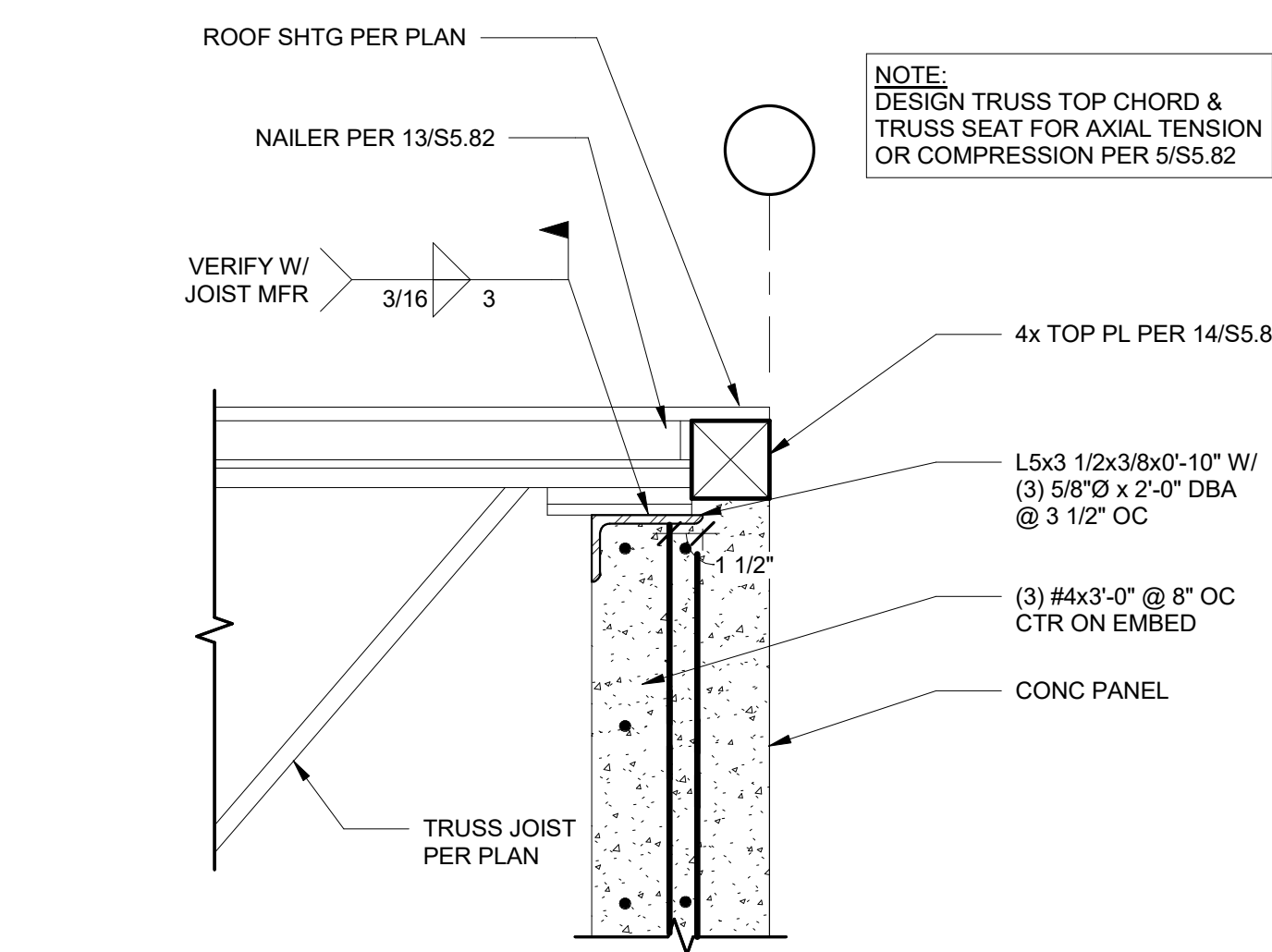
11 JOIST & BEAM FRAMING TO GIRDER
1 1/2" = 1'-0"



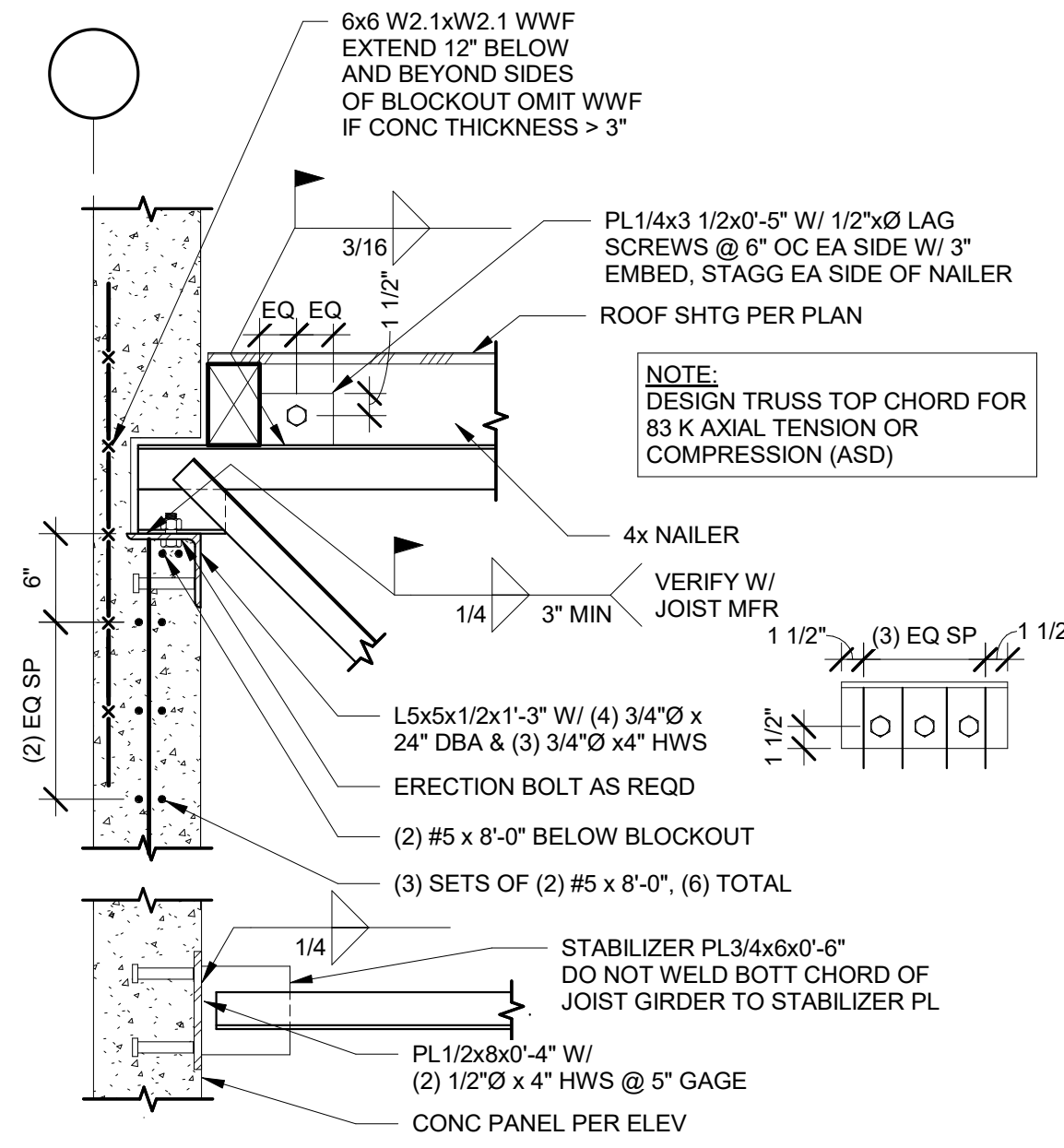
12 JOIST ACROSS GIRDER
1 1/2" = 1'-0"



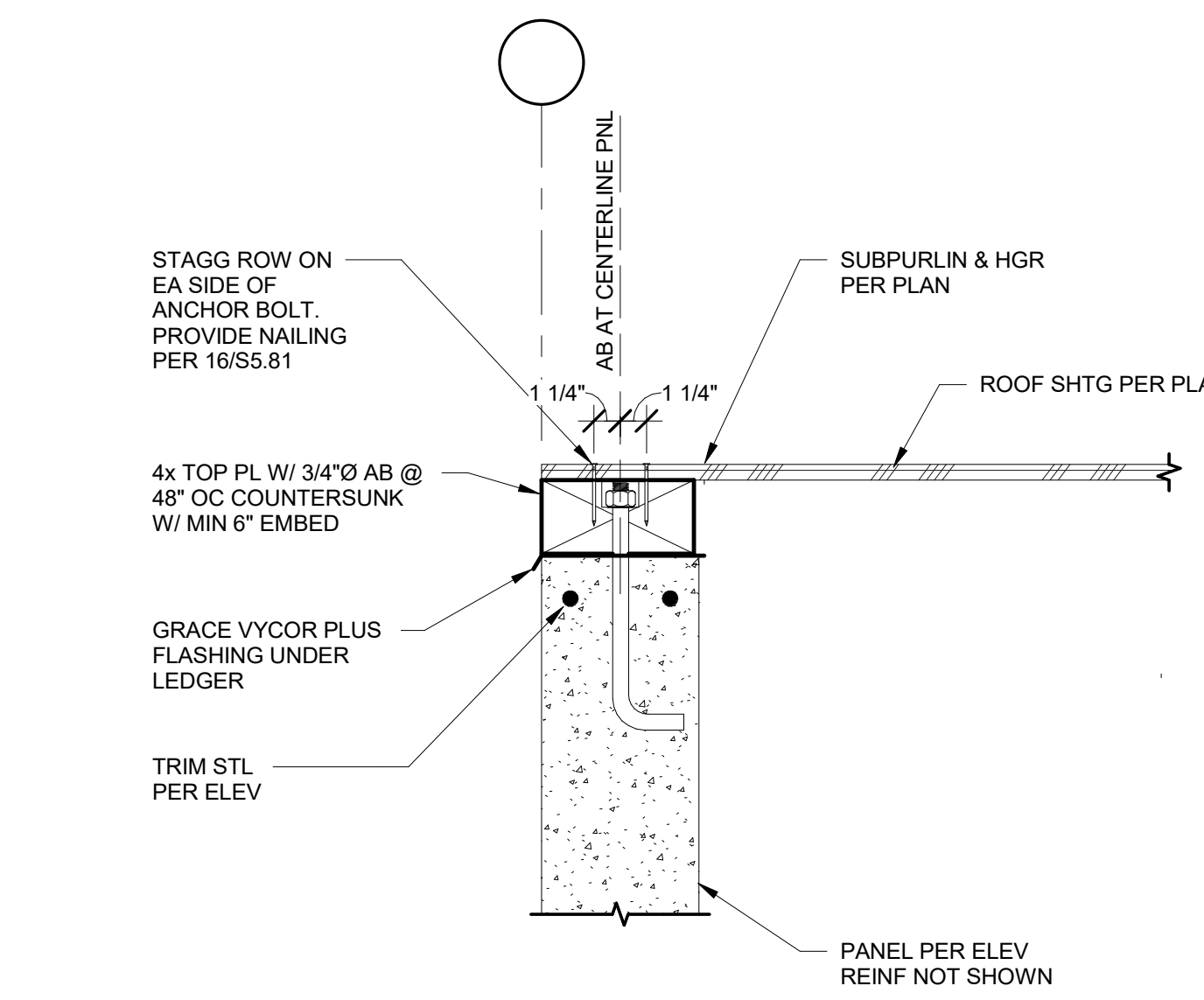
13 SUBPURLIN AT PURLIN
1 1/2" = 1'-0"



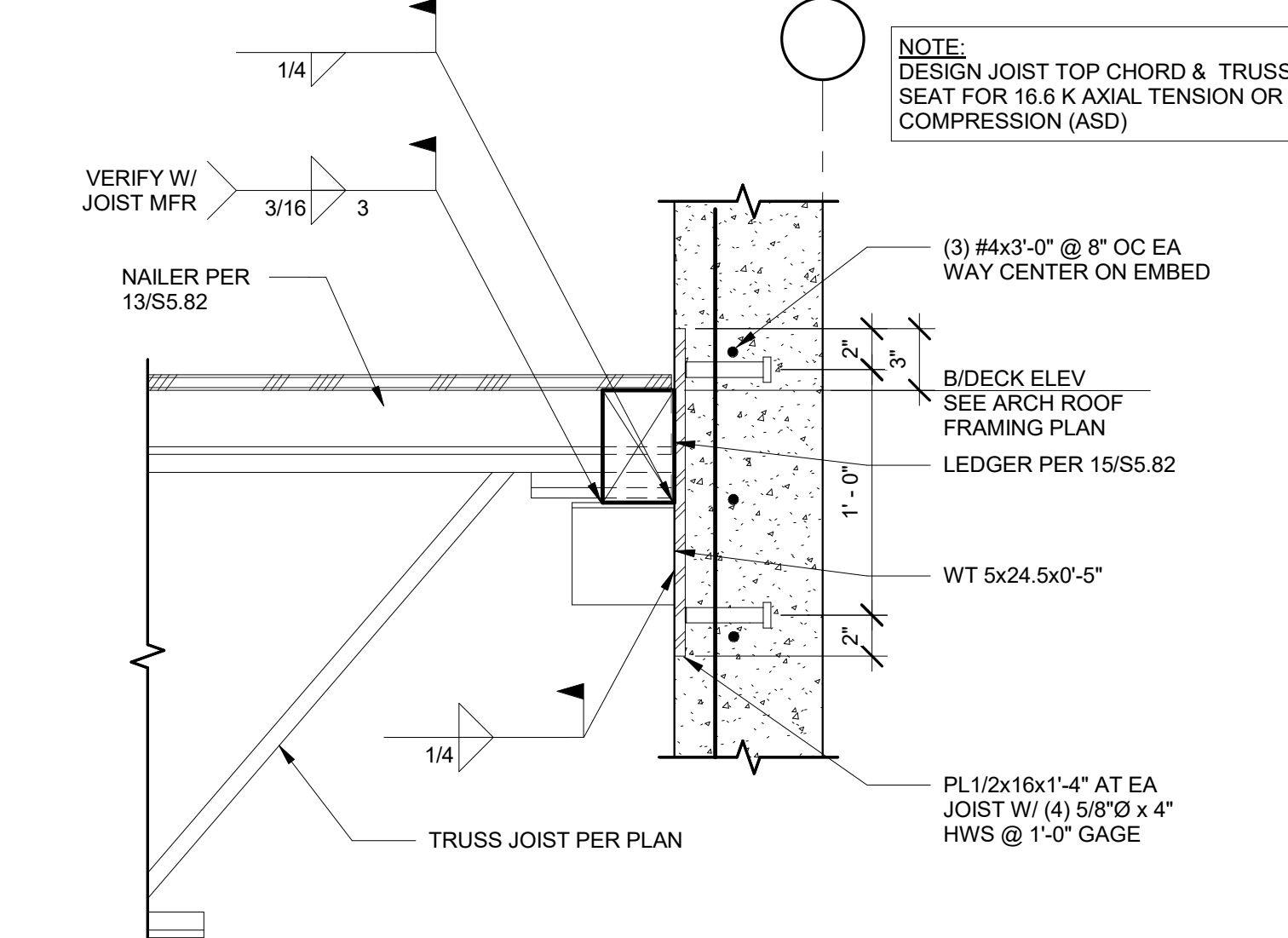
4 JOIST CONNECTION AT TOP PLATE
1 1/2" = 1'-0"



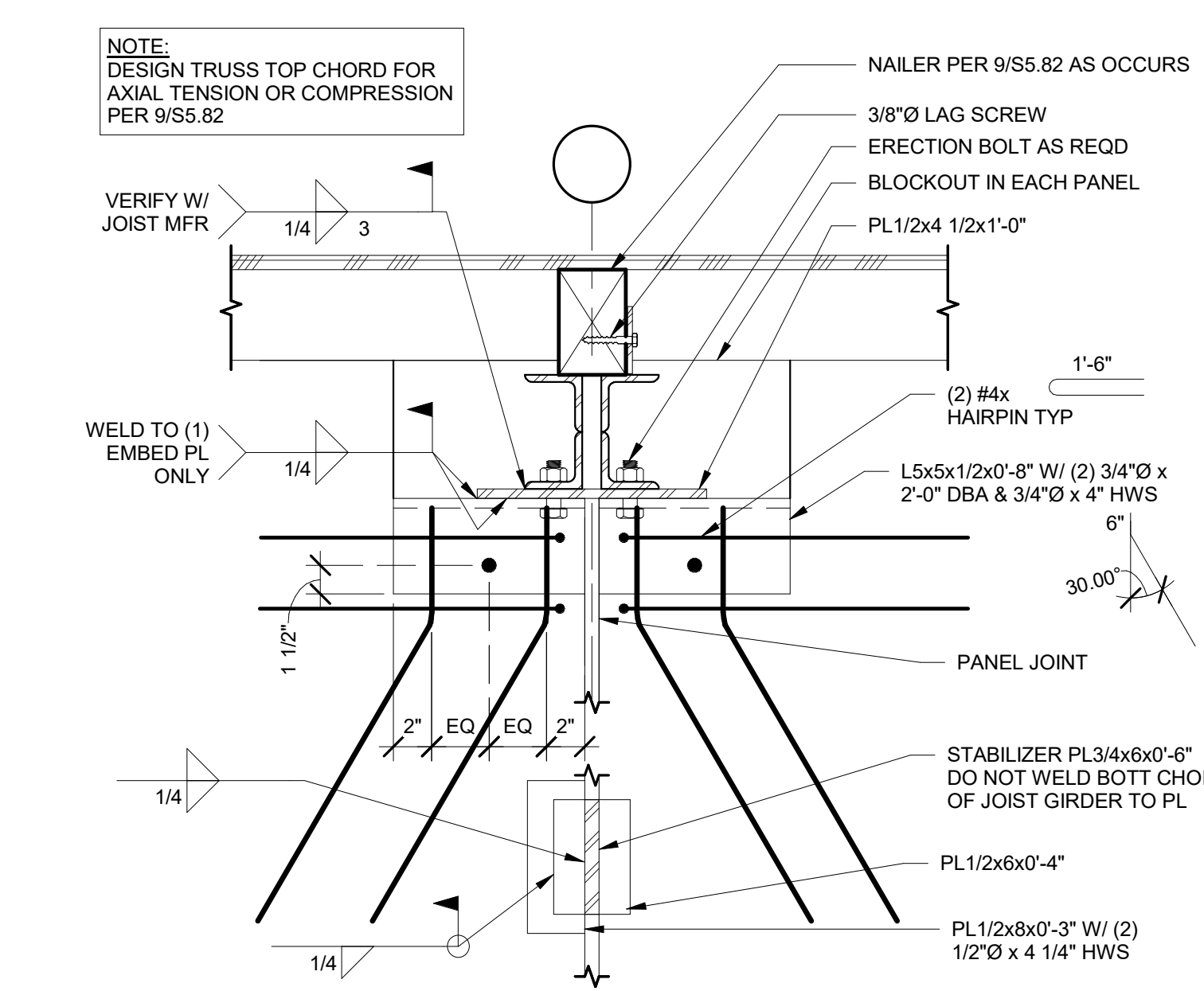
9 TRUSS GIRDER TO PANEL CONNECTION
1" = 1'-0"



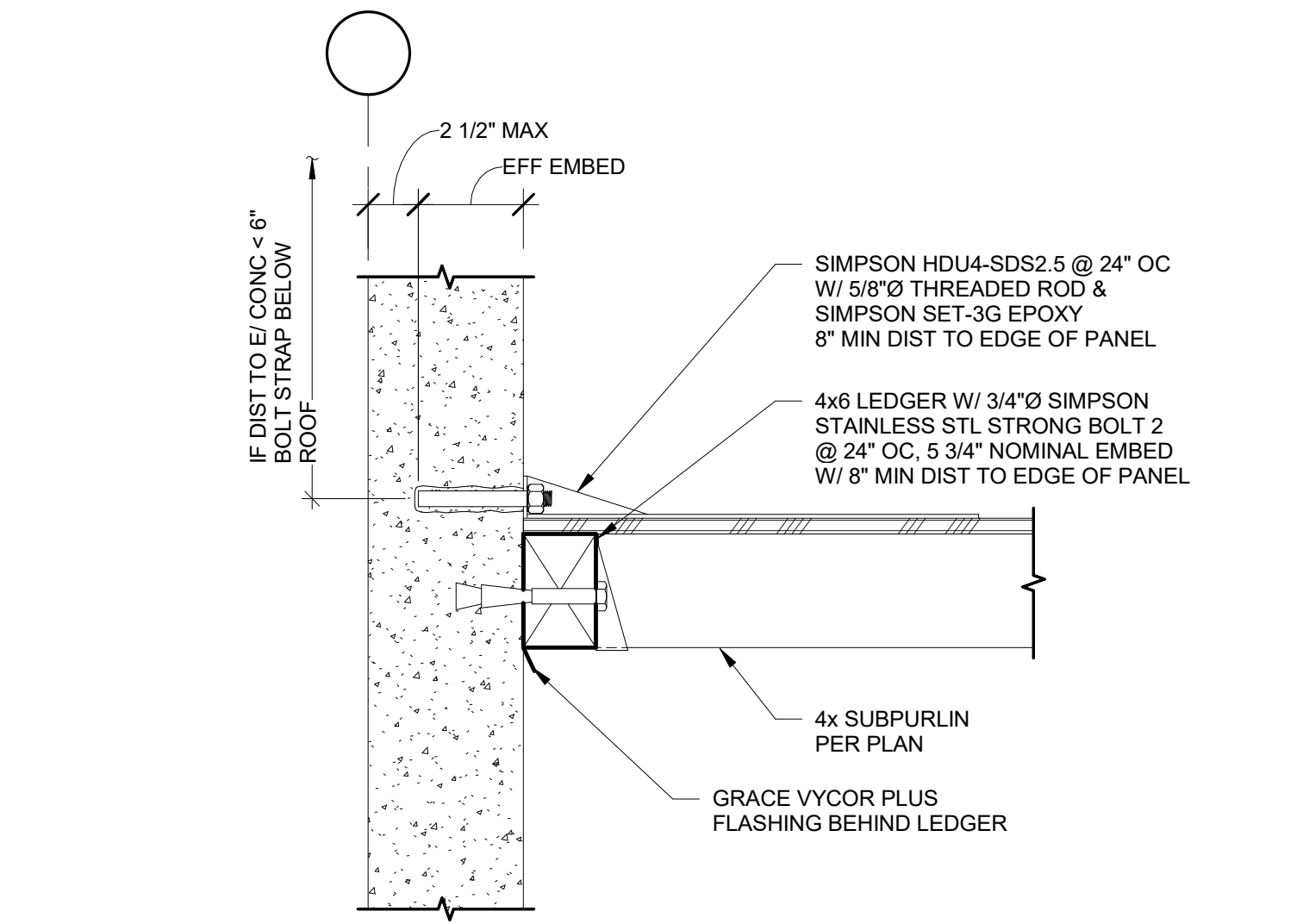
14 TOP PLATE CONNECTION
1 1/2" = 1'-0"



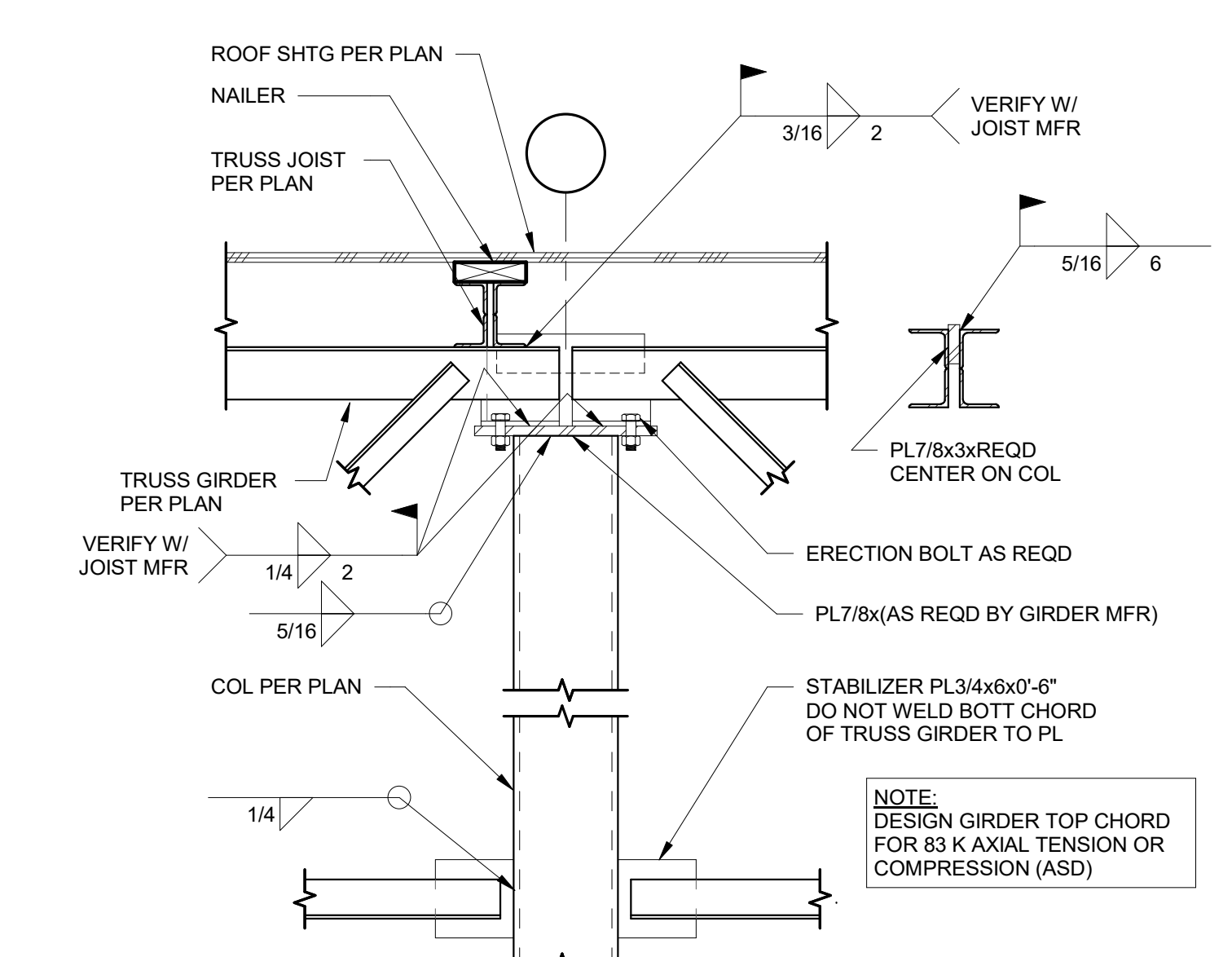
5 JOIST AT WALL
1 1/2" = 1'-0"



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



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

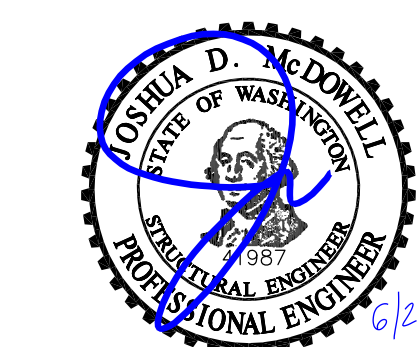


20 TRUSS GIRDER AT COLUMN
1" = 1'-0"

Project

240 15TH ST SE
PUYALLUP, WA 98372

Mechanical/Electrical

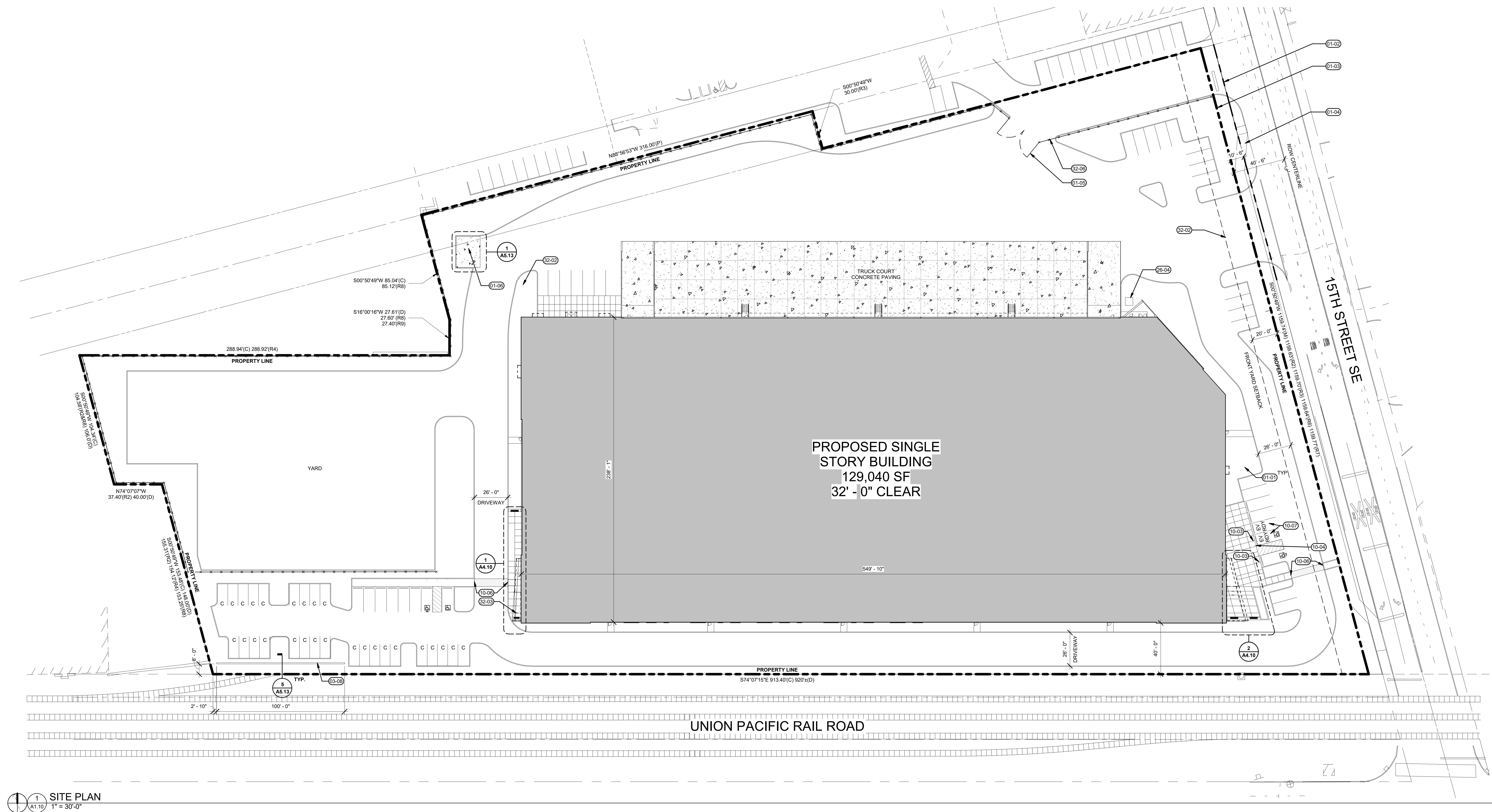


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SHEET TITLE:
TILT DETAILS

SHEET



7031
REGISTERED
ARCHITECT
BRETT TIMOTHY SAWAY
STATE OF WASHINGTON

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[illegible]

ET TITLE:

ITE PLAN

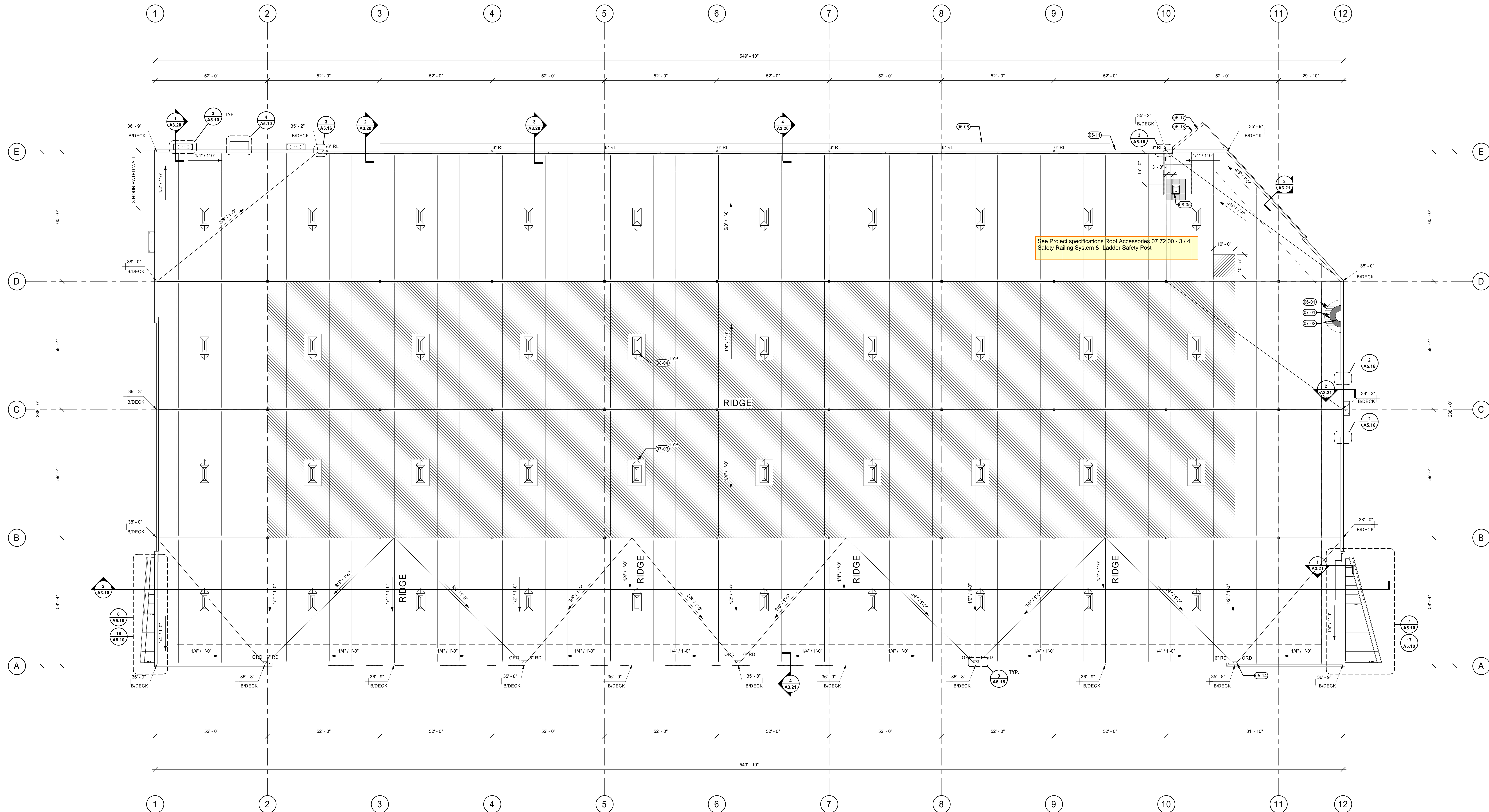
ET

A1.10

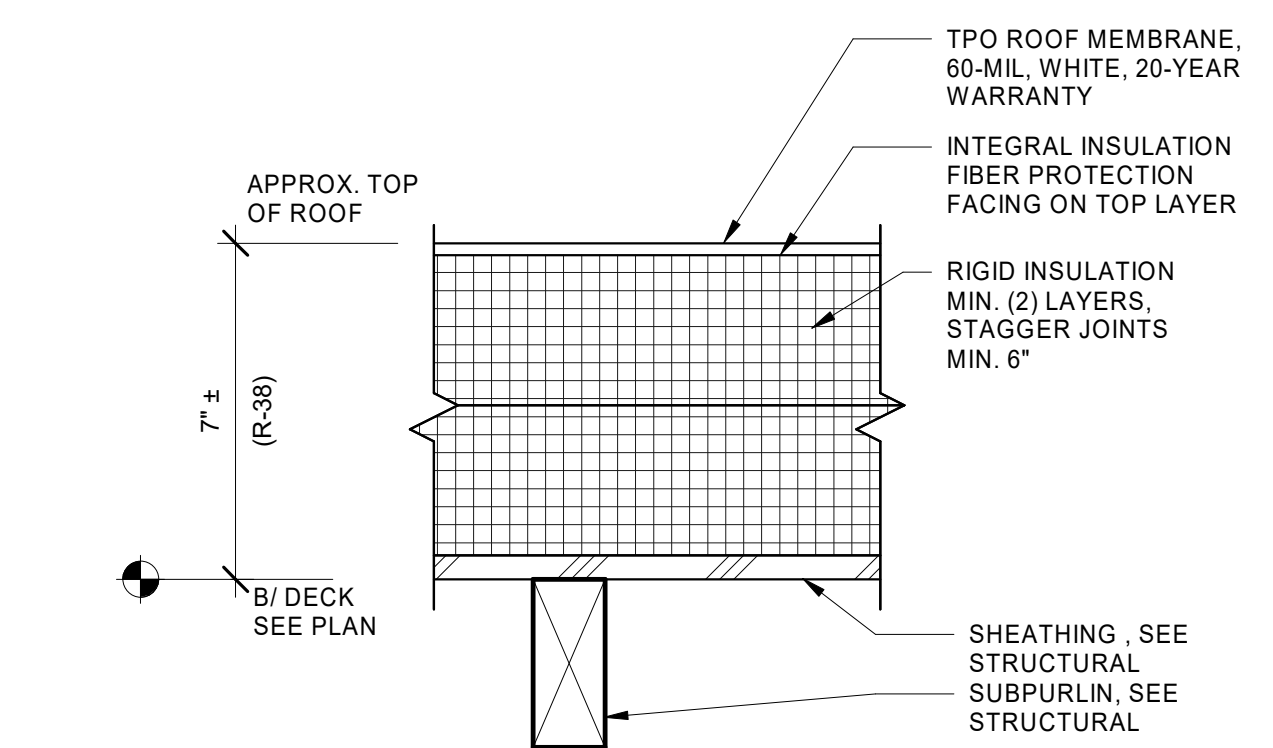
NO. 2220290 00

PERMIT SET 6/28/2023
Autodesk Docs://Fortress-Pivallup/280-Fortress-Pivallup-V23-A.rvt 6/28/2023 8:12:20 AM 1" = 30.0'





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



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

GENERAL NOTES

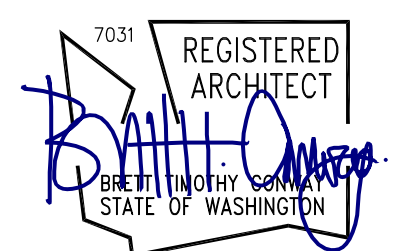
- MAINTAIN 1/2" PER FOOT MINIMUM SLOPE THROUGHOUT ROOF.
- ALL ROOF ELEVATIONS TO BOTTOM OF DECK.
- WALKWAY PADS ARE SHOWN SCHEMATICALLY. WALKWAY PADS SHOULD BE PROVIDED AT AREAS SHOWN AND TO INCLUDE ALL EQUIPMENT INSTALLATIONS, DOORWAYS, STAIR/LADDER LANDINGS, AND OTHER AREAS REQUIRING REGULAR MAINTENANCE.
- 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.
- PROVIDE SPLASHBLOCKS AT DOWNSPOUTS OF ALL ROOF ACCESSORY STRUCTURES.
- SEE DETAIL 2/A5.17 FOR PIPE/CONDUIT PENETRATIONS.
- SEE DETAIL 3/A5.17 FOR MECHANICAL UNIT CURBS.

