

# Bee Safe Mariner Village Stuart, FL



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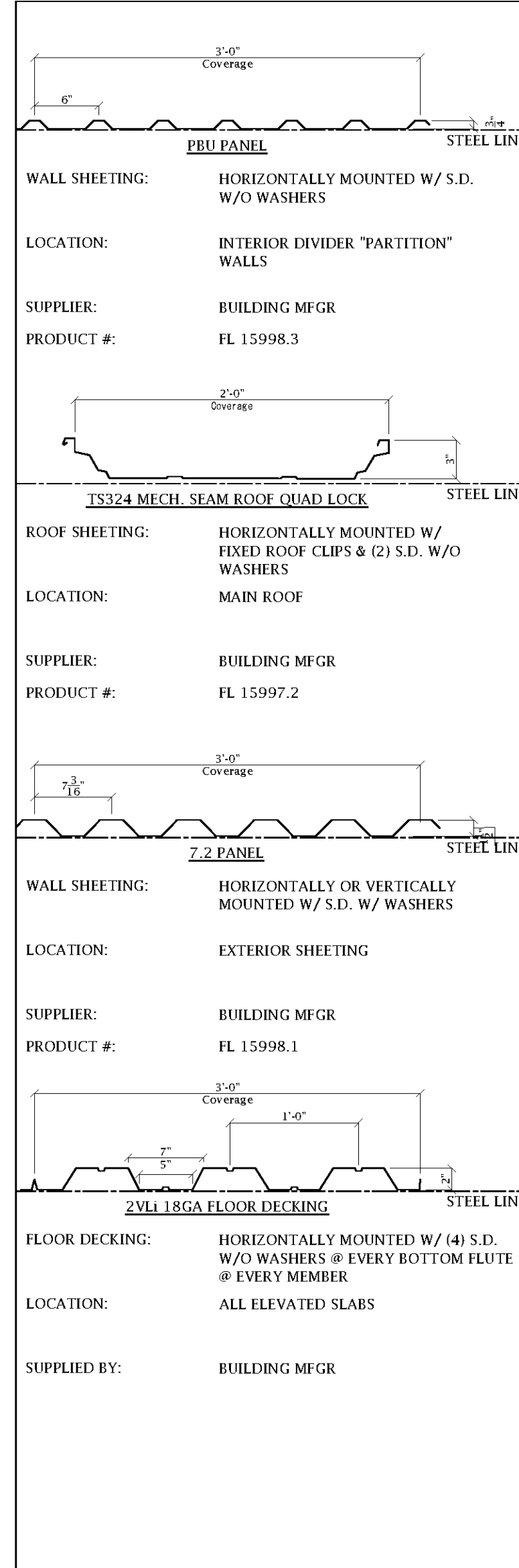
### ABBREVIATIONS:

C-PNL	C-PANEL
R-PNL	R-PANEL
U-PNL	U-PANEL
RRU	REVERSED ROLLED U-PANEL
RUL	REVERSED ROLLED U-PANEL (LINER)
PBC	PURLIN BEARING C-PANEL
PBU	PURLIN BEARING U-PANEL
PBR	PURLIN BEARING R-PANEL
7.2-PNL	7.2-PANEL
S.SEAM	STANDING SEAM
A.F.F.	AFTER FINISHED FLOOR
BOM	BILL OF MATERIALS
BOS	BOTTOM OF STEEL
BT	BASE TYPE
CMU	CONCRETE MASONRY UNIT
CONC.	CONCRETE
CONT'S	CONTINUOUS
DBL	DOUBLE
EL	ELEVATION
E.HT.	EAVE HEIGHT
GA	GAUGE
F.F. / F.FLOOR	FINISHED FLOOR
FMG	FRAMING
F.W.	FIRE WALL
INSL	INSULATION
MFGR	MANUFACTURER
N.T.S.	NOT TO SCALE
O.C. / O/C	ON CENTER
PNL	PANEL
QTY	QUANTITY
REF	REFERENCE
REQ'D	REQUIRED
S.D. / S.D.S.	SELF DRILLING SCREW
TOS	TOP OF STEEL
TS	TUBE STEEL
TYP	TYPICAL
U.N.	UNLESS NOTED
W.A. WEDGE ANCHOR	WEDGE ANCHOR
<	CENTER LINE
>	PLATE
L-	ANGLE

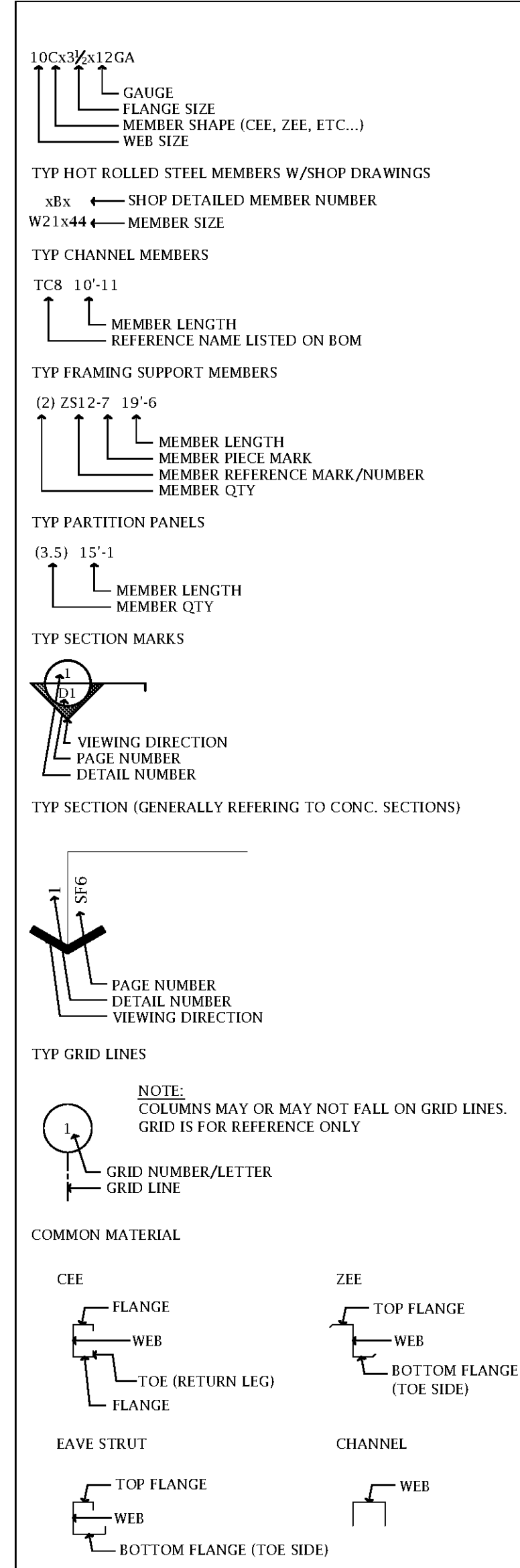
### PAGE INDEX:

Cover Sheet	RBS-CS
Structural Specifications	RBS-0.1
Insulation	RBS-IN.1-IN.2
Site Plan	RBS-SP1
Site Layout	RBS-SP2
Building "A" 1st Floor	
Stud & Channel Layout	RBS-A1.1
Partition & Unit Layout	RBS-A1.2
2nd Floor Framing Plan	RBS-A1.3
2nd Floor Decking Plan	RBS-A1.4
Building "A" 2nd Floor	
Stud & Channel Layout	RBS-A1.5
Partition & Unit Layout	RBS-A1.6
3rd Floor Framing Plan	RBS-A1.7
3rd Floor Decking Plan	RBS-A1.8
Building "A" 3rd Floor	
Stud & Channel Layout	RBS-A1.9
Partition & Unit Layout	RBS-A1.10
Roof Framing Plan	RBS-A1.11
Roof Sheeting Plan	RBS-A1.12
Elevations	RBS-A2.1-A2.4
RV1	
Column Layout Plan	RBS-RV1-1.1
Roof Framing Plan	RBS-RV1-1.1
Roof Sheeting Plan	RBS-RV1-1.1
Elevation	RBS-RV1-2.1
RV2	
Column Layout Plan	RBS-RV2-1.1
Roof Framing Plan	RBS-RV2-1.2
Roof Sheeting Plan	RBS-RV2-1.2
Elevation	RBS-RV2-2.1
Details	
Framing/Sheeting Details	RBS-D-1 - D-16
Foundation	
Specifications	RBS-F-0 - F-0.2
Building "A" Sheet Ledge	RBS-AF1
Building "A" Foundation	RBS-AF2
Foundation Plan - RV Canopy 1	RBS-RV1F
Foundation Plan - RV Canopy 2	RBS-RV2F
Details	RBS-FD-1 - FD-3

### TYPICAL PANELS:

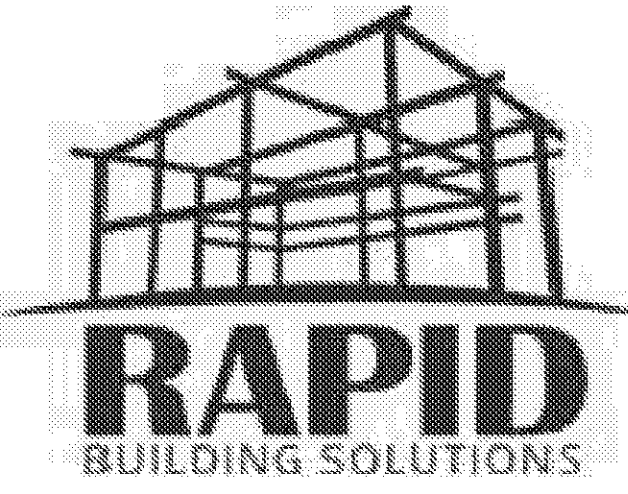
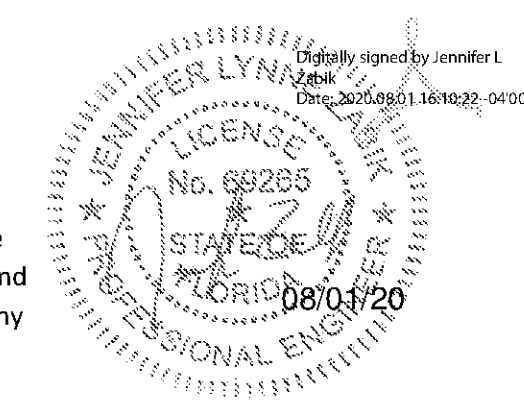


### TYPICAL NOMENCLATURE:



### SEALS

This item has been electronically signed and sealed by J. Zabik, PE on using a digital signature.  
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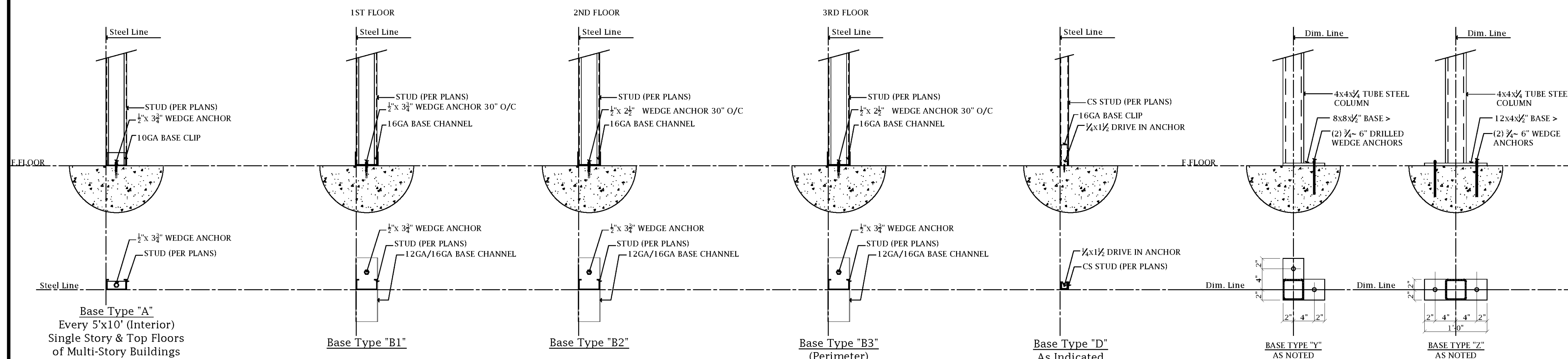
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**RBS-CS**



**GENERAL**

- G1 THE GENERAL CONTRACTOR SHALL REVIEW AND DETERMINE THAT DIMENSIONS ARE COORDINATED BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO FABRICATION OR START OF CONSTRUCTION.
- G2 THE GENERAL CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, THE WORK PERSONS AND OTHER PEOPLE DURING CONSTRUCTION. HE SHALL SUPERVISE AND DIRECT THE WORK AND BE RESPONSIBLE FOR ALL CONSTRUCTION.
- G3 NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED OR OTHERWISE REDUCED IN STRENGTH.
- G4 THE GENERAL CONTRACTOR SHALL COORDINATE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ANCHORED, EMBEDDED AND SUPPORTED ITEMS WHICH AFFECT THE STRUCTURAL DRAWINGS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- G5 ALL SHOP DRAWING SUBMITTALS SHALL BE SUBMITTED VIA ELECTRONIC MEDIA (i.e. PDF OR DWF FORMAT). HARD COPY SUBMITTALS WILL NOT BE ACCEPTED.
  - 1. SUBMITTALS SHALL NOT BE SECURED IN ANY FORMAT THAT WILL PREVENT COMMENTS FROM BEING ADDED.
- G6 ANY SUBMITTALS RECEIVED BY ARCH/ENG THAT HAVE NOT BEEN CHECKED BY THE GC AND HIS SUBCONTRACTOR SHALL BE RETURNED WITHOUT REVIEW.
- G7 ALL SECTIONS AND DETAILS SHALL BE CONSTRUED TO BE TYPICAL OR SIMILAR UNLESS ANOTHER SECTION OR DETAIL IS NOTED.
- G8 ANY CONFLICTS NOTICED, OR OBSERVED, BETWEEN THE WRITTEN SPECIFICATIONS AND THE CONSTRUCTION DOCUMENTS DURING PROJECT BIDDING OR PROJECT CONSTRUCTION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE STRUCTURAL ENGINEER-OF-RECORD. IF SUCH DISCREPANCY IS NOT NOTICED OR BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER-OF-RECORD FOR WRITTEN CLARIFICATION, THE CONTRACTOR/SUBCONTRACTOR SHALL PROVIDE, AT PROJECT BID OR DURING PROJECT CONSTRUCTION, THE MORE STRINGENT AND/OR MORE COSTLY OF THE TWO ITEMS IN THE BID AND/OR FINAL INSTALLATION.
- G9 GENERAL CONTRACTOR/CONSTRUCTION MANAGER SHALL SUPPLY ALL SUB-CONTRACTORS WITH THE STRUCTURAL GENERAL NOTE SHEETS AS WELL AS THE STRUCTURAL DRAWINGS.
- G10 THE CONTRACTOR'S MEANS AND METHODS SHALL FULLY CONFORM TO THE REQUIREMENTS OF SEI/ASCE 37 (DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION) UNTIL ALL OF THE STRUCTURAL ELEMENTS ARE IN PLACE AND HAVE RECEIVED THE INSPECTOR'S APPROVAL.
- G11 REFER TO ARCHITECTURAL DRAWINGS FOR ROOF COVERINGS. ROOF COVERINGS FOR ENHANCED HURRICANE PROTECTION AREA (EHPA) FACILITIES SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST ASTM AND FACTORY MUTUAL STANDARDS FOR MATERIALS AND WIND UPLIFT FORCES. ROOFS SHALL BE INSPECTED BY A LICENSED ENGINEER/ ARCHITECT AND A REPRESENTATIVE OF THE ROOFING MANUFACTURER AND REPORTS SHALL BE SUBMITTED TO THE OWNER AND ARCHITECT.

**FOUNDATIONS**

- F1 A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY-STANDARD SOIL DENSITY TESTS TO ENSURE CONFORMANCE WITH GEOTECHNICAL SOILS REPORT. SUBMIT REPORTS TO ARCHITECT AND ENGINEER.
- F2 CONTRACTOR, IN CONJUNCTION WITH GEOTECHNICAL FIELD REPRESENTATIVE, SHALL DETERMINE IF ANY UNSUITABLE CONDITIONS ARE DISCOVERED DURING EXCAVATION WHICH WOULD PREVENT ATTAINMENT OF THE DESIGN SOIL PRESSURE RECOMMENDED BY THE SOILS REPORT.
- F3 FOR FOUNDATION DESIGN VALUES, SEE FOUNDATION SCHEDULE.
- F4 FOOTINGS SHALL BE CAST TO THE SCHEDULED SIZE AND SHALL NOT BE OVERSIZED BY MORE THAN 6" ON ANY SIDE FOR FOOTING WIDTH OF AT LEAST 6'-0". FOR FOOTINGS LESS THAN 6'-0" IN WIDTH THE MAXIMUM OVERSIZING SHALL BE 3".
- F5 CONTRACTOR SHALL BE PREPARED FOR AND SHALL INCLUDE COST OF FORMING FOUNDATIONS SHOULD THE EARTH NOT PROVIDE ADEQUATE BANK STABILITY.

**SLAB ON GRADE**

- SOG1 UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT, COMPACT INTERIOR FILL TO 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557). SOIL COMPACTION SHALL BE FIELD-CONTROLLED BY A REPRESENTATIVE TECHNICIAN OF A QUALIFIED LABORATORY. EACH LAYER OF FILL SHALL NOT EXCEED 12" THICK AND SHALL BE COMPACTED PRIOR TO PLACEMENT OF NEXT LAYER.
- SOG2 MAXIMUM SPACING OF CONTROL JOINTS (i.e. SAWCUT JOINT OR CONSTRUCTION JOINT) SHALL BE AS SET IN THE TABLE BELOW, OR AS NOTED ON PLANS. THE MORE STRINGENT SHALL APPLY. PATTERNS SHALL BE APPROXIMATELY SQUARE WITH A RATIO OF LONG SIDE TO SHORT SIDE NOT EXCEEDING 1.5 TO 1. SEE SLAB-ON-GRADE DETAILS FOR ADDITIONAL INFORMATION.

SLAB THICKNESS (IN)	*3/4" OR LARGER AGGREGATE SPACING (FT)
4	12
5	13
6	14
7 AND GREATER	15

\*MIX DESIGNS CONTAINING AGGREGATE LESS THAN 3/4" ARE NOT ACCEPTABLE.

- SOG3 GENERAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SJ'S AND CJ'S WITH ARCHITECTURAL FLOOR FINISHES TO ENSURE SLAB JOINTS DO NOT READ THROUGH.

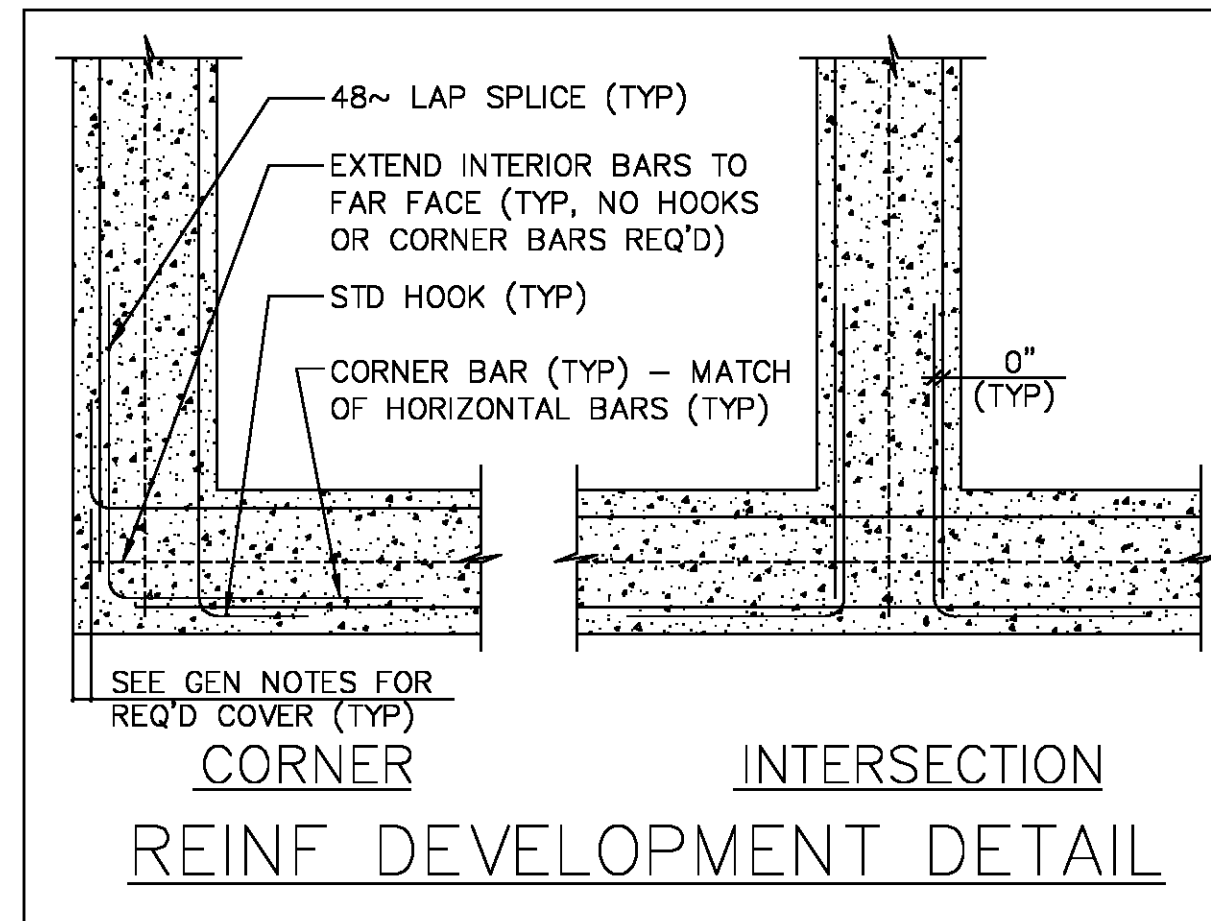
**CONCRETE AND REINFORCING**

- C1 A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD TESTING INCLUDING SLUMP TESTS AND CYLINDER BREAKS TO ENSURE CONFORMANCE WITH PLANS AND SPECIFICATIONS (IF PROVIDED). SUBMIT REPORTS TO ARCHITECT AND ENGINEER.
- C2 CONCRETE WORK SHALL CONFORM TO ACI 318-11 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
- C3 ALL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:

LOCATION	28 DAY STRENGTH	SLUMP	COARSE AGGREGATE(S)	COMMENTS
FOUNDATIONS	4000 PSI	4" +/-	1" 1"	
RETAINING WALL	4000 PSI	4" +/-	1" 1"	
SLAB-ON-GRADE: FOOT TRAFFIC	4000 PSI	4" +/-	1" 1"	
TIE BEAMS AND TIE COLUMNS (MAX 50" BETWEEN COLD JOINTS)	3000 PSI	6" +/-	1" 3/8"	
ELEVATED SLABS (MTL DECK)	3000 PSI	4" +/-	1" 3/8" & 1"	
FILLED CELL, PRECAST LINTELS & BOND BEAM GROUT (ASTM C476) - SEE NOTE 7	2500 PSI	8" TO 11"	COARSE GROUT: 3/8" FINE GROUT: NONE	

- NOTES:**
1. SLUMP FOR RAMPS AND SLOPING SURFACES SHALL NOT EXCEED 4".
  2. ALL SLAB MIXES SHALL HAVE A MAXIMUM SAND TO TOTAL AGGREGATE RATIO OF 0.50.
  3. A 2" OR 3" PUMP SHALL BE ACCEPTABLE FOR COLUMNS, CELL FILL AND TIE BEAMS BUT WILL NOT BE ALLOWED FOR FOUNDATIONS, SLABS, TILT-UP PANELS AND CONCRETE BEAMS.
  4. READY MIX SUPPLIER SHALL DESIGN THE MIXES THAT CONTAIN MULTIPLE AGGREGATES TO BE WELL GRADATED.
  5. SLABS SHALL NOT BE AIR ENTRAINED.
  6. FOR SLABS THAT SHALL RECEIVE MOISTURE SENSITIVE FLOORING:
    - a. CONTRACTOR SHALL WORK WITH THE READY MIX SUPPLIER TO PROVIDE A MIX DESIGN THAT WILL BE AT OR BELOW 75% RELATIVE HUMIDITY AT THE TIME THE FLOORING IS SCHEDULED TO BE INSTALLED.
    - b. DO NOT USE LIGHTWEIGHT AGGREGATES.
    - c. PROVIDE A MIX WITH GOOD SELF-DESICCATING PROPERTIES. CONSIDER ADDING 2%-4% SILICA FUME.
    - d. DO NOT HARD TROWEL THE SURFACE BUT INSTEAD PROVIDE A LIGHTLY TROWELLED SURFACE.

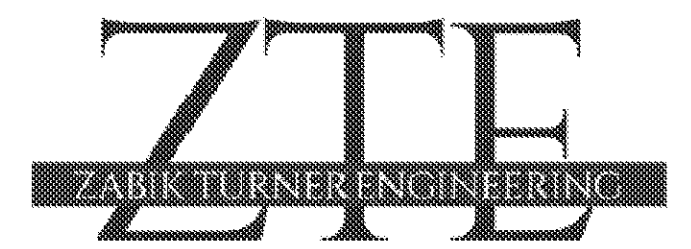
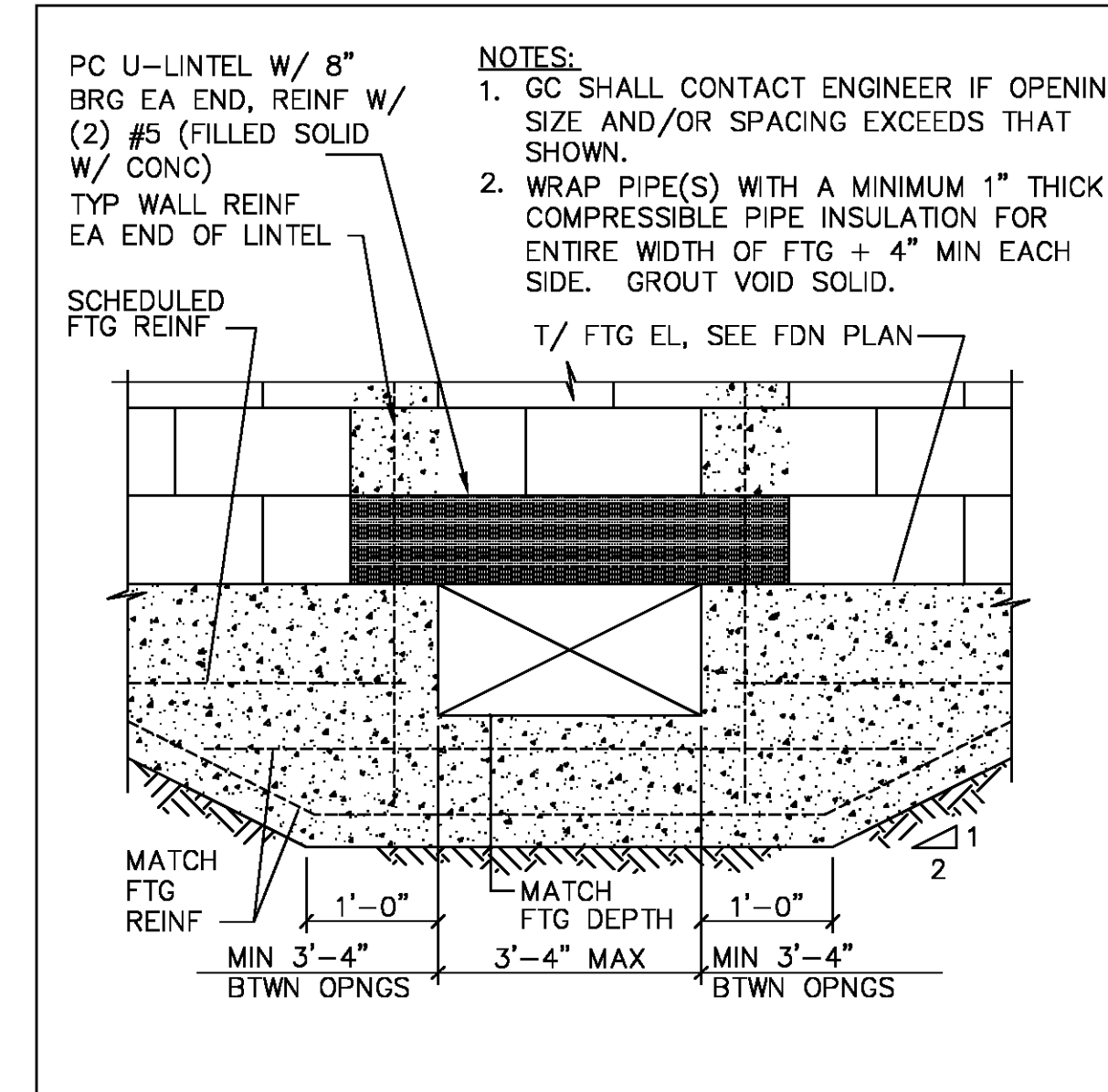
- C4 CONCRETE MIX DESIGN SUBMITTALS:
  1. EACH MIX DESIGN SHALL BE LABELED TO INDICATE THE AREA IN WHICH THE CONCRETE IS TO BE PLACED (I.E. FOUNDATIONS, SLAB-ON-GRADE, COLUMNS, ETC.). FAILURE TO DO SO WILL CAUSE DELAY AND/OR REJECTION OF SUBMITTALS.
  2. PROPOSED MIX DESIGN SHALL BE IN ACCORDANCE WITH METHOD 1 OR METHOD 2 OF ACI 301. PROVIDE SUPPORTING DATA IN TABULAR FORM FOR EACH SEPARATE PROPOSED MIX.
  3. SUBMIT CONCRETE MIX DESIGN FOR EACH PROPOSED CLASS OF CONCRETE.
- C5 REBAR SHALL CONFORM TO ASTM-615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 AND SHALL BE LAPPED MINIMUM ONE MESH + 2" WHERE SPLICED. ALL REINFORCING SHALL BE DOMESTICALLY PRODUCED. ALL REBAR THAT IS TO BE WELDED SHALL BE LOW ALLOY ASTM A706 GRADE 60.
- C6 SPLICES AND ANCHORAGE OF REINFORCING SHALL BE AS FOLLOWS (UNLESS OTHERWISE NOTED):
  - WELDED WIRE FABRIC: 8"
  - ALL OTHER: #6 BAR & SMALLER: 48 DIA (12" MIN)  
#7 BAR & LARGER: 60 DIA
- C7 REINFORCEMENT IN WALLS, FOOTINGS AND BEAMS SHALL BE CONTINUOUS AND LAPPED 48 BAR DIA AT SPLICE UNLESS OTHERWISE NOTED. HOOK AND LAP ALL CORNER AND INTERSECTING BARS. (SEE REINF DEVELOPMENT DETAIL).



C8 COVER FOR REINFORCING SHALL BE AS FOLLOWS:

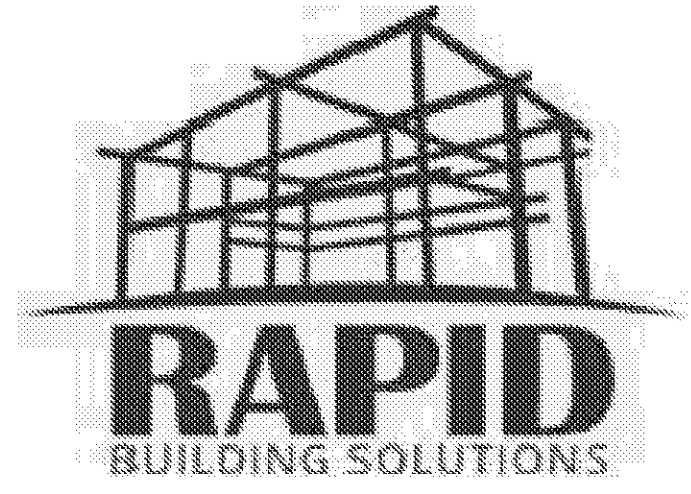
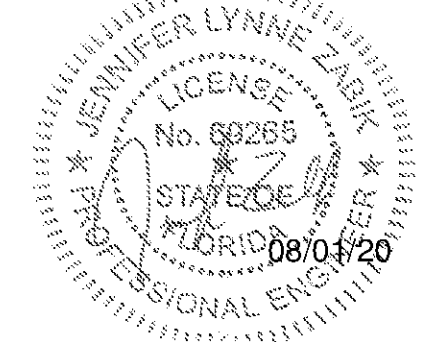
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3"
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 THRU #18 BARS:	2"
#5 BAR, W31 OR D31 WIRE AND SMALLER:	1 1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
SLABS, WALLS, JOISTS:	
#14 AND #18 BARS:	1 1/2"
#11 BAR AND SMALLER:	3/4"
BEAMS, COLUMNS:	
PRIMARY REINF, TIES, STIRRUPS, SPIRALS:	1 1/2"

C9 FOOTING PENETRATION DETAILS:



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SEALS



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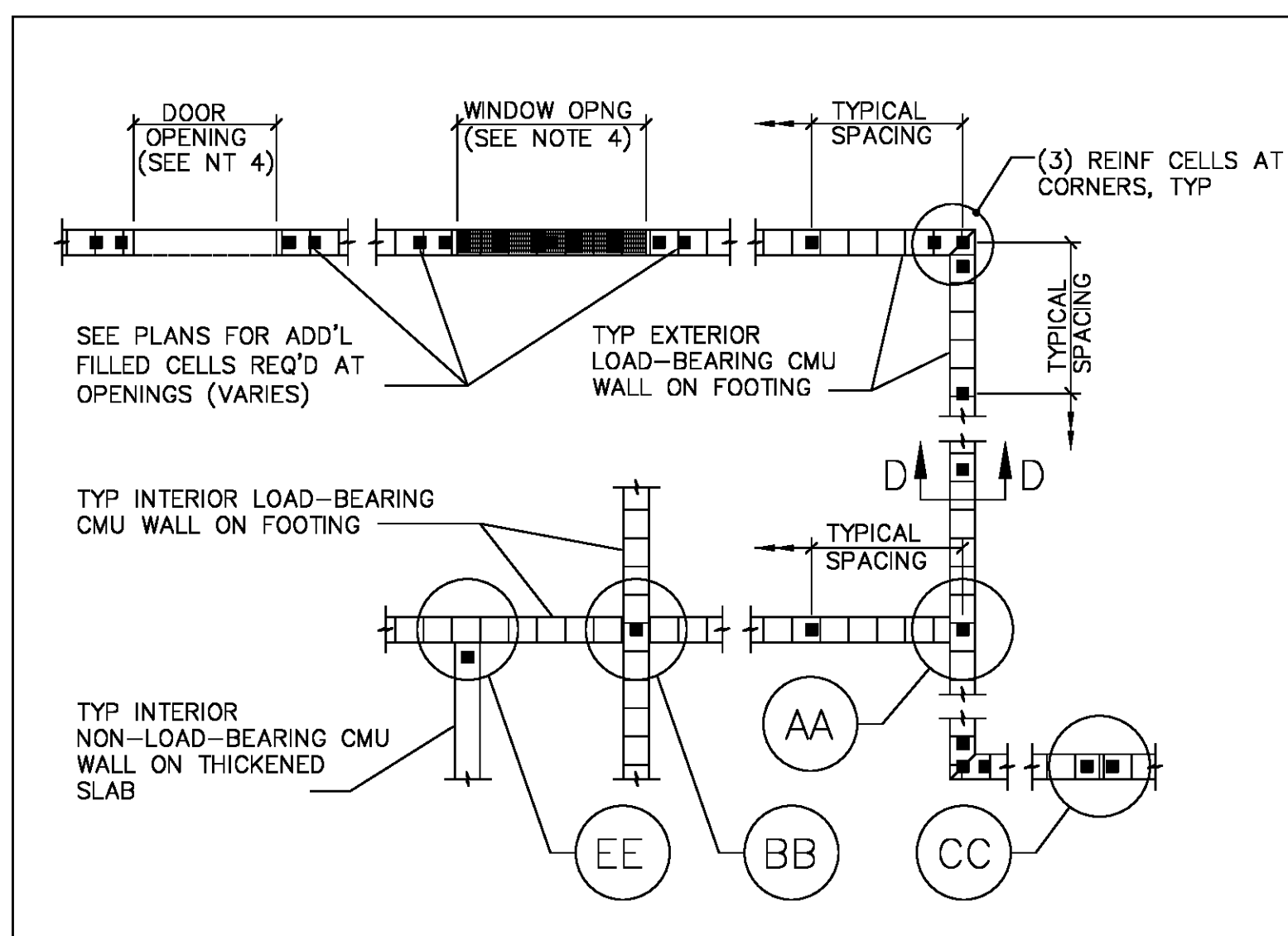
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**RBS-F-0**

**MASONRY**

- M1 MASONRY CONSTRUCTION MATERIALS AND INSPECTIONS SHALL CONFORM TO THE LATEST EDITION OF THE ACI BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES (ACI 530-11, ASCE 5-11, TMS 402-11), SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-11, ASCE 6-11, TMS 602-11) ASTM C476-02, ASTM C1019-09 AND NCMA TEK 107.
- M2 CONCRETE BLOCKS SHALL CONFORM TO ASTM C-90. (f'm = 1500 PSI) (1900 PSI ON THE NET AREA).
- M3 MORTAR SHALL COMPLY WITH ASTM C270, TYPE 'M' FOR RETAINING WALLS AND WALLS BELOW GRADE, TYPE 'S' FOR TYPICAL WALLS. (COMPRESSIVE STRENGTH = 2500 PSI AND 1800 PSI, RESPECTIVELY. SITE TESTED MORTAR CUBES SHALL ACHIEVE A MINIMUM OF 80% OF THE DESIGN COMPRESSIVE STRENGTH)
- M4 BLOCK SHALL NOT BE MOISTENED BEFORE GROUTING.
- M5 ALL MASONRY CROSS WEBS SHALL BE FULLY BEDDED IN MORTAR AROUND CELLS TO BE GROUTED.
- M6 REINFORCE WALLS WITH LADDER TYPE (ASTM A-153, #9 GAGE WIRE) DEFORMED REINFORCEMENT EQUAL TO DUR-O-WAL IN BED JOINTS AT 16" OC UNO, MEASURED VERTICALLY. PLACE PER THE MFR'S INSTRUCTIONS. LAP ALL HORIZONTAL JOINT REINFORCING 6" MIN.
- M7 VERTICAL REINFORCING MUST HAVE A MINIMUM CLEARANCE OF 1/2" TO INSIDE FACE. VERTICAL REINFORCEMENT IN WALLS SHALL BE SECURED AND LATERALLY SUPPORTED AGAINST DISPLACEMENT AT INTERVALS NOT EXCEEDING 192 x (BAR DIAMETER) OR 10 FT (WHICHEVER IS LESS) WHENEVER A CLEANOUT IS REQUIRED. SEE GROUTING DETAIL NOTE FOR CLEAN-OUT REQUIREMENTS.
- M8 GROUT PLACEMENT STOPPED FOR (1) HOUR OR MORE SHOULD BE STOPPED 1 1/2" BELOW THE TOP OF THE MASONRY UNIT TO PROVIDE A KEY FOR SUBSEQUENT GROUTING.
- M9 TYPICAL VERTICAL REINFORCING SIZE AND SPACING SHALL BE ABOVE AND BELOW ALL WALL OPENINGS.
- M10 TEMPORARY BRACING AND SHORING OF WALLS TO PROVIDE STABILITY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- M11 REINFORCE MASONRY OPENINGS LESS THAN 2'-0" WIDE, WITH HORIZ JOINT REINF PLACED IN (2) HORIZ JOINTS APPROXIMATELY 8" APART, IMMEDIATELY ABOVE THE GROUT FILLED LINTEL AND IMMEDIATELY BELOW THE GROUT FILLED SILL. EXTEND REINFORCING A MINIMUM OF 2'-0" BEYOND JAMBS OF THE OPENING EXCEPT AT CONTROL JOINTS.
- M12 PROVIDE FILLED PRECAST U-LINTELS AS MANUFACTURED BY CAST- CRETE OR APPROVED EQUAL WITH (2) #5 CONT AT ALL OPENINGS WHERE BEAMS ARE NOT SHOWN, SCHEDULED OR NOTED GREATER THAN 2'-0" WIDE. LINTELS SHALL HAVE MINIMUM UNFILLED CAPACITY OF 400 lb/lf AND BEAR NOMINAL 6" (MIN 8") EACH END ON A GROUT FILLED CELL. PROVIDE PRE-CAST LINTEL MFR'S STANDARD TABULATED LOAD TABLES AS EVIDENCE THAT THE MINIMUM CAPACITIES AS LISTED IN THE BEAM SCHEDULE ARE SATISFIED. REFER TO MASONRY WALL BEAM SCHEDULE FOR TYPICAL PRECAST LINTEL SPANS AND DETAILS.
- M13 STOPPING AND RESUMING WORK: RACK BACK 1/2-UNIT LENGTH IN EACH COURSE. DO NOT TOOTH. CLEAN EXPOSED SURFACES OF SET MASONRY. REMOVE LOOSE MASONRY UNITS AND MORTAR PRIOR TO LAYING FRESH MASONRY.
- M14 DO NOT APPLY UNIFORM LOADS TO MASONRY WALLS FOR (3) DAYS.
- M15 DO NOT APPLY CONCENTRATED LOADS TO MASONRY WALLS FOR (7) DAYS.
- M16 EXTEND ALL VERTICAL WALL REINFORCEMENT TO WITHIN 2" OF TOP OF WALL OR BEAM UNLESS NOTED OTHERWISE. TERMINATE REINFORCING WITH STANDARD ACI 90 DEGREE HOOK IF ROOF JOISTS AND/OR TRUSSES BEAR ON TOP OF WALL AND THERE IS NO PARAPET. IF PARAPET EXISTS, HOOK IS NOT REQUIRED.
- M17 REFER TO ARCHITECTURAL DRAWINGS FOR WATERPROOFING DETAILS AT MASONRY CONTROL JOINTS.
- M18 JOB SITE MIXING OF GROUT SHALL NOT BE PERMITTED. TESTING SHALL CONFORM TO ASTM C1019. SEE TEST MOLD DETAIL BELOW. SEE THE SCHEDULE UNDER CONCRETE NOTES FOR COMPRESSIVE STRENGTH AND SLUMP REQUIREMENTS.

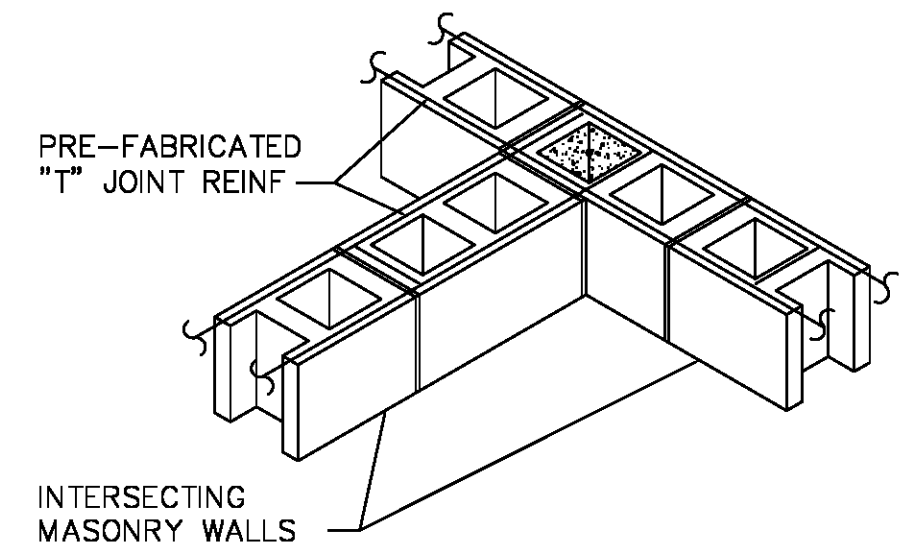
**M19 TYPICAL MASONRY DETAILS:**



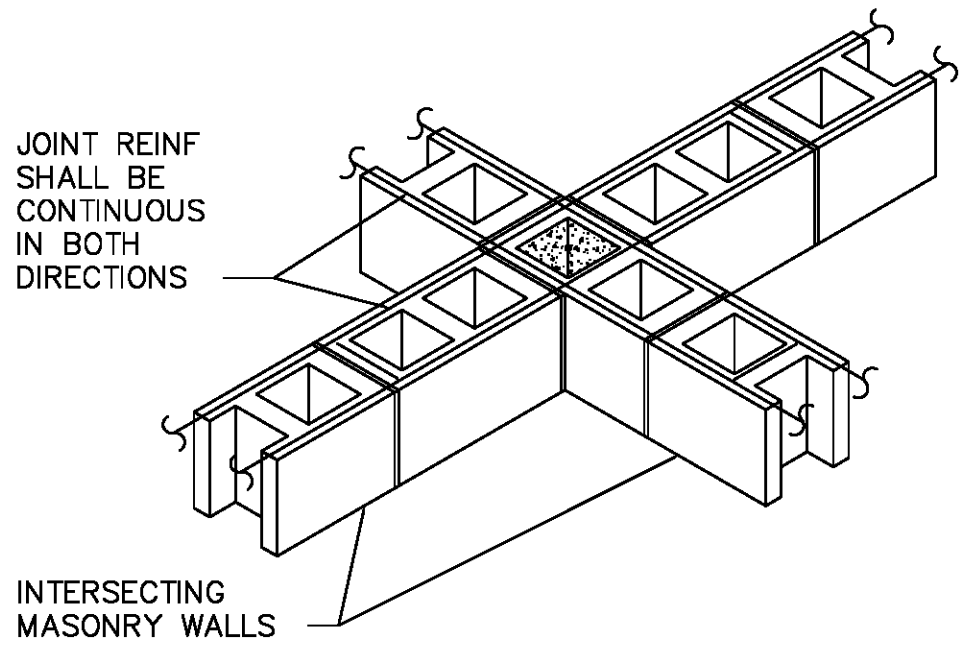
**NOTES:**

1. SEE DETAIL "CC" FOR LOCATING MASONRY CONTROL JOINTS. CONTRACTOR SHALL SUBMIT MCJ PLAN TO ARCHITECT FOR APPROVAL.
2. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND LOCATIONS.
3. SEE FDN PLAN NOTES FOR REINFORCED FILLED CELL SIZE & SPACING.
4. MULTIPLE FILLED CELLS MAY BE REQUIRED AT JAMBS. ADDITIONAL BARS WILL BE SHOWN ON PLAN(S). IF NONE ARE SHOWN, THEN A SINGLE TYPICAL REINFORCED JAMB CELL IS SUFFICIENT.
5. SEE MASONRY NOTES ON GENERAL NOTE SHEETS FOR HORIZONTAL JOINT REINFORCING AND OTHER ADDITIONAL INFORMATION.

**ILLUSTRATIVE PLAN OF VARIOUS CMU WALL CONDITIONS**

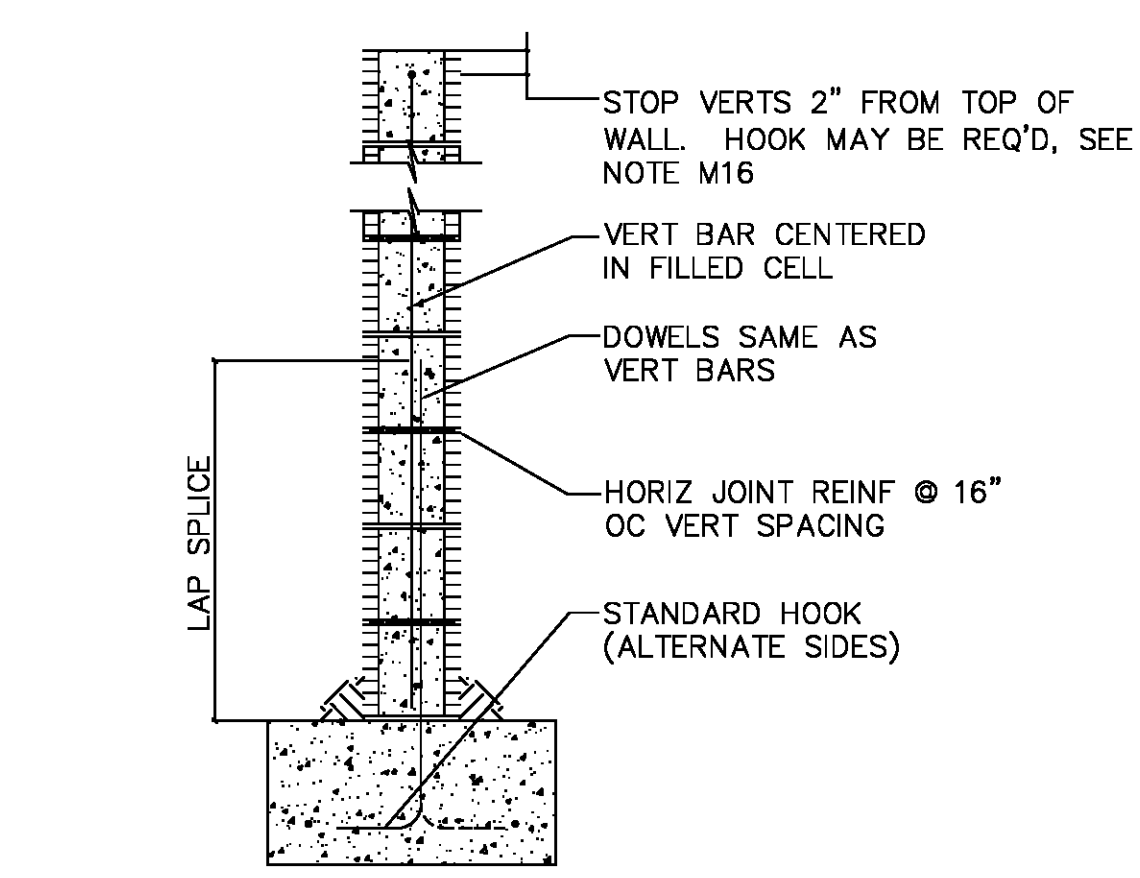


**AA WALL INTERSECTION**

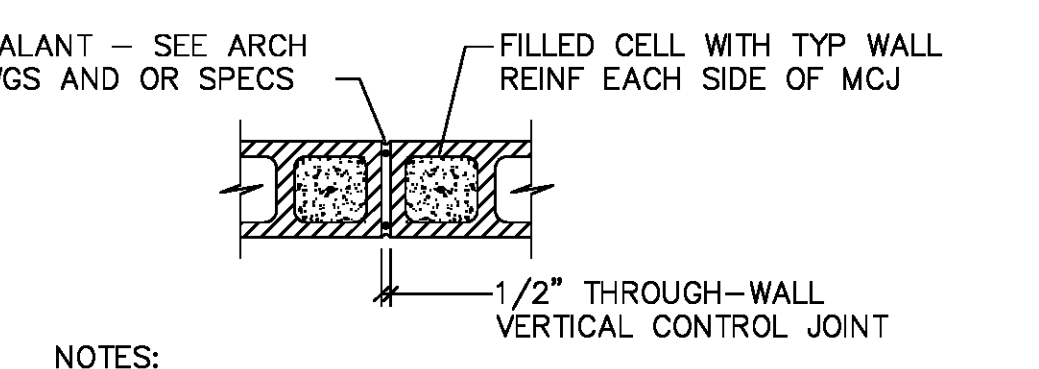
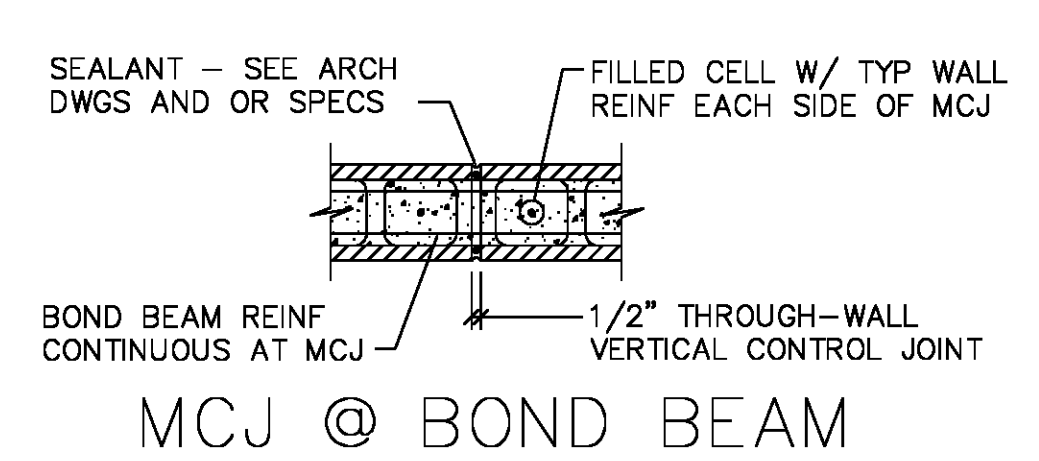
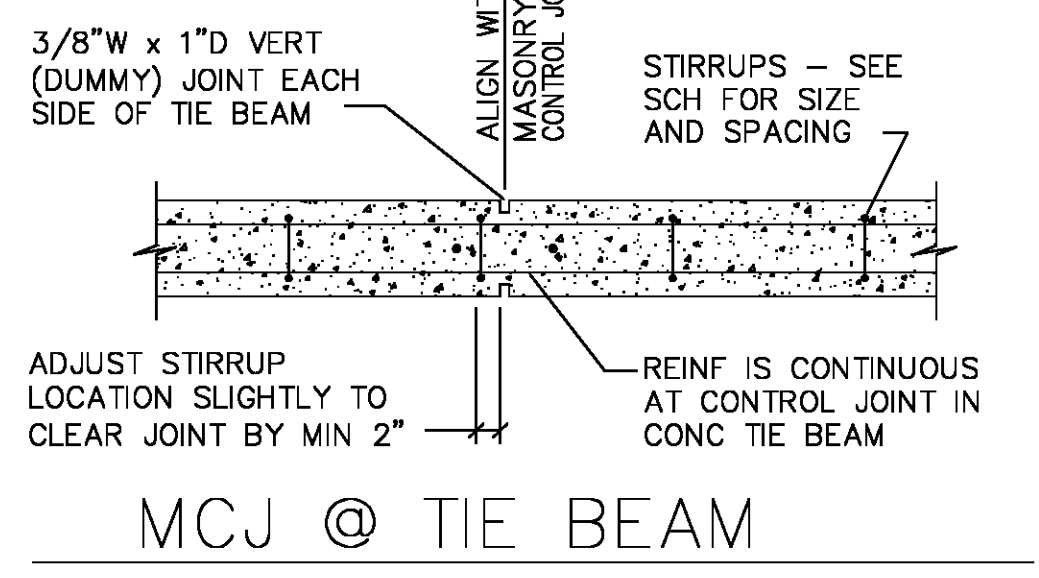


**BB WALL INTERSECTION**

**CC MAS CONTROL JOINT (MCJ)**



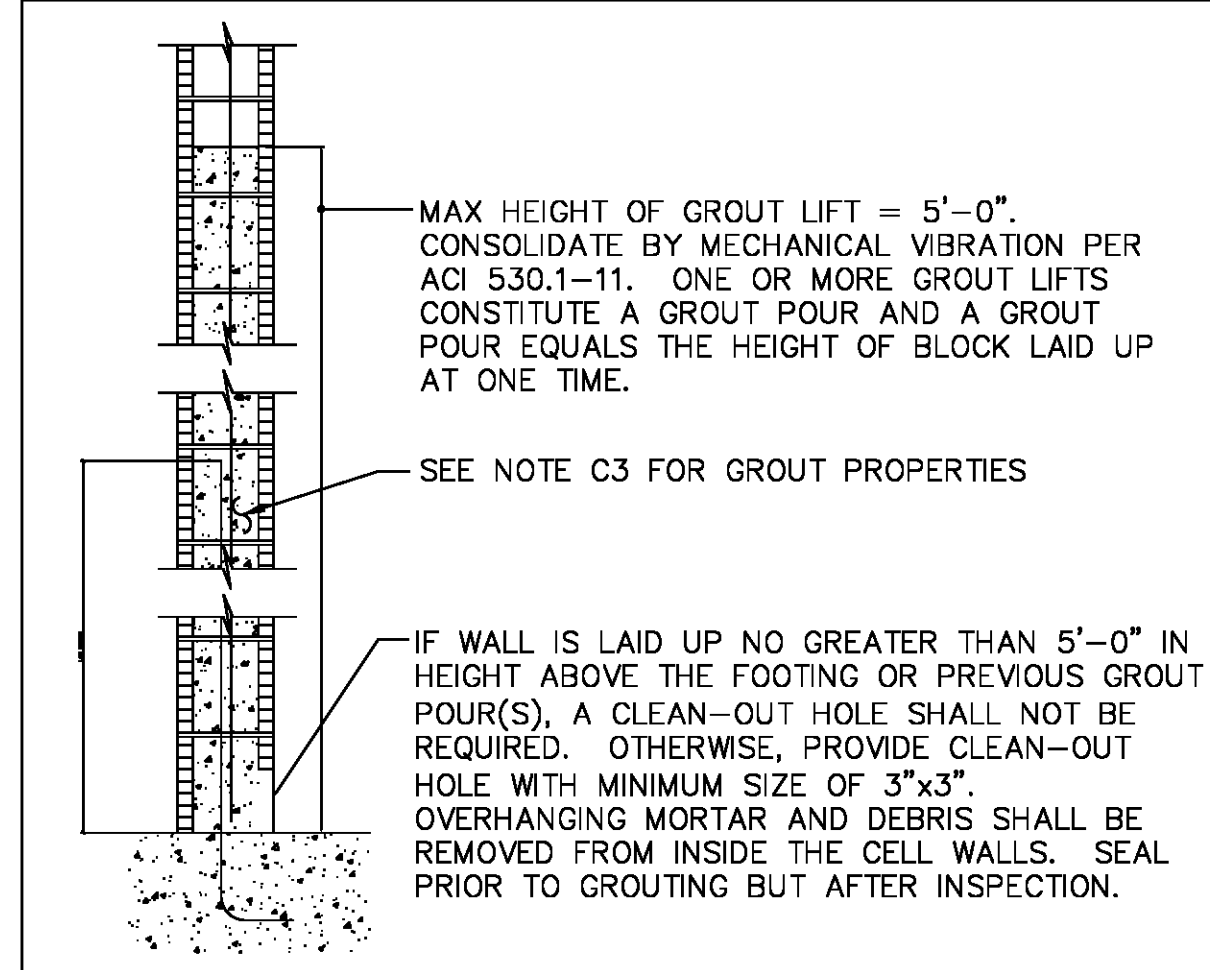
**DD TYPICAL FILLED CELL DETAILS**



**NOTES:**

1. THROUGH-WALL JOINT SHALL BE CONTINUOUS WITHOUT INTERRUPTION FROM FOUNDATION TO TOP OF WALL.
2. TERMINATE TYPICAL HORIZONTAL JOINT REINFORCING 2" FROM JOINT.
3. MAXIMUM SPACING OF CONTROL JOINTS SHALL BE 1 1/2 x (WALL HEIGHT) OR 25'-0", WHICHEVER IS LESS.

**M20 GROUT FOR FILLED CELLS SHALL BE PLACED IN CONFORMANCE WITH ACI 530.1-11 AND AS INDICATED BELOW:**



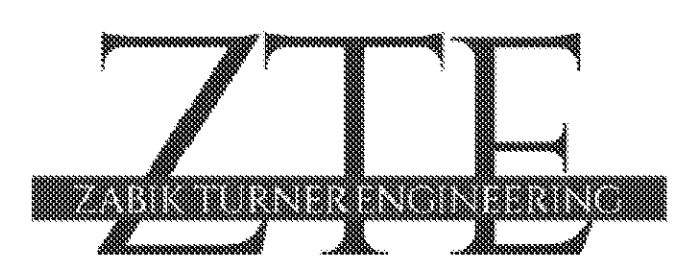
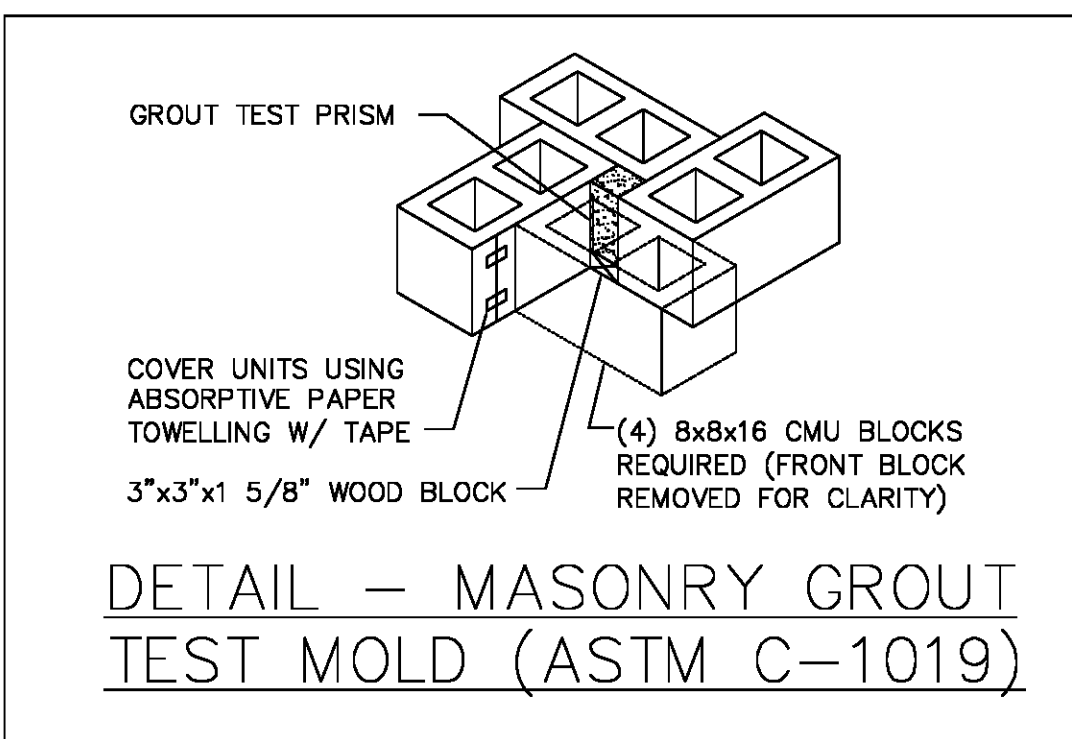
**NOTES:**

1. BUTTER AROUND ALL CELLS THAT ARE TO BE FILLED WITH GROUT TO ENSURE GROUT DOES NOT LEAK OUT.
2. DO NOT GROUT UNTIL MORTAR HAS SET SUFFICIENTLY TO WITHSTAND THE PRESSURE OF THE GROUT. WAIT NOT LESS THAN 24 HOURS.
3. PLACE GROUT WITHIN 90 MINUTES FROM INTRODUCING WATER IN THE MIXTURE AND PRIOR TO INITIAL SET.
4. MAXIMUM WALL HEIGHT FROM TOP OF FOOTING OR PREVIOUS GROUT POURS LAID UP AT ONE TIME SHALL BE 4'-0".
5. THE MINIMUM CONTINUOUS UNOBSTRUCTED CLEAR AREA IN CELL TO RECEIVE GROUT MUST BE NOT LESS THAN 3"x3". MORTAR FINS MUST BE REMOVED AS BLOCK PLACEMENT PROCEEDS. MORTAR DROPPINGS MUST BE KEPT OUT OF CELLS WHICH ARE TO BE GROUTED.

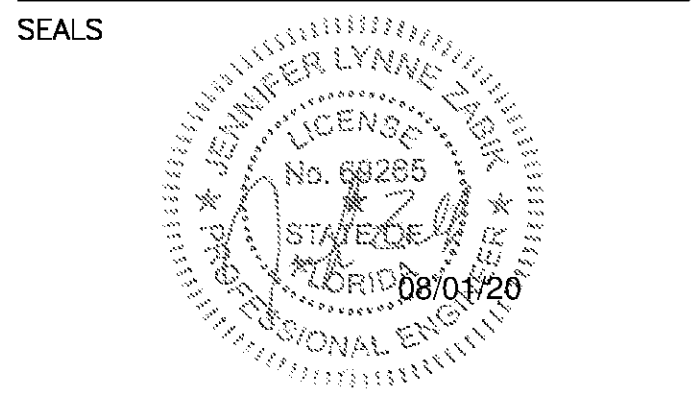
**GROUTING DETAIL**

**M21 MINIMUM LAP SPLICES FOR REINFORCED CMU.**

CMU WALLS WITH CENTERED VERTICAL REINFORCING					
#4	#5	#6	#7	#8	
13"	21"	31"	42"	63"	



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Mariner Village  
Stuart, Florida

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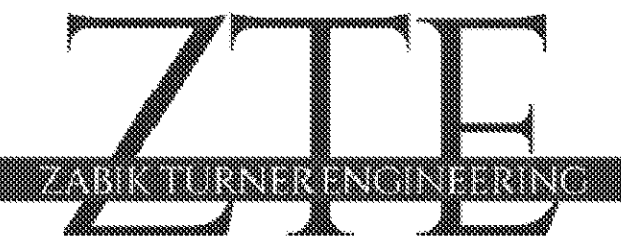
**RBS-F-0.1**

**STRUCTURAL STEEL**

- SS1 A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD INSPECTIONS TO ENSURE CONFORMANCE WITH PLANS AND SPECIFICATIONS (IF PROVIDED). SUBMIT REPORTS TO ARCHITECT AND ENGINEER.
- SS2 FABRICATE AND ERECT STRUCTURAL STEEL IN CONFORMANCE WITH THE LATEST VERSION OF AISC 360-10.
- SS3 MATERIAL SPECIFICATIONS:  
 ALL STEEL SHALL BE PRODUCED DOMESTICALLY.  
  
 ROLLED SHAPES, PLATES AND BARS: ASTM A36, EXCEPT WIDE-FLANGE & WT SECTIONS, WHICH SHALL BE ASTM A992.  
  
 HOLLOW STRUCTURAL SECTION (HSS): ASTM A500, GRADE B.  
  
 ANCHOR BOLTS, RODS, NUTS AND WASHERS: PER BASE PLATE SCHEDULE.  
  
 HEADED STUDS: ASTM A108, GRADE 1015 THROUGH 1020, COLD-FINISHED CARBON STEEL, AWS D1.1, TYPE B.  
  
 BOLTED STRUCTURAL CONNECTIONS: UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE 3/4"~ ASTM A325, TYPE N. BOLTS INDICATED LESS THAN 5/8"~ SHALL BE ASTM A307.  
  
 WELDED CONNECTIONS: ELECTRODES - E70XX UNO (LOW HYDROGEN). FILLET WELDS SHALL BE 3/16" UNO.
- SS4 HIGH-STRENGTH FIELD-BOLTED CONNECTIONS SHALL BE INSTALLED, TIGHTENED, TESTED AND INSPECTED ACCORDING TO "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC). ALL BOLTS IN STEEL TO STEEL CONNECTIONS SHALL BE BROUGHT TO A "SNUG-TIGHT" CONDITION, AS DEFINED IN THE SPECIFICATION. ALL BOLTS IN STEEL TO EMBED CONNECTIONS SHALL BE FINGER-TIGHT WITH PEENED THREADS. SLIP-CRITICAL (SC) BOLTS MUST BE FULLY TENSIONED PER SPECIFICATION.
- SS5 ALL WIDE FLANGE FLOOR MEMBERS SHALL BE CONNECTED TO THE SUPPORTING STRUCTURE AS DETAILED IN CONNECTION SCHEDULES ON SHEET FD-4.
- SS6 BRACE AND MAINTAIN ALL STEEL IN ALIGNMENT UNTIL OTHER PARTS OF CONSTRUCTION NECESSARY FOR PERMANENT SUPPORT ARE COMPLETED. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TEMPORARY SHORING AS REQUIRED FOR THE STABILITY OF THE STEEL FRAME UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN COMPLETED AND BUILDING IS ENCLOSED.
- SS7 ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF "THE STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY.
- SS8 GROUT FOR COLUMN BASE PLATES AND PRESET BEARING PLATES SHALL BE NON-SHRINK, NON-METALLIC GROUT (5000 PSI MIN).
- SS9 SUBMIT SHOP DRAWINGS INDICATING ALL SHOP AND ERECTION DETAILS INCLUDING PROFILES, SIZES, SPACING AND LOCATIONS OF STRUCTURAL MEMBERS, CONNECTION ATTACHMENTS, FASTENERS, LOADS AND TOLERANCES.
- SS10 STRUCTURAL STEEL SHALL RECEIVE A SHOP COAT OF PRIMER (COLOR AS DIRECTED BY ARCHITECT) EXCEPT THOSE AREAS WHICH WILL RECEIVE SPRAY-ON FIRE PROTECTION, OR WHERE HEADED STUDS ARE TO BE WELDED.
- SS11 THE STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN FULL CONFORMANCE WITH THE "OSHA STEEL ERECTION STANDARD". IF THE CONSTRUCTION DRAWINGS DEVIATE FROM THE OSHA STANDARD THEN THE FABRICATOR SHALL PROVIDE SUBMITTALS THAT CLEARLY INDICATE THE DEVIATION WITH A REVISION CLOUD AND REQUEST APPROVAL FROM BBM TO MAKE THE CHANGE SO THAT CONFORMANCE WITH THE OSHA STANDARD IS ASSURED.
- SS12 REFER TO SPECIALTY ENGINEERING (SE) NOTES FOR DELEGATED ENGINEERING REQUIREMENTS.

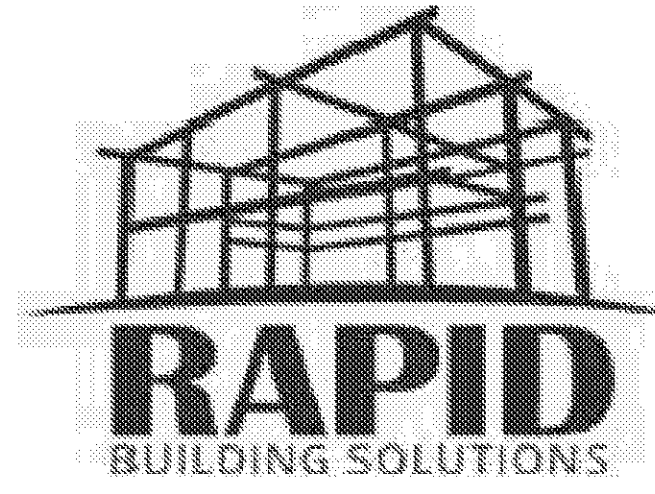
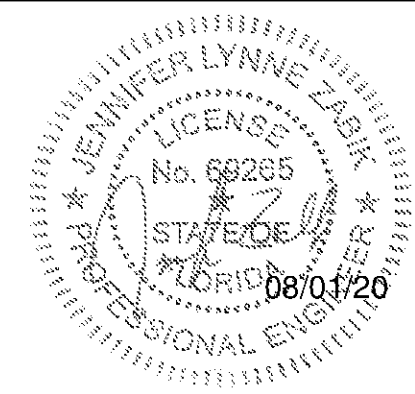
**SPECIALTY ENGINEERING REQUIREMENTS**

- SE1 STEEL PAN STAIRS SHALL BE DESIGNED BY THE FABRICATOR'S SPECIALTY ENGINEER AND SHALL INCLUDE STRINGERS, TREADS, HAND RAILINGS, PLATFORMS (AS REQUIRED), PAN INSERTS AND MISCELLANEOUS SUPPORTS AND CONNECTIONS. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND MUST BE SIGNED, DATED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT LOCATION. MINIMUM DESIGN LIVE LOAD SHALL BE 100 PSF. SUBMITTALS SHALL INCLUDE THE JOINTING IN THE CONCRETE FILL AS REQUIRED TO MITIGATE PLASTIC SHRINKAGE CRACKING.
- SE2 GUARDRAILS, HANDRAILS, POSTS AND SUPPORT CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR'S SPECIALTY ENGINEER. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND MUST BE SIGNED, DATED AND SEALED BY AN ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT LOCATION. DUE CONSIDERATION SHALL BE GIVEN TO EXPANSION & CONTRACTION BY PROVIDING SLIP JOINTS AS REQUIRED. DESIGN LOADING(S) SHALL CONFORM TO ALL REQUIREMENTS OF THE BUILDING CODE (SEE DESIGN CRITERIA FOR THE APPLICABLE BUILDING CODE).
- SE3 FLAGPOLES AND SITE LIGHTING POLES SHALL BE DESIGNED BY THE POLE VENDOR'S SPECIALTY ENGINEER AND SHALL INCLUDE POLES, FOUNDATIONS AND CONNECTIONS. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND MUST BE SIGNED, DATED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT LOCATION. MINIMUM DESIGN LOADS SHALL CONFORM TO ANSI/NAAM FP100 "SPECIFICATIONS FOR DESIGN LOADS OF METAL FLAGPOLES".