KEYNOTES

- | | |
|-------|---|
| 05-06 | BIDDER/DESIGN: DOCK DOOR CANOPY. SEE DETAILS 14, 15, & 16 ON SHEET A5.14. |
| 05-11 | SHEET METAL GUTTER, PAINT. SEE DETAIL 3/A5.16. |
| 05-14 | DOWNSPOUT OVERFLOW. SEE DETAIL 11/A5.16. |
| 05-17 | STEEL KICKER PER STRUCTURAL. |
| 05-18 | METAL PANEL PAINT. |
| 06-01 | WOOD DECKING. SEE STRUCTURAL DRAWINGS. |
| 07-01 | RIGID INSULATION. SEE DETAIL 2/A1.12. |
| 07-02 | TPO SINGLE PLY ROOFING SYSTEM OVER INSULATION. SEE DETAIL 2/A1.12. |
| 07-03 | CRICKET AS REQUIRED FOR MIN. 1/4" PER FOOT SLOPE. SEE DETAIL 6/A5.16. |
| 08-04 | 4" X 8" SKYLIGHT. SEE DETAIL 6/A5.16. |
| 08-05 | ROOF HATCH ACCESS. SEE DETAIL 6/A5.17. |

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 DESIGNED TO BE THE SOLAR ZONE AND READY FOR FUTURE PHOTOVOLTAIC OR SOLAR WATER HEATING SOLUTIONS. (150,000 SF ± 40% = 51,104 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 ± 2 = 102 SF)
- WALK PAD



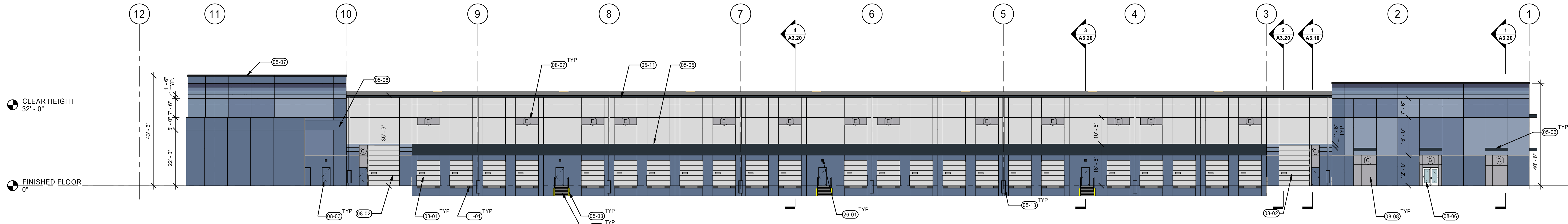
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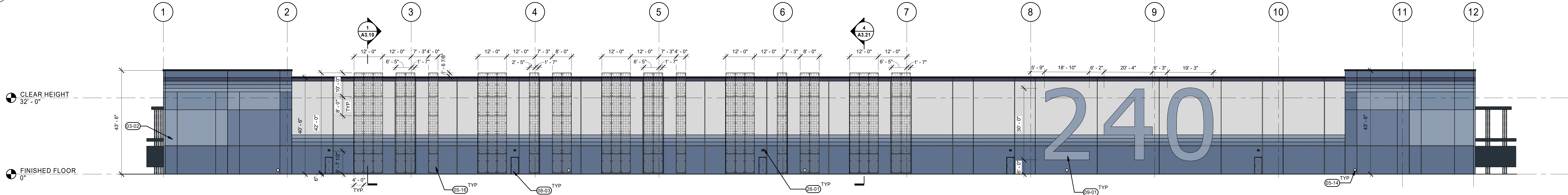
SHEET TITLE:
ROOF PLAN

SHEET

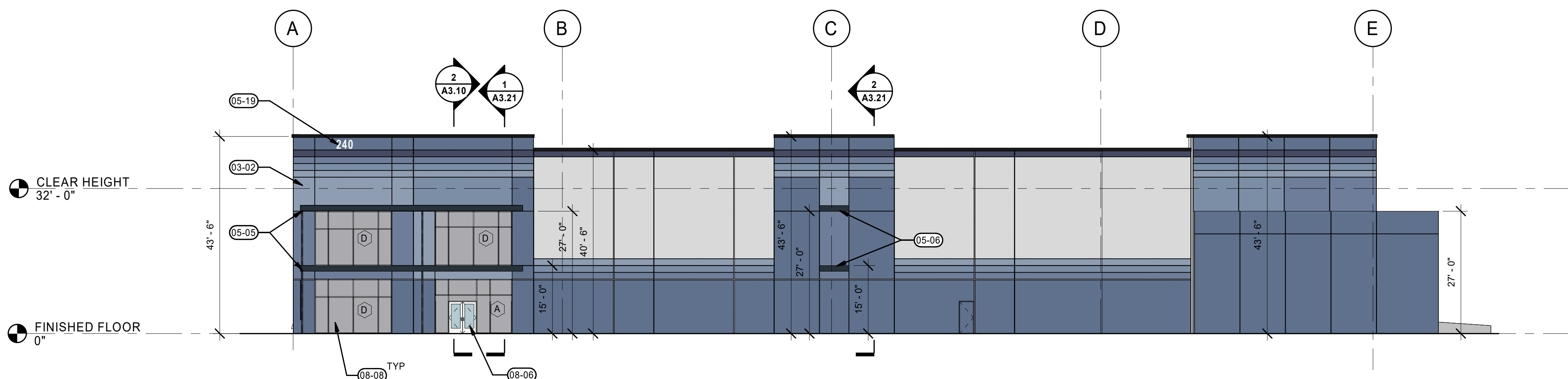
A1.12



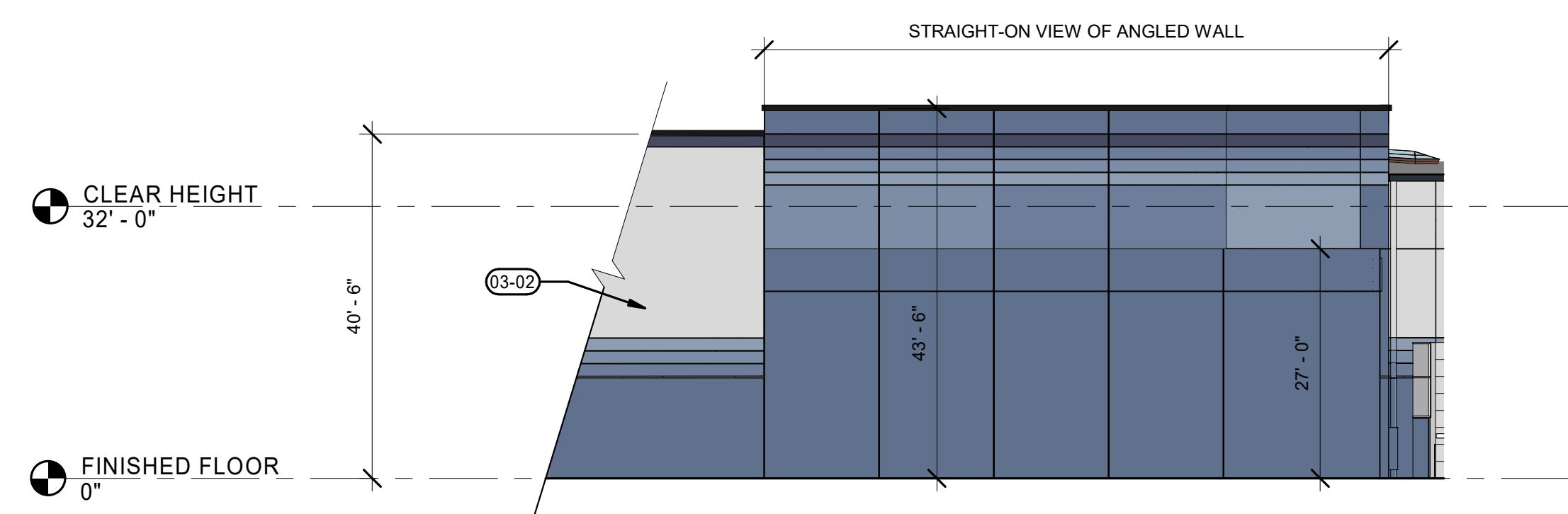
1 NORTH ELEVATION
A2.11 1/16" = 1'-0"



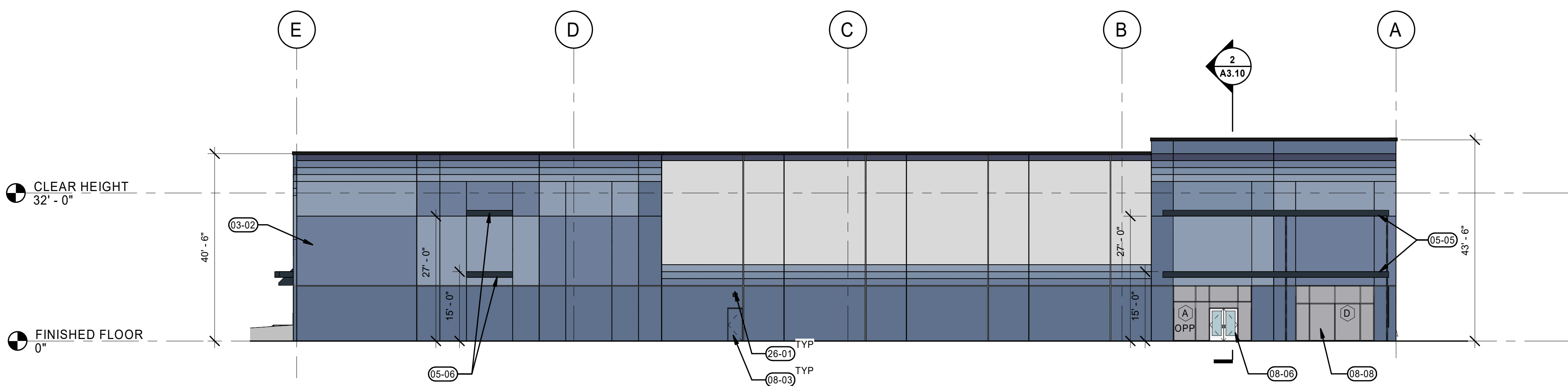
2 SOUTH ELEVATION
A2.11 1/16" = 1'-0"



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"

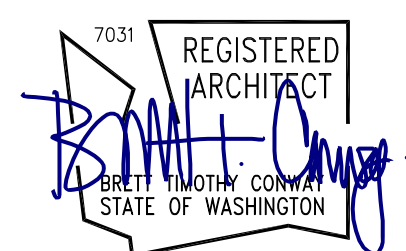
KEYNOTES

- 03-02 TILT-UP CONCRETE WALL. SEE STRUCTURAL. NO PAINT ON INTERIOR WALL.
- 05-03 BOLLARD. SEE DETAIL 15A5.13.
- 05-04 STEEL ACCESS STAIR, BY DESIGN BUILD.
- 05-05 METAL CANOPY. SEE SHEET DETAILS 9, 15, 18, & 19 ON SHEET A5.10.
- 05-06 METAL ACCENT DETAIL PROJECTING FROM WALL. SEE DETAILS 9, 13, & 18 ON SHEET A5.10.
- 05-07 METAL COPING. SEE DETAIL 1A5.16.
- 05-08 BIDDER/DESIGN: DOCK DOOR CANOPY. SEE DETAILS 14, 15, & 16 ON SHEET A5.14.
- 05-11 SHEET METAL GUTTER. PAINT. SEE DETAIL 3A5.16.
- 05-16 FIRE DEPARTMENT BUILDING ADDRESS. 24' TALL AND 1/2" THICK METAL LETTERS. COLOR WHITE.
- 05-19 DOWNSPOUT GUARD. PAINT TO MATCH BUILDING BEHIND. SEE DETAIL 7A5.14.
- 05-14 DOWNSPOUT OVERFLOW. SEE DETAIL 11A5.16.
- 05-16 TRELLIS PANEL SYSTEM. SEE DETAIL 16A5.13.
- 05-19 INSULATED OVERHEAD DRIVE-IN DOOR. PAINT TO MATCH. SEE DOOR TYPES ON A6.10 FOR ADDITIONAL INFO.
- 08-01 INSULATED OVERHEAD DOOR. PAINT TO MATCH BUILDING. SEE DOOR TYPES ON A6.10 FOR ADDITIONAL INFO.
- 08-02 INSULATED HM DOOR. SEE DOOR TYPES ON A6.10 FOR ADDITIONAL INFO.
- 08-03 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

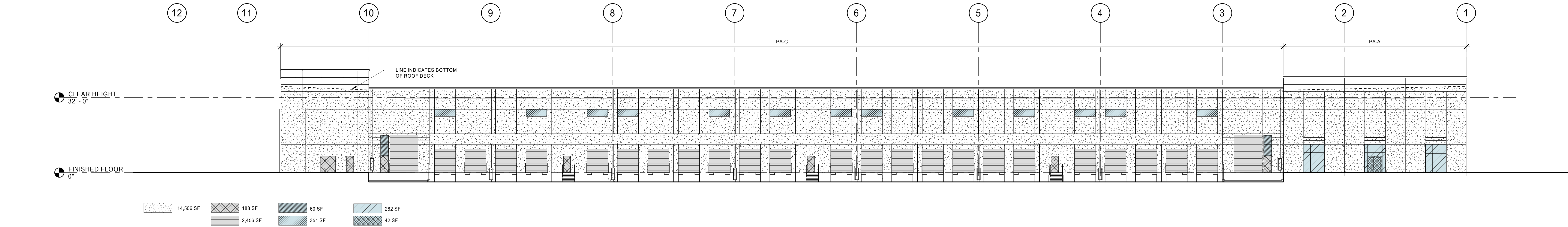
NOTE:
EXTERIOR WALL PAINT: LOXON XP OR ALTERNATE (ELASTOMERIC)



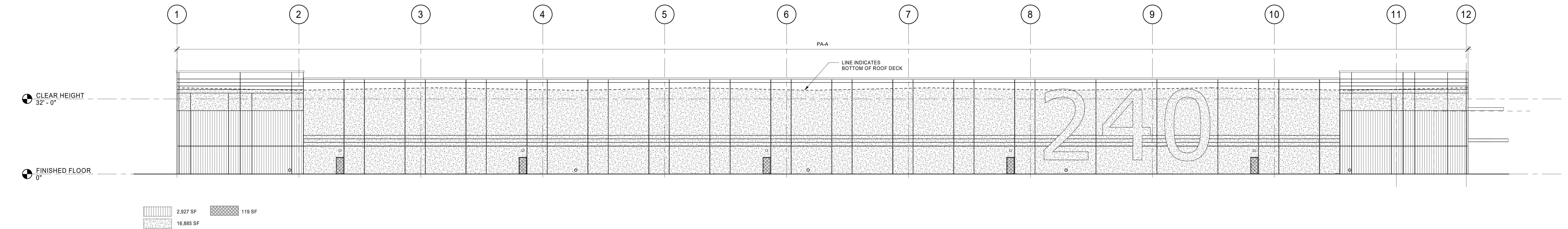
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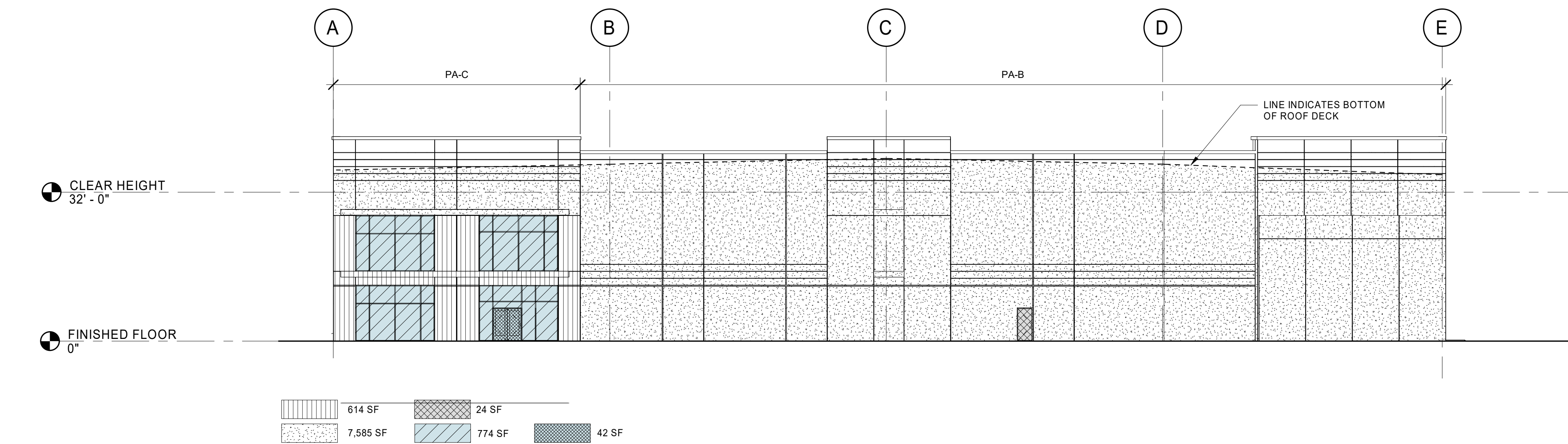
SHEET TITLE:
**BUILDING
ELEVATIONS**



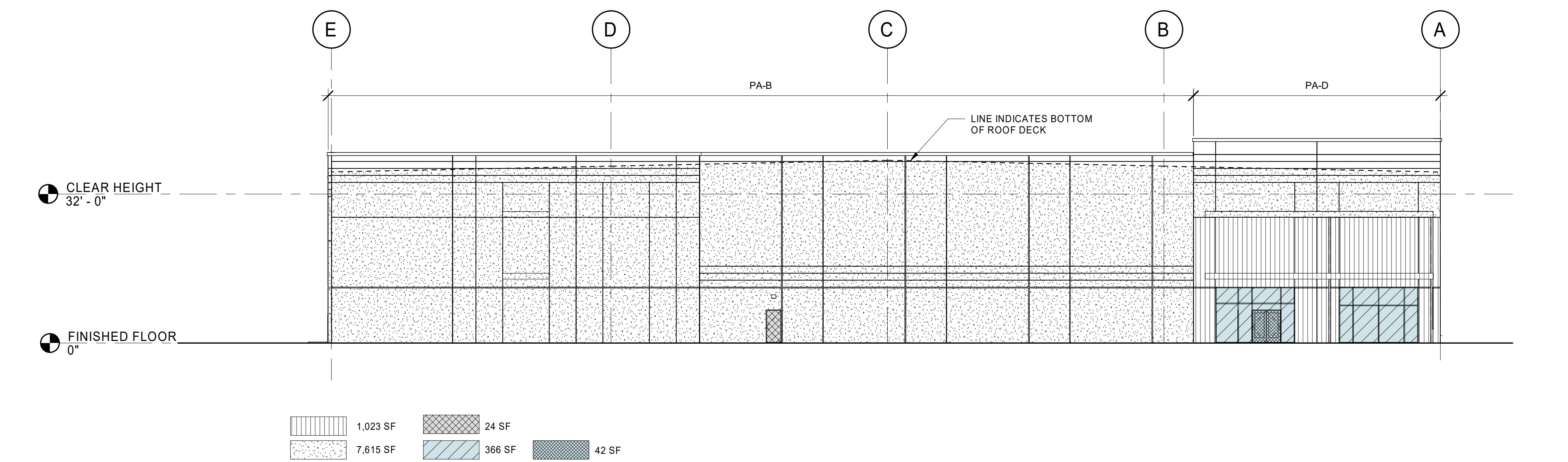
1 NORTH ELEVATION
A2.12 1/16" = 1'-0"



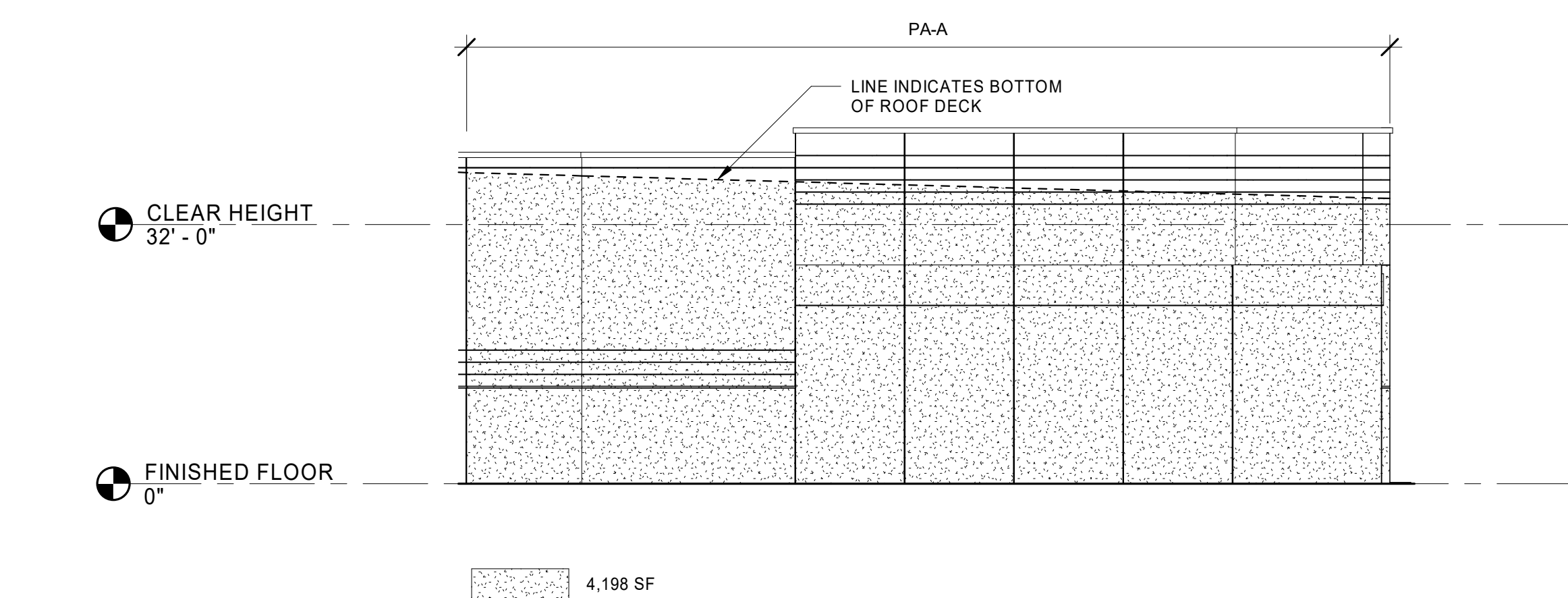
2 SOUTH ELEVATION
A2.12 1/16" = 1'-0"



3 EAST ELEVATION
A2.12 1/16" = 1'-0"



5 WEST ELEVATION
A2.12 1/16" = 1'-0"



4 NORTHEAST ELEVATION
A2.12 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 9-1/2" 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

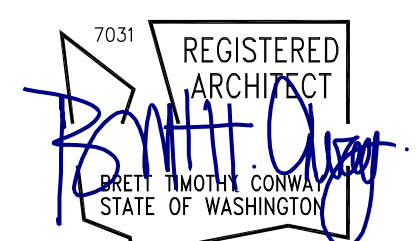
OVERHEAD DOOR: U=0.25
HW DOOR: U=0.37 MAX
GLASS: BASE U=0.29 SHGC=0.31
BASIS OF DESIGN: INSULATED SOLAR GREY W/ SOLARBAN 60, LOW E

ADJUSTED U (REDUCED FOR "ASSEMBLY VALUE")

GLASS AT STOREFRONT (91% GLASS)
U=0.38 MAX SHGC=0.295
GLASS AT TRANSOM (83.3% GLASS)
U=0.38 MAX SHGC=0.27
GLASS SF DOOR (89% 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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SHEET TITLE:
**BUILDING
INSULATION
ELEVATIONS**

SHEET

A2.12

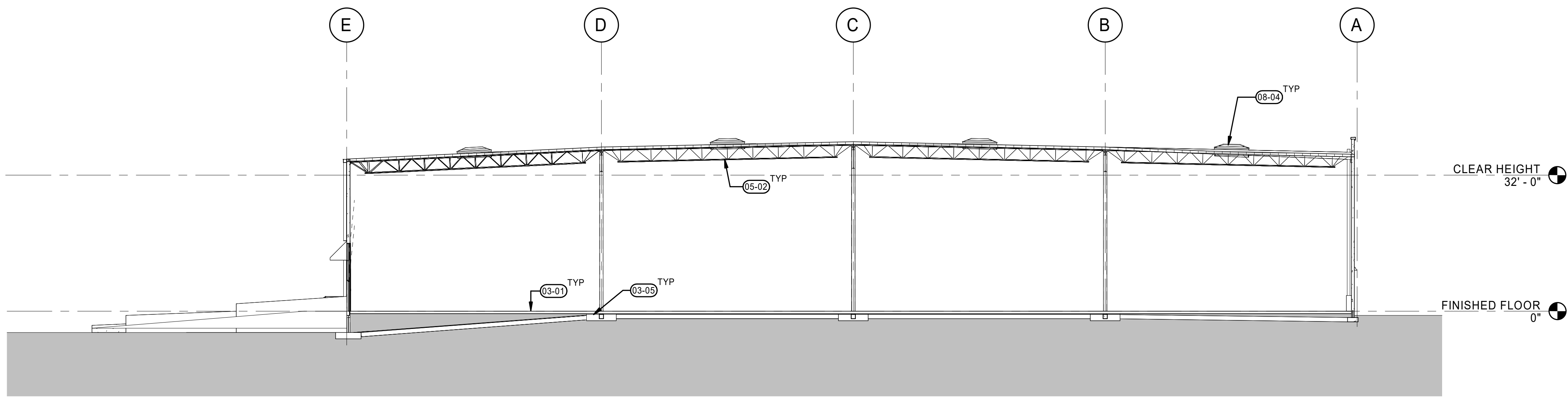
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SHEET TITLE:
**BUILDING
SECTIONS**

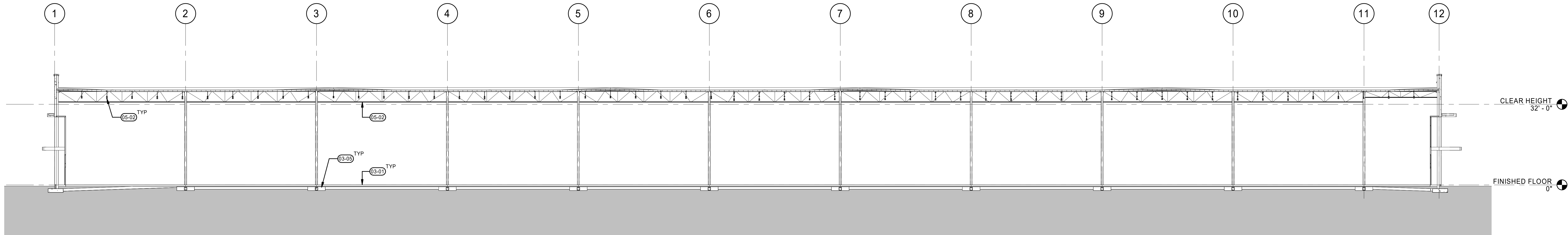
SHEET

A3.10

JOB NO. 2220290.00



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



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

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.

Portland, OR
503.224.9560
Vancouver, WA
360.695.7879
Seattle, WA
206.749.9993
www.mcknze.com

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

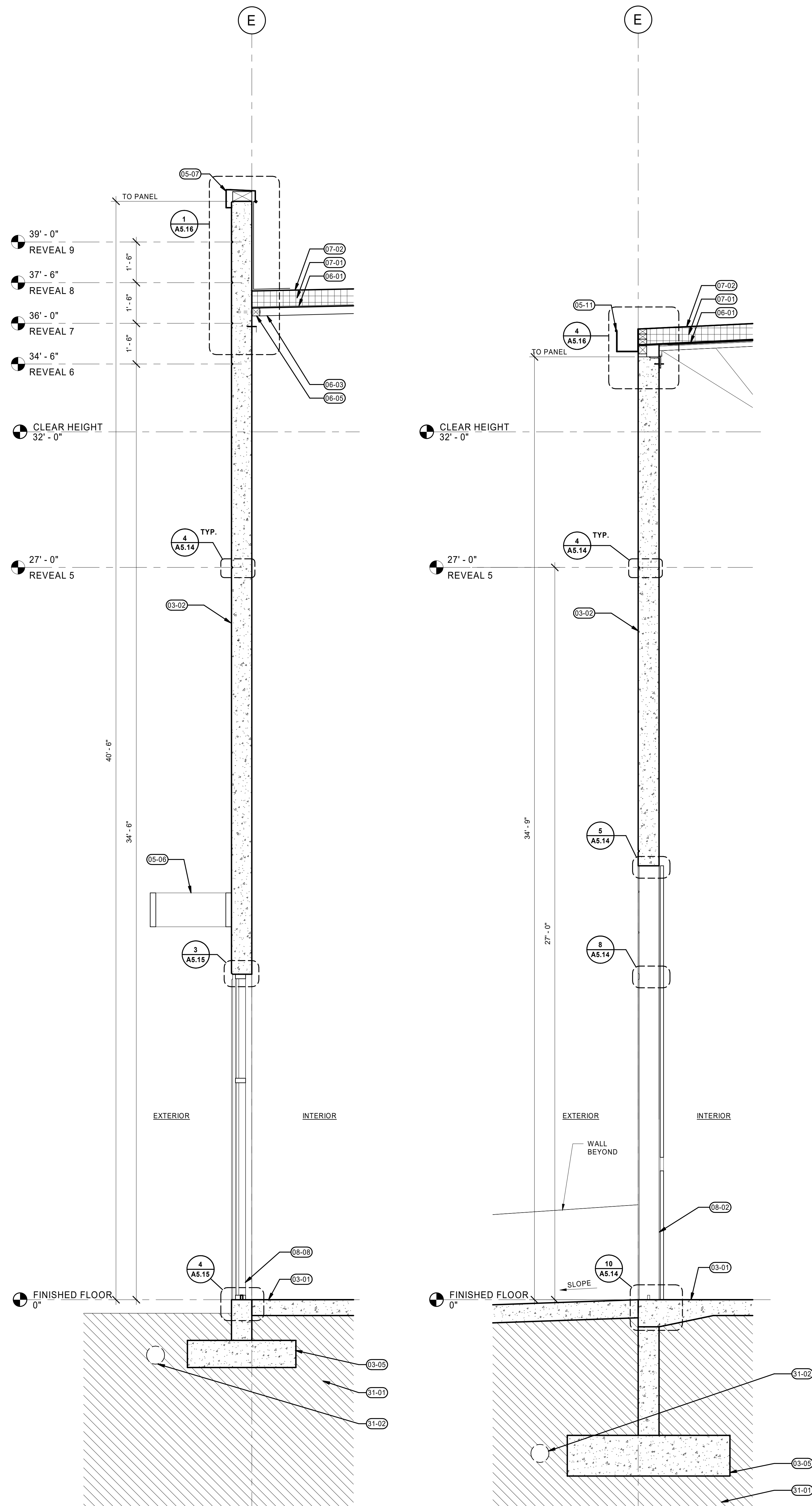
Project

FORTRESS •
PUYALLUP
240 15TH ST SE
PUYALLUP, WA 98372

Mechanical/Electrical

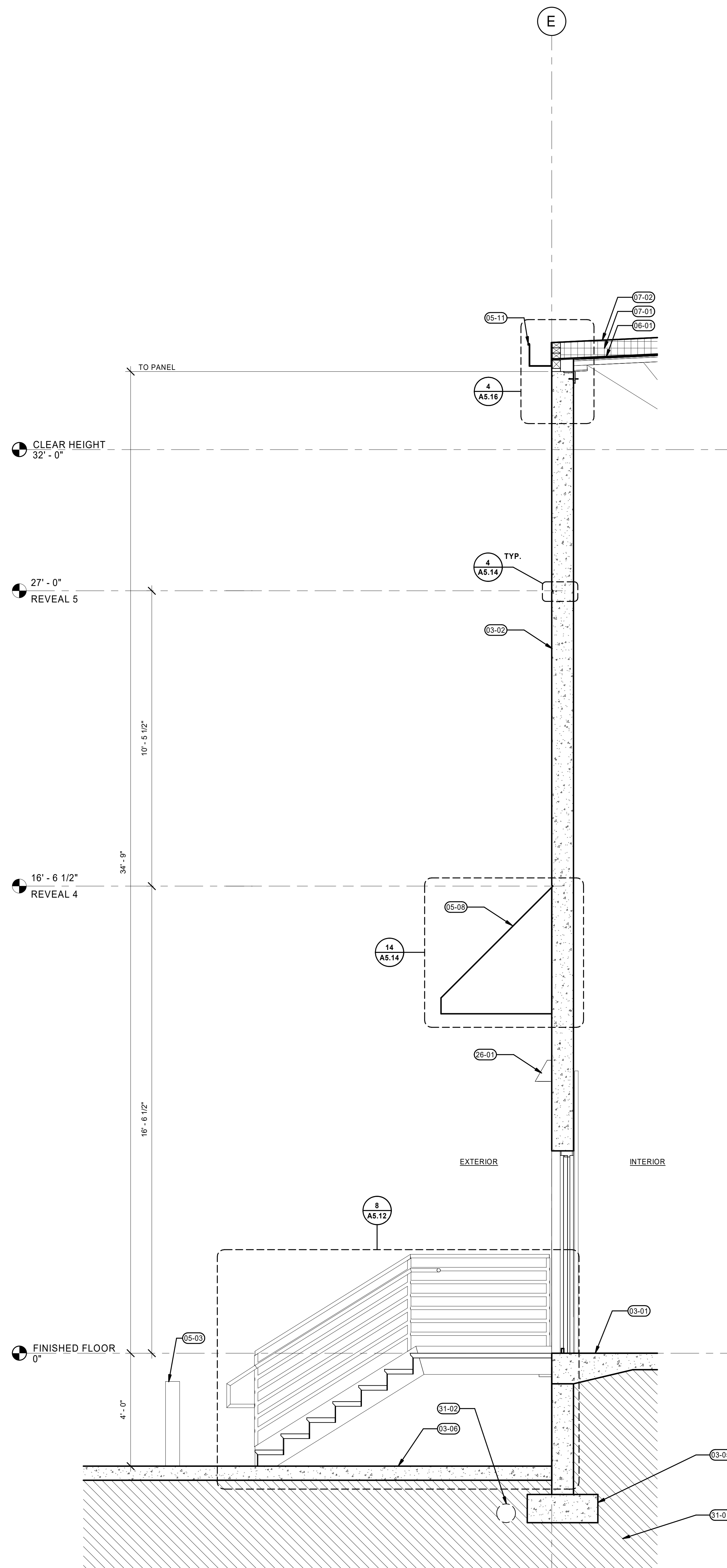
KEYNOTES

- 03-01 REINFORCED CONCRETE SLAB PER STRUCTURAL
SEALED AND POLISHED WITH DAYTON PENTRA-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 15A5.13.
- 05-05 METAL ACCENT DETAIL PROJECTING FROM WALL. SEE
DETAILS 9, 13, & 18 ON SHEET A5.10.
- 05-07 METAL COPING. SEE DETAIL 14A5.16.
- 05-08 BIDDER-DESIGN: DOCK DOOR CANOPY. SEE DETAILS 14,
15, & 16 ON SHEET A5.14.
- 05-11 SHEET METAL GUTTER. PAINT. SEE DETAIL 3A5.16.
- 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 A6.10 FOR ADDITIONAL
INFO.
- 08-02 INSULATED OVERHEAD DRIVE-IN DOOR. PAINT TO
MATCH. SEE DOOR TYPES ON A6.10 FOR ADDITIONAL
INFO.
- 08-07 CLEARSTOREY 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.

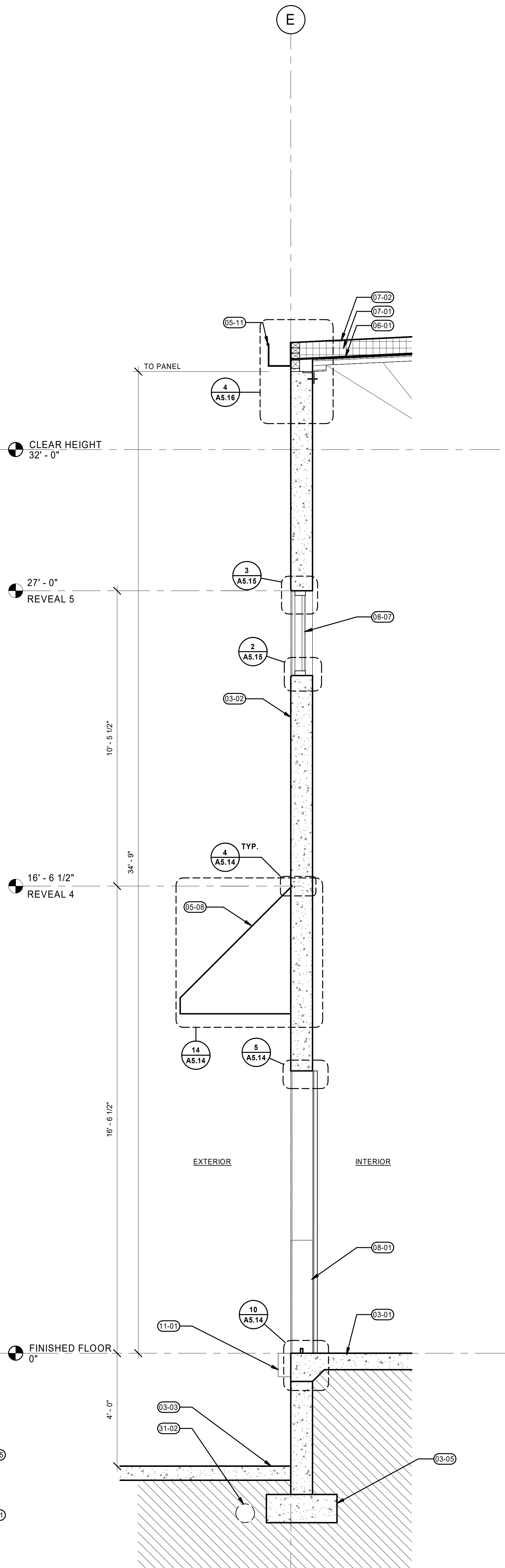


1 NORTH ENTRY WALL SECTION
1/2" = 1'-0"

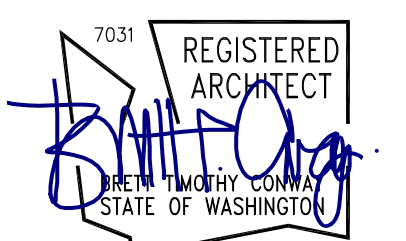
2 DOCK RAMP WALL SECTION
1/2" = 1'-0"



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



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



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SHEET TITLE:
**WALL
SECTIONS**

SHEET

A3.20

PERMIT SET 6/28/2023

Autodesk Docs\Fortress-Puyallup\220-Fortress-Puyallup\123-A1.dwg 6/28/2023 2:47:36 PM As Indicated

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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503.224.9560
Vancouver, WA
360.695.7879
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206.749.9993
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Client

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

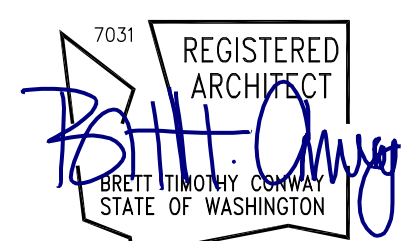
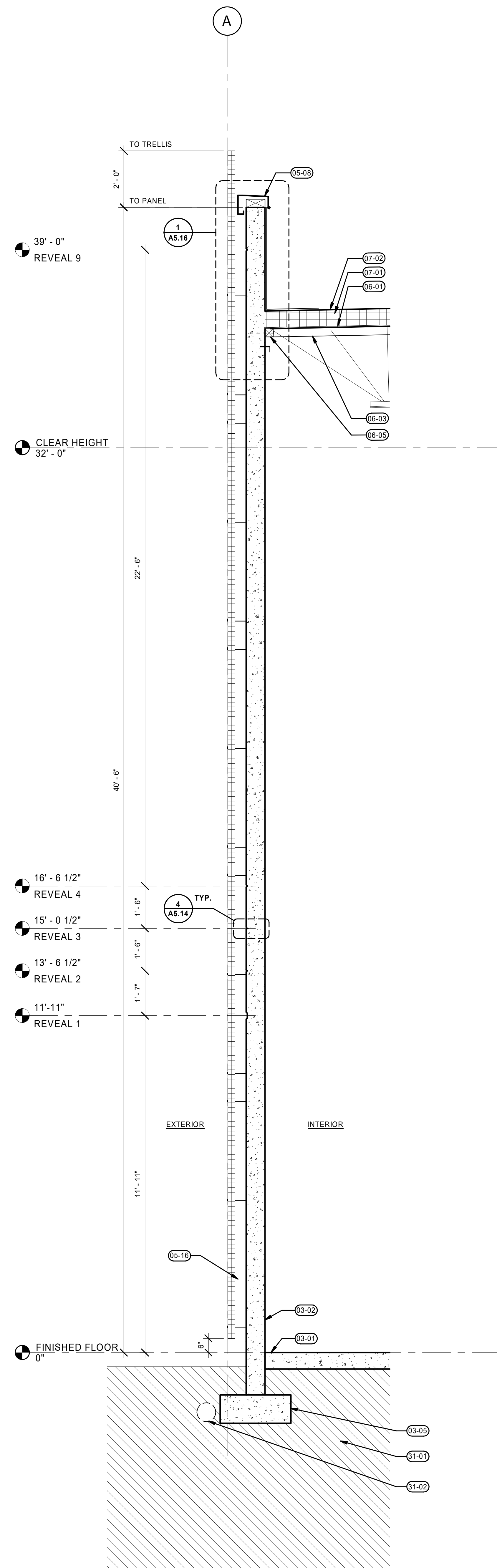
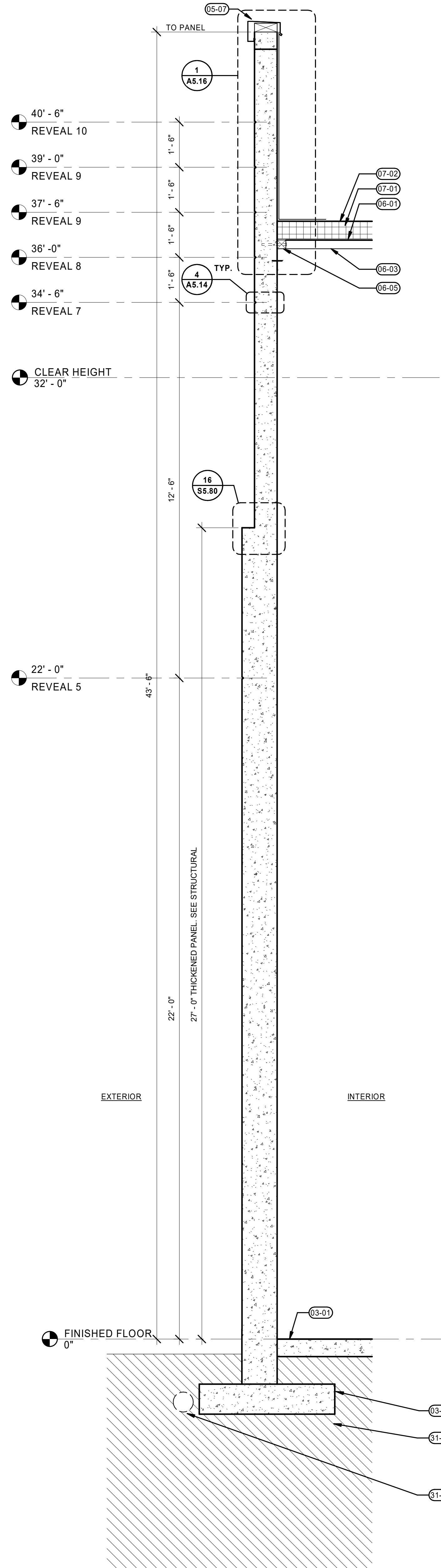
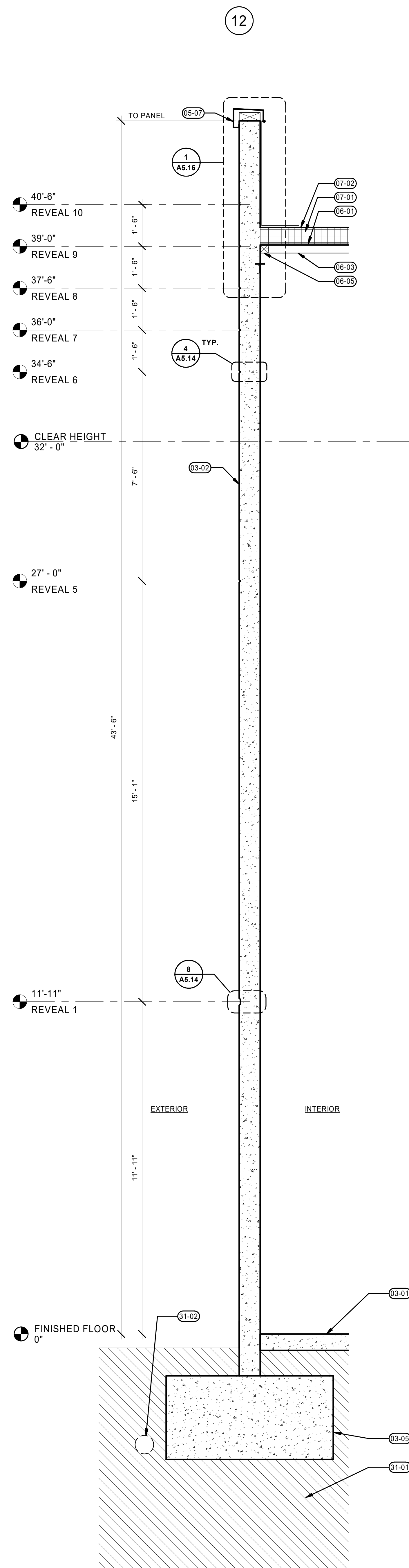
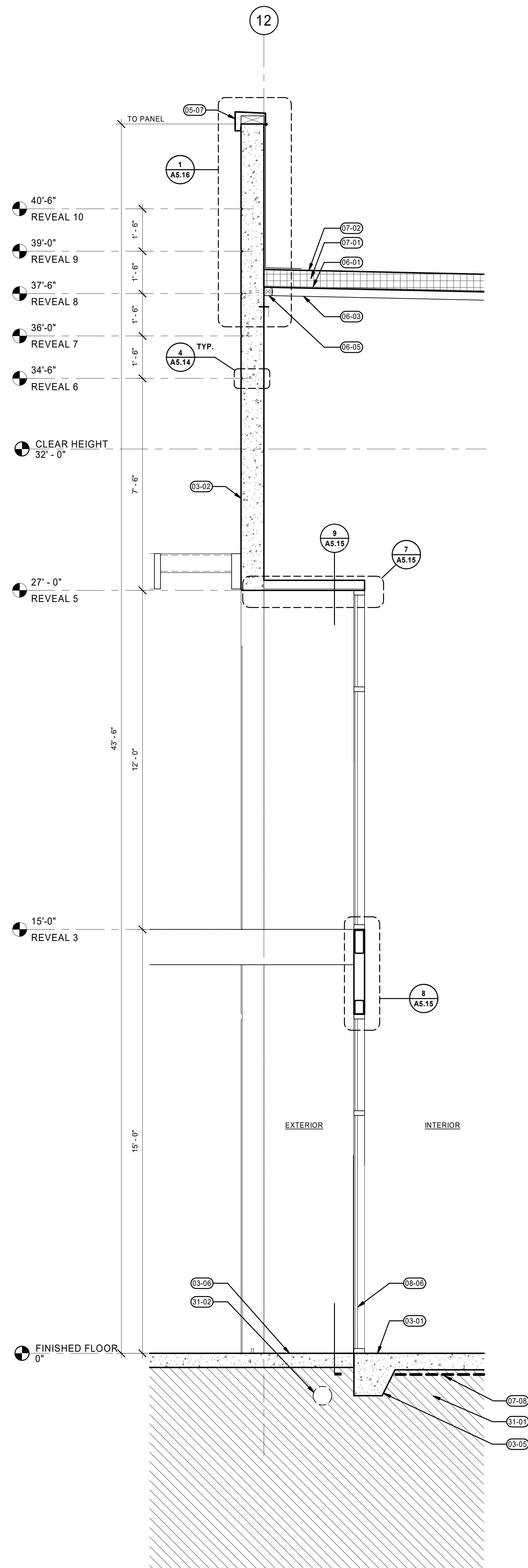
Project

**FORTRESS •
PUYALLUP**
240 15TH ST SE
PUYALLUP, WA 98372

Mechanical/Electrical

KEYNOTES

- 03-01 REINFORCED CONCRETE SLAB PER STRUCTURAL
SEALED AND POLISHED WITH DAYTON PENTRAHARD
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: DOCK DOOR CANOPY. SEE DETAILS 14,
15, & 16 ON SHEET A5.14.
- 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.
REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE
PREPARATION FOR CONSTRUCTION.
- 31-01 FOOTING DRAINS AS PRESCRIBED BY GEOTECHNICAL
REPORT. REFER TO CIVIL DRAWINGS.
- 31-02



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SHEET TITLE:
**WALL
SECTIONS**

SHEET

A3.21

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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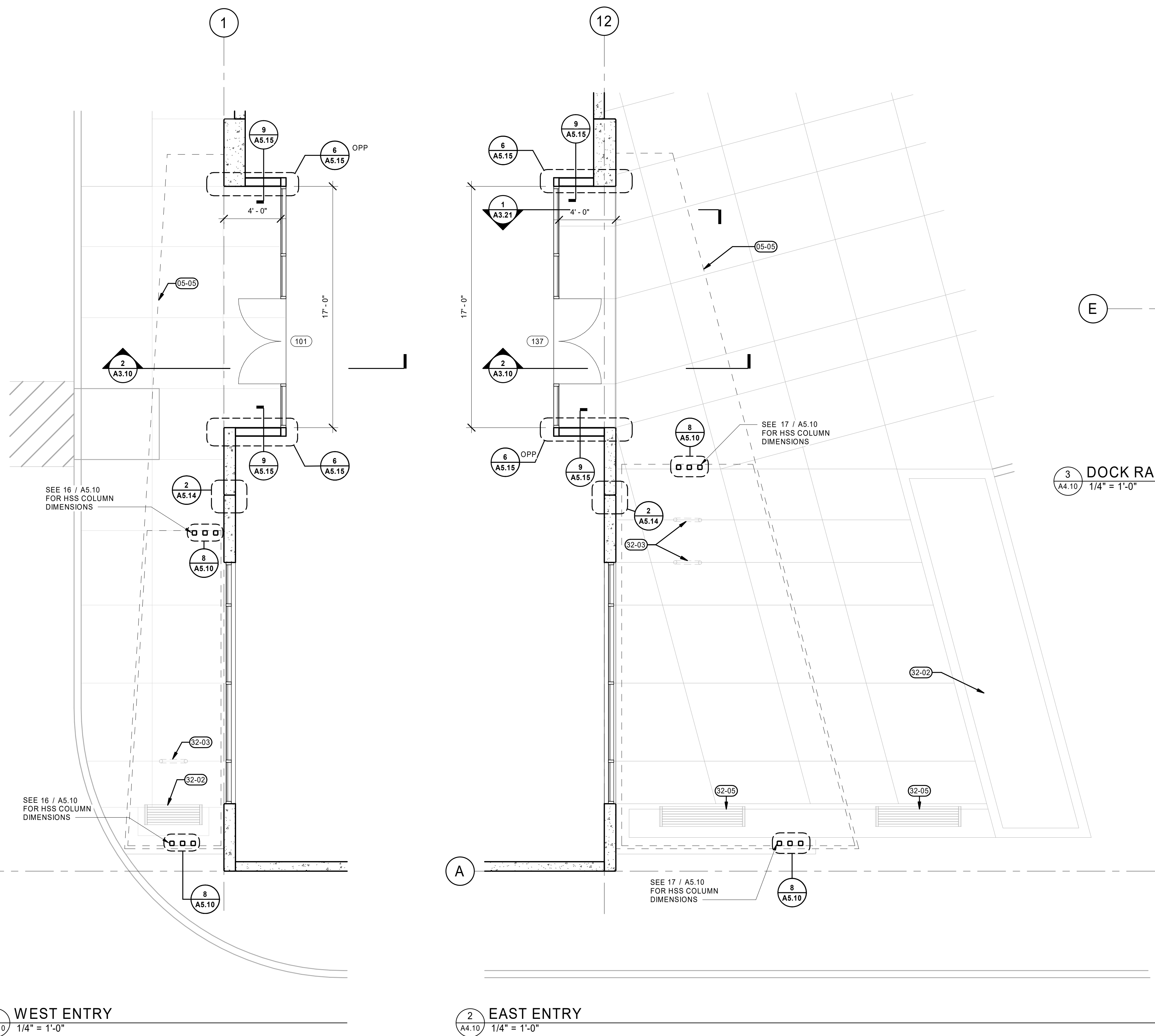
Project

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

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.

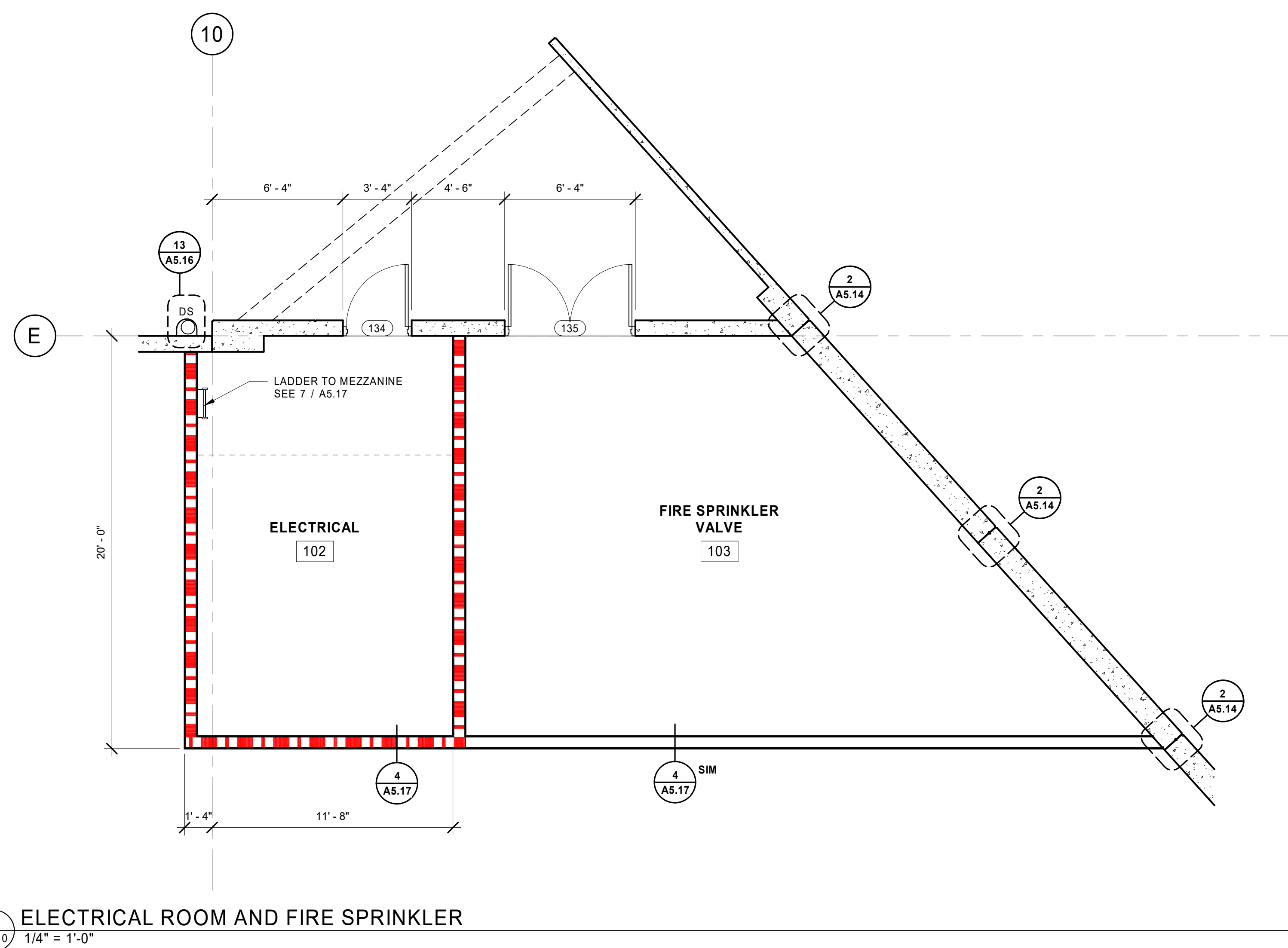


3 DOCK RAMP

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

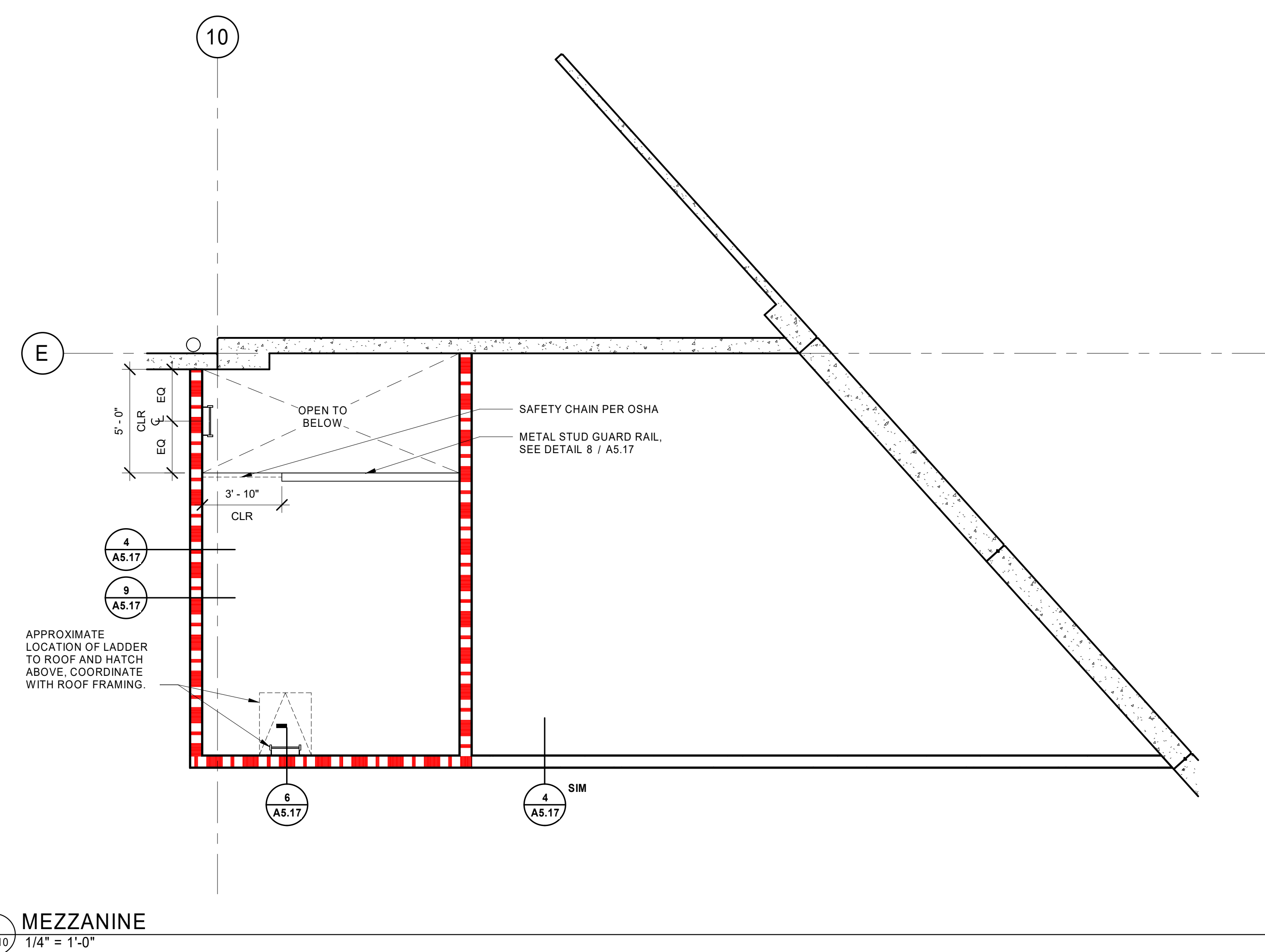
4 DOCK

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"

2023 REGISTERED
ARCHITECT
BRIAN D. MCKENZIE
STATE OF WASHINGTON

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SHEET TITLE:
**ENLARGED
PLANS**

SHEET

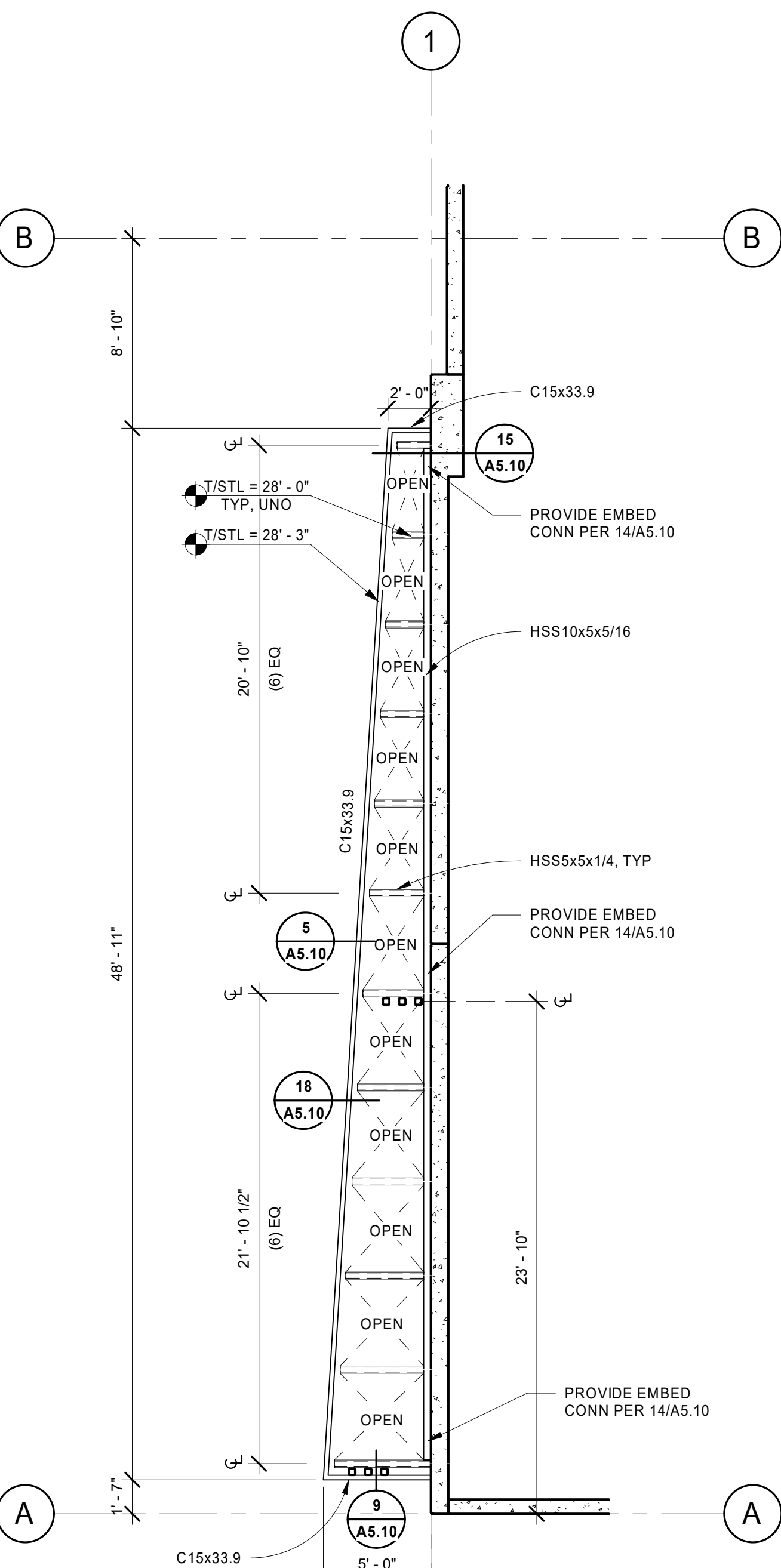
A4.10

JOB NO. 2220290.00

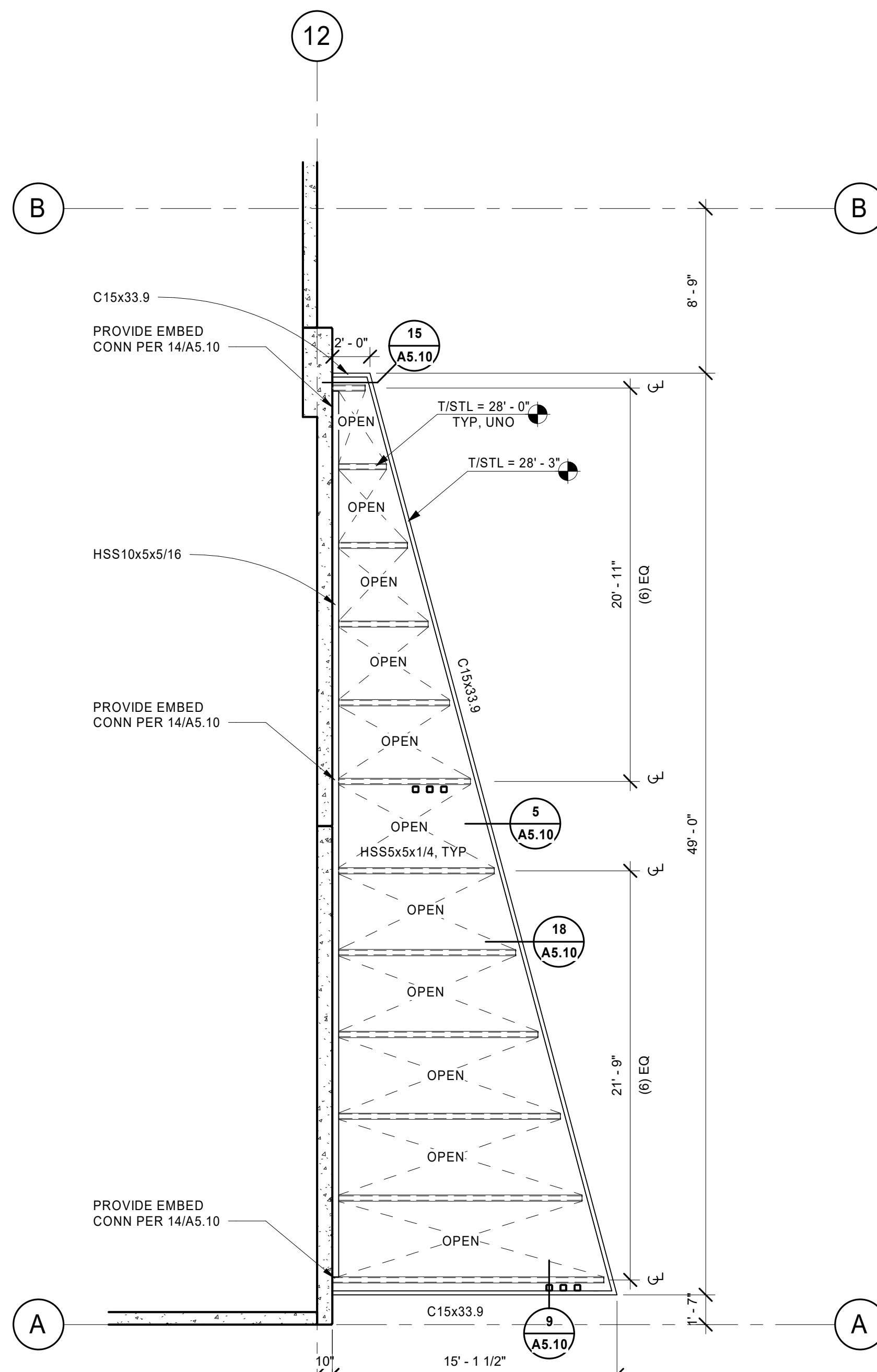
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Autodesk Docs\Fortress-Puyallup\220-Fortress-Puyallup\22-A10 6/28/2023 2:47:43 PM As Indicated

CANOPY GENERAL NOTES

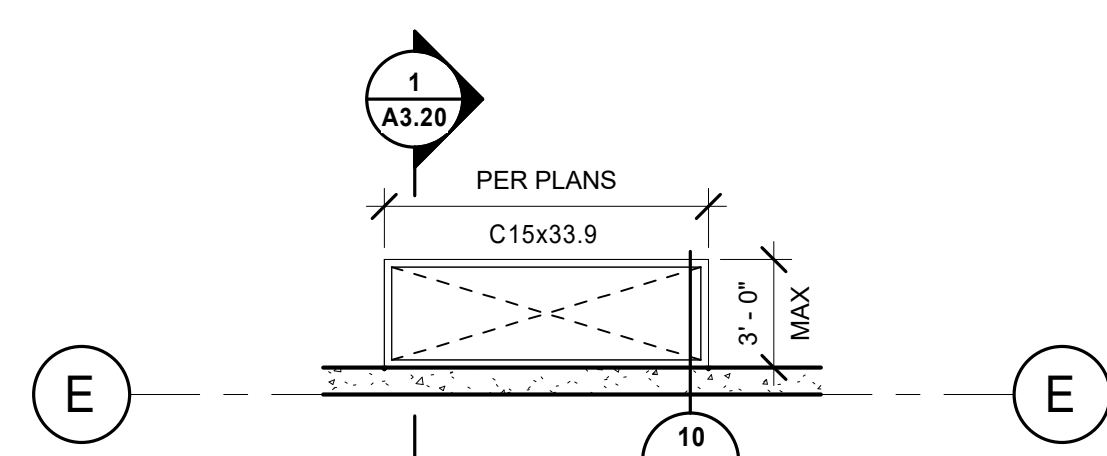
- ALL CANOPY STEEL TO BE GALVANIZED UNO. WELDS/CONNECTIONS TO BE REPAIRED WITH COLD GALVANIZING.
- CANOPY STEEL AND DECK TO BE PAINTED PER ELEVATIONS. PRIMER TO BE COMPATIBLE WITH GALVANIZING.