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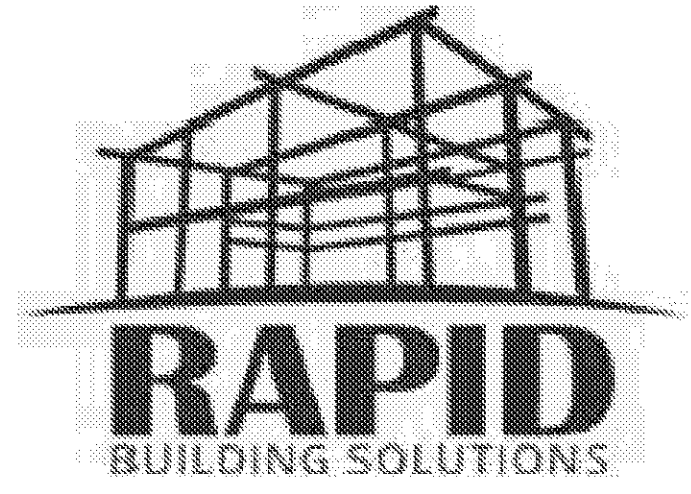
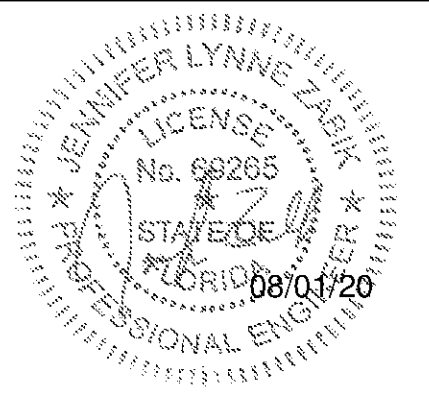
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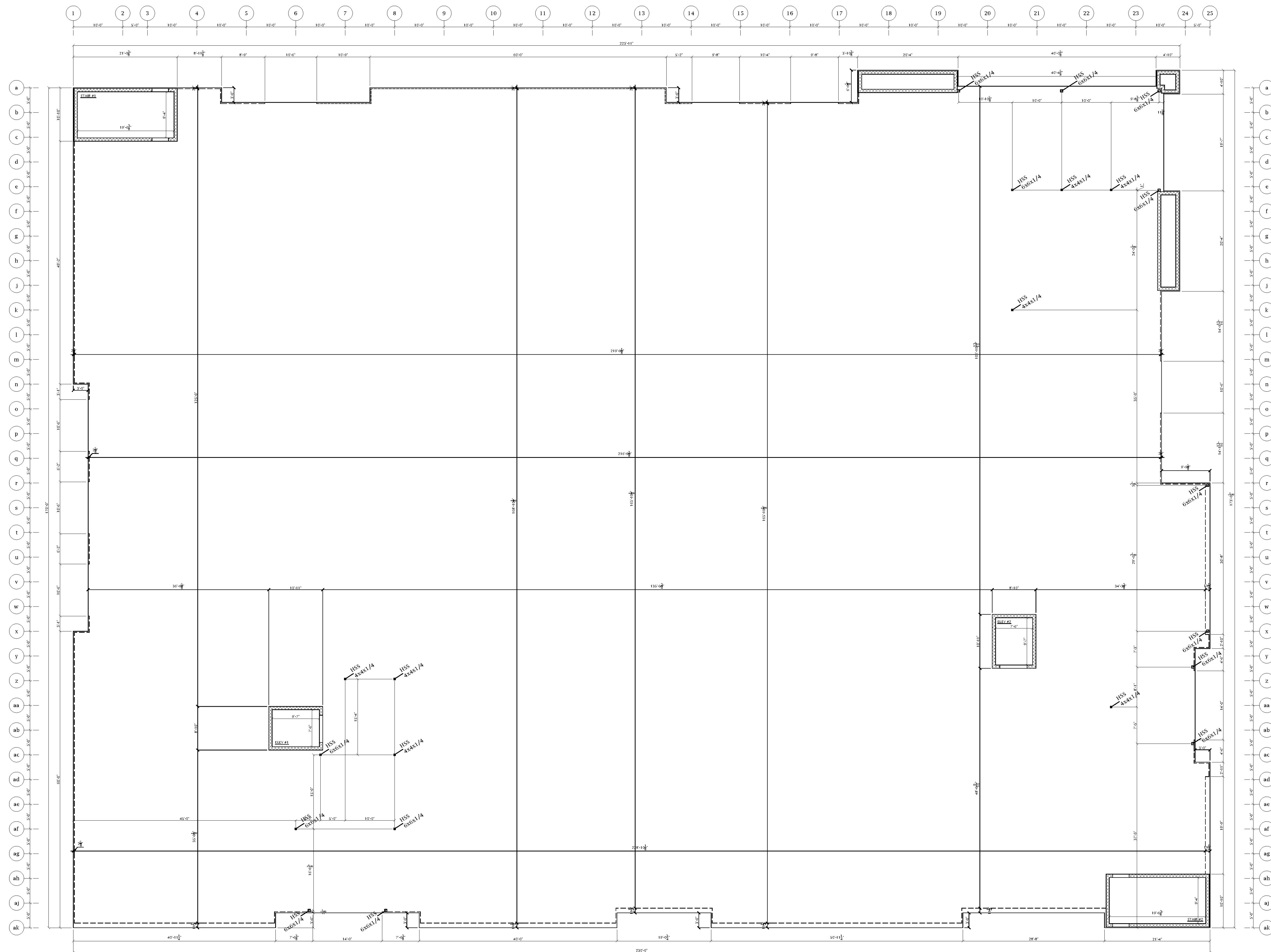
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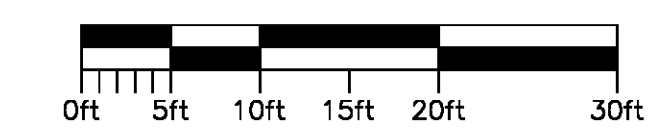
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**RBS-AF1**

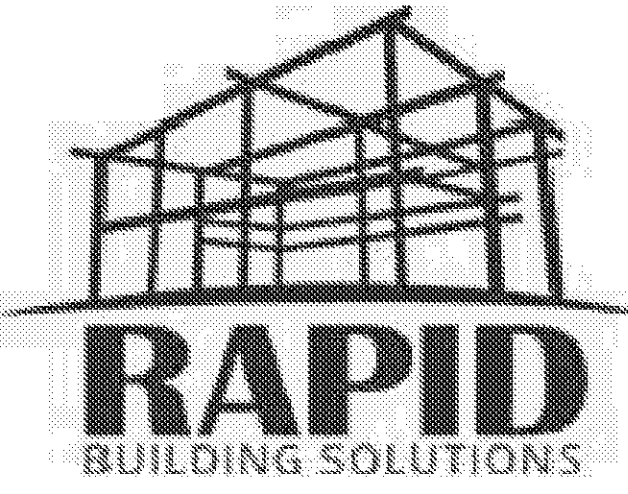
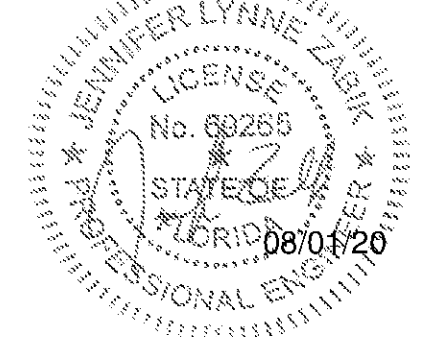


Plan North  
Sheet Ledge Plan  
Building 'A-1st Floor'



	C5	C1	C2	C3	C4	C5	BC1	BC2	BC3	BC4	TC1	TC2	TC3	TC4	TC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	IP1	IP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1
SHAPE	C	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	C	C	RRU	RRU	RRU	RRU	2VL	U	L	C	C	L	L	L
Web	1 5/8"	4"	4"	4"	4"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"	
GA.	18	12	14	16	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	16	12	16	18	16	26	29	18	16	16	16	12	12	12	12
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP

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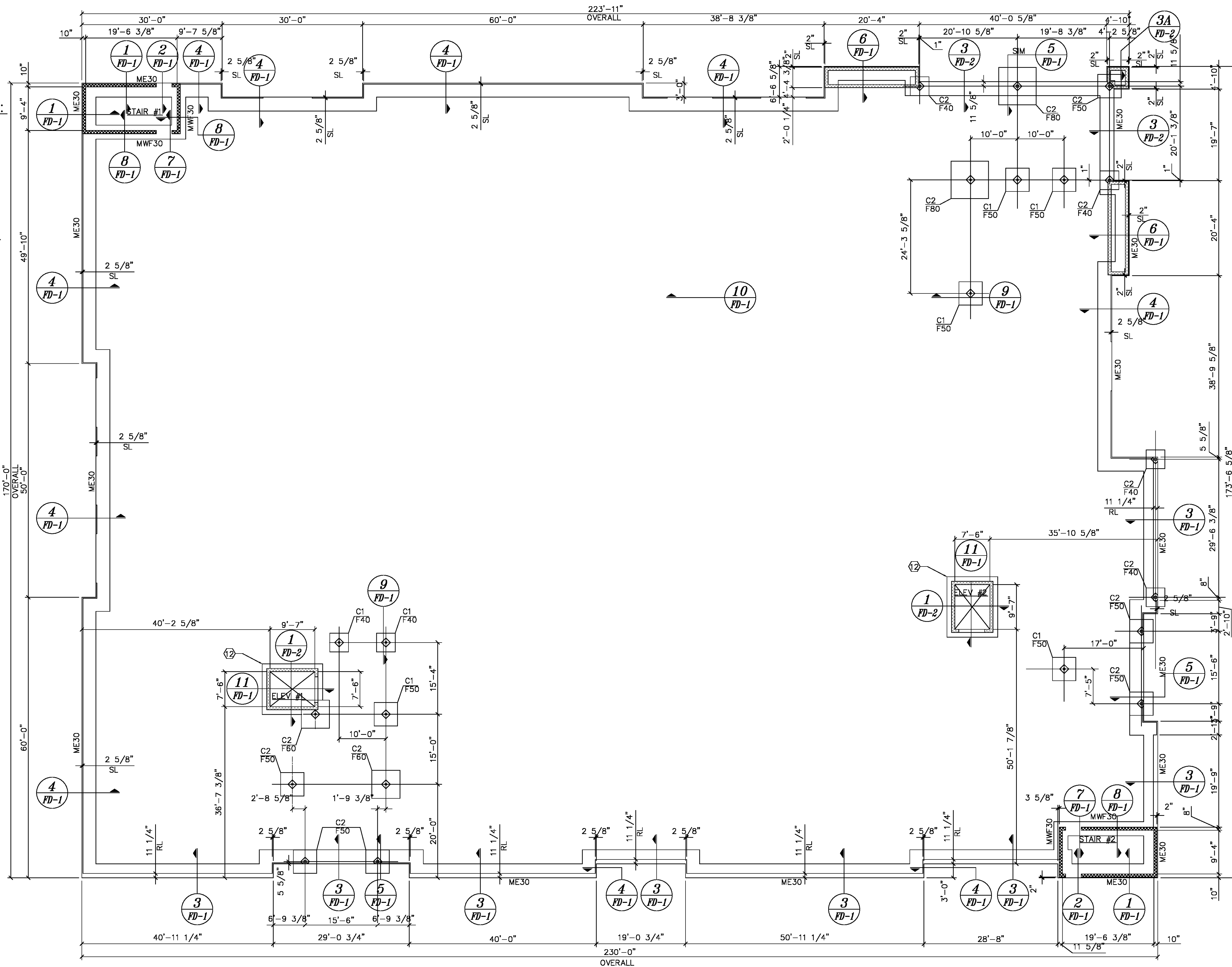
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**RBS-AF2**

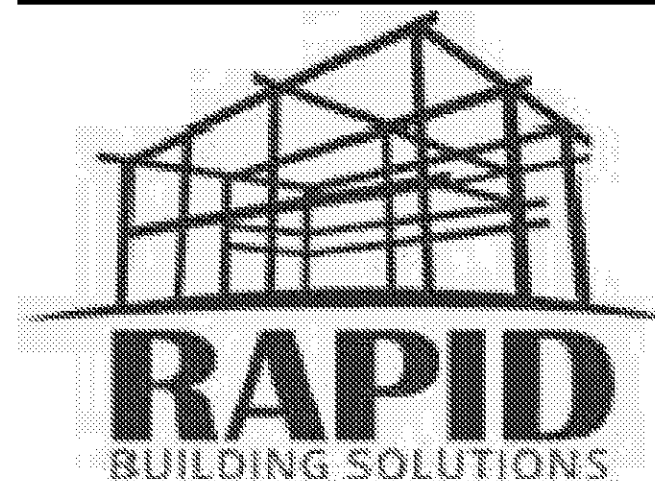
**FOUNDATION PLAN NOTES:**

- ① FLOOR SLAB SHALL BE 8" THICK CONCRETE REINF W/ 50 PCY OF STEEL FIBERS PER ASTM C1116, TYPE III OVER 6 MIL VAPOR BARRIER ON COMPACTED SUBGRADE. SEE "SLAB ON GRADE" DETAILS ON SHEET FD-2 FOR PLACEMENT OF REINFORCING.
- ② T/ SLAB EL = 100'-0"  
B/ ME/MWF FTG EL = 98'-0"  
T/ EXTERIOR COL FTG = 98'-0"  
REFERENCE ONLY - SEE CIVIL DWGS FOR ACTUAL ELEVATION.
- ③ ALL CMU BEARING WALLS ARE 8" (TYP, UNO).
- ④ ALL FTGS ARE CENTERED BENEATH BEARING WALLS AND COLUMNS (TYP, UNO).
- ⑤ REINF LOAD-BEARING CMU WALLS W/ # 5 VERT BAR CENTERED IN GROUT-FILLED CELL AT ENDS, CORNERS, AND AT MAX SPACING OF 24" OC. SEE "ILLUSTRATIVE PLAN OF VARIOUS CMU WALL CONDITIONS" ON SHEET F-0.1 FOR ADDITIONAL INFO. ALL LOAD BEARING CMU WALLS SHALL HAVE A BB2 AT EA FLOOR & TOP OF WALL, UNO.
- ⑥ TYP SPACING OF FILLED CELLS SHALL APPLY ABOVE AND BELOW OPENINGS ALSO.
- ⑦ SEE SHEETS F-0 - F-0.2 FOR STRUCTURAL GENERAL NOTES.
- ⑧ MAINTAIN STRUCTURAL SLAB THICKNESS AT ALL FLOOR SLOPES AND DEPRESSIONS.
- ⑨ SEE FD-3 FOR FOUNDATION, COLUMN AND BASE PLATE SCHEDULES.
- ⑩ (3) #5 VERT IN FILLED CELL. #5 ENDS W/ 2" HOOK AT TOP OF WALL. IF STEEL BEAM INTERSECTS WALL A CB1 SHALL BE INSTALLED AT THE TOP OF THE COLUMN. REF 1/FD-3 FOR EMBED PLATE.
- ⑪ INDICATES 8" CMU.
- ⑫ T/ ELEV MAT 96'-0". COORD W/ ELEV MFR.



Plan North  
**Foundation Plan**  
Building 'A-1st Floor'

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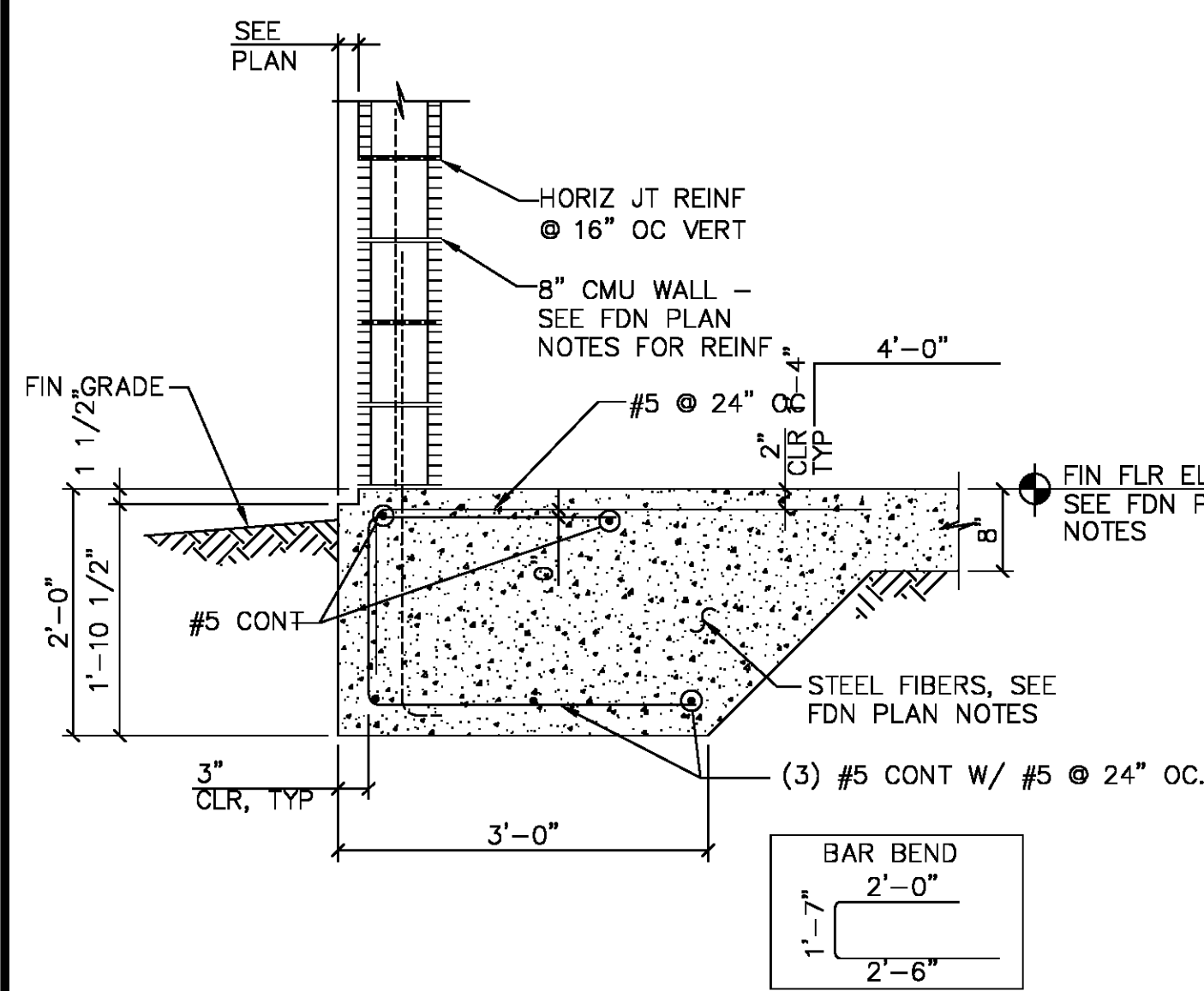
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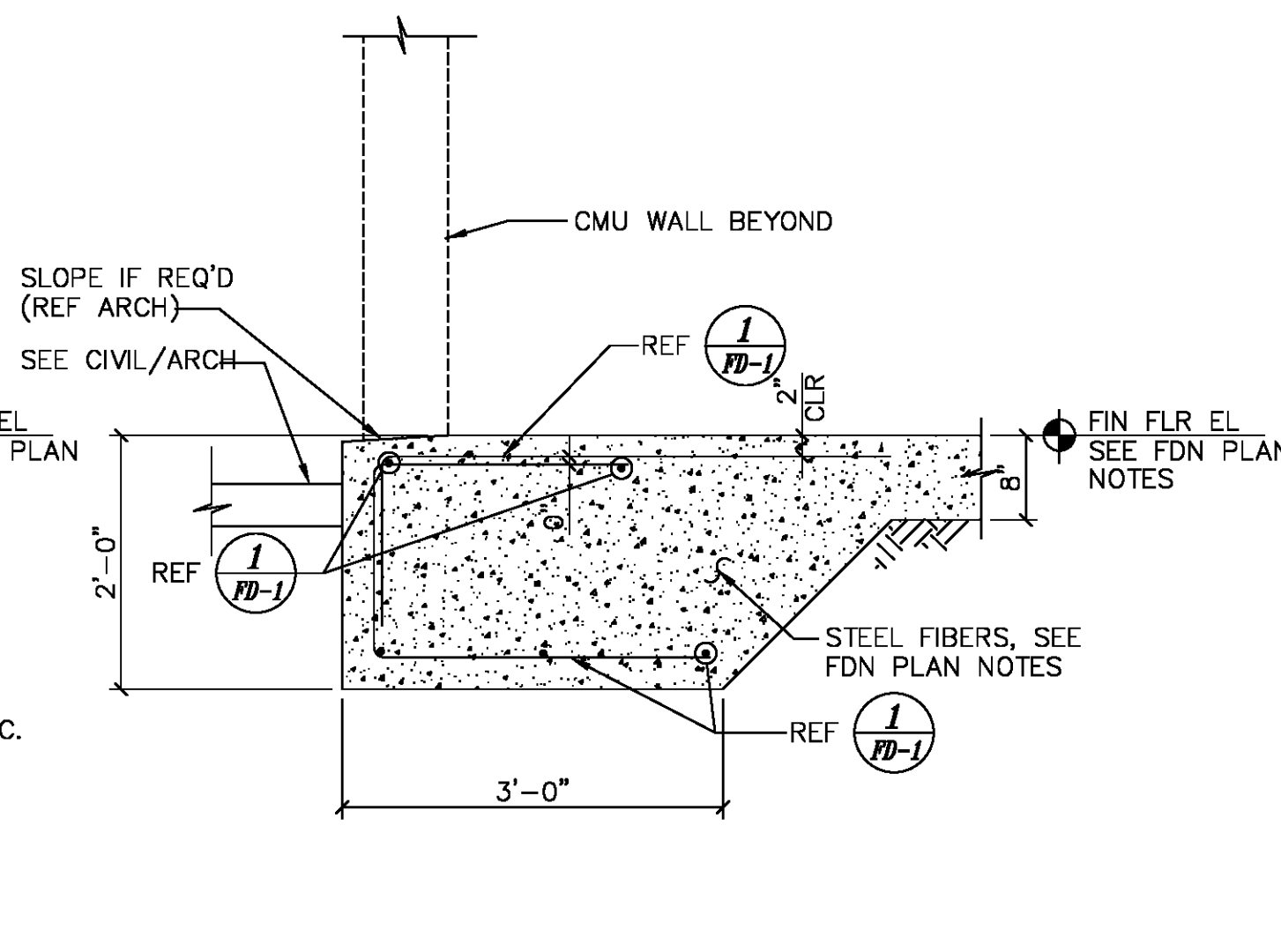
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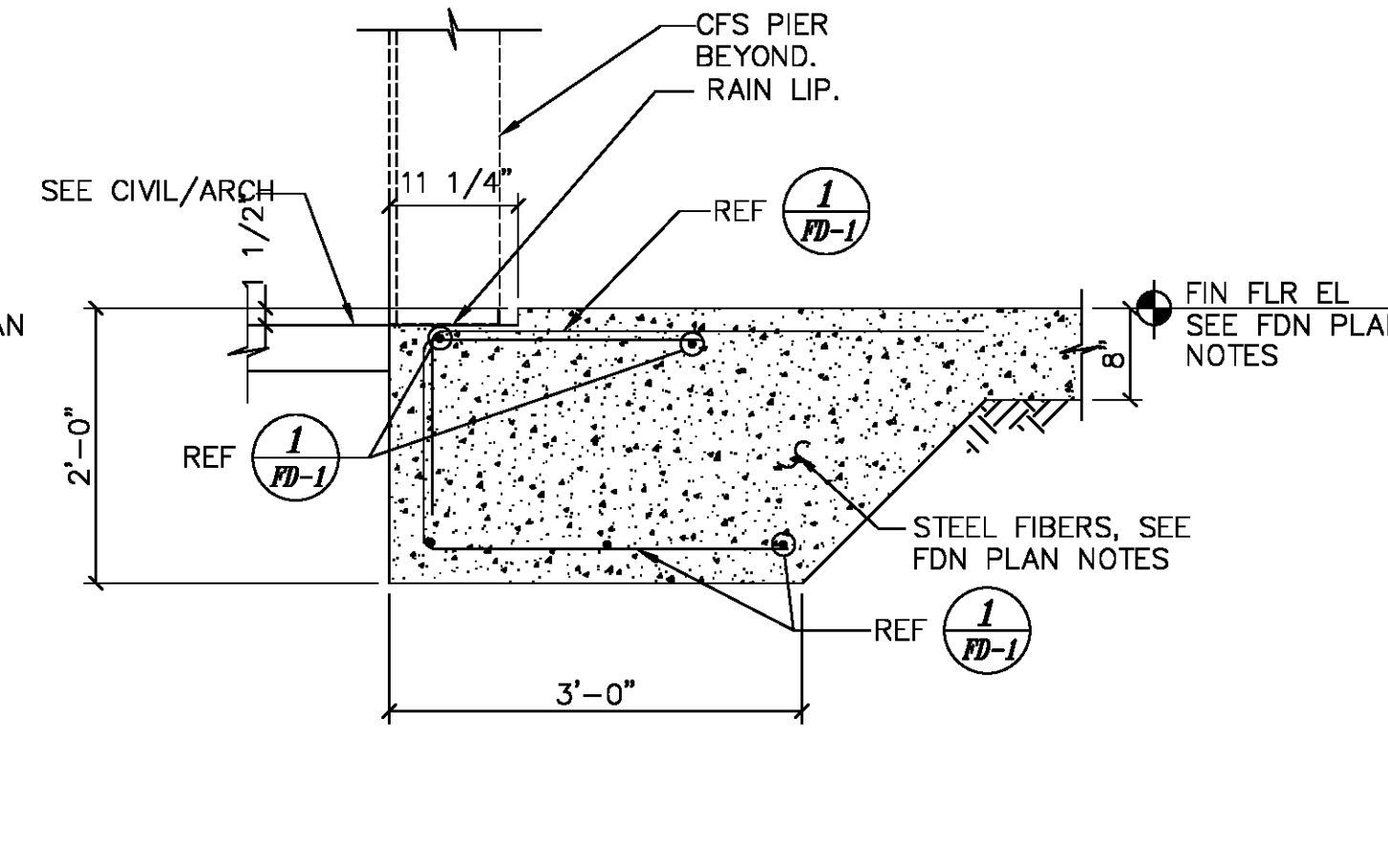
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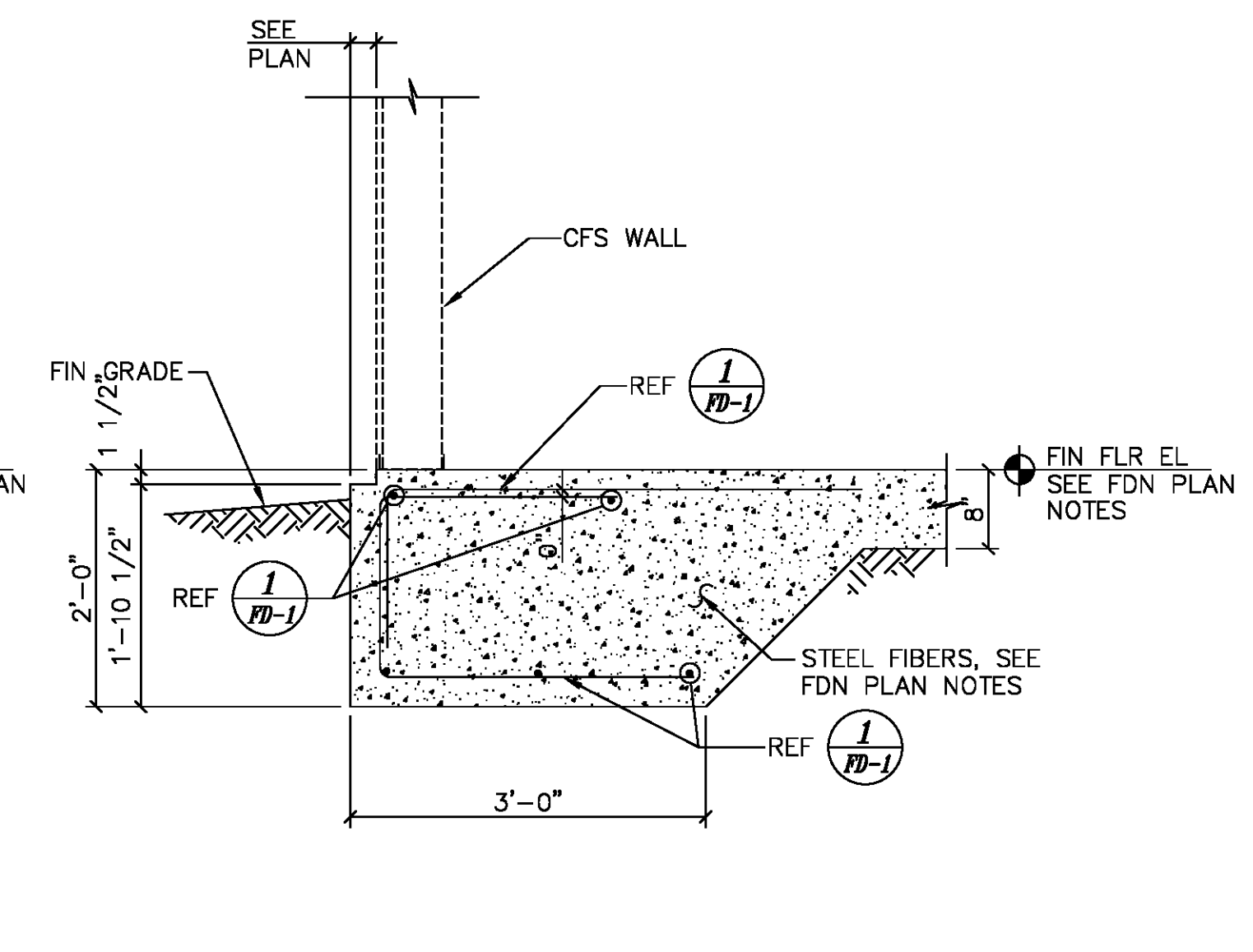
**1** SECTION (EXTERIOR CMU WALL) SCALE: 3/4"=1'-0"



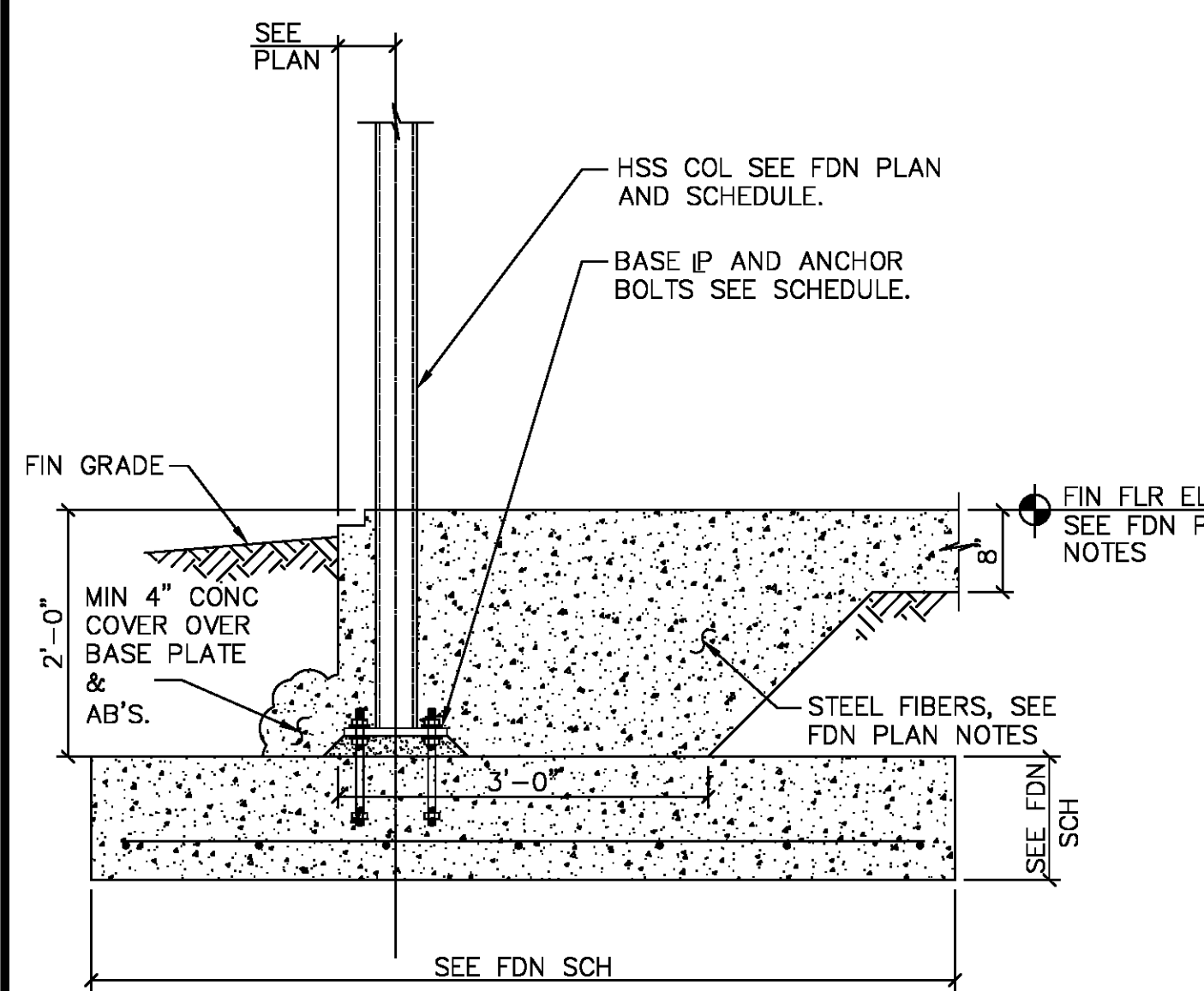
**2** SECTION (EXTERIOR CMU WALL OPNG) SCALE: 3/4"=1'-0"



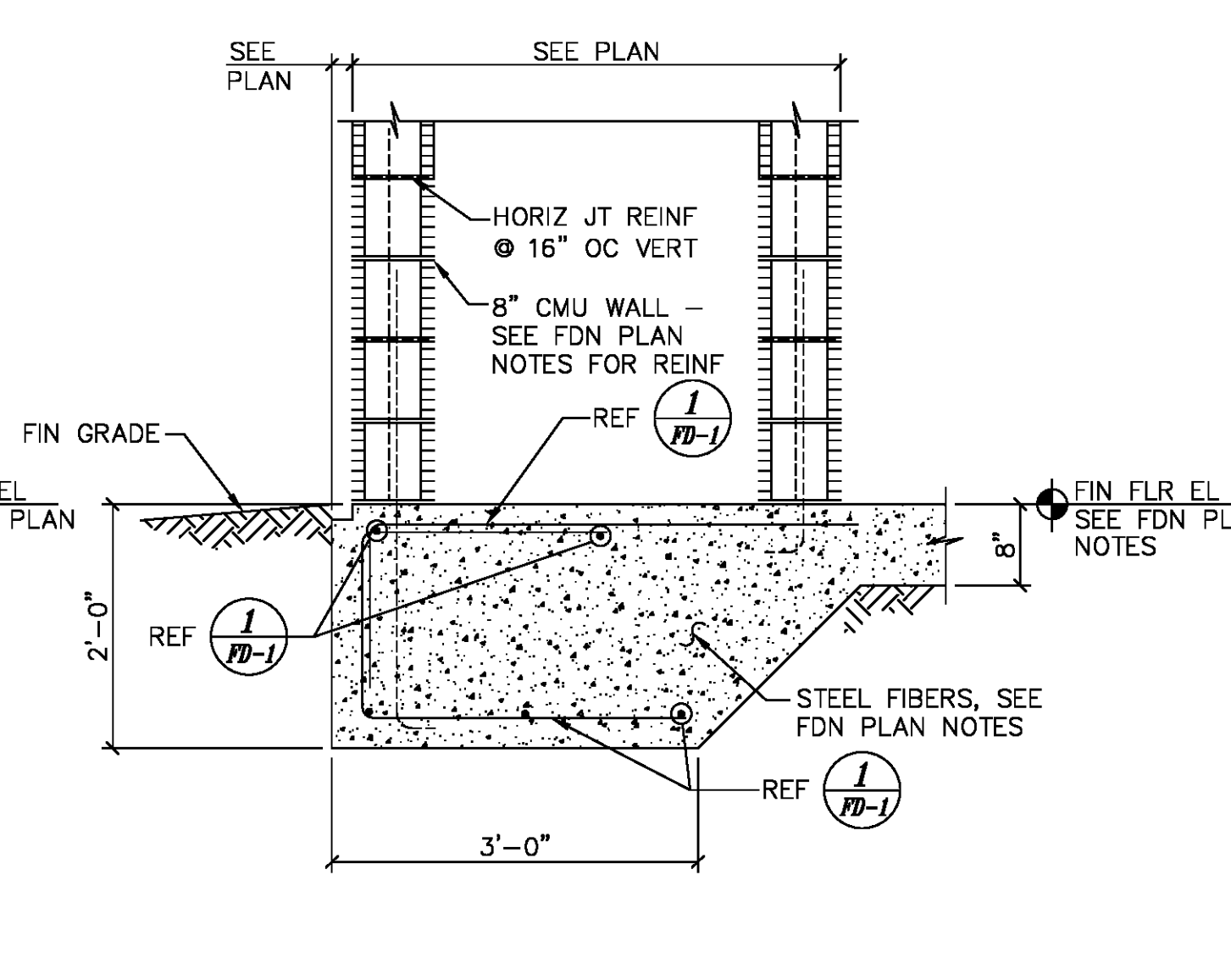
**3** SECTION (RAIN LIP) SCALE: 3/4"=1'-0"



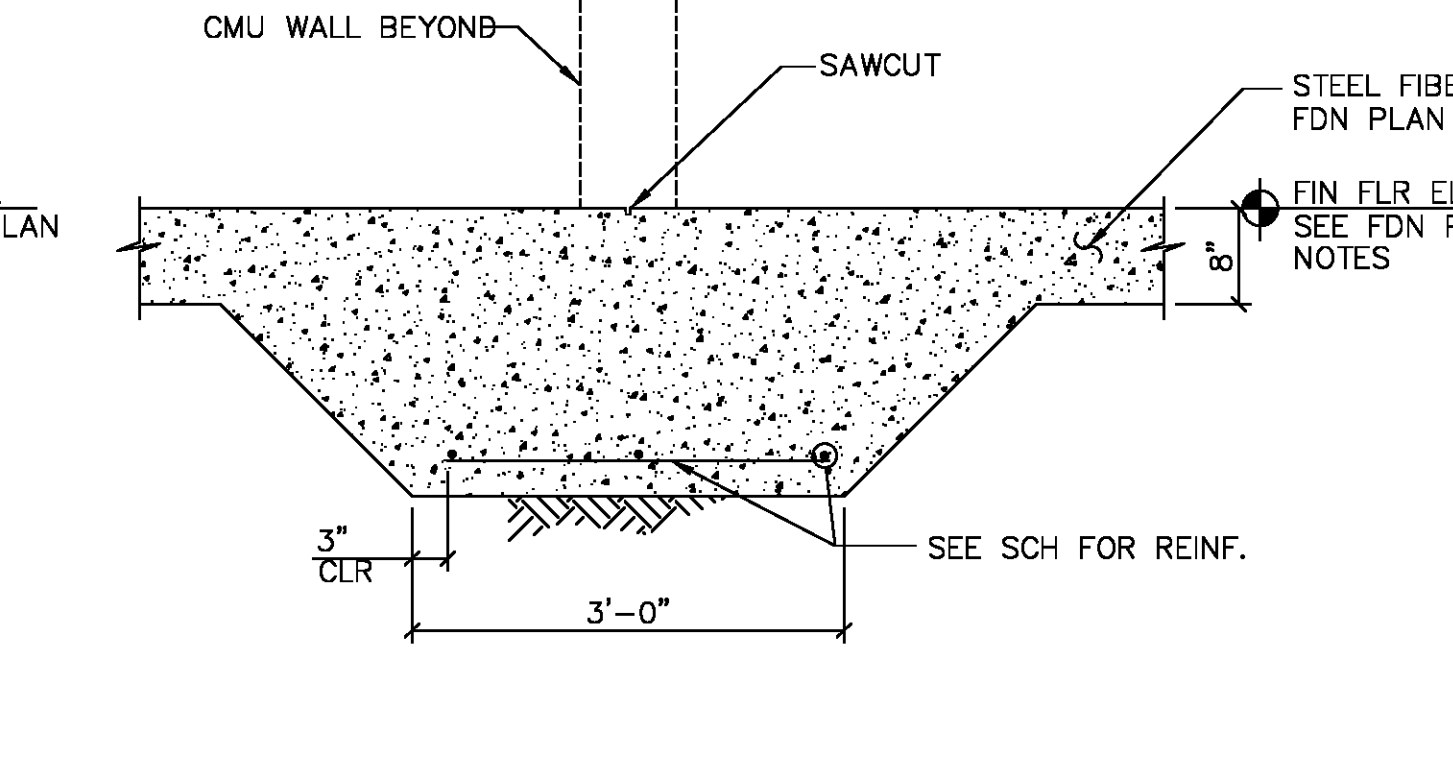
**4** SECTION (SHEET LIP) SCALE: 3/4"=1'-0"



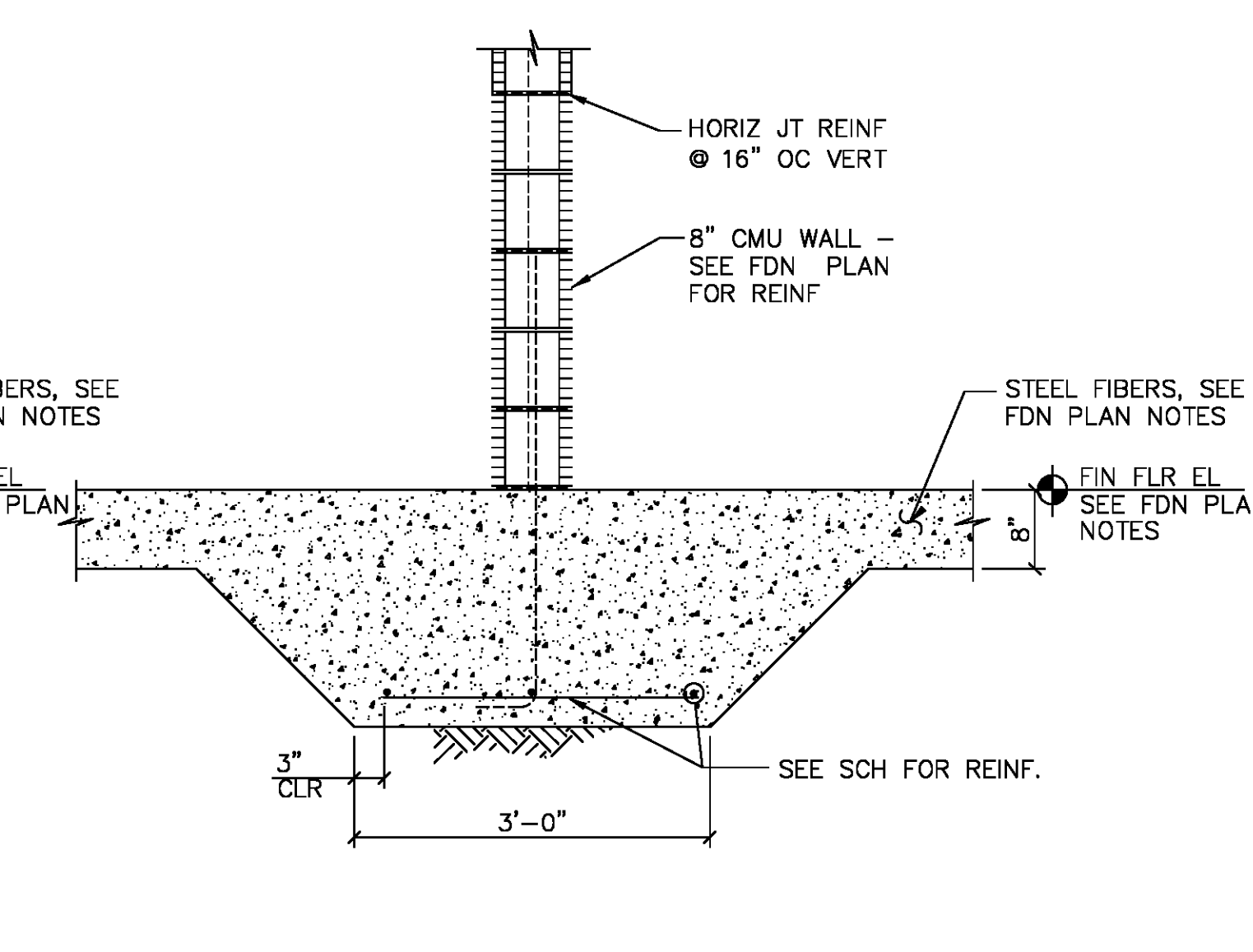
**5** SECTION (EXTERIOR HSS COLUMN) SCALE: 3/4"=1'-0"



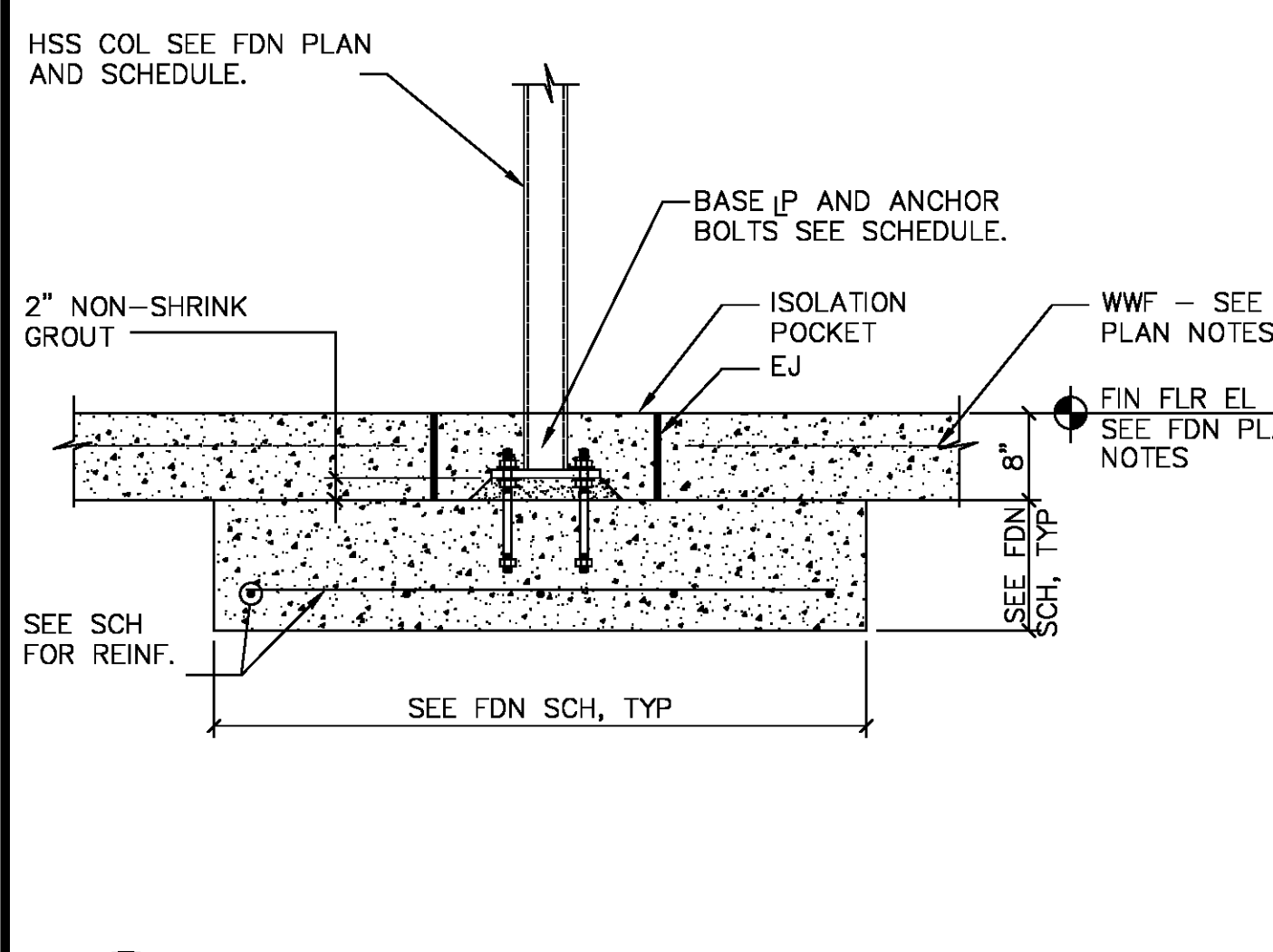
**6** SECTION (EXTERIOR/INTERIOR CMU TOWER) SCALE: 3/4"=1'-0"



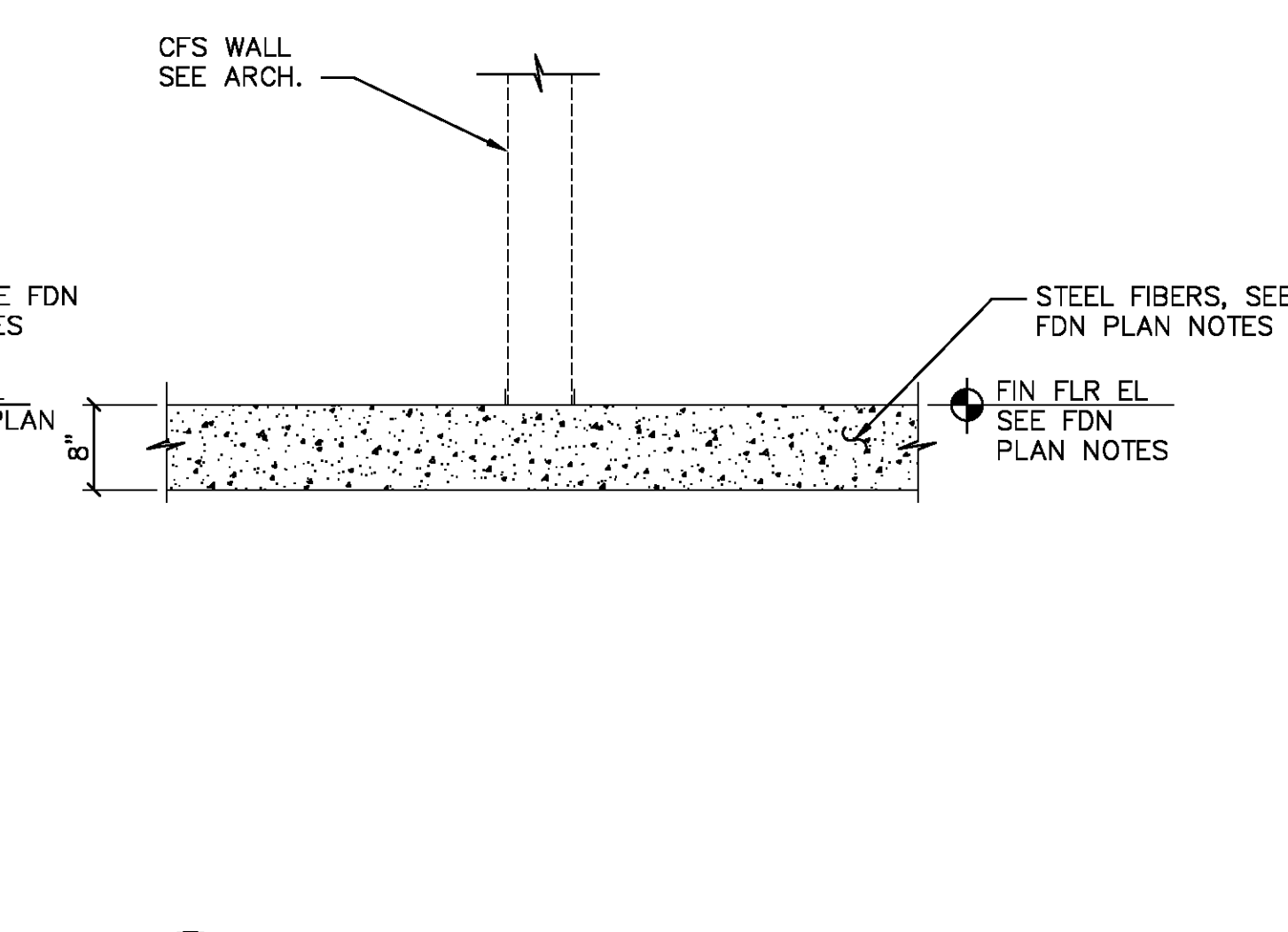
**7** SECTION (INTERIOR CMU WALL OPNG) SCALE: 3/4"=1'-0"



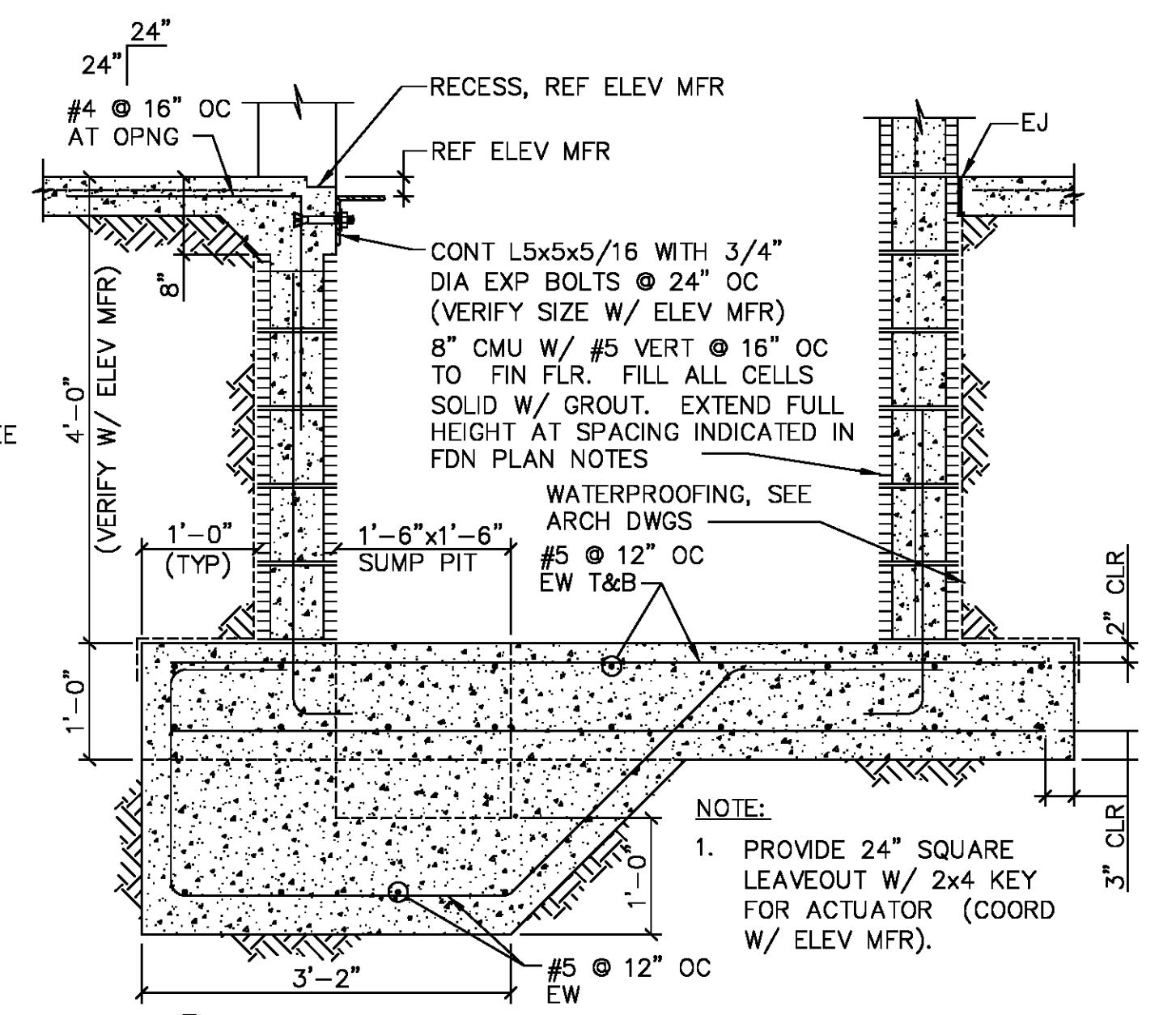
**8** SECTION (INTERIOR CMU WALL) SCALE: 3/4"=1'-0"



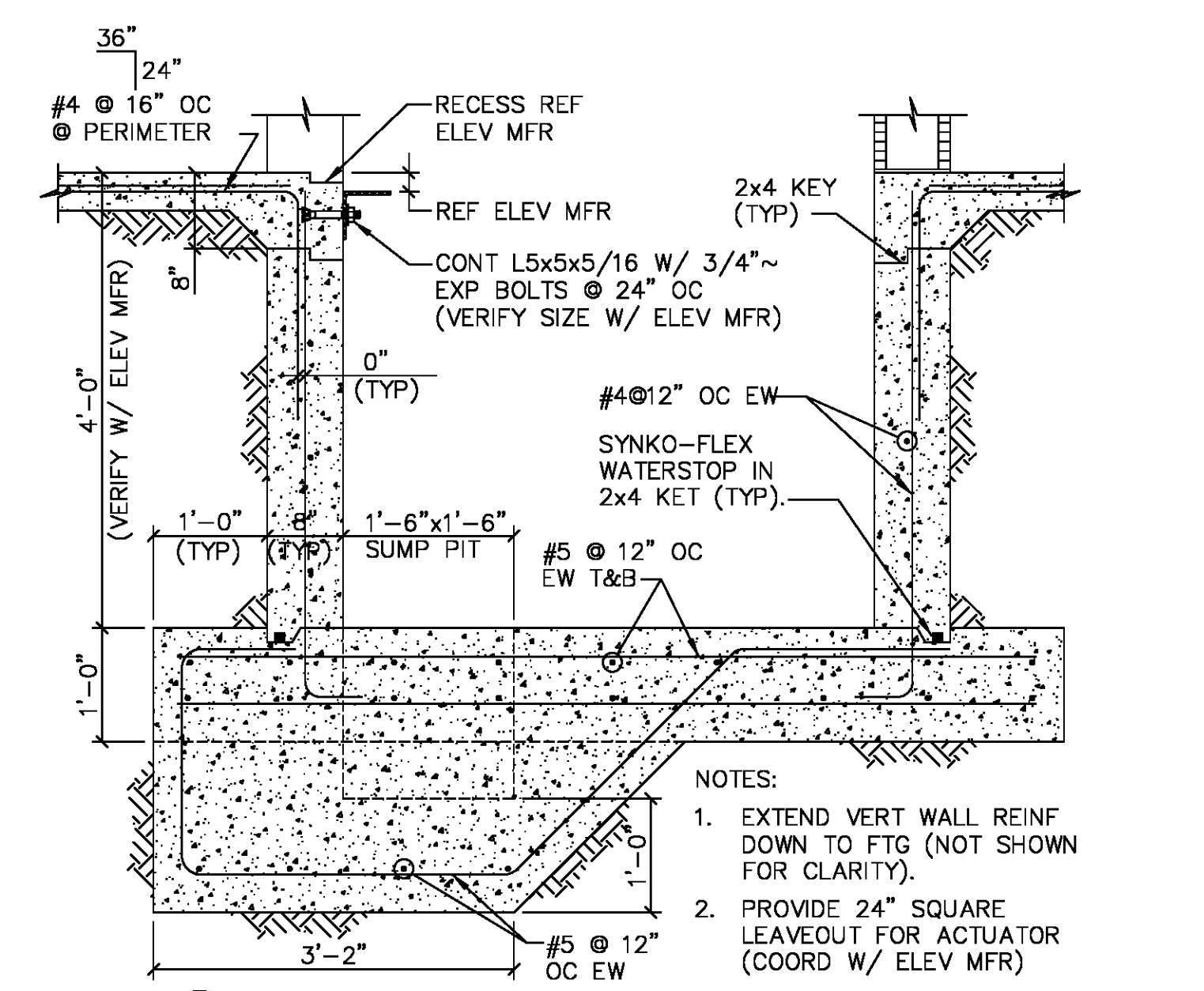
**9** SECTION (INTERIOR HSS COLUMN) SCALE: 3/4"=1'-0"



**10** SECTION (INTERIOR CFS WALL ON SLAB) SCALE: 3/4"=1'-0"



**11** SECTION (ELEVATOR PIT) SCALE: NTS

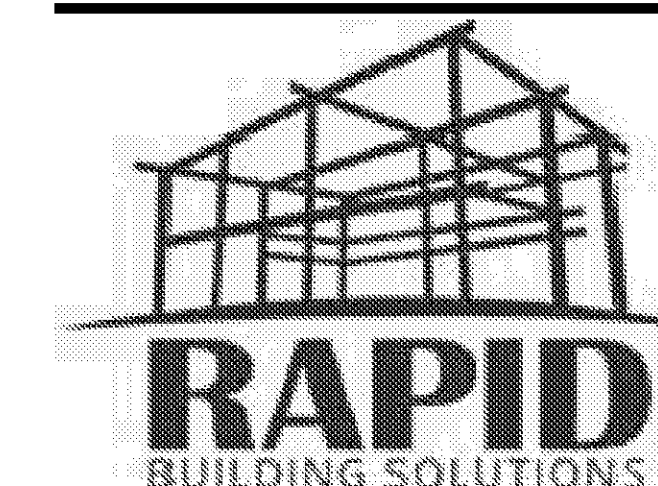
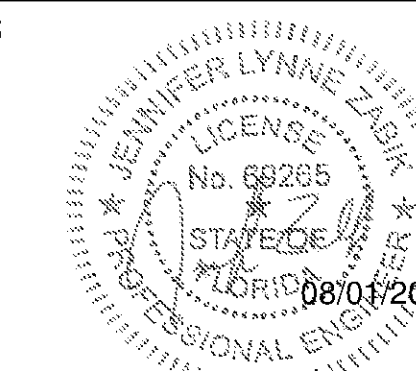


**11A** SECTION (ELEVATOR PIT (GC OPTION)) SCALE: NTS

NOTE:  
1. PROVIDE 24" SQUARE LEAVEOUT W/ 2x4 KEY FOR ACTUATOR (COORD W/ ELEV MFR).

NOTES:  
1. EXTEND VERT WALL REINF DOWN TO FTG (NOT SHOWN FOR CLARITY).  
2. PROVIDE 24" SQUARE LEAVEOUT FOR ACTUATOR (COORD W/ ELEV MFR).

SEALS



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Stuart, Florida

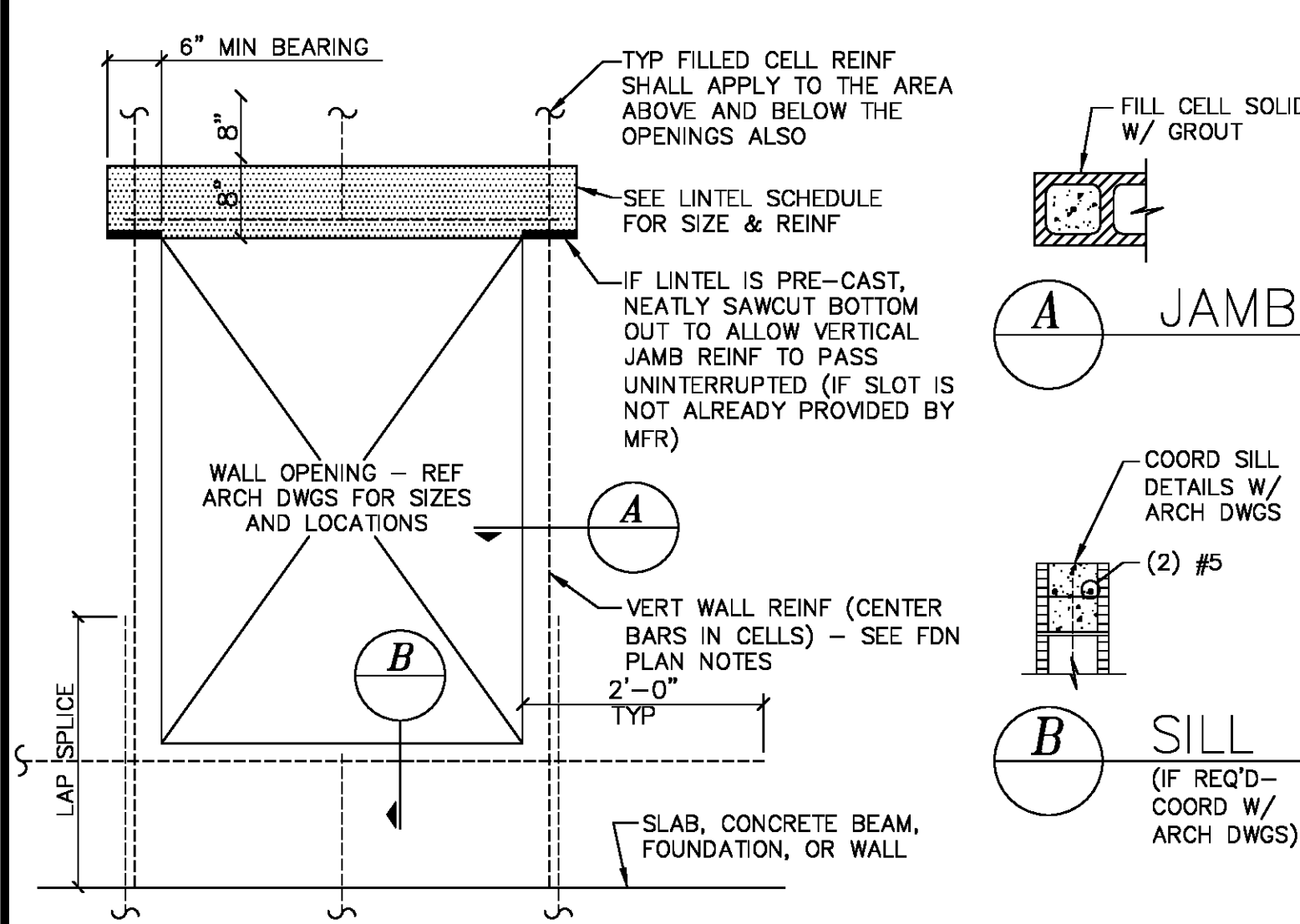
**JOB NUMBER:**  
294-20-STU-FL

REV	DATE	DESCRIPTION	APP
1	06-09-20	Layout Review	JL
2	06-10-20	Layout Review	JL
3	06-11-20	Layout Review	JL
4	06-12-20	Layout Review	RG
5	06-16-20	Layout Review	RG
0	07-22-20	Review Set	RG
1	07-29-20	Review Set	RG
2	07-30-20	Review Set	RG
3	08-01-20	Review Set	RG

ISSUE DATE: June 09, 2020  
DESIGNED BY: RBS DRAWN BY: RBS-JL  
CHECKED BY: RBS SUBMITTED BY: JZ

APPROVED FOR PRODUCTION

INITIALS OF GC/OWNER



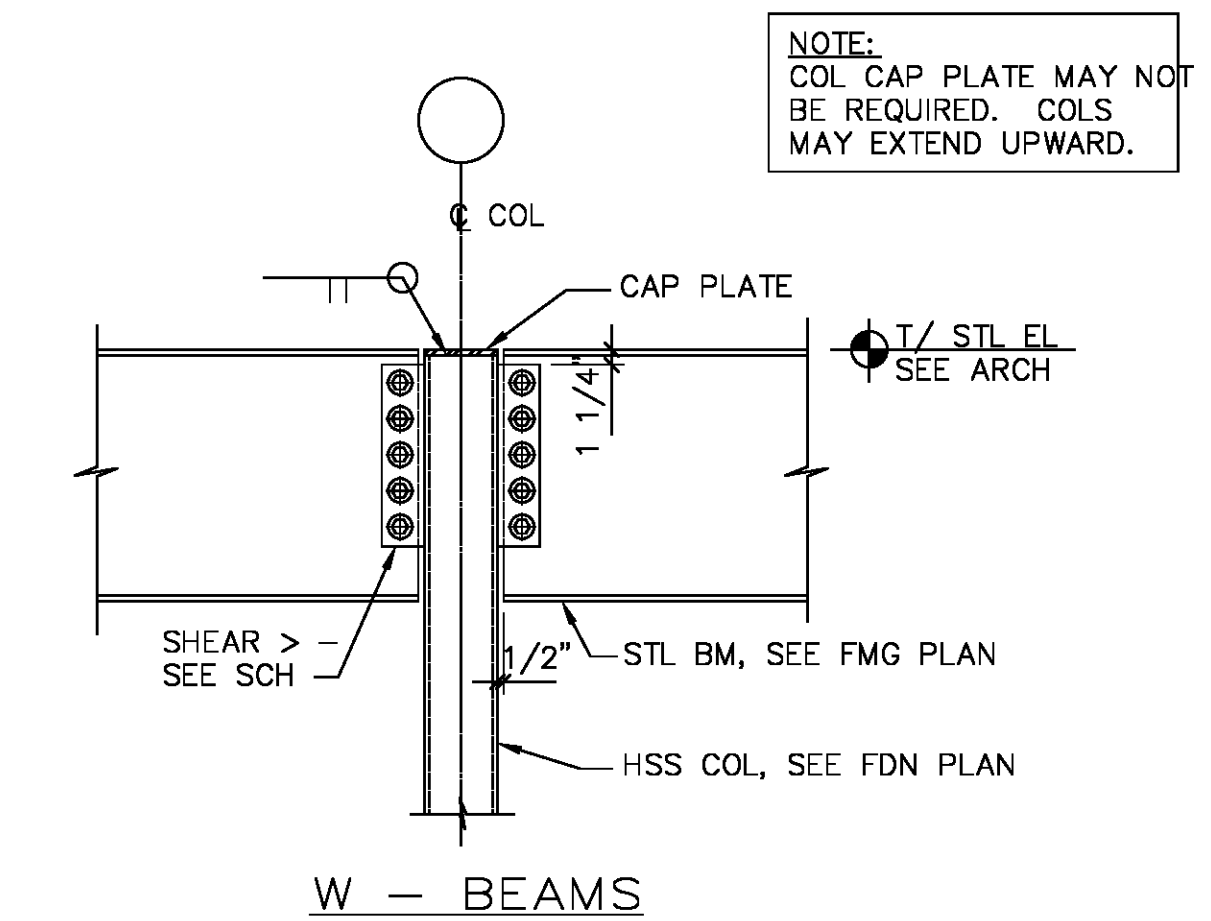
**A** TYPICAL MASONRY WALL OPENING ELEVATION  
FD-2

### LINTEL SCHEDULE (8" CMU)

TYPE	HEIGHT	REINFORCING	MAX CLEAR SPAN	MIN CAPACITY (NOTE 1)
1	8x8	(2) #5 CONT	UP TO 6'-0"	1150 PLF
2	8x16	(2) #5 CONT T&B	UP TO 10'-0"	1450 PLF
3	8x24	(2) #5 CONT T&B	UP TO 14'-0"	1600 PLF

**NOTE TO ENG:**  
VERIFY BEAM CAPACITIES IF YOU HAVE FLOOR OR ROOF LOADS WITHIN THE ARCH ACTION AREA.

**NOTE:**  
1. MIN PB CAPACITY FOR THE INDICATED SPAN MUST BE VERIFIED BY THE PRECAST MFR AND DOCUMENTATION PROVIDED IN THE SUBMITTALS.



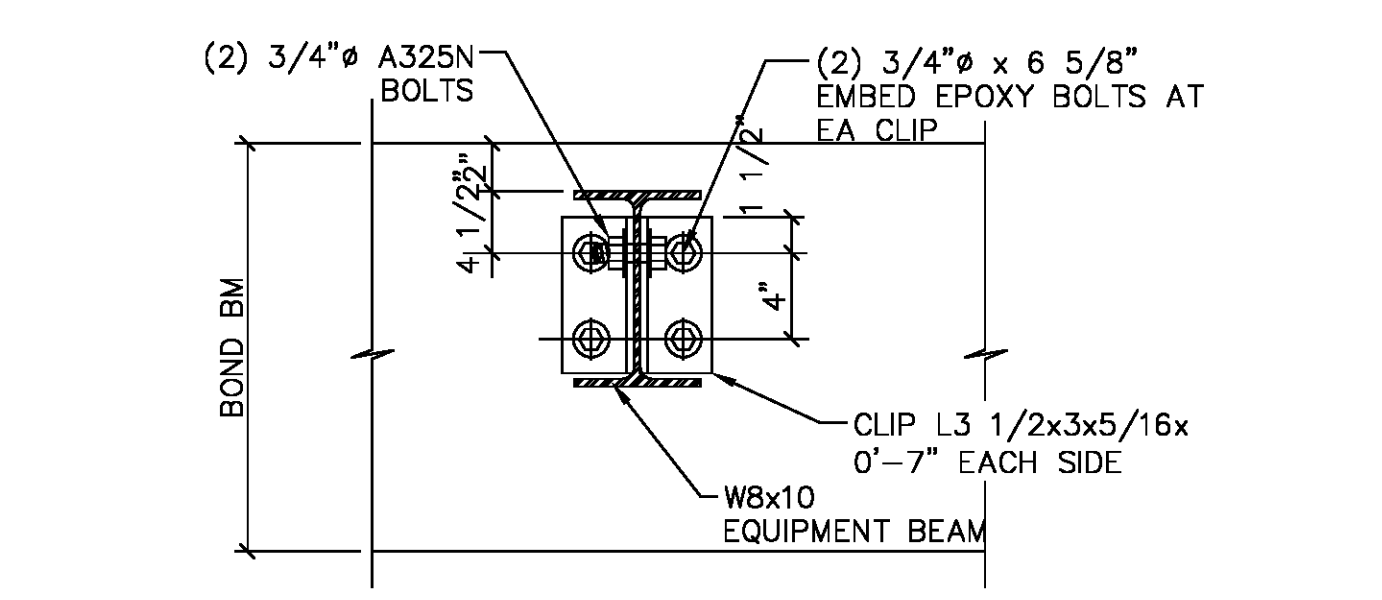
**B** TYPICAL BEAM TO HSS COL CONNECTION  
FD-2

### SINGLE-PLATE SHEAR CONNECTION SCHEDULE (SHOP-WELDED, FIELD-BOLTED)

BEAM DEPTH (SEE PLAN)	NUMBER OF 3/4" DIA A325N BOLTS	PLATE LENGTH "L" (INCHES)	PLATE THICKNESS (36 KSI)	FILLET WELD SIZE (E70XX)	CAPACITY (KIPS)	
					ASD	LRFD
8, 10	2	5 1/2	5/16	1/4	20.4	30.6
12, 14	3	8 1/2	5/16	1/4	31.8	47.7
16	4	11 1/2	5/16	1/4	42.4	63.6
18	5	14 1/2	5/16	1/4	53.0	79.5
21	6	17 1/2	5/16	1/4	63.6	95.4

**NOTES:**  
1. FOR BEAMS NOT SHOWN HEREIN, THE FABRICATOR SHALL DESIGN THE SHEAR CONNECTION BASED ON THE REACTION SHOWN ON THE PLAN.  
2. PROVIDE HORIZ SLOTS IN SHEAR PLATE.  
3. BEAMS SHALL BE 50 KSI.  
4. PROVIDE HARDENED WASHER OVER SLOTTED HOLES.  
5. BOLTS SHALL BE INSTALLED "SNUG-TIGHT".

SHEAR PLATE DETAIL



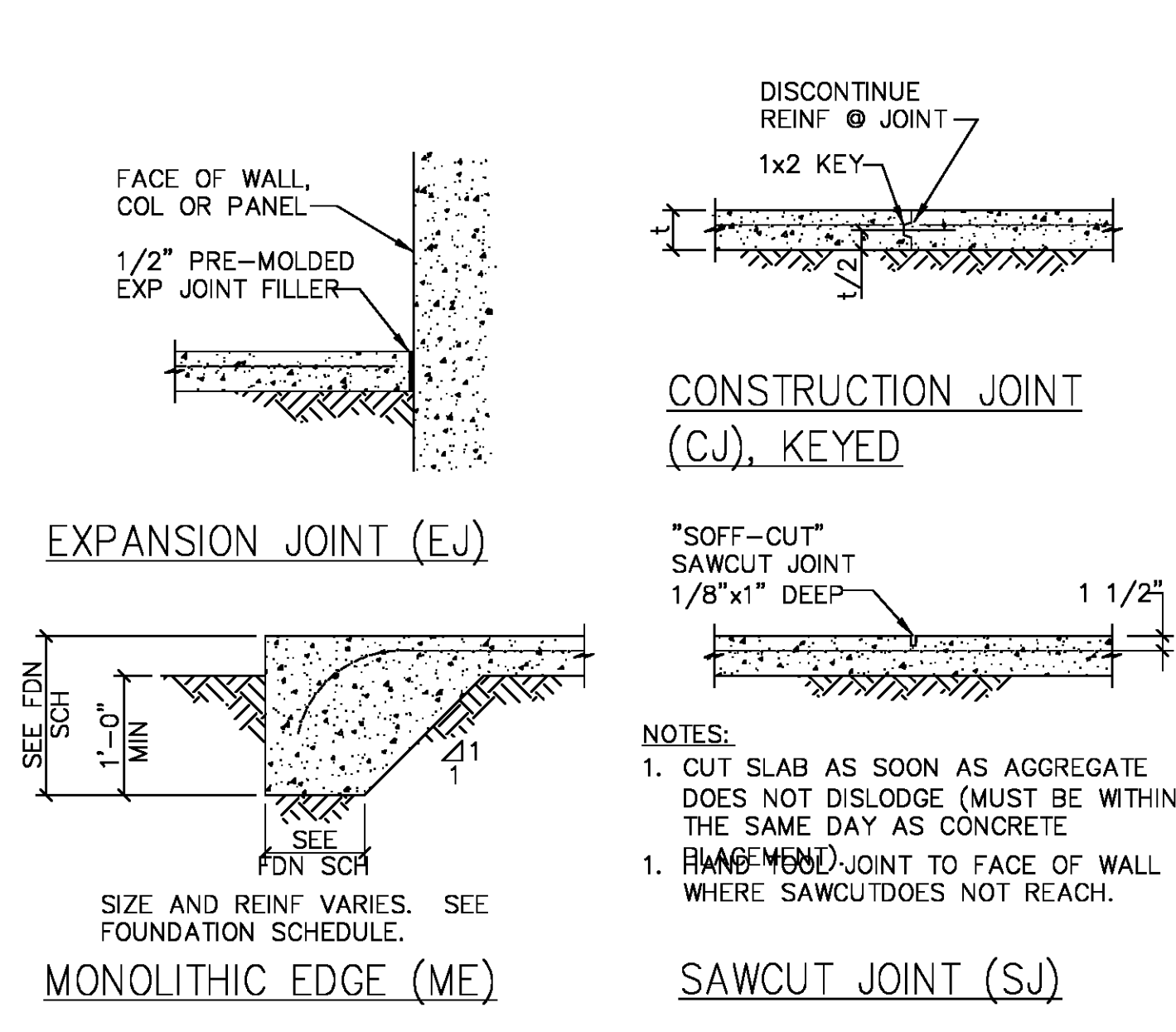
**2** SECTION (ELEVATOR HOIST BEAM)  
FD-2 SCALE: NTS

### MASONRY WALL/CONCRETE BEAM SCHEDULE

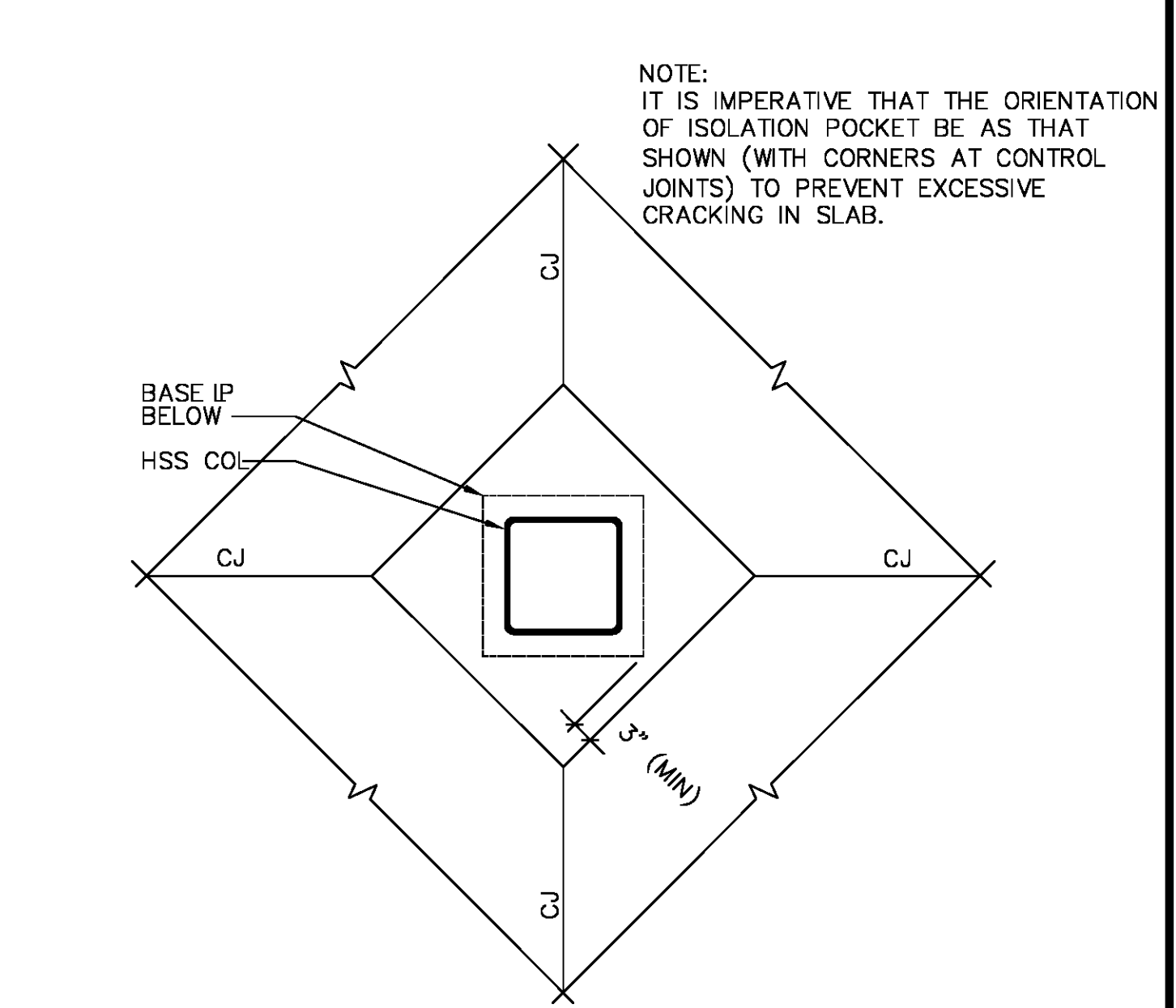
MARK	TYPE	NOMINAL SIZE (W"xD")	REINFORCING			STIRRUPS		COMMENTS
			BOT	MID	TOP	SIZE	SPACING	
BB1	1	8x8	--	(2) #5	--	--	--	
BB2	2	8x16	(2) #5	--	(2) #5	--	--	
CB1	4	8x16	(2) #5	--	(2) #5	#3	12" OC	
TB1	3	8x16	(2) #5	--	(2) #5	#3	24" OC	
TB2	3	8x12(MIN)	(2) #5	--	(2) #5	#3	24" OC	MATCH COURSING

**BEAM TYPES**

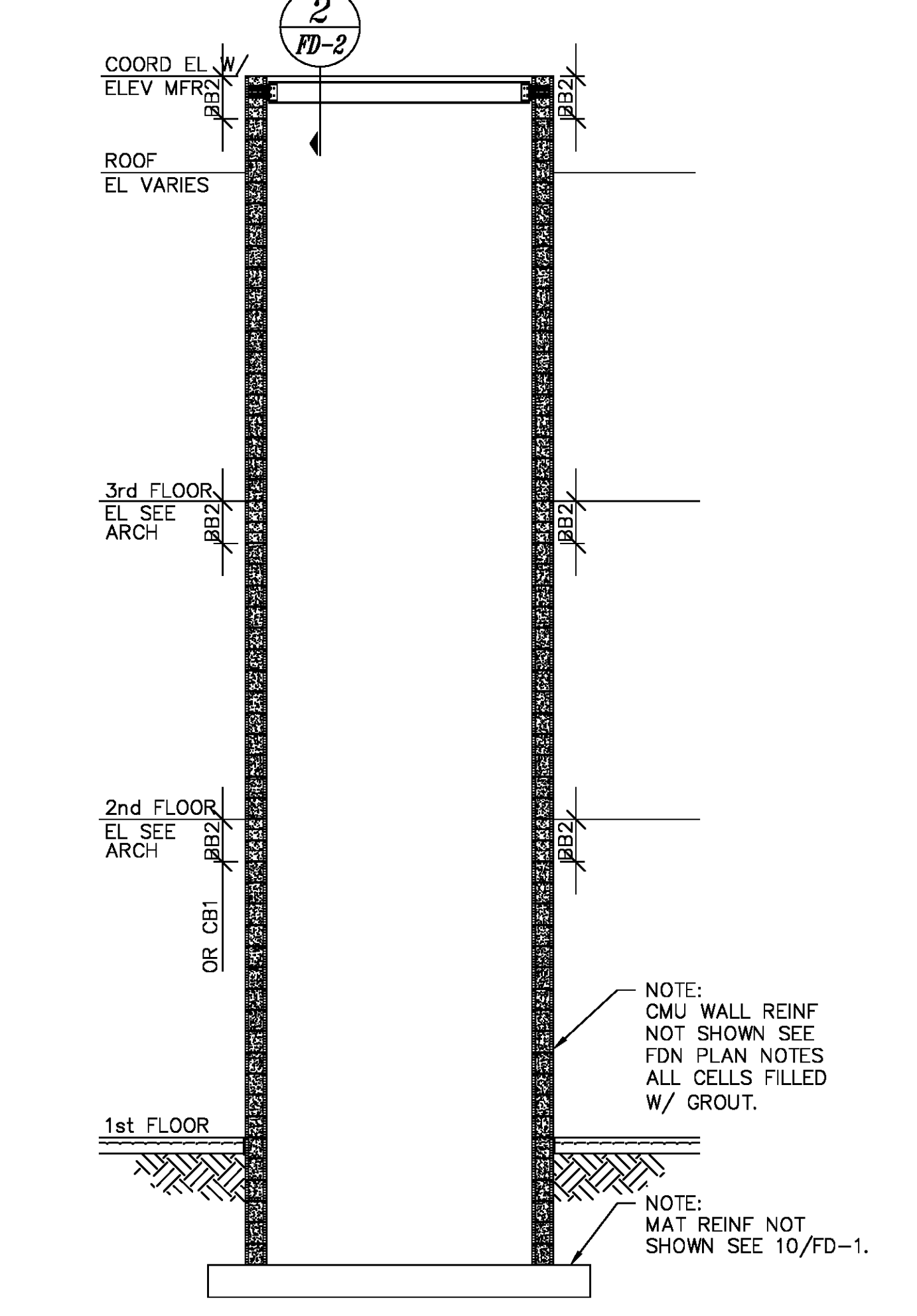
**NOTES:**  
1. "BB" = BOND BEAM (COMPOSED OF KNOCK-OUT BLOCK)  
2. "TB" = TIE BEAM (FORMED AND POURED)  
3. "CB" = CONCRETE BEAM (FORMED AND POURED)



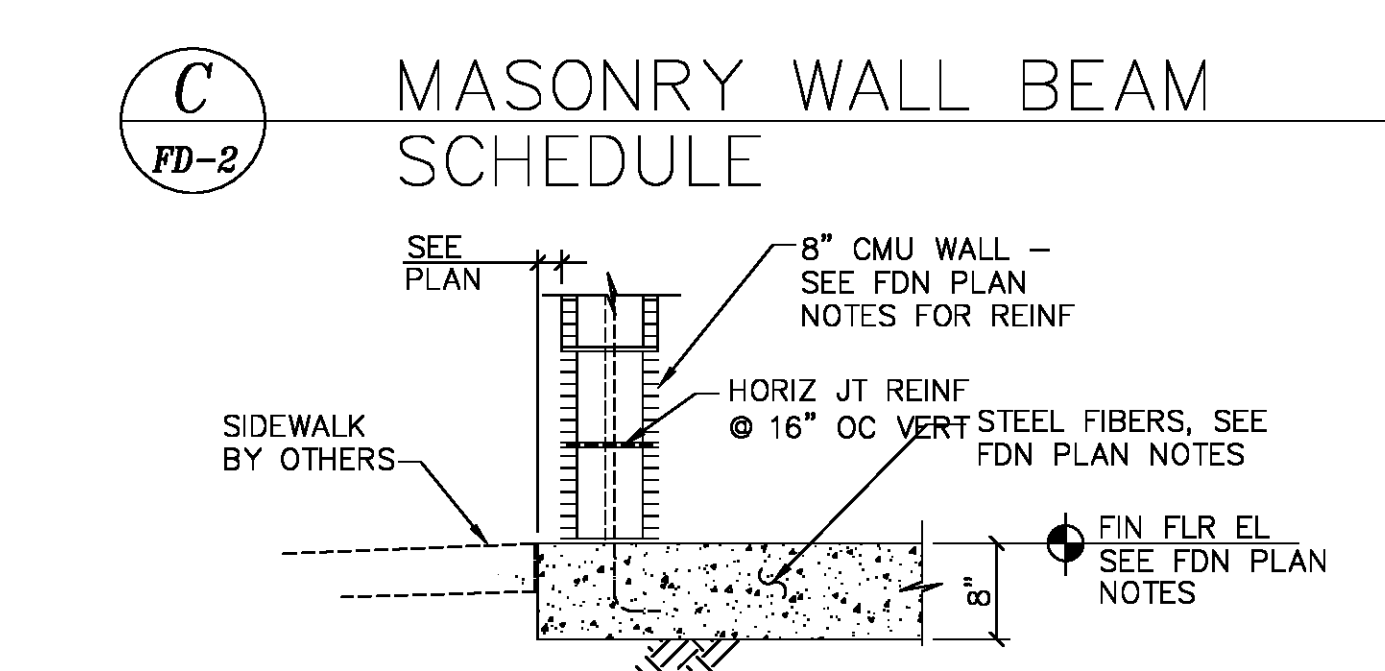
**D** DETAILS (SLAB-ON-GRADE)  
FD-2 SCALE: NTS



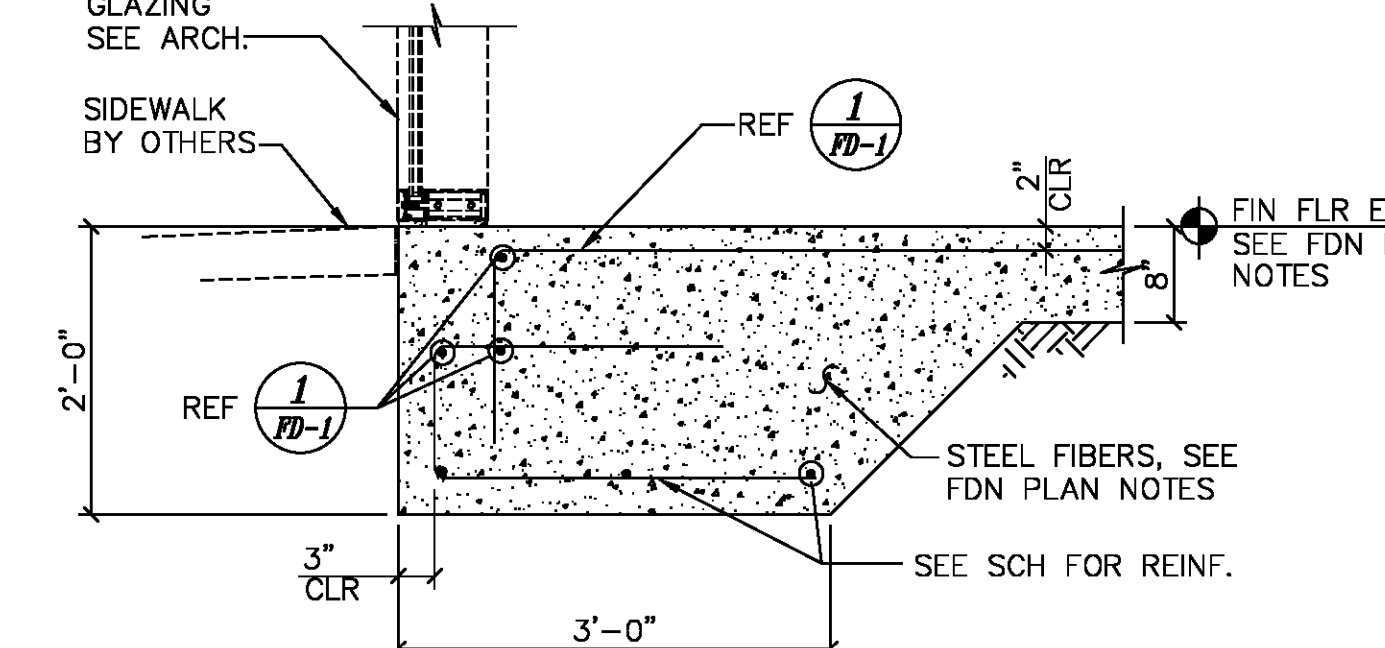
**E** DETAIL (ISOLATION POCKET)  
FD-2 SCALE: NTS



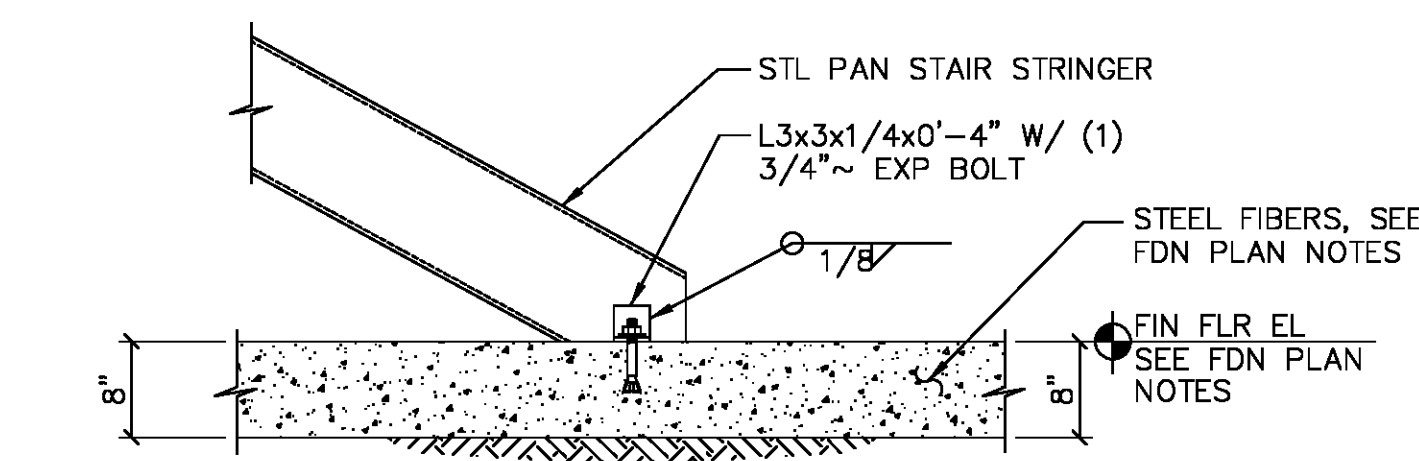
**1** SECTION (ELEVATOR SHAFT)  
FD-2 SCALE: NTS



**3A** SECTION (CMU TOWER)  
FD-2 SCALE: 3/4"=1'-0"



**3** SECTION (GLAZING)  
FD-2 SCALE: 3/4"=1'-0"



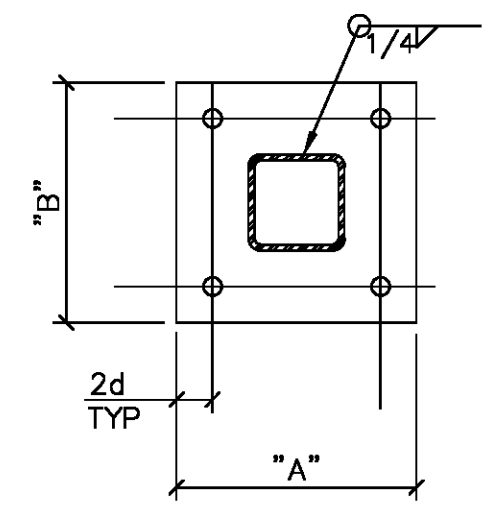
**4** SECTION (STAIR STRINGER CONN TO SLAB)  
FD-2



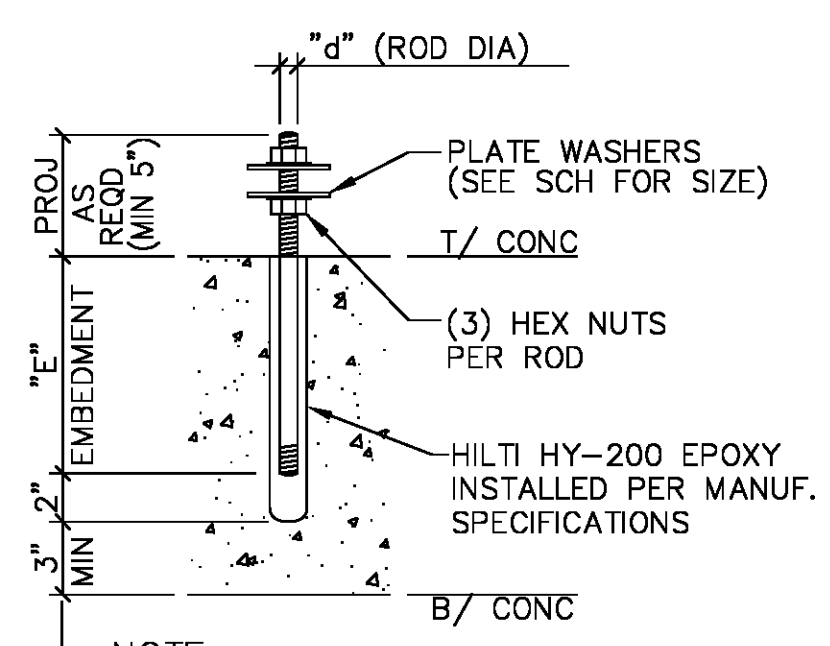
COLUMN & BASE PLATE SCHEDULE

MARK	SIZE	BASE PLATE SIZE (INCHES)			ANCHOR ROD (INCHES)		COMMENTS
		A	B	T	E	d	
C1	HSS 4x4x1/4	10	10	3/4	9	3/4	
C2	HSS 6x6x1/4	12	12	3/4	9	3/4	

NOTES:  
 1. ANCHOR RODS SHALL BE ASTM F1554 (GRADE 36) UNF, THREADED EACH END WITH NUT AT BOTTOM, PLATE WASHER AT BOTTOM NUT IS NOT REQ'D. INCREASE FOOTING THICKNESS AT ANCHOR RODS TO PROVIDE MIN 3" COVER. SEE NOTE BELOW IN ANCHOR ROD DETAIL.  
 2. PLATE WASHERS SHALL HAVE HOLE WITH DIAMETER EQUAL TO ROD DIAMETER + 1/16". CIRCULAR OR SQUARE WASHERS ARE ACCEPTABLE.  
 3. IT SHALL BE ACCEPTABLE TO PROVIDE A HEAVY HEX HEAD BOLT IN LIEU OF THE THREADED ROD WITH HEAVY HEX NUT AT BOTTOM.



BASE PLATE DETAIL  
NOT TO SCALE



NOTE:  
IF FOOTING IS NOT SCHEDULED WITH SUFFICIENT THICKNESS, THEN INCREASE THICKNESS AT ANCHOR BOLTS ONLY  
EPOXY ANCHOR ROD DETAIL  
NOT TO SCALE

**A** COLUMN & BASE PLATE SCHEDULE  
FD-3

FOUNDATION SCHEDULE

MARK	SIZE (L x W x D)	REINFORCING	REMARKS
ME30	CONT x 3'-0" x 2'-0"	SEE 1/FD-1 FOR REINF	MONOLITHIC EDGE
F40	4'-0" x 4'-0" x 1'-4"	(4) #5 EA WAY, BOT	COL PAD FOOTING
F50	5'-0" x 5'-0" x 1'-4"	(5) #5 EA WAY, BOT	COL PAD FOOTING
F60	6'-0" x 6'-0" x 1'-4"	(6) #5 EA WAY, BOT	COL PAD FOOTING
F80	8'-0" x 8'-0" x 1'-4"	(8) #5 EA WAY, BOT	COL PAD FOOTING
MWF30	CONT x 3'-0" x 2'-0"	(3) #5 CONT, #5 @ 24" OC TRANSV	MONOLITHIC WALL FOOTING

FOUNDATION DESIGN INFORMATION

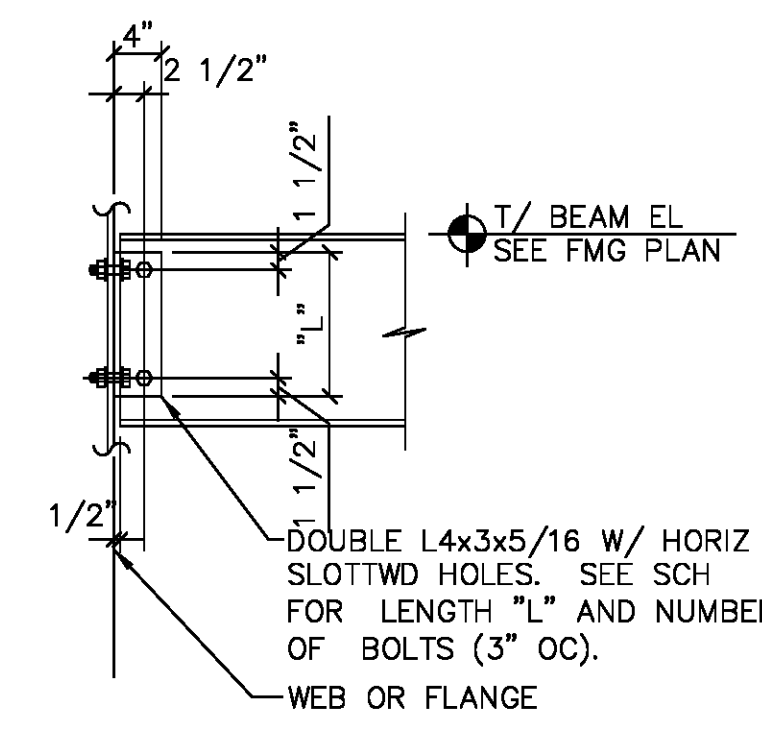
ALL FOUNDATION DESIGNED IS BASED ON AN ASSUMED NET ALLOWABLE SOIL BEARING PRESSURE OF 4000 PSF. A SOILS REPORT SHALL BE OBTAINED PRIOR TO THE PROJECT START AND THE BEARING PRESSURE SHALL BE CONFIRMED. OWNER ASSUMES ALL LIABILITY IF A SOILS REPORT IS NOT OBTAINED AND/OR THE BEARING PRESSURE IS NOT VERIFIED.

**B** FOUNDATION SCHEDULE  
FD-3

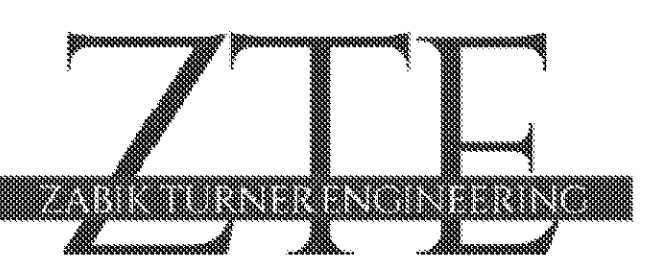
SHEAR CONNECTION SCHEDULE

BEAM SIZE (SEE PLAN)	NUMBER OF ROWS OF 3/4" DIA A325N BOLTS	ANGLE LENGTH "L"	MAX ULTIMATE END REACTION (KIPS)
W8, W10	2	6"	21.2
W12, W14	3	9"	31.8
W16	4	12"	42.4
W18	5	15"	53.0
W21	6	18"	63.6
W24	7	21"	74.2
W27	8	24"	84.8
W30	9	27"	95.4

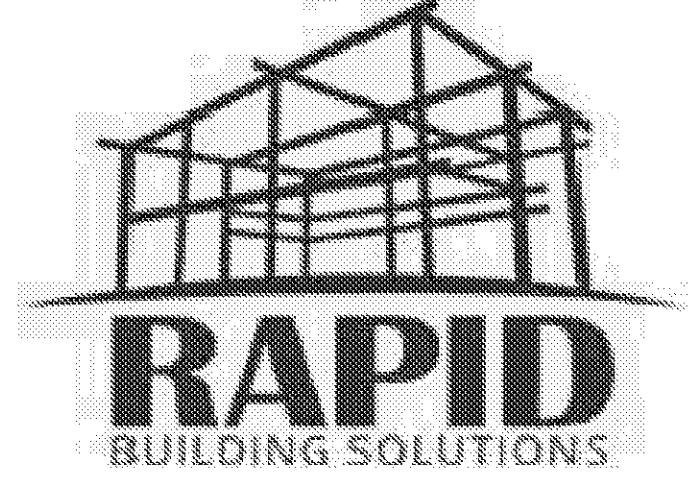
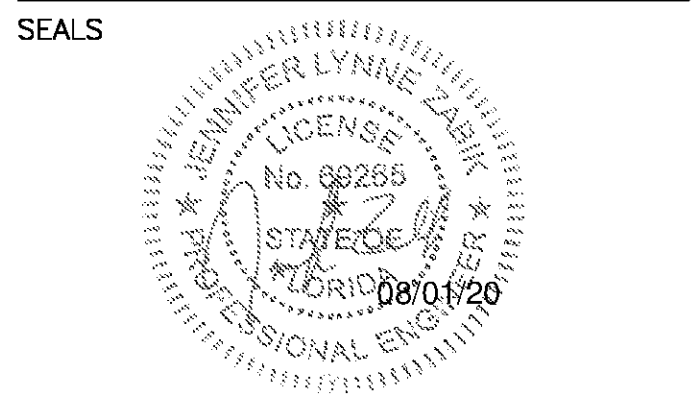
NOTES:  
 1. FOR BEAMS NOT SHOWN HEREIN, FABRICATOR SHALL DESIGN THE SHEAR CONNECTION BASED ON THE REACTION SHOWN ON THE PLAN.  
 2. ANGLE MATERIAL SHALL BE ASTM A36.  
 3. BEAM MATERIAL SHALL BE 50 KSI.  
 4. FABRICATOR SHALL CHECK BEAM WEB TEAR-OUT (BLOCK SHEAR) IF BEAM IS COPEL.  
 5. PROVIDE WASHER OVER SLOTTED HOLES.  
 6. BOLTS SHALL BE INSTALLED "SNUG-TIGHT".



**C** TYPICAL BEAM TO BEAM  
FD-3



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**JOB NAME:**  
 Bee Safe  
 Mariner Village  
 Stuart, Florida

**JOB NUMBER:**  
 294-20-STU-FL

REV	DATE	DESCRIPTION	APP
1	06-09-20	Layout Review	JL
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APPROVED FOR PRODUCTION  
 INITIALS OF GC/OWNER

**RBS-FD-3**

## SPECIFICATIONS:

DESIGN CRITERIA: BUILDING CRITERIA - 2017 Florida Building Code, 6th Edition

### DESIGN LOADS

ROOF DEAD LOAD 5 PSF  
ROOF LIVE LOAD 20 PSF

FLOOR DEAD LOAD 45 PSF 4.5' TOTAL DEPTH SLAB/DECK  
10 PSF MISC STORAGE

FLOOR LIVE LOADS 125 PSF CORRIDORS  
125 PSF EXITS

GROUND SNOW LOAD, P<sub>g</sub> 0 PSF

WIND VELOCITY, V<sub>ult</sub> = 165 MPH  
V<sub>asd</sub> = 125 MPH

RISK CATEGORY II  
IMPORTANCE FACTOR I 1.00  
EXPOSURE C  
BUILDING IS DESIGNED AS FULLY ENCLOSED

IMPORTANCE FACTOR I 1.00 S<sub>s</sub> = 5.2%g, S<sub>1</sub> = 2.7%g  
RISK CATEGORY II RVI = 1.2 KIPS (1-STORY)  
SITE CLASS D (ASSUMED) S<sub>ds</sub> = 5.0%g, S<sub>d1</sub> = 4.2%g  
(Fa 1.6 Fv 2.4)

DESIGN BASE SHEAR (KIPS) = BLDG A - 129.6 KIPS (3-STORY)  
RVI = 1.2 KIPS (1-STORY)  
RV2 = 0.5 KIPS (1-STORY)

RESPONSE COEFF = 0.0187 RESPONSE MOD FACTOR, R = 3

ANALYSIS: EQUIVALENT LATERAL FORCE PROCEDURE

ALLOWABLE BEARING PRESSURE = 2000 PSF (ASSUMED)

### STRUCTURAL NOTES

- TEMPORARY BRACING SHALL BE PROVIDED TO RESIST WIND LOADING ON STRUCTURAL COMPONENTS AND STRUCTURAL ASSEMBLIES DURING ERECTION AND CONSTRUCTION PHASE.
- NEVER ALLOW YOUR ROOF TO COME IN CONTACT WITH OR WATER RUNOFF FROM ANY DISSIMILAR METAL INCLUDING BUT NOT LIMITED TO COPPER, LEAD OR GRAPHITE. THIS INCLUDES COPPER AND ARSENIC SALTS USED IN TREATED WOOD, CALCIUM USED IN CONCRETE, MORTAR AND GROUT.
- SCOPES OF WORK BY OTHERS WHOSE LATERAL LOADS WILL BE TRANSFERRED INTO STEEL MEMBER PROVIDED BY SELLER/SUBCONTRACTOR SHALL BE TEMPORARILY BRACED BY OTHERS IN A METHOD THAT DOES NOT INTERFERE WITH ERECTION OF STEEL, UNTIL STEEL ERECTION IS COMPLETE.
- THE UNCOATED MINIMUM STEEL THICKNESS OF THE COLD-FORMED PRODUCTS AS DELIVERED SHALL NOT BE LESS THAN 95% PERCENT OF THE DESIGN THICKNESS. THICKNESS MEASUREMENTS MAY BE MADE ANYWHERE ACROSS THE WIDTH OF THE SHEET, BUT NOT CLOSER TO THE EDGES THAN THE MINIMUM DISTANCES SPECIFIED IN THE RELEVANT ASTM SPECIFICATIONS. IT BEAMS, SUCH AS CHANNELS, MAY BE LESS THAN 95 PERCENT OF DESIGN THICKNESS, DUE TO COLD-FORMING EFFECTS, AND STILL BE ACCEPTABLE.
- RECESSED ENTRIES AND BREEZEWAYS MUST BE RECESSED BELOW FINISHED FLOOR TO AVOID POTENTIAL WATER PROBLEMS. ROLL UP LOCATED IN BREEZEWAY MUST BE INSTALLED IN RECESSED AREA IF A CHANGE IS MADE BY OWNER/CONTRACTOR. SELLER/SUBCONTRACTOR MUST BE NOTIFIED IMMEDIATELY.
- ALL ERECTION, FABRICATION, WORKMANSHIP AND INSTALLATION SHALL BE IN ACCORDANCE WITH INSTALLATION PROCEDURES MANUAL AND I OR INDUSTRY STANDARDS APPROVED BY SELLER / SUBCONTRACTOR AND THE ENGINEER OF RECORD.

### ROOF SYSTEMS: MBI OR EQUAL

- ROOF SHEETS SHOULD BE INSTALLED FROM THE LOWEST STEP-DOWN TO HIGHEST ELEVATION.
- ROOFING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECS, ALONG WITH SELLER/SUBCONTRACTOR INSTALL. PROCEDURES MANUAL.

### FASTENERS AND ANCHORS

- THE FOLLOWING OUTLINES THE MECHANICAL ANCHORS THAT ARE APPROVED FOR USE ON THIS PROJECT.
  - EXPANSION ANCHORS - KWIK BOLT T2" BY HILTI OR EQUAL. DRILL HOLE IN CONCRETE OR GROUT FILLED CMU AND REMOVE DUST. THE MIN. HOLE DEPTH MUST EXCEED THE ANCHOR EMBEDMENT. PRIOR TO TORQUING BY ONE HOLE DIAMETER, DRIVE THE ANCHOR INTO THE HOLE USING A HAMMER. A MIN. OF SIX THREADS MUST BE BELOW THE SURFACE OF THE FIXTURE. TIGHTEN THE NUT TO THE RECOMMENDED INSTALLATION TORQUE (1/2" = 40 lbs. ft.).
  - ADHESIVE ANCHORS IN CONCRETE - HIT HY-200" BY HILTI OR EQUAL.
  - ADHESIVE ANCHORS IN GROUT FILLED BLOCK - HIT HY-20" BY HILTI OR EQUAL.
  - ADHESIVE ANCHORS IN HOLLOW BLOCK - HIT HY-20" WITH SCREEN TUBES BY HILTI OR EQUAL.
  - CONCRETE/MASONRY SCREWS - KWIK-HUS E2 BY HILTI OR EQUAL.
  - POWDER-ACTUATED FASTENERS (PAF) - "DX" BY HILTI OR EQUAL.
- ALL FASTENERS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.

### COLD FORM STEEL: LGSJ SECTIONS OR EQUAL

- COLD FORM STEEL SECTIONS SHALL CONFORM TO APPLICABLE PROVISIONS OF ASTM A572, ASTM A607 AND/OR ASTM A611.
- MIN. DELIVERED THICKNESS OF COLD FORMED STEEL: C'S & Z'S GAGE

GAGE	DESIGN THICKNESS	FINISH
12	0.105	RED-OXIDE U.N.O ON PLANS
14	0.07	RED-OXIDE U.N.O ON PLANS
16	0.059	RED-OXIDE U.N.O ON PLANS
18	0.0468	GALVANIZED
20	0.0352	GALVANIZED

3 MIN. DELIVERED THICKNESS OF COLD FORMED STEEL

GAGE	DESIGN THICKNESS	FINISH
14	0.07	TEX-COTE FINISH APPLIED IN FIELD
16	0.059	TEX-COTE FINISH APPLIED IN FIELD
18	0.055	PRE-FINISHED
18	0.0468	TEX-COTE FINISH APPLIED IN FIELD

- LOAD BEARING STUD TO TRACK CONNECTIONS: THE ENDS OF THE LOAD BEARING STUDS MUST BE INSTALLED INTO THE TOP AND BOTTOM TRACKS SO THAT THE GAP BETWEEN THE ENDS OF THE STUD AND THE WEB OF THE TRACK IS AS SMALL AS PRACTICABLE AND IN NO CASE GREATER THAN 3/16" AT THE TIME OF INSTALLATION. THE GAP MUST BE LESS THAN 1/16" AFTER THE DEAD LOAD OF THE STRUCTURE IS IN PLACE.
- ALL COLD FORMED STEEL SHALL BE 50 KSI MIN.

### HOT ROLLED STEEL

- DESIGN OF STRUCTURAL STEEL ELEMENTS WAS COMPLETED UNDER THE REQUIREMENTS SET FORTH IN THE "MANUAL OF STEEL CONSTRUCTION - ALLOWABLE STRESS DESIGN (LATEST EDITION)".
- MATERIAL SPECIFICATIONS
  - ALL STEEL SHALL BE DOMESTICALLY PRODUCED
  - ASTM A36 - ROLLED SHAPES, PLATES AND BARS
  - ASTM A992 - WIDE FLANGE SECTIONS
  - ASTM A53, TYPE E, GRADE B - PIPE
  - ASTM A50 - GRADE B - TUBES
  - ASTM F1554 (A36) - ANCHOR BOLTS, RODS, NUTS & WASHERS
  - ASTM A108 GRADE 1015 THROUGH 1020, COLD FINISHED CARBON STEEL, AWS D1.1, TYPE B - HEADED STUDS
  - ASTM A325, TYPE N - BOLTED STRUCTURAL CONNECTION
  - ASTM A307 - FOR BOLTED CONN. OF LESS THAN 5/8" DIA
  - ERAX ELECTRODE (LOW HYDROGEN) - WELDED CONN. (U.N.O)
  - WELDED CONN. SHALL BE MADE WITH A MIN. OF 3/4" DIA BOLTS (U.N.O)
  - WELDED CONN. SHALL BE A MIN. OF 3/16" FILLET WELD ALL AROUND FOR CONN. MEMBERS OF UP TO 1/4" FILLET WELD FOR ALL OTHER MEMBERS THICKNESS (U.N.O)
- ALL BOLTED CONNECTIONS SHALL BE "SNUG-TIGHT" AS DEFINED IN THE "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" BY RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (ROSC) (U.N.O)
- BOLTED CONNECTIONS, INDICATED TO BE "SLIP CRITICAL" (SC) SHALL BE INSTALLED, TIGHTENED, TESTED AND INSPECTED AS OUTLINED IN THE "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" BY RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (ROSC) (U.N.O)
- BRACE AND MAINTAIN ALL STEEL IN ALIGNMENT UNTIL OTHER PARTS OF CONSTRUCTION NECESSARY FOR PERMANENT SUPPORT ARE COMPLETED. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TEMPORARY SHORING AS REQUIRED FOR THE STABILITY OF THE STEEL FRAME UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN COMPLETED AND BUILDING IS ENCLOSED.
- ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY.
- GROUT FOR COLUMN BASE PLATES AND PRESET BEARING PLATES SHALL BE NON-SHRINK, NON-METALLIC GROUT (5000 PSI MIN.)
- ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF ASTM A653.
- STRUCTURAL STEEL SHALL RECEIVE SHOP COAT OF PRIMER (COLOR AS DIRECTED BY ARCHITECT) EXCEPT AREAS THAT WILL RECEIVE SPRAY-ON FIRE PROTECTION.
- BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS SHALL BE DESIGNED BY THE STEEL FABRICATORS FOR THE REACTIONS SHOWN ON THE DRAWING PLANS. SIGNED AND SEALED SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW, WHICH CLEARLY INDICATE THE ALLOWABLE LOAD CAPACITY OF EACH UNIQUE CONNECTION. WHERE REACTION IS NOT INDICATED ON THE PLANS, THE CONNECTION SHALL BE DESIGNED FOR THE MAXIMUM SHEAR CAPACITY OF THE BEAM, FOR THE GIVEN SPAN.

### STEEL DECKING

- THE REQUIREMENTS OF THE LATEST ADOPTED EDITION OF THE AISI SECTION A3, SHALL GOVERN FABRICATION OF THE SPECIFIED STEEL DECK.
- THE MINIMUM YIELD STRENGTH OF THE STEEL USED SHALL BE 33KSI (230MPa).
- ALL FIELD WELDING OF DECK SHALL BE IN STRICT CONFORMANCE WITH ANSI 1 AWS D1.3 STRUCTURAL WELDING CODE.
- GALVANIZING SHALL CONFORM TO ASTM-A653-94 STRUCTURAL QUALITY, AND FEDERAL SPEC QQ-S-775.
- THE VALUES LISTED IN THE TABLE SHOWN BELOW IS FROM THE VULCRRAFT METAL DECK PRODUCT MANUAL AND REPRESENTS THE MINIMUM ROOF DECK SECTION PROPERTIES THAT ARE REQUIRED BY DESIGN.

### ROOF DECK

DECK TYPE	DESIGN THICK	l In 4FT	S <sub>p</sub> In 3FT	S <sub>n</sub> In 3FT
B22	0.0295	0.169	0.186	0.192
B20	0.0358	0.212	0.234	0.247
B18	0.0474	0.292	0.318	0.327

- COMPOSITE STEEL FLOOR DECK SHALL BE ATTACHED TO THE SUPPORTING STRUCTURE AS RECOMMENDED BY THE MANUFACTURER, WITH MAX. SPACING NOT TO EXCEED 24" O.C.
- THE VALUE LISTED IN THE TABLE SHOWN BELOW IS FROM THE VULCRRAFT METAL DECK PRODUCT MANUAL AND REPRESENTS THE MINIMUM COMPOSITE FLOOR DECK SECTION PROPERTIES THAT ARE REQUIRED BY DESIGN.

### COMPOSITE DECK FLOOR

DECK TYPE	DESIGN THICK	l <sub>p</sub> / l <sub>n</sub> In 4FT	S <sub>p</sub>	l <sub>n</sub> 3FT
1.5V.22	0.0295	0.15 / 0.182	0.178 / 0.186	
1.5V.20	0.0358	0.195 / 0.222	0.231 / 0.24	
1.5V.18	0.0474	0.282 / 0.295	0.315 / 0.327	
2.0V.22	0.0295	0.322 / 0.329	0.274 / 0.277	
2.0V.20	0.0358	0.418 / 0.415	0.355 / 0.36	
2.0V.18	0.0474	0.577 / 0.2557	0.513 / 0.518	
3.0V.22	0.0295	0.746 / 0.745	0.429 / 0.422	
3.0V.20	0.0358	0.938 / 0.937	0.553 / 0.572	
3.0V.18	0.0474	1.251 / 1.251	0.795 / 0.803	

- NON-COMPOSITE STEEL FLOOR DECK SHALL BE ATTACHED TO THE SUPPORTING STRUCTURE AS RECOMMENDED BY THE MANUFACTURER WITH MAX. SPACING NOT TO EXCEED 24" O.C.
- STEEL USED TO MANUFACTURE THE NON-COMPOSITE METAL FLOOR DECKING SHALL CONFORM TO THE REQUIREMENTS OF ASTM-A611 GRADES C, D, OR E (NONOR A653-94 STRUCTURAL QUALITY).
- THE VALUES LISTED IN THE TABLE SHOWN BELOW IS FROM THE VULCRRAFT METAL DECK PRODUCT MANUAL AND REPRESENTS THE MINIMUM NON-COMPOSITE FLOOR DECK SECTION PROPERTIES THAT ARE REQUIRED BY DESIGN.

### NON-COMPOSITE FLOOR DECK

DECK TYPE	DESIGN THICK	l In 4FT	S <sub>p</sub> / S <sub>n</sub> In 3FT
0.6C26	0.0179	0.015 / 0.015	0.043 / 0.043
0.6C24	0.0239	0.019 / 0.019	0.057 / 0.057
0.6C22	0.0298	0.024 / 0.024	0.07 / 0.07

### MINIMUM STANDARDS FOR ELEVATED FLOORS

- ALL CONCRETE SHALL HAVE THE FOLLOWING MIN. PROPERTIES:

LOCATION	28 DAY STRENGTH	SLUMP	MAX. AGGR.
ELEVATED SLABS FORMED AND Poured	4,000 psi	4" ± 1"	1"
ELEVATED SLABS FORMED W / MTL DECK	3,000 psi	4" ± 1"	1"

- SLUMP FOR RAMP AND SLOPING SURFACES SHALL NOT EXCEED 4"
- SEE MASONRY GENERAL NOTED FOR GROUT TESTING REQUIREMENTS
- COLD JOINTS (NOT RECOMMENDED) & CONTROL JOINTS SHOULD BE PLACED A MINIMUM OF 2'-0" OFF CENTERLINE OF COLUMNS
- CONCRETE PROPERTIES SHALL BE VERIFIED THROUGH INDUSTRY STANDARD TESTING PROCEDURES BY A CERTIFIED TESTING AGENCY. MIN TEST REQUIRED SHALL INCLUDE SLUMP AND CYLINDER BREAKS FOR COMPRESSIVE STRENGTH. FINDINGS SHALL BE SUBMITTED TO THE ARCH. ENGR. FOR REVIEW.
- CONCRETE WORK SHALL CONFORM TO LATEST EDITIONS OF ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED AND ACI 315 DETAILS AND DETAILING OF CONCRETE REINFORCEMENT.
- CONCRETE MIX DESIGN SHALL MEET THE FOLLOWING CRITERIA:
  - PROPOSED MIX DESIGN SHALL BE ACCORDANCE WITH ACI 301 METHOD 1
  - ENTRAPPED AIR CONTENT SHALL NOT EXCEED 3%
  - ADMIXTURES USED TO ENTRAIN AIR ARE NOT ACCEPTABLE
  - ALL CONCRETE TO BE NORMAL WEIGHT WITH A DESIGN STRENGTH AT 28 DAYS
  - SITE ADDED WATER IS NOT ACCEPTABLE. ADDING WATER TO THE MIX WILL RESULT IN REDUCTION OF THE RESULTS BY THE ENGINEER OF RECORD.
- CONTRACTOR IS RESPONSIBLE FOR THE ADEQUACY OF THE FORMS AND SHORING AND FOR SAFE PRACTICE IN THEIR USE AND REMOVAL.
- PLACING OF CONCRETE IN ALL REINFORCED COLUMNS AND WALLS SHALL BE IN LIFTS NOT EXCEEDING 7 1/2 FEET IN HEIGHT. CONCRETE SHALL BE PLACED THROUGH ELEPHANT TRUNK TUBULAR SHUTES LOCATED SUCH THAT THE FREE AIR DROP OF THE MIX DOES NOT EXCEED 6 FEET. ALTERNATE PLACEMENT METHOD OF CONCRETE WITH OR WITHOUT ADMIXTURES SHALL NOT BE USED UNLESS APPROVED BY ENGINEER OF RECORD.
- THE VALUES IN THE TABLE SHOWN BELOW IS FROM THE VULCRRAFT METAL DECK PRODUCT MANUAL AND REPRESENTS THE RECOMMENDED WELDED WIRE FABRIC

DECK TYPE	TOTAL SLAB DEPTH	RECOMMENDED WELDED WIRE FABRIC
1.5V. VLI OR R	≤ 4"	6x6 - W1 4 x W1 4
1.5V. VLI OR R	> 4"	6x6 - W2 1 x W2 1
2VLJ	≤ 5"	6x6 - W1 4 x W1 4
2VLJ	> 5"	6x6 - W2 1 x W2 1
3VLJ	≤ 6"	6x6 - W1 4 x W1 4
3VLJ	> 6"	6x6 - W2 1 x W2 1

FIBER REINFORCED CONCRETE IS AN ALTERNATE TO WELDED WIRE FABRIC (WWF). REINFORCED CONCRETE FIBERS SHALL BE 100% VIRGIN POLYPROPYLENE, FIBRILLATED FIBERS AS MANUFACTURED BY FIBER MESH CO. OR APPROVED EQUAL, APPLIED AT A RATE OF 4 LB/SY. ELEVATED FLOOR DECKS ARE DESIGNED FOR A 20 PSF CONSTRUCTION LIVE LOAD. RIDE ON TROWEL MACHINES SHOULD NOT BE USED UNLESS THE DECK IS SHORED.

### CONCRETE WORK

- MONOLITHIC SLAB FINISHES: THE FOLLOWING REQUIREMENTS ARE BASED ON THE LATEST FLOOR FINISHES (FF) FLOOR LEVELNESS (FL) VALUES. METHODS BIDS FOR THIS WORK SHALL REFLECT THESE REQUIREMENTS AND ENFORCEMENT. THEREOF CAN BE EXPECTED.
  - NON-CRITICAL FLOOR TOLERANCE
  - SPECIFIED OVERALL VALUE: FF25/FL20
  - MINIMUM LOCAL VALUE: FF25/FL20
  - APPLY FLOOR FINISH TO MONOLITHIC SLAB SURFACES THAT ARE TO RECEIVE MUD SET TILE AND OTHER THICK FINISHES, AND TO SLAB SURFACES WHICH ARE TO BE COVERED WITH WATERPROOFING MEMBRANE.
- TYPICAL CORRIDOR OR NORMAL SIZED ROOMS (100-600 SF)
  - TROWEL FINISH 1 (TR-FN1)
  - SPECIFIED OVERALL VALUE: FF30/FL23
  - MINIMUM LOCAL VALUE: FF25/FL20
  - APPLY TROWEL FINISH TO MONOLITHIC SLAB SURFACES THAT ARE TO RECEIVE RESILIENT FLOORING, CARPET, PAINT, OR OTHER THIN FILM FINISH COATING SYSTEM. ELEVATED SLABS SHALL HAVE A SPECIFIED OVERALL VALUE OF FF22 TO FF27 AND A MINIMUM LOCAL OF FF20 WITH NO FL NUMBER DEFINED.
- MINIMUM THICKNESS OF SLAB ON GRADE IS THE GREATER OF 3" OR 8 TIMES ANCHOR EMBEDMENT. SPECIFIED IN CONSTRUCTION DOCUMENTS (ASSUMES USE OF HILTI KWIK BOLT T2).
- CONTROL JOINT AND CONTROL JOINTS SHOULD BE PLACED A MIN. 2' - 0" OFF THE CENTERLINE OF COLUMNS IF THE DISTANCE BETWEEN COLUMNS IS LESS THAN 4' - 0" OR GREATER THAN 2' - 6" THEN PLACE AT MID-POINT. OTHERWISE CONTACT ENGR. OF RECORD.

### SITE REQUIREMENT NOTES

- OWNER / CONTRACTOR SHALL ENSURE THAT SITE IS STABILIZED AND MAINTAINED DURING HEAVY PRECIPITATION.
- OWNER / CONTRACTOR SHALL PROVIDE MATERIAL STORAGE AREA ON SITE OTHER THAN BUILDING BEING ERECTED.
- OWNER / CONTRACTOR SHALL PROVIDE A CONSTRUCTION DUMPSTER UNIT ON THE JOBSITE AT NO COST TO SELLER/SUBCONTRACTOR.
- OWNER / CONTRACTOR SHALL PROVIDE TEMPORARY POWER TO ALLOW FOR A MAXIMUM POWER LEAD RUN OF 200 FEET TO EACH STRUCTURE BEING ERECTED.
- TEMPORARY POWER MUST MEET ALL APPLICABLE CODES AND SAFETY REQUIREMENTS.
- OWNER / CONTRACTOR MUST ENSURE THAT BUILDING PADS ARE BROOM CLEAN AND FREE OF DEBRIS PRIOR TO SELLER/SUBCONTRACTOR CREW BEGINNING INSTALLATION. SEQUENCE AS AGREED.
- OWNER / CONTRACTOR SHALL ENSURE THAT THE SITE AND ALL SIDES OF BUILDING ARE ACCESSIBLE WITH EQUIPMENT, AND FREE FROM ANY OBSTRUCTIONS TO DELIVERY OR ERECTION.
- CLEANING OF MATERIALS, INCLUDING BUT NOT LIMITED TO, WALL PANELS AND STRUCTURAL MATERIALS, IS NOT RESPONSIBILITY OF SELLER/SUBCONTRACTOR.
- THE OWNER / CONTRACTOR SHALL PROPERLY PROTECT THE WORK FOR PUBLIC SAFETY AND AGAINST ACCIDENTS, WEATHER OR ANY OTHER HAZARDS WITH LIGHTS, GUARDRAILS OR BARRICADES AS APPLICABLE (INCLUDES FALL PROTECTION ON MULTI-STORY BUILDINGS).

Concrete Sub and General Contractor responsibility for the below

- WALK BEHIND CONCRETE FINISHING MACHINES SHOULD KEEP A MINIMUM SEPARATION OF 20 FEET. WALL BEHIND MACHINES SHALL NOT EXCEED 300 LBS IN WEIGHT.
- RIDE ON FINISHING MACHINES ARE NOT ALLOWED.
- ALL MACHINES LOADED ON TO DECK TO BE PLACED ABOVE BEARING WALLS AND NOT IN THE DECK MIDSPAN.
- CONCRETE PUMP HOSES SHALL PUMP NO MORE THAN 2' ABOVE METAL DECK WHILE POURING.
- CONCRETE SHALL BE SPREAD ON THE DECK IMMEDIATELY AS IT IS PUMPED TO ENSURE THERE IS NO PILE UP OF THE CONCRETE THAT WILL OVERLOAD THE DECK.
- CONTRACTOR AND TESTING COMPANY ARE RESPONSIBLE TO MONITOR EACH TRUCK TO ENSURE WATER IS NOT ADDED TO THE MIX. CONCRETE CYLINDER SAMPLES SHALL BE TAKEN OF THE MIX ENTERING THE CONCRETE PUMP TO ENSURE WATER WAS NOT ADDED. CONCRETE CYLINDER TEST BREAK REPORTS SHALL BE PROVIDED TO THE ENGINEER TO VERIFY THE MIX INSTALLED MEETS THE COMPRESSIVE STRENGTH REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE TO ENSURE THE CONCRETE IS CURED PROPERLY BASED ON THE WEATHER CONDITIONS. THE SLAB MUST CURE FOR A MINIMUM OF 3 DAYS PRIOR TO ANY WORK BEING COMPLETED ON THE NEW DECK. CONTRACTOR SHALL OBTAIN A 3 DAY CONCRETE SAMPLE BREAK TO ENSURE THE DECK HAS REACHED 70% COMPRESSIVE STRENGTH TO PROCEED.
- SUBMITTAL OF CONCRETE MIX AND REINFORCING OPTION IS REQUIRED. COMPLETE SUBMITTALS MUST BE SUBMITTED AND LABELED FOR EACH LOCATION (E SLAB ON GRADE, SLAB ON DECK). IT MUST BE CLEARLY INDICATED WHICH SUBMITTALS ARE FOR EACH LOCATION IF THEY ARE SUBMITTED AS ONE PACKAGE.

### CMU:

CMU IS BY OTHERS & ANY CMU BOND BEAM MUST BE FILLED WITH CONCRETE. MORTAR IS NOT ACCEPTABLE. IF BOND BEAM IS NOT PRESENT OR IS IMPROPERLY CONSTRUCTED THE METAL BUILDING COMPANY WILL NOT BE RESPONSIBLE FOR COSTS INCURRED BY USING ANOTHER ANCHOR SYSTEM OTHER THAN WHAT IS SPECIFIED ON DETAILS. CONTRACTOR IS ALSO RESPONSIBLE FOR VERIFYING ALL MASONRY WALL HEIGHTS. THE METAL BUILDING COMPANY WILL NOT BE RESPONSIBLE FOR COST INCURRED DUE TO INCORRECT MASONRY WALL HEIGHTS. BEFORE CONSTRUCTION, CONTRACTOR NEEDS TO VERIFY DIMENSIONS WITH RAPID BUILDING SOLUTIONS.

### PARAPET CAPPING:

RAPID BUILDING SOLUTIONS IS NOT RESPONSIBLE FOR TEMPORARILY DRYING PARAPET WALLS. THIS IS THE SOLE RESPONSIBILITY OF THE OWNER/SC. ONCE THE EXTERIOR OF THE BUILDING IS 100% COMPLETE, RAPID BUILDING SOLUTIONS WILL FIELD MEASURE AND CUSTOM ORDER THE PARAPET CAPPING.

### OFFICE:

ALL BUILDOUTS, BATHROOMS, MECHANICAL ROOMS, & ELECTRICAL ROOM FRAMING ARE NOT INCLUDED.

### INSULATION:

WALL INSULATION IS PROVIDED BUT NOT INSTALLED AT PERIMETER AT BRICK, EPIS, & DENIS GLASS LOCATIONS.

### BRICK VENEER

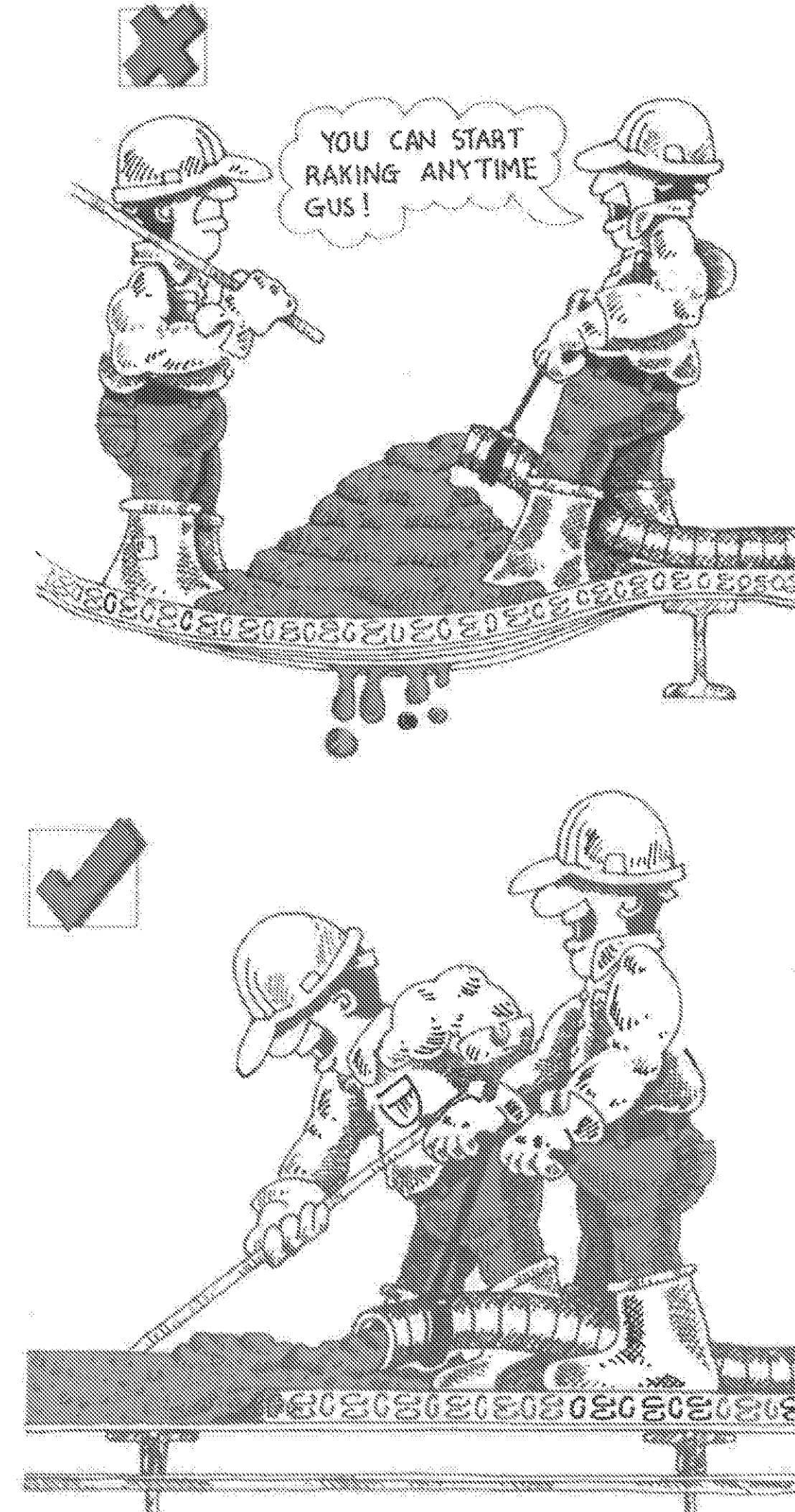
BRICK VENEER & LINTELS ARE ALL BY OTHERS. RAPID BUILDING SOLUTIONS IS NOT RESPONSIBLE FOR SUPPLYING MATERIALS.

### STRUCTURAL STEEL EMBED PLATES

STRUCTURAL EMBED PLATES ARE TO BE SUPPLIED & INSTALLED BY GENERAL CONTRACTOR.

### ELEVATORS

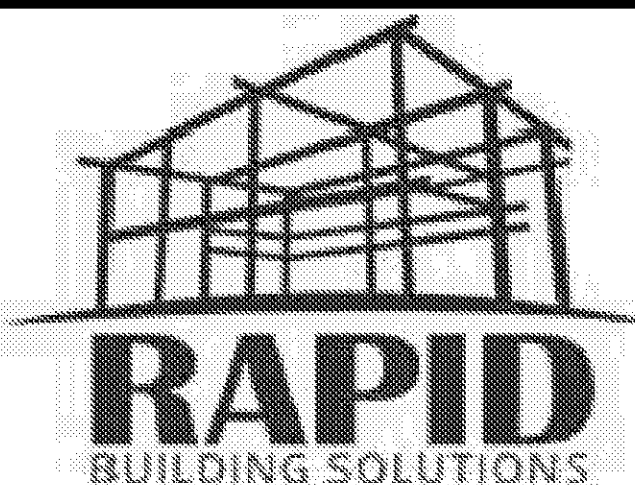
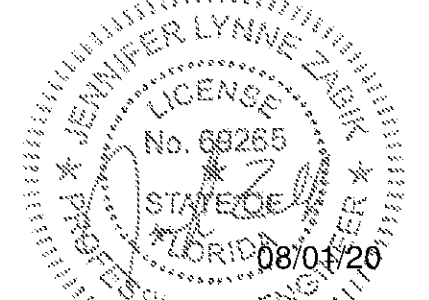
ALL ELEVATOR DIMENSIONS & HEIGHTS NEED TO BE CHECKED WITH ELEVATOR MANUFACTURER BEFORE STARTING ANY FOUNDATION OR MASONRY WORK. RAPID BUILDING SOLUTIONS IS NOT RESPONSIBLE FOR COST INCURRED DUE TO INCORRECT SIZE & HEIGHTS.



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0	07-22-20	Review Set	RG
1	07-29-20	Review Set	RG
2	07-30-20	Review Set	RG
3	08-01-20	Review Set	RG

ISSUE DATE: June 09, 2020

DESIGNED BY: RBS DRAWN BY: RBS-JL

CHECKED BY: RBS SUBMITTED BY: JZ

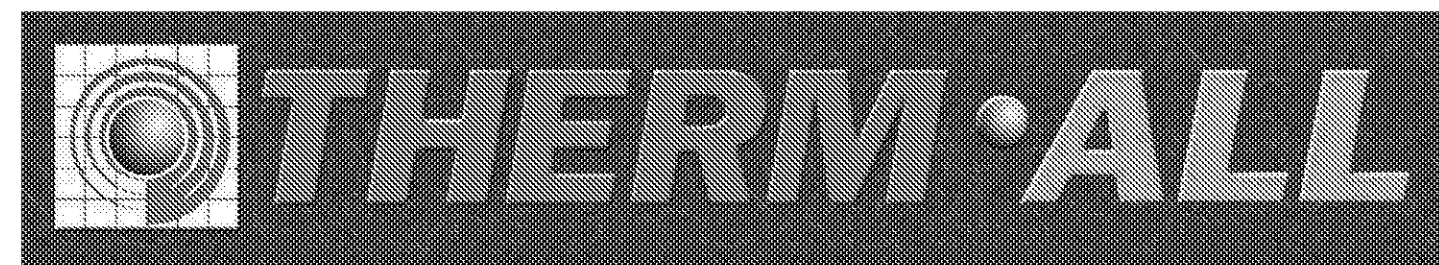
APPROVED FOR PRODUCTION

INITIALS OF GC/OWNER

**RBS-0.1**

# SAG AND BAG

## INSULATION SYSTEM



### Sag and Bag Instructions

"Sag and Bag" is a double-layer insulation system that is used to comply with the newer energy codes and is designated in ASHRAE Table A2.3 as "Double Layer".

As illustrated in the previous pages, the Sag and Bag System consists of one layer of faced fiberglass insulation draped across, and allowed to sag between, the purlins in a metal building roof, followed above by a second layer of unfaced fiberglass insulation that is field cut in to pieces that fit between the purlins so as to avoid having two layers of insulation between the purlins and the roof panels, which situation would cause problems with the roof.

The roof insulation roll lengths for the first, faced, layer of fiberglass are derived by starting with the length of the slope, in feet, taking roof pitch in to consideration, and adding 6" for each purlin space, plus another two feet for "pull", one foot at each end of the roof roll. Remember that you also need to take in to consideration that the insulation rolls on the first side of the roof you will install need to be 2' to 3' longer than the rolls for the second side of the roof because when you do the first side of a roof the insulation needs to reach across to the first, topmost, purlin on the other side of the roof. The width of the first layer (faced) insulation rolls is up to the discretion of the builder.

Take note that both ASHRAE and NAIMA tables dictate that the bottom layer of the Sag and Bag System will be the thinner of the two layers, when there is a difference.

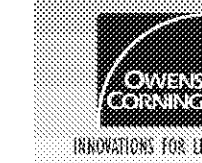
The unfaced fiberglass for the second layer can be 4', 5' or 6' wide, depending on your erector's preference, and must be field cut to fit between the purlins.

When installing the first layer of fiberglass (faced) across the purlins, the rolls should be rolled out as normally done, with the exception that they should not be pulled tight from end to end. Rather, the roll should be installed loosely so that it sags down between the purlins, leaving space for the unfaced second layer. Care must be taken to create as equal as possible the sag between all the purlin spaces. This can be done by having a number of roofing crew members lift and shake out the insulation after it is unrolled. Pulling the bottom layer of insulation tight defeats the purpose of Sag and Bag, by reducing the space in to which the insulation can expand to achieve its maximum effectiveness. Subsequent rolls of insulation should be installed such that they sag to the same depth as prior rolls to better seal the seams between adjacent rolls and to attain a relatively uniform appearance from the bottom side.

Although many contractors are now using one 6" tab to create the seams between adjacent rolls of insulation, Therm-All recommends against that practice when installing using the Sag and Bag system. Since adjacent rolls need to conform to the rolls next to them, and because this is an imprecise practice, using one 6" tab would not seal the adjacent rolls sufficiently to prevent moisture migration through the seams. Therefore, Therm-All highly recommends that you use two 3" tabs on each roll of insulation and fold and staple the seams as recommended by the National Insulation Association on their website insulation.org in the section entitled *Condensation Fact Sheet for Metal Buildings*.

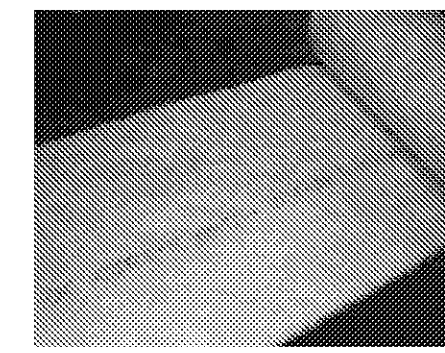
Since the second layer of insulation, which is unfaced, cannot go over the top of the purlins (which already have one layer of insulation over them because of the faced bottom layer), it must be field-cut to fit between the purlins.

Code requires that thermal blocks be used over the purlins with the Sag and Bag system.



## EcoTouch® Insulation with PureFiber® Technology for Certified R Metal Building

### Product Data Sheet



- R-10, 3.4"
- R-11, 3.7"
- R-13, 4.3"
- R-16, 5.3"
- R-19, 6.3"
- R-25, 8.0"
- R-30, 9.25"

### Description

Owens Corning EcoTouch® Insulation with PureFiber® Technology for Certified R Metal Building is a light density fibrous glass blanket designed to be laminated with a variety of appropriate facings. Certified R is available in standard R-values of 10, 11, 13, 16, 19, 25 and 30. Standard roll widths are 36', 48', 60' and 72'. Selected Made-to-Order widths are also available.

### Key Features

- EcoTouch® insulation is the only fiberglass insulation product listed in the USDA BioPreferred® Catalog.
- Formaldehyde-free<sup>1</sup>.
- Made with 99% natural<sup>2</sup> materials—not acrylic.
- Made in the U.S.A.<sup>3</sup>

<sup>1</sup> Meets requirements of the Buy American Act.  
<sup>2</sup> Applies to the insulation component only.  
<sup>3</sup> Unfaced insulation made with a minimum of 99% by weight natural materials consisting of mineral and plant-based components.

### Typical Physical Properties

Property	Test Method	Result
Thermal Resistance	ASTM C177/C518	See "Designation"
Surface Burning	UL 723/ASTM E84	Flame spread index < 25 Smoke developed index < 50
Combustion Characteristics	ASTM E136	Non-combustible
Water Vapor Sorption	ASTM C1314	< 0.25 by volume
Fungus Resistance	ASTM C1338	Passive - no growth exhibited
Corrosiveness	ASTM G65	Passive
Odor Emission	ASTM C1304	Passive - no odor detected

<sup>1</sup>The surface burning characteristics of these products have been determined in accordance with UL 723. The standard should be used to measure and describe the proper fire of materials, products or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or specify the fire hazard or fire risk of materials, products or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use. Values are reported to the nearest 5 mmg.

- Uses a minimum of 65% recycled content—41% being post-consumer.
- GREENGUARD Children & Schools Certified<sup>SM</sup>.
- Easy to handle.
- Excellent recovery provides outstanding thermal and acoustical performance.

### Product Applications

EcoTouch® Insulation with PureFiber® Technology for Certified R Metal Building is used as part of the insulation system in the roofs and side walls of metal buildings. It is designed to be laminated with a variety of facings to provide attractive interior finishes, abuse resistance, and assistance in control of moisture.

Owens Corning EcoTouch® Insulation with PureFiber® Technology for Certified R Metal Building are fabricated and distributed by a nation wide network of independent laminators assuring prompt service and delivery. Contact your Owens Corning Sales Representative for the names of insulation laminators servicing your area.

### Installation

Several methods are used to insulate metal buildings. The usual method is to apply the insulation over the structural members (purlins and girts) and inside the exterior panels. This method generally accommodates single layer installations. Methods are also available to apply insulation between purlins so as to accommodate greater insulation thicknesses and better thermal performance.

### Technical Information

Owens Corning EcoTouch® Insulation with PureFiber® Technology for Certified R Metal Building is regularly tested to ensure compliance to the NAIMA 202-96 (Rev. 2000) Standard. Sampling and testing is performed by the National Association of Home Builders Research Center (NAHB-RC). The product is labeled on the top surface of each roll with the nominal R-value and the "NAIMA 202-96" (Rev. 2000) to indicate compliance. The NAIMA 202-96 (Rev. 2000) standard specifies thermal

## EcoTouch® Insulation with PureFiber® Technology for Certified R Metal Building

### Product Data Sheet

performance which provides the capability of obtaining nominal thermal resistance (R-values) after laminating. The actual thermal performance obtained from the laminated product will depend primarily on the recovered thickness. Note that these nominal R-values are for the insulation only and do not include the effects of facings, air films, compression of insulation at framing members, conductance through fasteners, or other heat transfer paths particular to an installation.

The recovered thickness achieved will depend on a number of variables determined in the laminating process and hence are outside of Owens Corning's control. To address these issues, a number of leading metal building insulation laminators produce products which meet the National Insulation Association's "Certified Faced Insulation Standard" (NIA 404). Samples of faced products are periodically tested by a nationally recognized laboratory and determined to meet the NIA standard.

### Standards, Codes Compliance

- ASTM C991-08, Flexible Fibrous Glass Insulation for Metal Buildings; Type I.
- NAIMA 202-96 (Rev. 2000) Standard for Flexible Fiber Glass Insulation to be Laminated for Use in Metal Buildings.