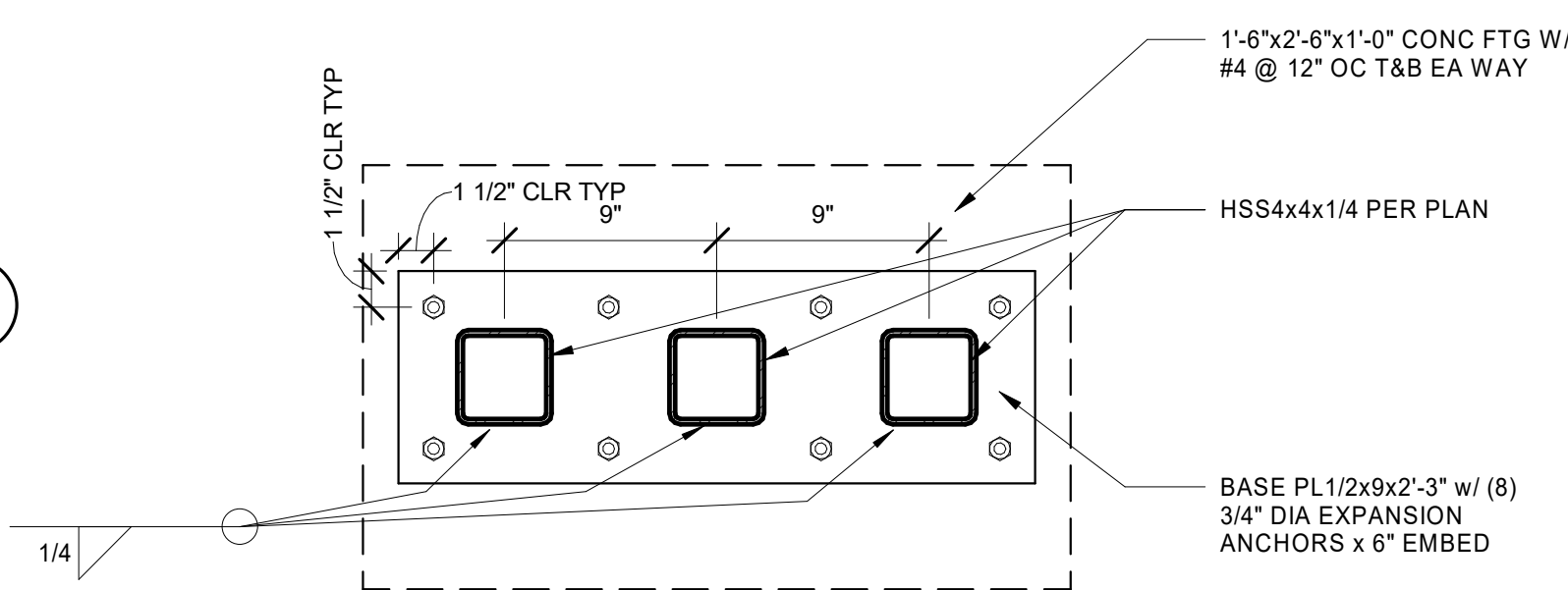
6 METAL ACCENT FRAMING PLAN - WEST SIDE
A5.10 3/16" = 1'-0"



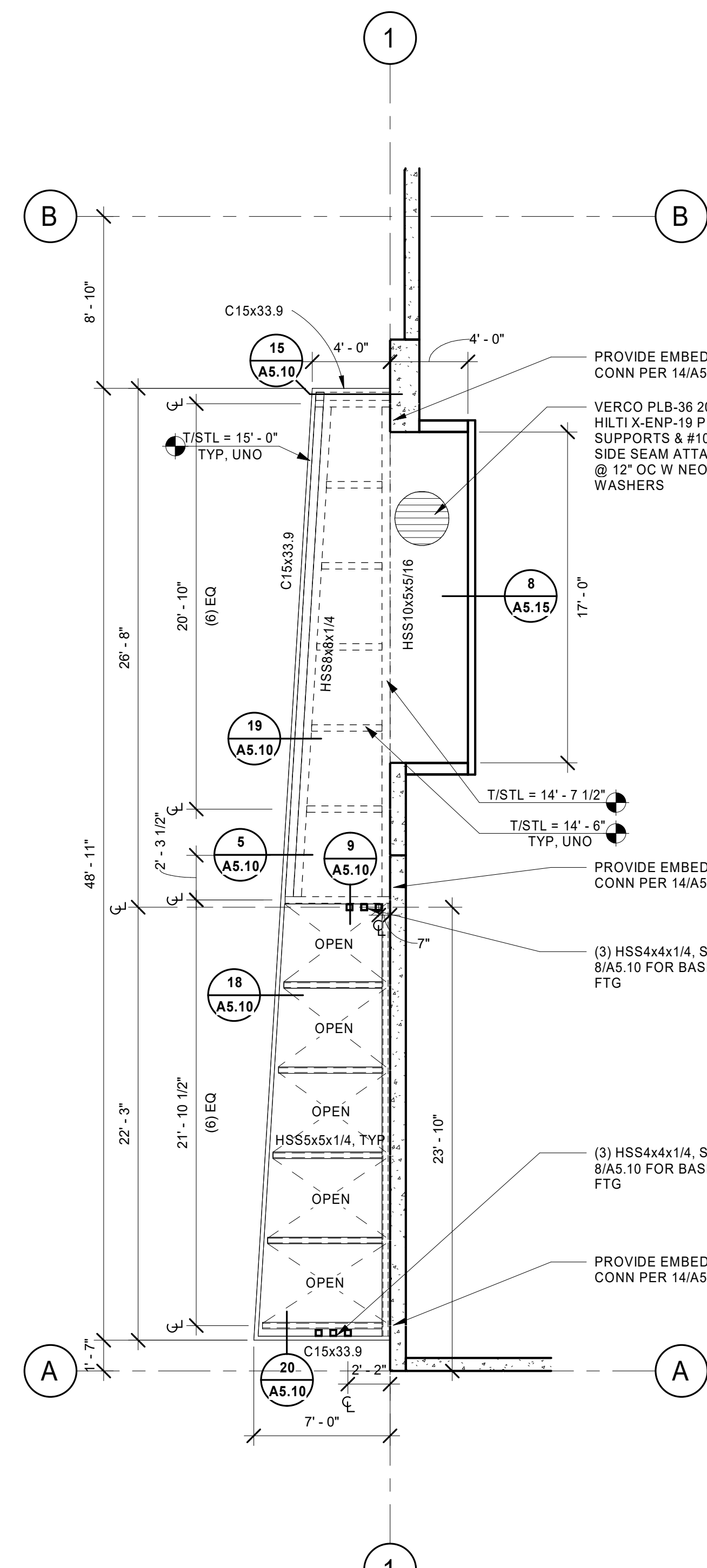
7 METAL ACCENT FRAMING PLAN - EAST SIDE
A5.10 3/16" = 1'-0"



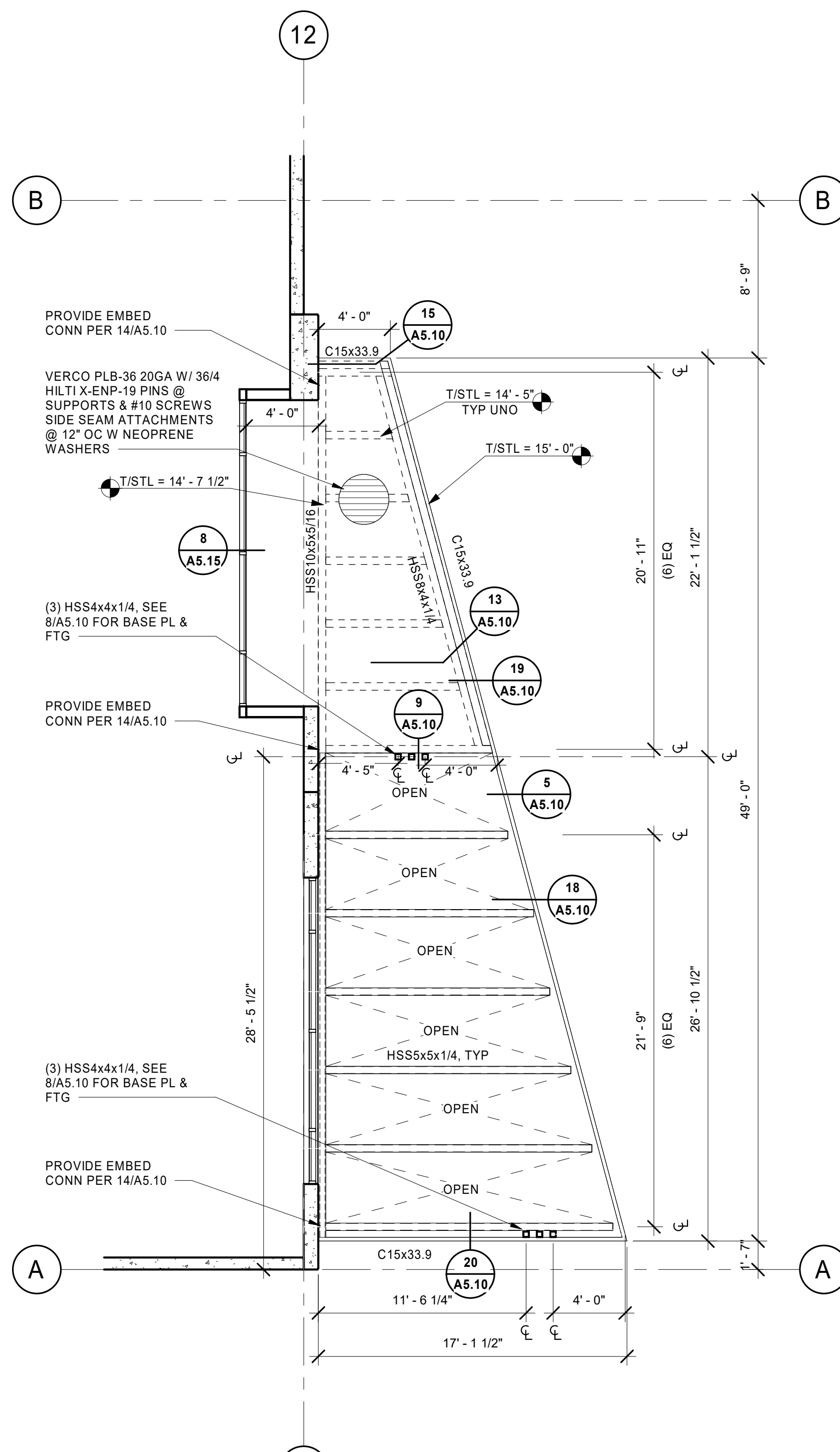
3 TYPICAL SMALL METAL ACCENT FRAMING
A5.10 3/16" = 1'-0"



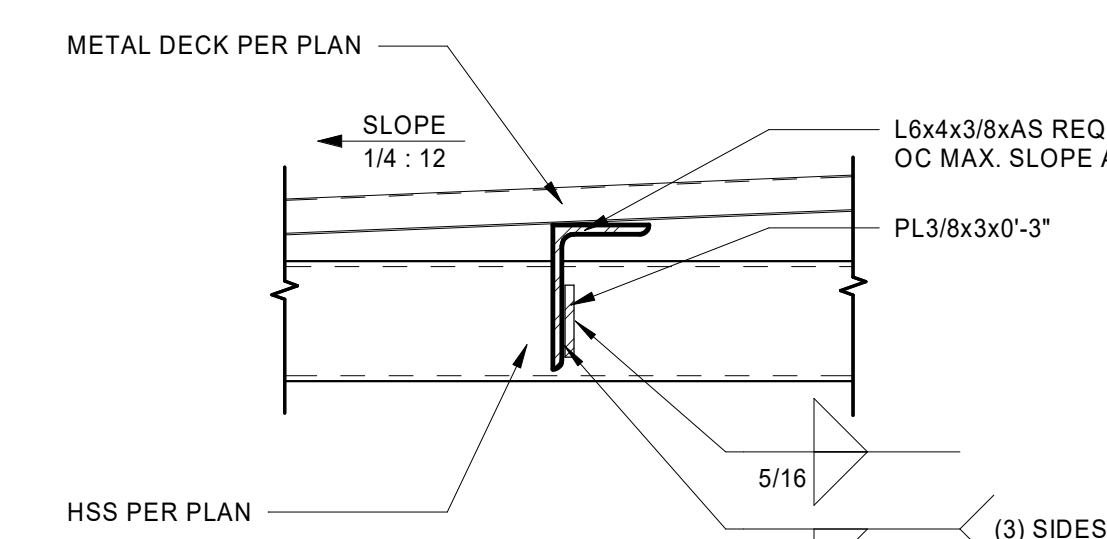
8 CANOPY - COL BASE PL
A5.10 1 1/2" = 1'-0"



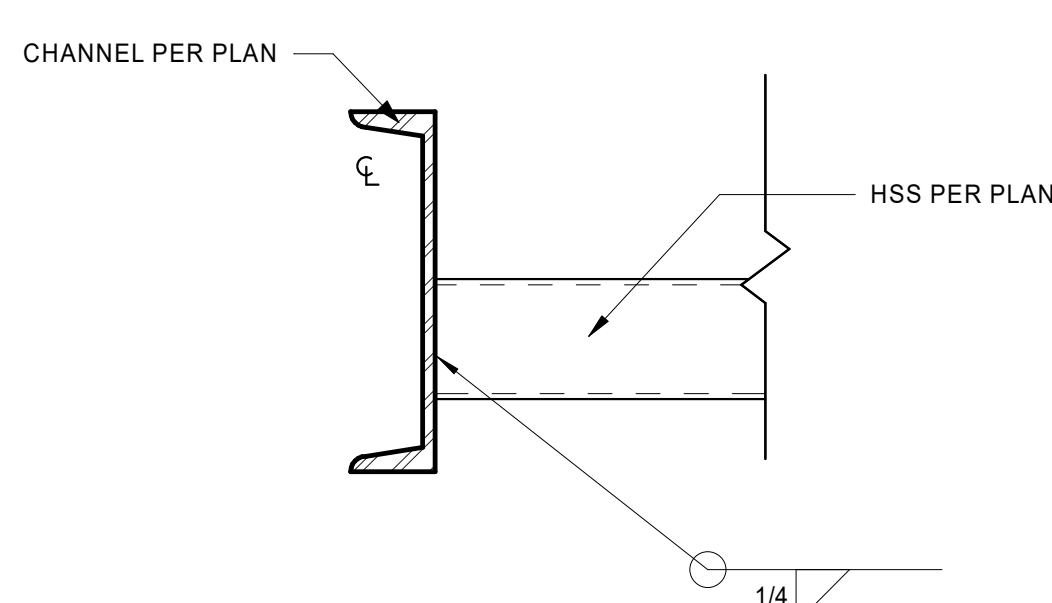
16 CANOPY FRAMING PLAN - WEST SIDE
A5.10 3/16" = 1'-0"



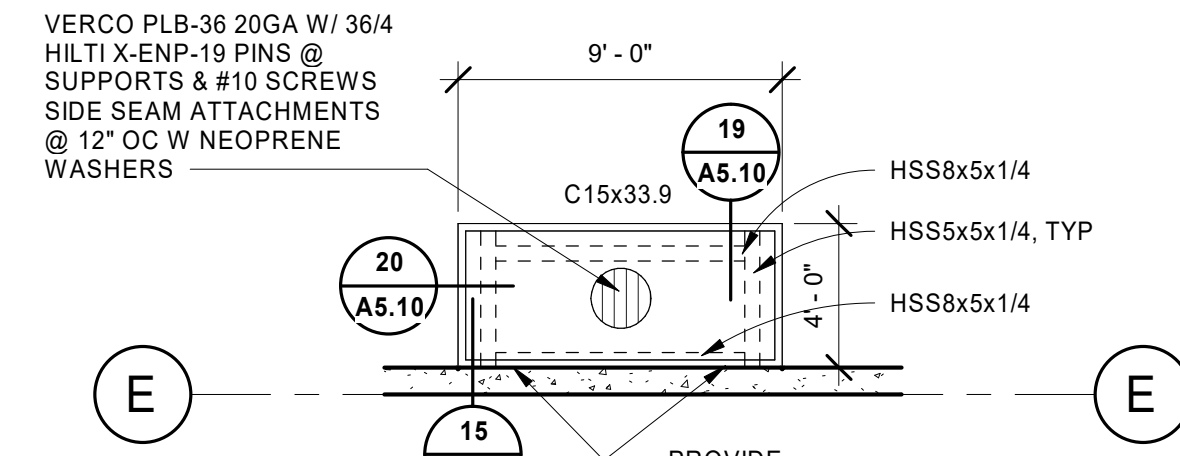
17 CANOPY FRAMING PLAN - EAST SIDE
A5.10 3/16" = 1'-0"



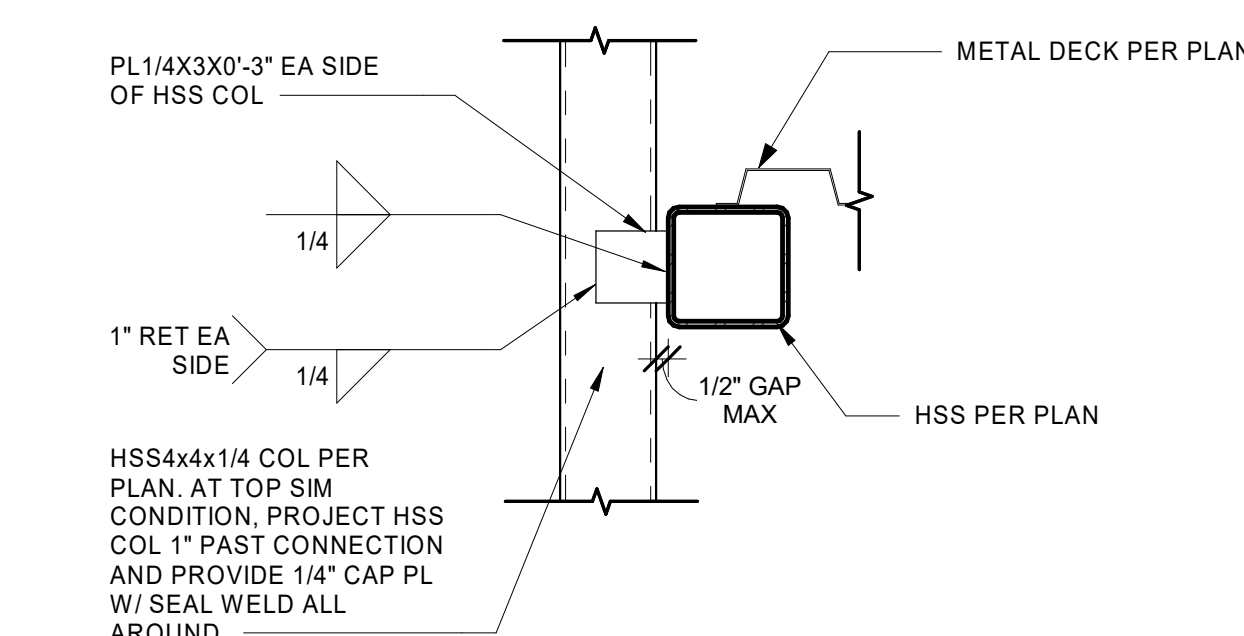
13 CANOPY - METAL DECK LEDGER ANGLE
A5.10 1 1/2" = 1'-0"



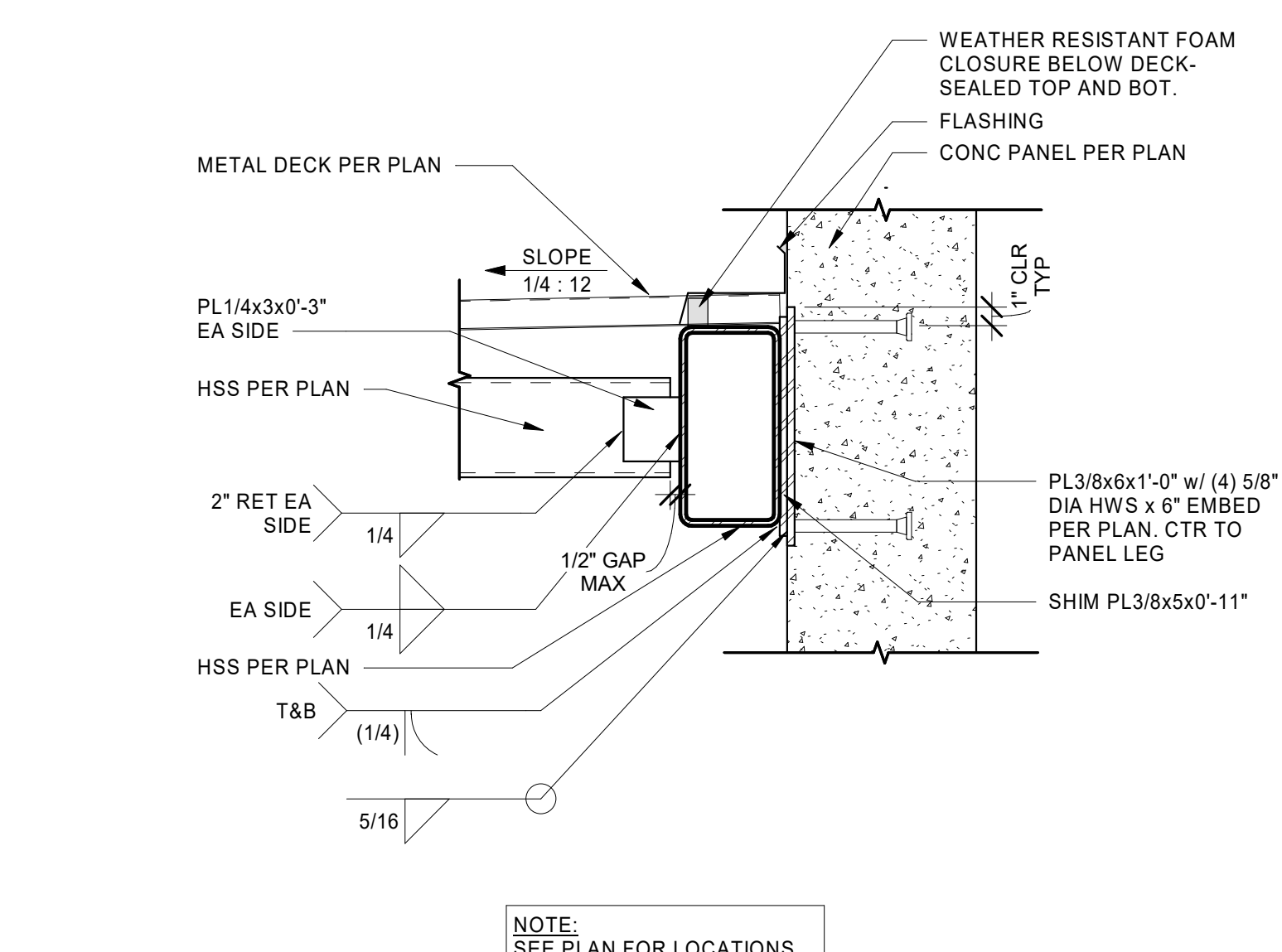
18 CANOPY - CHANNEL TO HSS CONN
A5.10 1 1/2" = 1'-0"



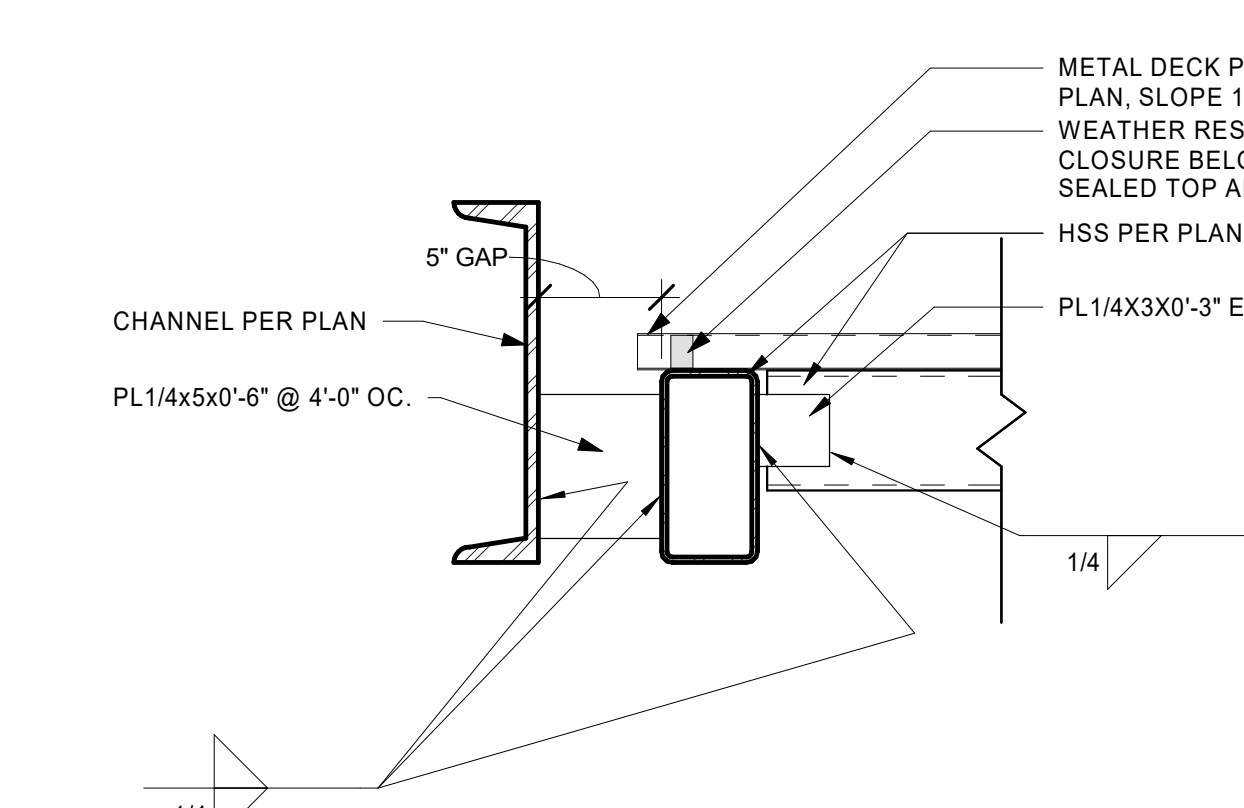
4 CANOPY FRAMING PLAN - NORTH SIDE
A5.10 3/16" = 1'-0"



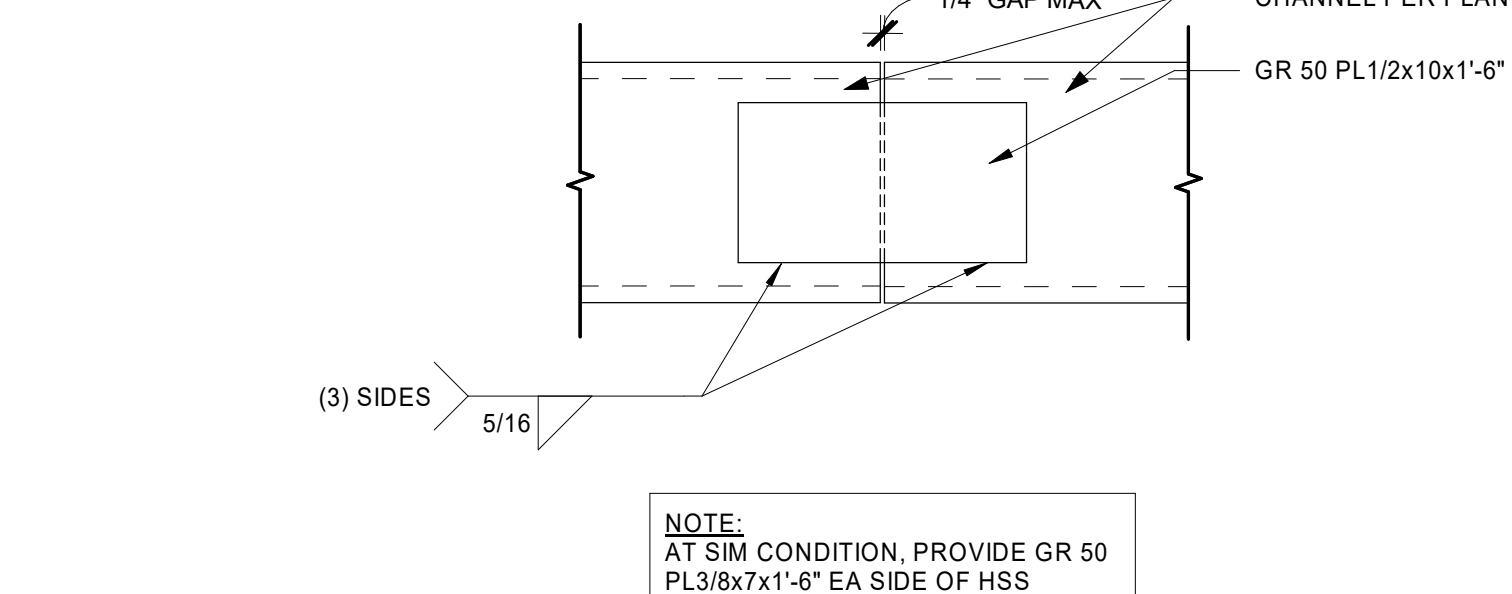
9 CANOPY - HSS COL TO HSS BEAM
A5.10 1 1/2" = 1'-0"



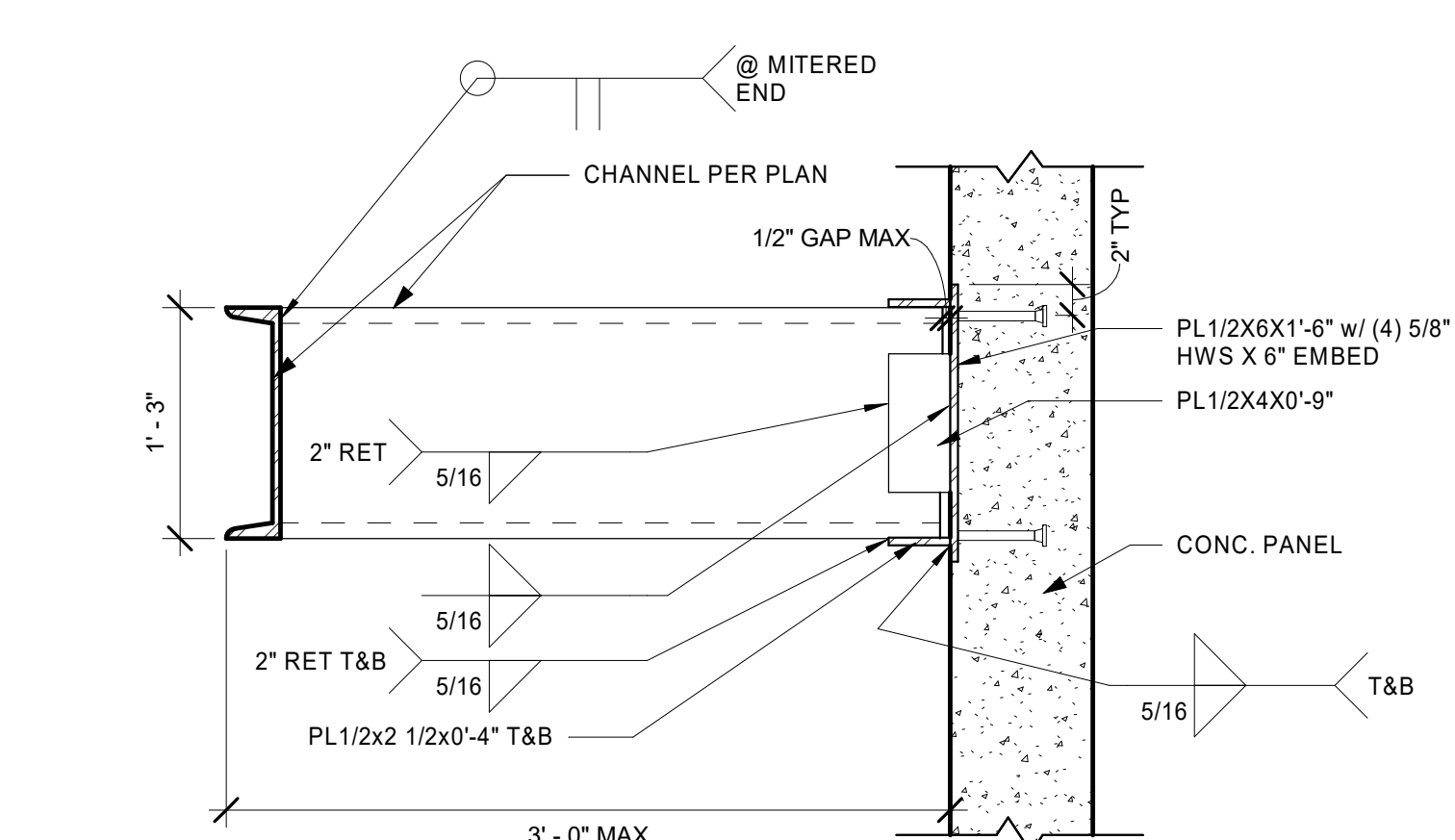
14 CANOPY - HSS TO PANEL CONN - FLAT
A5.10 1 1/2" = 1'-0"



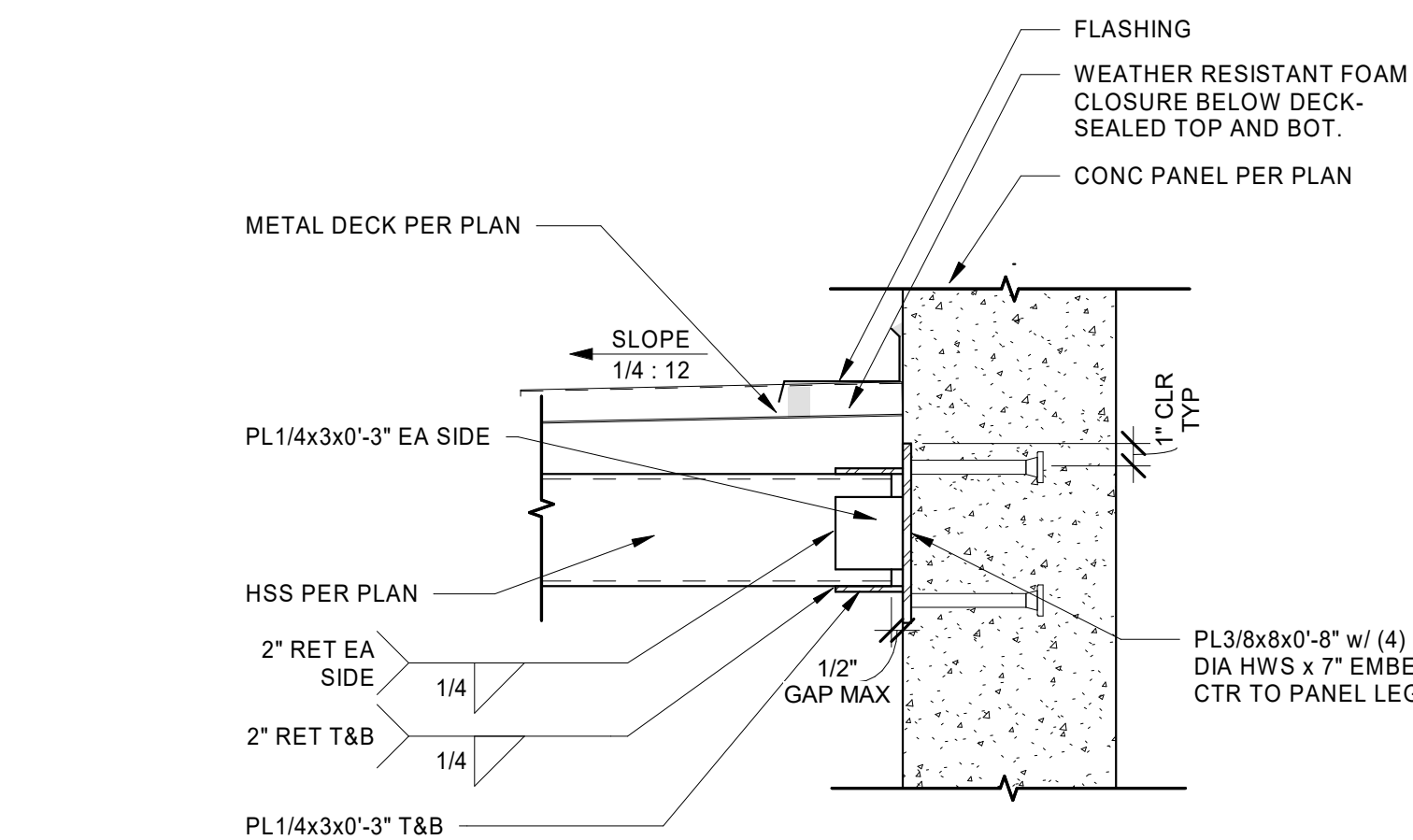
19 CANOPY - CHANNEL TO HSS CONN
A5.10 1 1/2" = 1'-0"