### Certifications and Sustainable Features of EcoTouch® Insulation with PureFiber® Technology for Certified R Metal Building

- EcoTouch® insulation is the only fiberglass insulation product listed in the USDA BioPreferred® Catalog.
- Certified by Scientific Certification Systems to contain a minimum of 65% recycled glass content.
- Certified to meet indoor air quality standards under the stringent GREENGUARD Indoor Air Quality Certification Program<sup>SM</sup>, and the GREENGUARD Children & Schools Certification Program<sup>SM</sup>.

### Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation and composite solutions, delivering a broad range of high-quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets and enhancing lives. More information can be found at <http://sustainability.owenscorning.com>.



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 Scientific Certification Systems (SCS) provides independent verification of recycled content in building materials and verifies recycled content claims made by manufacturers. For more information visit [www.scsrecycled.com](http://www.scsrecycled.com).  
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### www.lamtec.com

## LAMTEC CORPORATION

### WMP-VR-R PLUS

#### POLYPROPYLENE / SCRIM / POLYESTER

Meets ASTM C1136, Type II, IV

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
White Film	Polypropylene	0.0015 inch	38.1 micron
Adhesive	Flame Resistant		
Reinforcing	Tri-directional Fiberglass	4 / inch (MD) 4 / inch (XD)	16 / 100 mm (MD) 16 / 100 mm (XD)
Film	Metallized Polyester	0.0005 inch	12.7 micron

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	14 lbs / 1000 ft <sup>2</sup>	68 g / m <sup>2</sup>
Permeance (WVTR)	ASTM E96 Procedure A	0.02 perm (grains/hrft <sup>2</sup> in Hg)	1.15 ng / N's
Bursting Strength	ASTM D774	100 psi	7.0 kg / cm <sup>2</sup>
Tensile Strength	ASTM C1136	35 lbs/inch width (MD) 35 lbs/inch width (XD)	6.1 kN / m (MD) 6.1 kN / m (XD)
Caliper / Thickness	Micrometer	0.007 inch	178 micron
Accelerated Aging	30 Days @ 95% RH, 120°F (49°C)	No Corrosion No Delamination	No Corrosion No Delamination
Low Temperature Resistance	ASTM D1790 -40°F (-40°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	4 hours @ 240°F (116°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
Water Immersion	24 hours @ 73°F (23°C)	No Delamination	No Delamination
Mold Resistance	ASTM C665 / C1338	No Growth	No Growth
Dimensional Stability	ASTM D1204	0.25%	0.25%
Light Reflectance	ASTM C523	85%	85%

FIRE TESTING	ASTM E84 / UL 723		CAN/ULC-S102M		FM APPROVED
	Polypropylene Side	Polyester Side	Polypropylene Side	Polyester Side	
Flame Spread	10	10	10	10	UL CLASSIFIED
Smoke Developed	35	40	50	40	

Physical Properties based upon statistical averages. Weight / Thickness +/- 10%

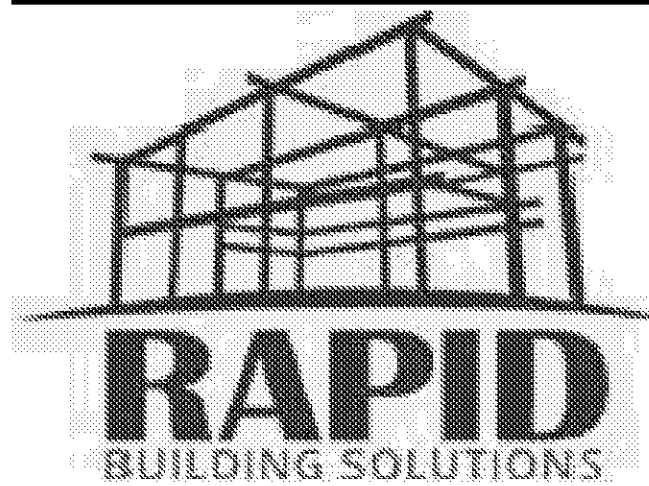
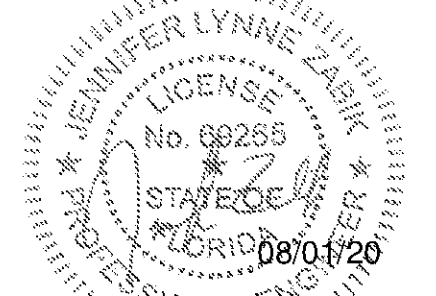
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Bee Safe  
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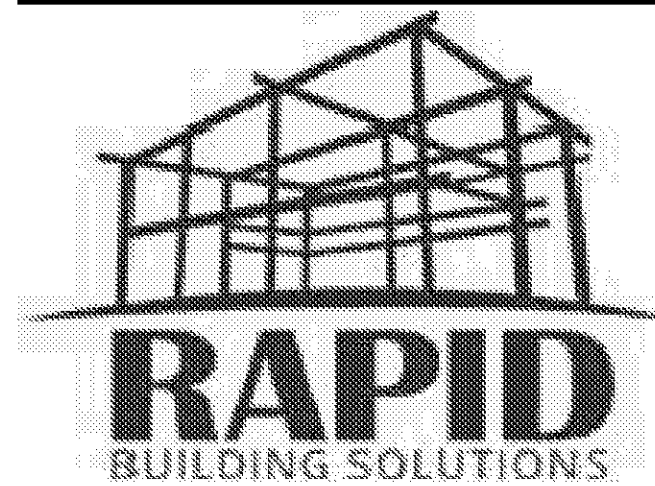
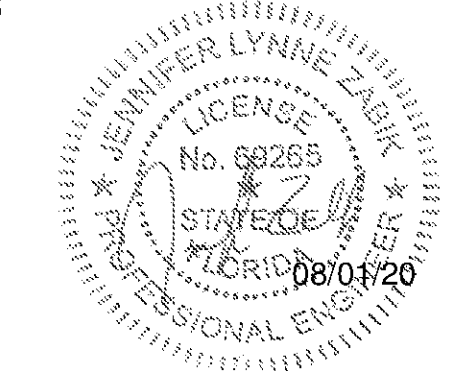
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Stuart, Florida

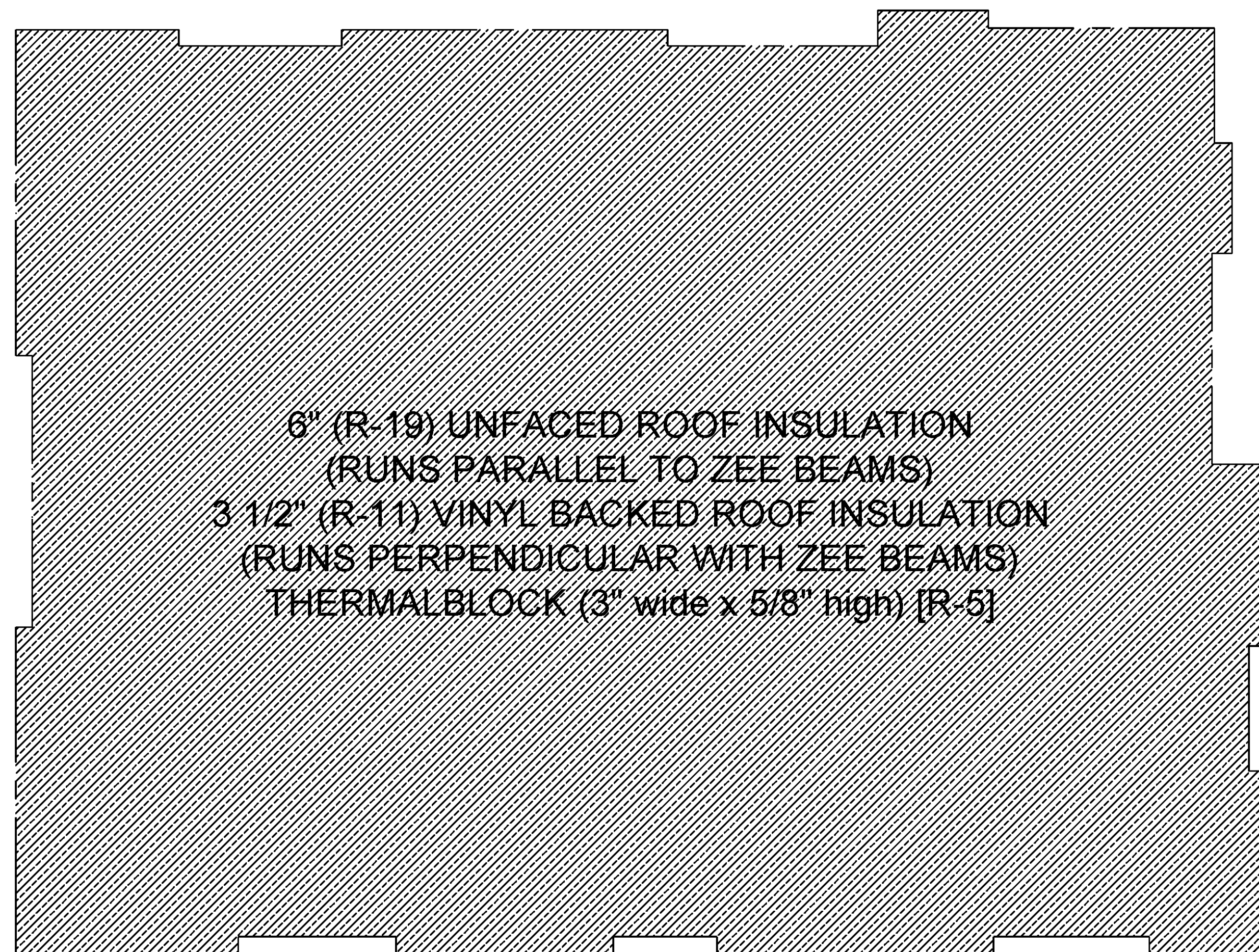
**JOB NUMBER:**  
294-20-STU-FL

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2	06-10-20	Layout Review	JL
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4	06-12-20	Layout Review	RG
5	06-16-20	Layout Review	RG
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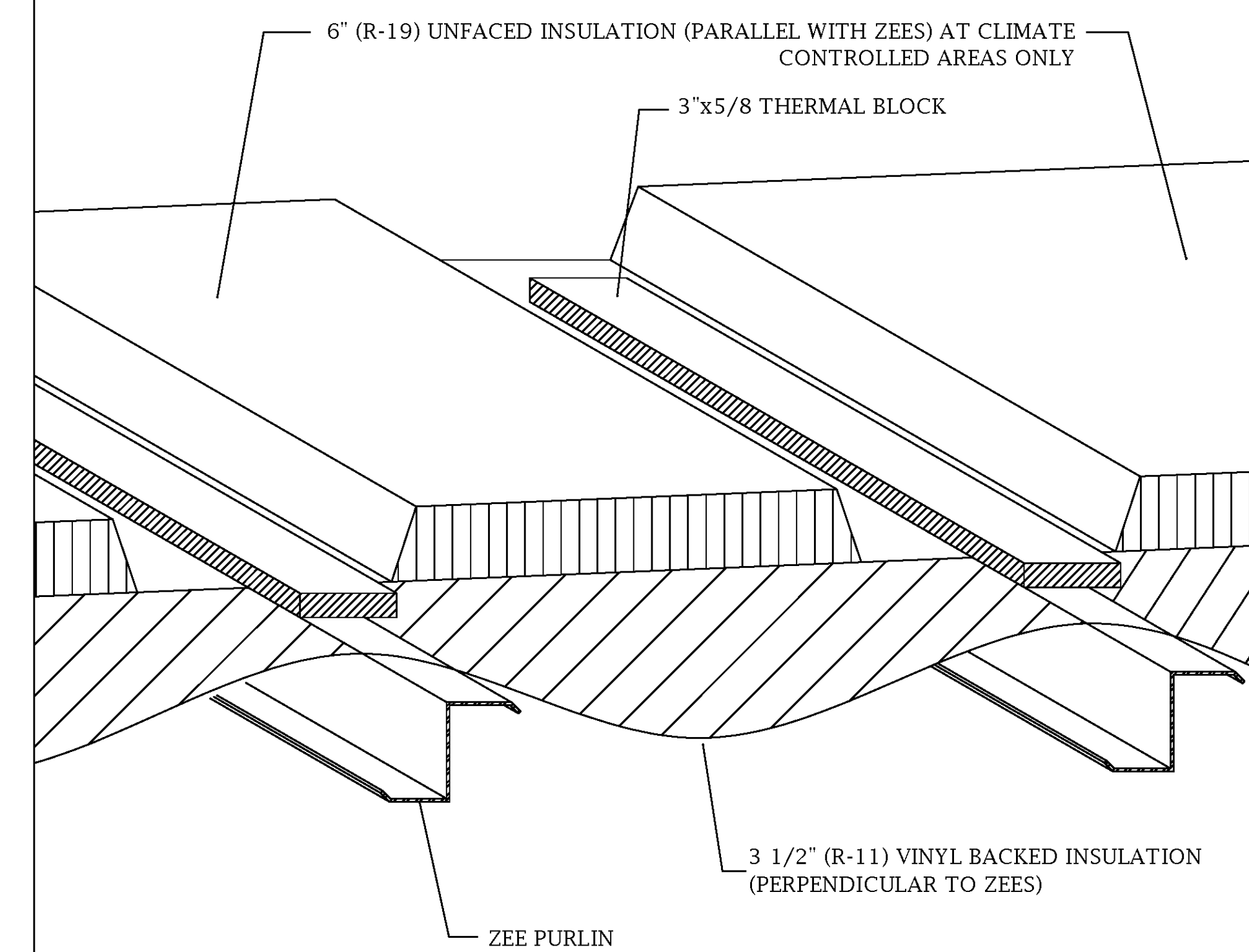
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CHECKED BY: RBS SUBMITTED BY: JZ

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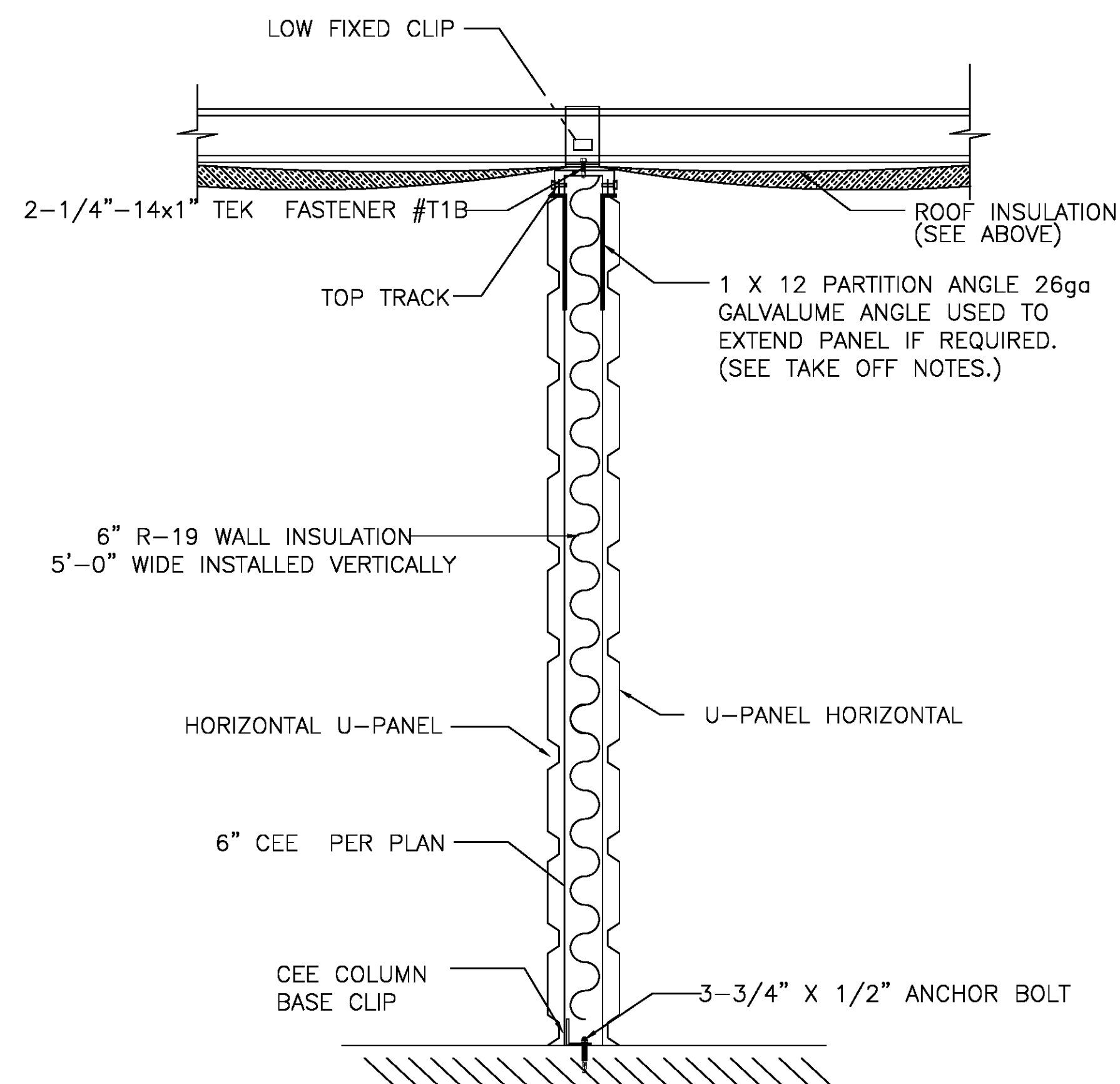
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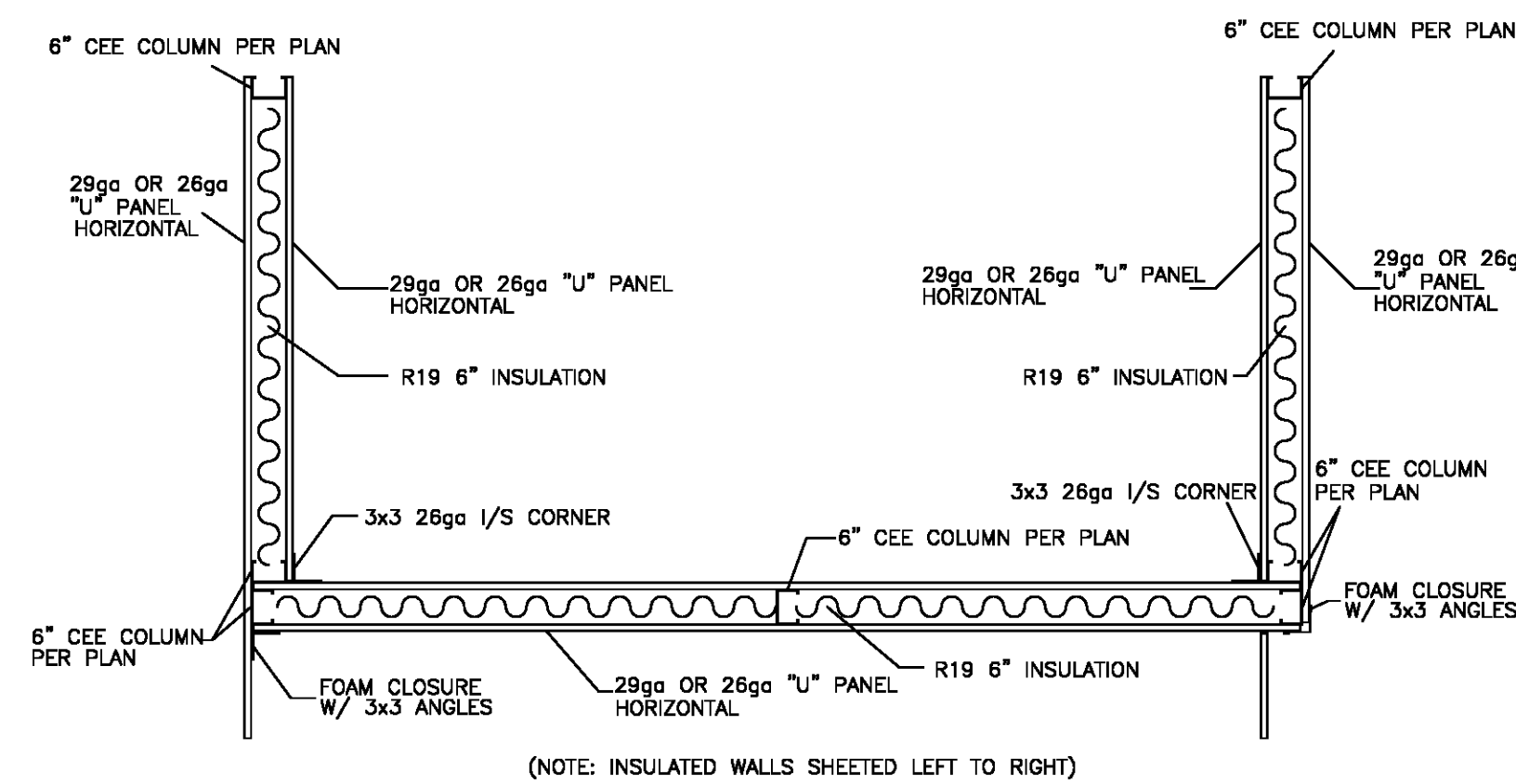
**R-30 ROOF INSULATION SYSTEM**



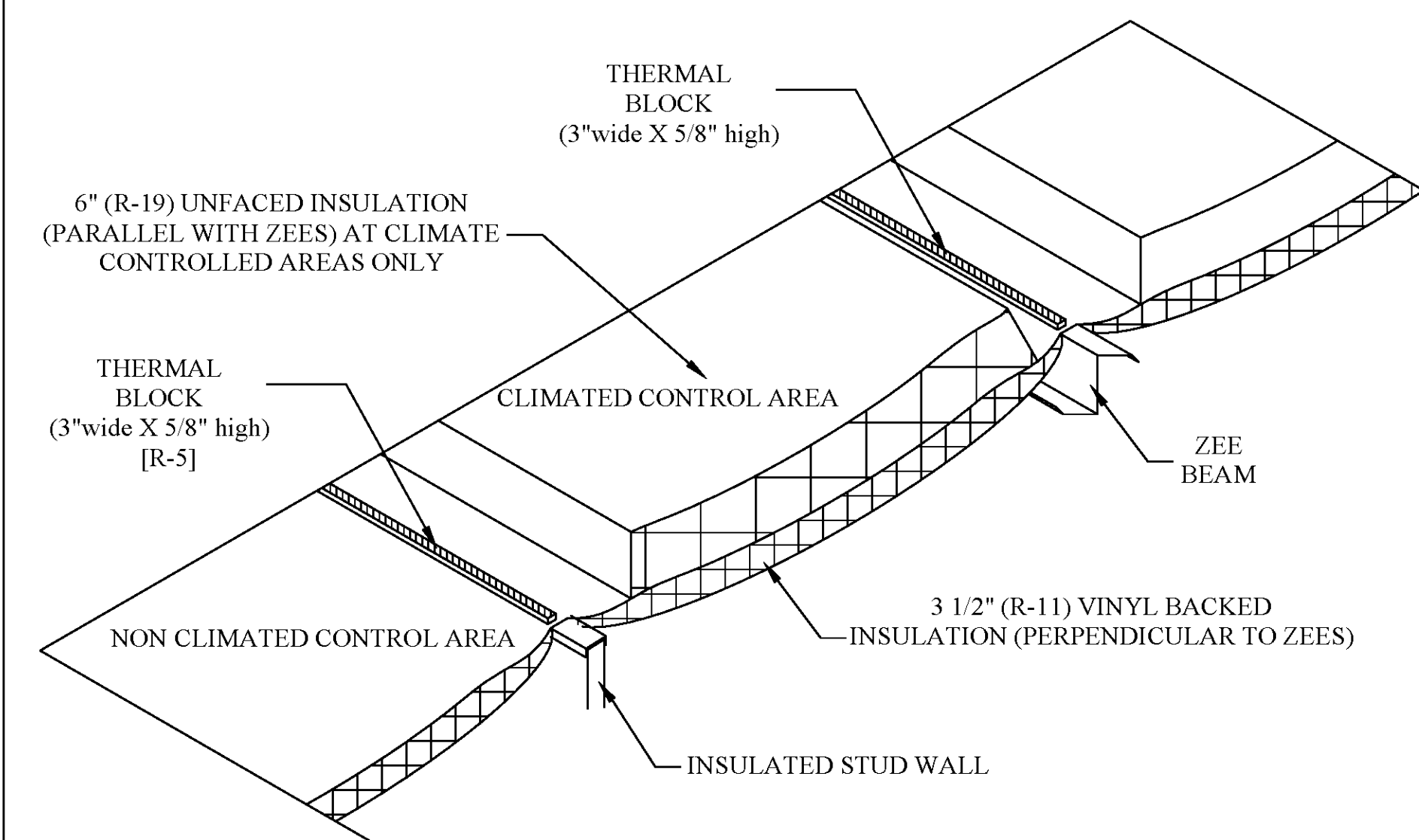
**R-30 ROOF INSULATION SYSTEM**



**R-19 INTERIOR INSULATED WALL  
RUNNING WITH PURLINS**

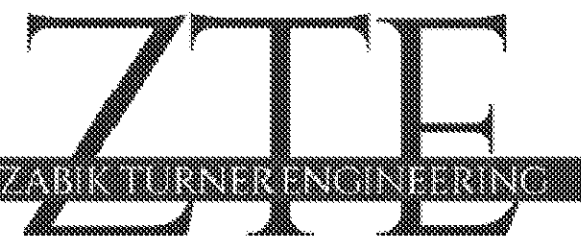


**R-19 EXTERIOR INSULATED WALL FRAMING**



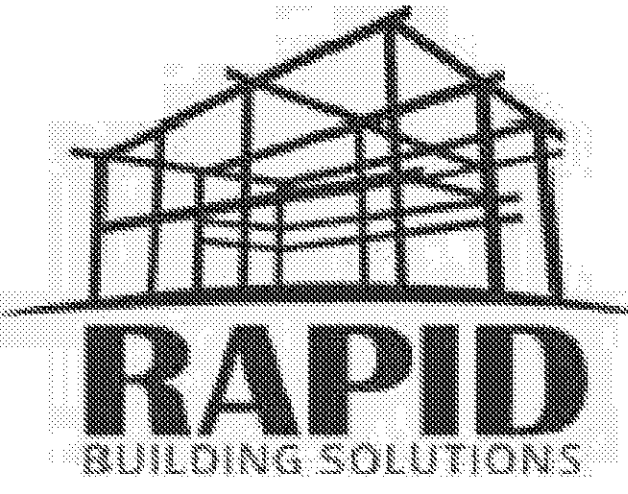
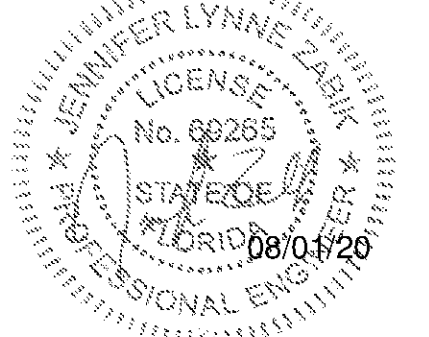
**SECTION - ROOF INSULATION  
FOR CLIMATE CONTROLLED BUILDING**

# Mariner Village Site Plan



Zabik Turner Engineering, PLLC  
Jennifer Zabik, P.E., S.E.  
1024 N Fullers Cross Road  
Winter Garden, FL 34787  
jzabik@ztengineering.com  
P-1294

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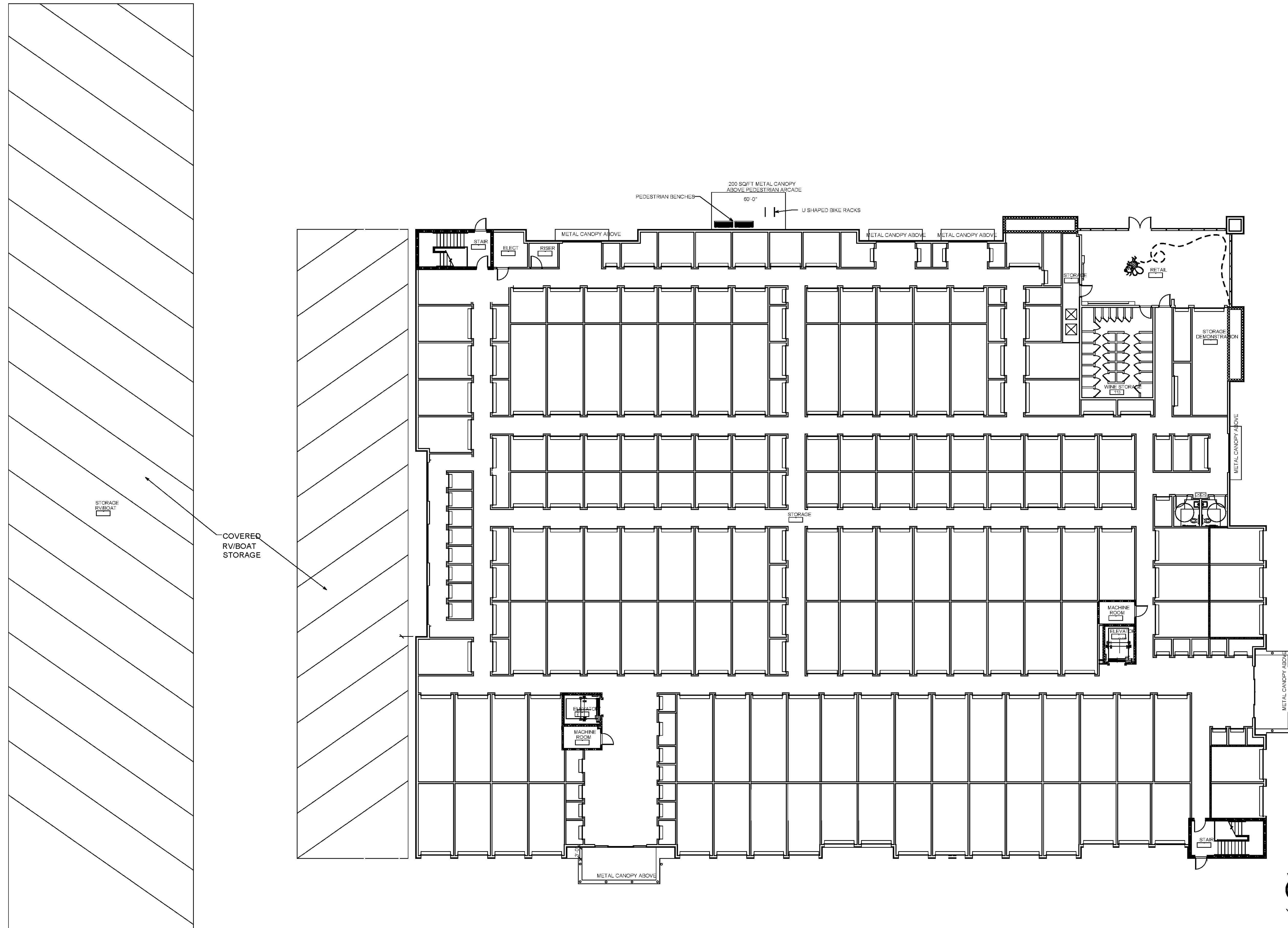
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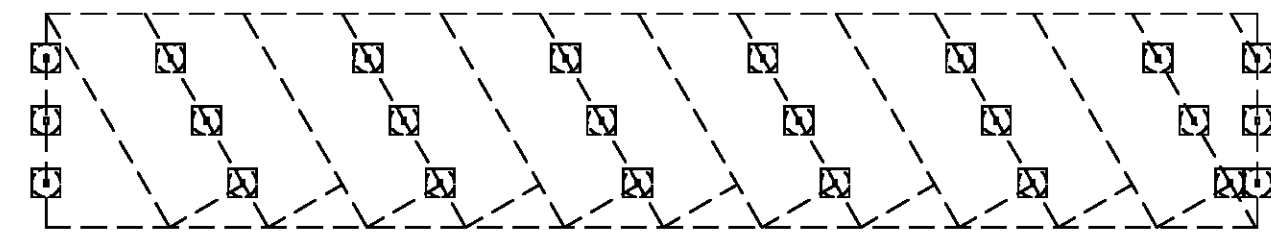
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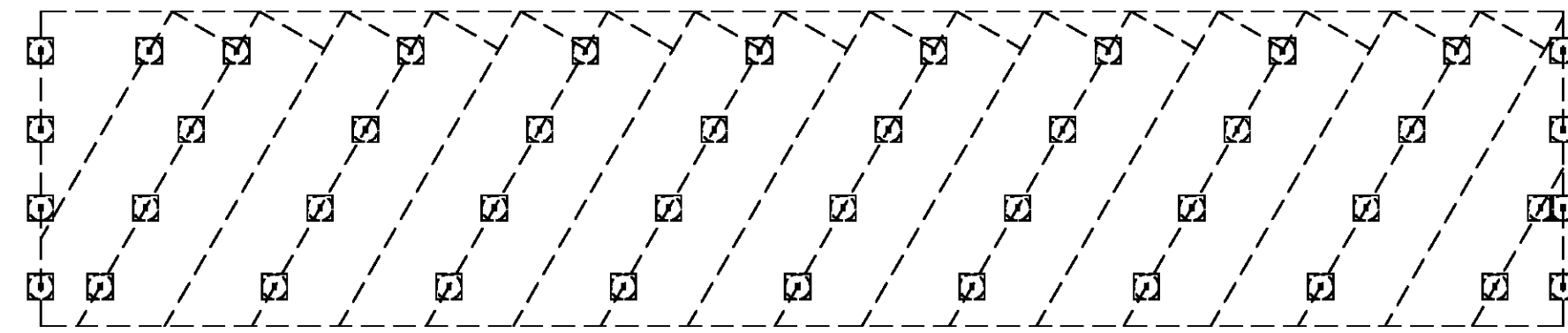
**RBS-SP1**



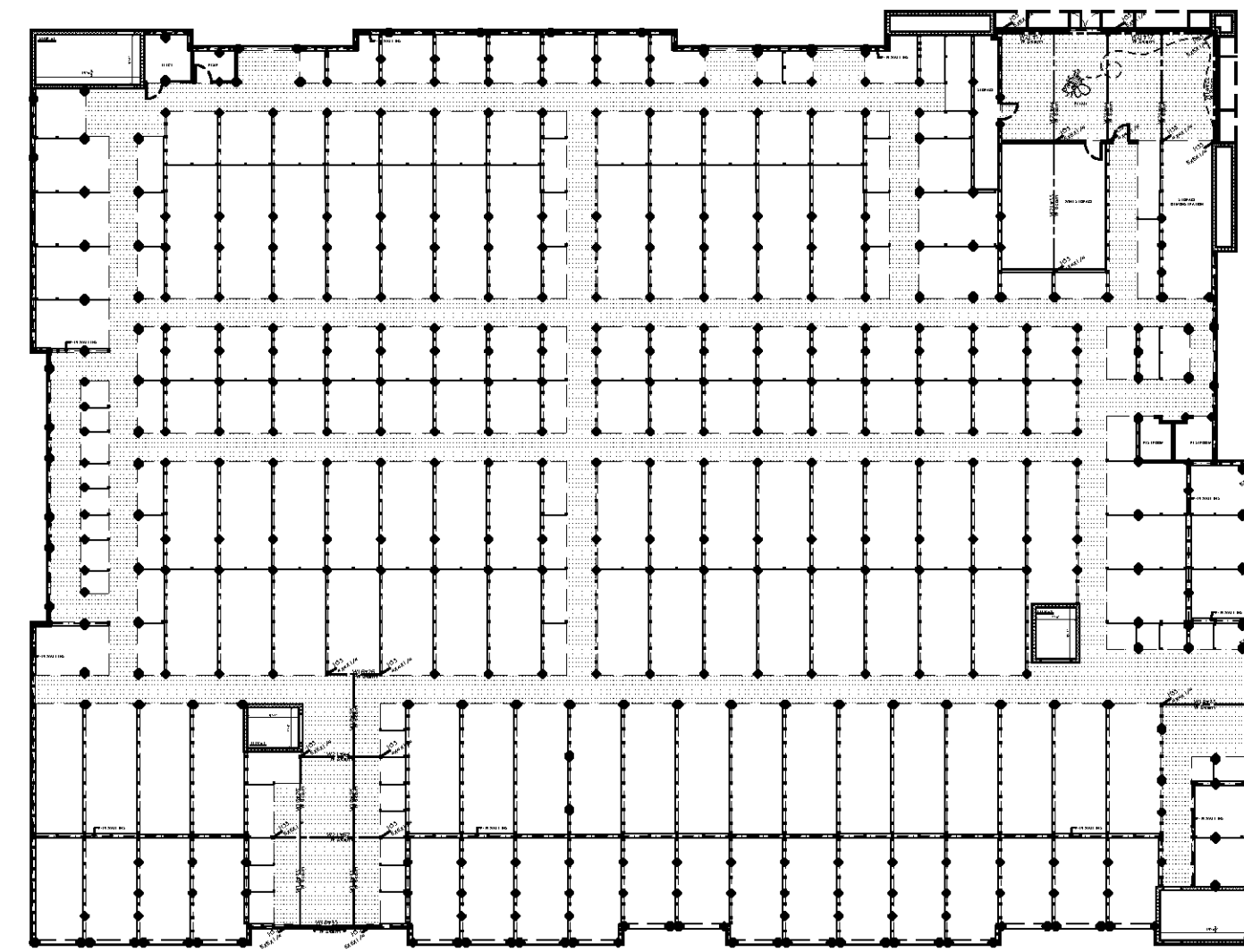
# Mariner Village Site Layout



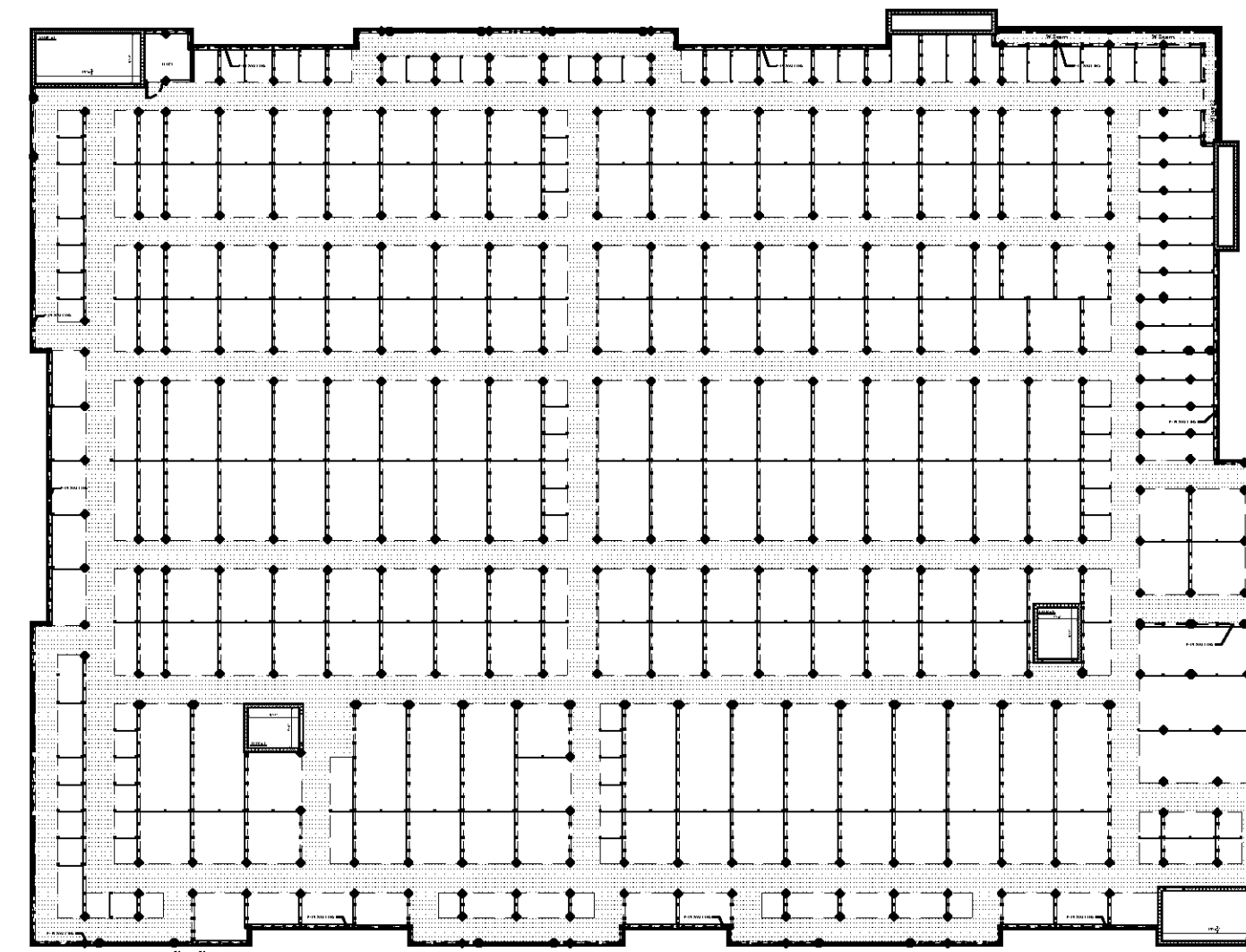
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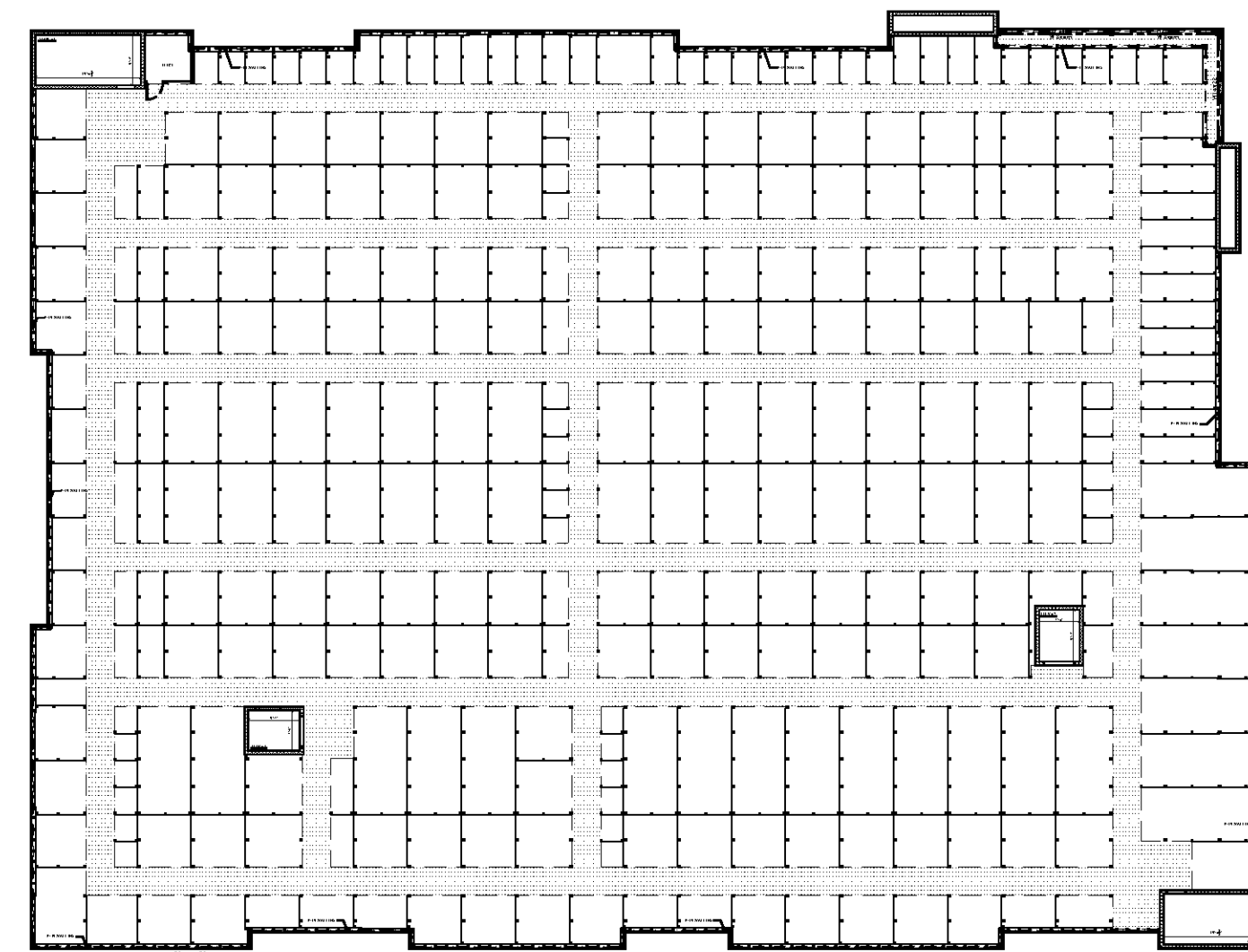
RV CANOPY "2"



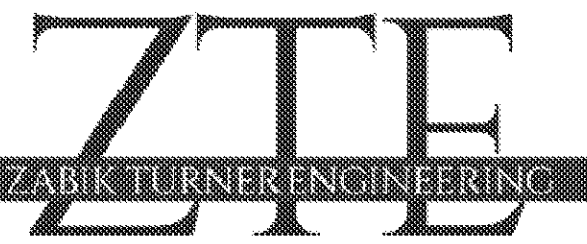
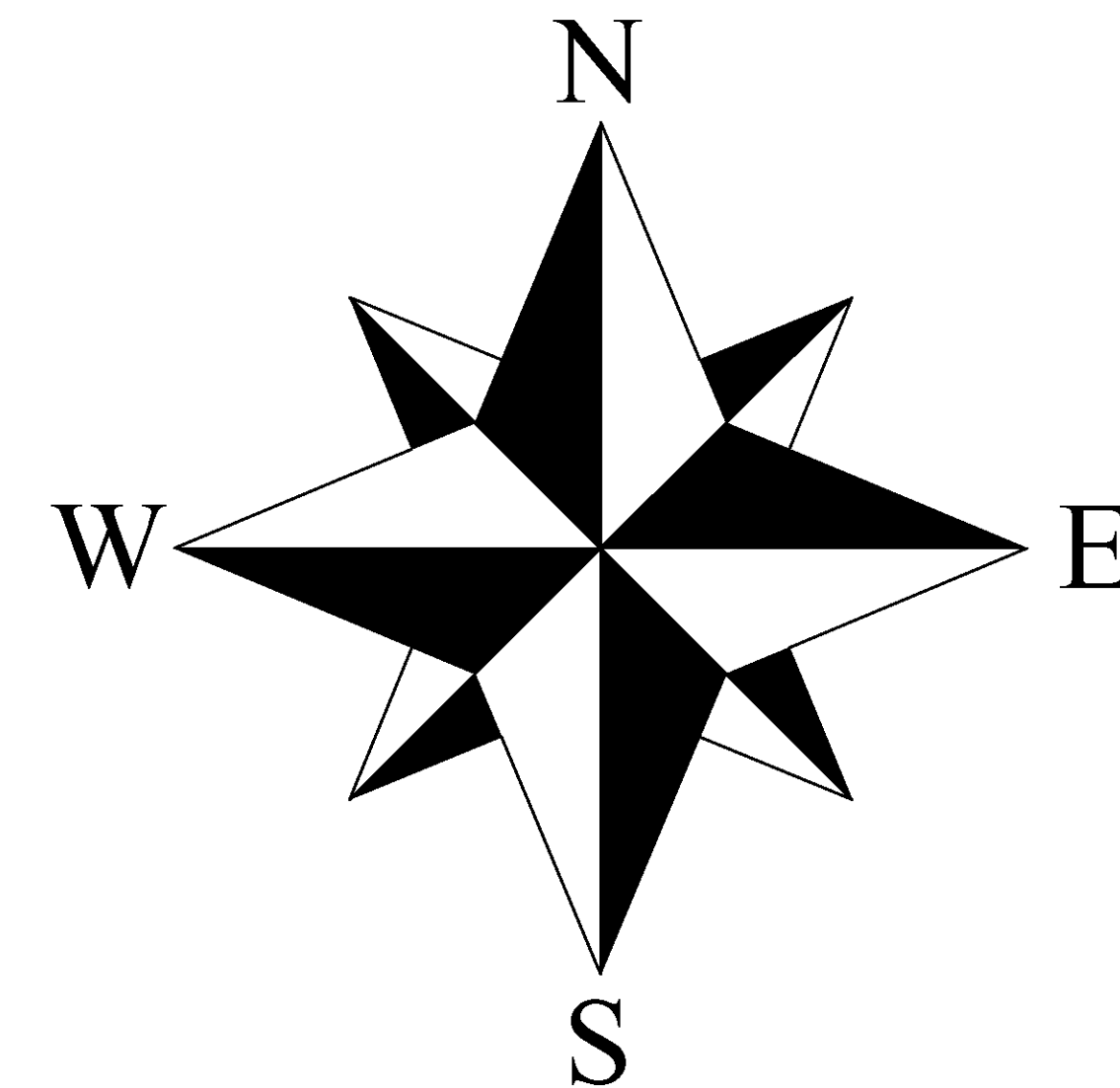
BUILDING "A" 1ST FLOOR



BUILDING "A" 2ND FLOOR

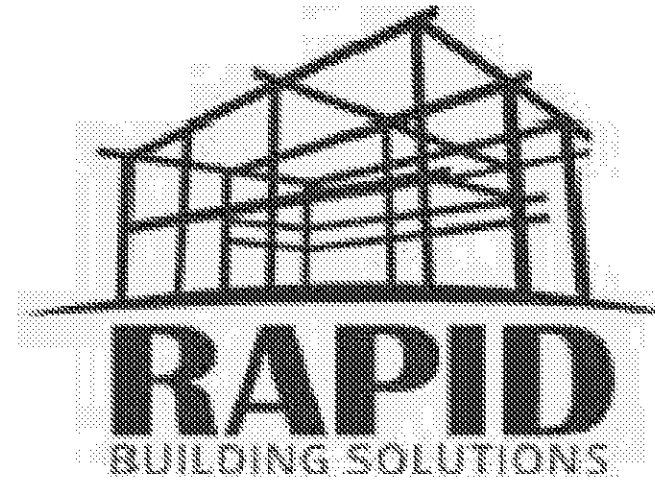
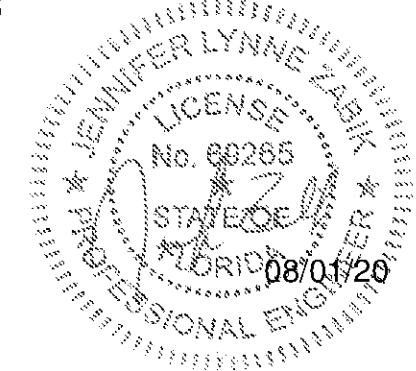


BUILDING "A" 3RD FLOOR



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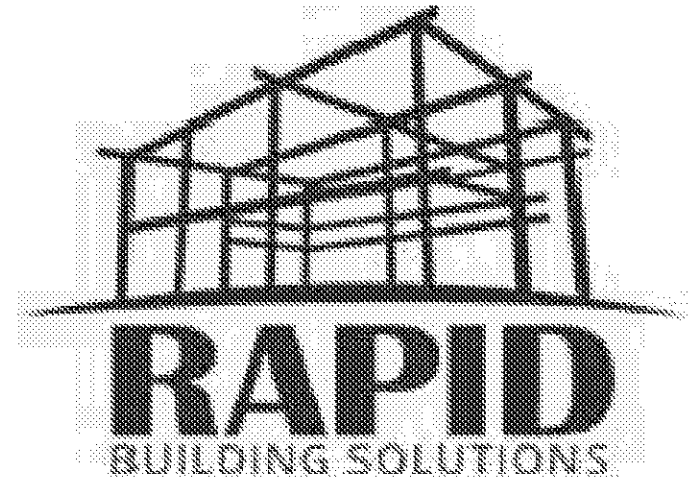
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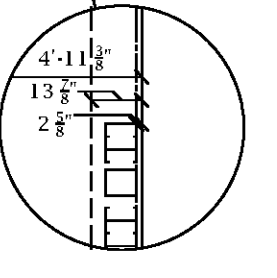
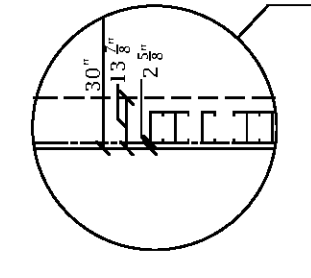
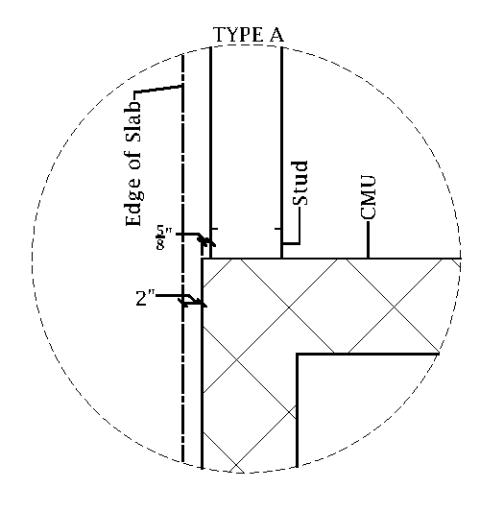
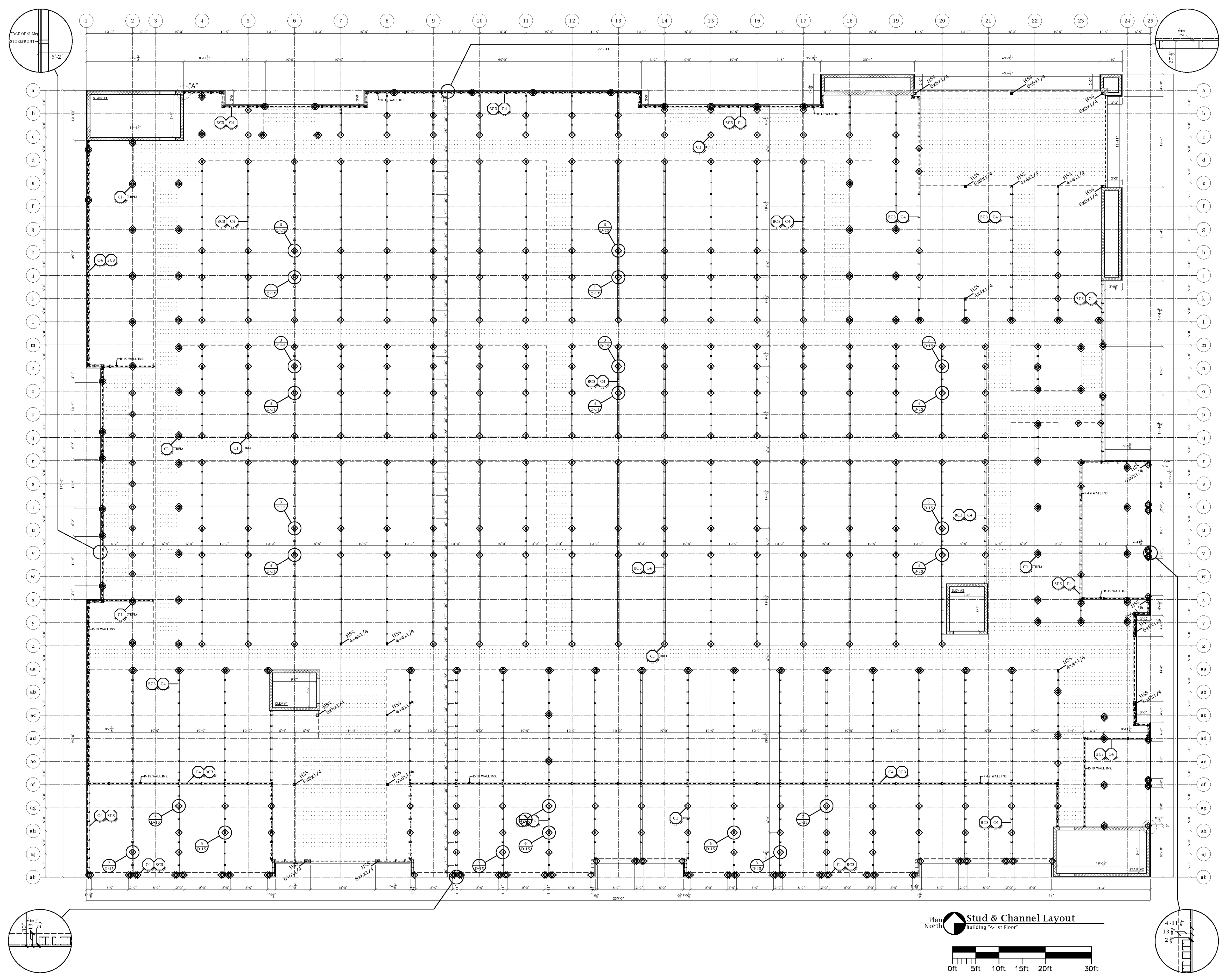
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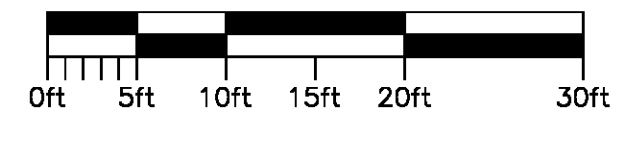
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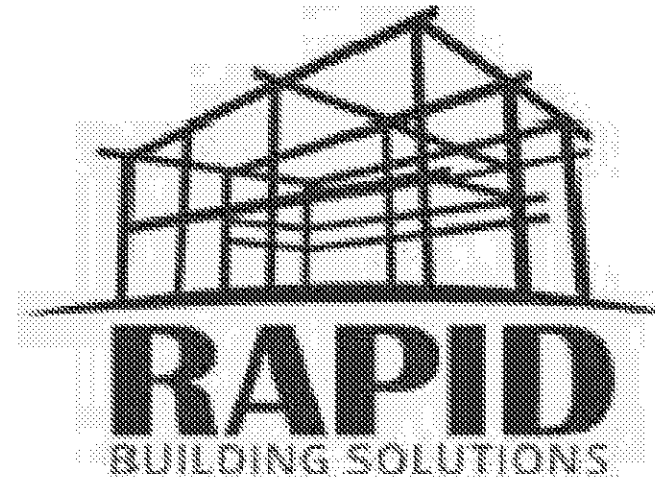


Plan North  
**Stud & Channel Layout**  
Building 'A'-1st Floor



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SHAPE	C	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	□	□	C	C	RRU	RRU	2VL	U	L	C	C	L	L	L
Web	1 5/8"	4"	4"	4"	6"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"	
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"	
GA.	18	12	14	16	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	16	12	16	18	16	26	29	18	16	16	16	16	12	12	12
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP

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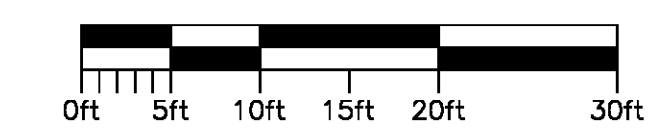
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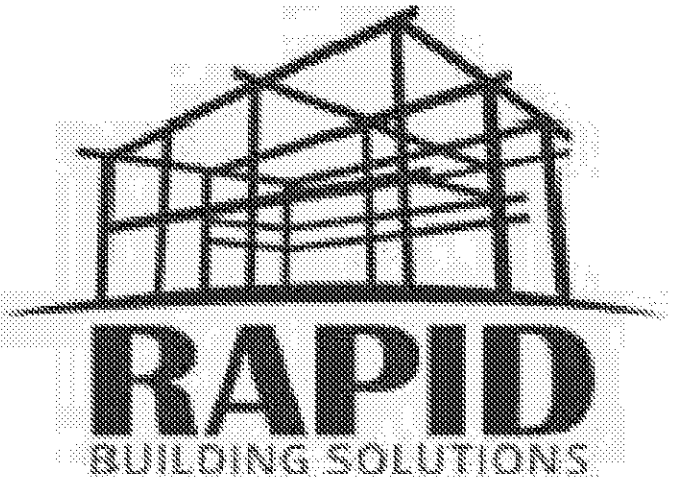
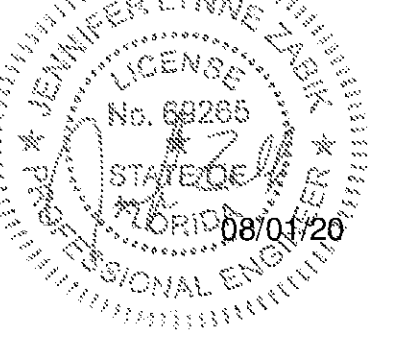
Plan North  
Partition & Unit Layout  
Building 'A' 1st Floor



	C1	C2	C3	C4	C5	BC1	BC2	BC3	BC4	TC1	TC2	TC3	TC4	TC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	UP1	UP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1
SHAPE	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	C	C	RRU	RRU	2VL	U	L	C	C	L	L	L			
Web	1 5/8"	4"	4"	4"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"	
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"		
GA.	18	12	14	16	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	18	16	26	29	18	16	16	16	16	16	12	12	12	
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP



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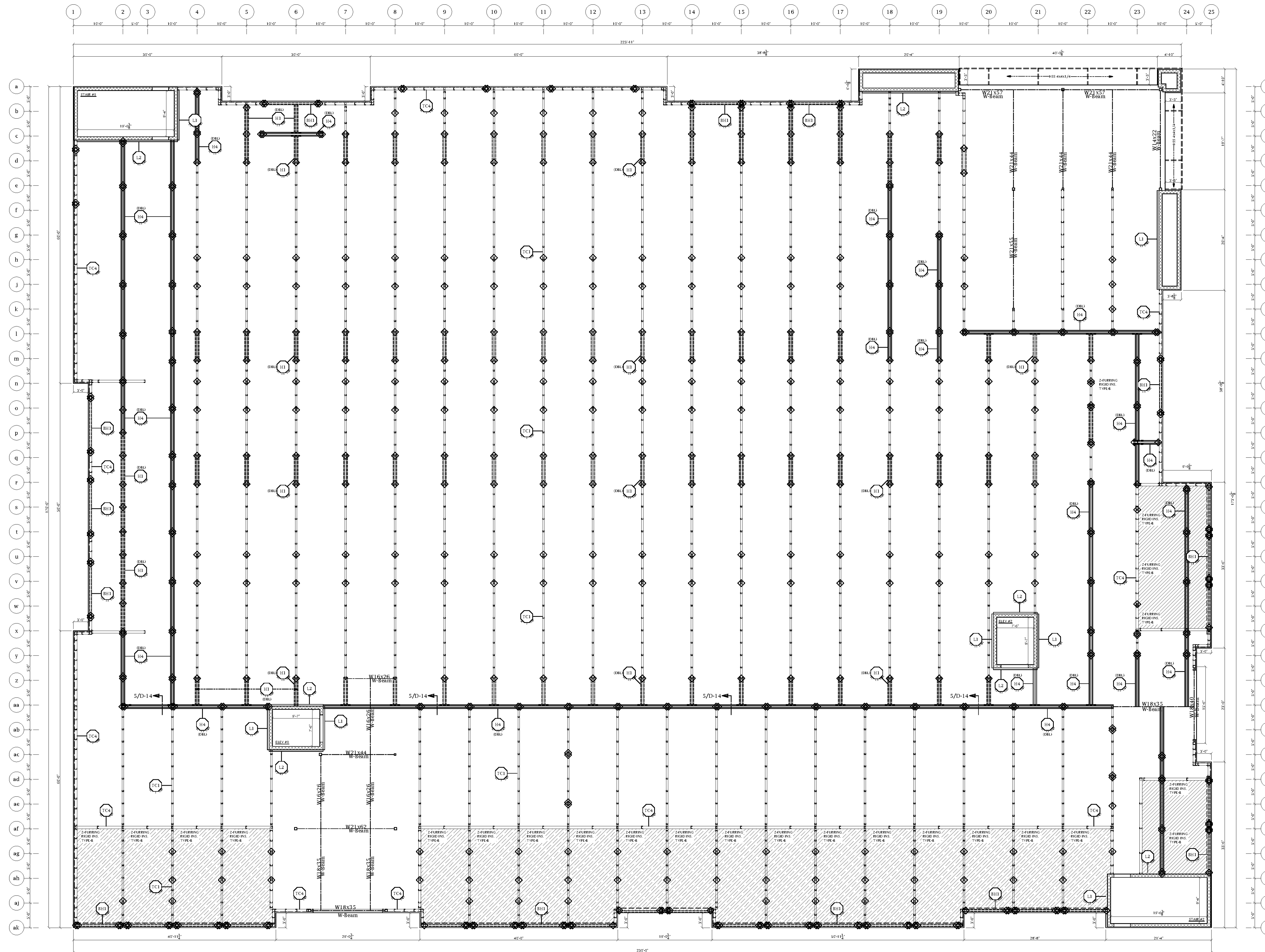
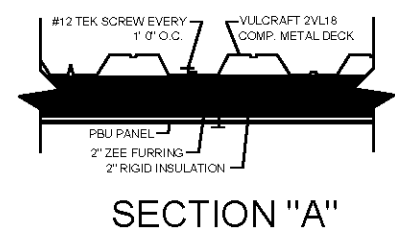
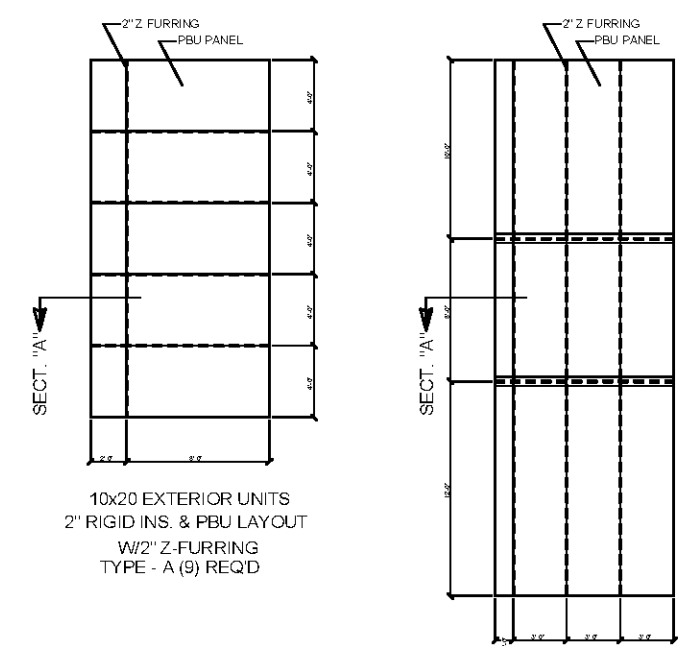
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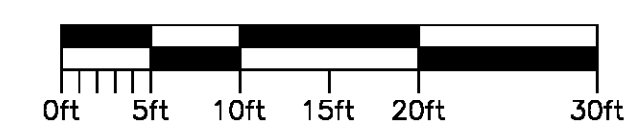
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**RBS-A1.3**

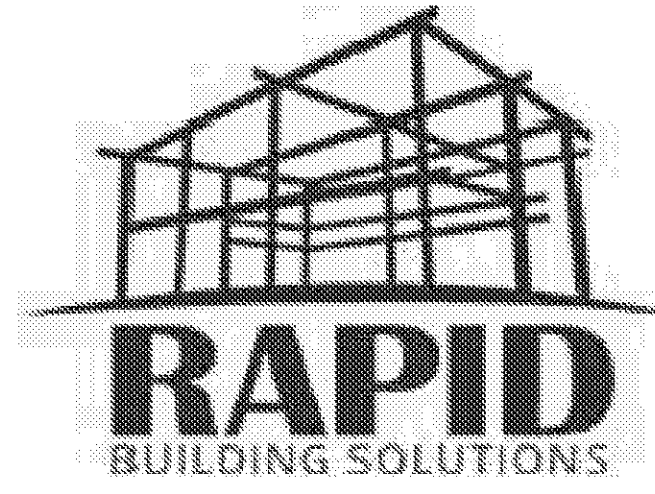
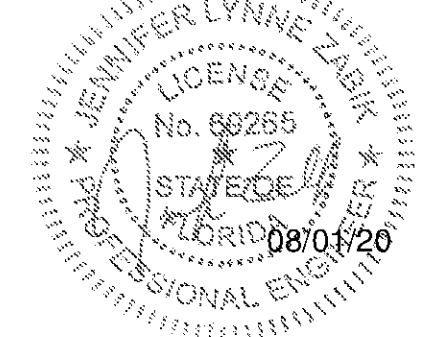


Plan North  
2nd Floor Framing Plan  
Building 'A-1st Floor'



	C1	C2	C3	C4	C5	BC1	BC2	BC3	BC4	TC1	TC2	TC3	TC4	TC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	UP1	UP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1
SHAPE	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	C	C	RRU	RRU	2VL	U	L	C	C	L	L	L			
Web	1 5/8"	4"	4"	4"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIABLES	VARIABLES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"	
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"		
GA.	18	12	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	16	18	16	26	29	18	16	16	16	16	16	12	12	12		
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP	

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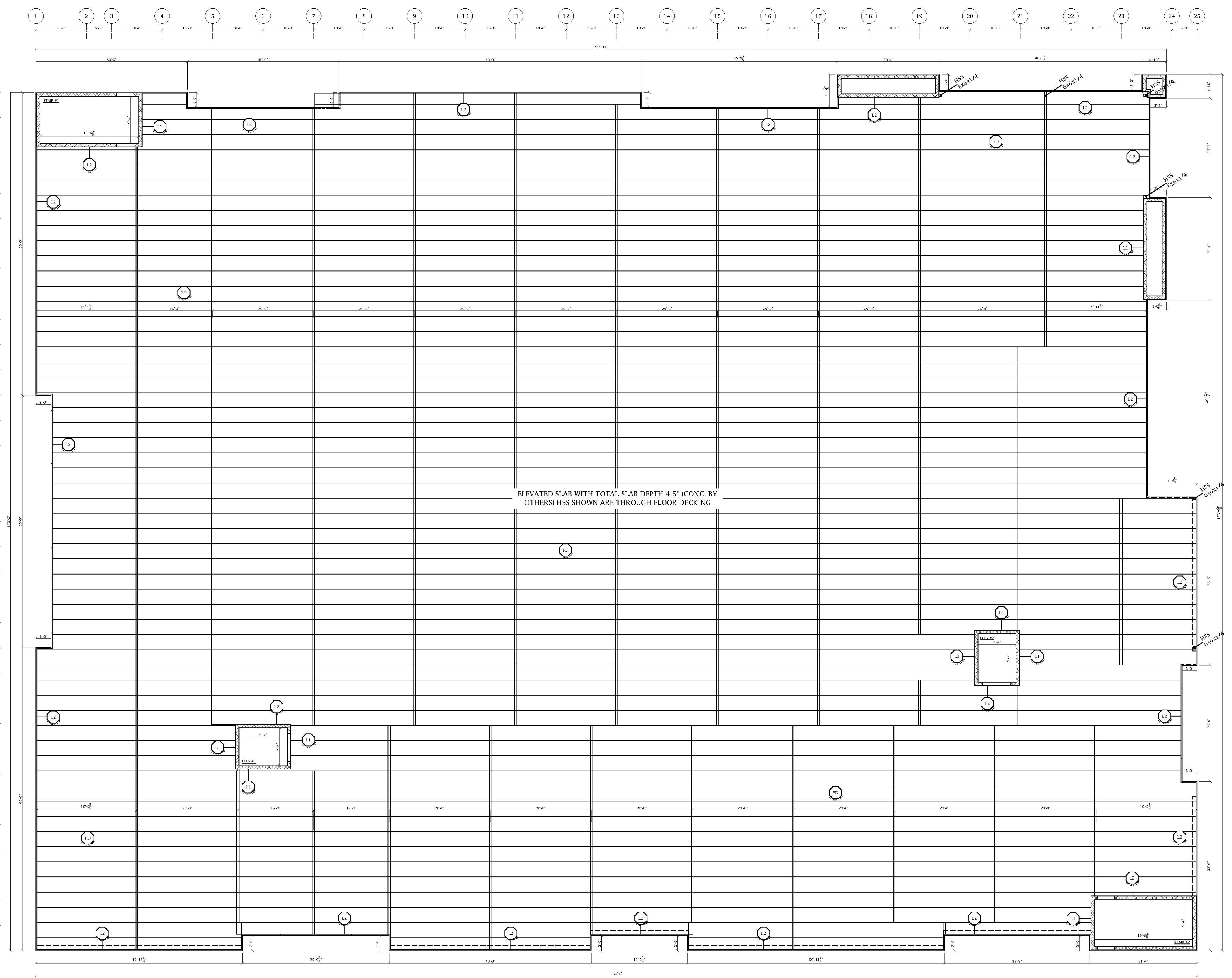
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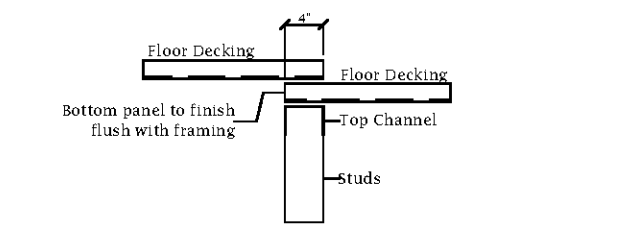
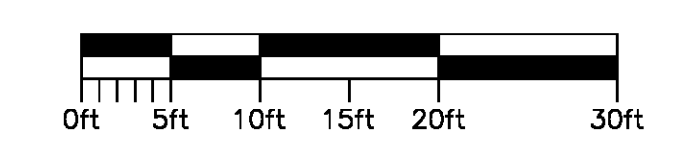
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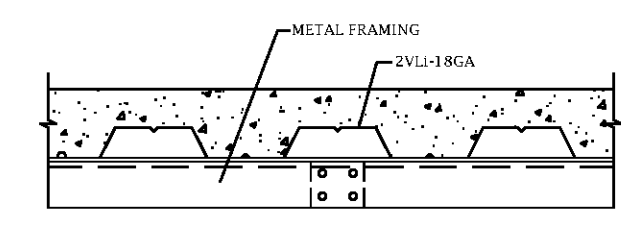
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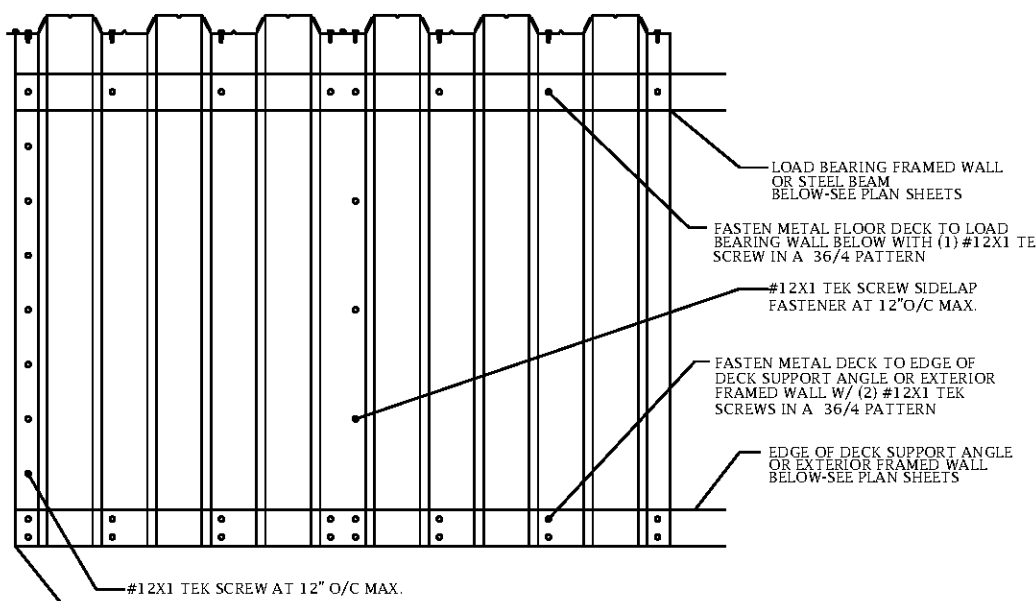
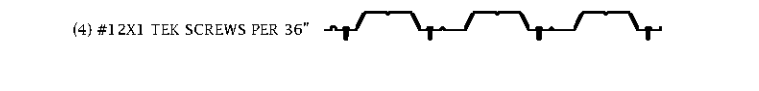
Plan North  
2nd Floor Decking Plan  
Building 'A-1st Floor'



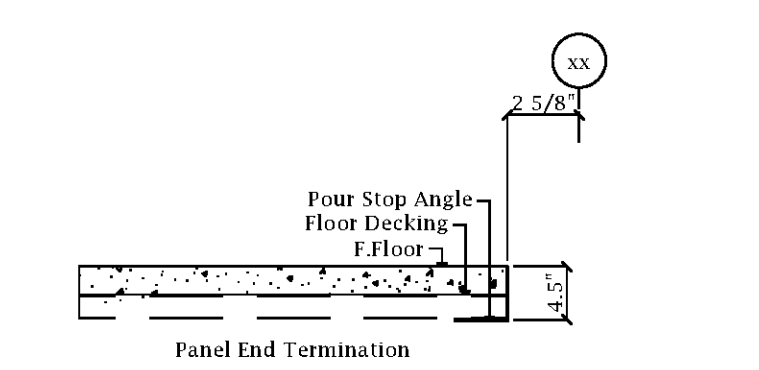
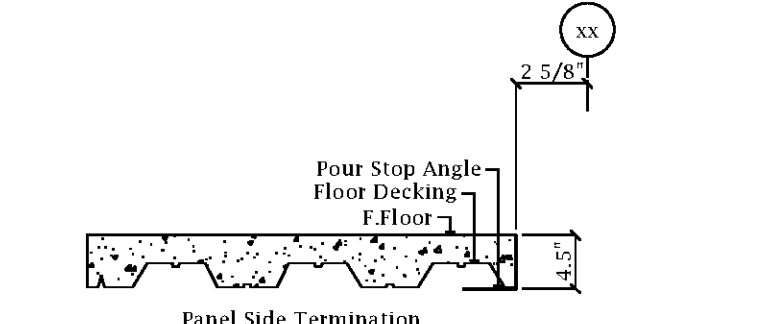
**NOTE TO THE GENERAL CONTRACTOR:**  
ALL JOINT SEAMS AND EDGE CONDITIONS OF DECKING ARE TO BE SEALED PRIOR TO THE POURING OF CONCRETE AND IS NOT THE RESPONSIBILITY OF RAPID BUILDING SOLUTIONS. RIBS FAILURE TO SEAL THE SEAMS AND EDGE CONDITIONS WILL ALLOW LEAKAGE OF CONCRETE. ANY CLEANUP OR DAMAGES TO MATERIALS CAUSED WILL NOT BE THE RESPONSIBILITY OF RBS.



**TYPICAL ELEVATED FLOOR CONSTRUCTION:**  
4 1/2" (2 1/2" CLEAR) REGULAR WEIGHT CONCRETE 3000 PSI OVER VULCRAF 2x12x8 GA COMPOSITE METAL DECK. REINFORCED SLAB W/ #4@16" x #4 PLAT. BARS SUPPORTED ON BOLSTER CHAINS. SET PLAT SHEETS 1 1/2" ABOVE DECK. FASTEN DECK TO SUPPORT STRUCTURE WITH #12 TEK SELF-DRILLING SCREWS AT 36" FLUTE, 36" PATTERN WITH 60 SKEWAP FASTENERS.



**NOTE:**  
1. MULTIPLE COLUMNS SHOWN ON THE SECOND FLOOR FRAMING PLAN SHALL BE SUPPORTED BY EQUIVALENT MULTIPLE COLUMNS FROM FLOOR BELOW.  
2. FASTEN CONT. MS TRACK TO MS HEADER BEAMS W/ #12 TEK SCREWS @ 12" O.C. MAX. STAGGERED 12" TO EACH HEADER BEAM.



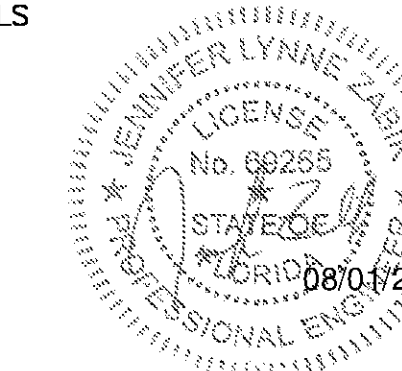
ANGLE	BOLT	
L1	3/4" x 5 1/4" EXP. ANCHOR BOLT	2' O.C.
L2	1/2" x 3 3/4" EXP. ANCHOR BOLT	2' O.C.

	C5	C1	C2	C3	C4	C5	BC1	BC2	BC3	BC4	TC1	TC2	TC3	TC4	TC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	UP1	UP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1
SHAPE	C	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	C	C	RRU	RRU	RRU	RRU	2VL	U	L	C	C	L	L	L
Web	1 5/8"	4"	4"	4"	6"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"	
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"		
GA.	18	12	14	16	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	16	18	16	26	29	18	16	16	16	16	16	12	12	12	
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP



Zabik Turner Engineering, PLLC  
 Jennifer Zabik, P.E., S.E.  
 1024 N Fullers Cross Road  
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SEALS



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 Winter Garden, FL 34787  
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**JOB NAME:**  
 Bee Safe  
 Mariner Village  
 Stuart, Florida

**JOB NUMBER:**  
 294-20-STU-FL

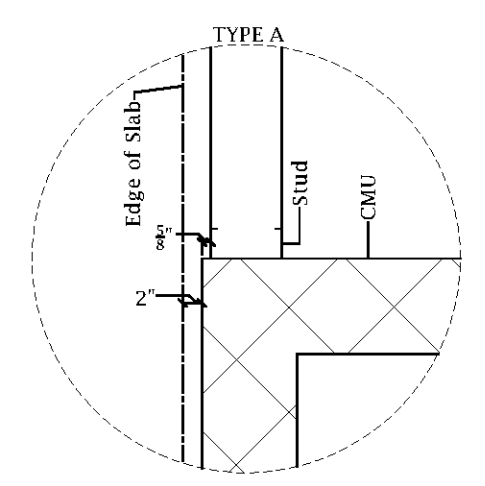
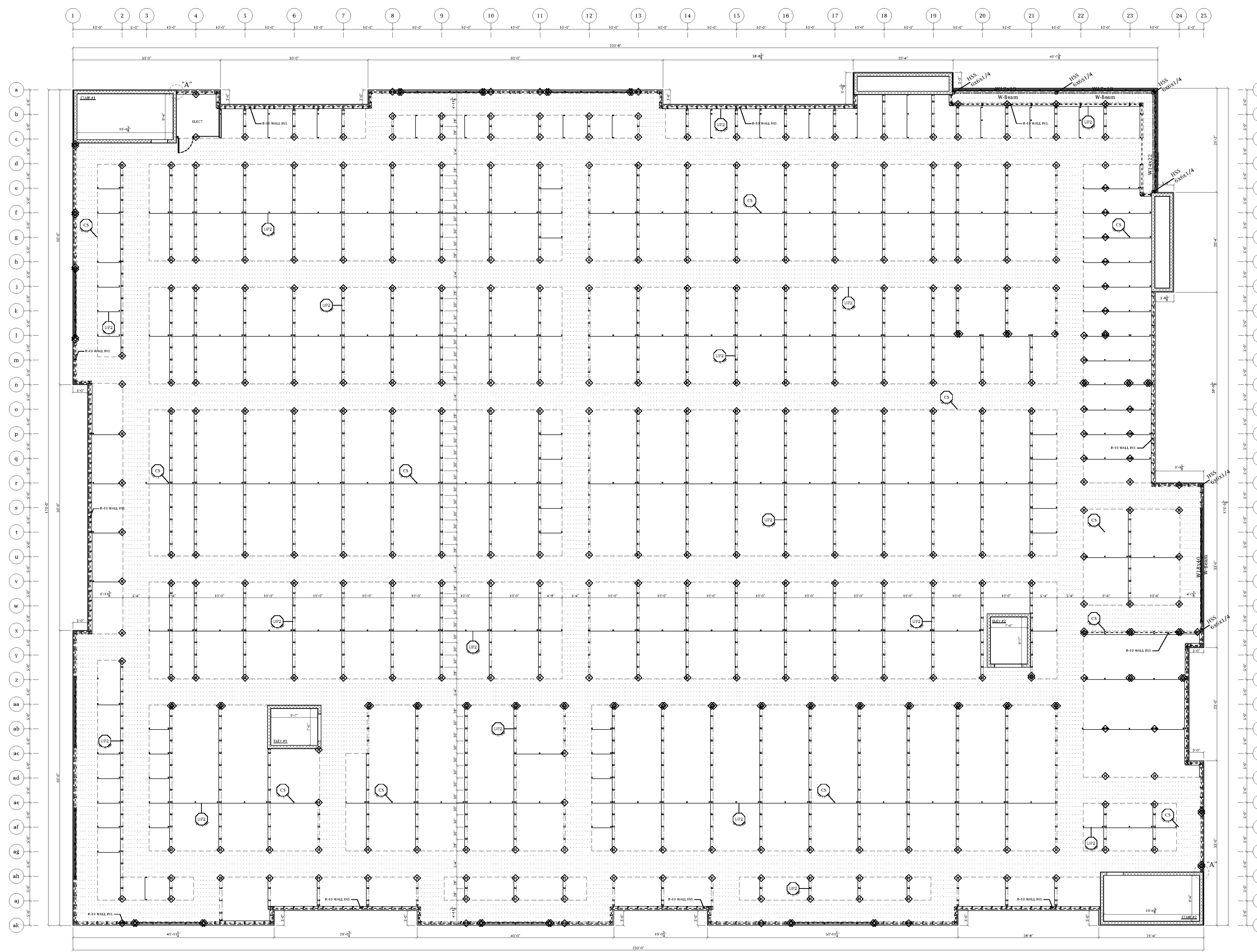
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2	06-10-20	Layout Review	JL
3	06-11-20	Layout Review	JL
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5	06-16-20	Layout Review	RG
0	07-22-20	Review Set	RG
1	07-29-20	Review Set	RG
2	07-30-20	Review Set	RG
3	08-01-20	Review Set	RG

ISSUE DATE: June 09, 2020  
 DESIGNED BY: RBS DRAWN BY: RBS-JL  
 CHECKED BY: RBS SUBMITTED BY: JZ

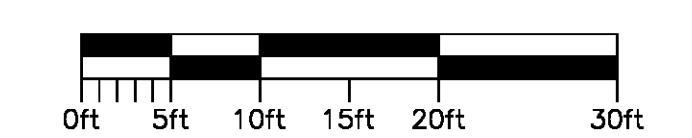
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## RBS-A1.6

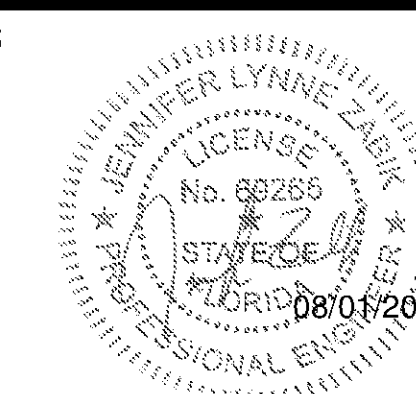


Plan North  
 Partition & Unit Layout  
 Building 'A' 2nd Floor



	C1	C2	C3	C4	C5	BC1	BC2	BC3	BC4	TC1	TC2	TC3	TC4	TC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	UP1	UP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1	
SHAPE	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	C	C	RRU	RRU	2VL	U	L	C	C	L	L	L				
Web	1 5/8"	4"	4"	4"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"		
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"			
GA.	18	12	14	16	14	16	14	16	12	14	16	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	18	16	12	16	18	16	26	29	18	16	16	16	12	12	12	
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP

SEALS



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Stuart, Florida

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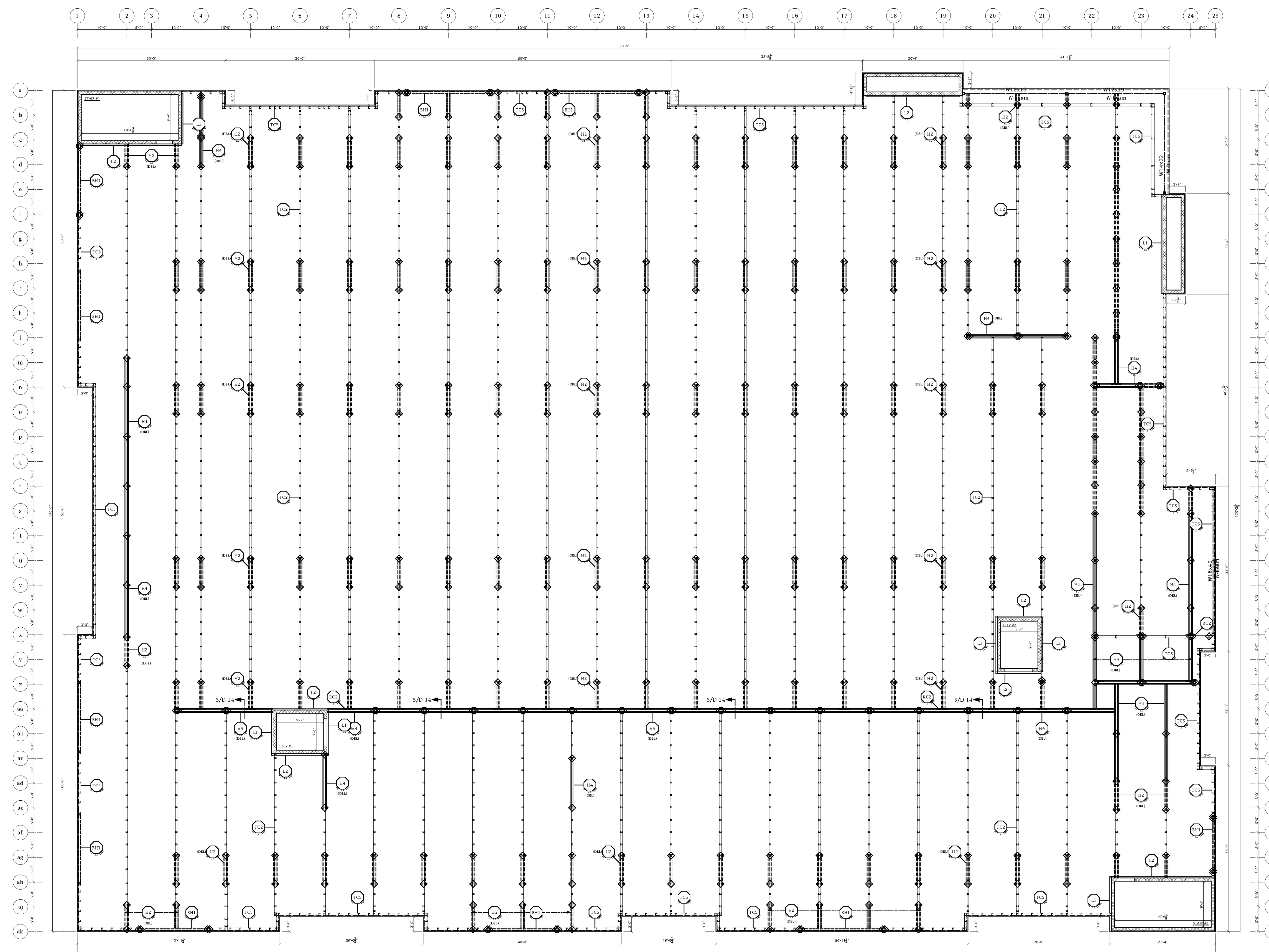
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3	06-11-20	Layout Review	JL
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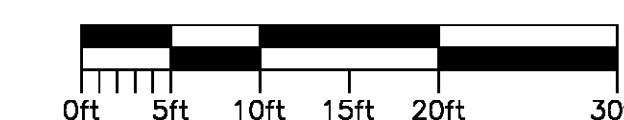
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**RBS-A1.7**

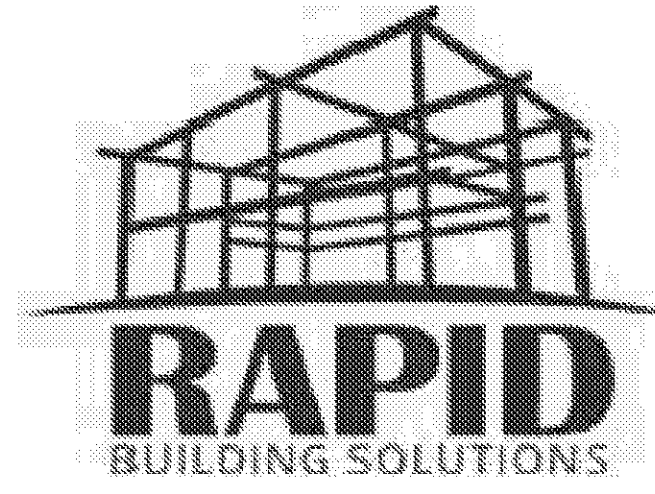


Plan North  
3rd Floor Framing Plan  
Building 'A' 2nd Floor



	C1	C2	C3	C4	C5	BC1	BC2	BC3	BC4	TC1	TC2	TC3	TC4	TC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	IP1	IP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1
SHAPE	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	C	C	RRU	RRU	RRU	2VL	U	L	C	C	L	L	L	
Web	1 5/8"	4"	4"	4"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"	
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"		
GA.	18	12	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	16	12	16	18	26	29	18	16	16	16	16	12	12	12		
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP

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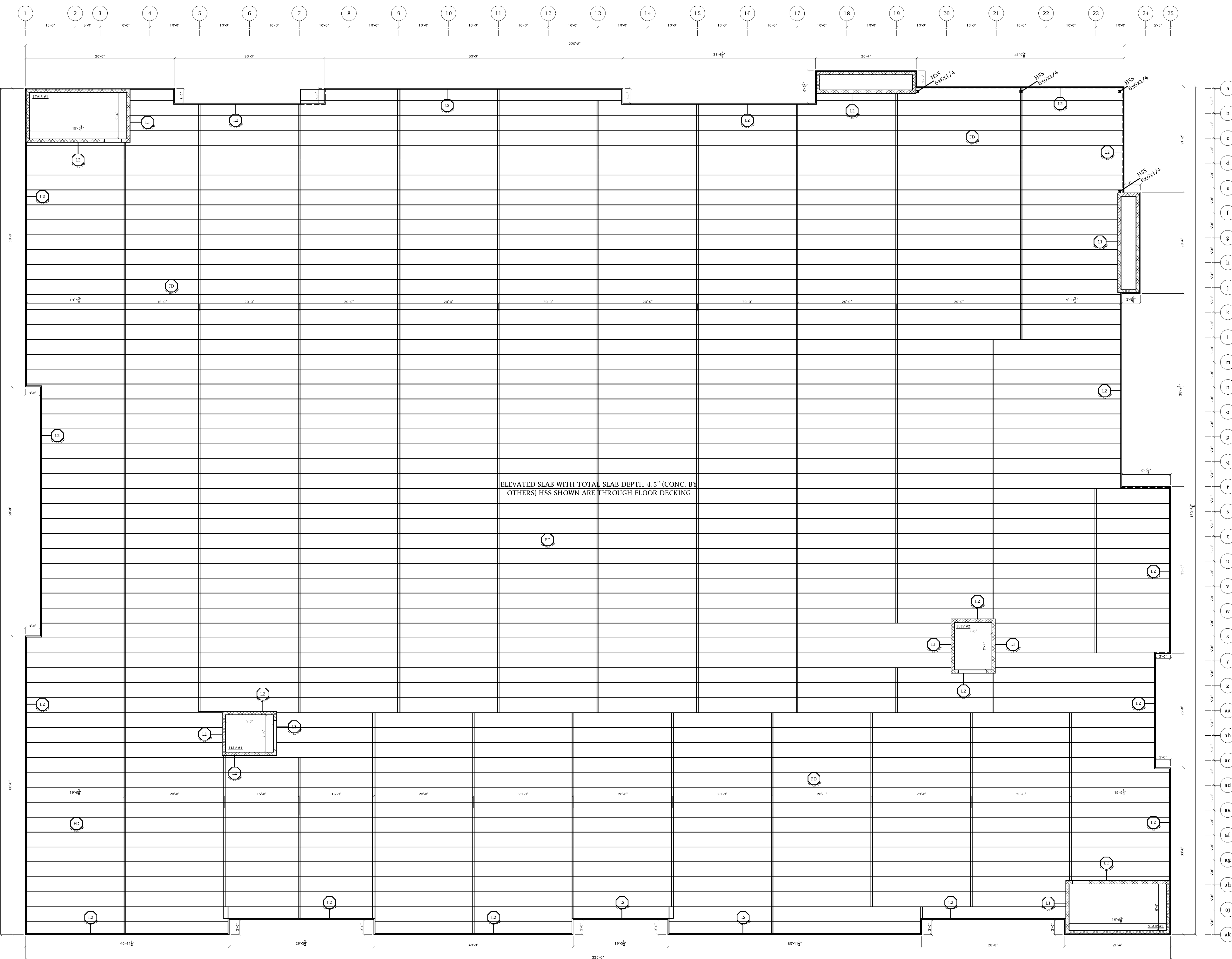
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2	06-10-20	Layout Review	JL
3	06-11-20	Layout Review	JL
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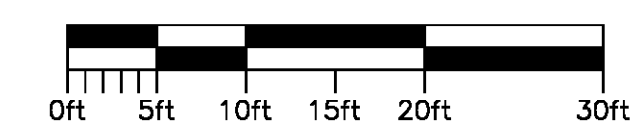
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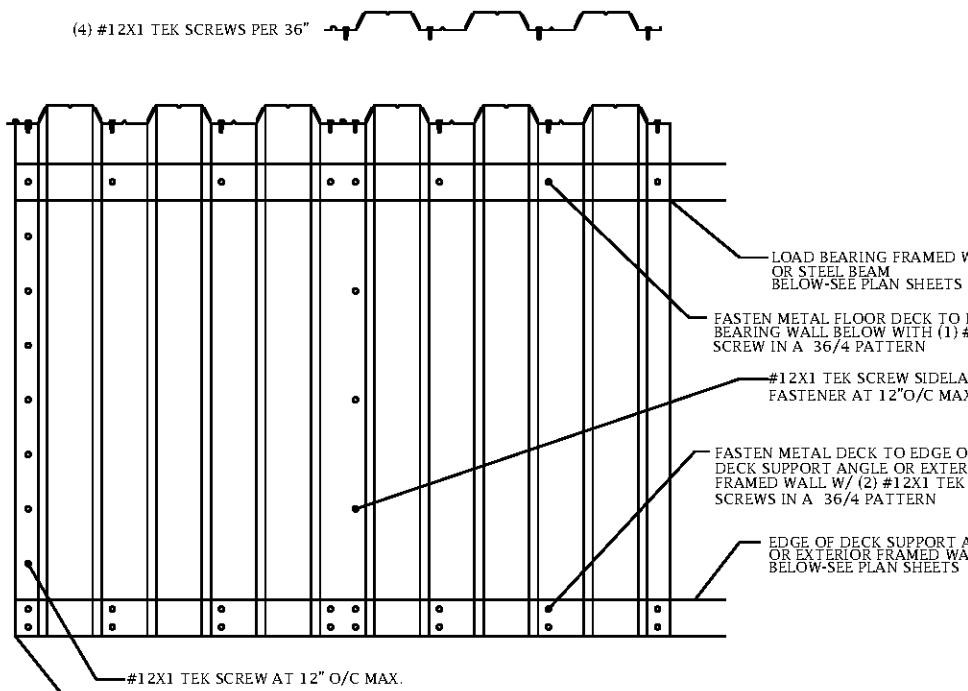
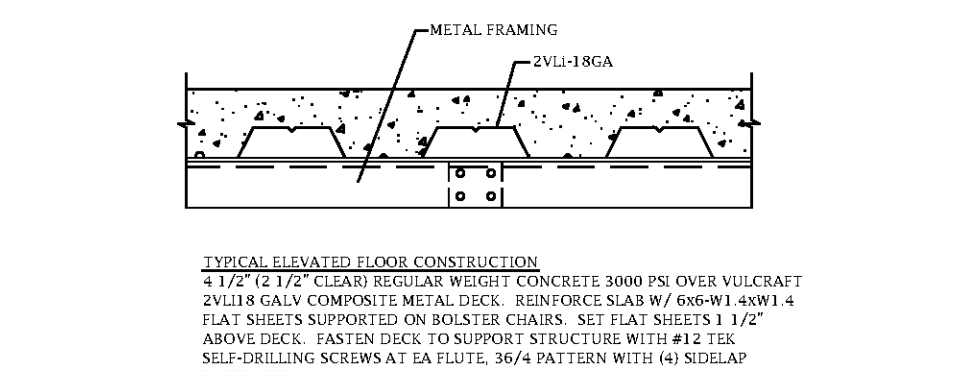
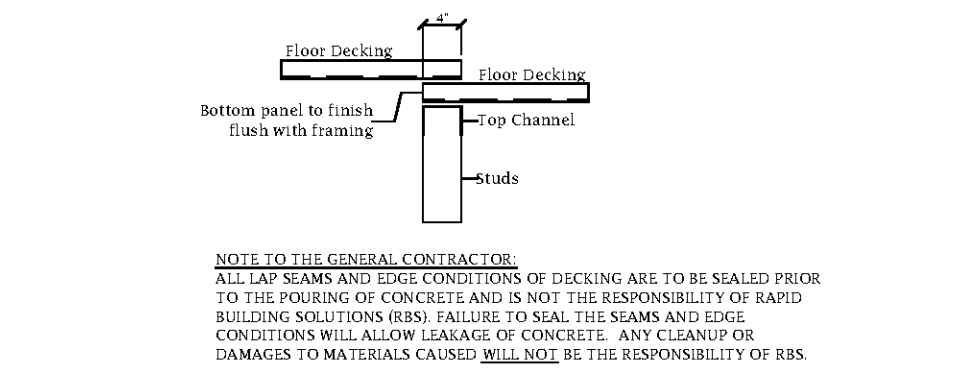
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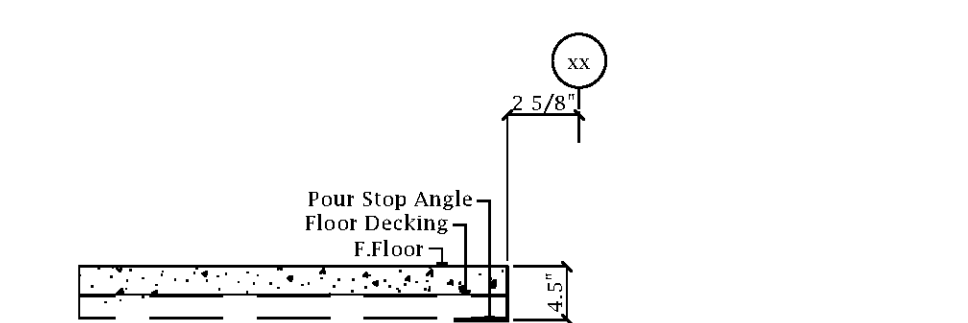
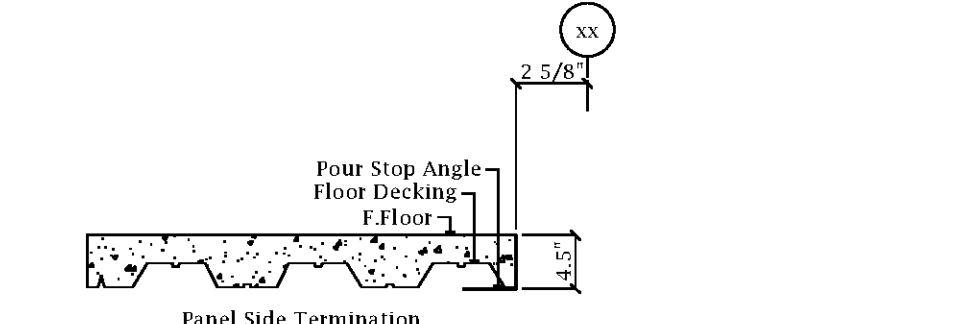
Plan North  
3rd Floor Decking Plan  
Building 'A-2nd Floor'



SHAPE	CS	C1	C2	C3	C4	C5	BC1	BC2	BC3	BC4	TC1	TC2	TC3	TC4	TC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	UP1	UP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1								
DOUBLE COLUMN																																																				
TRIPLE COLUMN																																																				
QUAD COLUMN																																																				
CMU																																																				
INSULATED WALL																																																				
1-Hour Firewall																																																				
2-Hour Firewall																																																				
3-Hour Firewall																																																				
BRICK VENEER																																																				
CMU VENEER																																																				
CONC. BEAM																																																				



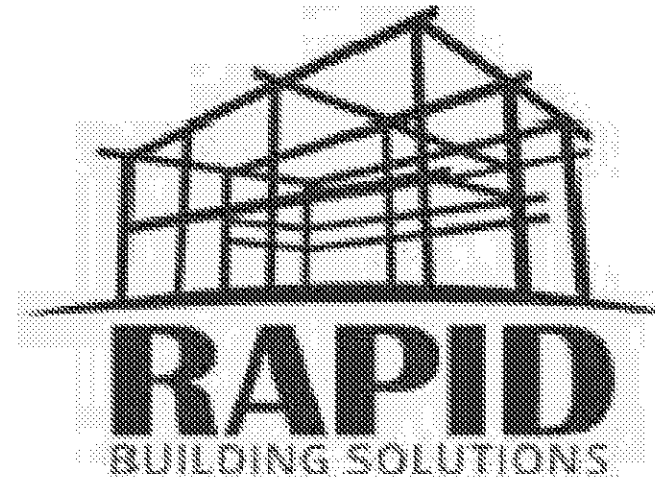
NOTE:  
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2. FASTEN CORN. MS TRACK TO MS HEADER BEAMS W/ #12 TEK SCREWS @ 12" O.C. MAX. (STAGGERED 12" TO EACH HEADER BEAM.)



ANGLE	BOLT
L1	3/4" x 5 1/4" EXP. ANCHOR BOLT 2' O.C.
L2	1/2" x 3 3/4" EXP. ANCHOR BOLT 2' O.C.

SHAPE	C	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	BH1	BH2	SH	SP	UP1	UP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1
Web	1 5/8"	4"	4"	4"	6"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"	6"
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"			
GA.	18	12	14	16	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	16	18	16	16	26	29	18	16	16	16	16	12	12	12	
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP

SEALS



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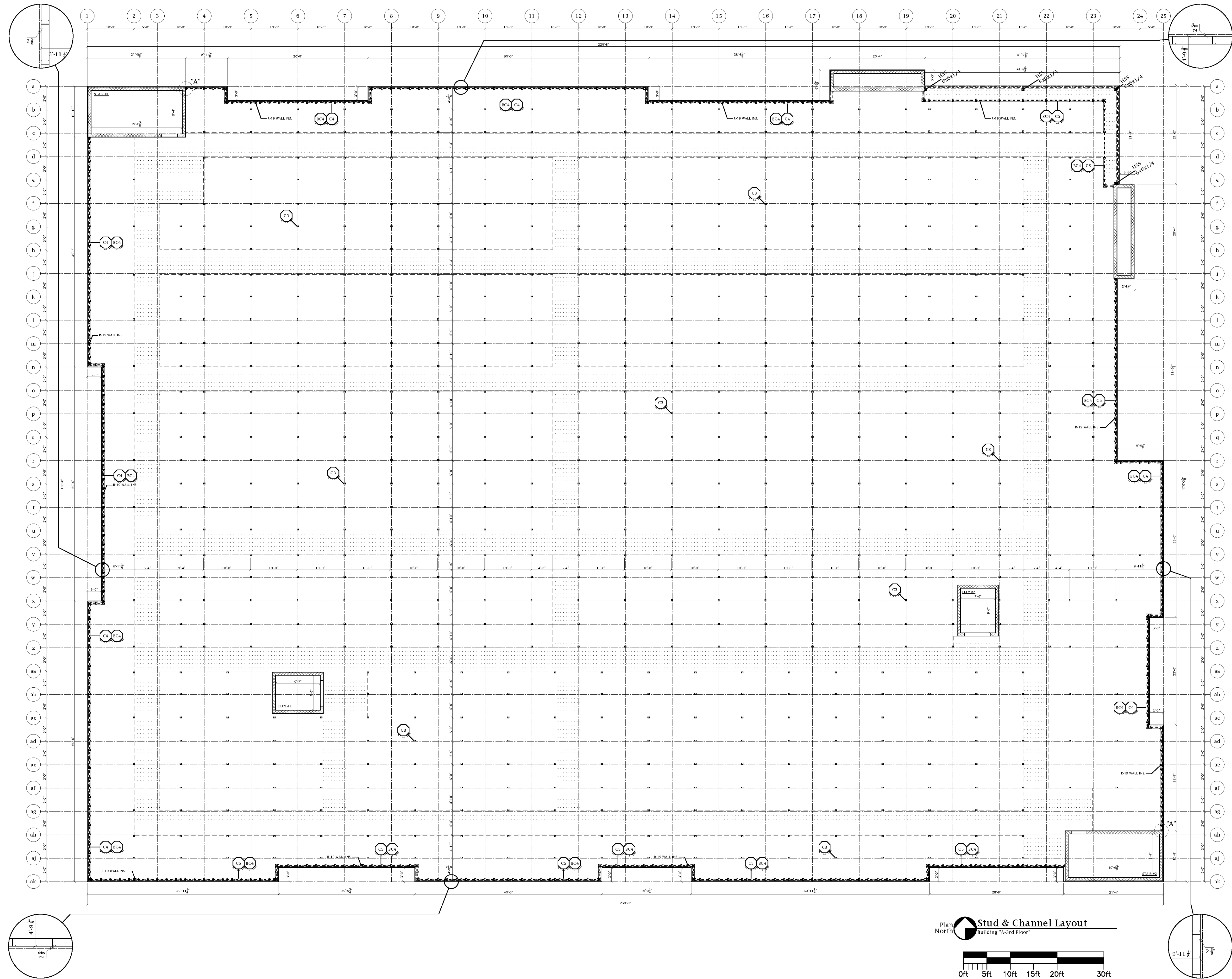
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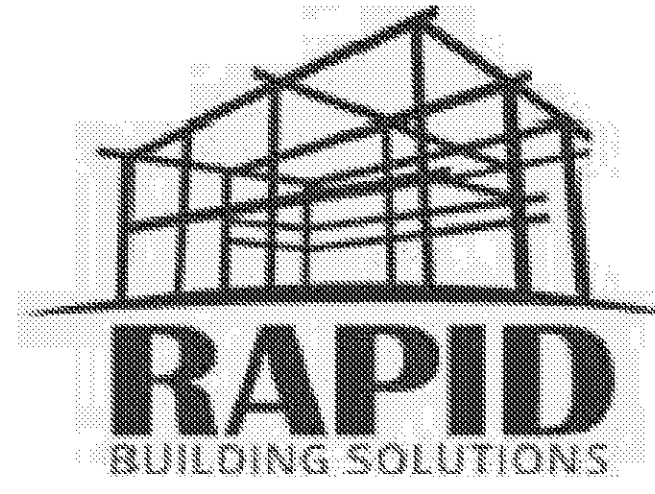
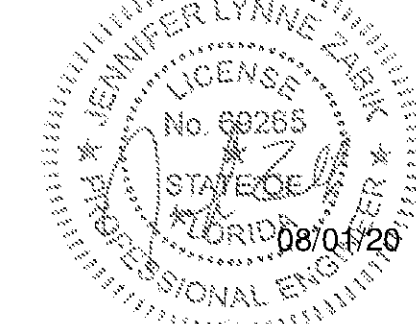
INITIALS OF GC/OWNER



Plan North  
**Stud & Channel Layout**  
Building 'A' 3rd Floor

SHAPE	C	C	C	C	C	C	U	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	Z	Z	Z	BH1	BH2	SH	SP	IP1	IP2	FD	FD	ES1	ES	G1	G2	GC1	GC2	CL1
Web	1 5/8"	4"	4"	4"	6"	6"	4"	4"	6"	6"	6"	6"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"	6"									
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"										
GA.	18	12	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	16	12	16	18	16	26	29	18	16	16	16	16	16	12	12	12									
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP					

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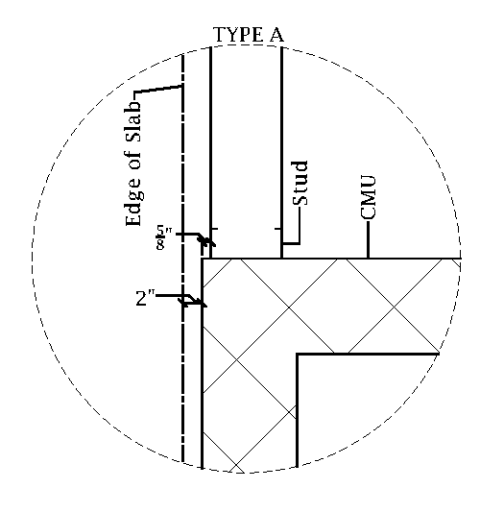
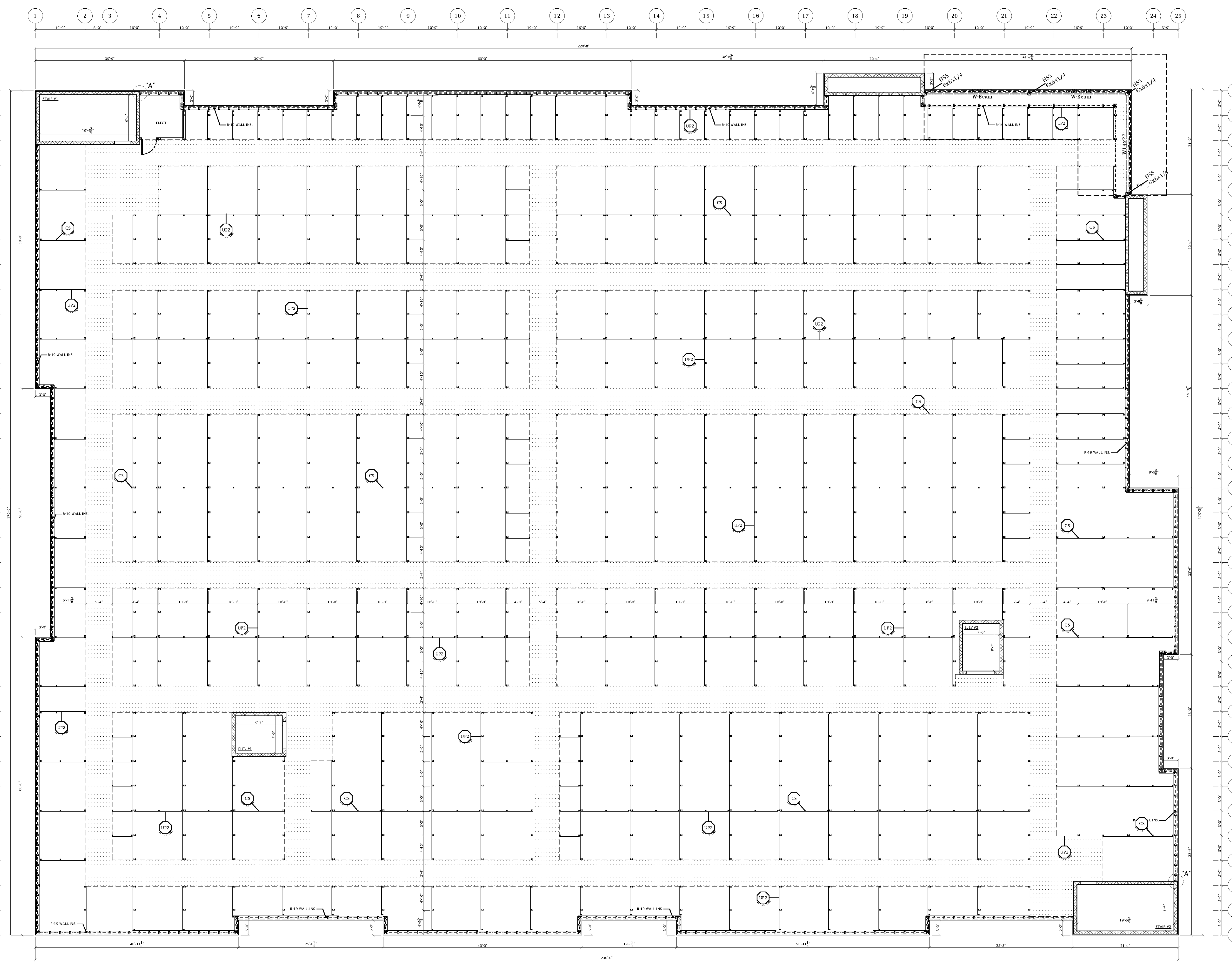
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5	06-16-20	Layout Review	RG
0	07-22-20	Review Set	RG
1	07-29-20	Review Set	RG
2	07-30-20	Review Set	RG
3	08-01-20	Review Set	RG

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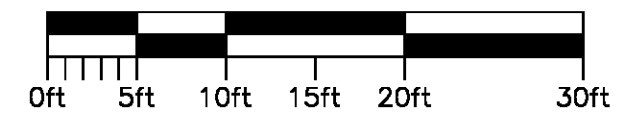
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**RBS-A1.10**



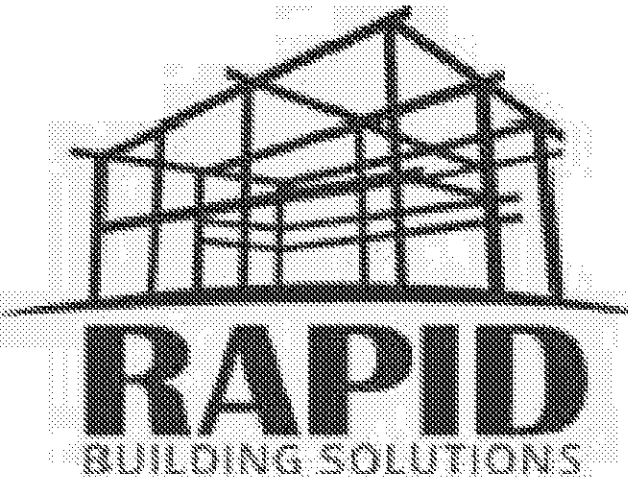
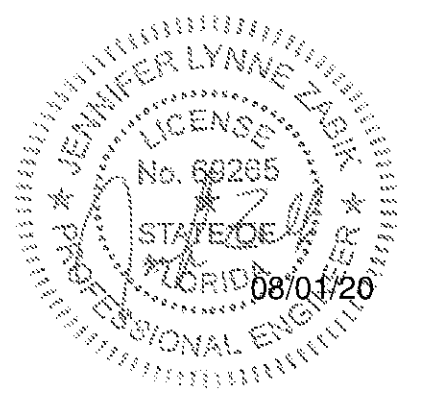
Plan North Partition & Unit Layout  
Building 'A' 3rd Floor



SHAPE	C1	C2	C3	C4	C5	UC1	UC2	UC3	UC4	UC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	UP1	UP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1					
Web	1 5/8"	4"	4"	4"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"				
GA.	18	12	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	14	14	3/8	12	16	16	16	16	12	16	18	16	26	29	18	16	16	16	16	12	12	12				
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP				



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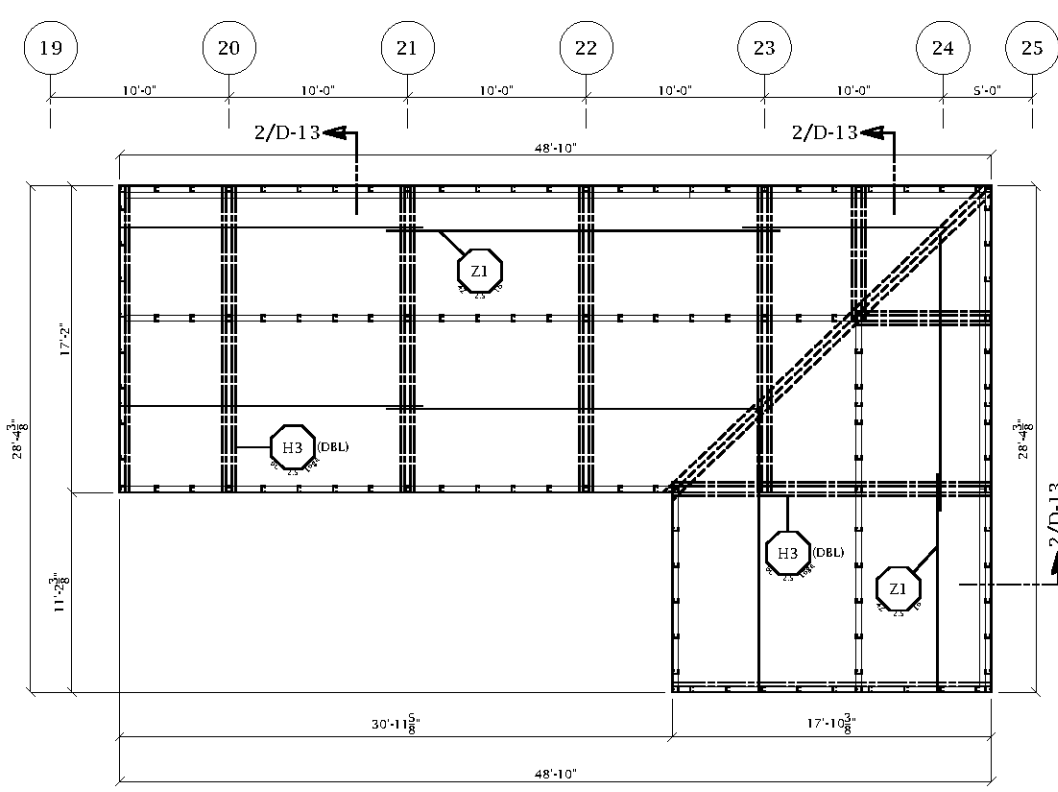
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5	06-16-20	Layout Review	RG
0	07-22-20	Review Set	RG
1	07-29-20	Review Set	RG
2	07-30-20	Review Set	RG
3	08-01-20	Review Set	RG

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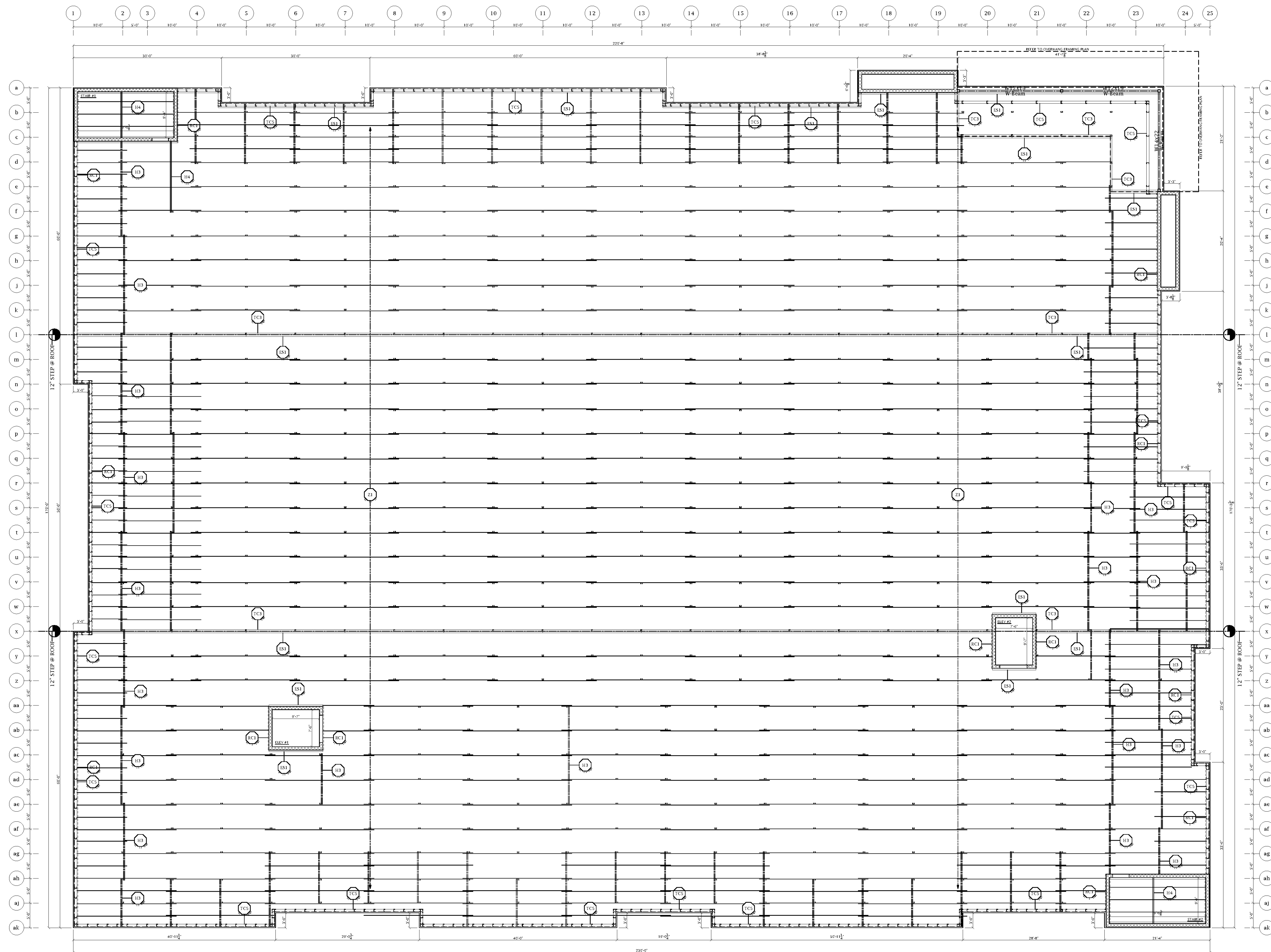
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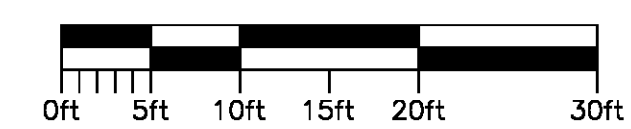
**RBS-A1.11**



Plan North  
**Overhang Framing Plan**  
Building 'A'-3rd Floor

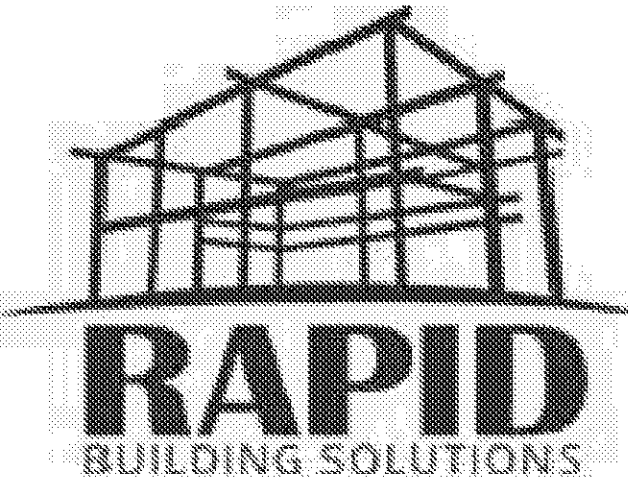
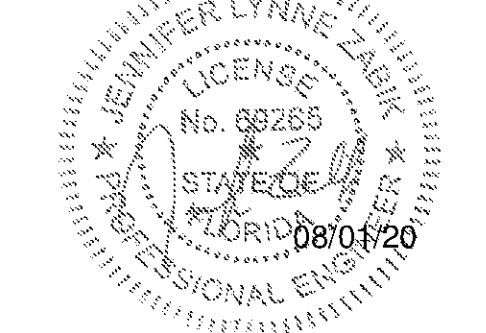


Plan North  
**Roof Framing Plan**  
Building 'A'-3rd Floor



	C5	C1	C2	C3	C4	C5	BC1	BC2	BC3	BC4	TC1	TC2	TC3	TC4	TC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	UP1	UP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1
SHAPE	C	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	C	C	RRU	RRU	RRU	2VL	U	L	C	C	L	L	L		
Web	1 5/8"	4"	4"	4"	6"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"	
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"			
GA.	18	12	14	16	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	18	16	26	29	18	16	16	16	16	16	12	12	12		
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP

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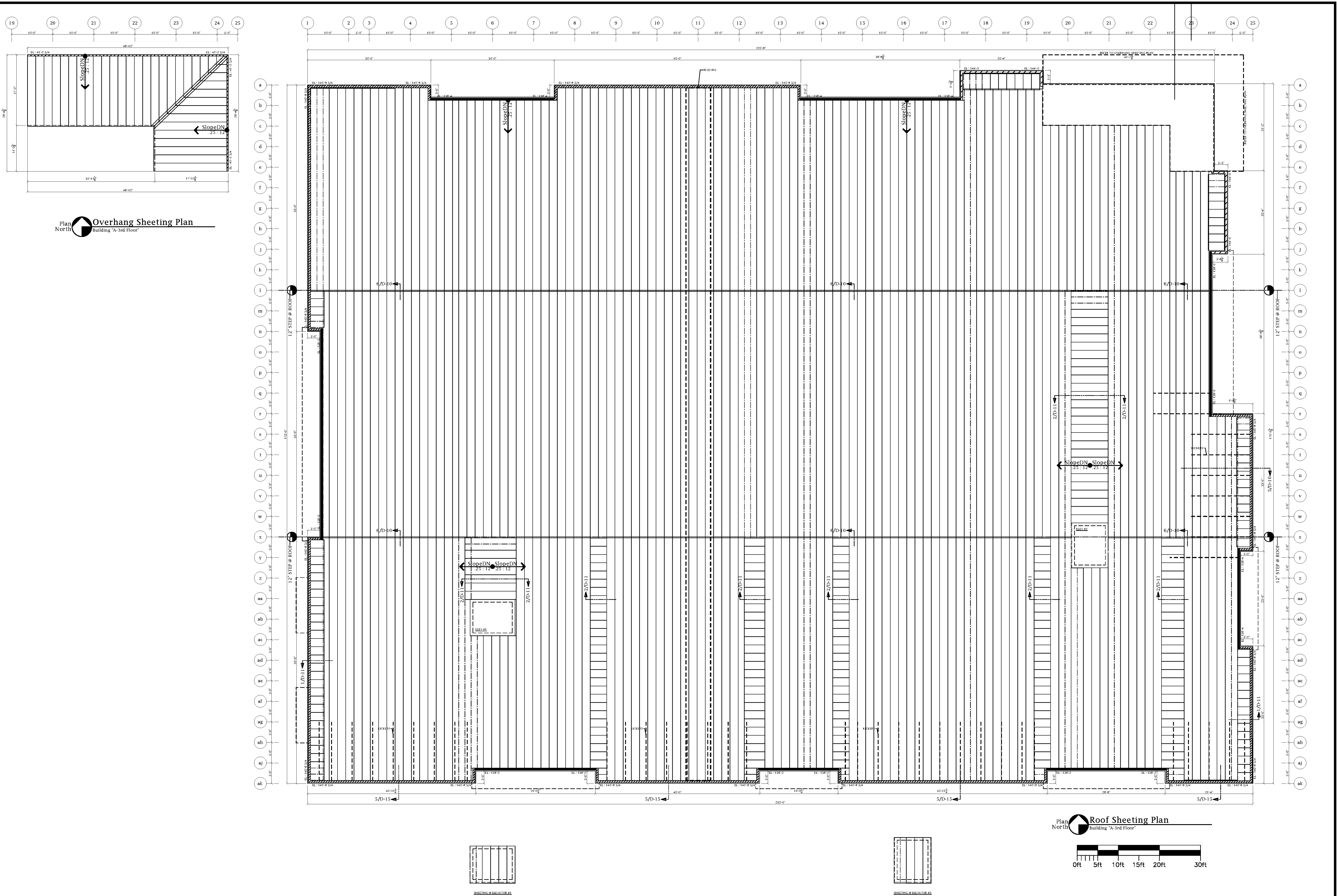
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0	07-22-20	Review Set	RG
1	07-29-20	Review Set	RG
2	07-30-20	Review Set	RG
3	08-01-20	Review Set	RG

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**RBS-A1.12**

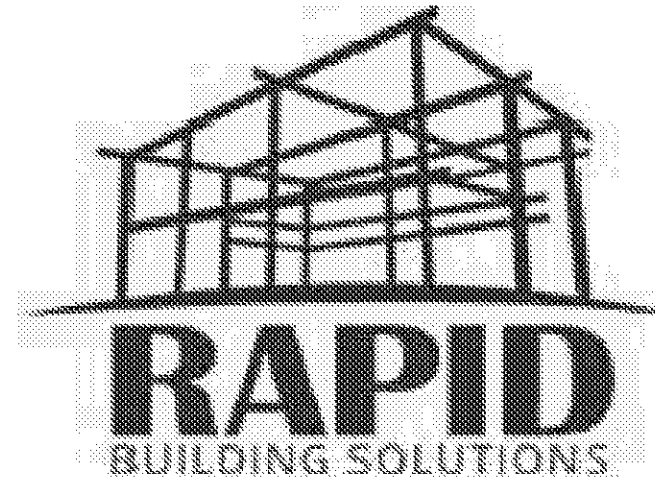


Plan North  
**Overhang Sheeting Plan**  
Building 'A' 3rd Floor

Plan North  
**Roof Sheeting Plan**  
Building 'A' 3rd Floor

SHAPE	C1	C2	C3	C4	C5	BC1	BC2	BC3	BC4	TC1	TC2	TC3	TC4	TC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	UP1	UP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1	
Web	1 5/8"	4"	4"	4"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIABLES	VARIABLES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"		
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"			
GA.	18	12	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	16	12	16	18	16	26	29	18	16	16	16	16	12	12	12		
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP

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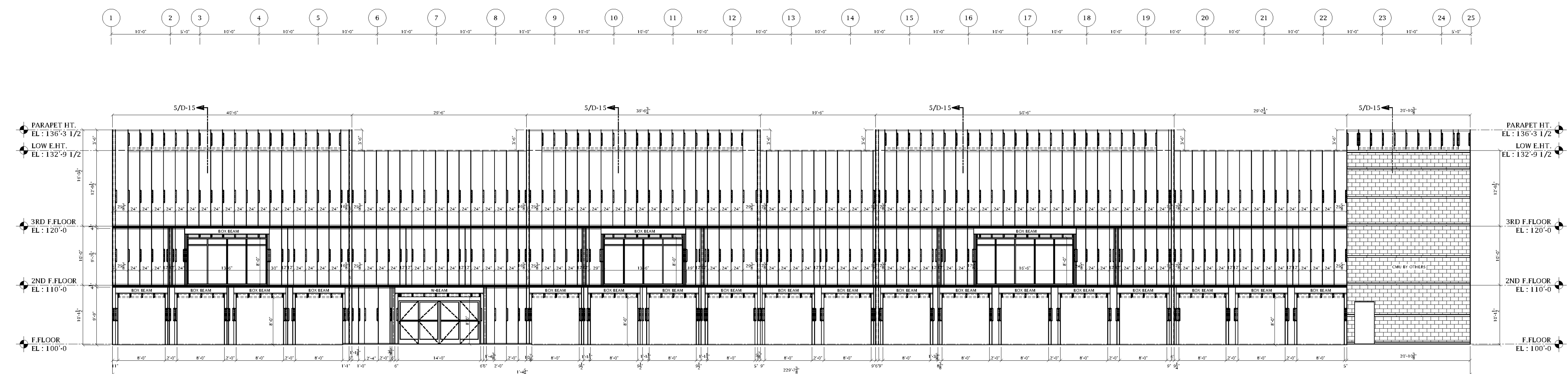
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1	07-29-20	Review Set	RG
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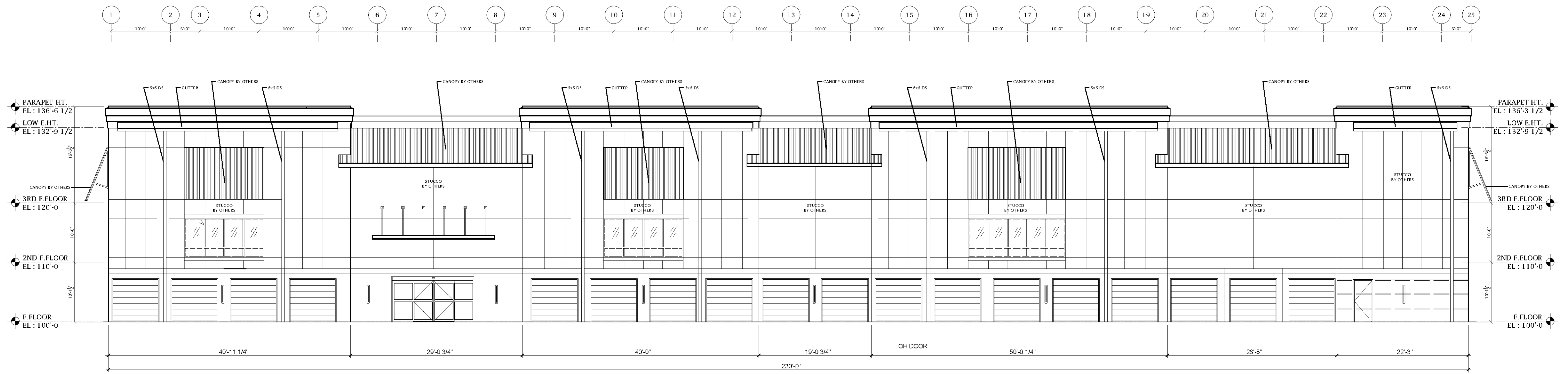
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**RBS-A2.1**



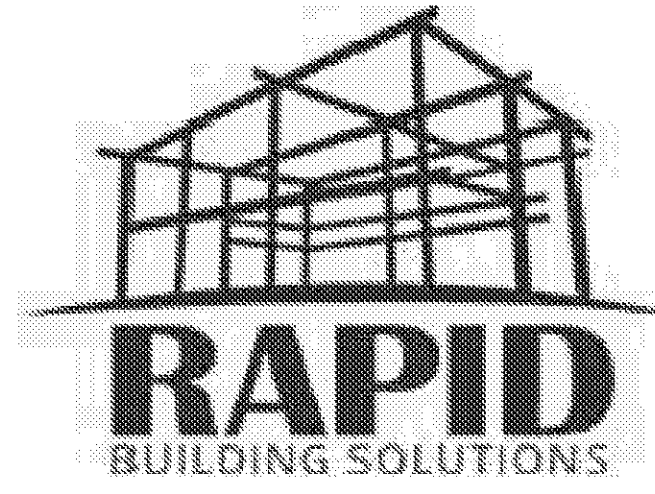
**1 Framing @ South Elevation**  
Building 'A'



**2 Sheeting @ South Elevation**  
Building 'A'

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SHAPE	C	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	C	C	RRU	RRU	2VL	U	L	C	C	L	L	L		
Web	1 5/8"	4"	4"	4"	6"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"		
GA.	18	12	14	16	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	16	12	16	18	26	29	18	16	16	16	16	12	12	12	
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP

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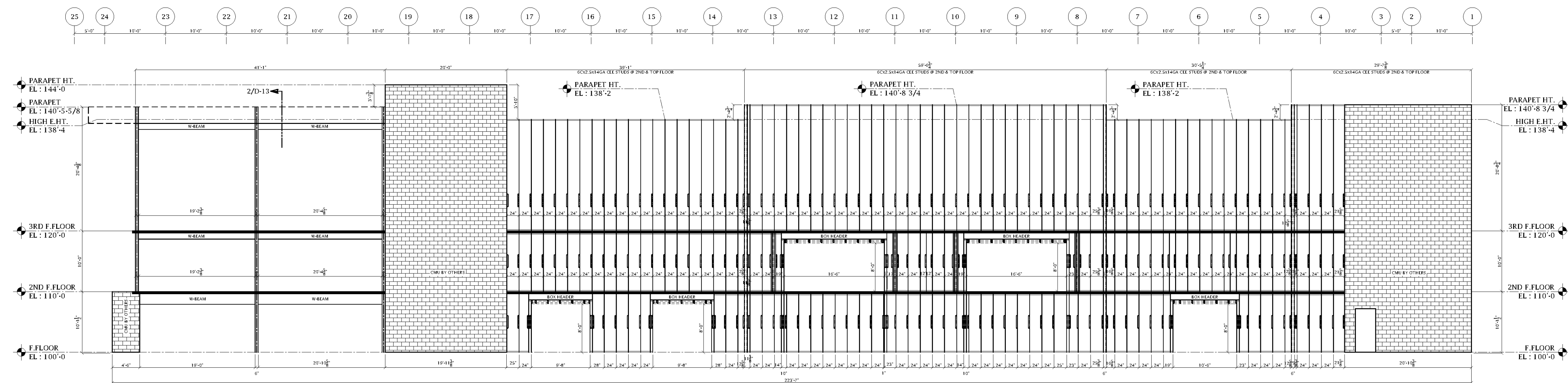
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0	07-22-20	Review Set	RG
1	07-29-20	Review Set	RG
2	07-30-20	Review Set	RG
3	08-01-20	Review Set	RG

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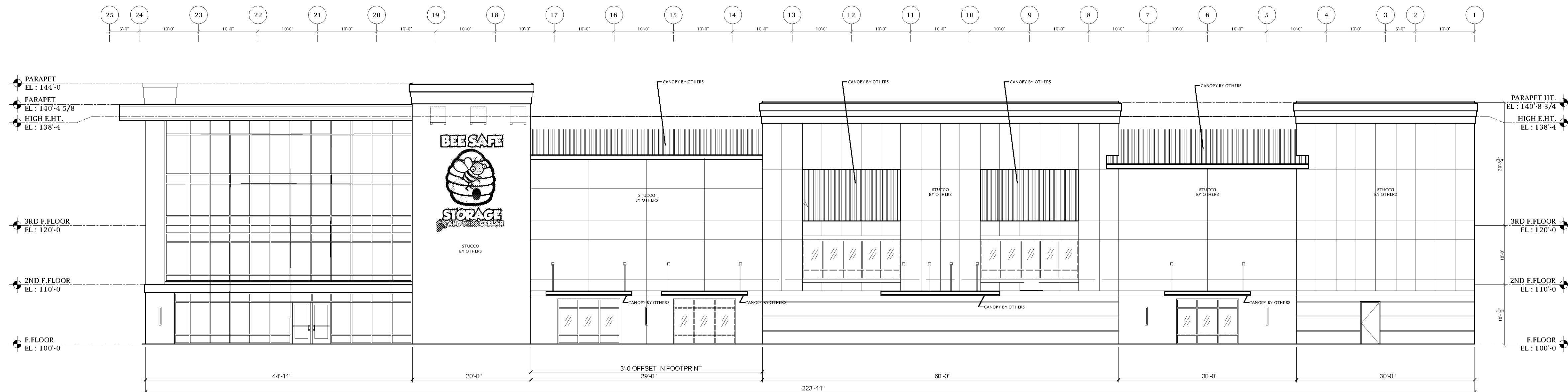
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**RBS-A2.2**



**3 Framing @ North Elevation**  
Building 'A'



**4 Sheeting @ North Elevation**  
Building 'A'

	C5	C1	C2	C3	C4	C5	BC1	BC2	BC3	BC4	TC1	TC2	TC3	TC4	TC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	UP1	UP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1
SHAPE	C	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	C	C	RRU	RRU	2VL	U	L	C	C	L	L	L		
Web	1 5/8"	4"	4"	4"	6"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"		
GA.	18	12	14	16	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	16	12	16	18	16	26	29	18	16	16	16	16	12	12	
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP

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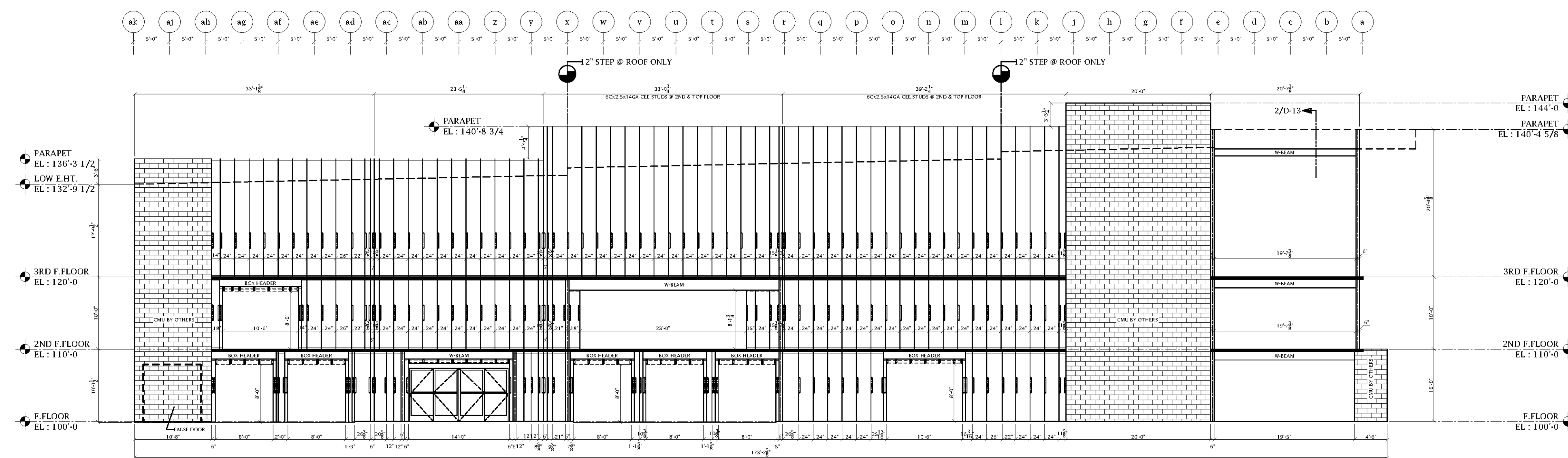
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1	07-29-20	Review Set	RG
2	07-30-20	Review Set	RG
3	08-01-20	Review Set	RG

ISSUE DATE: June 09, 2020  
DESIGNED BY: RBS DRAWN BY: RBS-JL  
CHECKED BY: RBS SUBMITTED BY: JZ

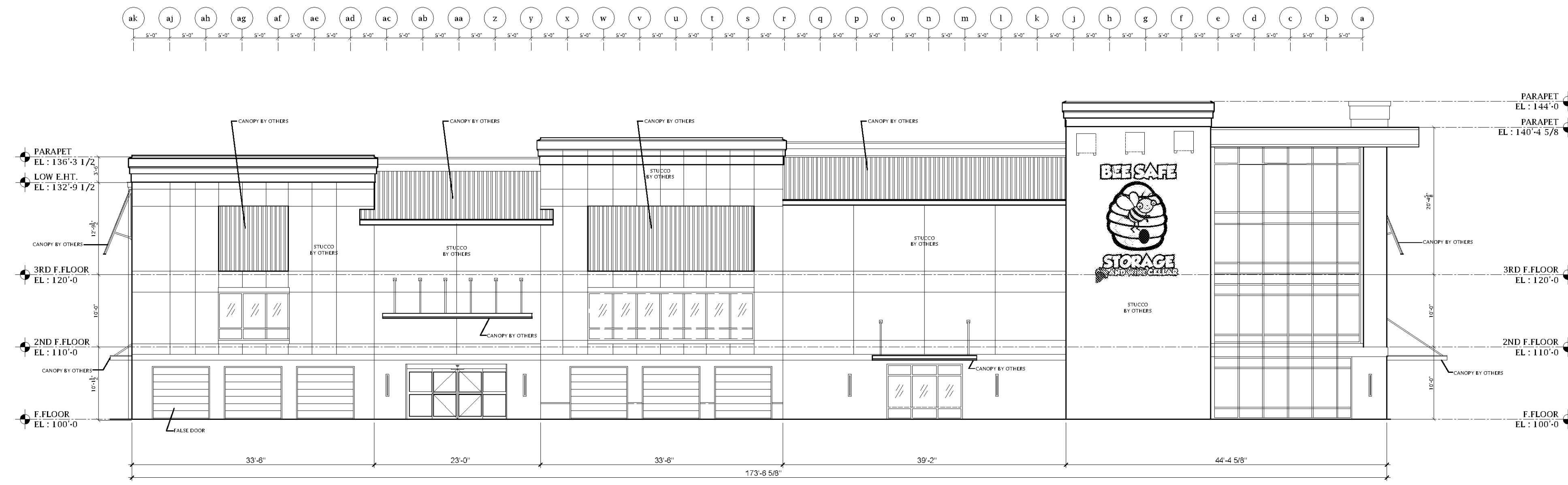
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INITIALS OF GC/OWNER

**RBS-A2.3**



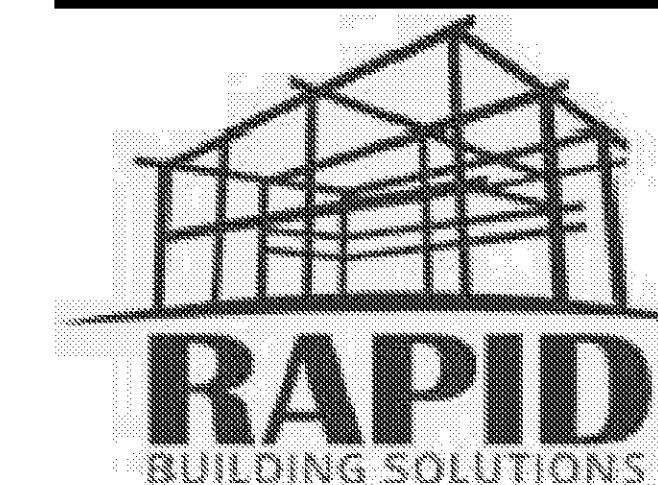
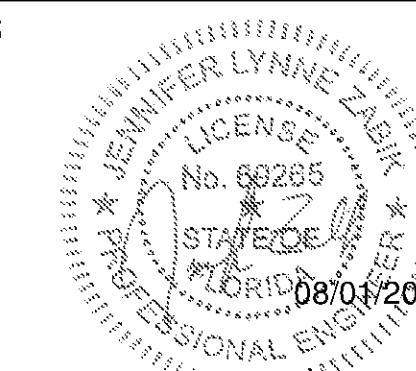
**5 Framing @ East Elevation**  
Building 'A'