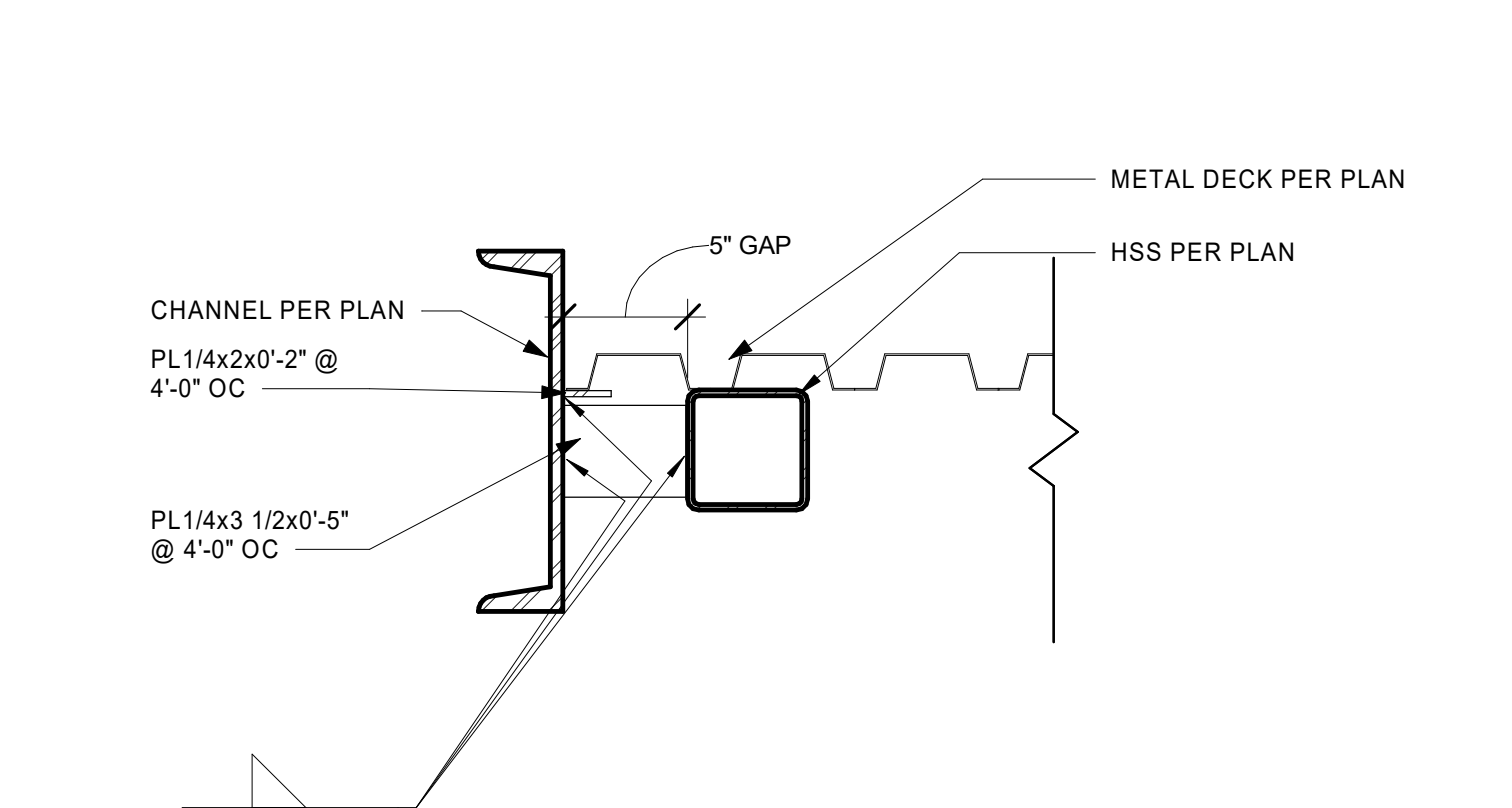
5 CANOPY - CHANNEL SPLICE DETAIL
A5.10 1" = 1'-0"



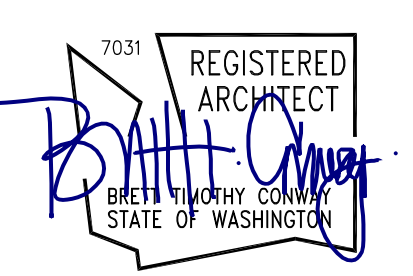
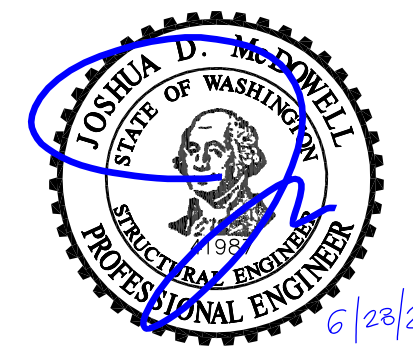
10 CANOPY - CHANNEL TO WALL CONN
A5.10 1" = 1'-0"



15 CANOPY - HSS TO PANEL CONN
A5.10 1 1/2" = 1'-0"



20 CANOPY - CHANNEL TO HSS CONN
A5.10 1 1/2" = 1'-0"



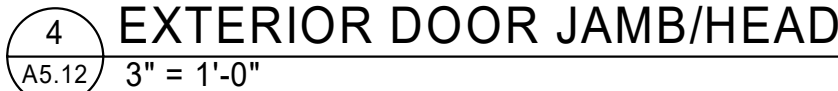
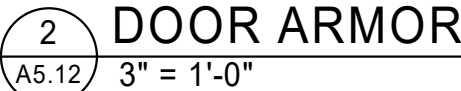
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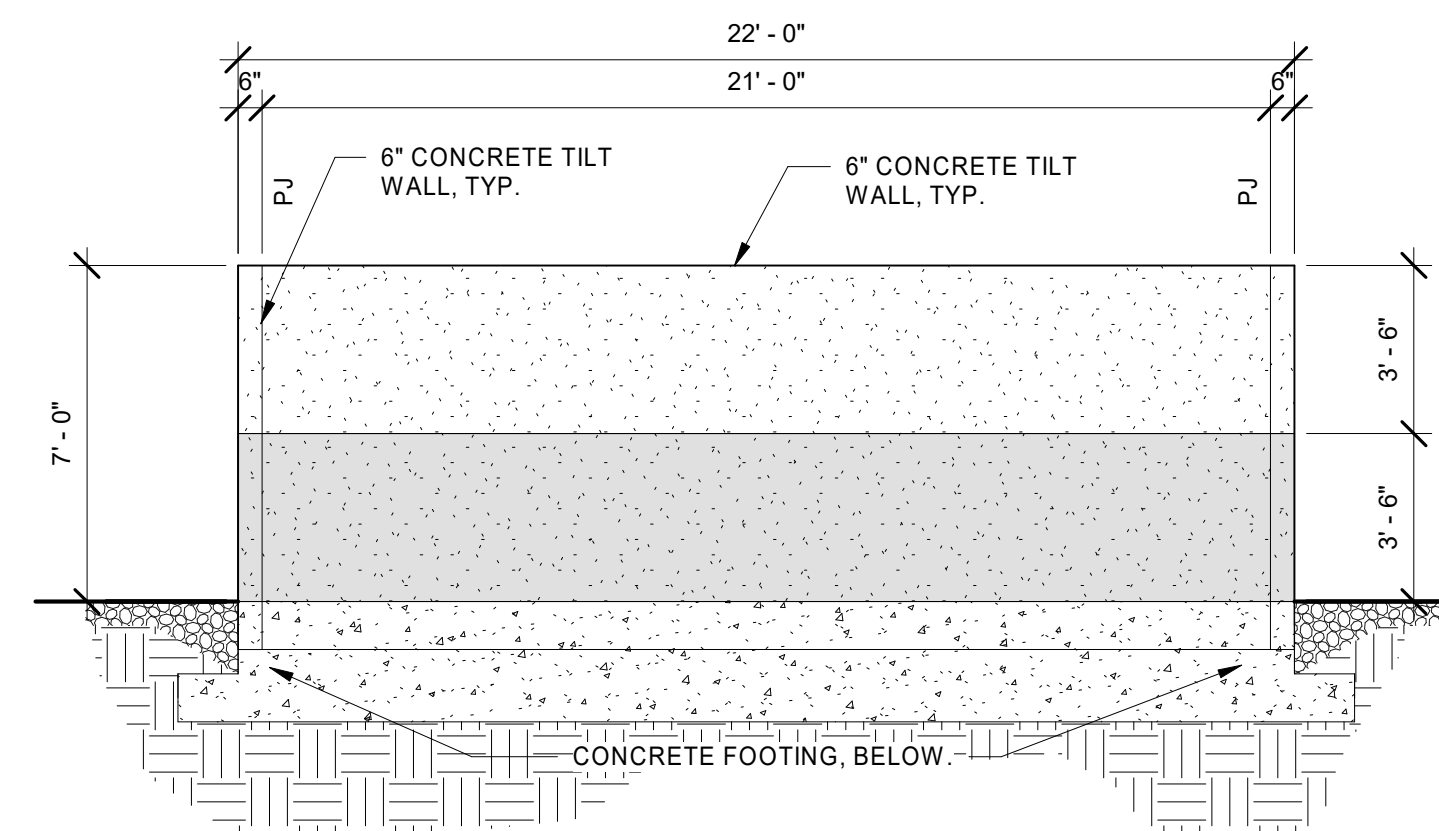
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SHEET TITLE:
**METAL
ACCENT,
ENLARGED
PLANS &
DETAILS**

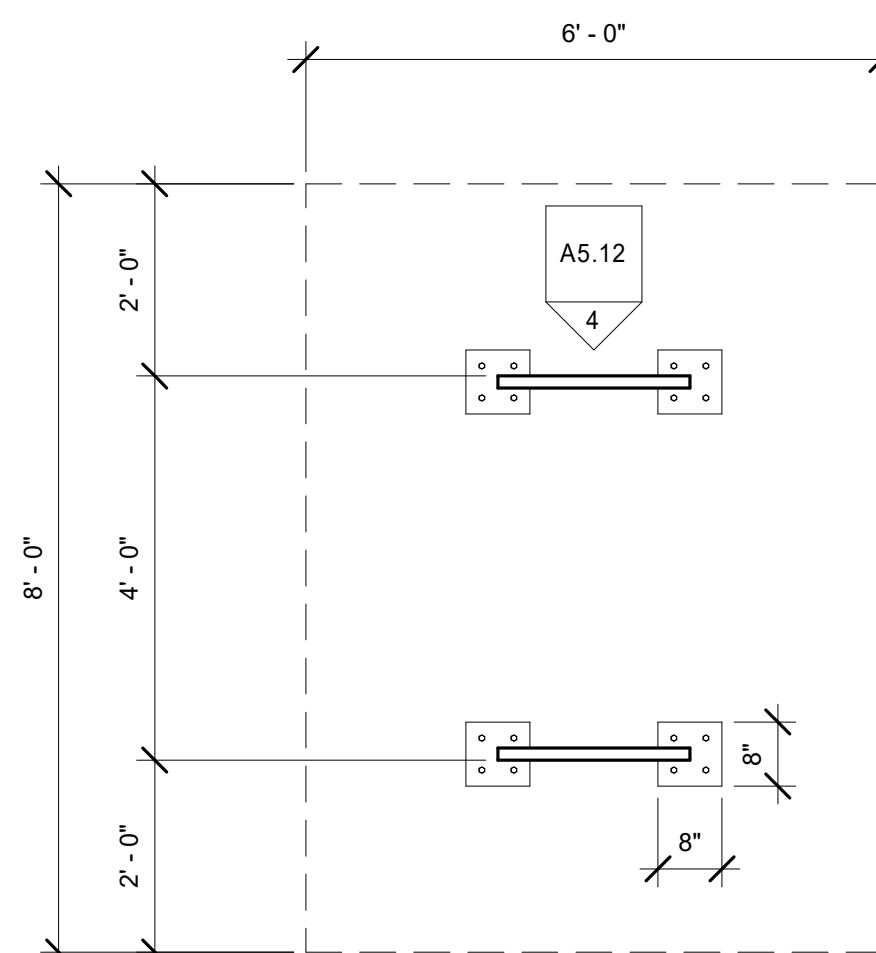
SHEET

A5.10

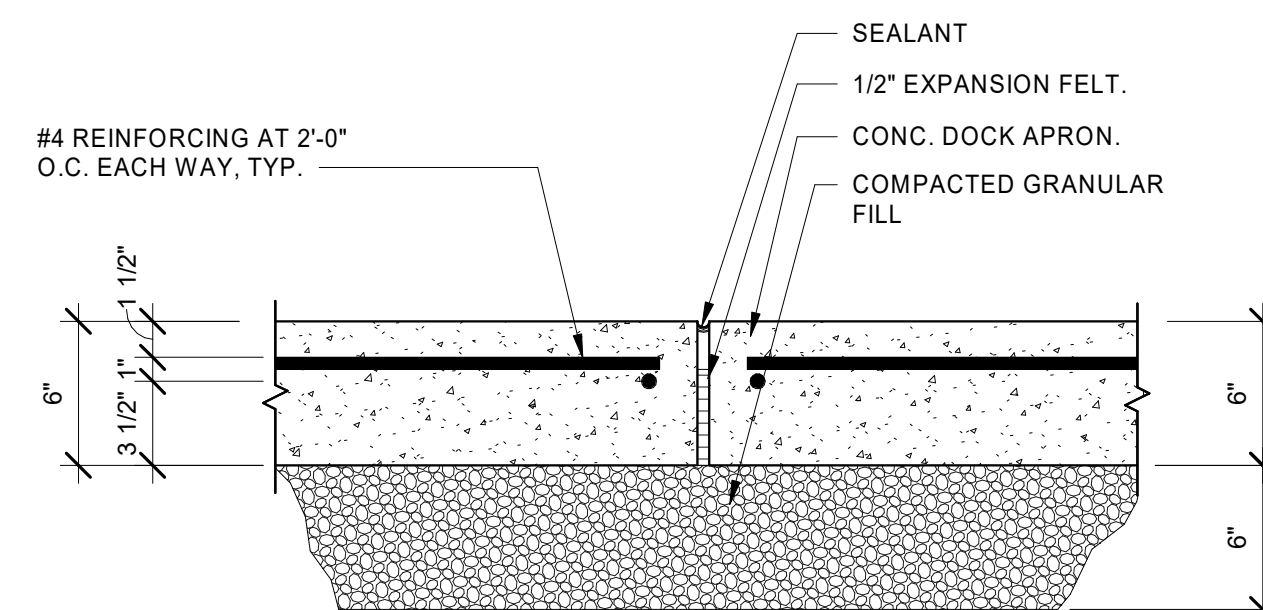




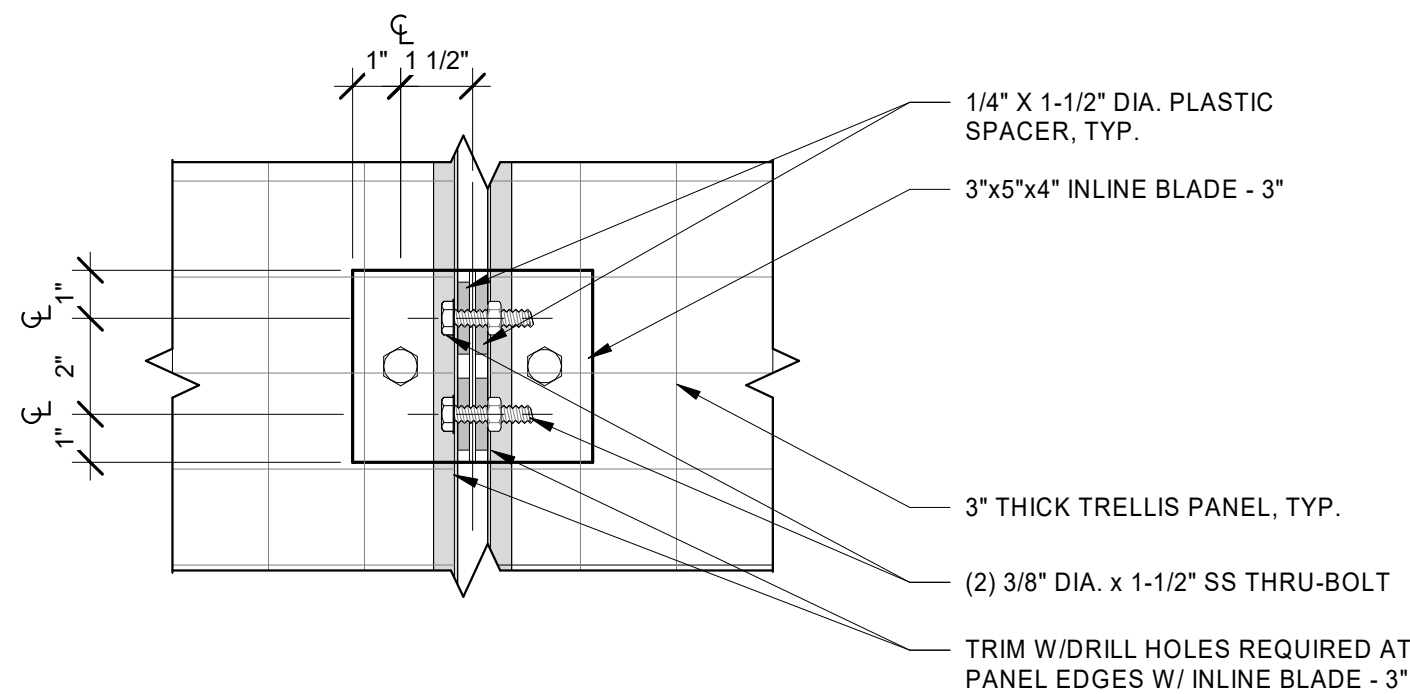
4 TRASH ENCLOSURE REAR ELEVATION
1/4" = 1'-0"



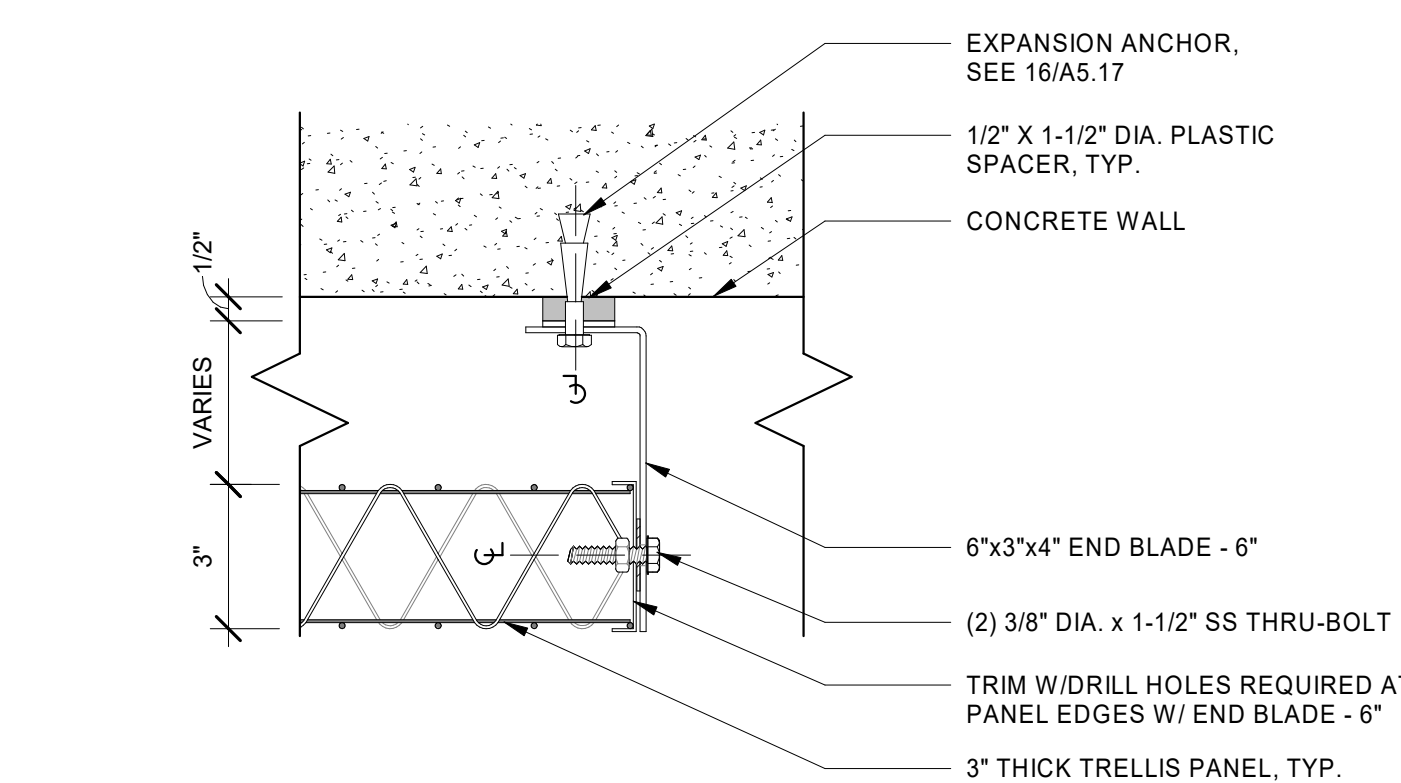
8 BIKE RACK PLAN
A5.13 1/2" = 1'-0"



13 DOCK APRON JOINT



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



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

[illegible]

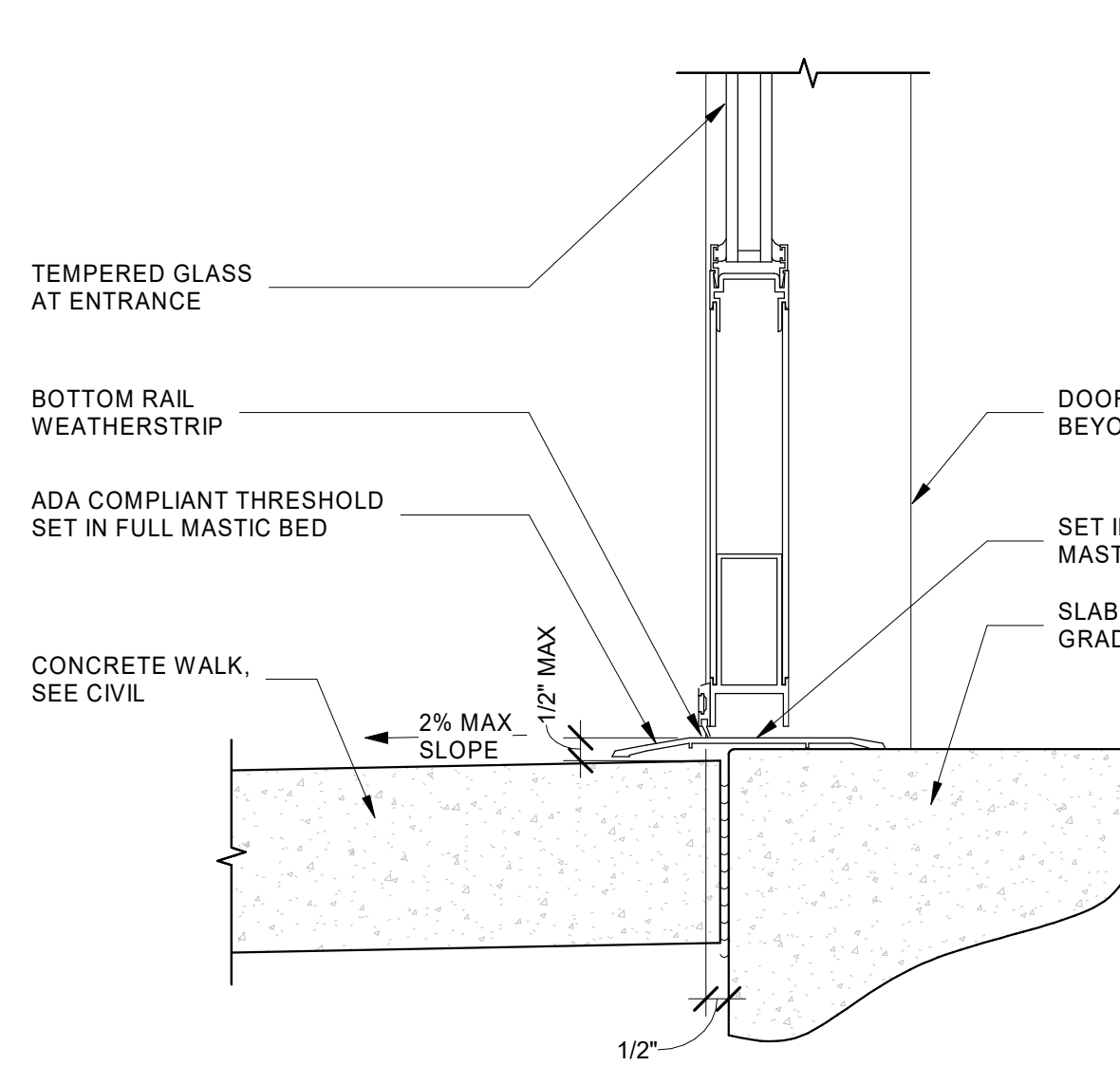
SHEET TITLE:
**EXTERIOR
DETAILS**

SHEET

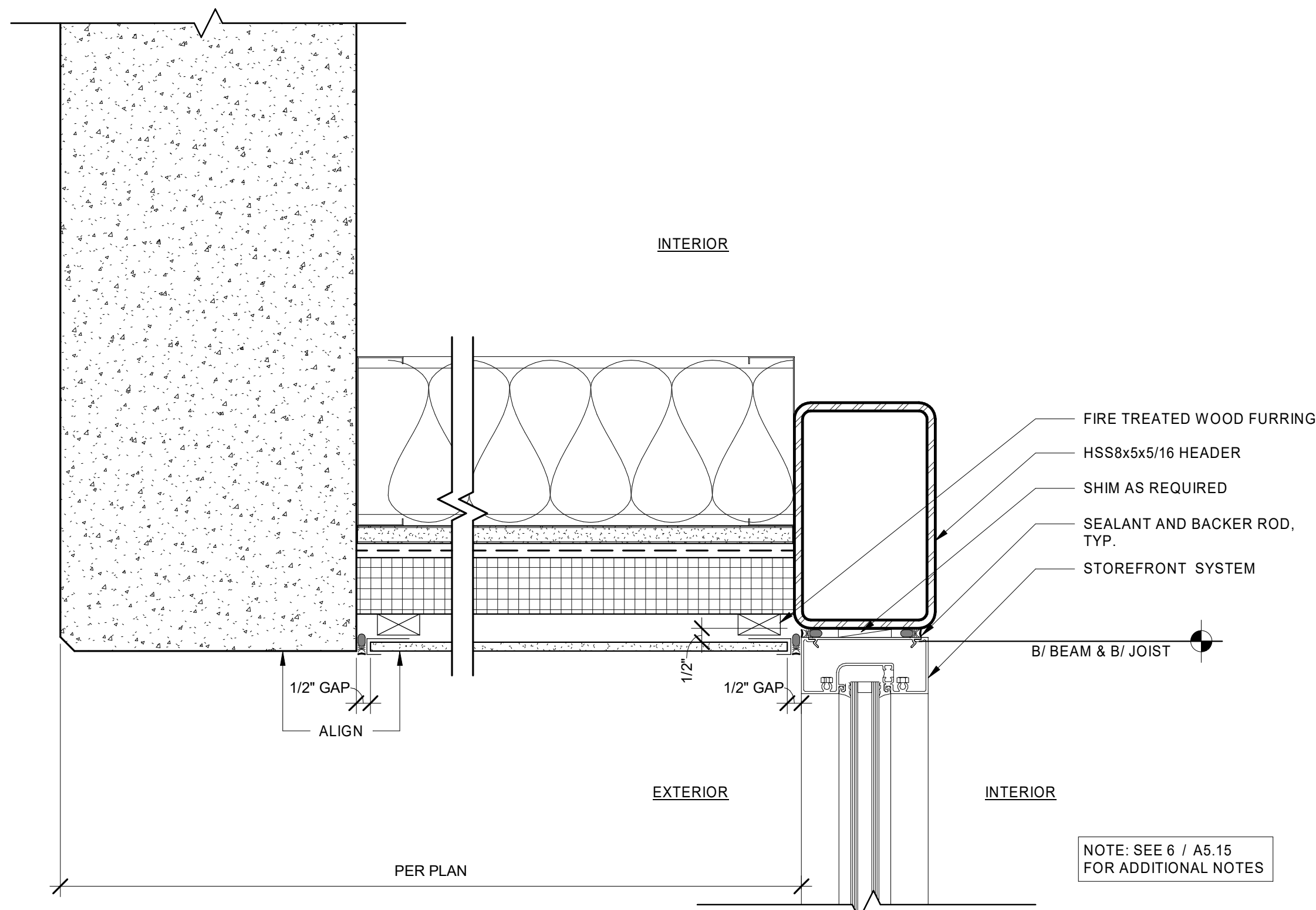


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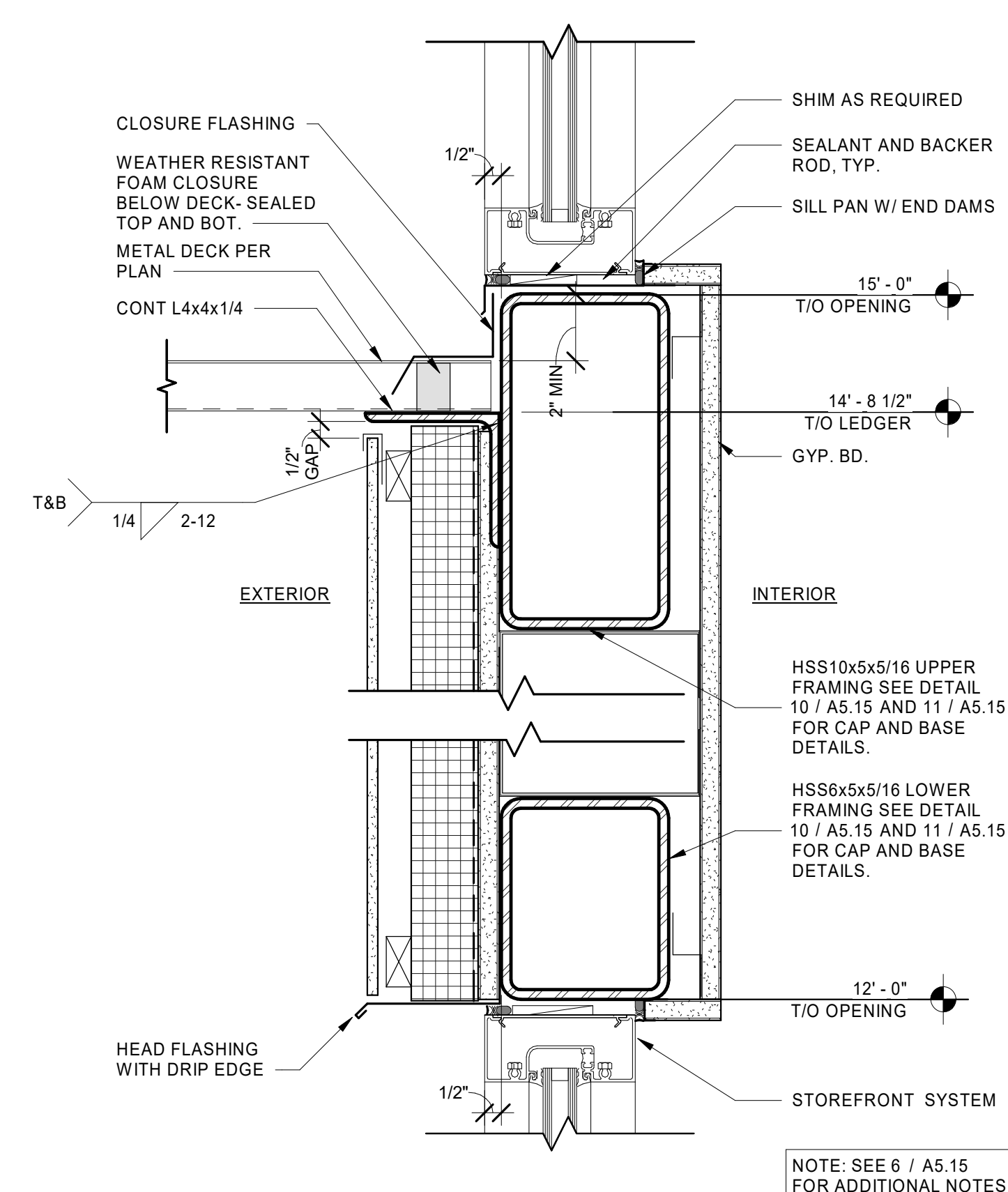
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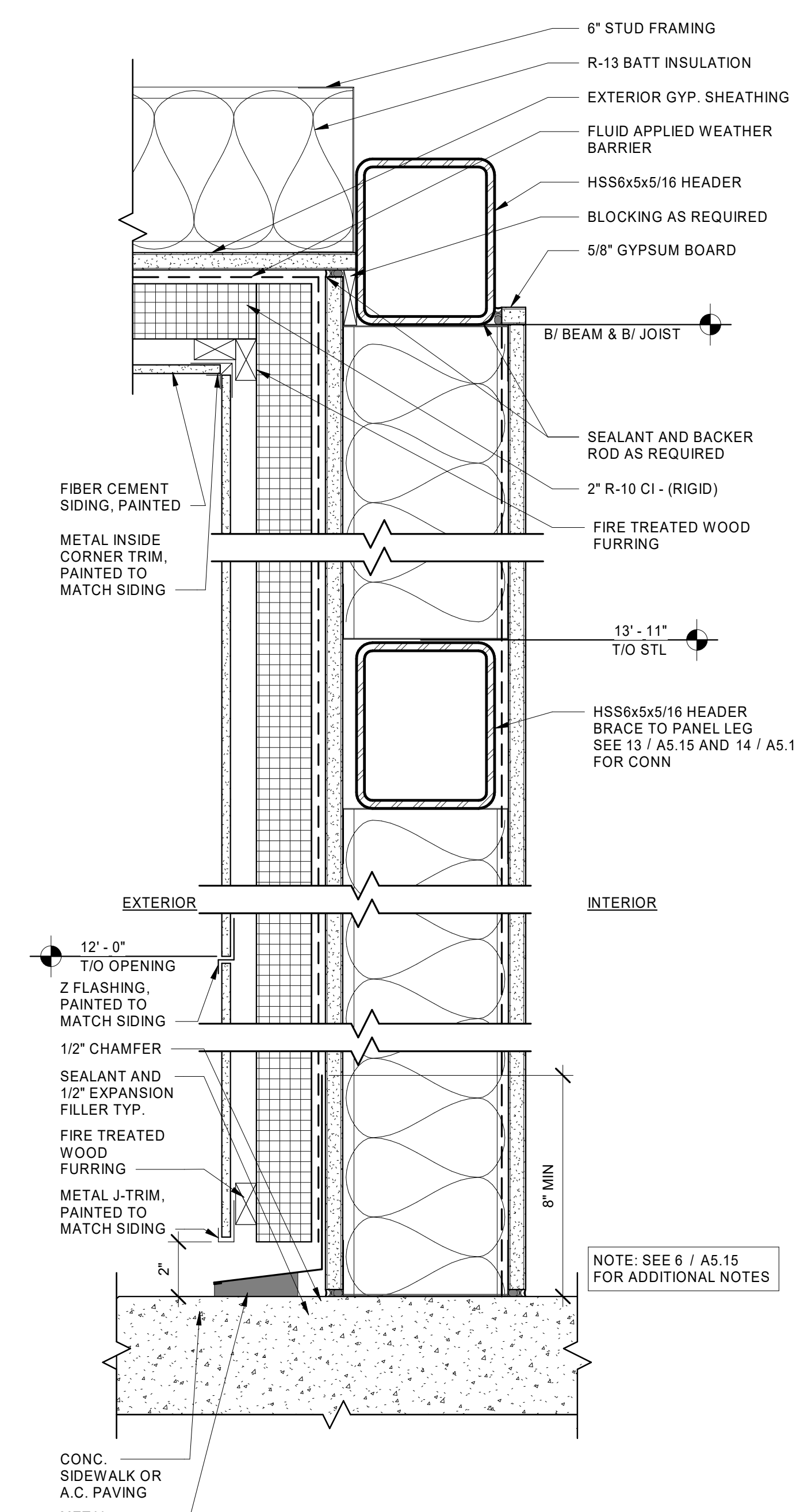
5 STOREFRONT DOOR SILL
A5.15 3" = 1'-0"