**6 Sheeting @ East Elevation**  
Building 'A'

	CS	C1	C2	C3	C4	C5	BC1	BC2	BC3	BC4	TC1	TC2	TC3	TC4	TC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	UP1	UP2	FD	ES1	RS	G1	G2	GC1	GC2	CL1
SHAPE	C	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	C	C	RRU	RRU	RRU	RRU	2VL	U	L	C	C	L	L	L	
Web	1 5/8"	4"	4"	4"	6"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIABLES	VARIABLES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"	
GA.	18	12	14	16	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	16	12	16	18	16	26	29	18	16	16	16	16	12	12	12
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP

SEALS



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Stuart, Florida

**JOB NUMBER:**  
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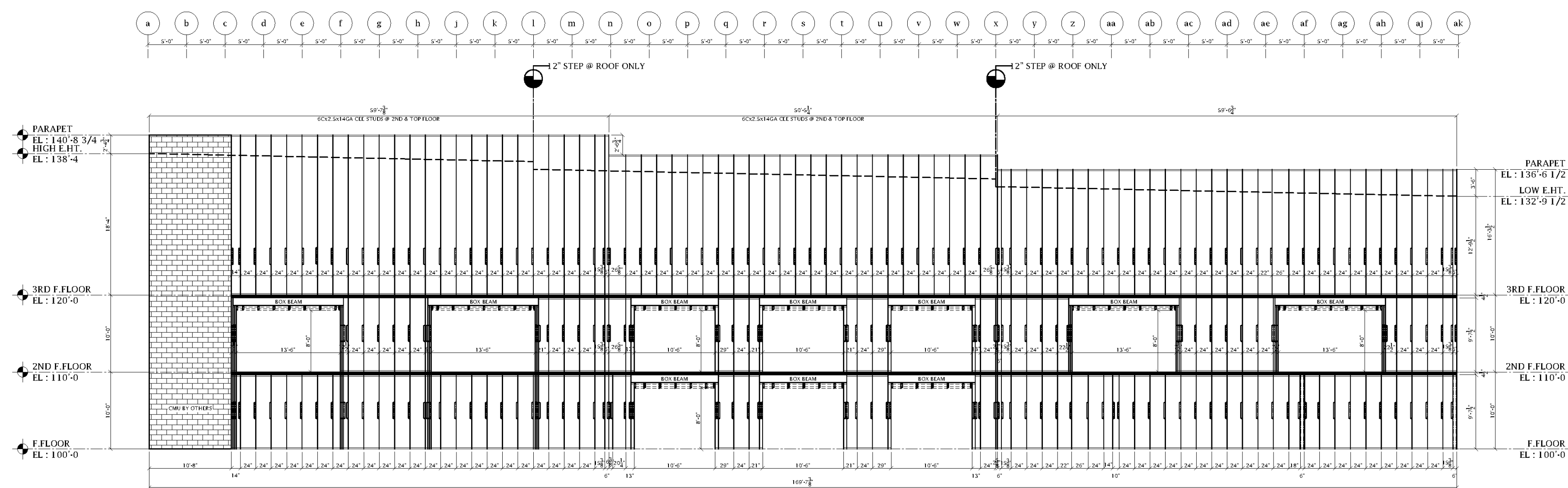
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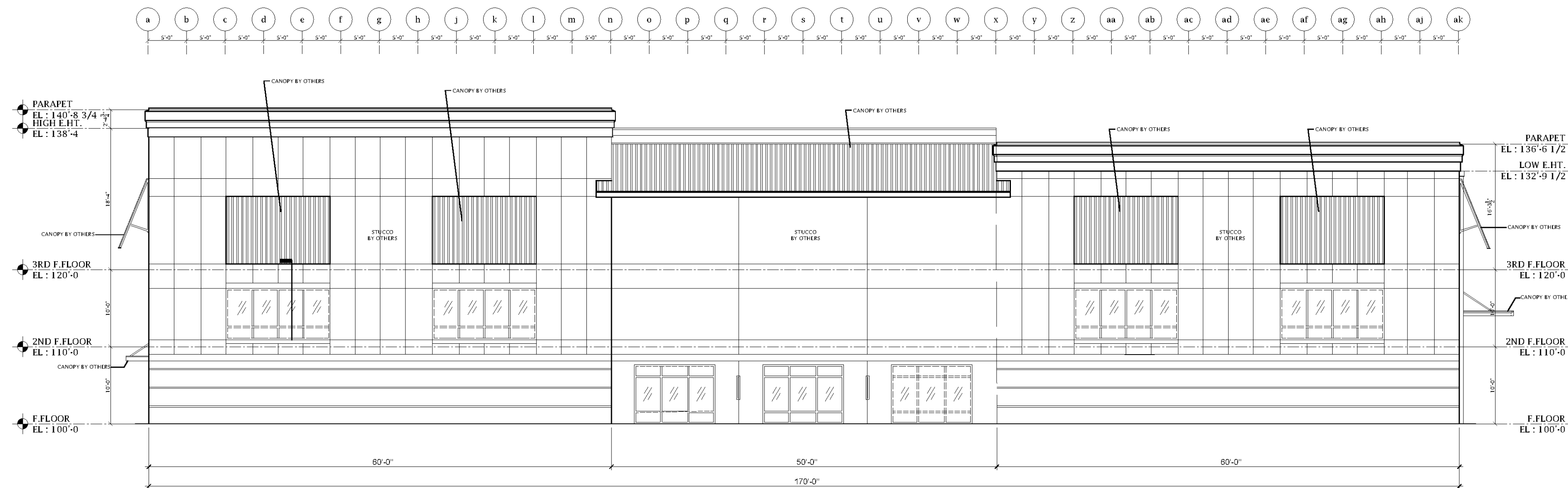
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INITIALS OF GC/OWNER

**RBS-A2.4**



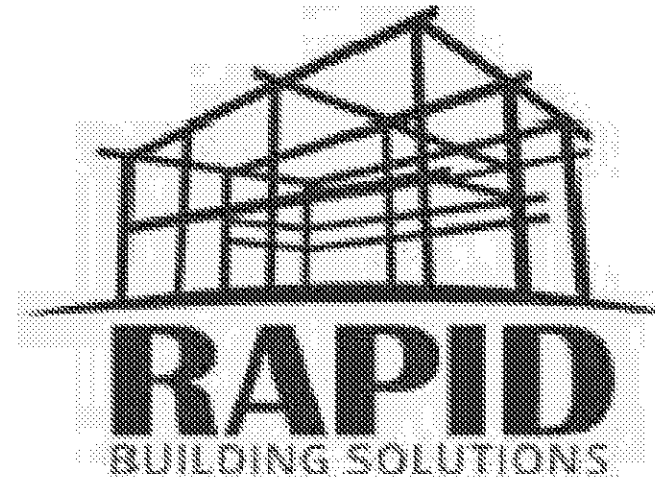
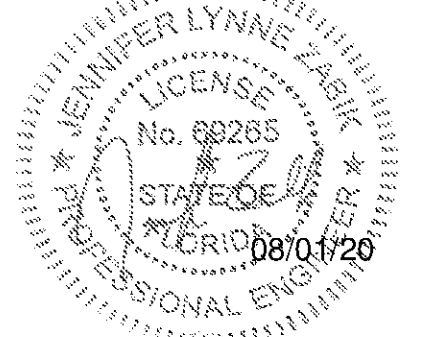
**7 Framing @ West Elevation**  
Building "A"



**8 Sheeting @ West Elevation**  
Building "A"

	CS	C1	C2	C3	C4	C5	BC1	BC2	BC3	BC4	TC1	TC2	TC3	TC4	TC5	H1	H2	H3	H4	H5	H6	H7	H8	H9	L1	L2	RC1	Z1	Z2	Z3	BH1	BH2	SH	SP	UP1	UP2	FD	ES1	ES	G1	G2	GC1	GC2	CL1
SHAPE	C	C	C	C	C	C	U	U	U	U	U	U	U	U	U	C	C	C	C	C	C	C	C	L	L	U	Z	Z	Z	C	C	RRU	RRU	2VL	U	L	C	C	L	L	L			
Web	1 5/8"	4"	4"	4"	6"	6"	4"	4"	6"	6"	4"	4"	4"	6"	6"	6"	6"	8"	8"	8"	12"	12"	12"	3 1/2"	4 1/2"	4"	4"	6"	8"	8"	N/A	VARIES	VARIES	36"	36"	36"	4"	3	4"	6"	4"	6"	6"	
Flg	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3 1/2"	4 1/2"	3"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	N/A	3 3/4"	4 3/4"	N/A	N/A	N/A	2 1/2"	3	2 1/2"	2 1/2"	N/A	N/A	3"		
GA.	18	12	14	16	14	16	14	16	14	16	12	14	16	14	16	12	14	16	12	14	16	12	14	14	3/8	12	16	16	16	18	16	26	29	18	16	16	16	16	16	12	12	12		
USAGE	CHANNEL SECTION	STUDS	STUDS	STUDS	STUDS	STUDS	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	BOTTOM CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	TOP CHANNEL	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	HEADER	LEDGER	POUR STOP	RECEIVER CHANNEL	PURLIN	PURLIN	PURLIN	BOX HEADER	BOX HEADER	STRUCTURAL HEADER	STRUCTURAL PIER	PARTITION PANEL	PARTITION PANEL	FLOOR DECKING	EAVE STRUT	RAKE SUPPORT	GIRT	GIRT	GIRT CLIP	GIRT CLIP	MASONRY CLIP	

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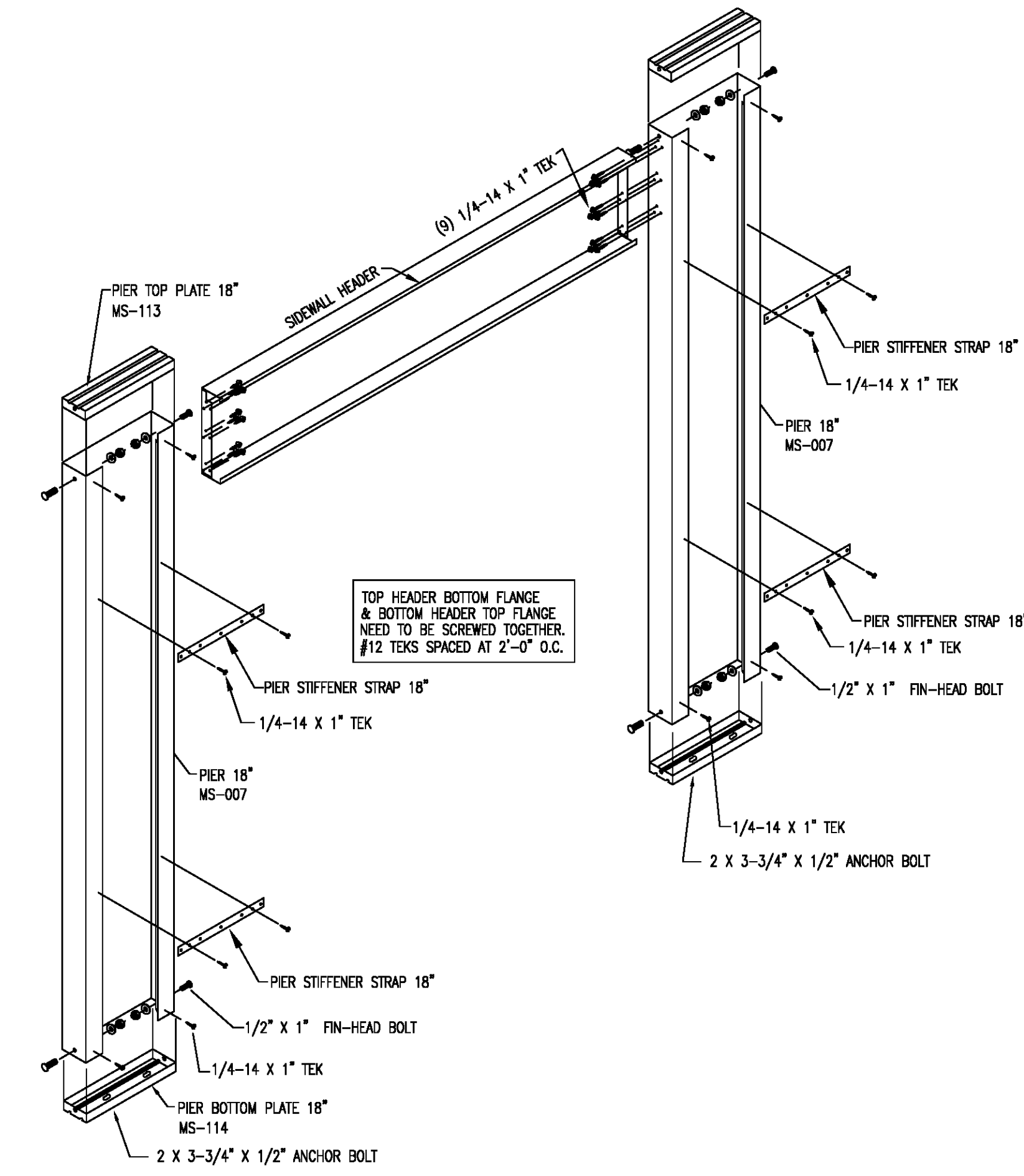
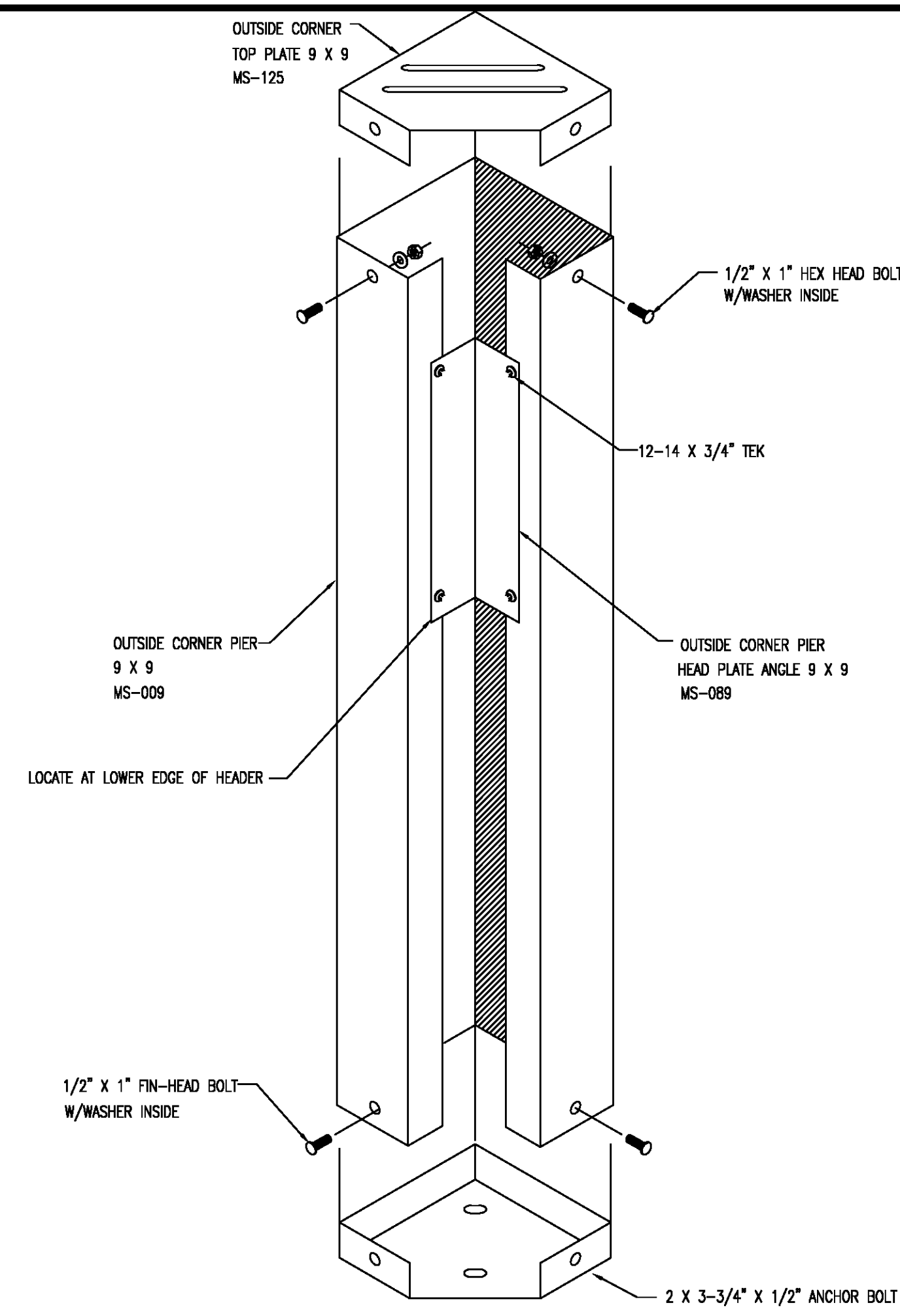
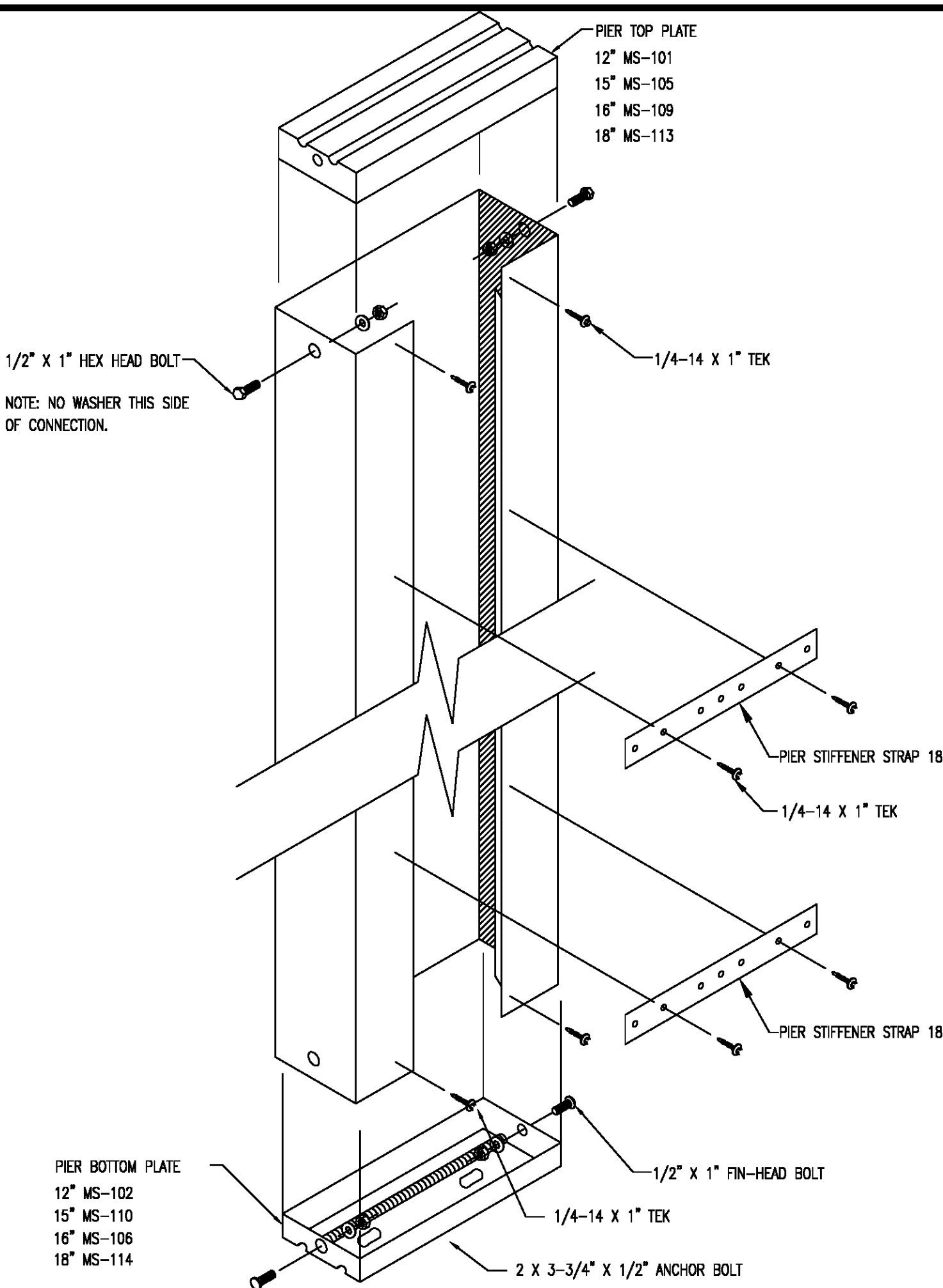
**JOB NUMBER:**  
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1  
D-1

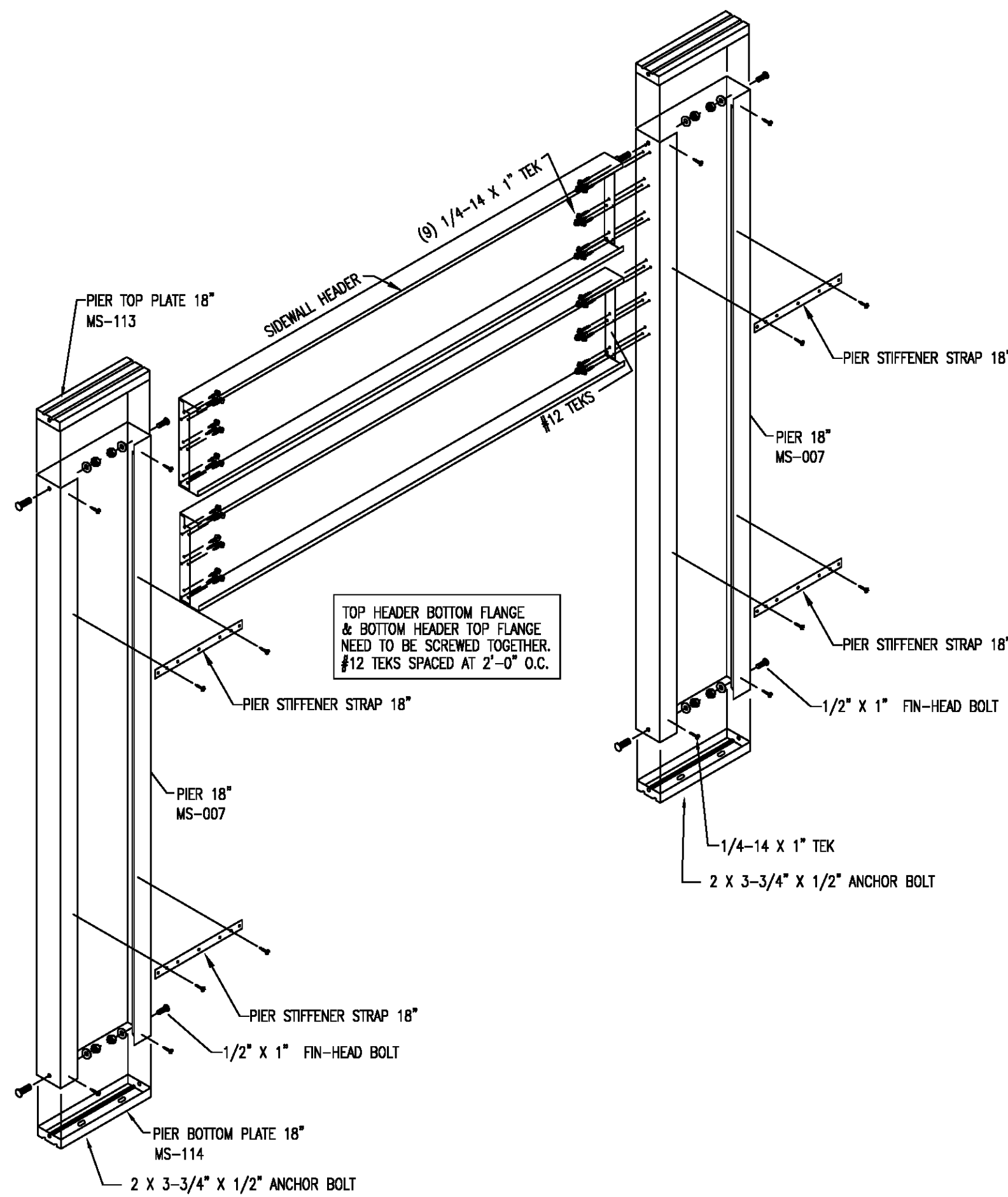
PIER

2  
D-1

9X9 CORNER PIER

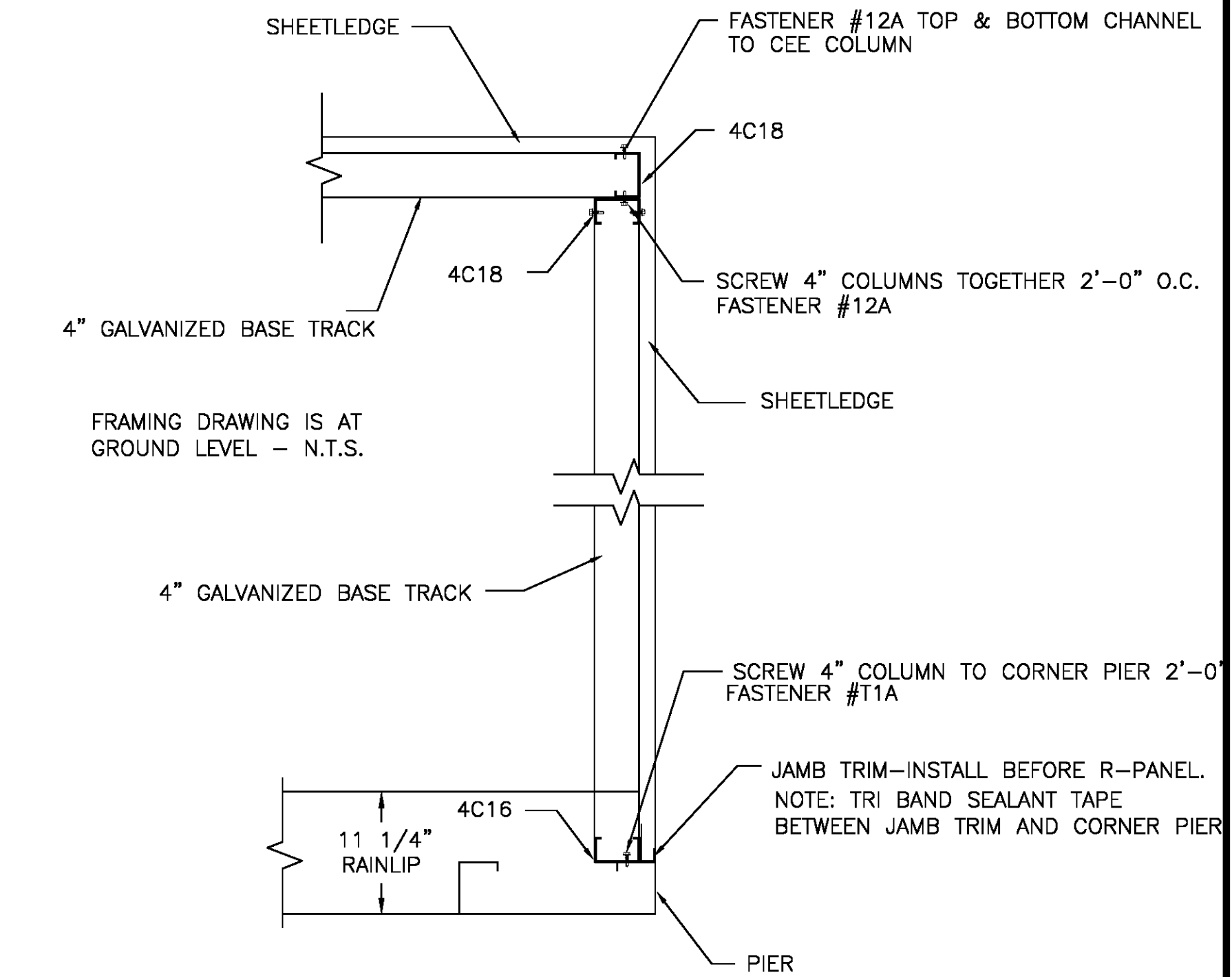
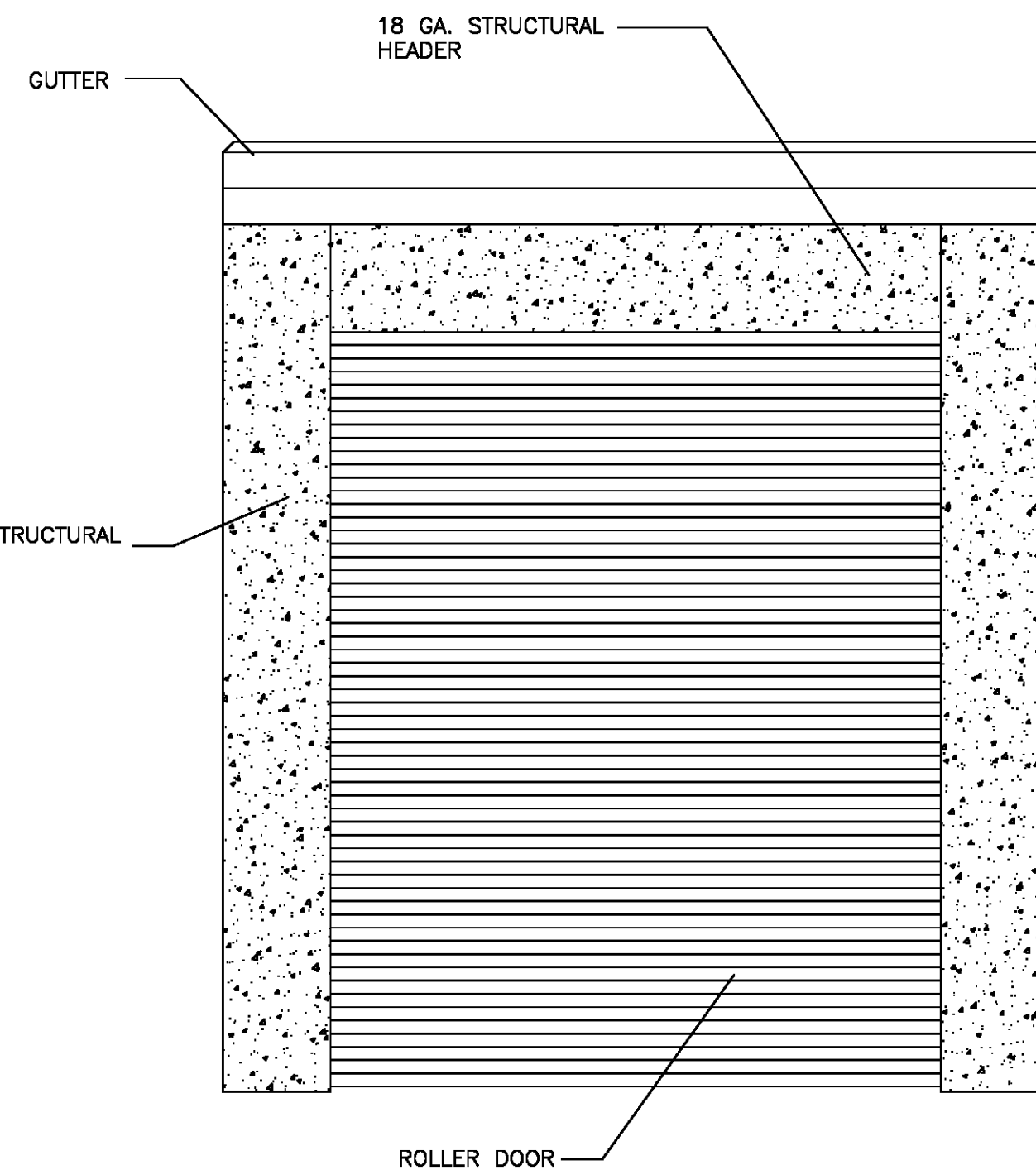
3  
D-1

PIER AND HEADER ASSEMBLY



5  
D-1

PIER WITH PBU HEADERS



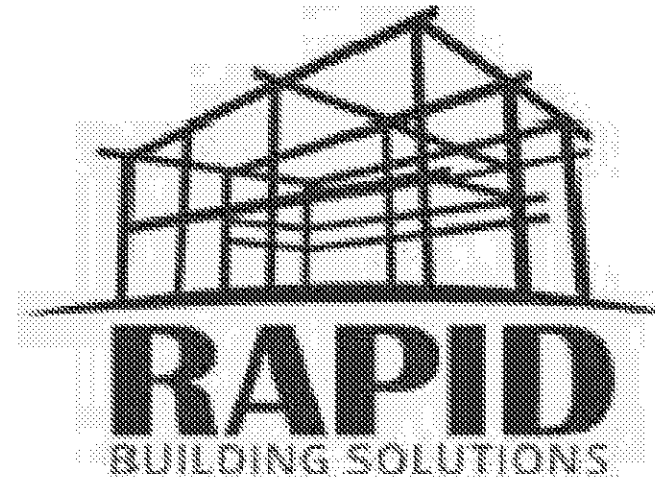
4  
D-1

PIER AND HEADER ASSEMBLY

6  
D-1

PIER AND HEADER SIDE WALL TO paneled END WALL & REAR SIDE WALL

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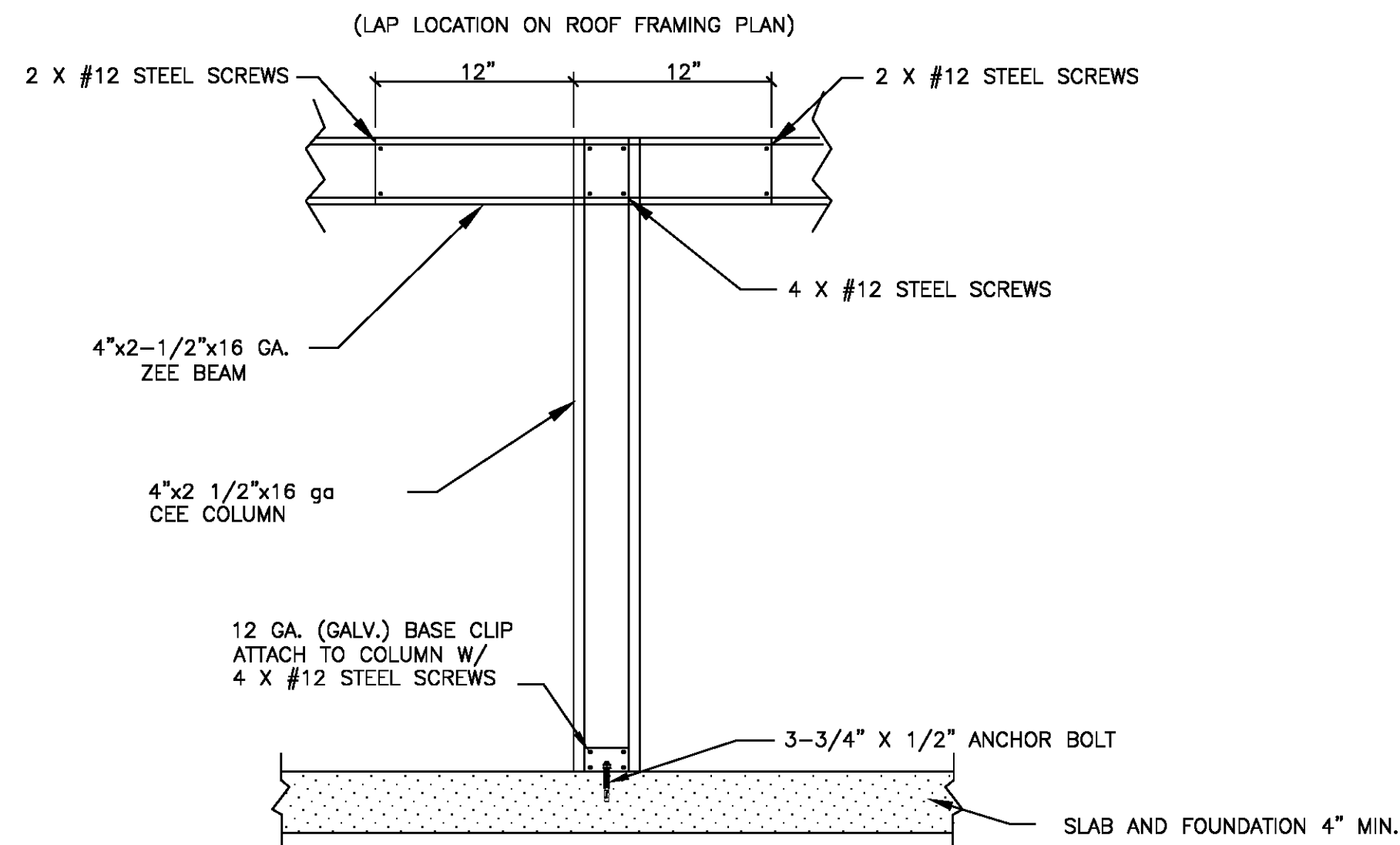
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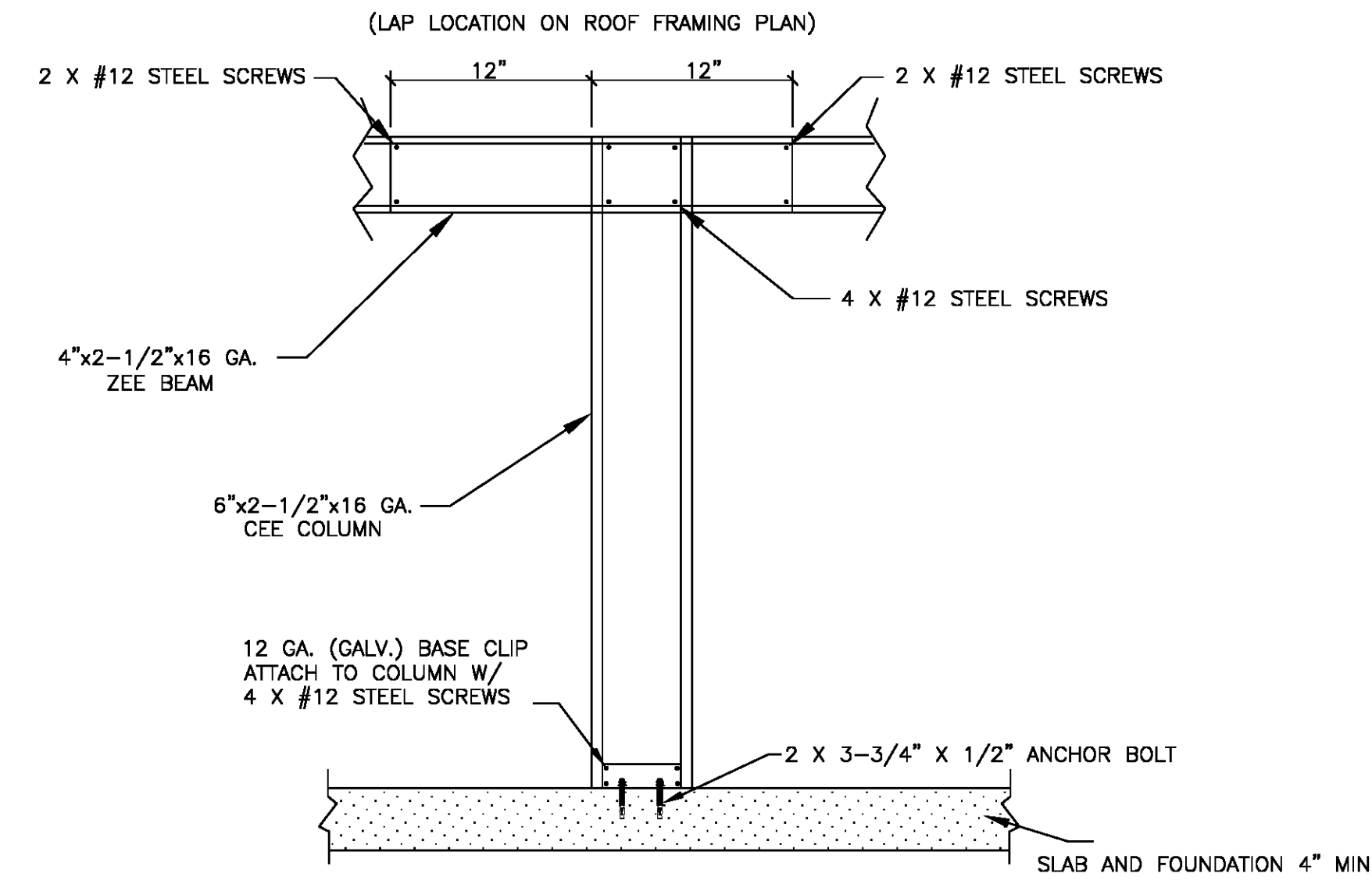
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INITIALS OF GC/OWNER



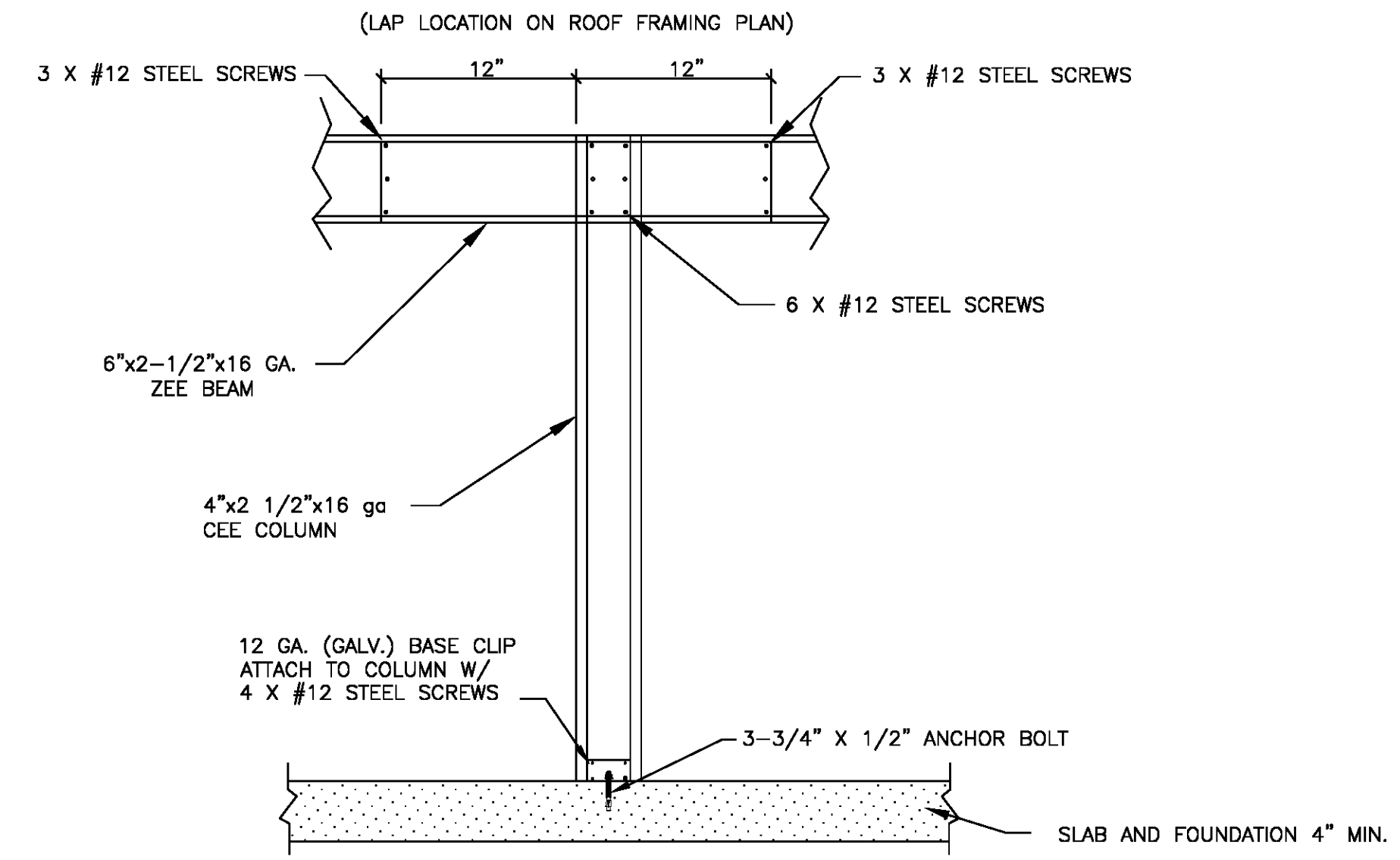
VIEW PERPENDICULAR TO LENGTH OF BUILDING

NOTE: GAUGES MAY CHANGE DUE TO LOAD CONDITIONS



VIEW PERPENDICULAR TO LENGTH OF BUILDING

NOTE: GAUGES MAY CHANGE DUE TO LOAD CONDITIONS



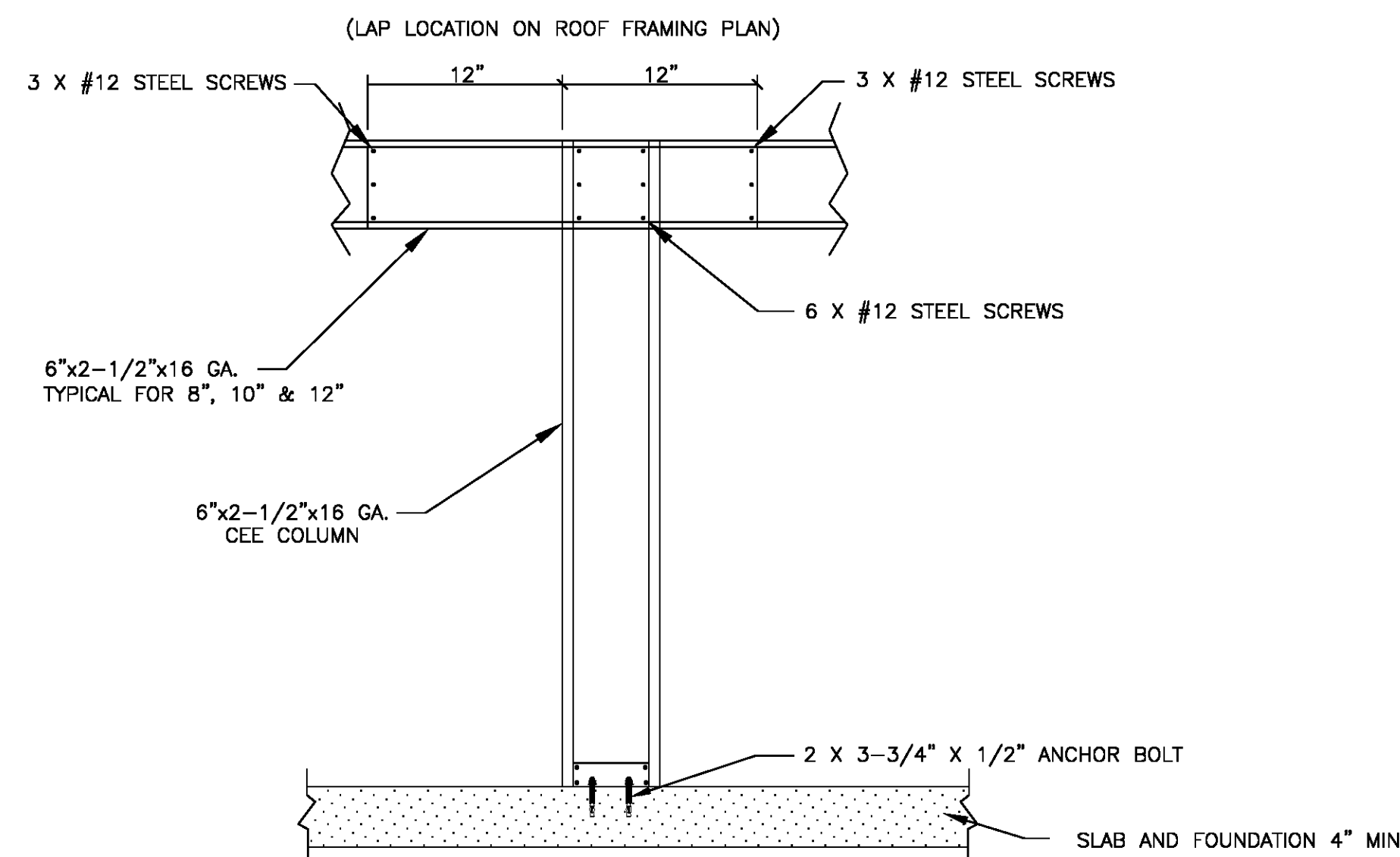
VIEW PERPENDICULAR TO LENGTH OF BUILDING

NOTE: GAUGES MAY CHANGE DUE TO LOAD CONDITIONS

**1** ZEE BEAM LAP COLUMN CONNECTION  
D-2 4" CEE COLUMN & 4" ZEE BEAM

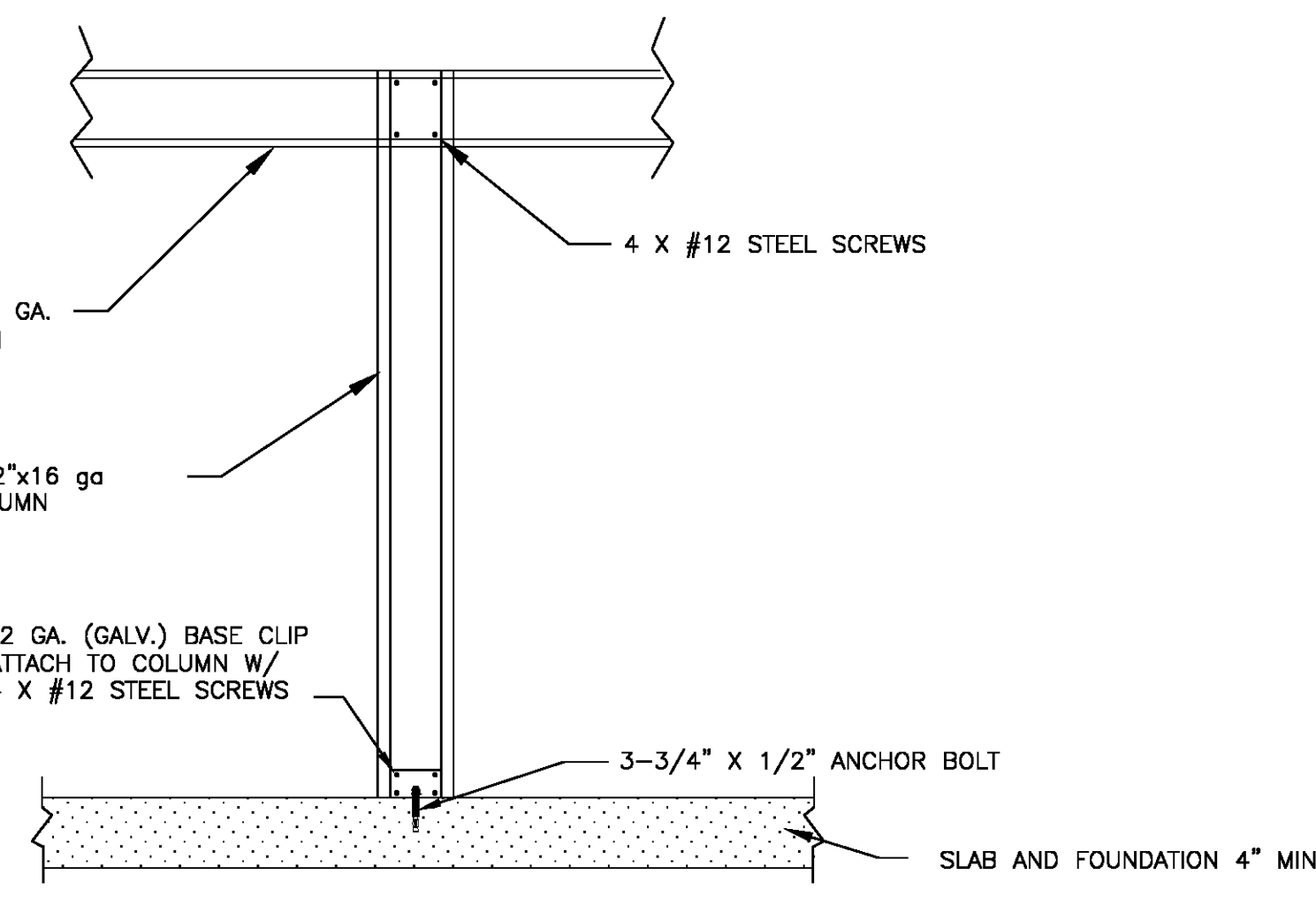
**2** ZEE BEAM LAP COLUMN CONNECTION  
D-2 6" CEE COLUMN & 4" ZEE BEAM

**3** ZEE BEAM LAP COLUMN CONNECTION  
D-2 4" CEE COLUMN & 6" ZEE BEAM



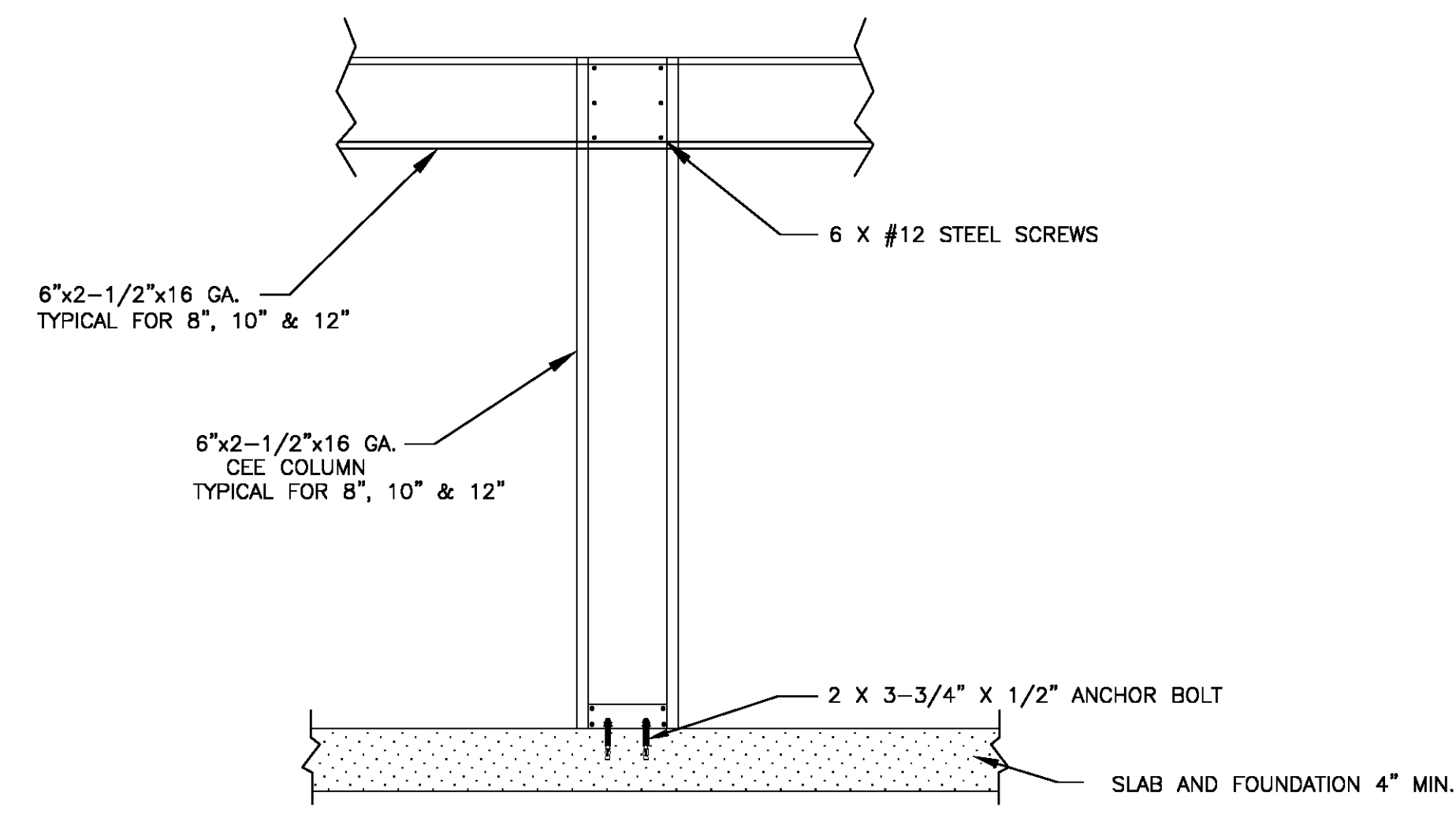
VIEW PERPENDICULAR TO LENGTH OF BUILDING

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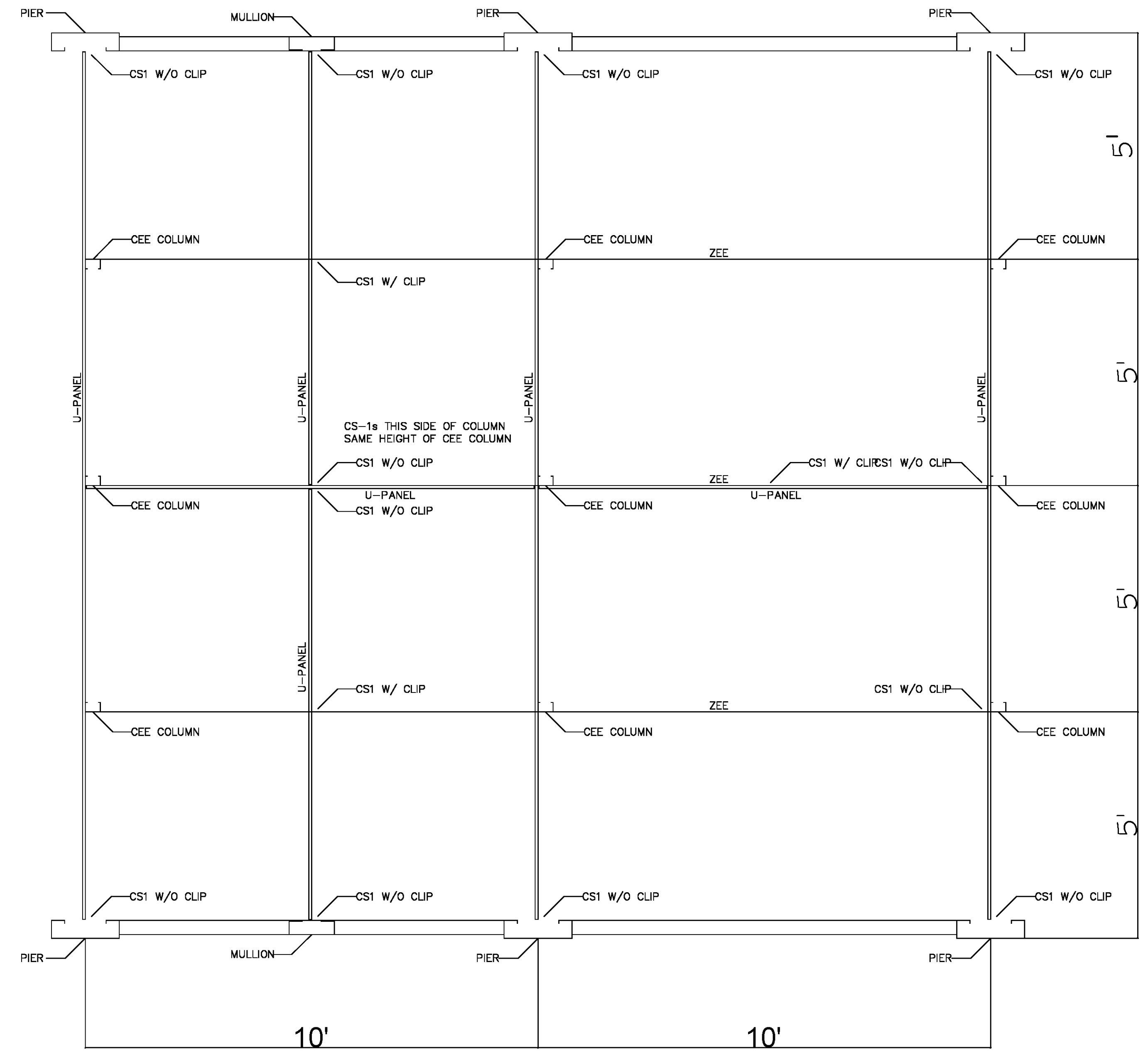
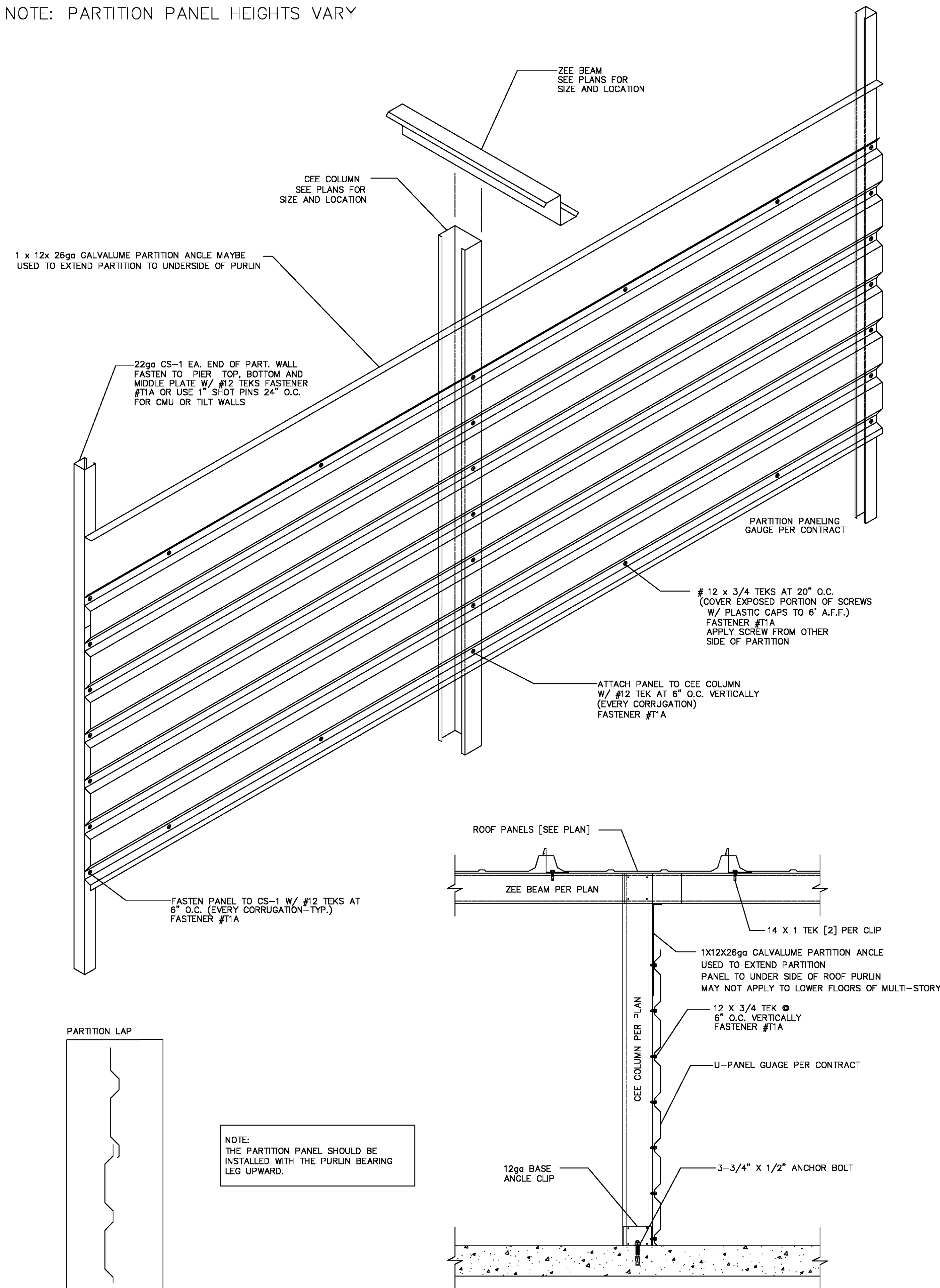
**4** ZEE BEAM LAP COLUMN CONNECTION  
D-2 6" CEE COLUMN & 6" ZEE BEAM

**5** ZEE BEAM CONNECTION  
D-2 4" CEE COLUMN & 4" ZEE BEAM

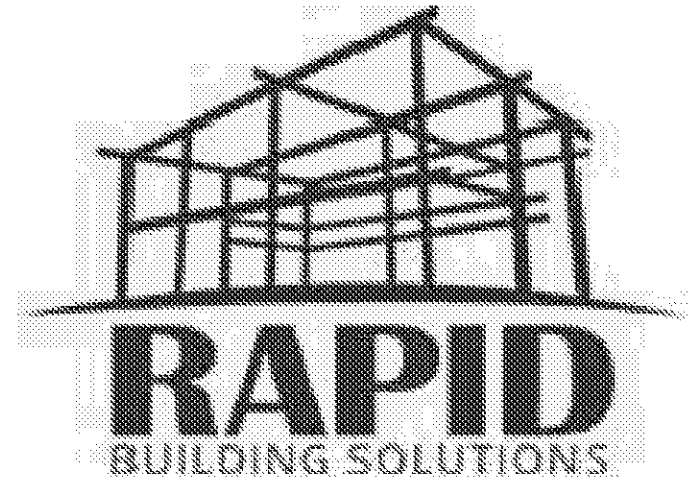
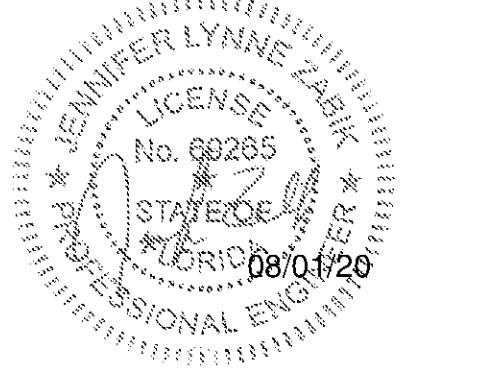
**6** ZEE BEAM LAP COLUMN CONNECTION  
D-2 6" CEE COLUMN & 6" ZEE BEAM



NOTE: PARTITION PANEL HEIGHTS VARY



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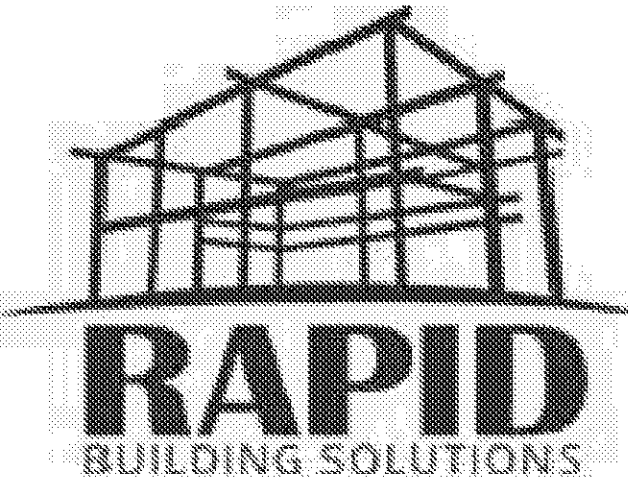
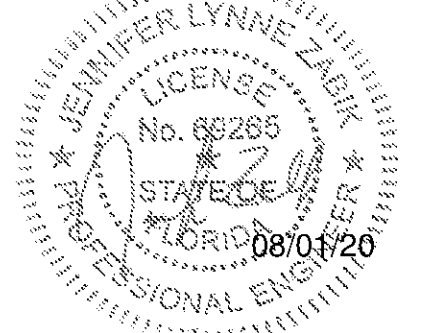
APPROVED FOR PRODUCTION

INITIALS OF GC/OWNER

1  
D-3 PARTITION WALL DETAIL  
PARTITION PANELING - TYPE "U"

2  
D-3 GENERIC FRAMING FOR PARTITIONS  
WITH CROSS PARTITIONS (N.T.S.)

SEALS



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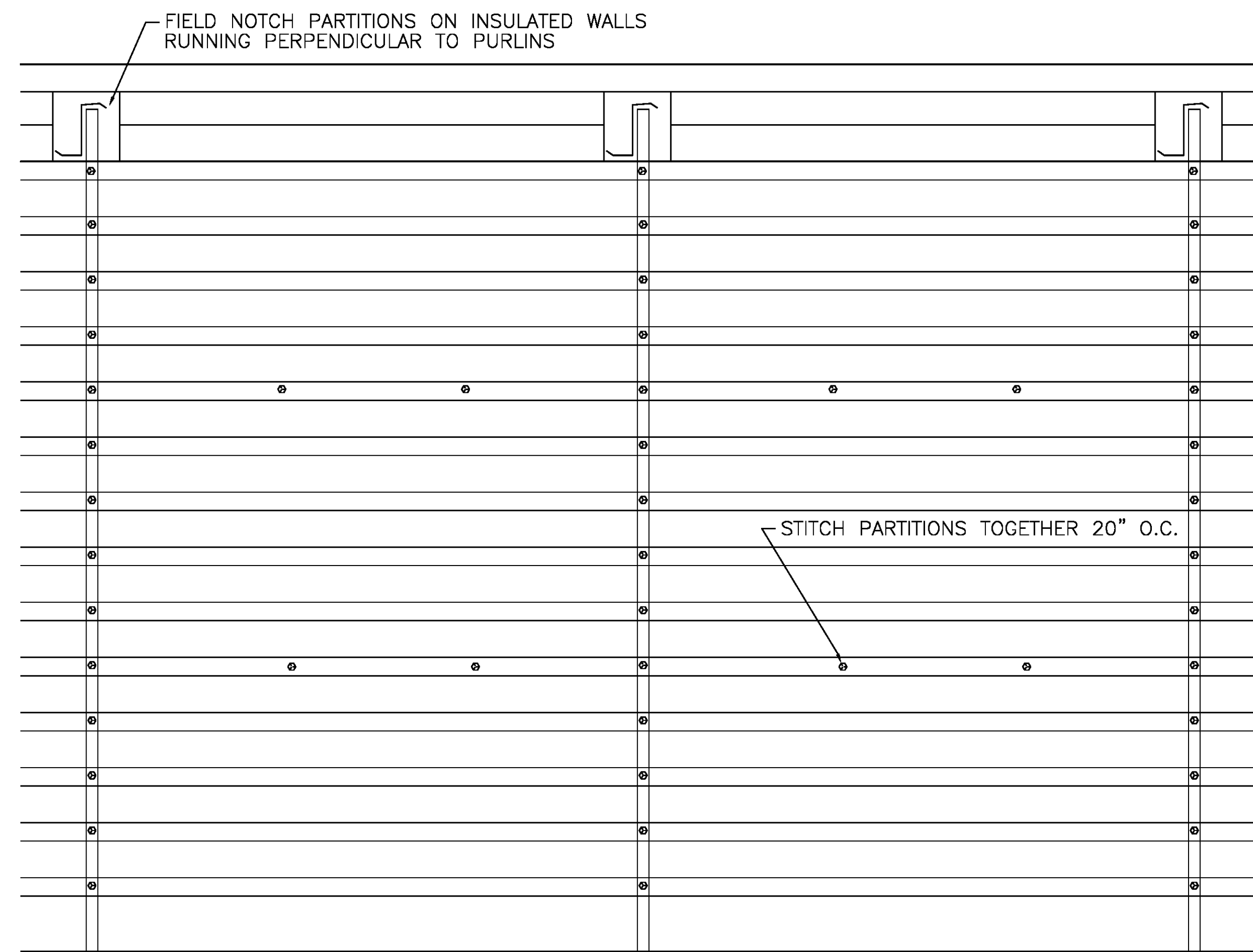
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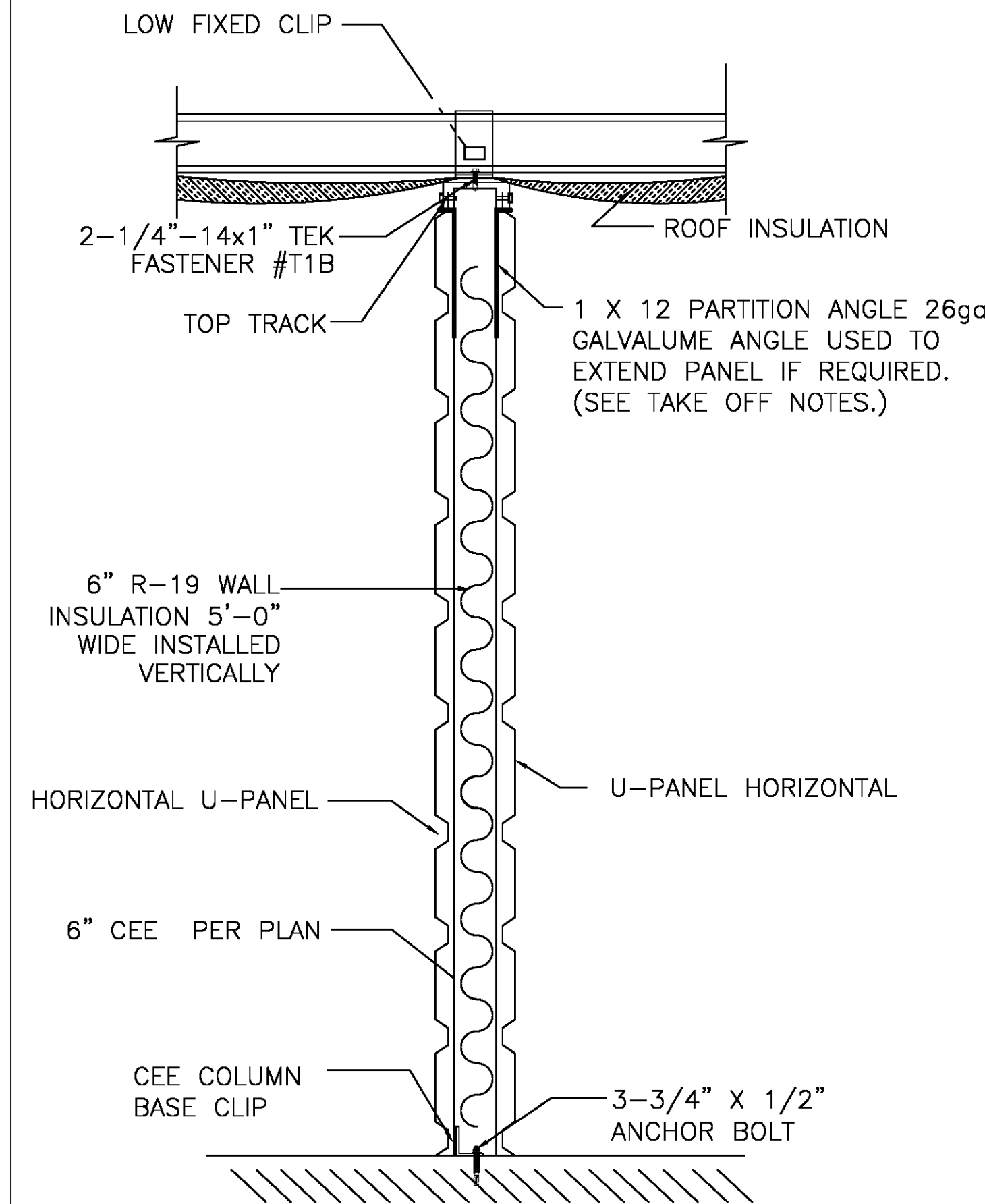
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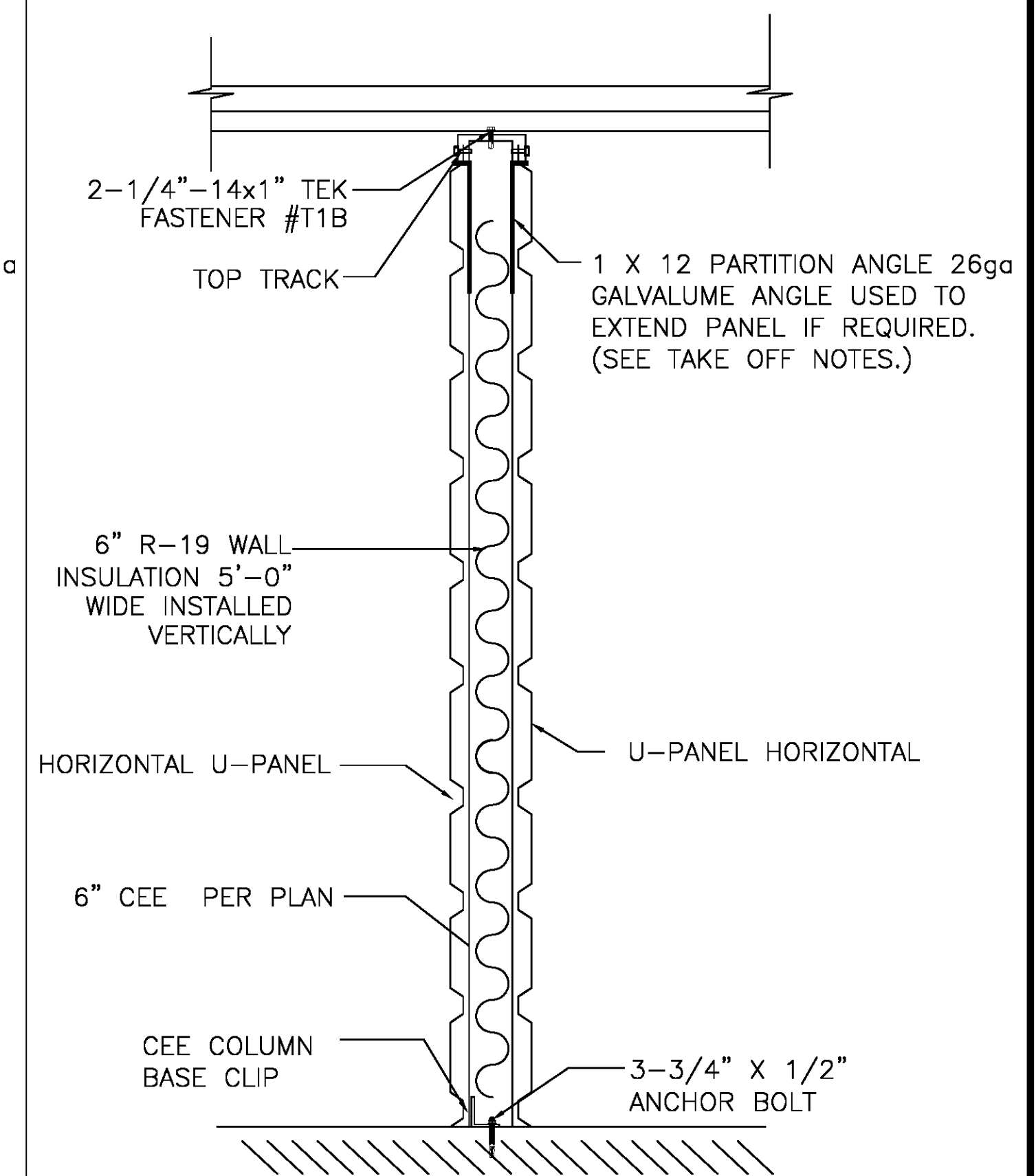
INITIALS OF GC/OWNER