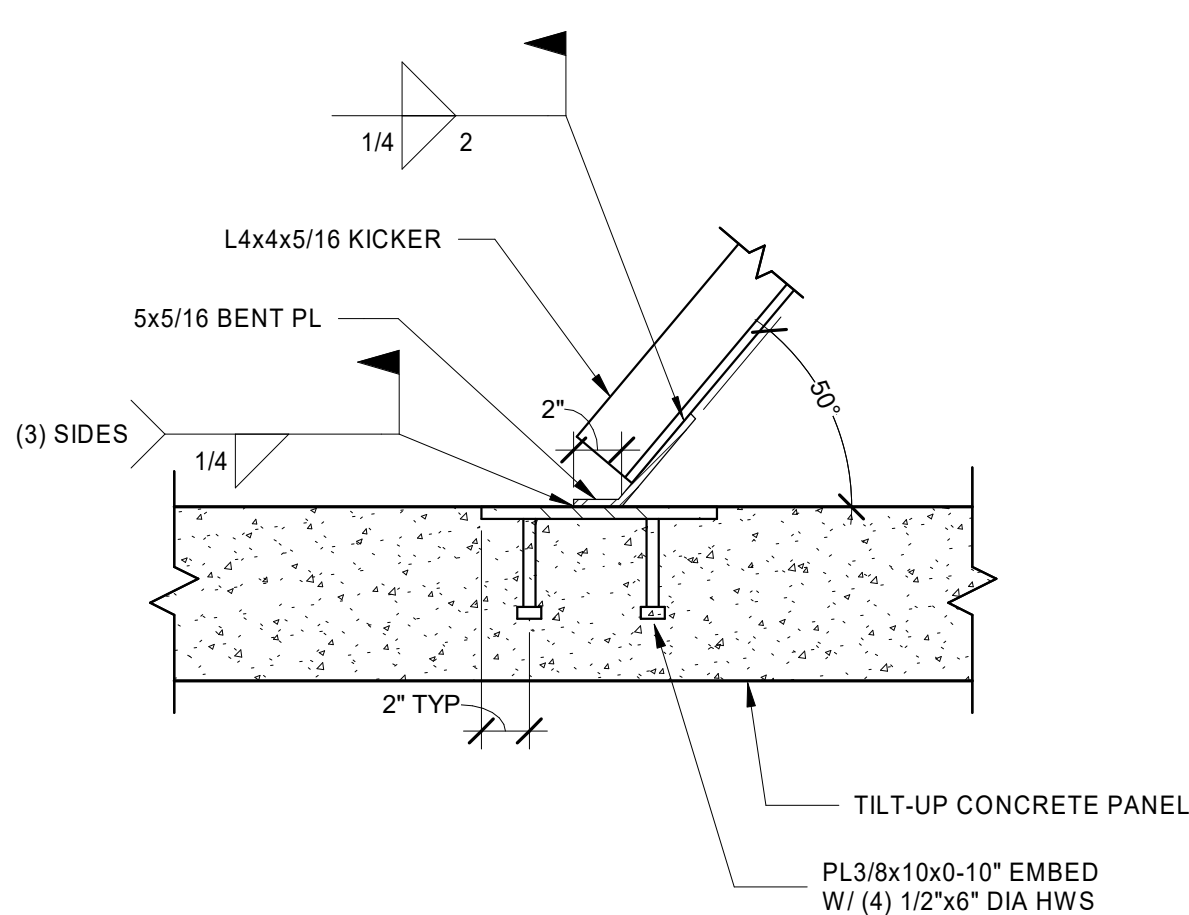
7 STOREFRONT HEAD SECTION
A5.15 3" = 1'-0"



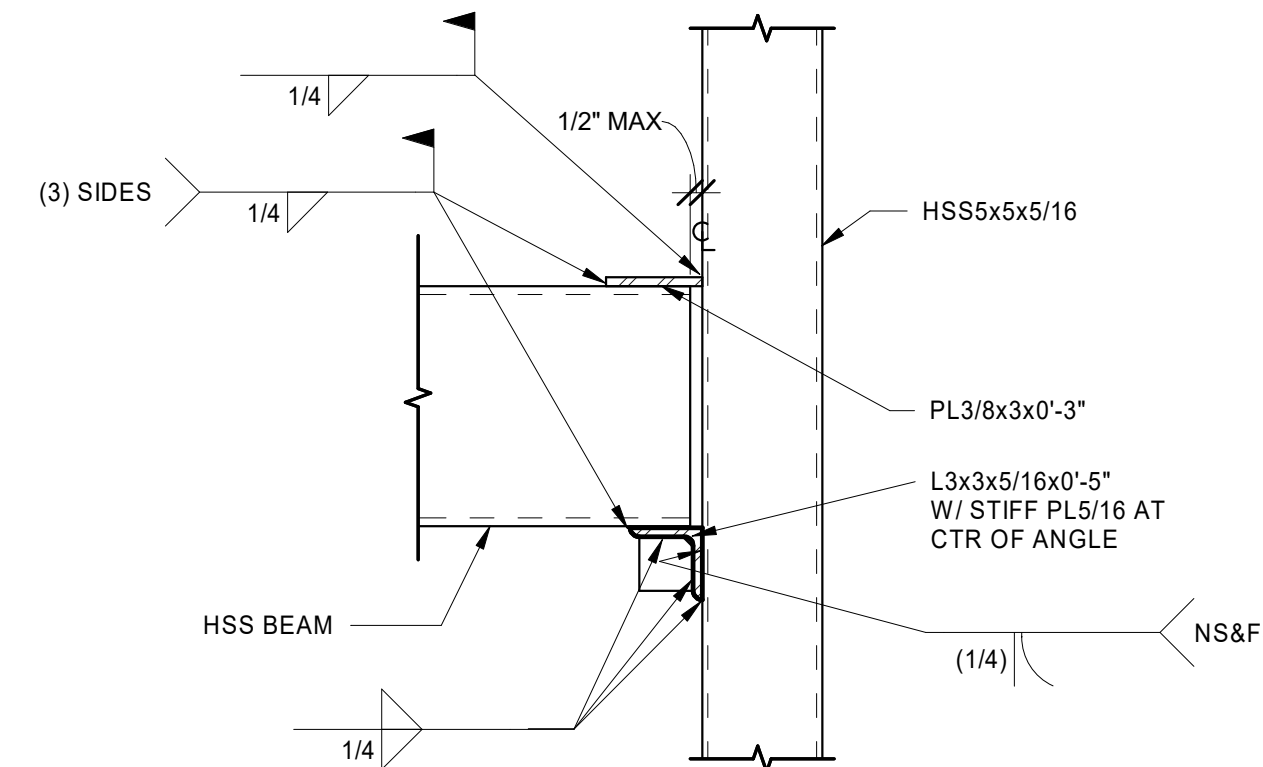
8 STOREFRONT HEAD & SILL SECTION
3" = 1'-0"



9 FIBER CEMENT SIDING SECTION
A5.15 3" = 1'-0"



12 ENTRANCE FRAMING KICKER TO PANEL
A5.15 1 1/2" = 1'-0"



14 HSS BEAM TO POST CONNECTION
A5.15 1 1/2" = 1'-0"

Mechanical/Electrical

70351
REGISTERED
ARCHITECT
BRENT D. H. CONWAY
STATE OF WASHINGTON

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[illegible]

SHEET TITLE:
**STOREFRONT
AND ENTRY
DETAILS**

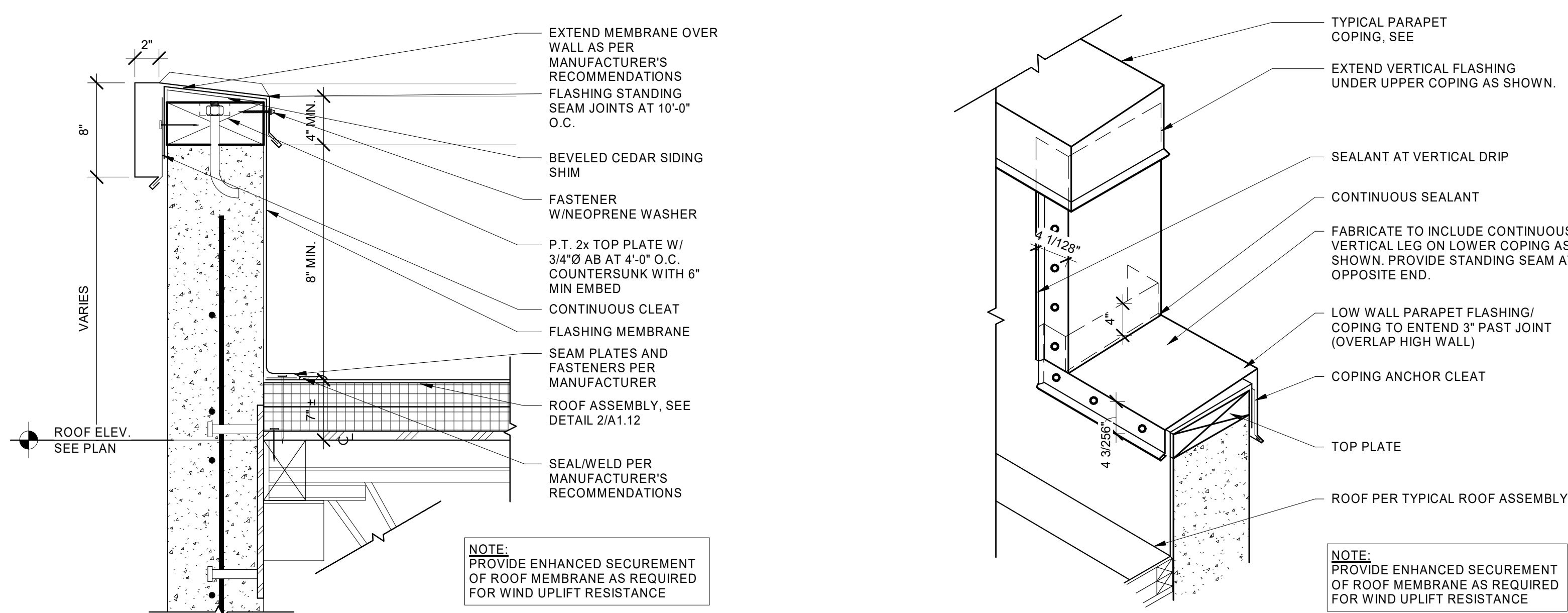
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A5.15

JOB NO. 2220290 00

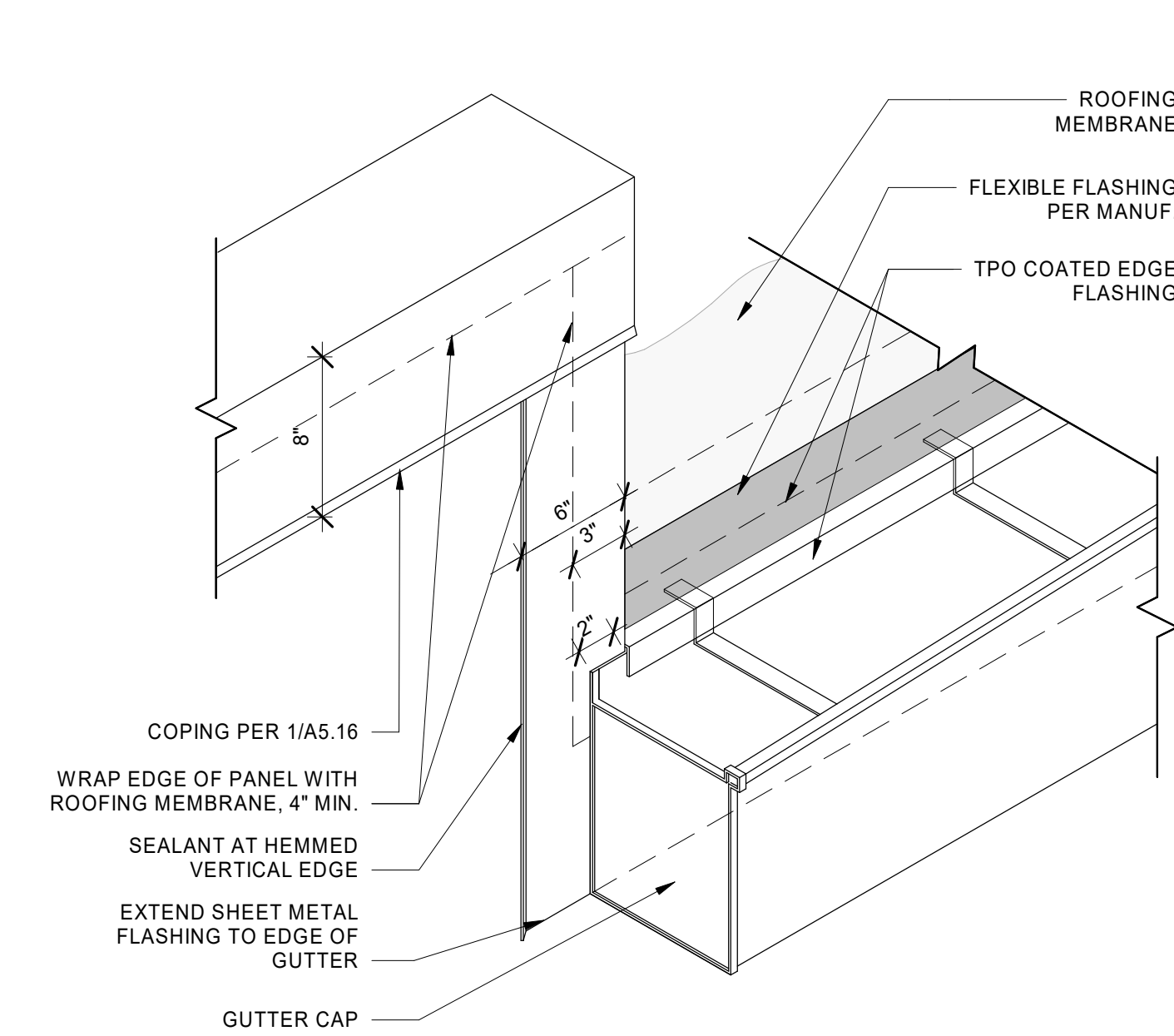
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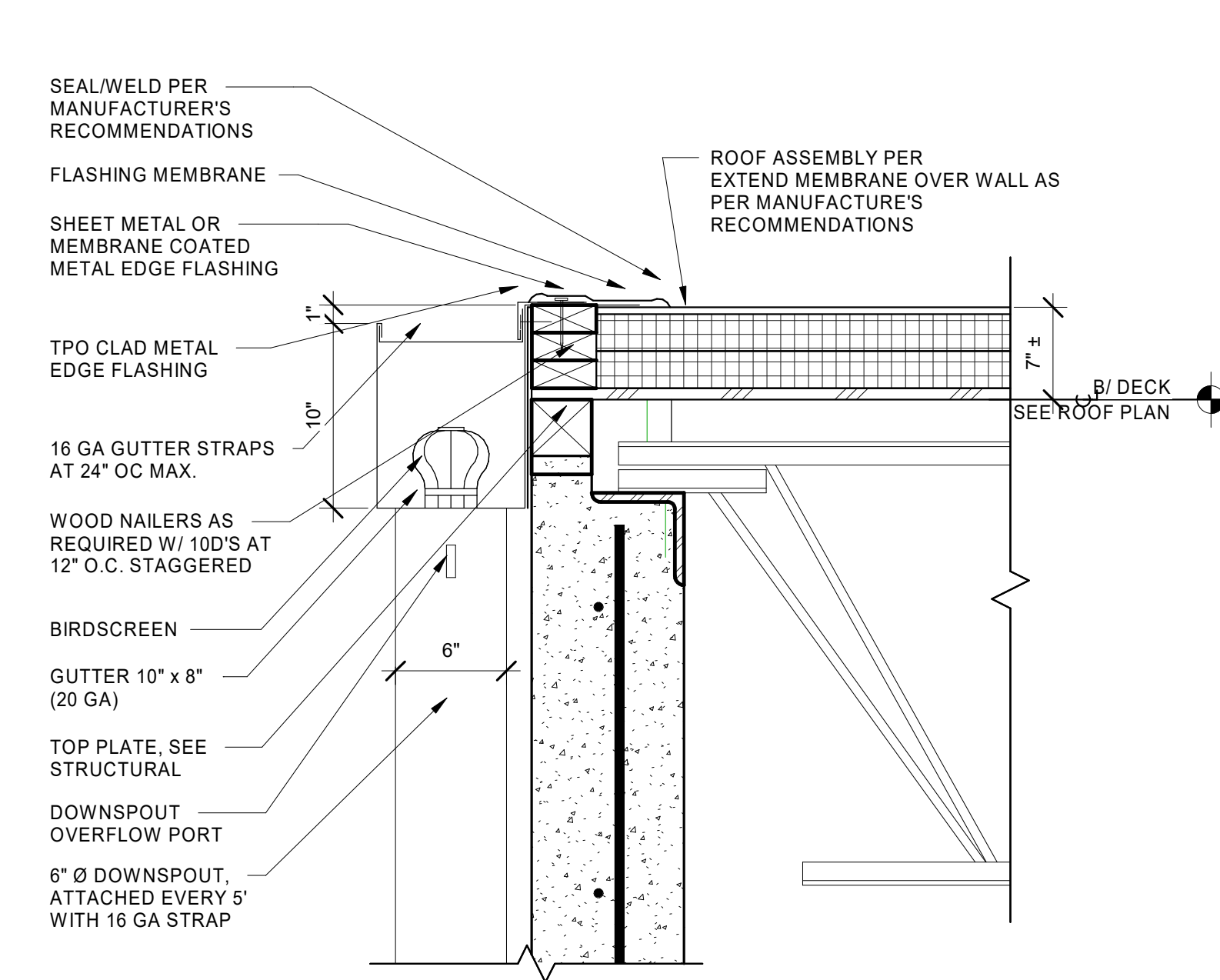


1 PARAPET FLASHING
1 1/2" = 1'-0"

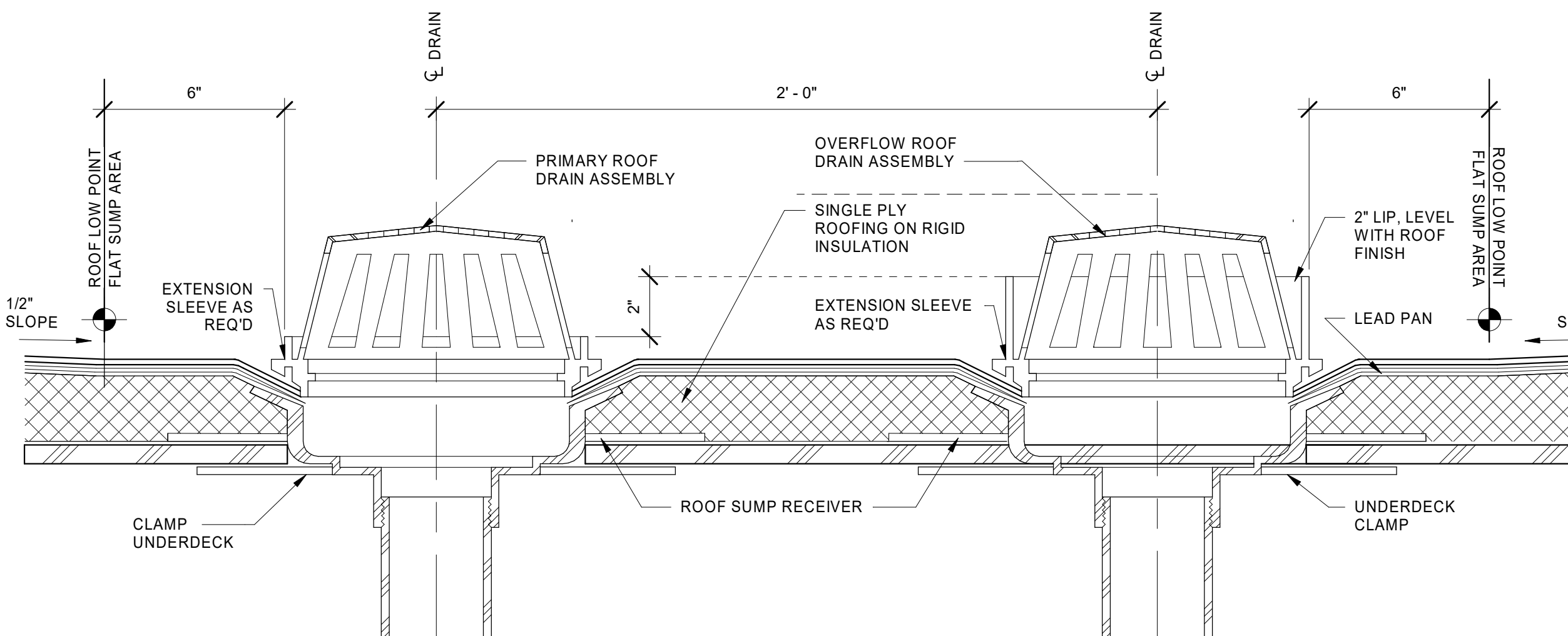
2 STEP AT PARAPET
1" = 1'-0"



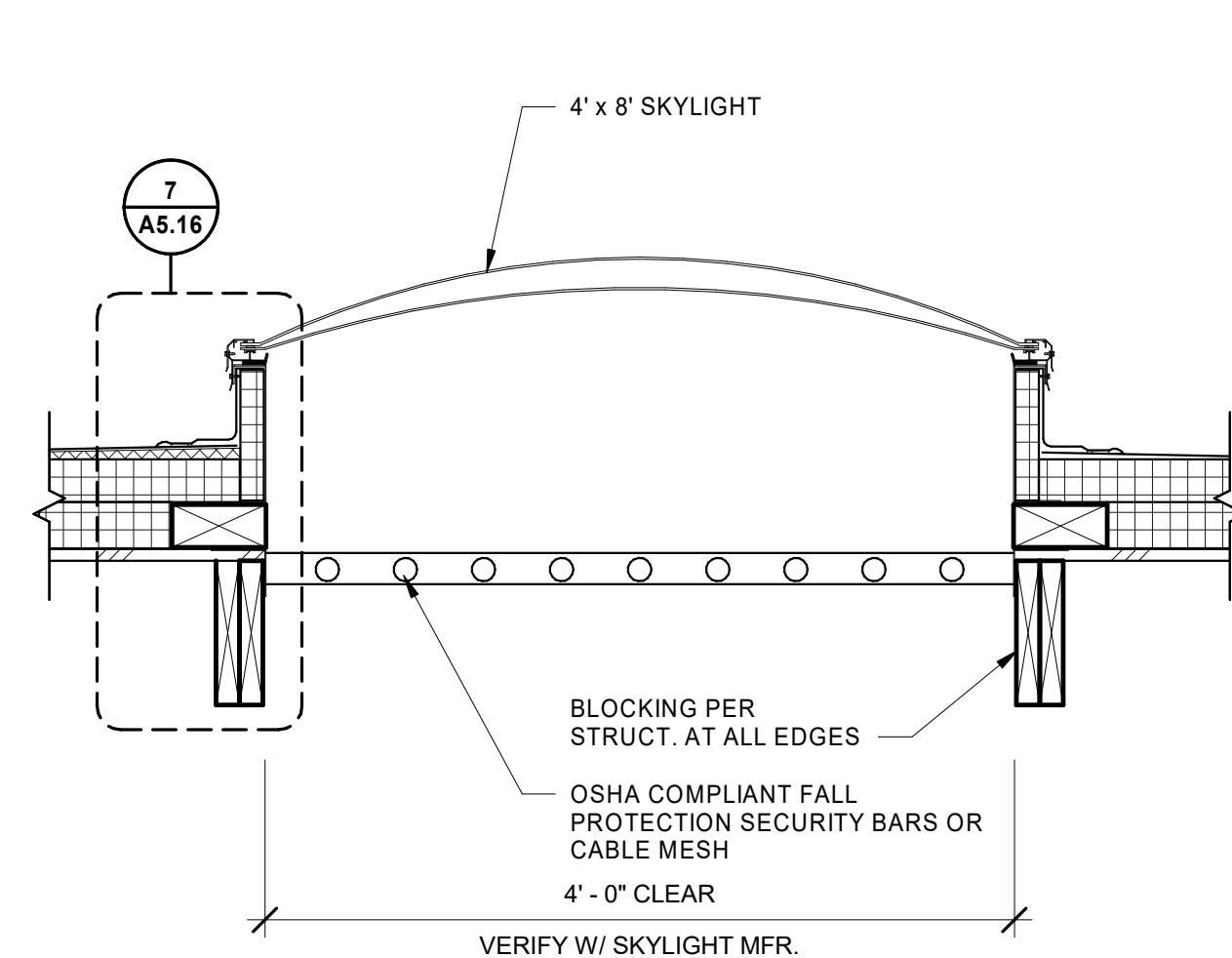
3 GUTTER TERMINATION
1 1/2" = 1'-0"



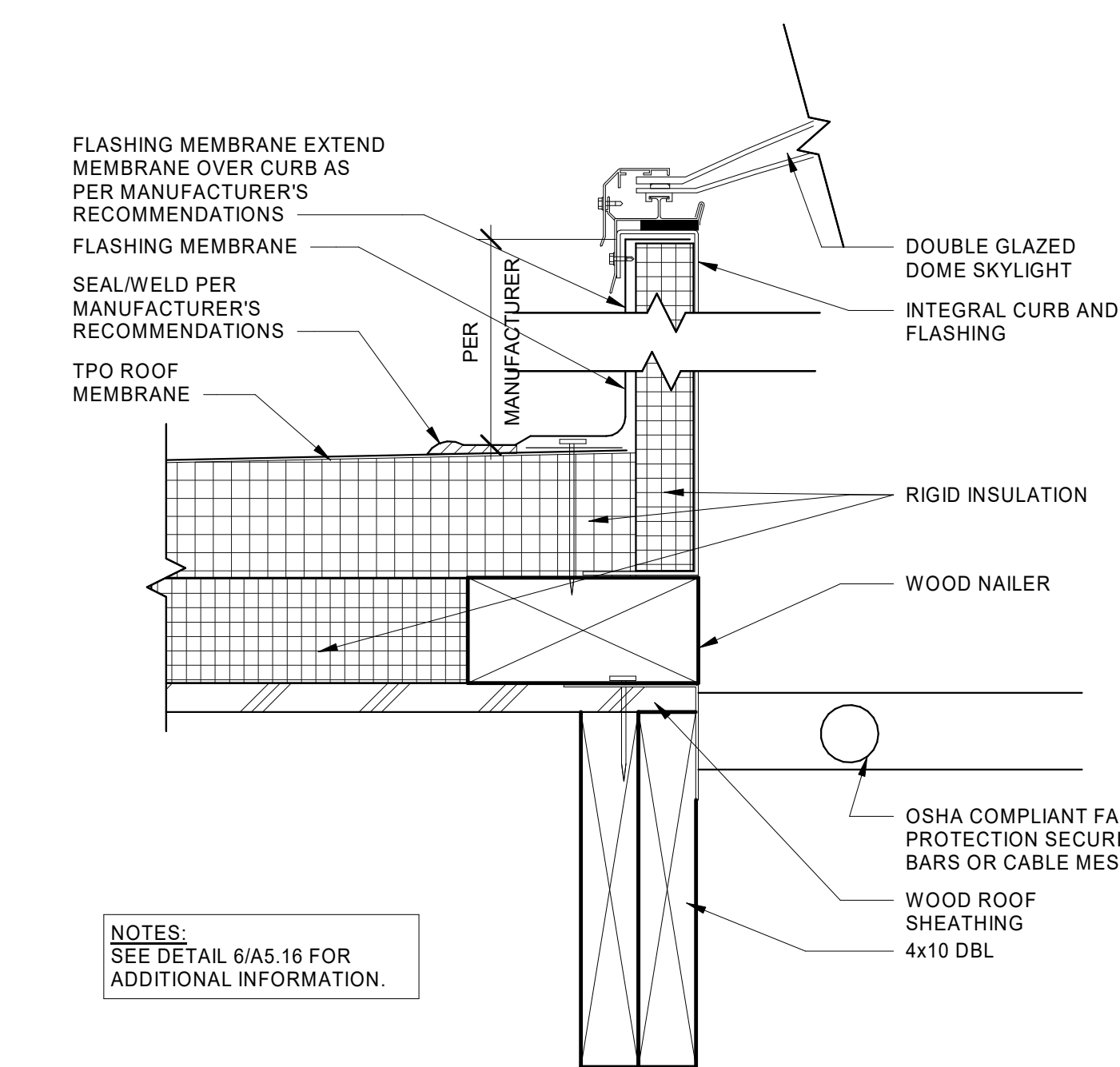
4 GUTTER EDGE
1 1/2" = 1'-0"



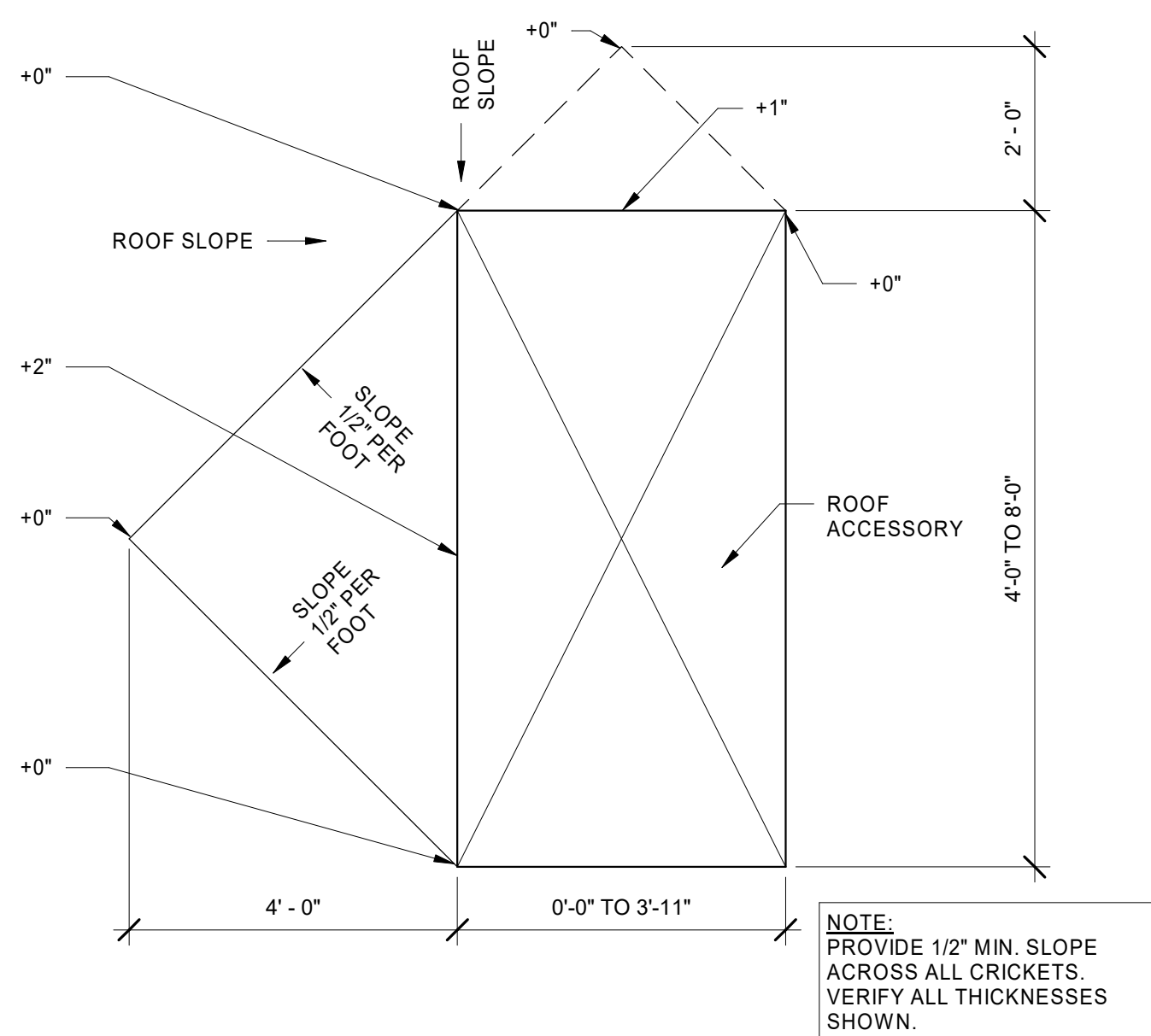
5 TRANSFER ROOF DRAIN SECTION
3" = 1'-0"



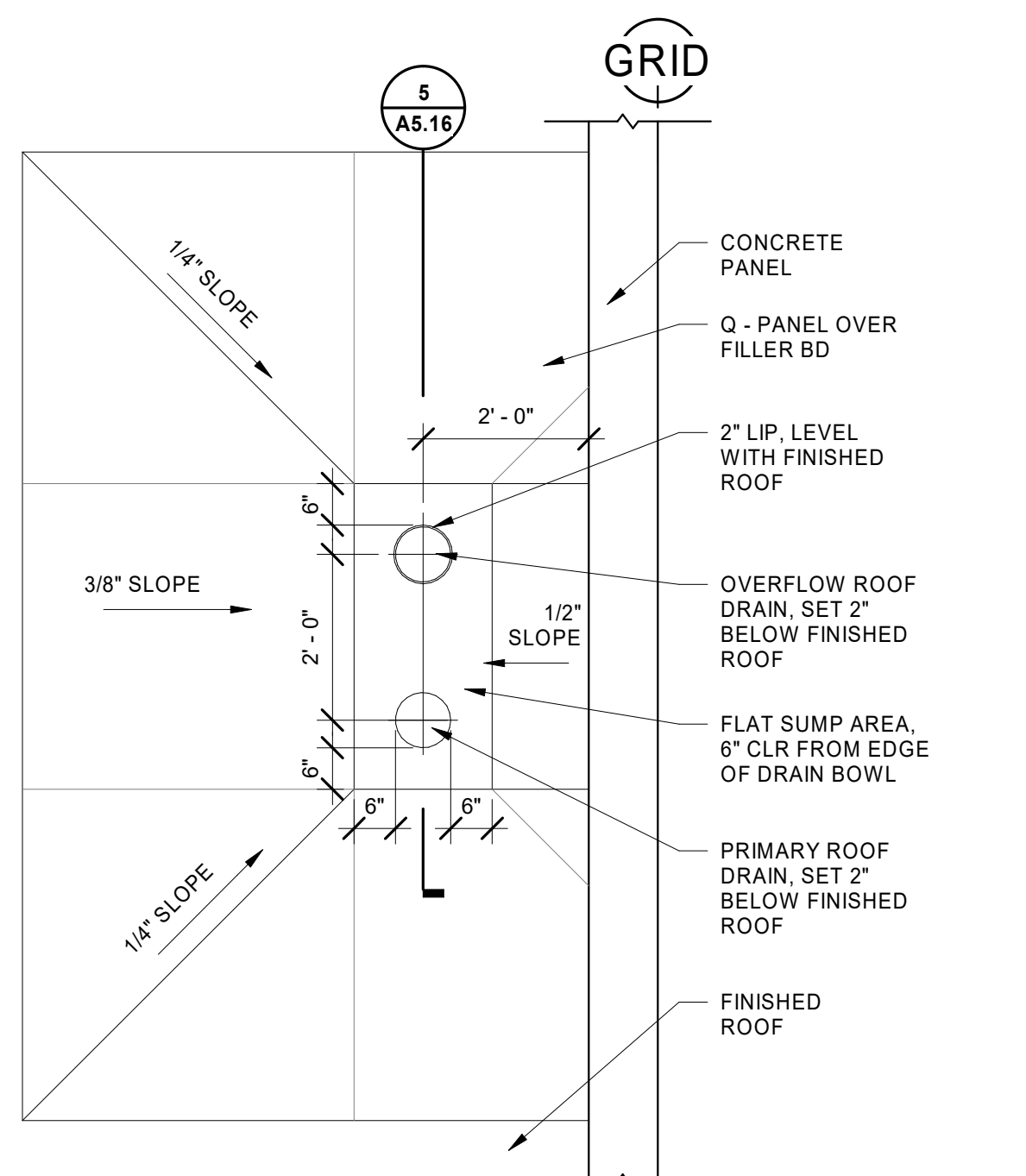
6 SKYLIGHT SECTION
1" = 1'-0"



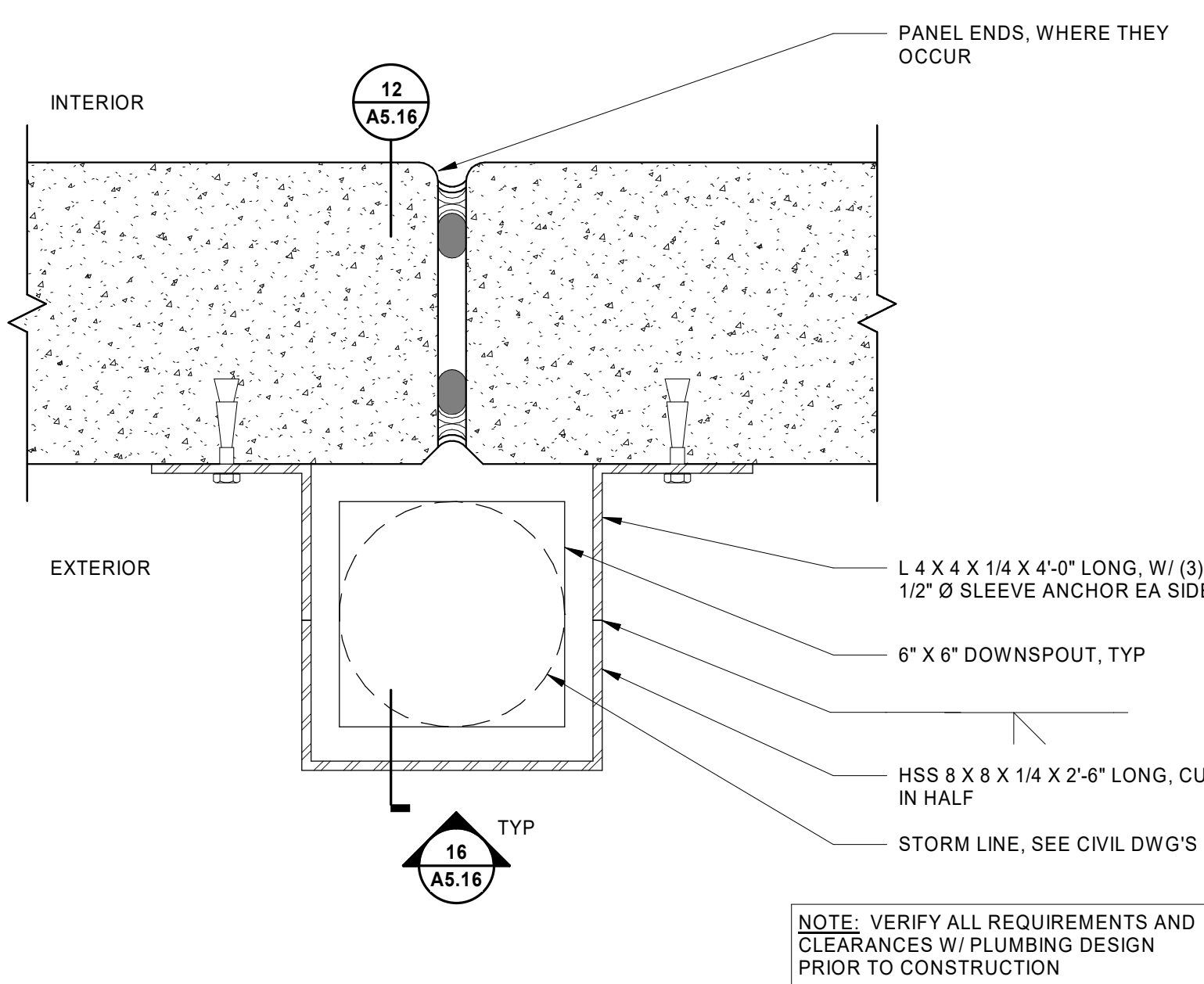
7 SKYLIGHT CURB
3" = 1'-0"



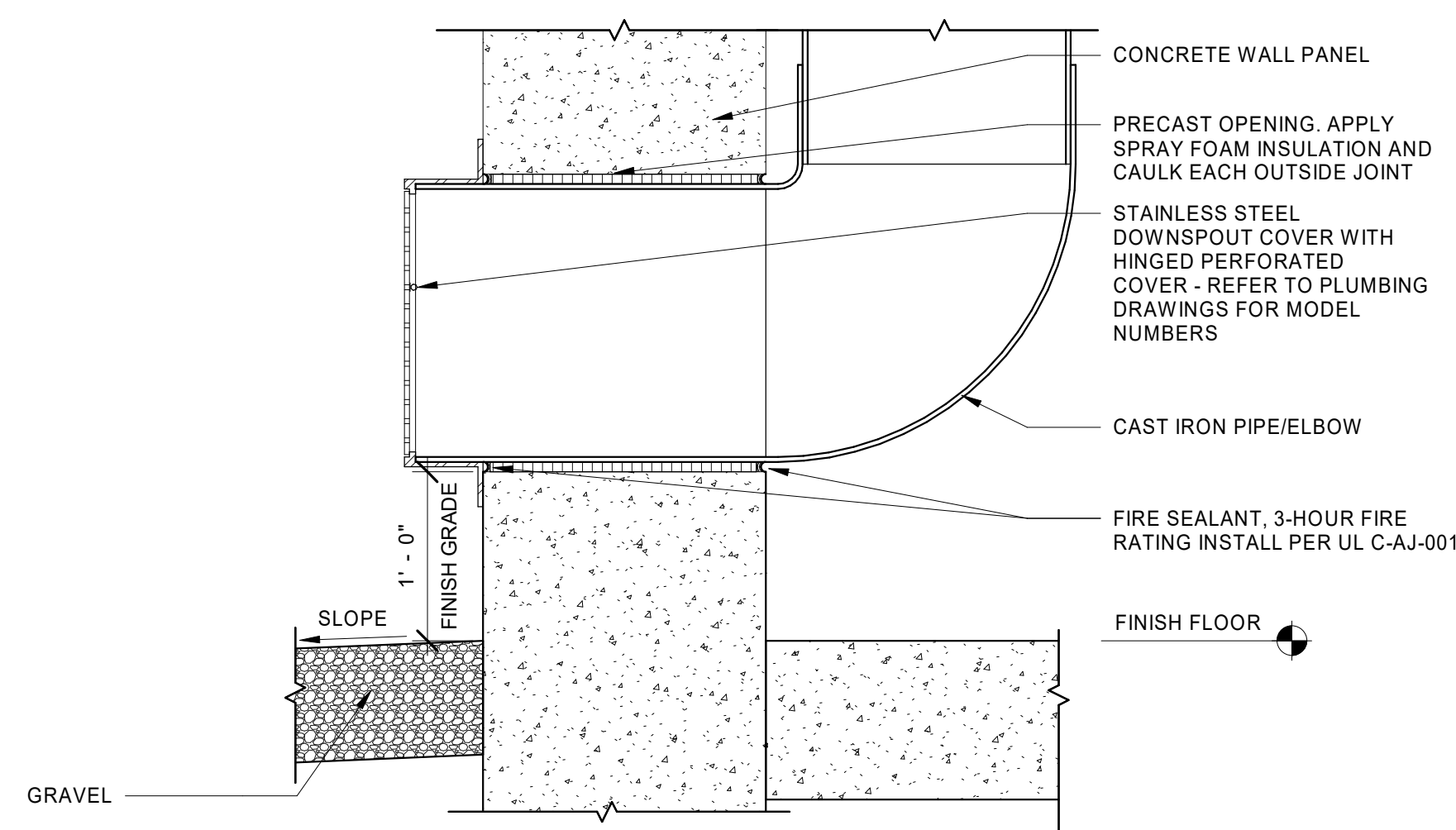
8 CRICKET PLAN
1/2" = 1'-0"



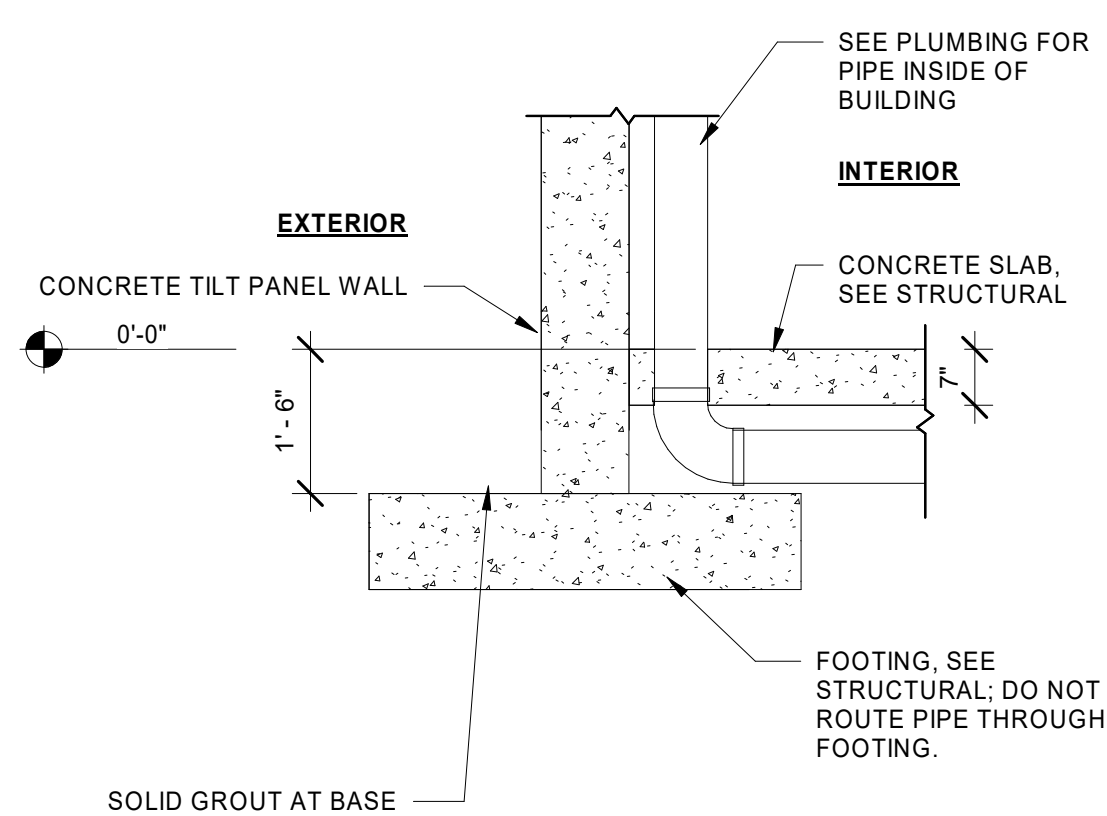
9 ROOF DRAIN PLAN
1/2" = 1'-0"



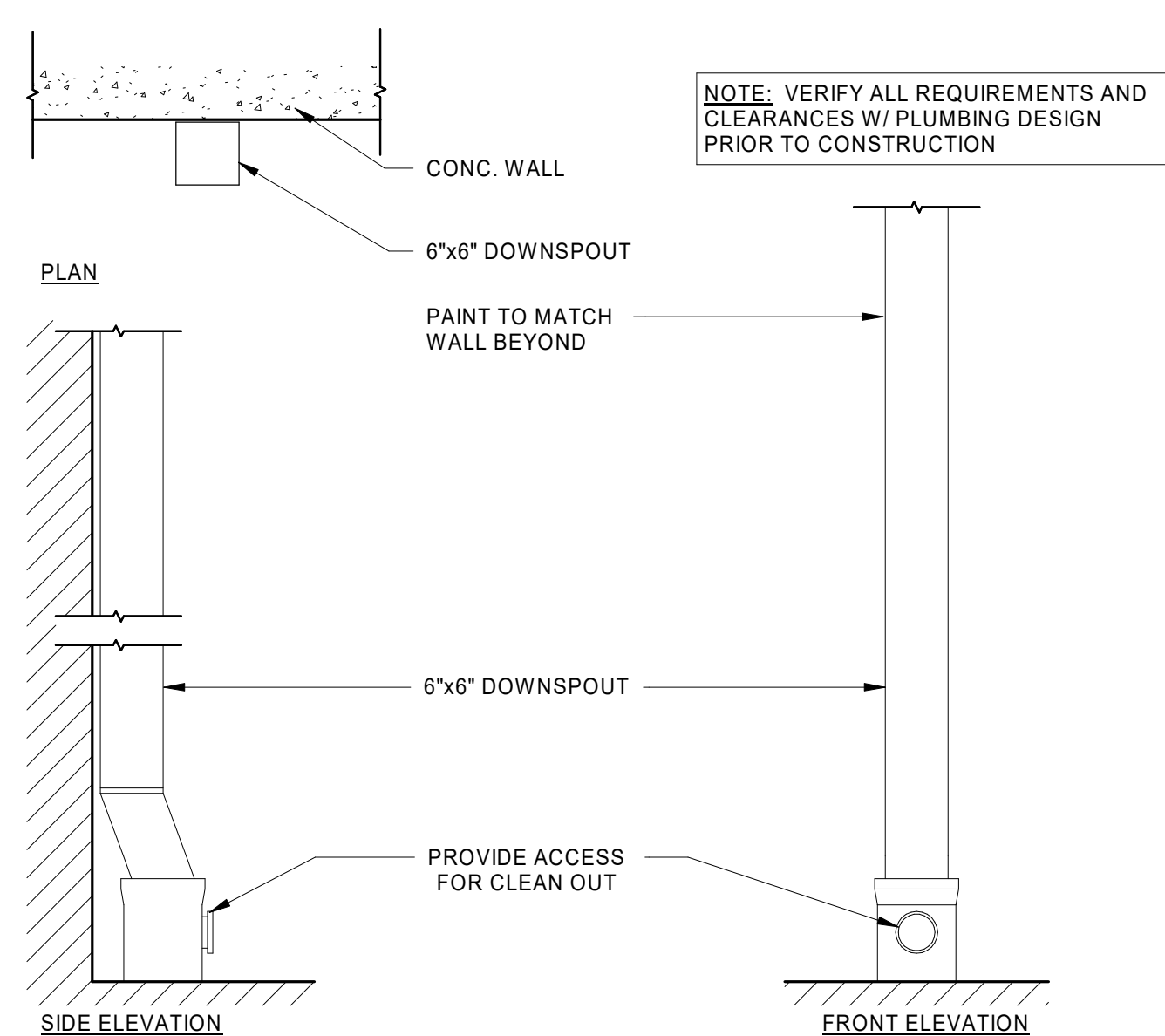
10 DOWNSPOUT GUARD PLAN
3" = 1'-0"



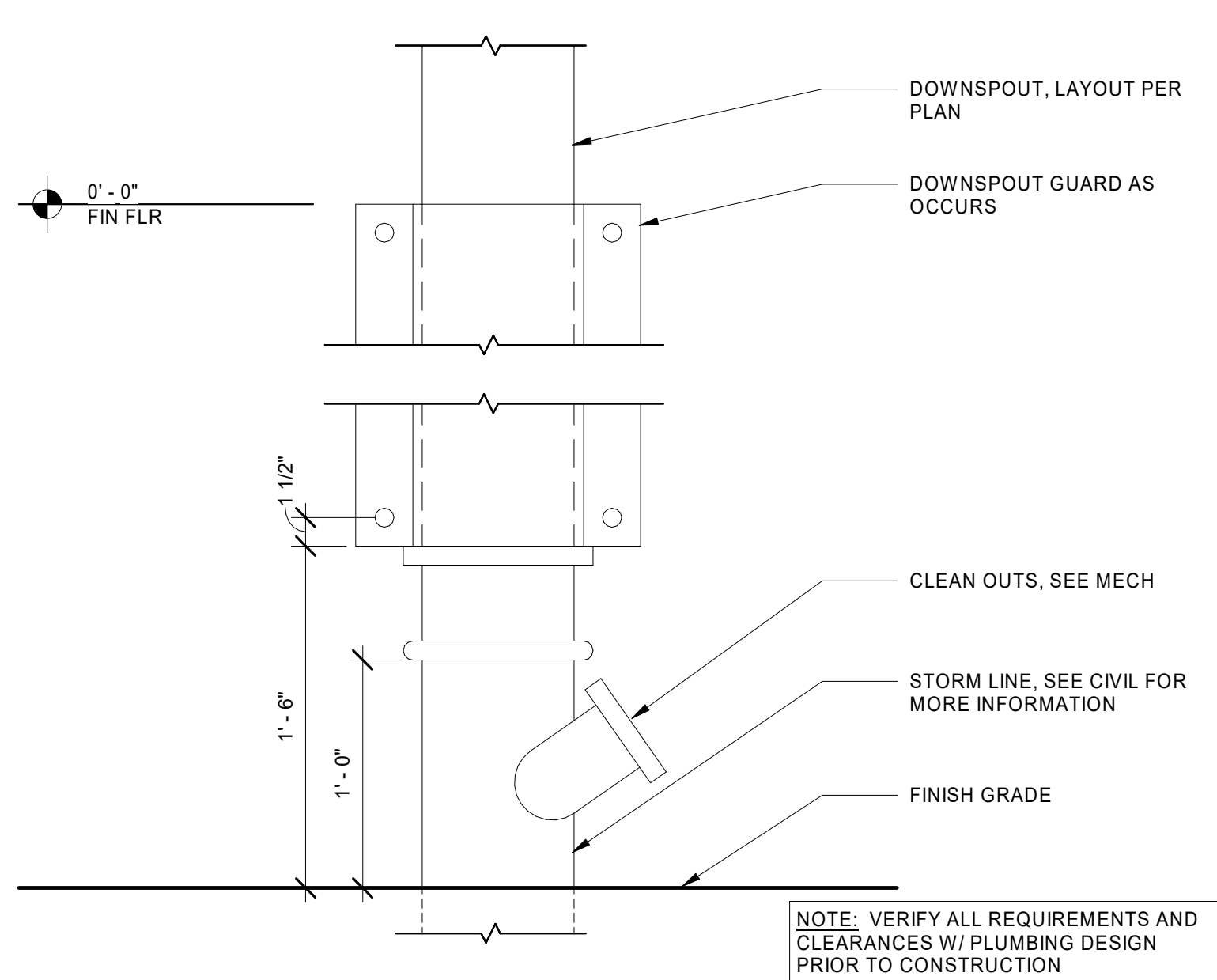
11 OVERFLOW DRAIN
1 1/2" = 1'-0"



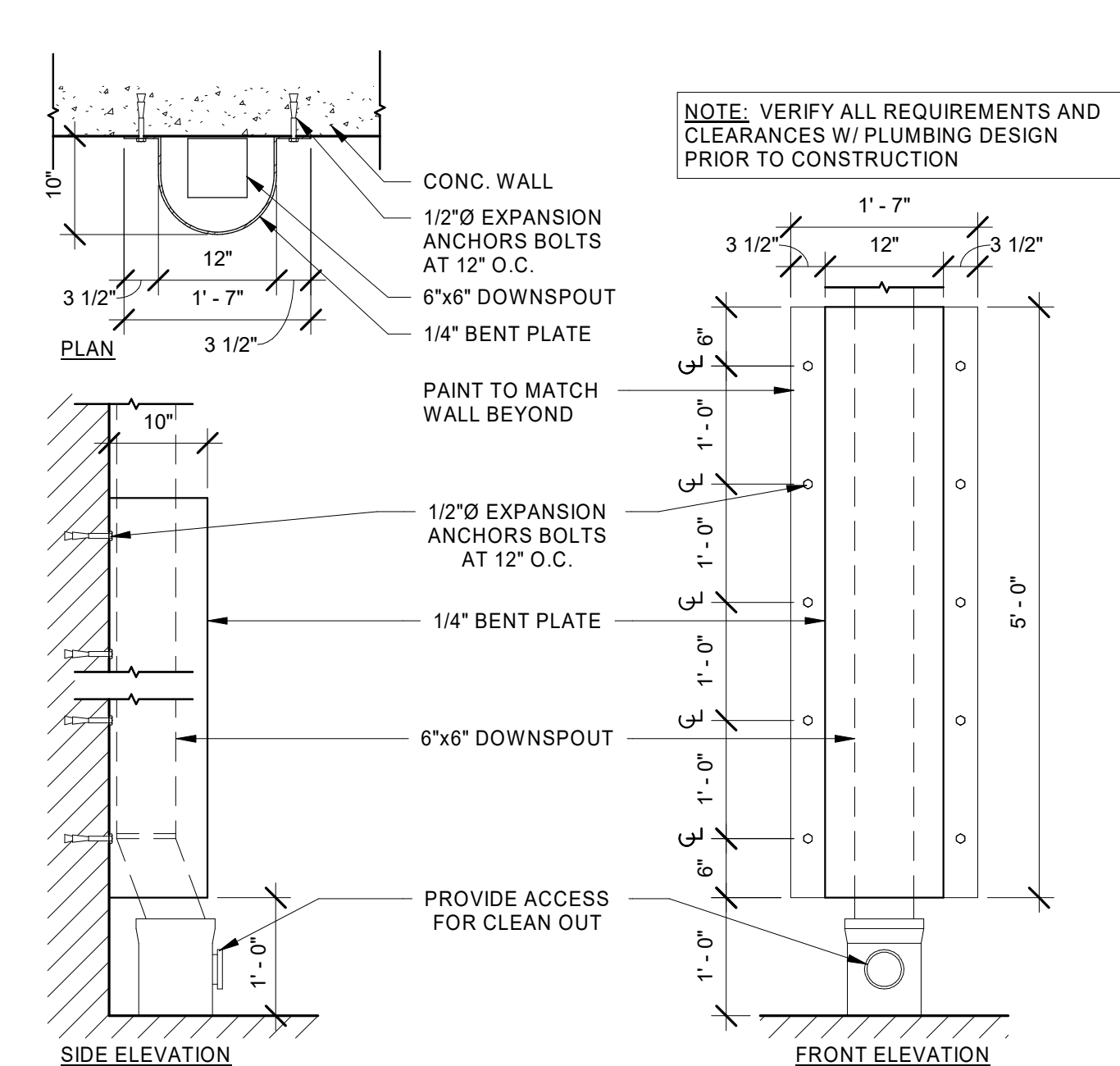
12 ROOF DRAIN @ SLAB
1/2" = 1'-0"



13 DOWNSPOUT
3/4" = 1'-0"



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



14 DOWNSPOUT GUARD
3/4" = 1'-0"

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SHEET TITLE:
ROOF DETAILS

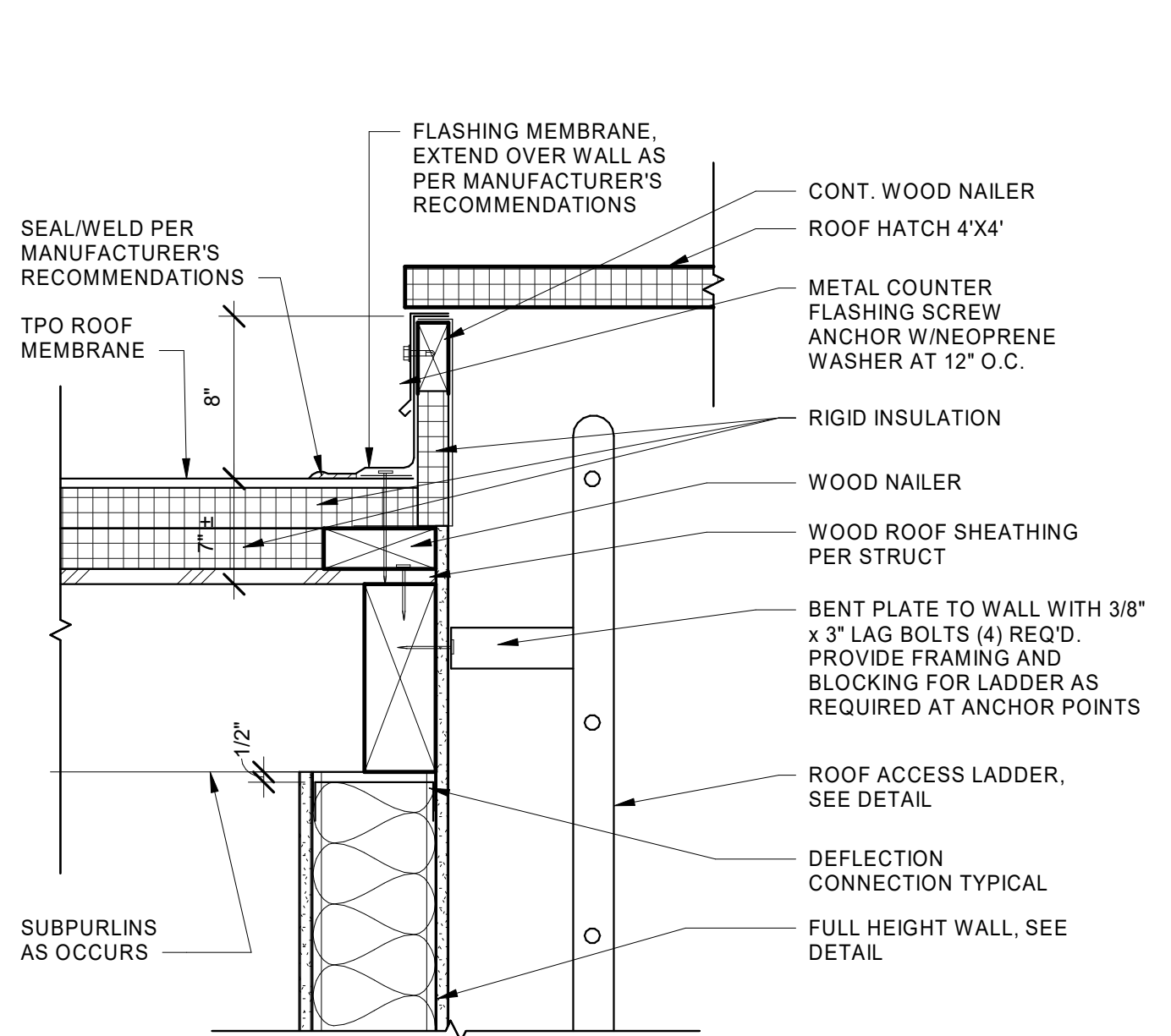
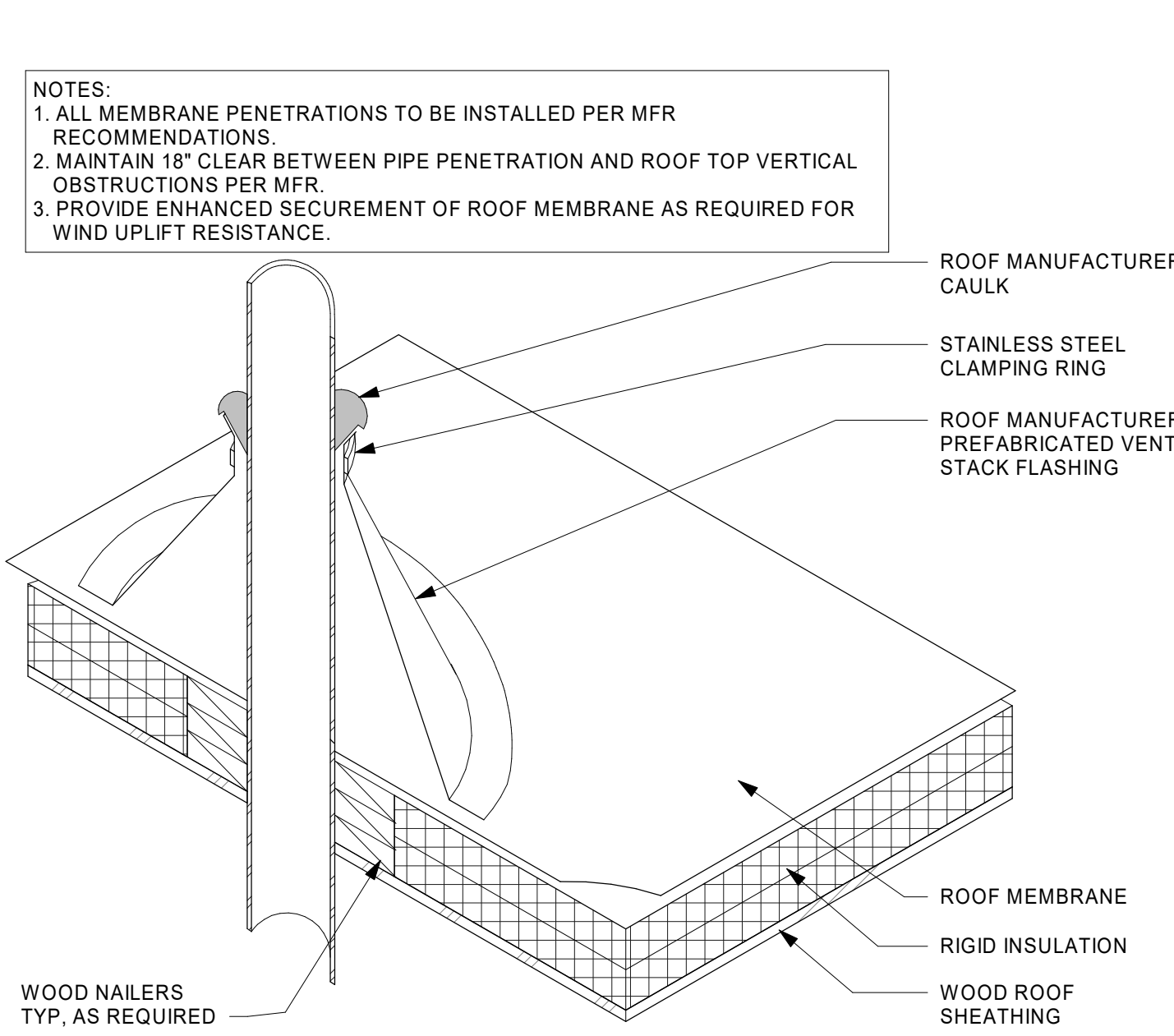
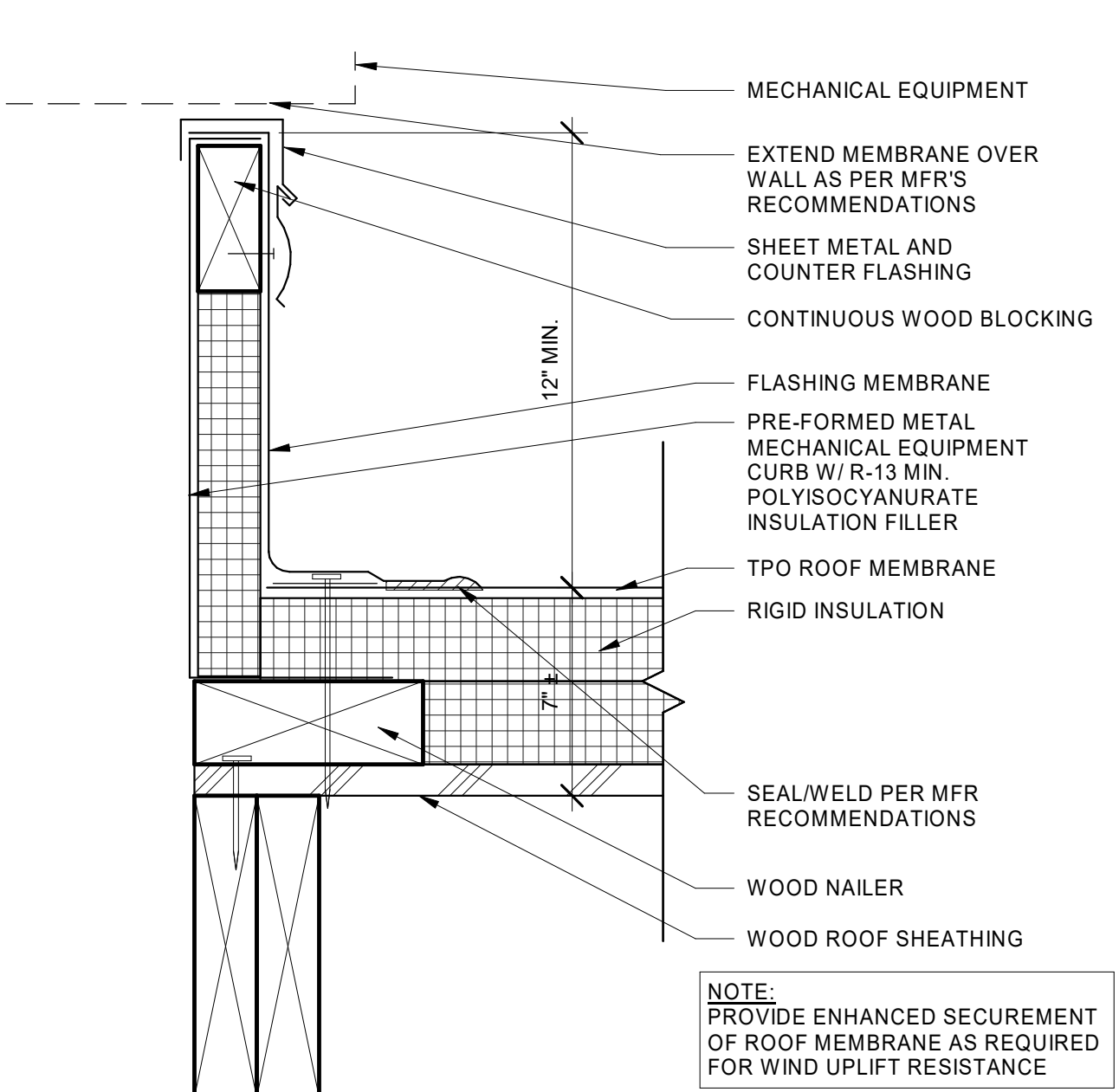
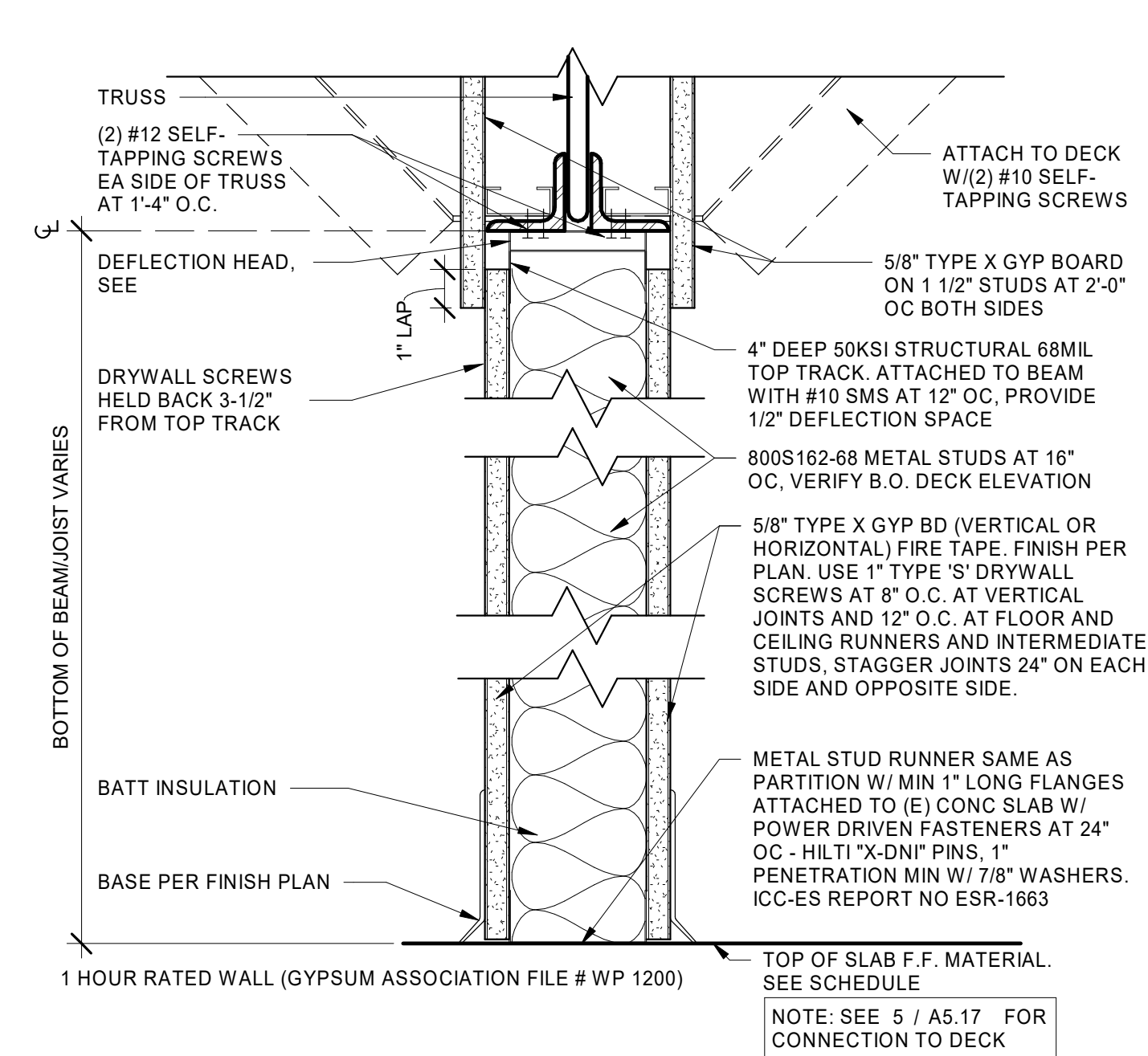
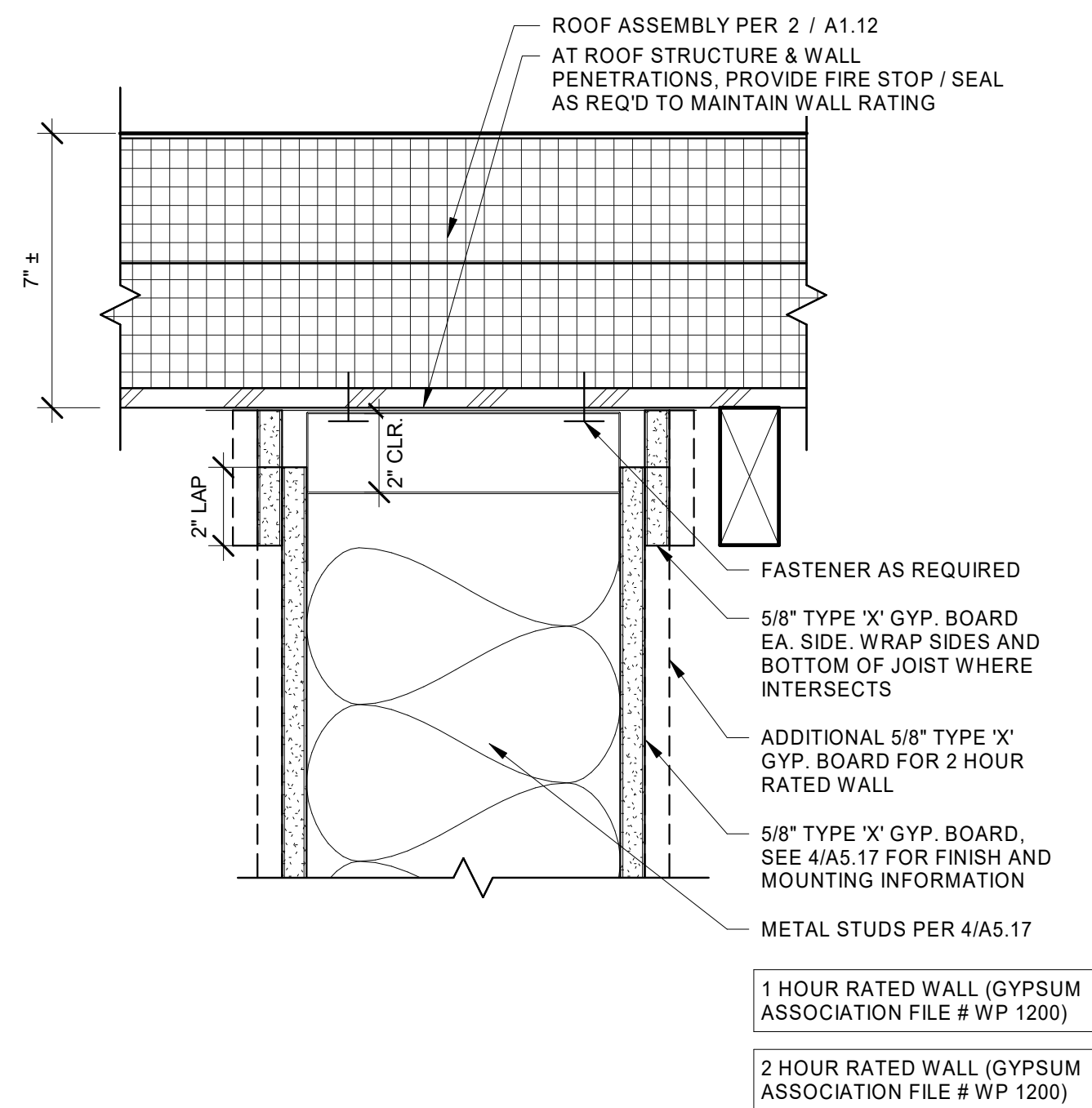
SHEET