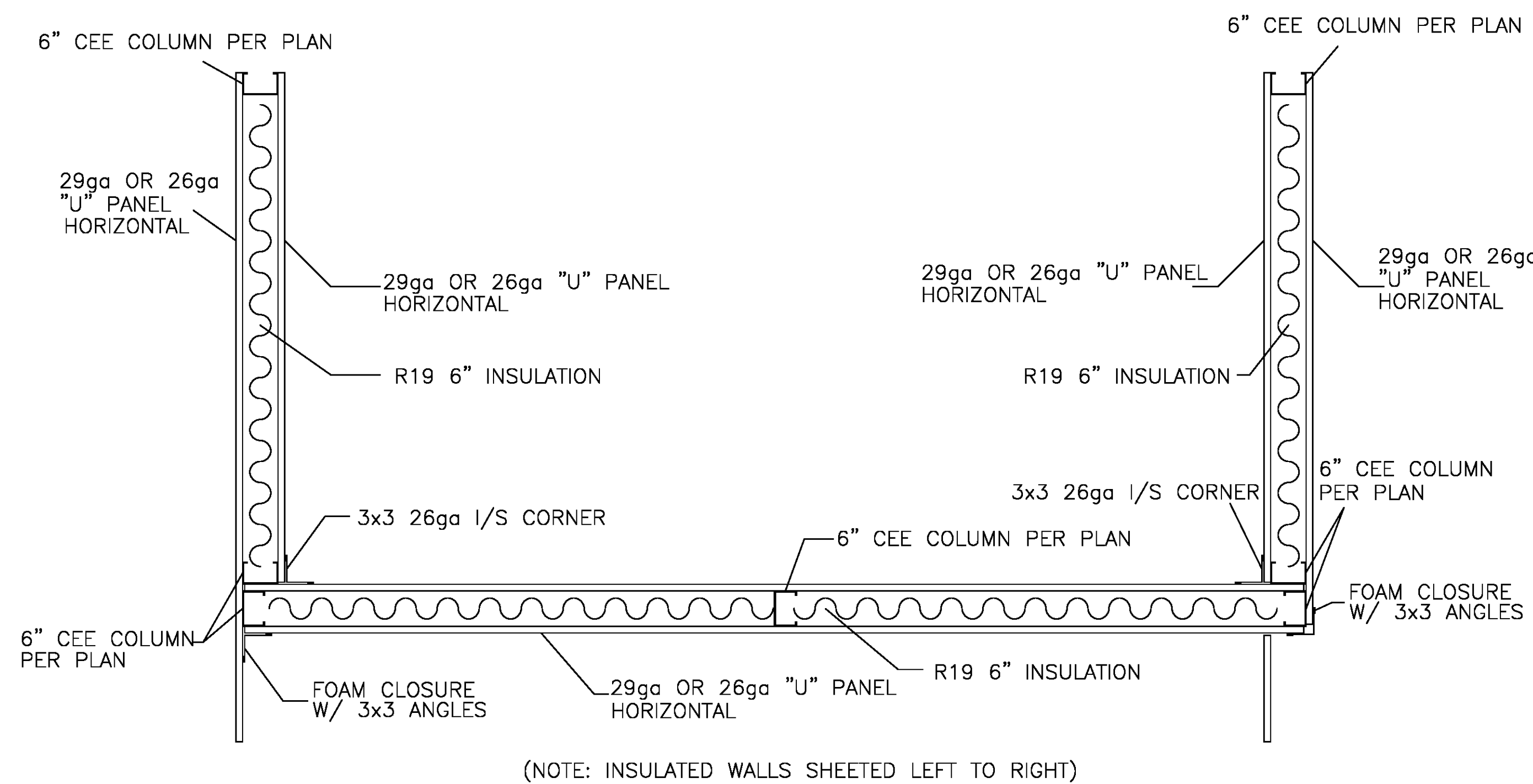
**1**  
D-4 **INTERIOR INSULATED WALL**  
RUNNING PERPENDICULAR TO PURLINS



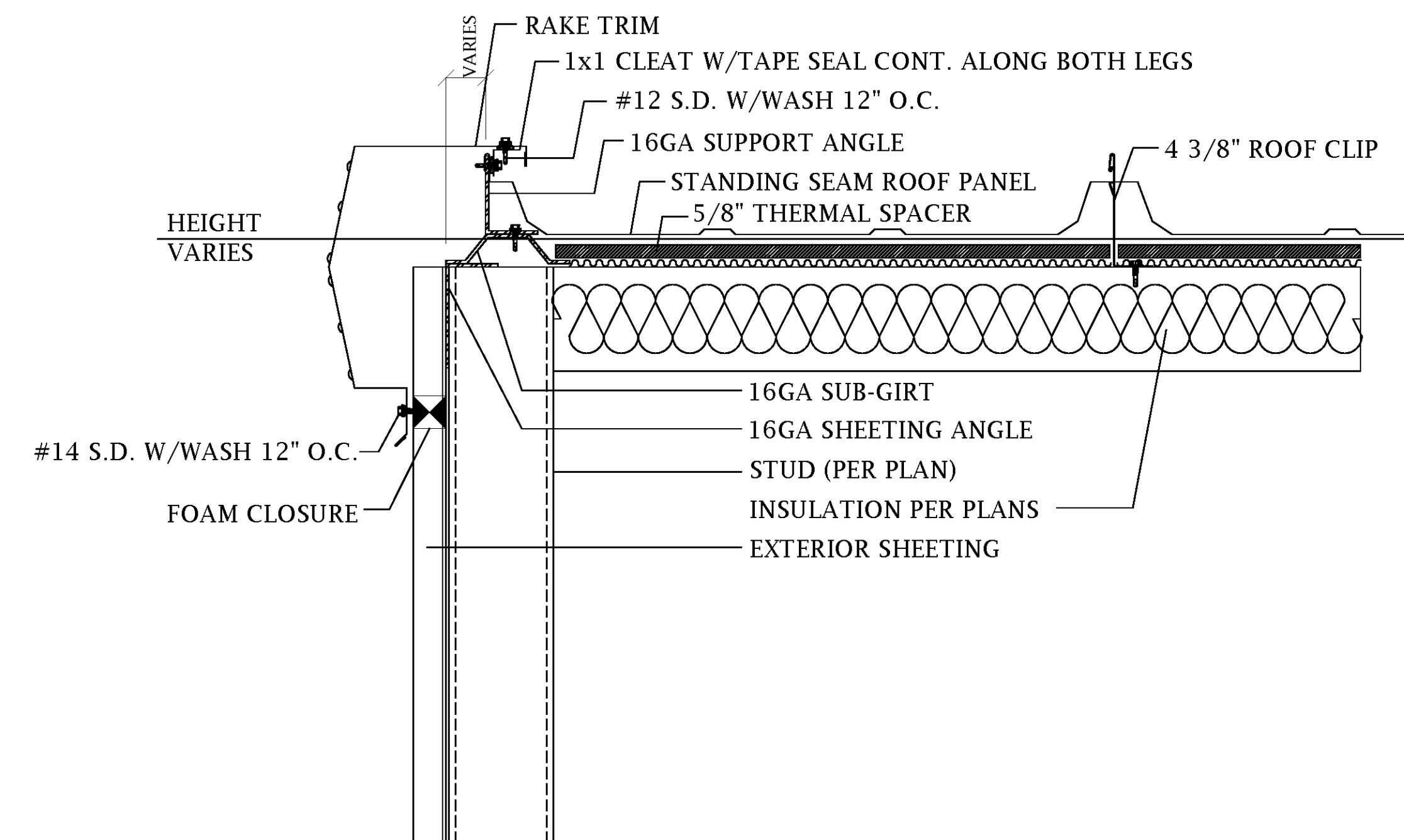
**2**  
D-4 **INTERIOR INSULATED WALL**  
RUNNING WITH PURLINS



**2a**  
D-4 **INTERIOR INSULATED WALL**  
MULTI-STORY

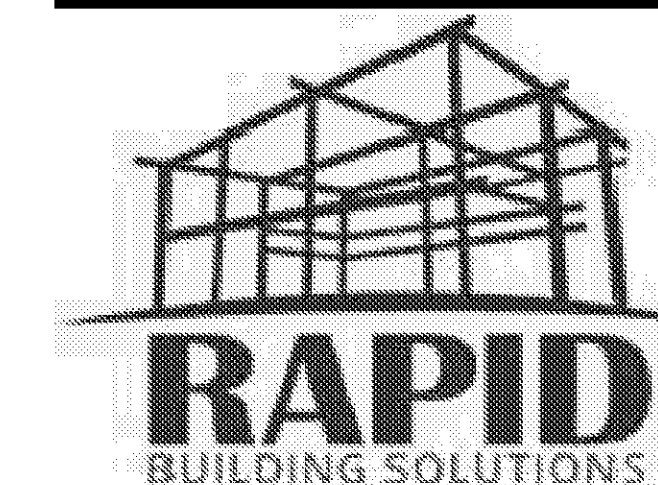
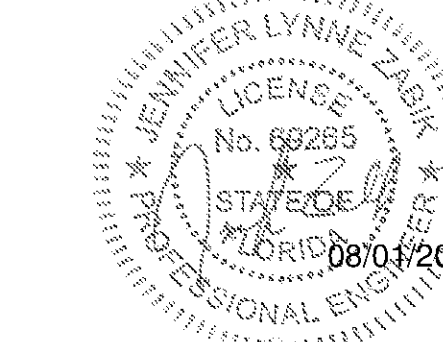


**3**  
D-4 **INSULATED WALL FRAMING**



**4**  
D-4 **INSULATED EXTERIOR WALL FRAMING**

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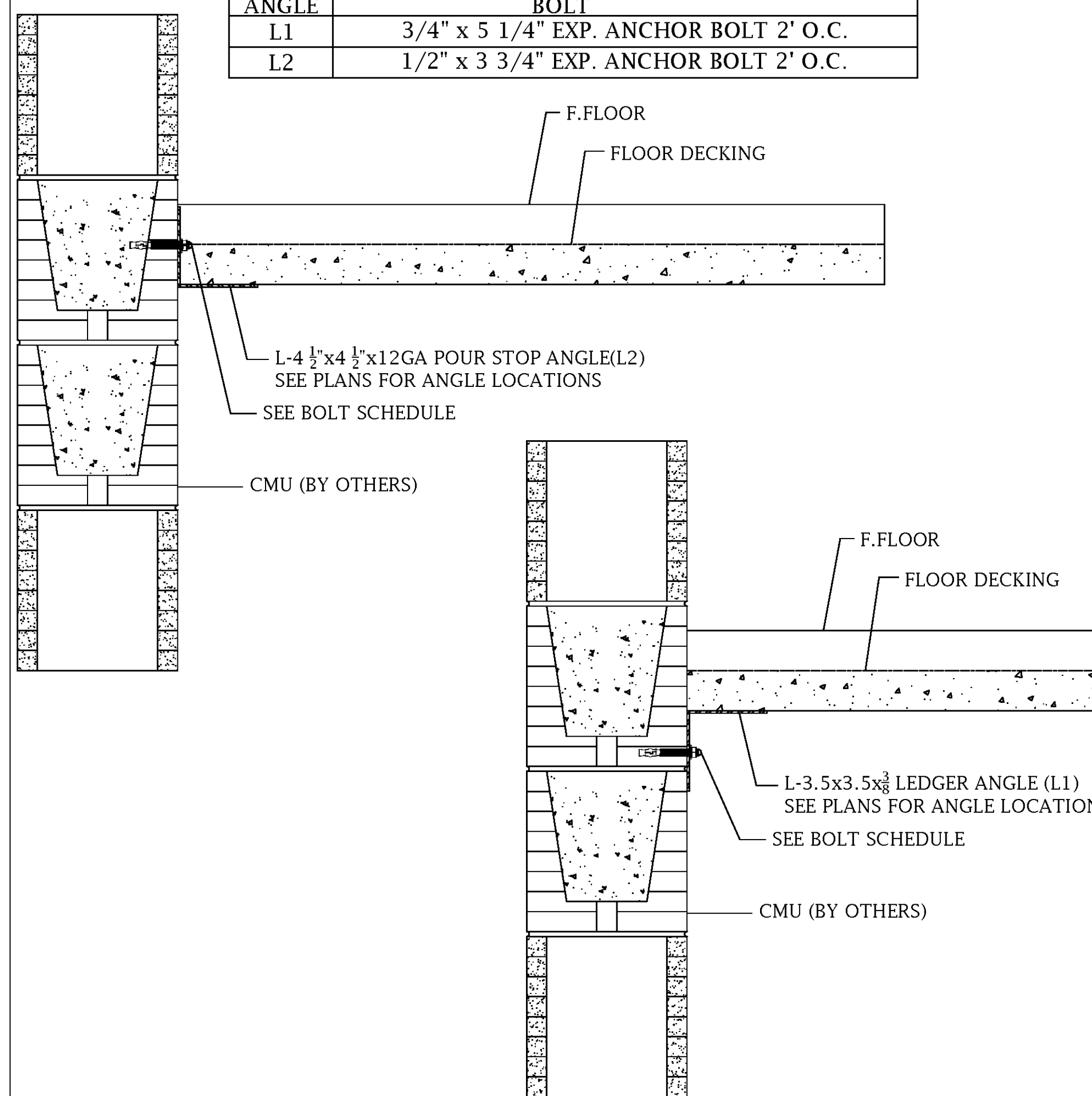
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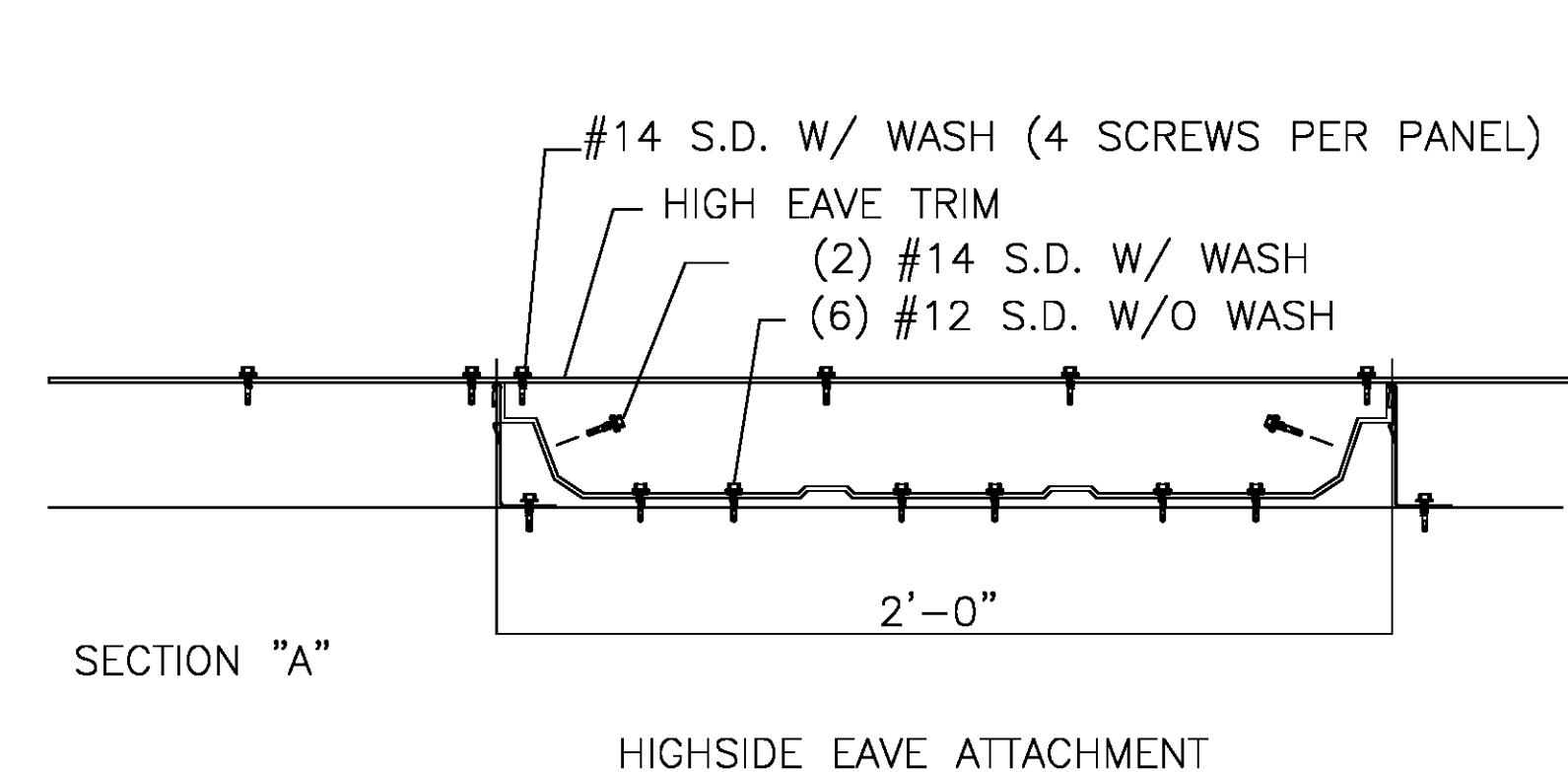
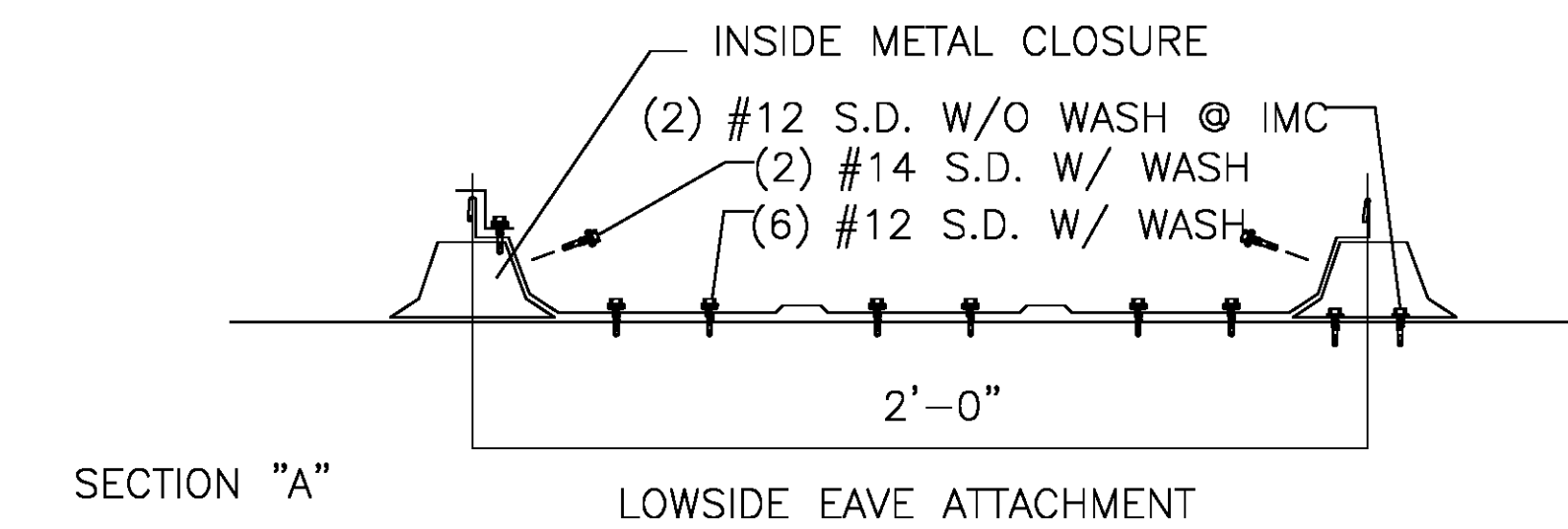
INITIALS OF GC/OWNER

**BOLT SCHEDULE**

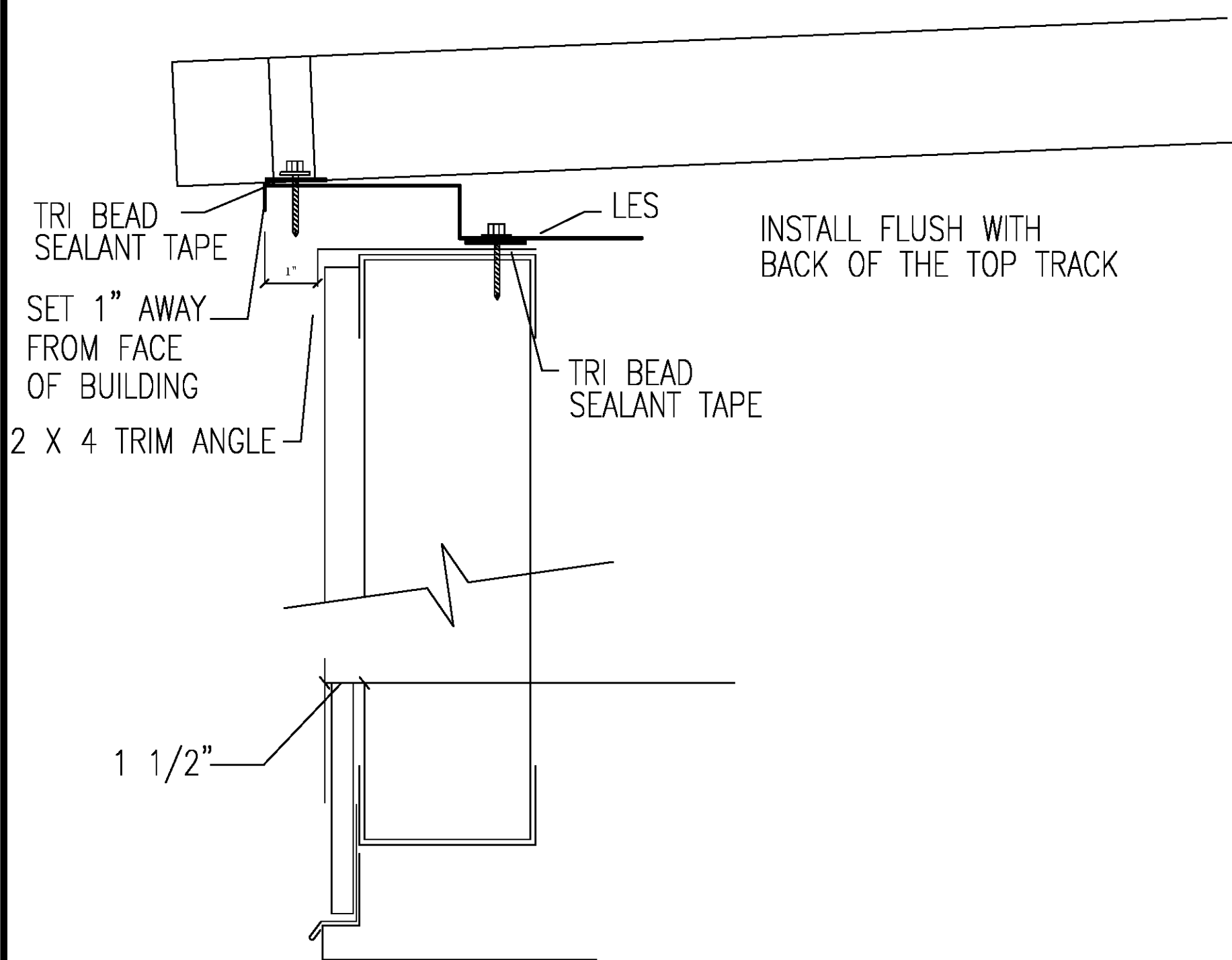
ANGLE	BOLT
L1	3/4" x 5 1/4" EXP. ANCHOR BOLT 2' O.C.
L2	1/2" x 3 3/4" EXP. ANCHOR BOLT 2' O.C.



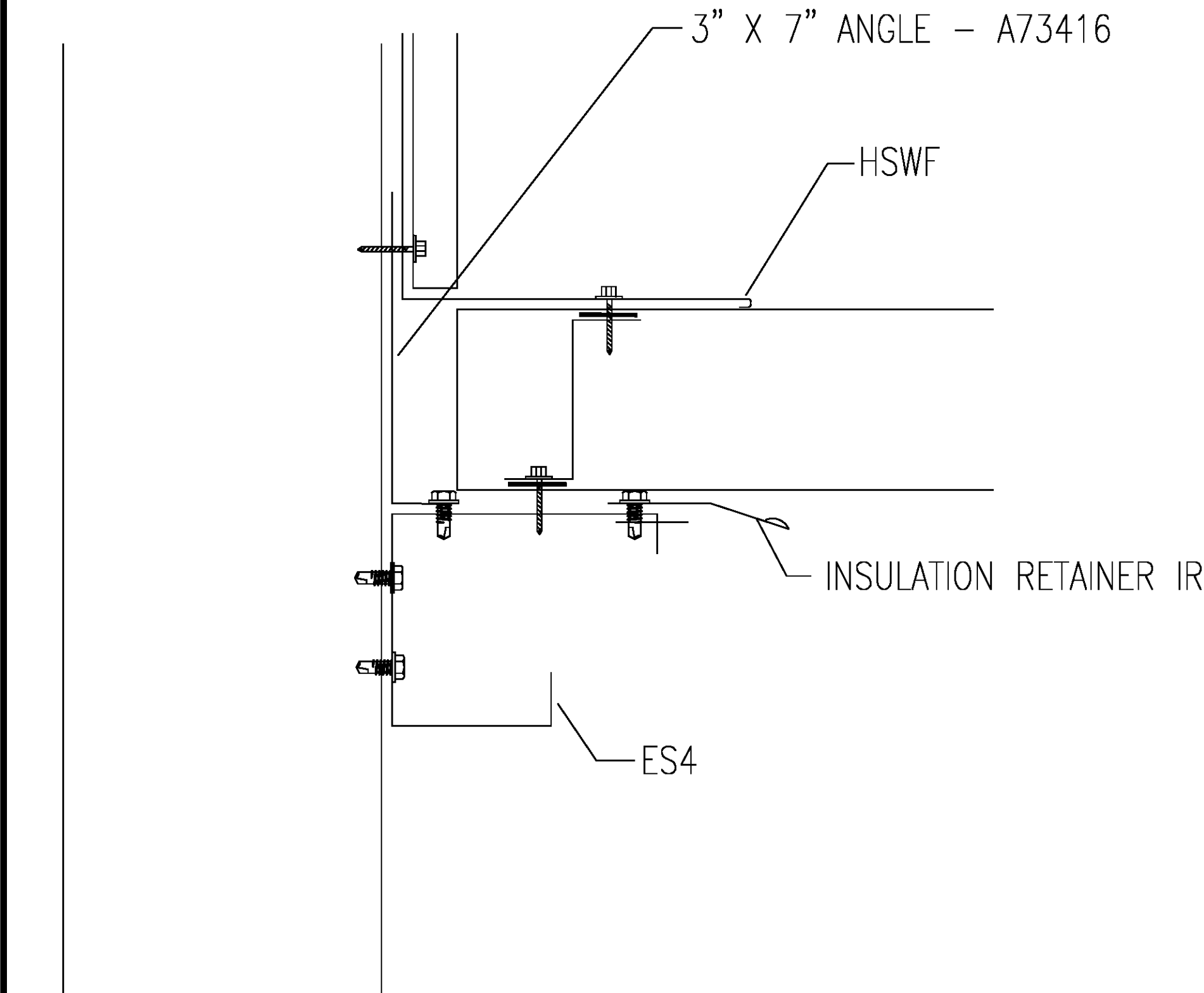
**2** FRAMING @ ELEV/STAIR  
D-5



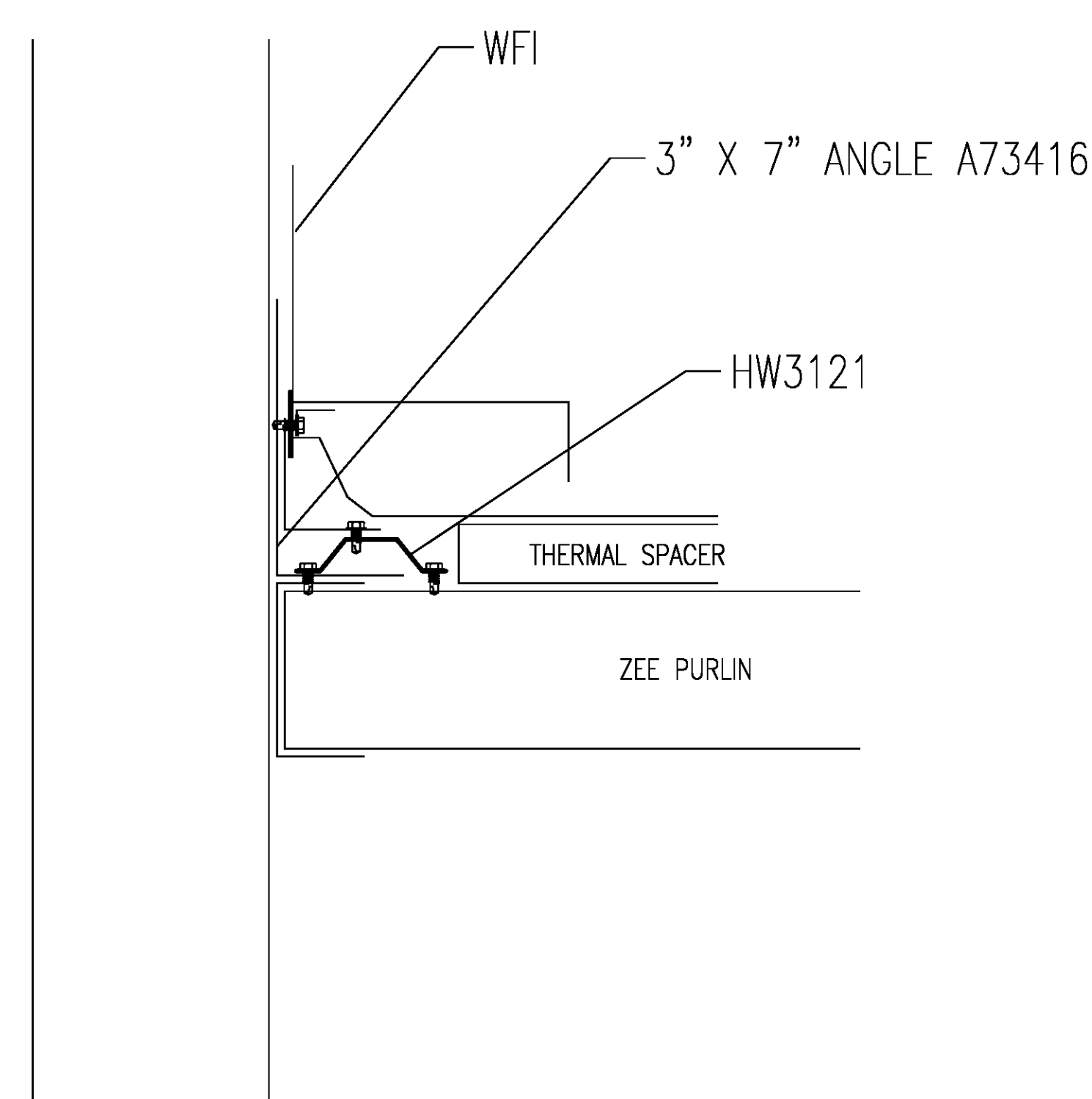
**3** LOW AND HIGH EAVE ROOF ATTACHMENT  
D-5



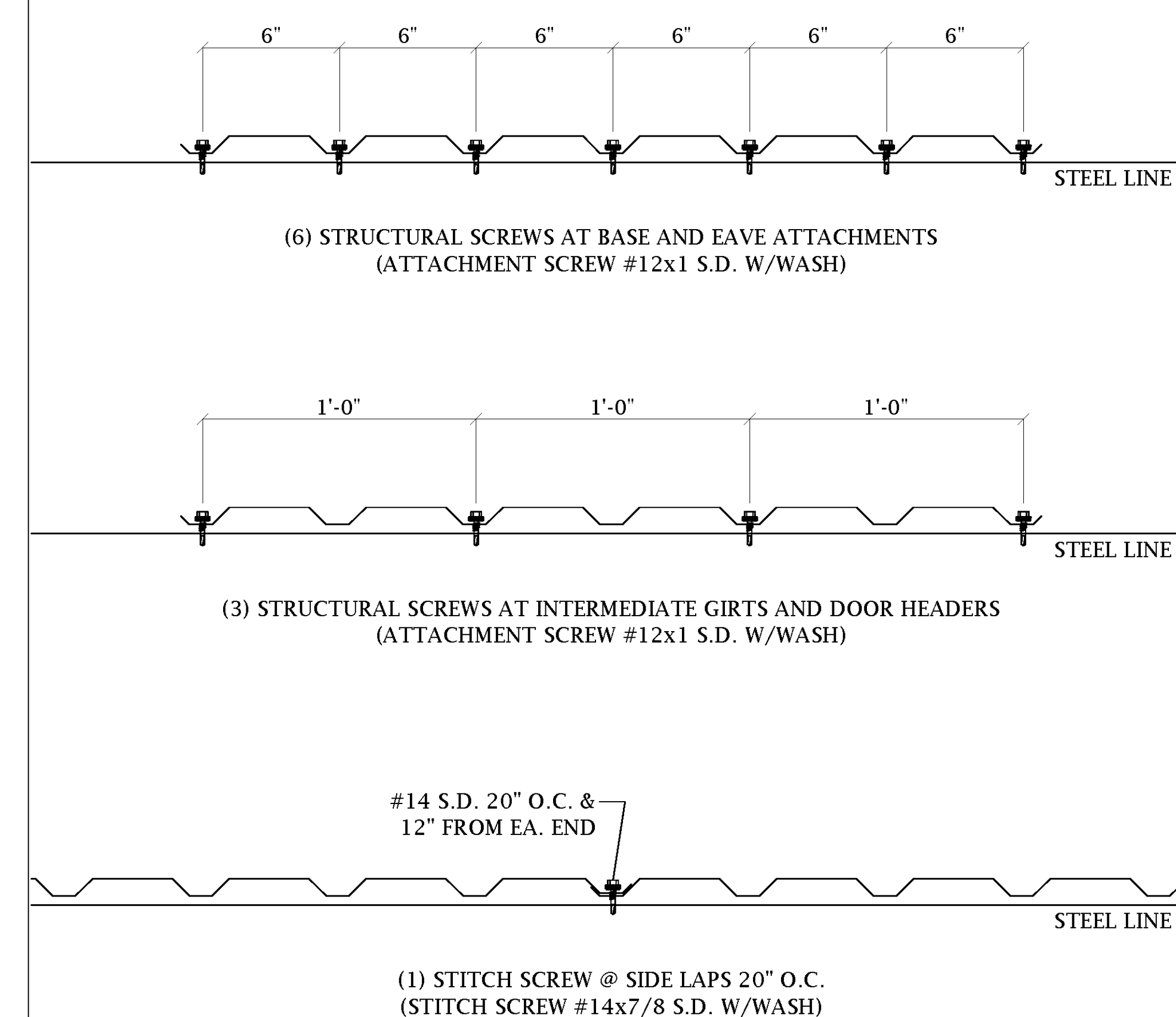
**1** SECTION - LOW EAVE AT FRAMED PERIMETER WALL  
FOR CLIMATE CONTROLLED BUILDING  
D-5



**4** SECTION - HIGHSIDE TRANSITION  
FOR CLIMATE CONTROLLED BUILDING  
D-5

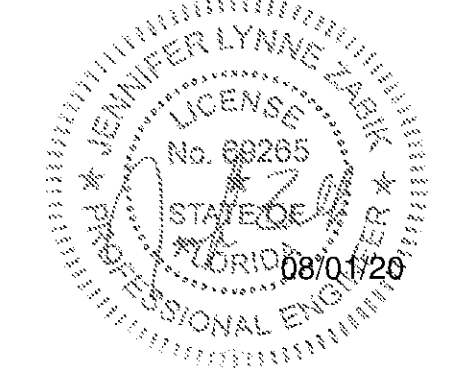


**5** SECTION - SIDE TRANSITION  
FOR CLIMATE CONTROLLED BUILDING  
D-5



**6** RRU PANEL ATTACHMENT DETAILS  
D-5

SEALS



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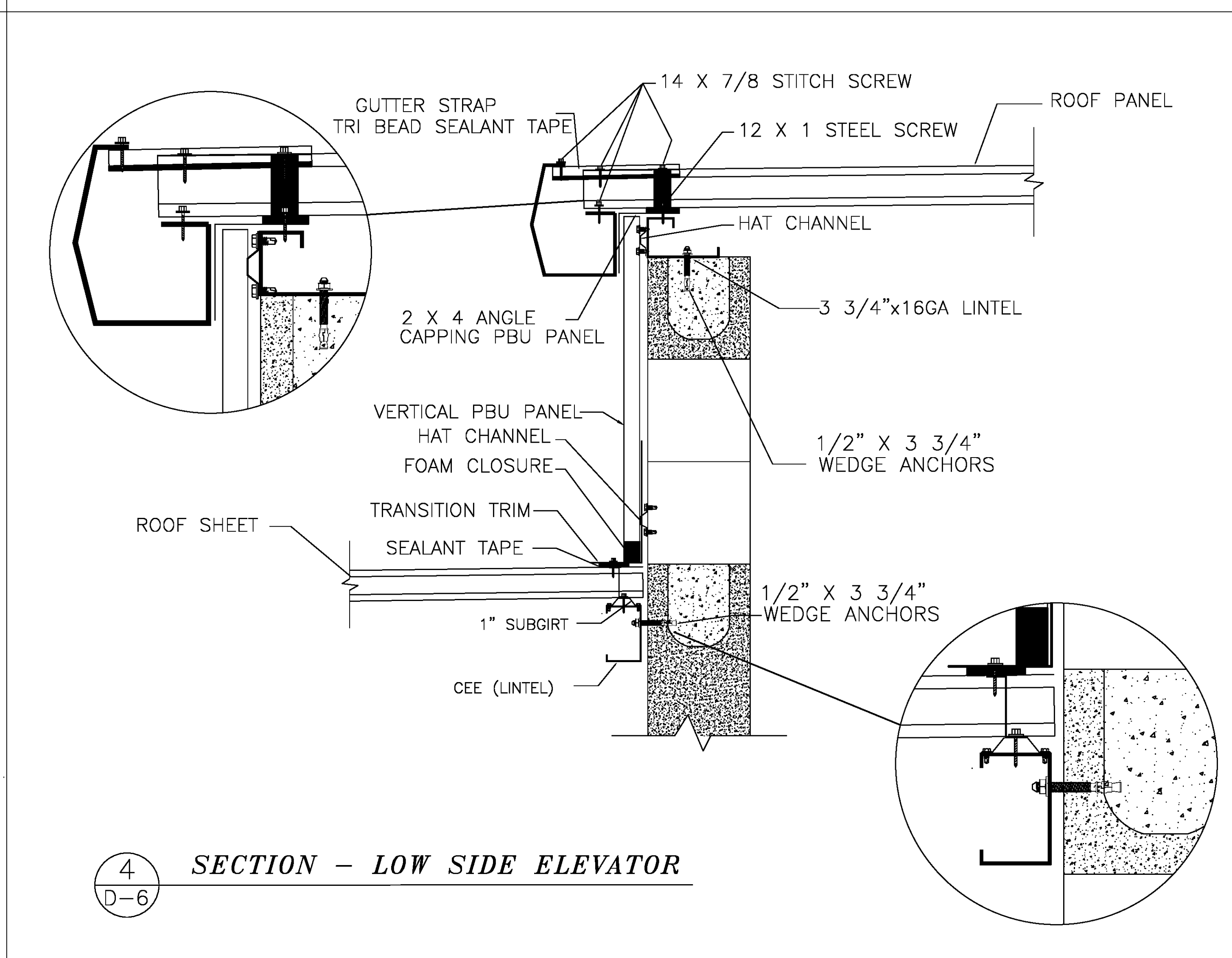
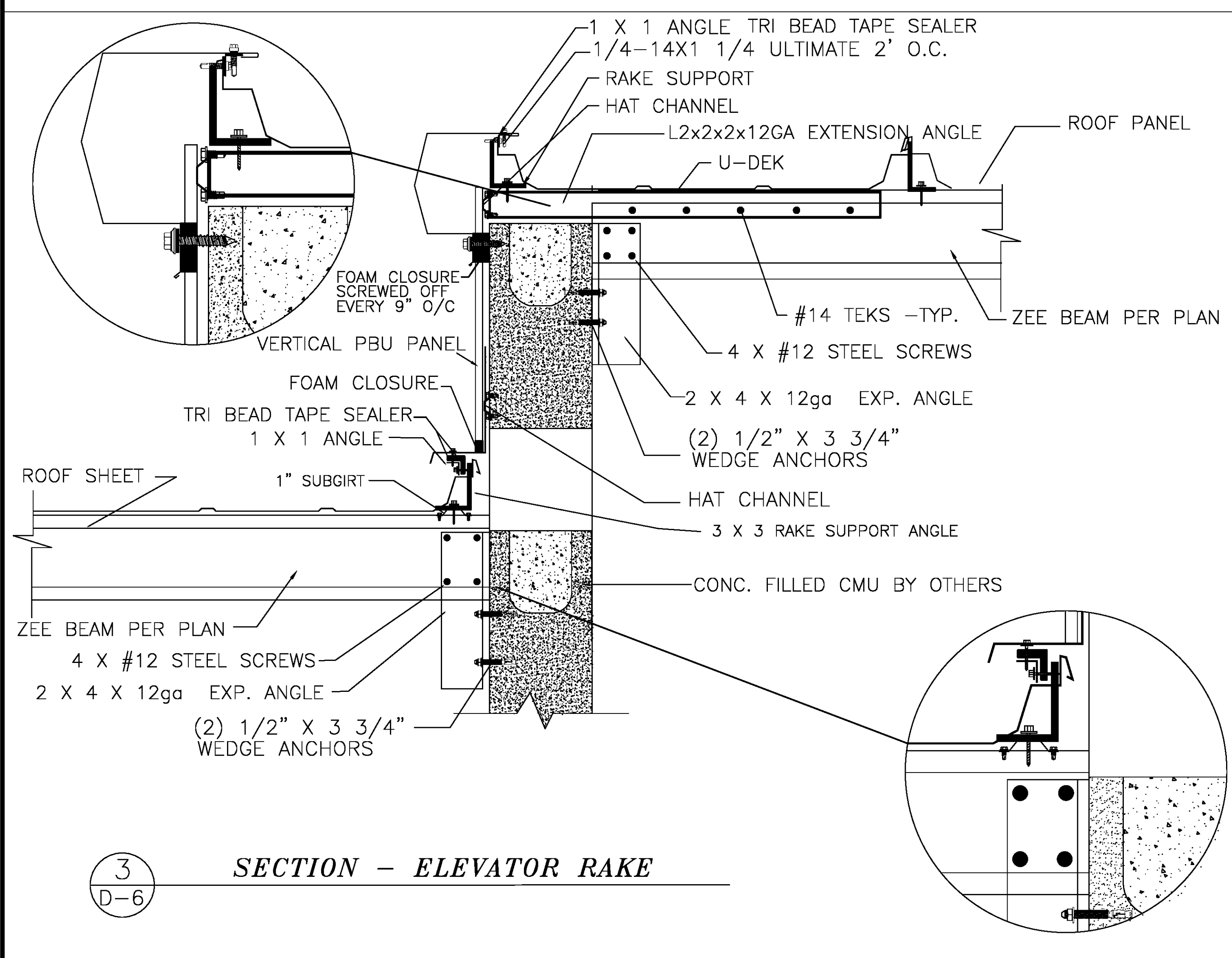
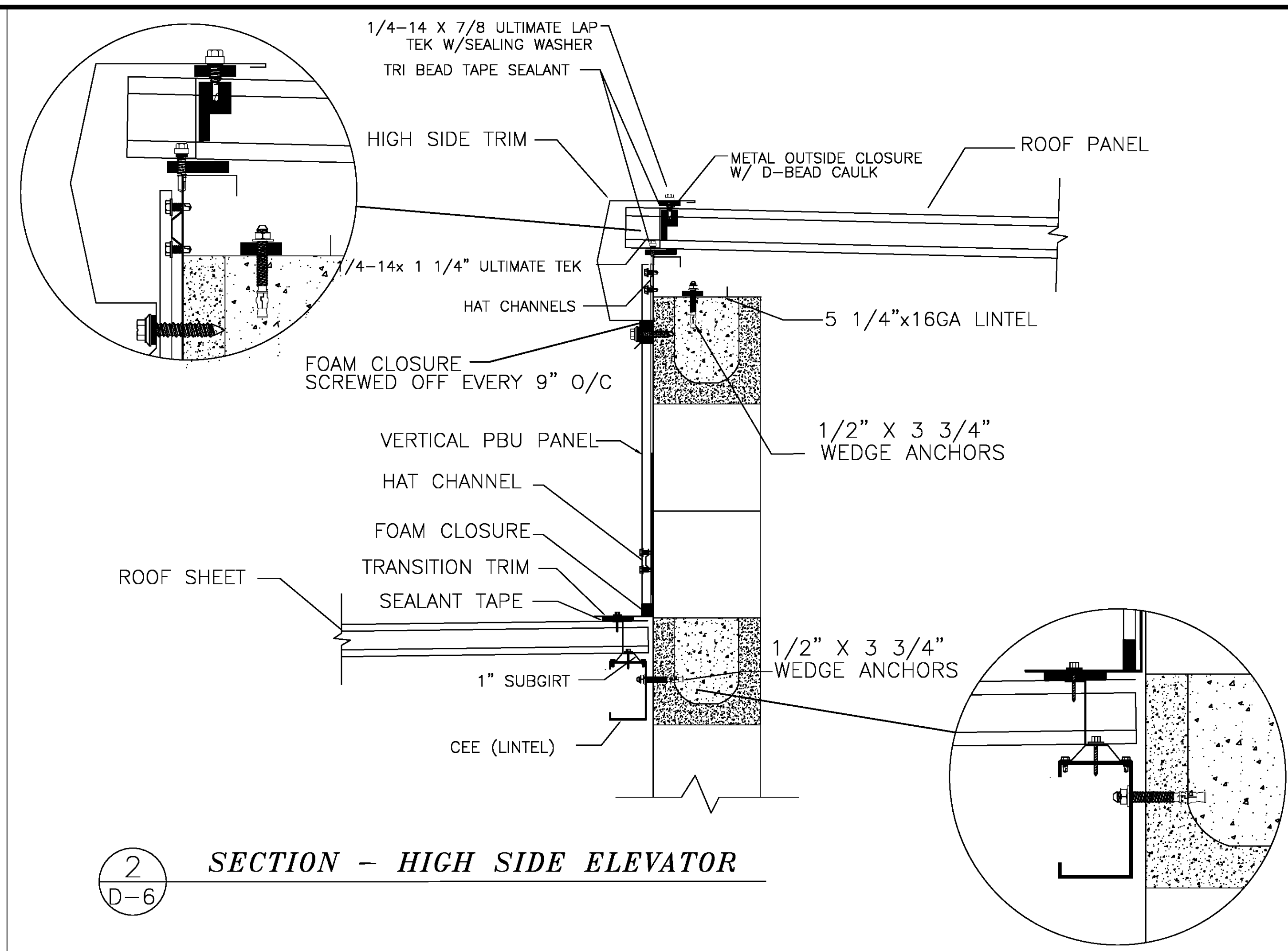
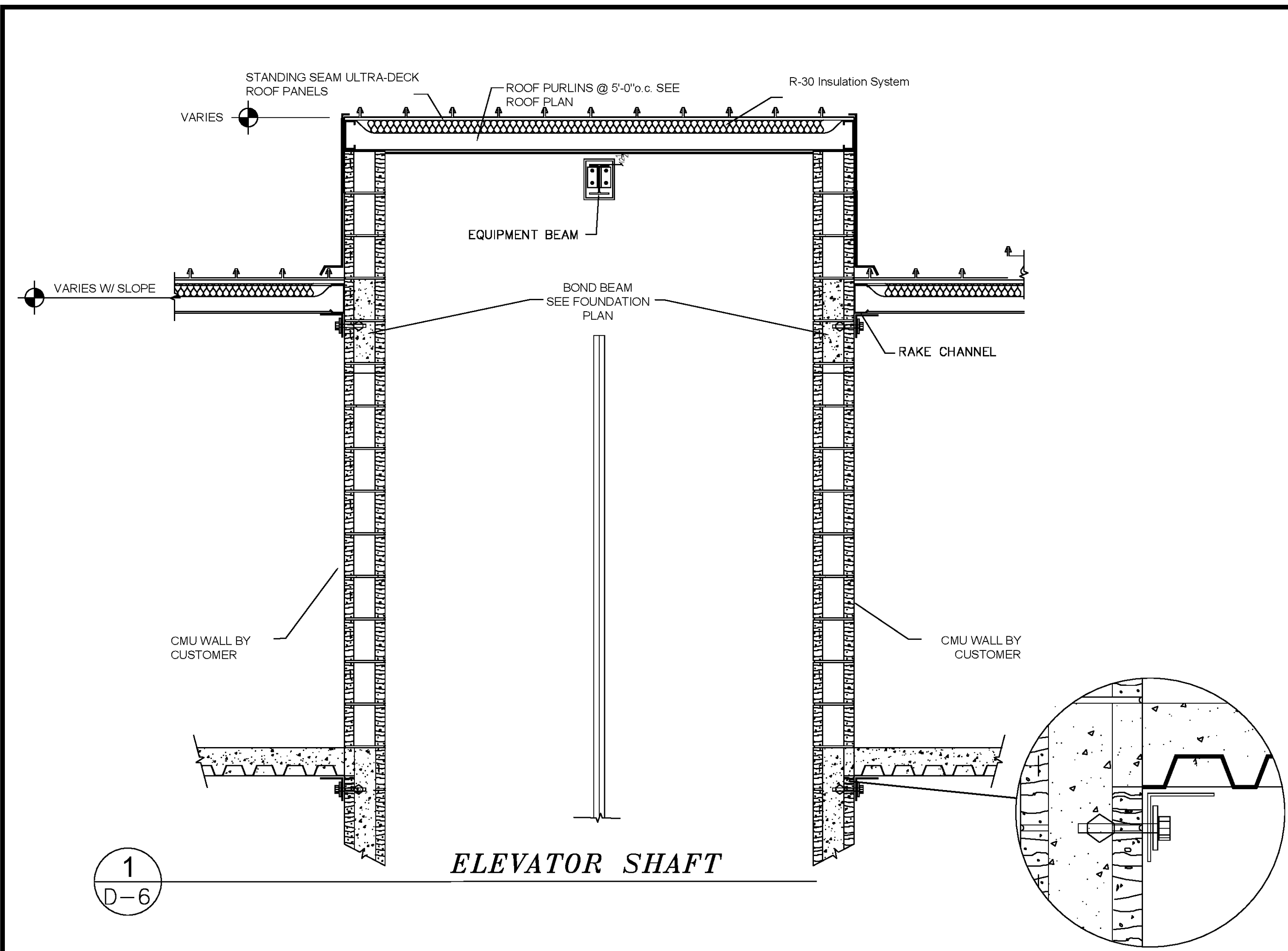
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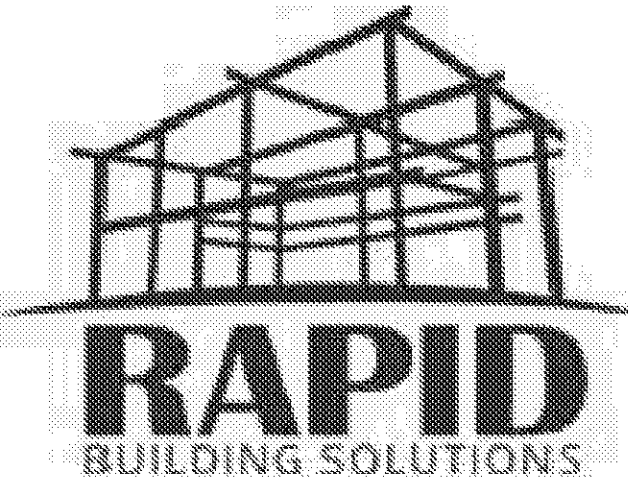
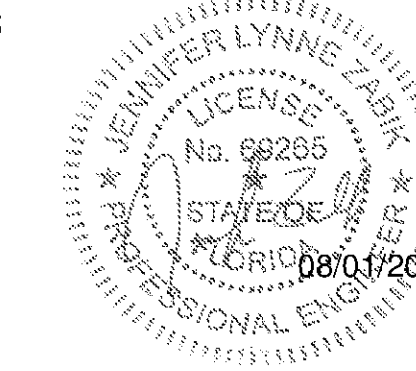
ISSUE DATE: June 09, 2020  
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CHECKED BY: RBS SUBMITTED BY: JZ

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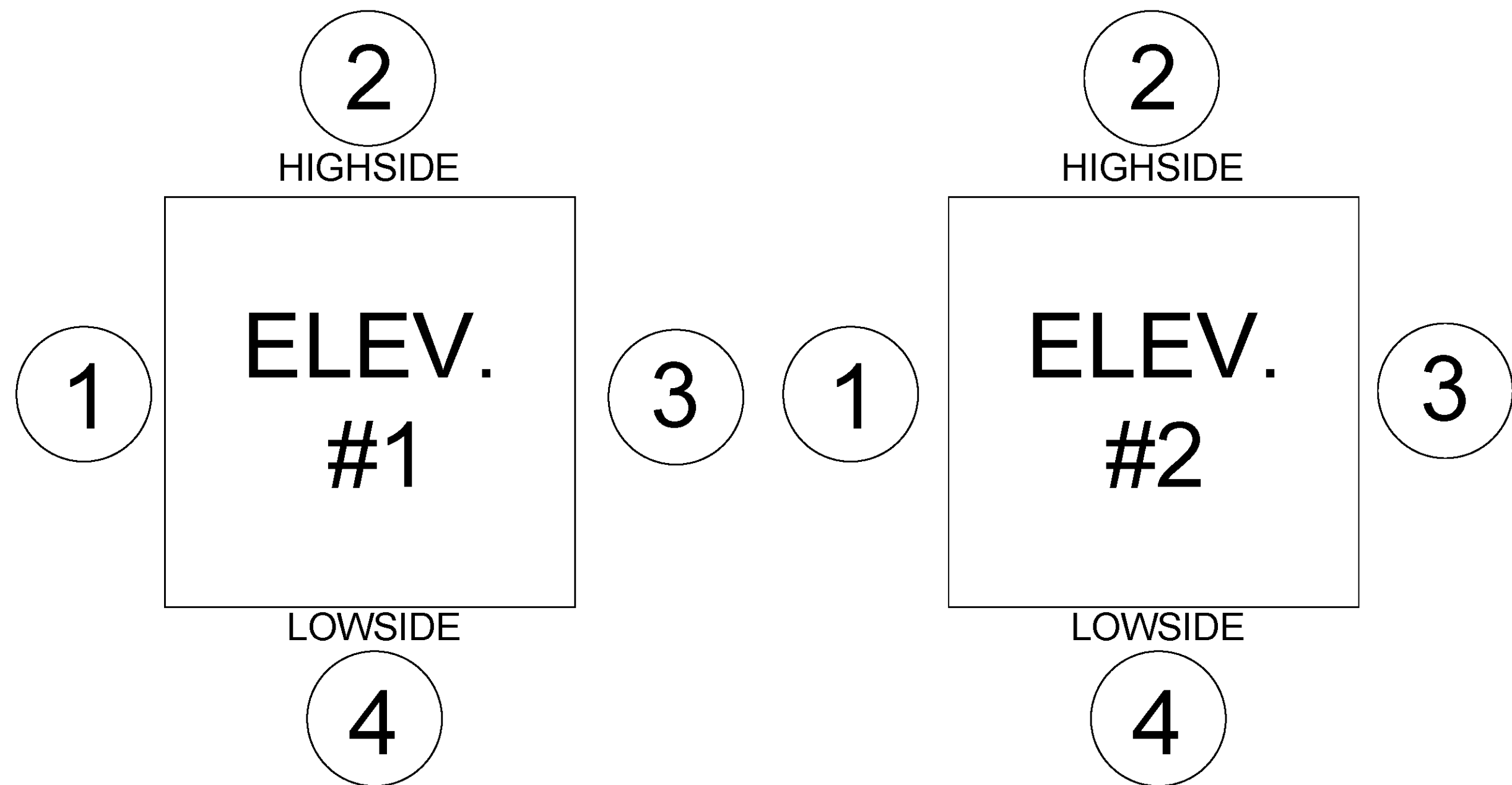
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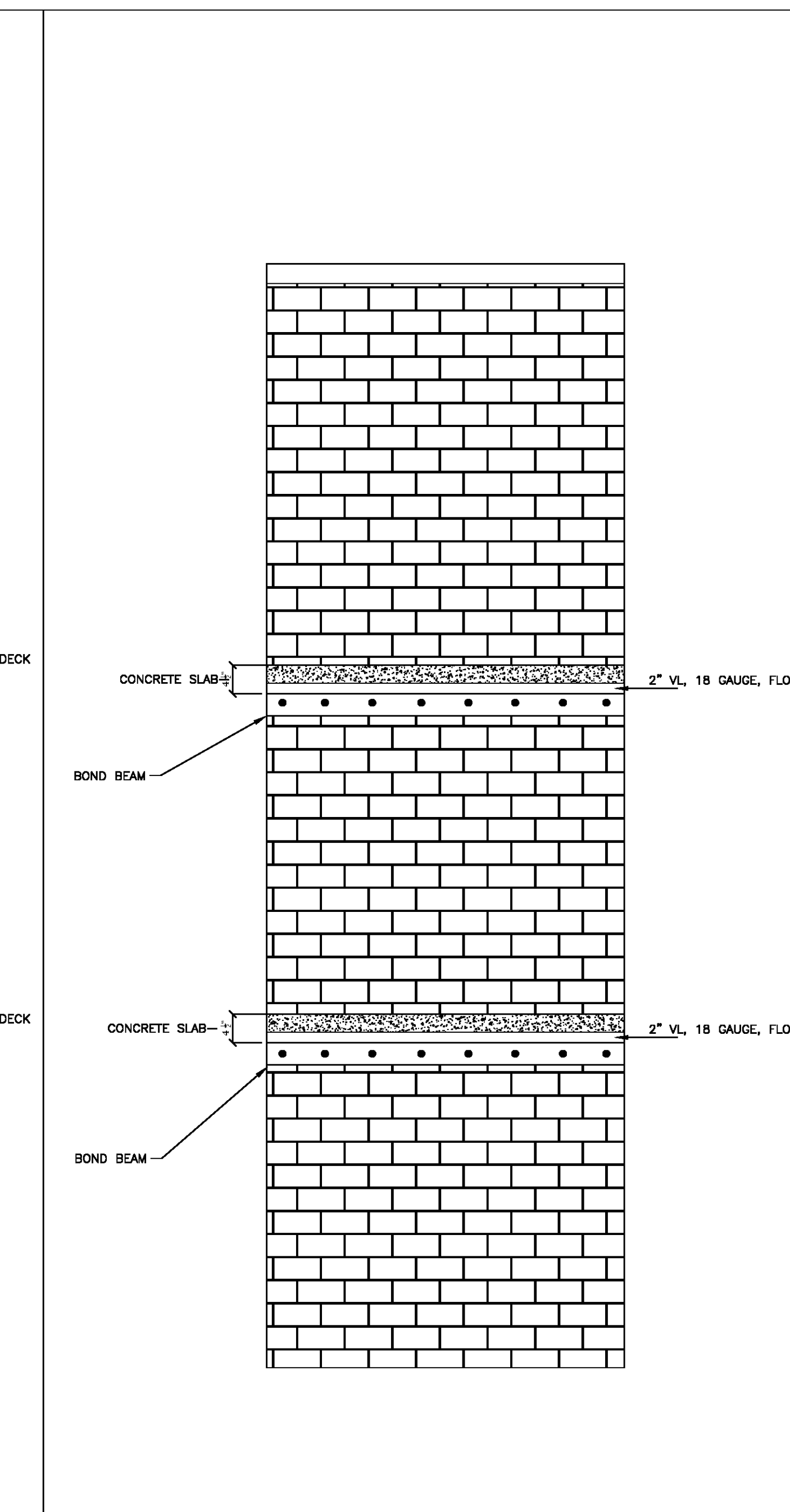
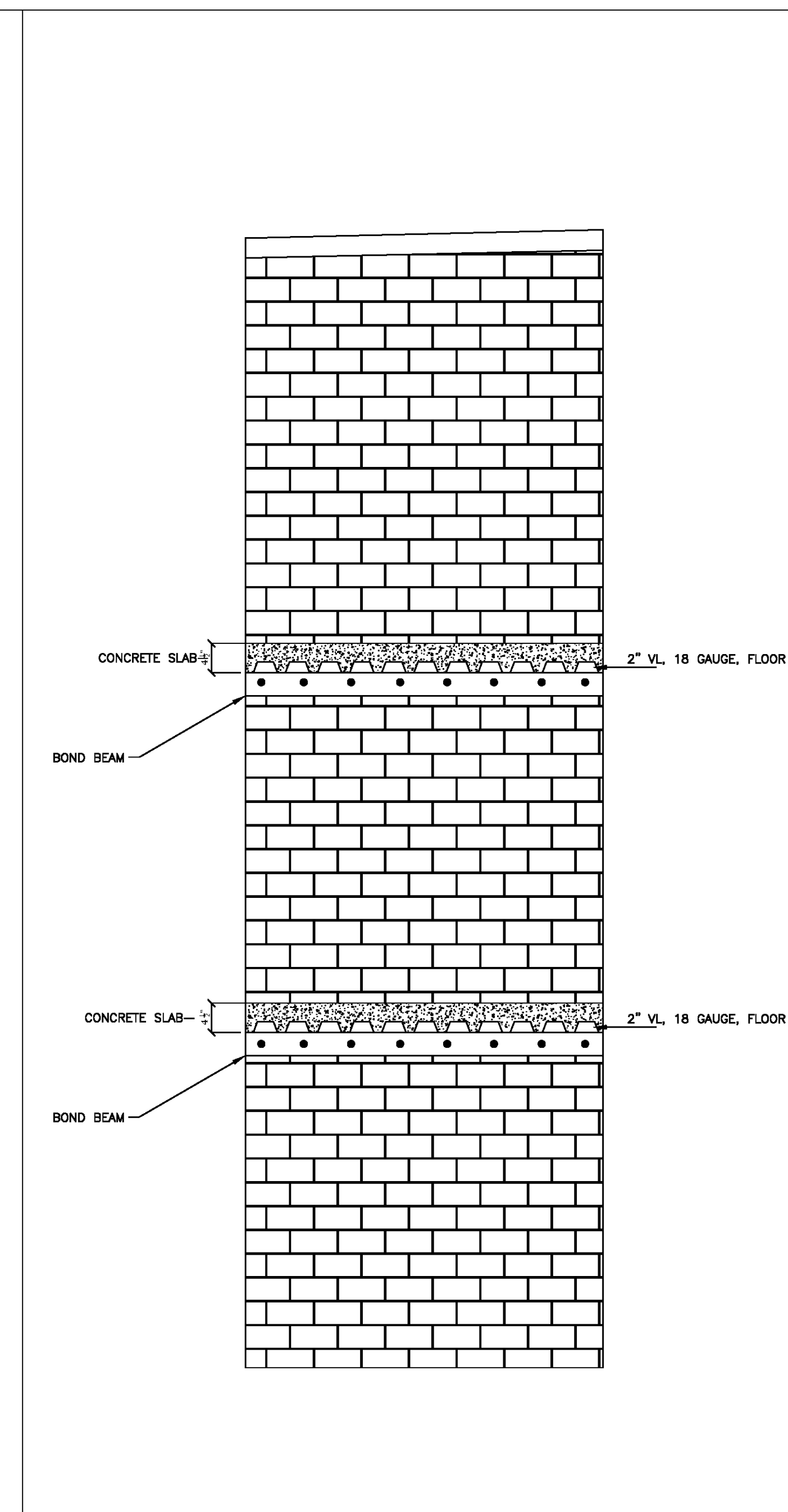
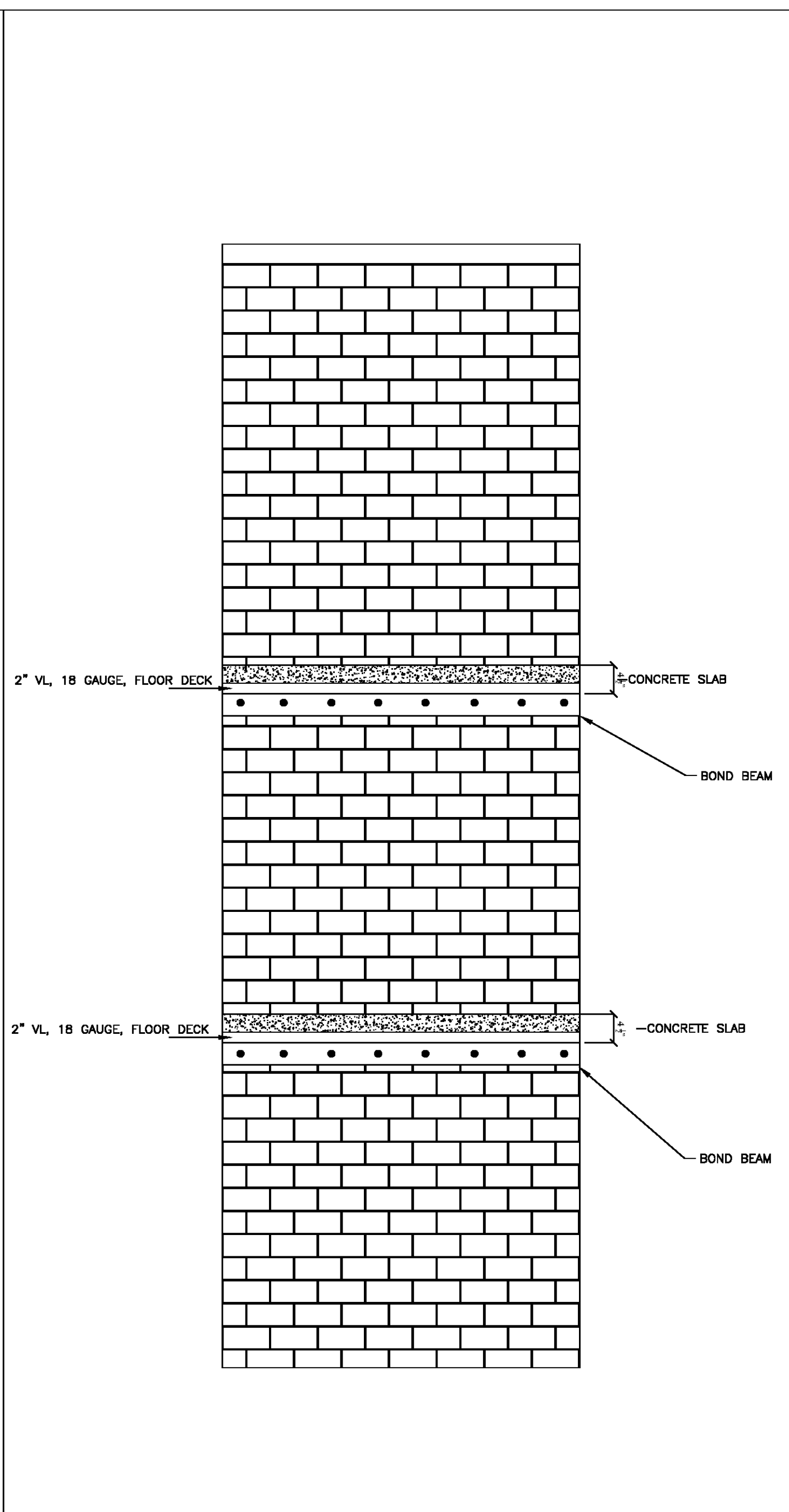
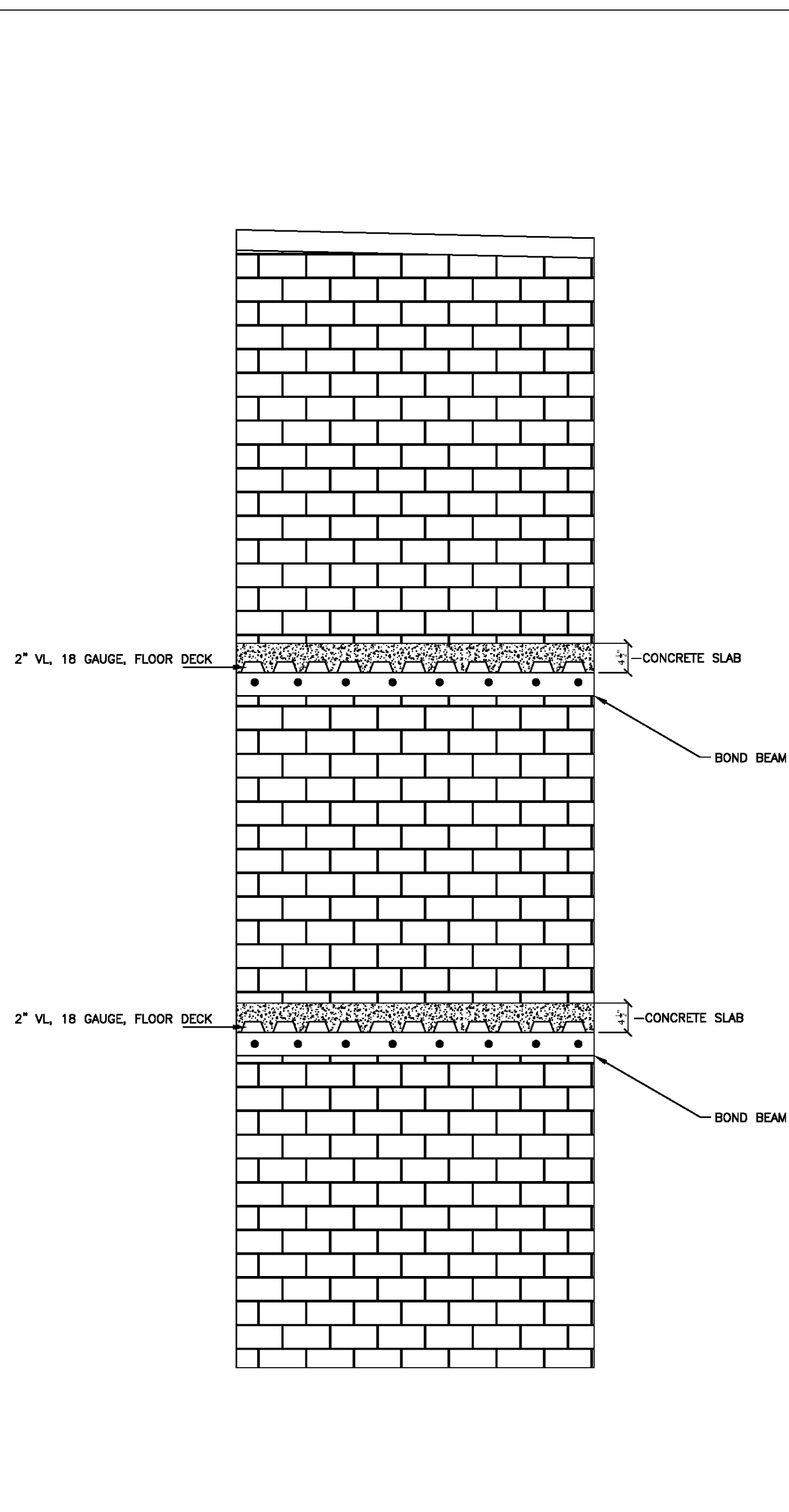
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**RBS-D-7**