A5.16

JOB NO. **2220290.00**

| REVISION SCHEDULE | | |
|-------------------|-----------|------------|
| Delta | Issued As | Issue Date |
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SHEET TITLE:
ROOF DETAILS
& INTERIOR
DETAILS



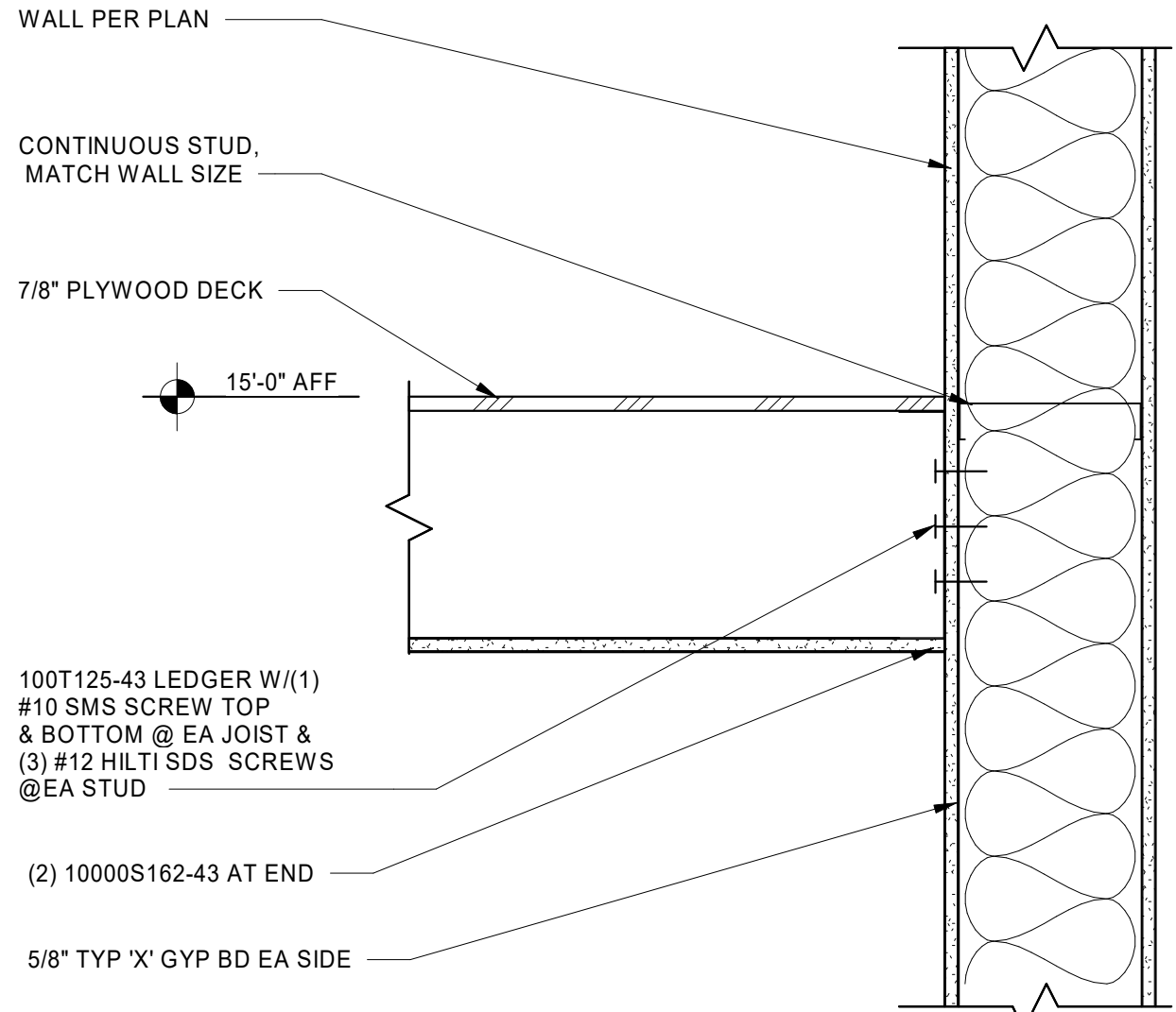
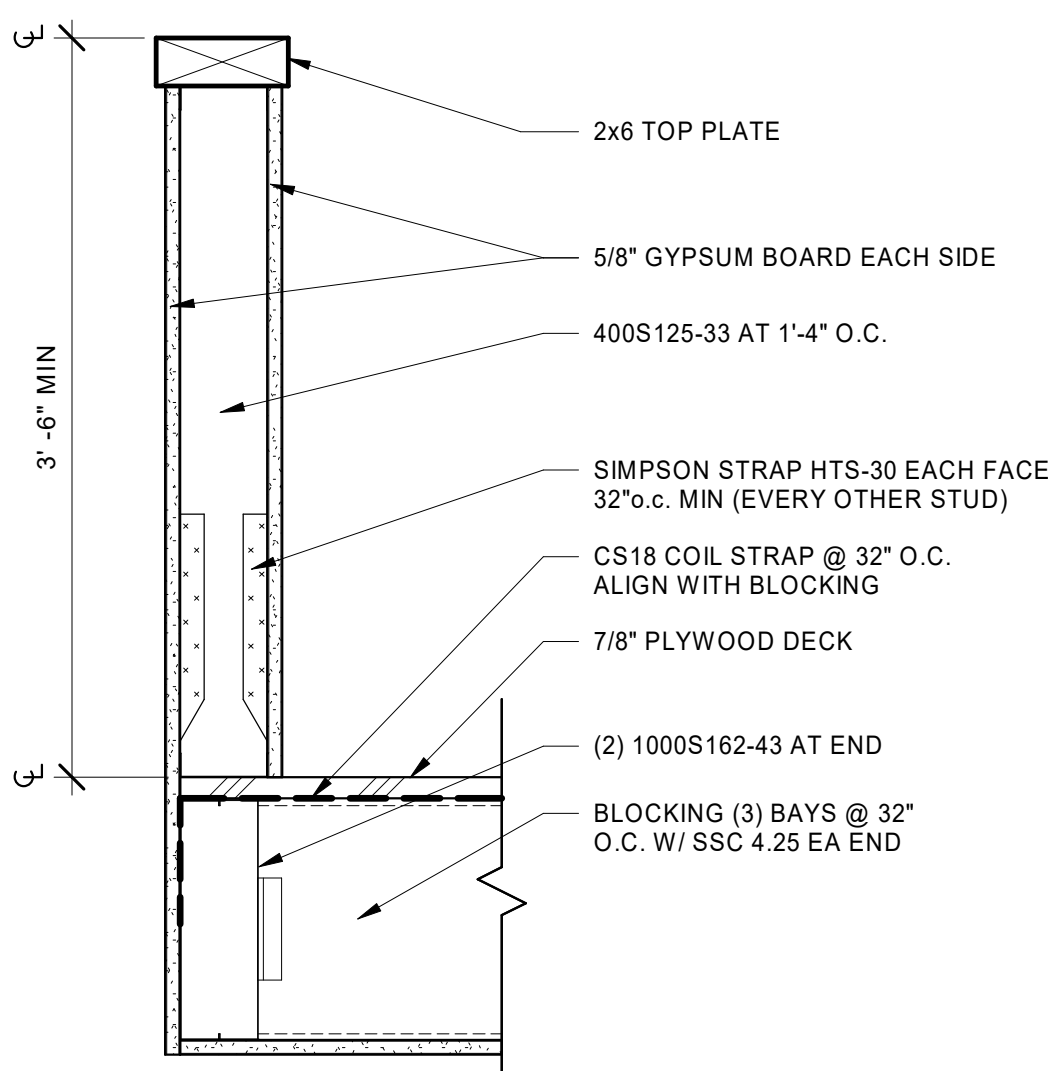
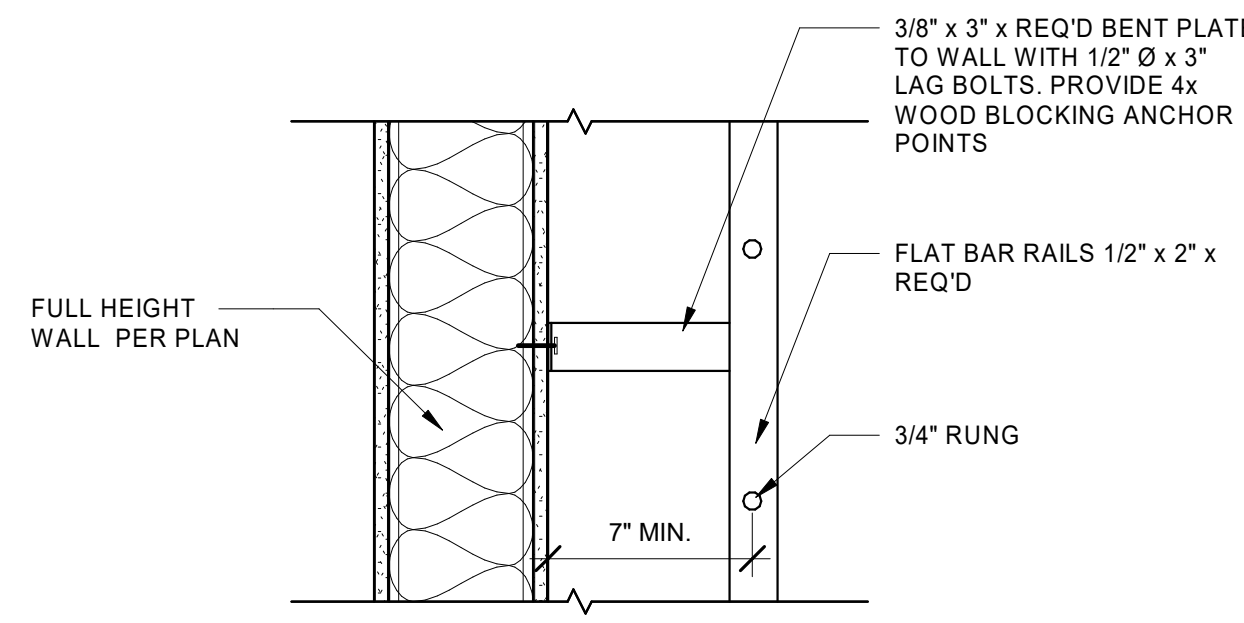
5 FULL HEIGHT WALL AT WOOD DECK
A5.17 3\"/>

4 FULL HEIGHT WALL
A5.17 3\"/>

3 MECHANICAL CURB
A5.17 3\"/>

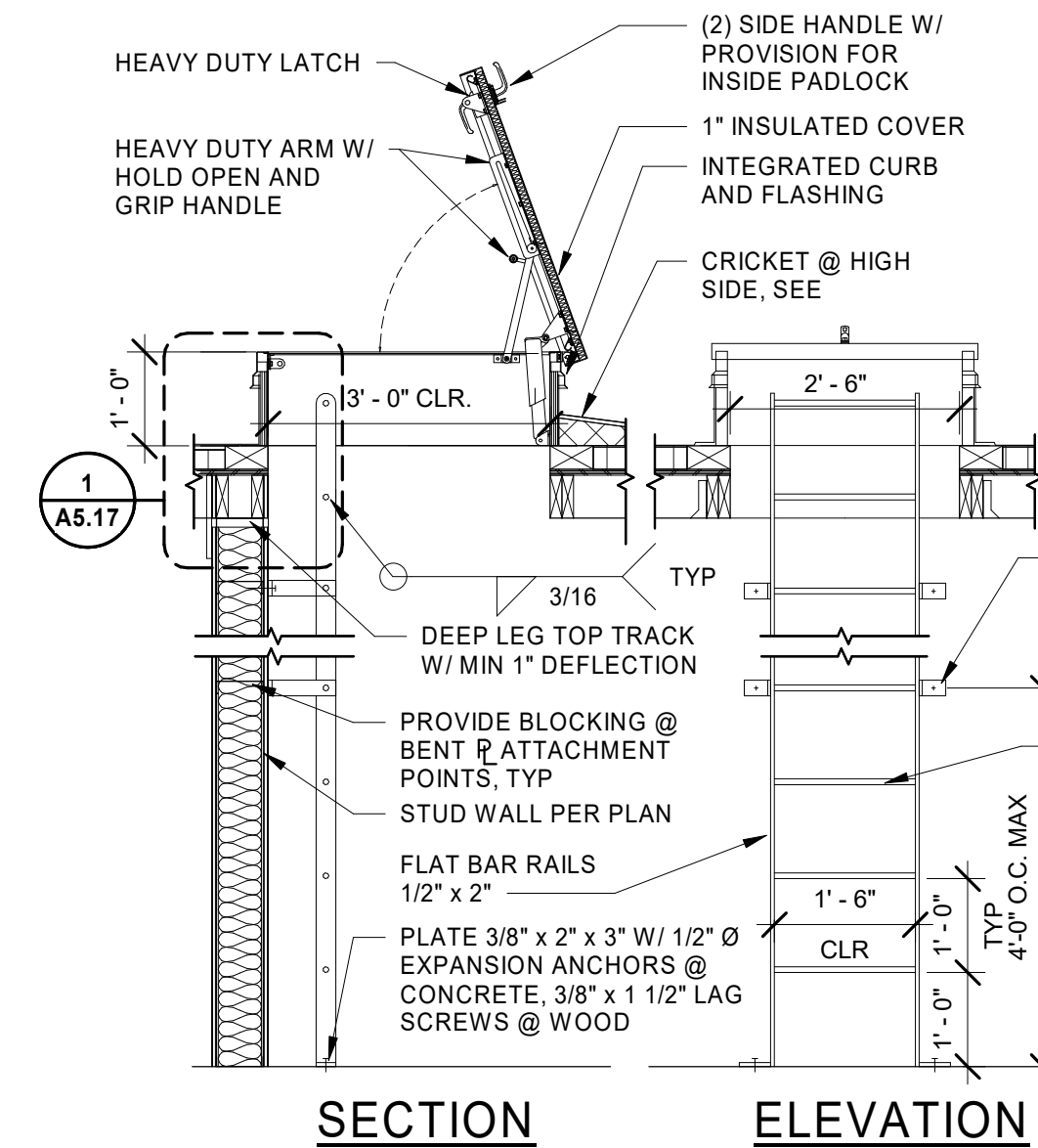
2 PIPE/CONDUIT FLASHING
A5.17 1 1/2\"/>

1 ROOF HATCH
A5.17 1 1/2\"/>



NOTE: CONTRACTOR VERIFY OVERALL HEIGHT OF ROOF ACCESS LADDER W/ LOCATION OF LADDER ON PLANS, FIELD VERIFICATION AND ROOF HATCH MANUFACTURER

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



7 ACCESS LADDER SECTION
A5.17 1 1/2\"/>

8 RAILING SECTION
A5.17 1 1/2\"/>

9 MEZZANINE
A5.17 1 1/2\"/>

6 ROOF ACCESS LADDER
A5.17 1/2\"/>



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Client




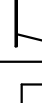















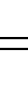

GROUP H4:

| | |
|---|----------------------------|
| 1 | FULL SET WEATHER STRIPPING |
| 1 | PANIC ALARM UPON OPENING |

Abstract

2220290.00

| HVAC ABBREVIATIONS | |
|--------------------|---------------------------------|
| AFF | ABOVE FINISHED FLOOR |
| BDD | BACKDRAFT DAMPER |
| BTUH | BRITISH THERMAL UNIT PER HOUR |
| CD | CEILING DIFFUSER |
| CFM | CUBIC FEET PER MINUTE |
| CU | CONDENSING UNIT |
| DB | DECIBEL |
| DH | DUCT HEATER |
| DOAS | DEDICATED OUTSIDE AIR SYSTEM |
| DN | DOWN |
| EE | EVAPORATOR COIL |
| EC | ENERGY EFFICIENCY RATIO |
| EF | EXHAUST FAN |
| EG | EXHAUST GRILLE |
| ERV | ENERGY RECOVERY VENTILATOR |
| ESP | EXTERNAL STATIC PRESSURE |
| EXH | EXHAUST |
| FCU | FAN COIL UNIT |
| FD | FIRE DAMPER, FLOOR DRAIN |
| FPM | FEET PER MINUTE |
| FSD | FIRE AND SMOKE DAMPER |
| GA | GAUGE |
| GF | GAS FURNACE |
| GRD | GRILLE, REGISTER, DIFFUSER |
| HP | HORSEPOWER, HEAT PUMP |
| ID | INSIDE DIMENSION |
| IHP | INDOOR (SECTION) HEAT PUMP |
| IRH | INFRARED HEATER |
| KW | KILOWATT |
| MBH | THOUSAND BTU PER HOUR |
| MCD | MOTORIZED CONTROL DAMPER |
| NC | NOISE CRITERIA |
| NIC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| OBD | OPPOSED BLADE DAMPER |
| OC | ON CENTER |
| OD | OUTSIDE DIMENSION OR DIAMETER |
| OH | OUTDOOR HEAT PUMP |
| OSA | OUTSIDE AIR |
| OSCI | OWNER SUPPLIED CONTR. INSTALLED |
| POC | POINT OF CONNECTION |
| RA | RETURN AIR |
| RAG | RETURN AIR GRILLE |
| RPM | REVOLUTIONS PER MINUTE |
| RTU | ROOFTOP UNIT |
| SA | SUPPLY AIR |
| SG | SUPPLY GRILLE |
| SP | STATIC PRESSURE |
| SSG | SIDEWALL SUPPLY GRILLE |
| TB | TO BE DETERMINED |
| TG | TRANSFER GRILLE |
| TYP | TYPICAL |
| UH | UNIT HEATER |
| VFD | VARIABLE FREQUENCY DRIVE |
| VTR | VENT TO ROOF |
| VVT | VARIABLE VOLUME AND TEMPERATURE |

| HVAC LEGEND | |
|---|-------------------------|
|  | INLINE EXHAUST FAN(S) |
|  | ROOFTOP EXHAUST FAN |
|  | SIDEWALL EXHAUST FAN |
|  | VAV FAN BOX |
| | CEILING EXHAUST FAN |
|  | GAS METER |
|  | VVT DAMPER |
|  | THERMOSTAT |
|  | T-BAR SUPPLY DIFFUSER |
|  | T-BAR RETURN GRILLE |
|  | HARDLID SUPPLY DIFFUSER |
|  | HARDLID RETURN GRILLE |
|  | FIRE DAMPER |
|  | FIRE SMOKE DAMPER |
|  | VOLUME DAMPER |
|  | SMOKE DETECTOR |
|  | FLEXIBLE DUCT SA/RA |
|  | ROUND DUCT UP |
|  | ROUND DUCT DOWN |
|  | DIFFUSER TAG |

| HVAC NOTES | |
|------------|--|
| 1. | DUCT INSULATION TO MEET THE REQUIREMENTS OF SECTION C403.10 OF THE 2018 WSEC AND SECTION 604 OF THE IECC (INTERNATIONAL ENERGY CONSERVATION CODE). |
| 2. | SMOKE DETECTOR(S) INSTALLED IN MAIN RETURN AIR DUCTS PER SECTION 606 OF THE 2018 IMC. HVAC SMOKE DETECTORS SHALL SHUT DOWN POWER TO THE UNIT UPON ACTIVATION AND A "SUPERVISORY" ZONE SHALL BE INITIATED AT FIRE ALARM PANEL UPON SMOKE DETECTOR ACTIVATION. 2018 IMC SECTION 606.4 & 604.6.1. |
| 3. | SUPPLY & RETURN AIR DUCT IS MIN. R-6 IN UNCONDITIONED SPACES & MIN. R-8 WHEN LOCATED OUTSIDE OF BUILDING AS PER THE 2018 WSEC C403.10.2. |
| 4. | ALL SINGLE PACKAGE HVAC UNITS SHALL BE INSTALLED WITH ECONOMIZERS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS PER 2018 IMC, SECTION 403 AND SHALL OPERATE PER 2018 WSEC, SECTION C403.5.1. |
| 5. | EQUIPMENT INSTALLATION INSTRUCTIONS TO BE ON-SITE FOR INSPECTIONS. |
| 6. | ALL HVAC EQMT. TO BE LABELED TO THE SPACE SERVED. |
| 7. | DUCTS TO BE SUPPORTED AT EACH DIRECTION CHANGE VERTICAL AT 12'-0" MAX., HORIZONTAL AT 10'-0" MAX. WITH STRAP, OR 8'-0" MAX. TRAPEZE SUPPORT. |
| 8. | THERMOSTAT TO BE SEVEN-DAY TYPE AND HAVE NIGHT SETBACK WITH 5 DEGREE DEADBAND. |
| 9. | THE HVAC INSTALLATION SHALL BE COMPLETE WHEN ALL SECTIONS OF 2018 WSEC C408 HAVE BEEN SATISFIED. THIS SHALL INCLUDE AS-BUILT DRAWINGS, SUBMITTALS, O&M MANUALS, SYSTEM BALANCE REPORT, AND A COMMISSIONING REPORT. |
| 10. | DUCT SEALING SHALL MEET REQUIREMENTS OF 2018 WSEC C403.10.2. DUCT WORK WHICH IS DESIGNATED TO OPERATE AT PRESSURES ABOVE 1/2" WATER COLUMN STATIC PRESSURE SHALL BE SEALED AS FOLLOWS: |
| 1. | STATIC PRESSURE 1/2 INCH TO 2 INCHES: SEAL ALL TRANSVERSE JOINTS AND LONGITUDINAL SEAMS. SPIRAL LOCK SEAMS IN ROUND AND FLAT OVAL DUCT WORK DO NOT REQUIRE SEALING; HOWEVER, OTHER SEAMS SHALL BE SEALED. |
| 11. | 2018 WSEC FORMS, DUCT PLANS, BALANCING FEATURES, AS WELL AS VENTILATION REQUIREMENTS (AS PER TABLE 403.3.1.1, 2018 IMC MINIMUM VENTILATION RATES) AND OCCUPANCY, ALONG WITH A MECHANICAL PERMIT AT THE TIME OF THE TENANT IMPROVEMENT PERMIT. |

| | |
|----------------------|-------------------------------------|
| SCOPE OF WORK | |
| JOB# 23xxx | |
| 1. | INSTALL (1) ELECTRIC WALL HEATER. |
| 2. | INSTALL (4) ROOFTOP EXHAUST FANS. |
| 3. | INSTALL (4) GAS FIRED UNIT HEATERS. |
| 4. | INSTALL NATURAL GAS PIPING. |

| VENTILATION CALCULATION | |
|-------------------------|---------------------------|
| WAREHOUSE VENTILATION | = (CFM/SF) x (SQ FT) |
| " " " " " | = (.06) x (128,547 SQ FT) |
| " " " " " | = 7,713 MINIMUM CFM |
| (4) FANS(2,000 CFM/FAN) | = 8,000 TOTAL CFM |

| SEMI-HEAT CALCULATION | | |
|--|---|---------------------|
| <u>EQUIPMENT OUTPUT TOTAL</u> <u>WAREHOUSE SQUARE FOOTAGE</u> | = | BTUH/SQ. FT. |
| (4) UNIT HEATERS x (167,400) BTUH OUTPUT <u>(128,547) SQ FT</u> | = | BTUH/SQ. FT. |
| <u>(669,600) BTUH</u> <u>(128,547) SQ FT</u> | = | (5.21) BTUH/SQ. FT. |

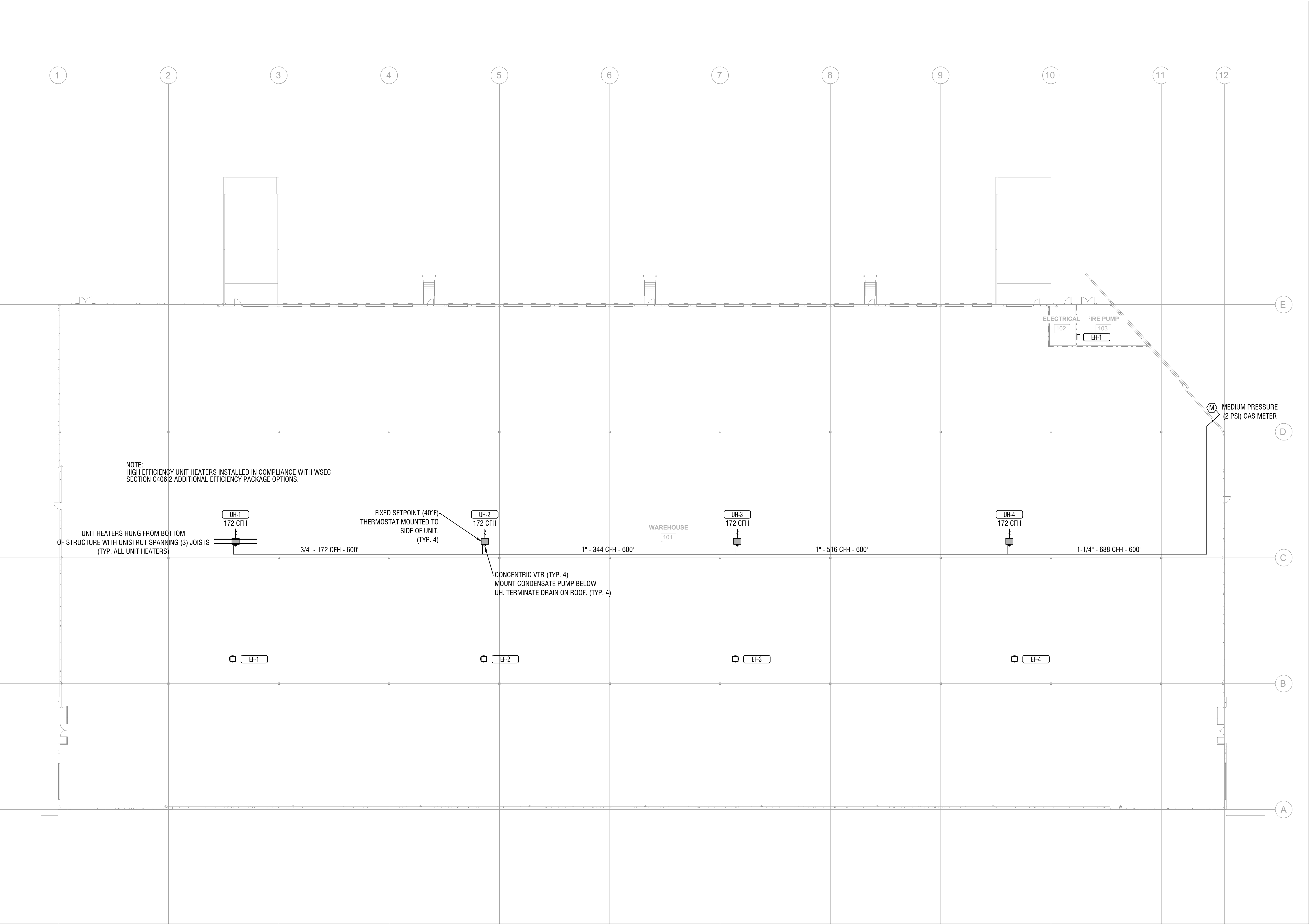
| HIGH EFFICIENCY GAS UNIT HEATER SCHEDULE | | | | | | | | | | | |
|--|------------|--------------|-------|------------|-------------|------------|----------------|-------------|--------|--------|---------|
| ID | BRAND NAME | MODEL NUMBER | CFM | Btuh INPUT | Btuh OUTPUT | EFFICIENCY | GAS CONNECTION | VENT OUTLET | V/PH | FLA | WT. |
| UH 1-4 | MODINE | PTC180 | 3,020 | 180,000 | 167,400 | 93% | 1/2 | 4"Ø | 115/1Ø | 3.73 A | 215 LBS |

| FAN SCHEDULE | | | | | | | | | | | |
|--------------|------------|--------------|-------|-------|--------|------|-------|--------------|----------------|----------|---------|
| ID | BRAND NAME | MODEL NUMBER | CFM | SP | HP/AMP | FLOW | V/PH | SOUND RATING | DUCT | LOCATION | WEIGHT |
| EF 1-4 | ILG | CRBA13 | 2,000 | .125" | 1/2 HP | CV | 208/1 | 14.4 SONES | 14"x14" B.D.D. | ROOF | 117 LBS |

NOTE: These plans are diagrammatical only.
Please verify all dimensions at job site.


PENDING CITY APPROVAL

[illegible]



NOTE: These plans are diagrammatical only. Please verify all dimensions at job site.

PENDING CITY APPROVAL



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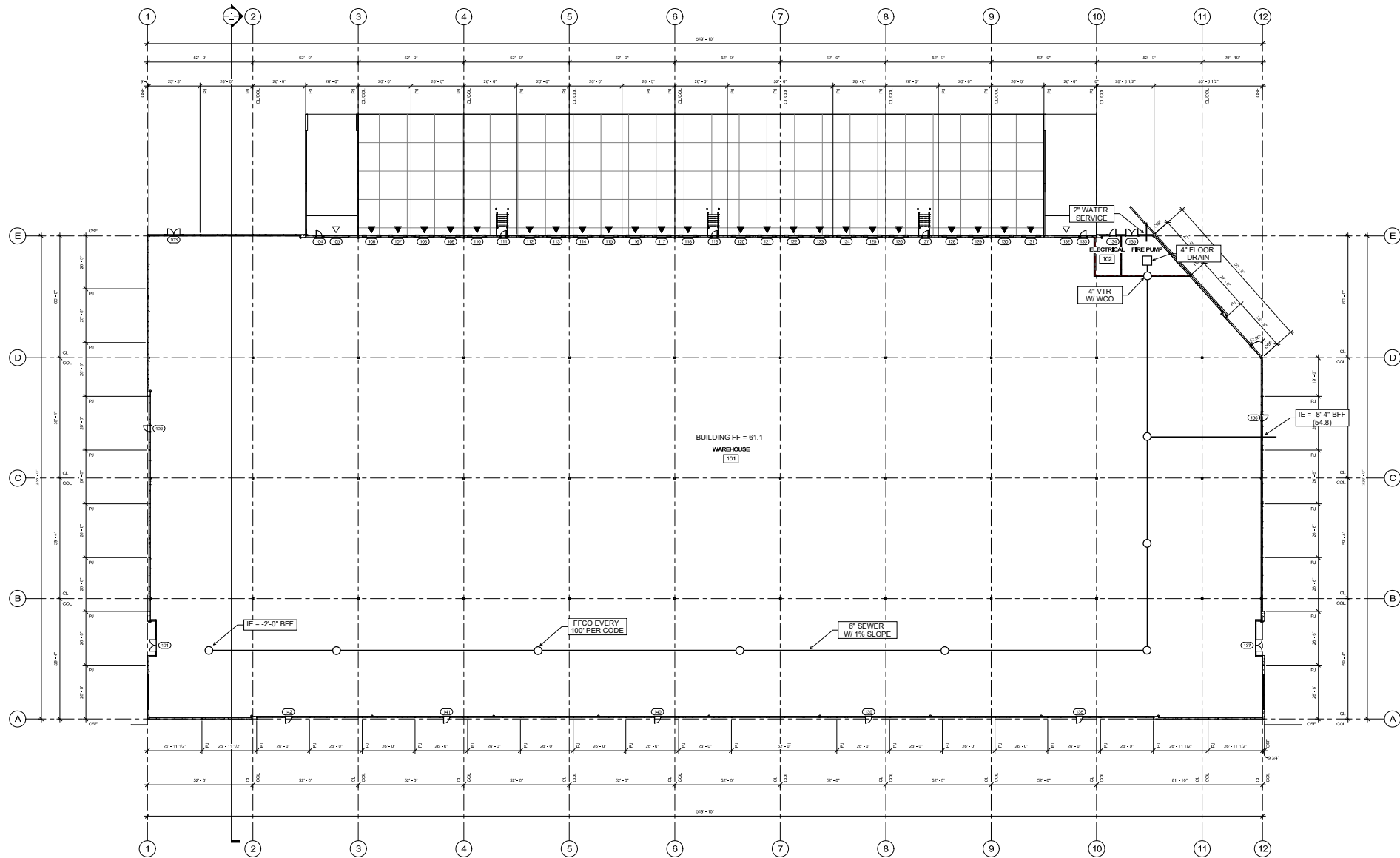
| REV. | DATE | REVISION DESCRIPTION |
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| 1 | 5/15/23 | PERMIT ISSUE |
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PROJECT TITLE:

FORTRESS - PUYALLUP

240 15TH ST. SE. PUYALLUP, WA. 98372

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|---------------------|
| PRINT/PLOT DATE: |
| DRAFTER: ARW |
| DESIGNER: BG |
| PROJECT MANAGER: BG |
| JOB NUMBER: 23xxx |
| SHEET NUMBER: |



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

CHRS PUYALLUP
 OWNER LLC
 11611 SAN VICENTE
 BLVD
 10TH FLOOR LOS
 ANGELES
 CA 90049

 Project

FORTRESS -
PUYALLUP
 340 18TH ST SE
 PUYALLUP, WA,
 98372

 STATE MECHANICAL

| REVISIONS SCHEDULE | | |
|--------------------|-------------|------------|
| DATE | DESCRIPTION | ISSUED FOR |
| 1 | 2020/01/01 | ISSUED |
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WATER AND SEWER PLAN