NOTE TO CONTRACTOR:  
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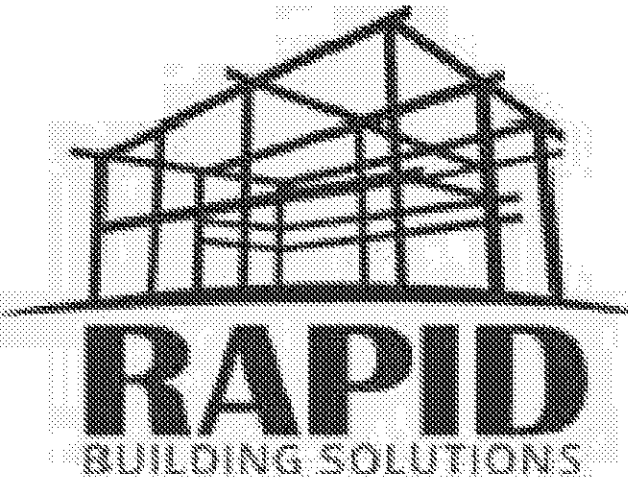
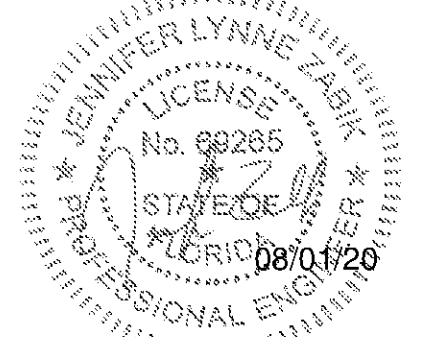
1 SECTION - DECK BEARING WALL  
D-7

2 SECTION - DECK NON-BEARING WALL  
D-7

3 SECTION - DECK BEARING WALL  
D-7

4 SECTION - DECK NON-BEARING WALL  
D-7

SEALS



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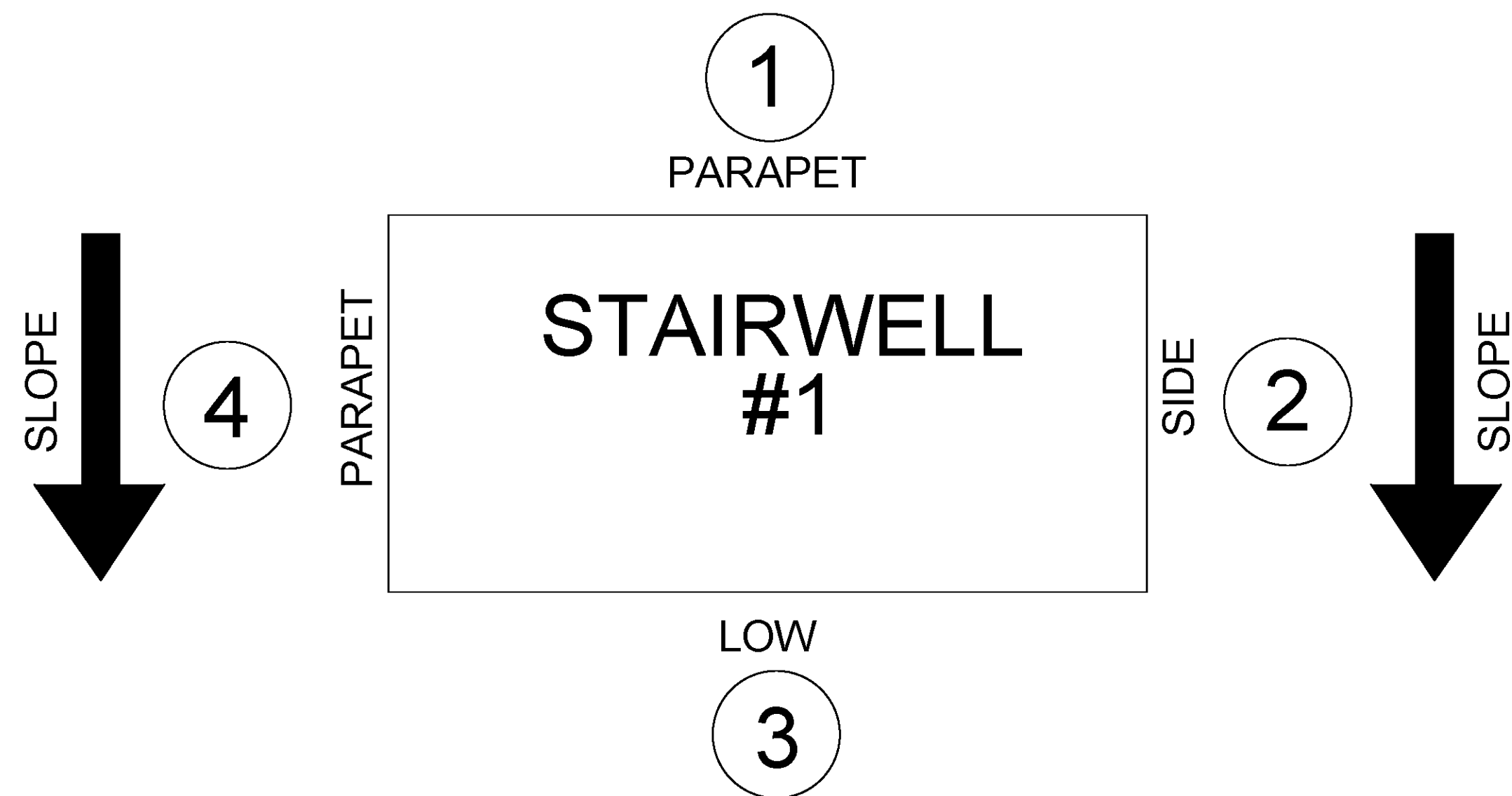
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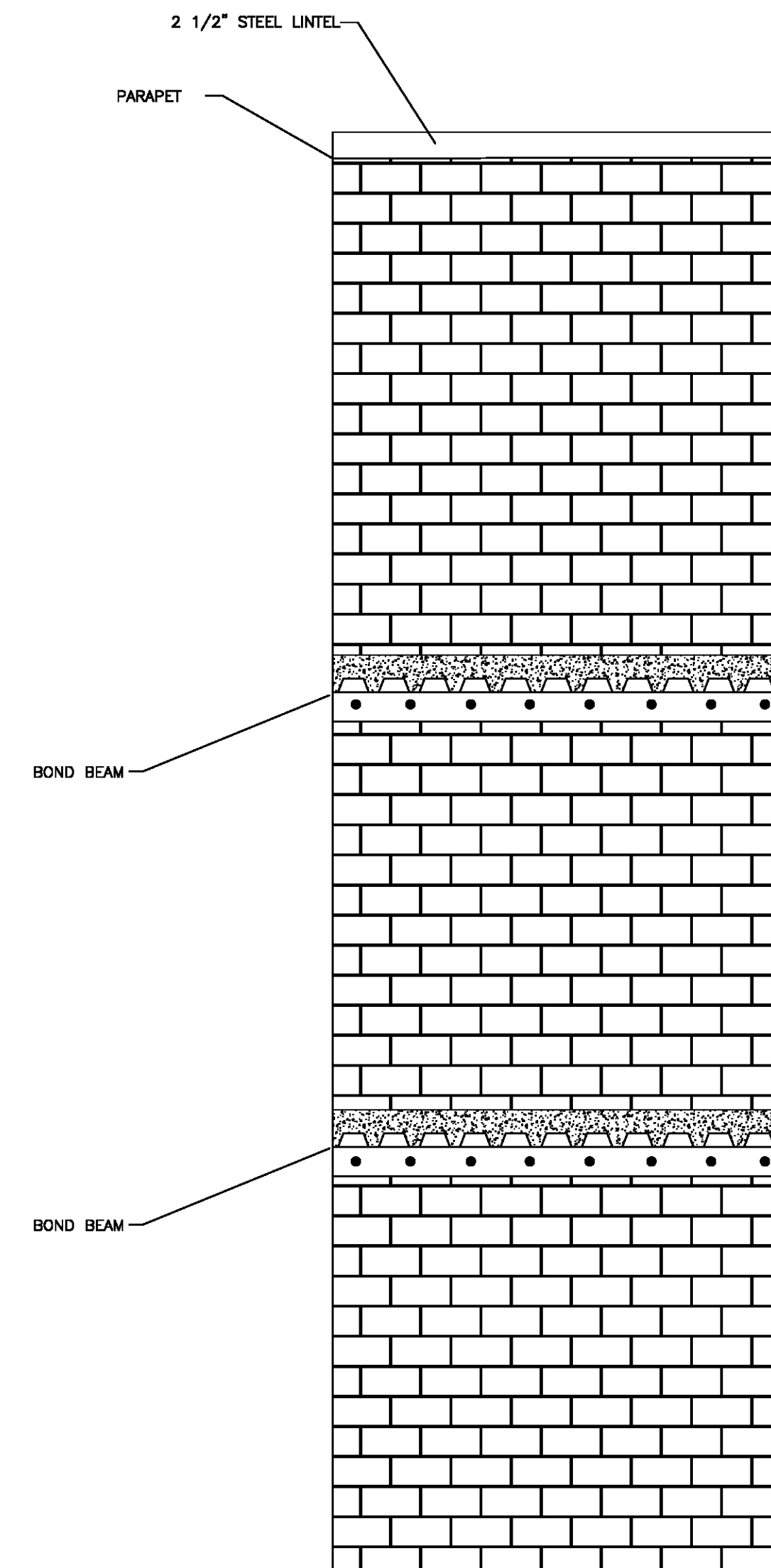
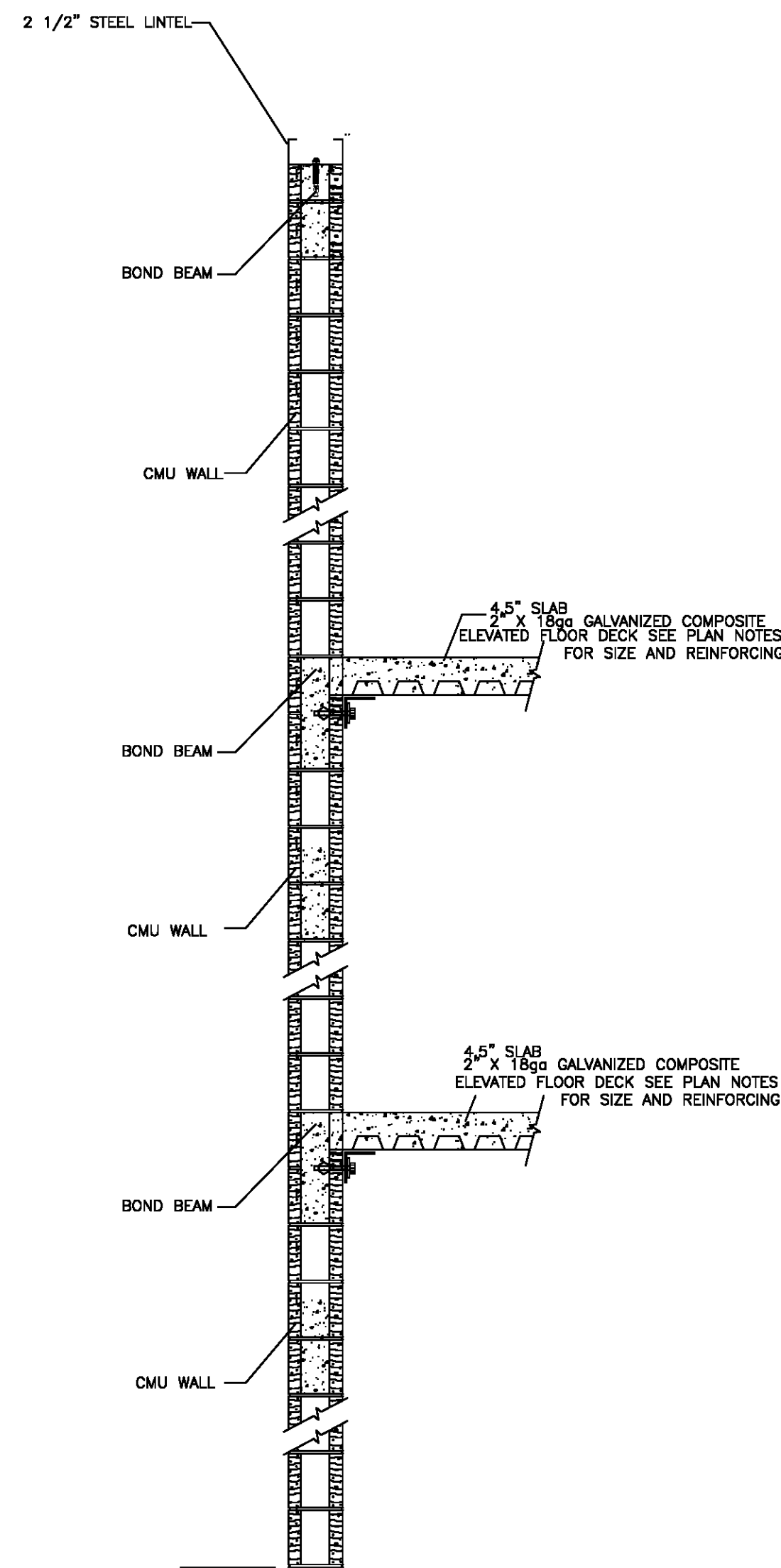
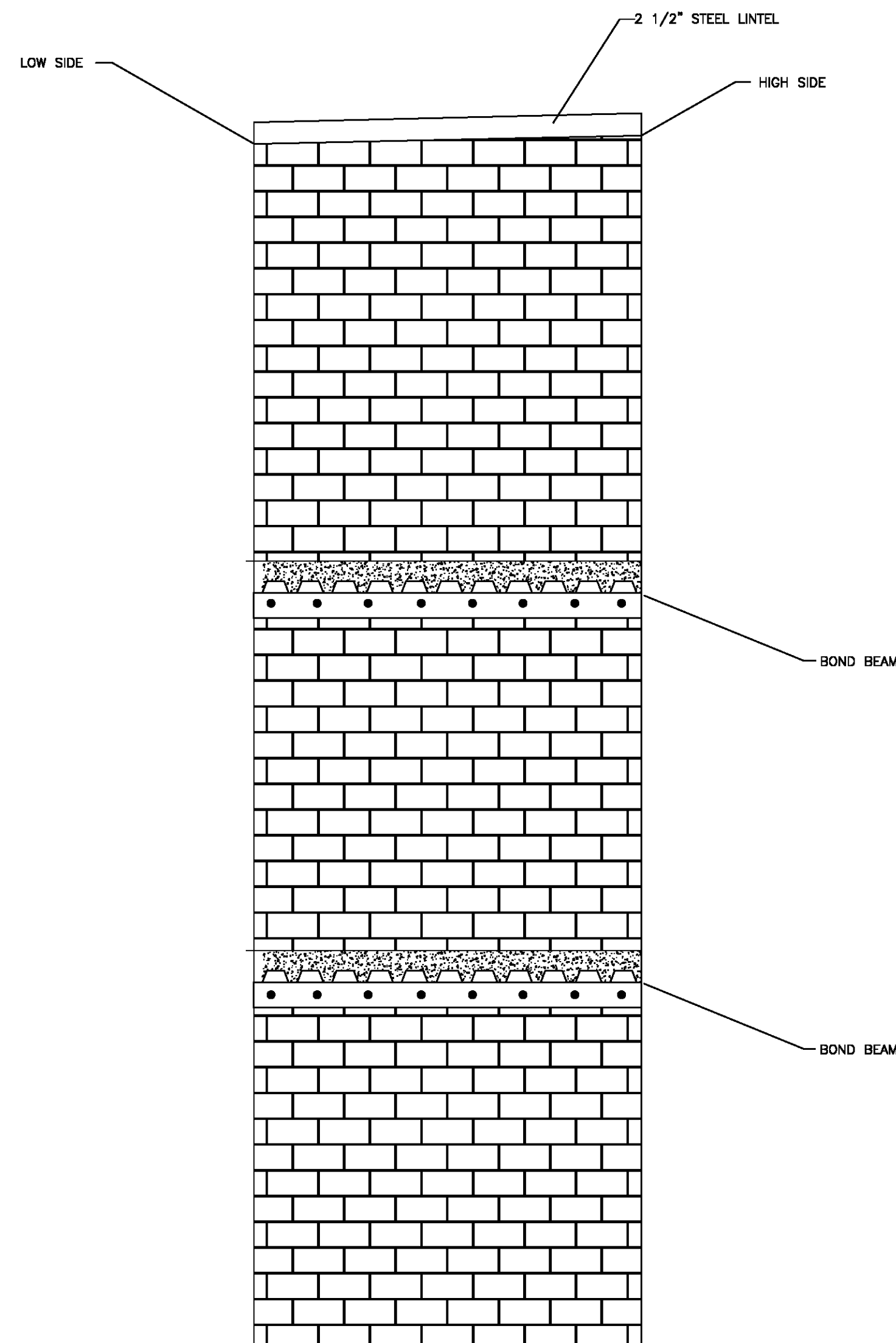
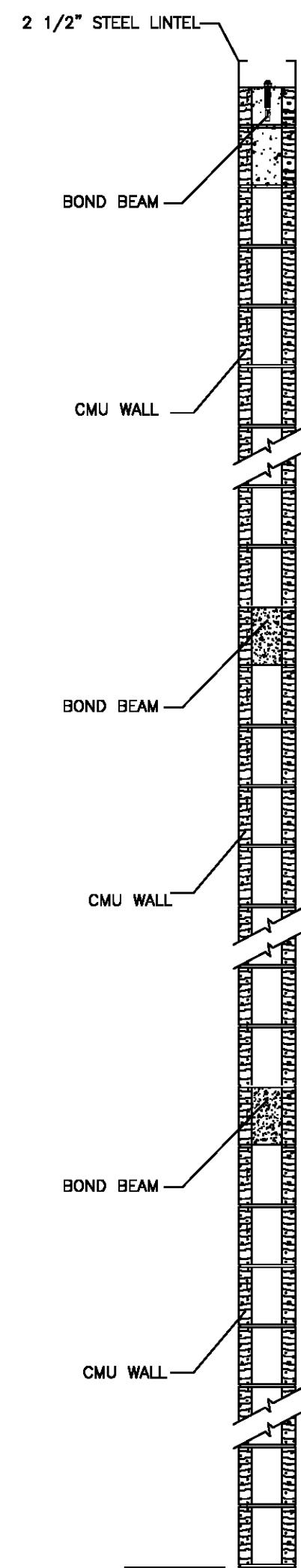
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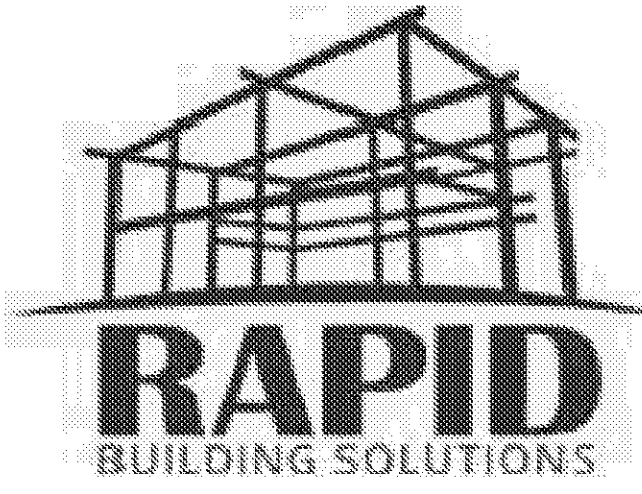
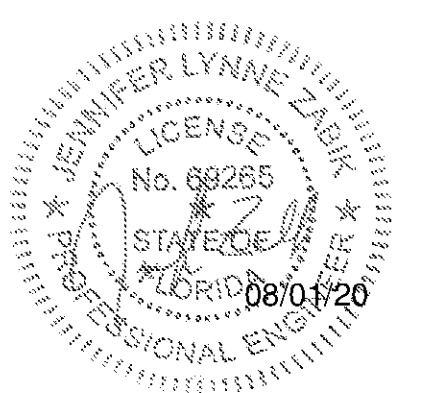
1  
D-8 SECTION - PARAPET

2  
D-8 SECTION - SIDEVIEW

3  
D-8 SECTION - LOW SIDE

4  
D-8 SECTION - PARAPET

SEALS



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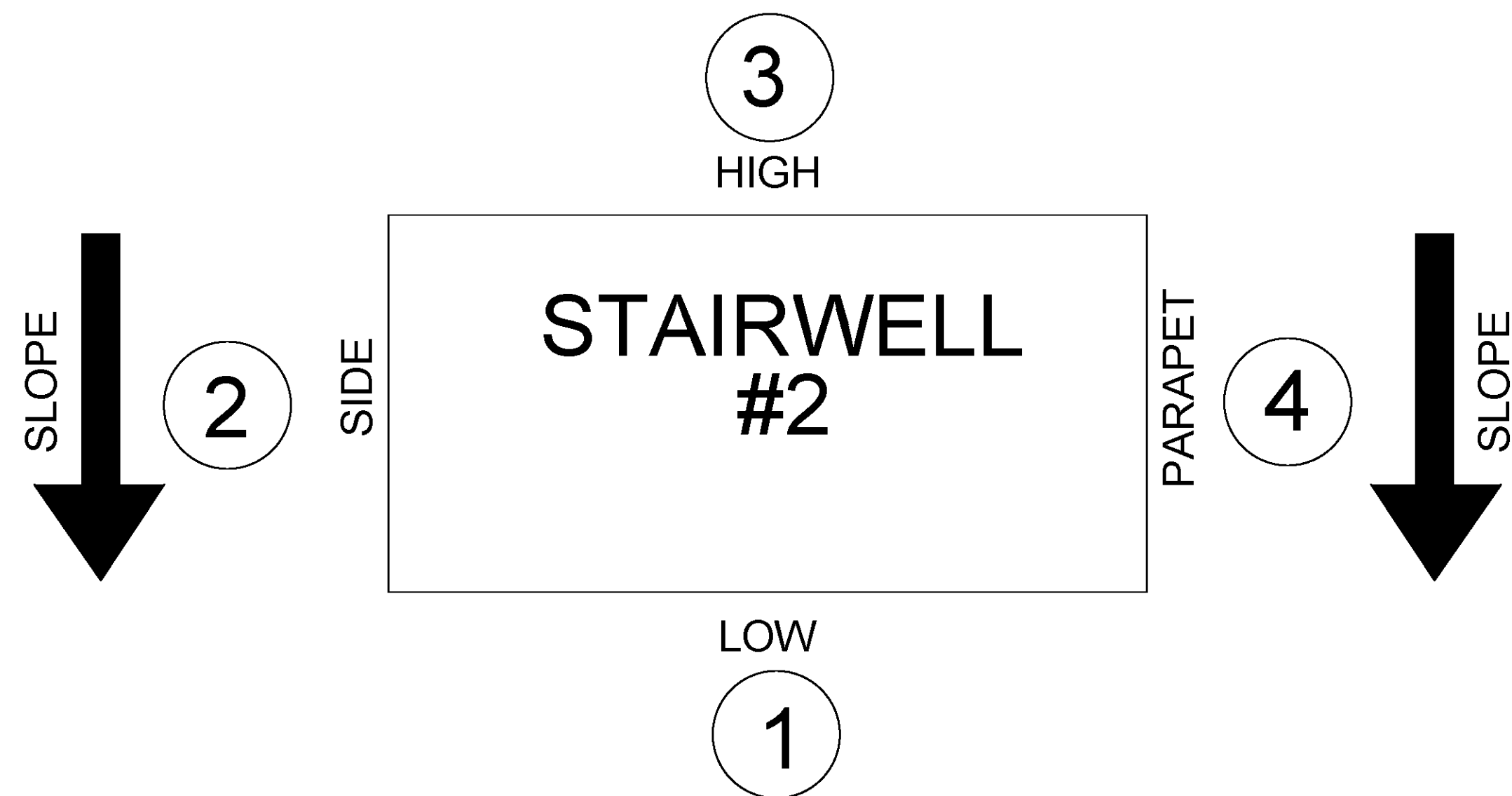
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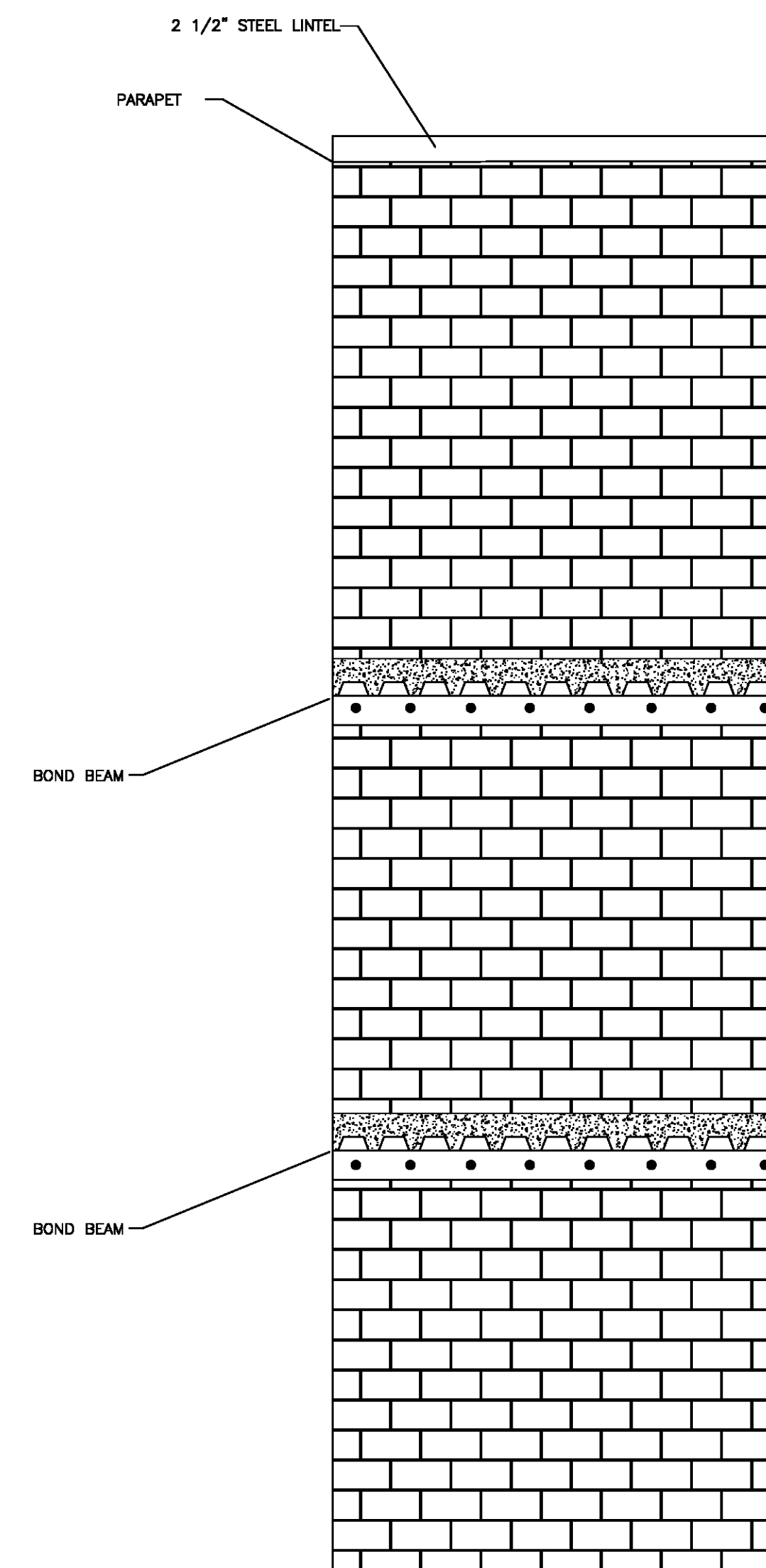
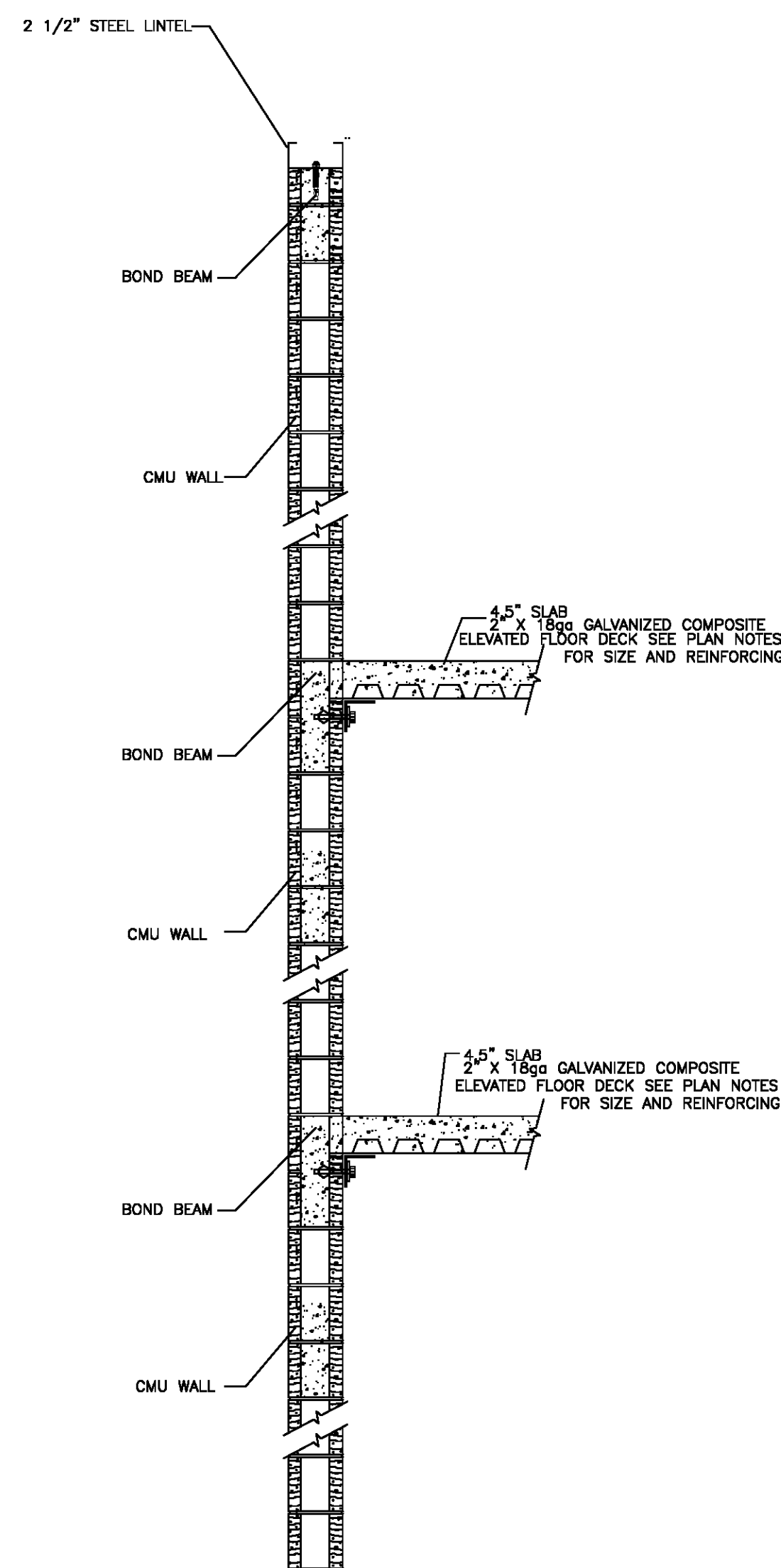
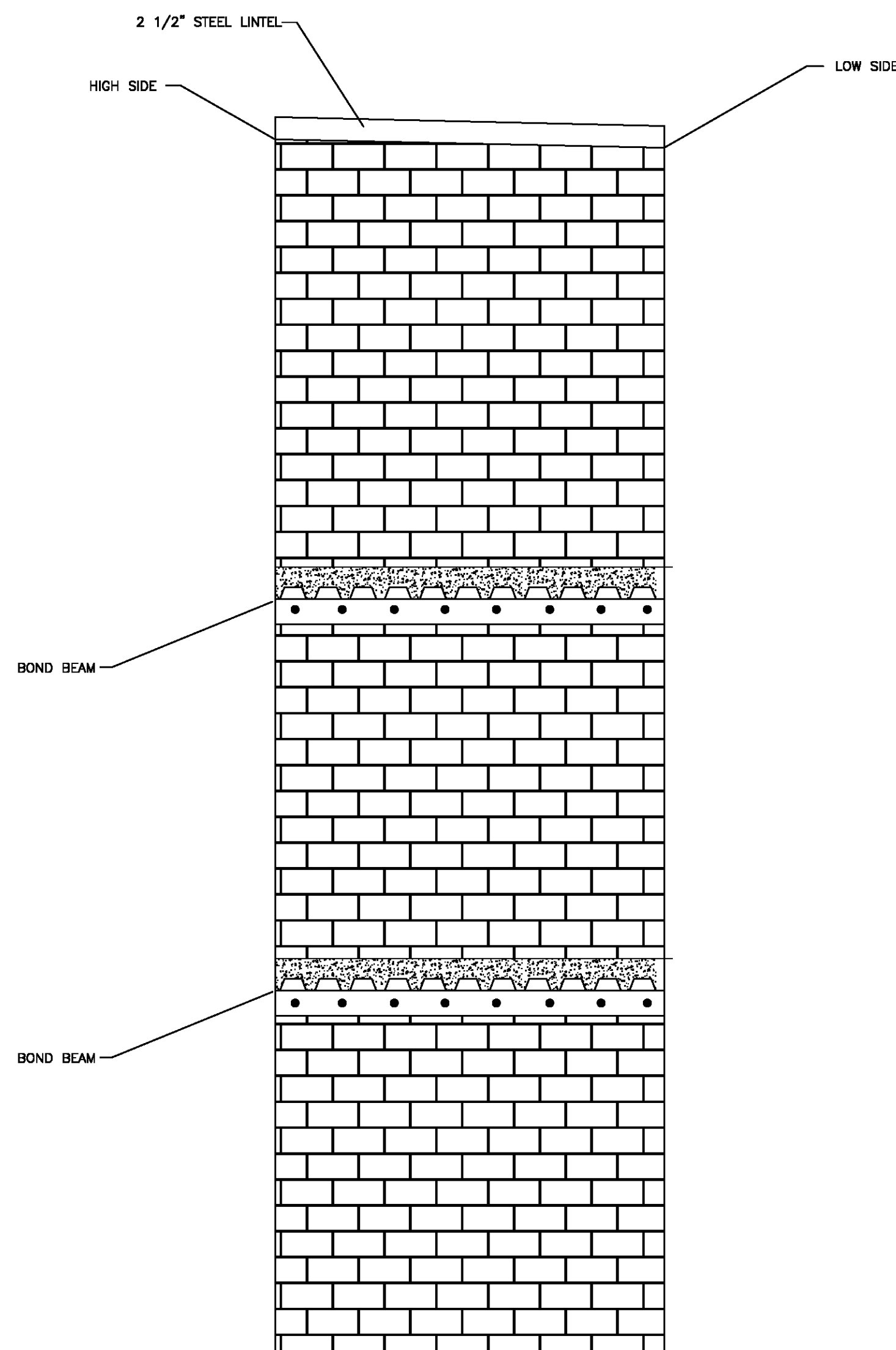
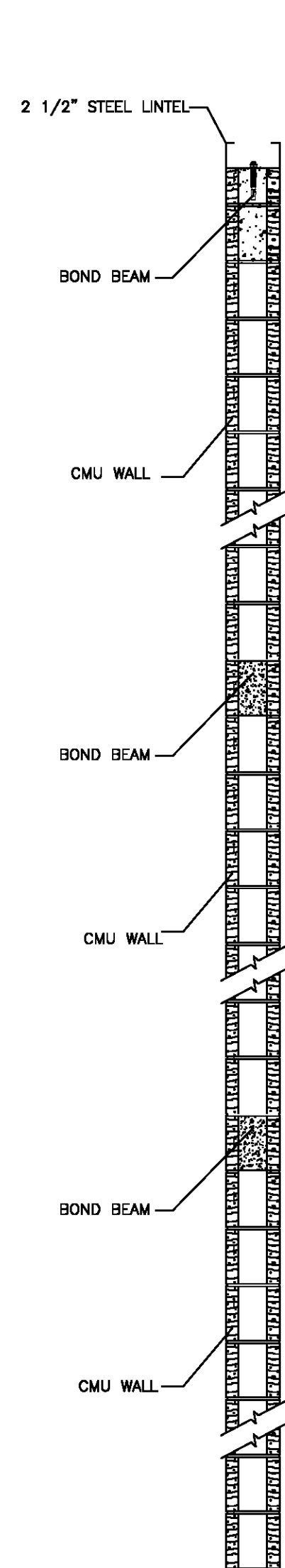
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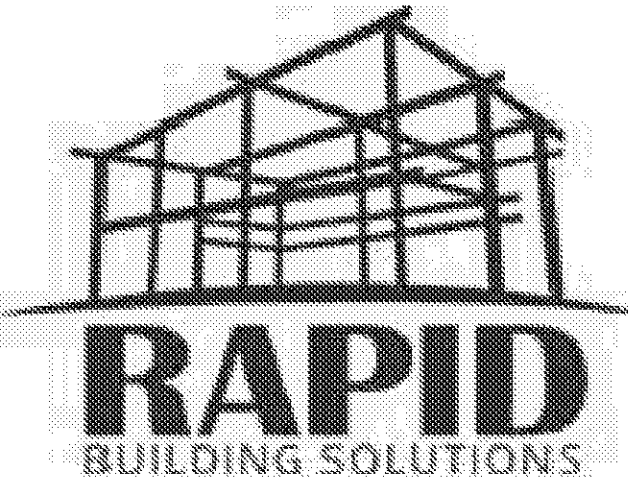
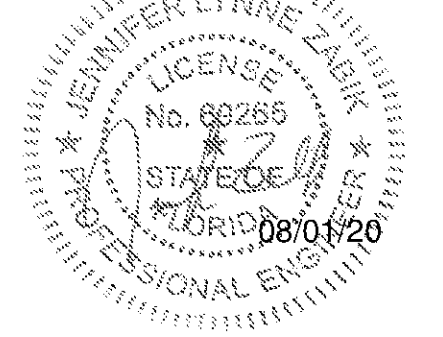
1 SECTION - PARAPET  
D-9

2 SECTION - SIDEVIEW  
D-9

3 SECTION - HIGH SIDE  
D-9

4 SECTION - PARAPET  
D-9

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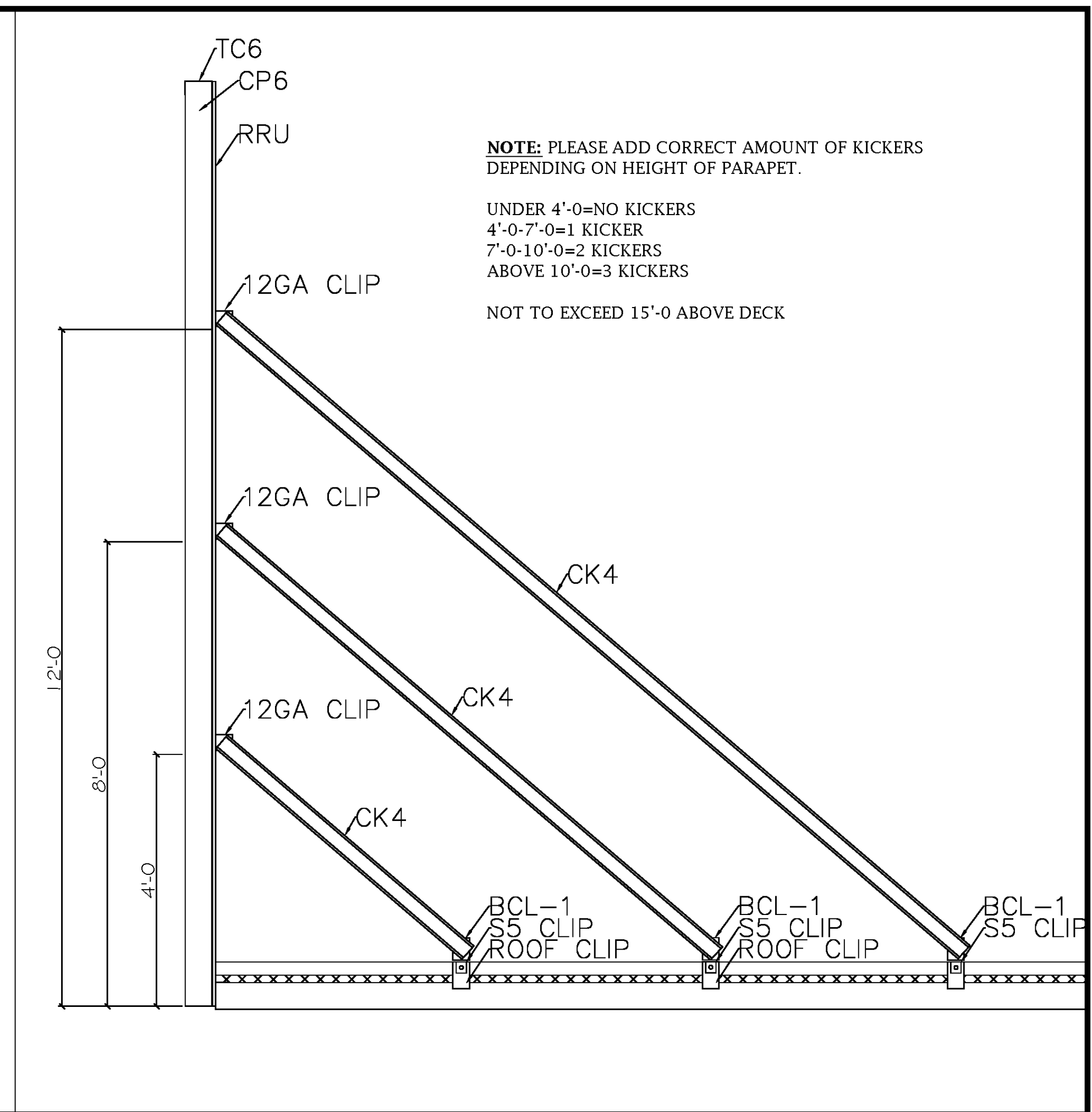
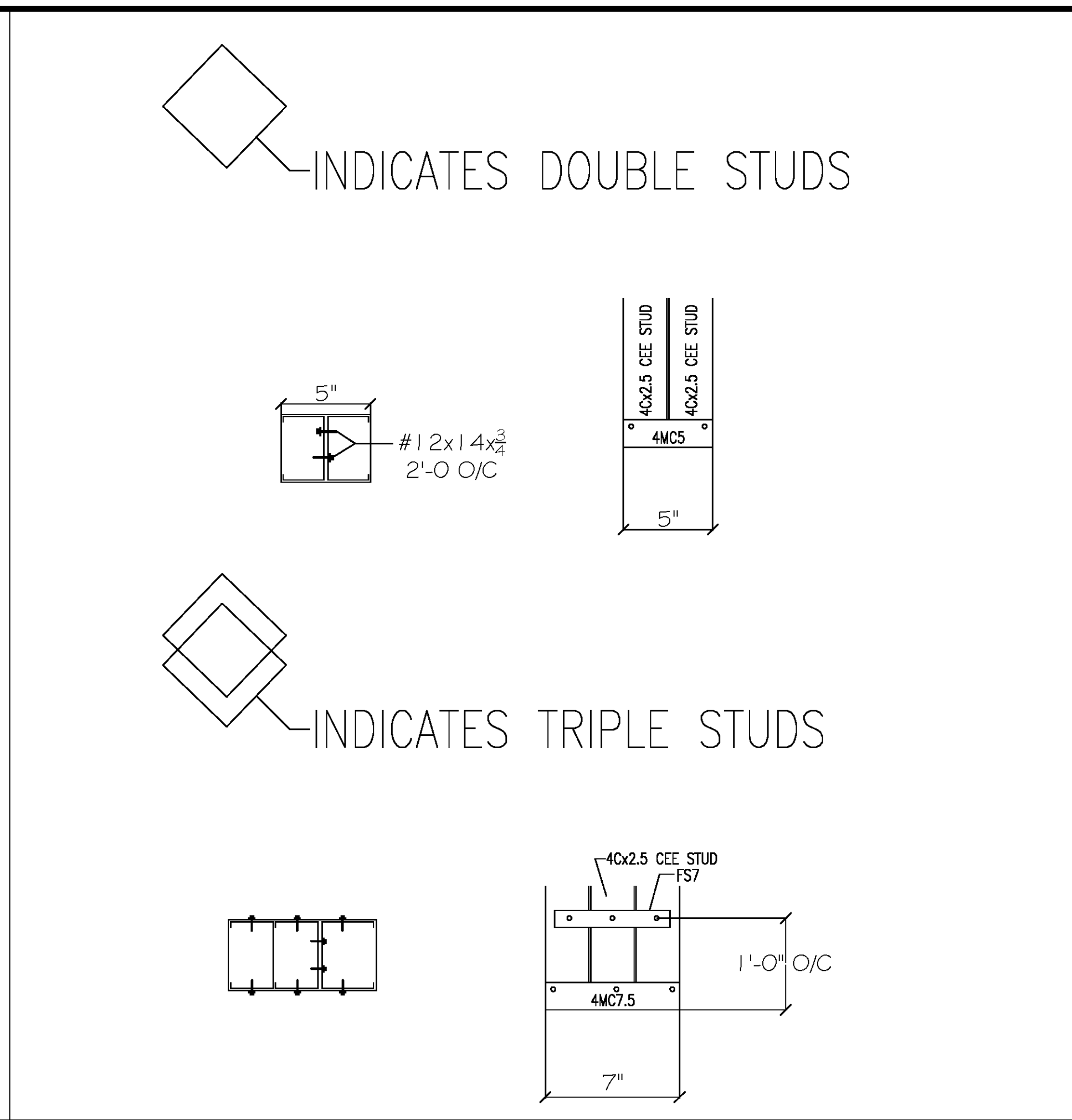
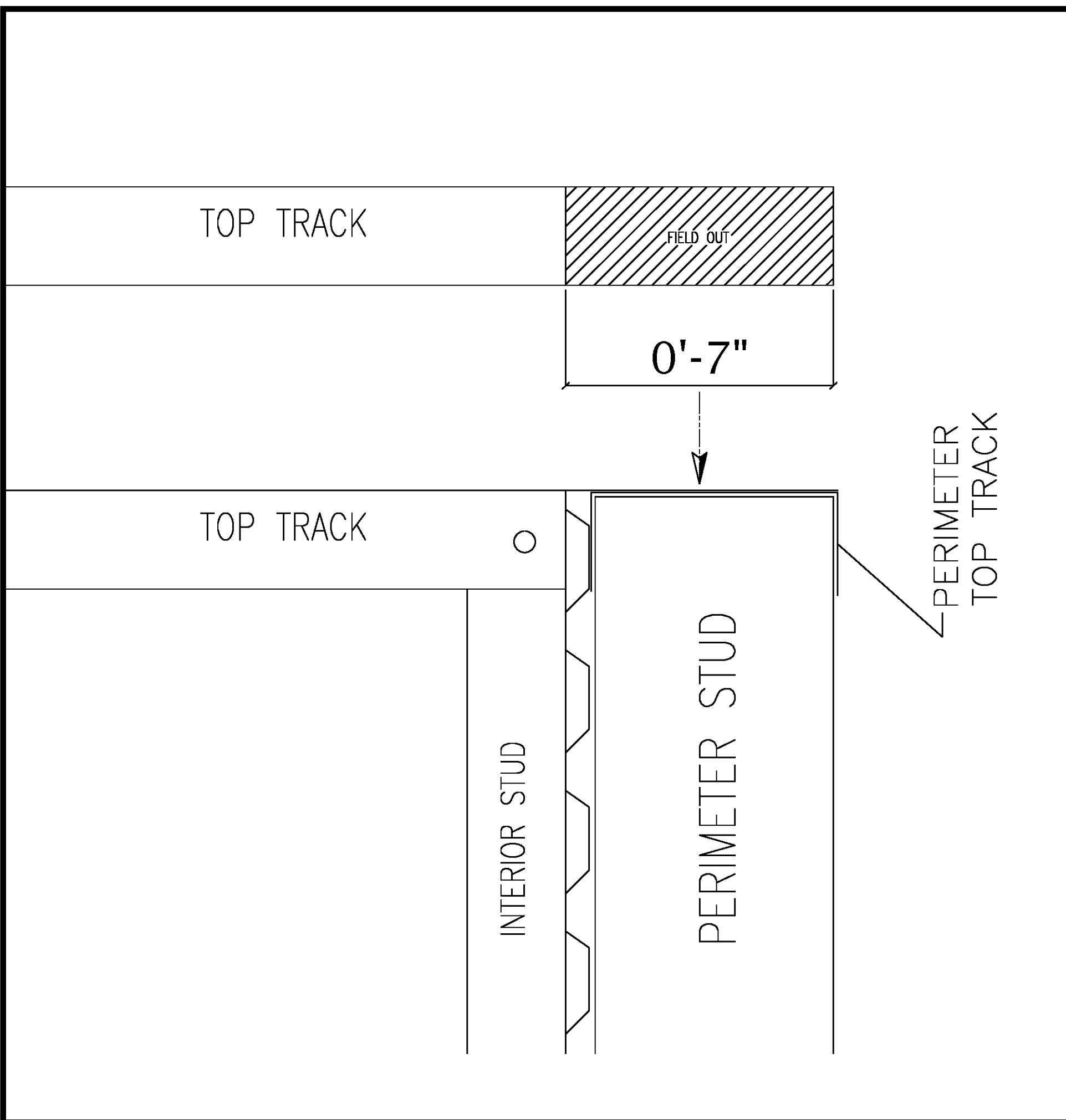
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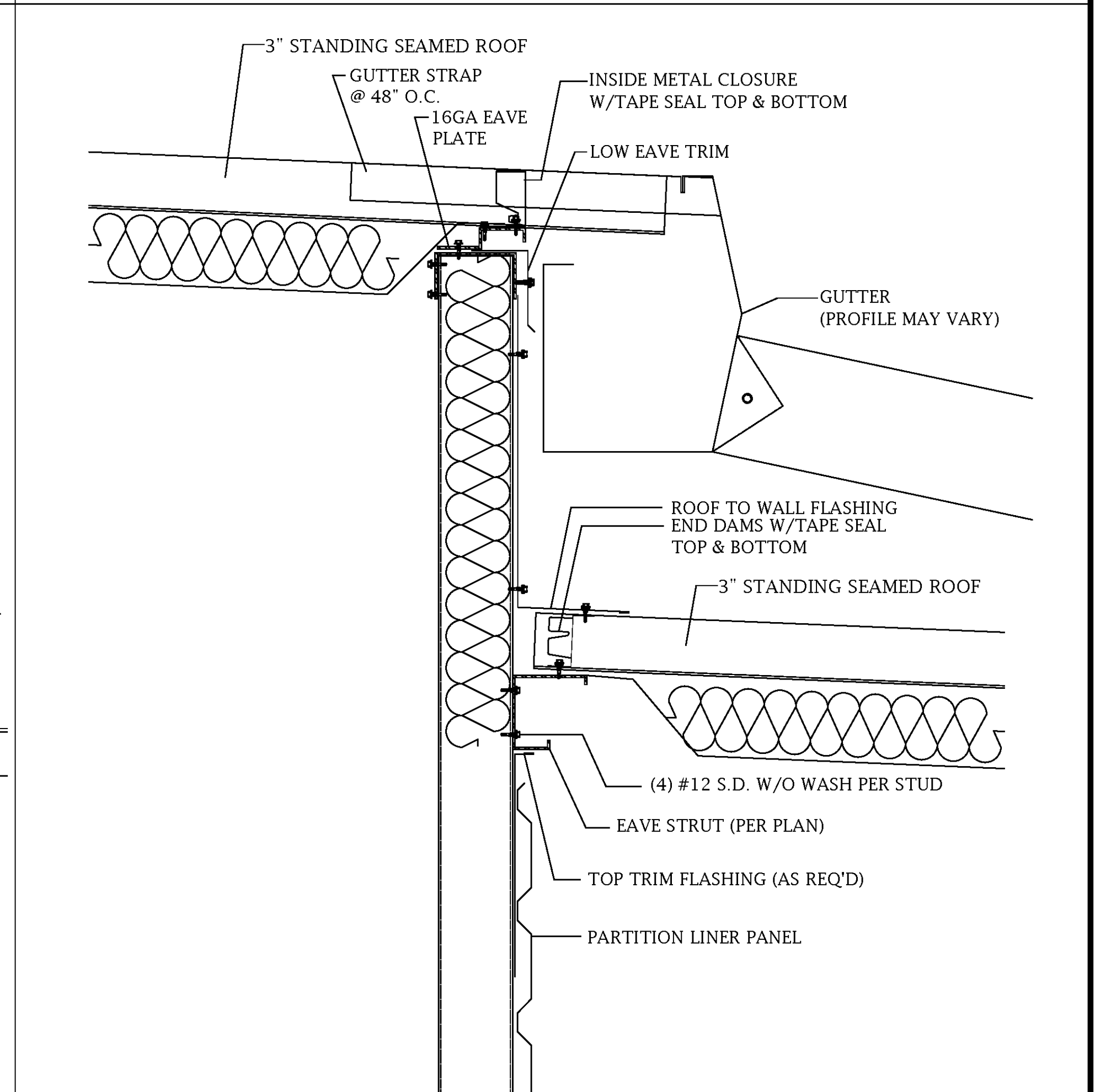
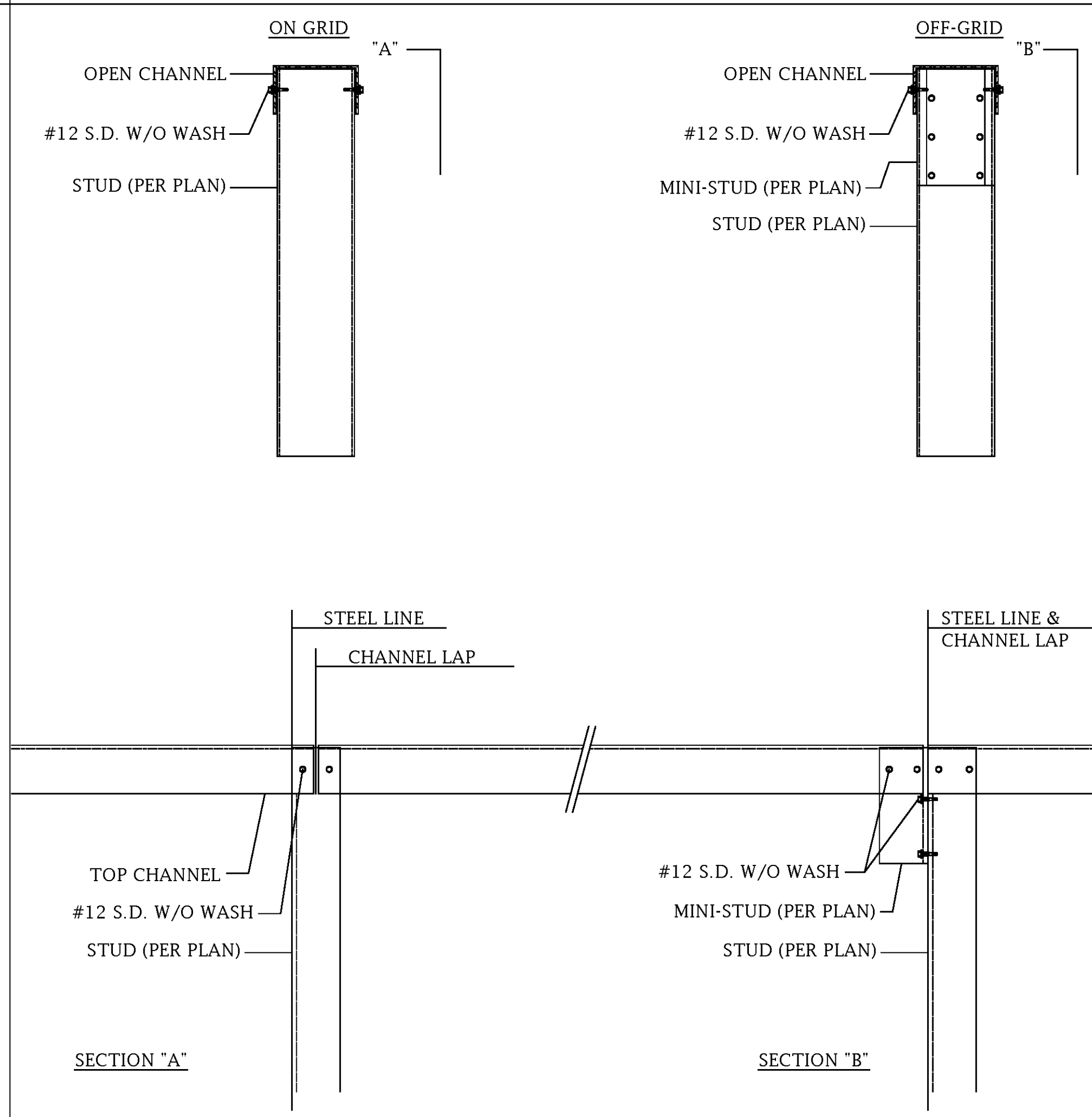
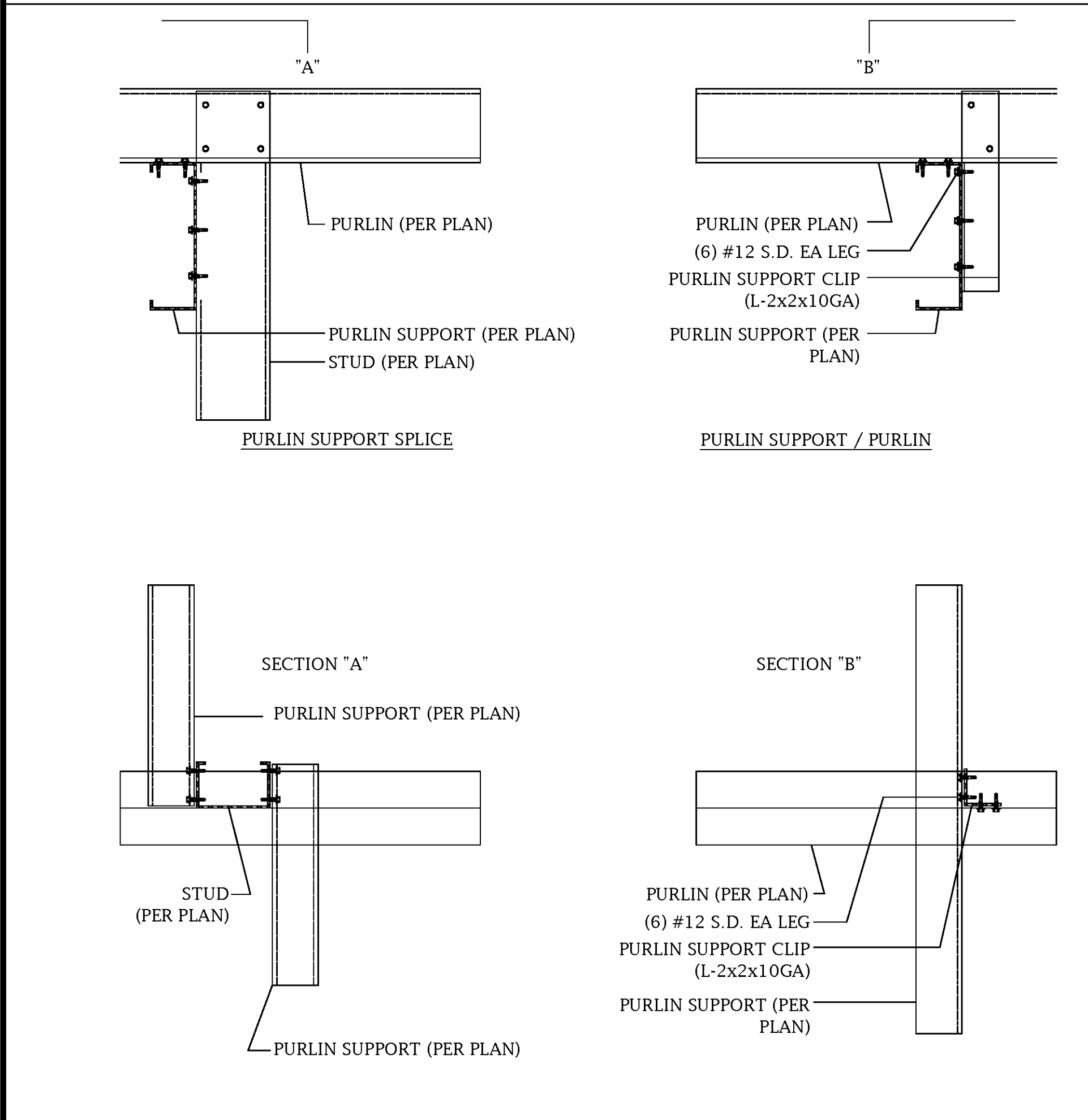
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**1** INTERIOR TOP TRACK TO EXTERIOR TOP TRACK  
FRAMING CONNECTION  
Q-10

**2** DOUBLE & TRIPLE STUD CONNECTIONS  
Q-10

**3** KICKERS FOR HIGH PARAPET WALL  
Q-10



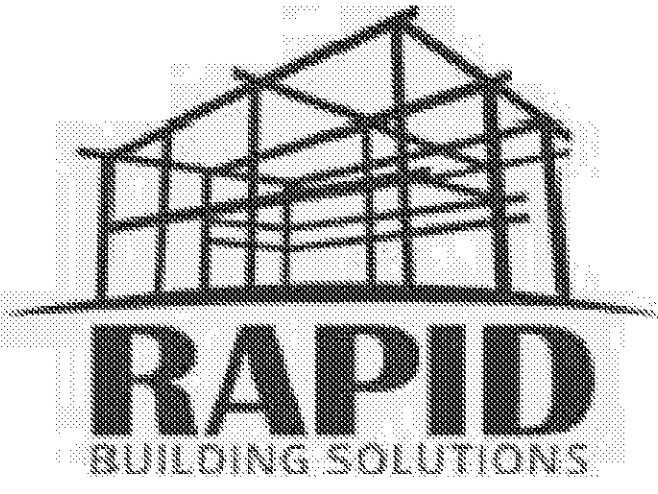
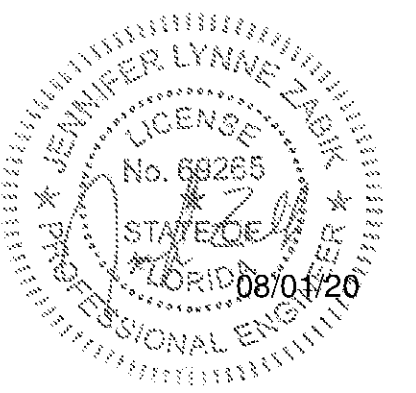
**4** TYP HEADER CONNECTION @ TOP FLOOR  
Q-10

**5** TYP TOP CHANNEL ATTACH. @ LAP  
Q-10

**6** TYP CONNECTION @ STEP  
Q-10



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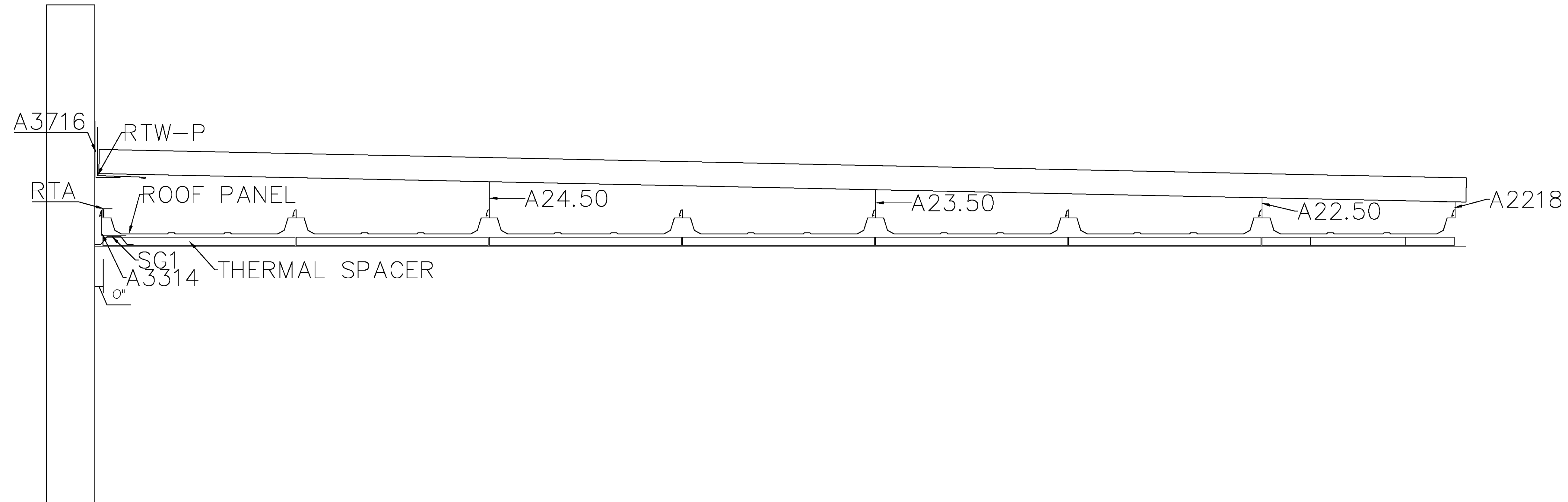
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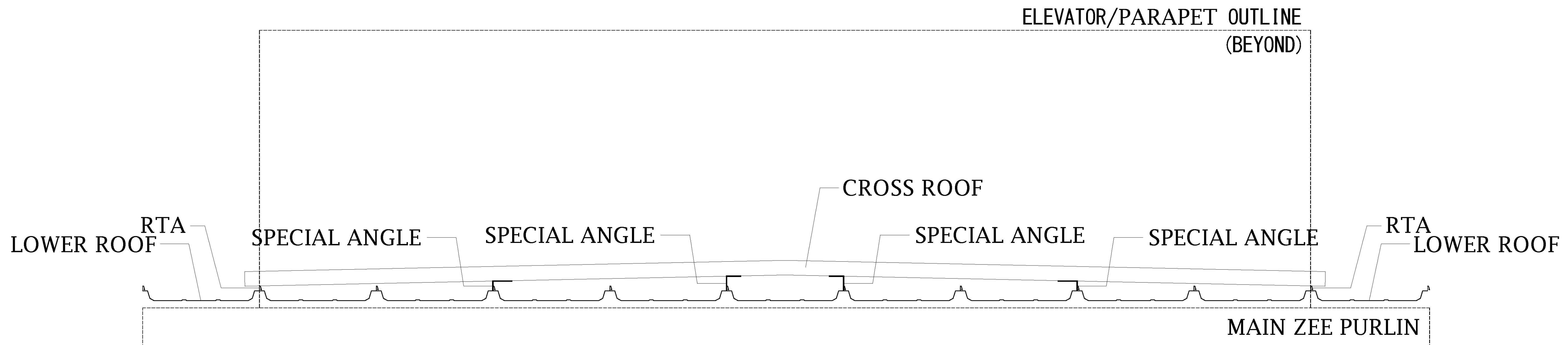
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**RBS-D-11**

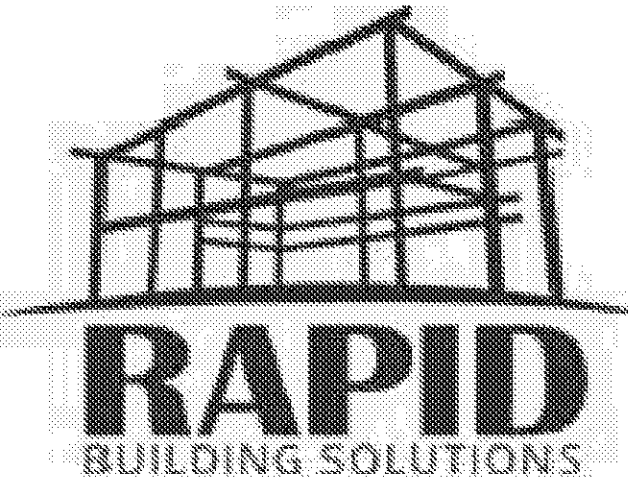
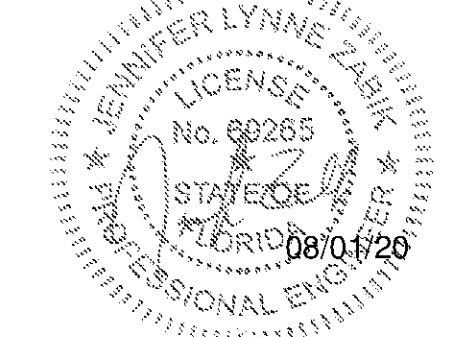


**1** END WALL PARAPET ROOF DIVERTER  
D-11 SINGLE SLOPE



**2** LOW EAVE PARAPET ROOF DIVERTER  
D-11 DOUBLE SLOPE

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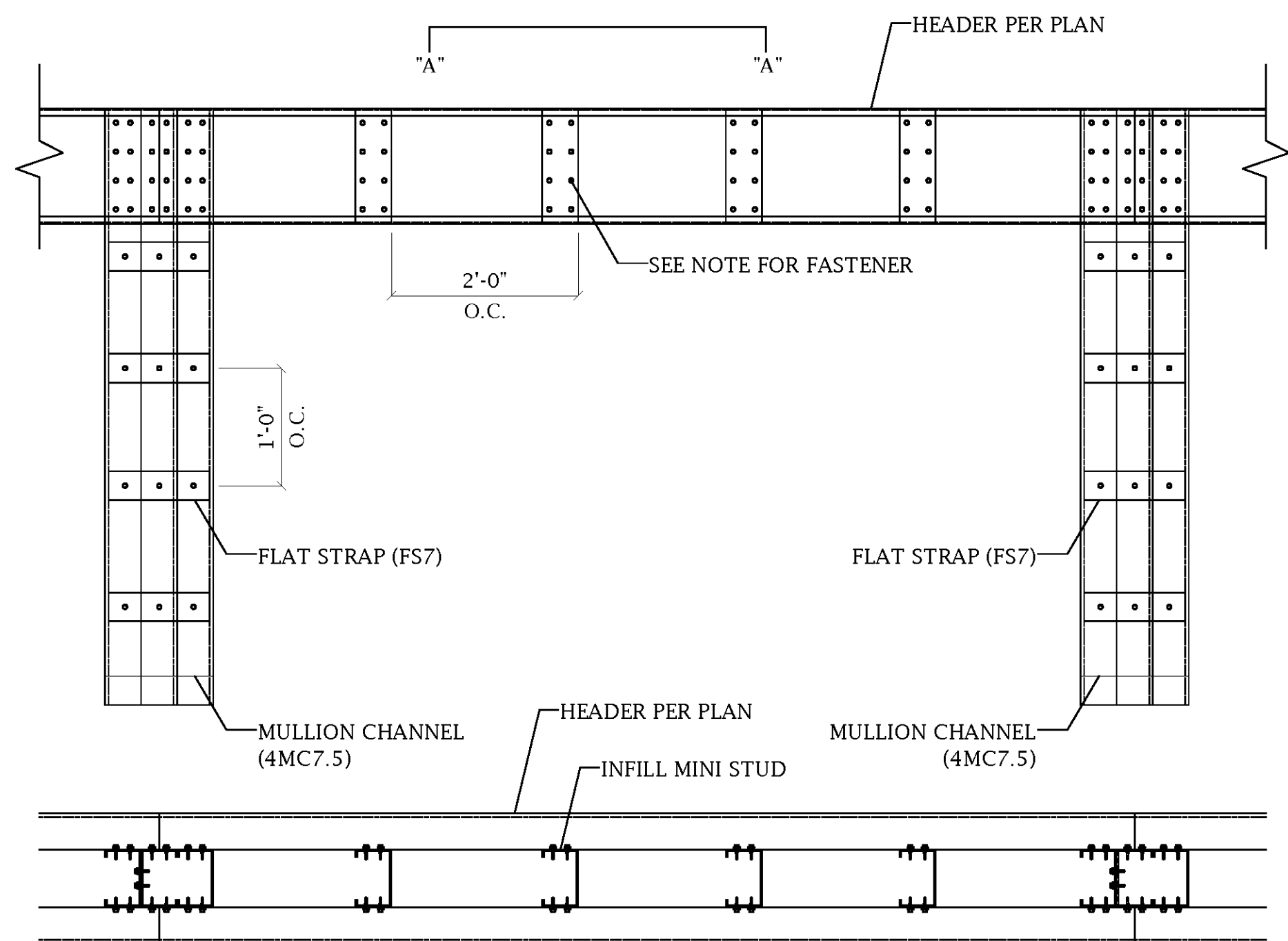
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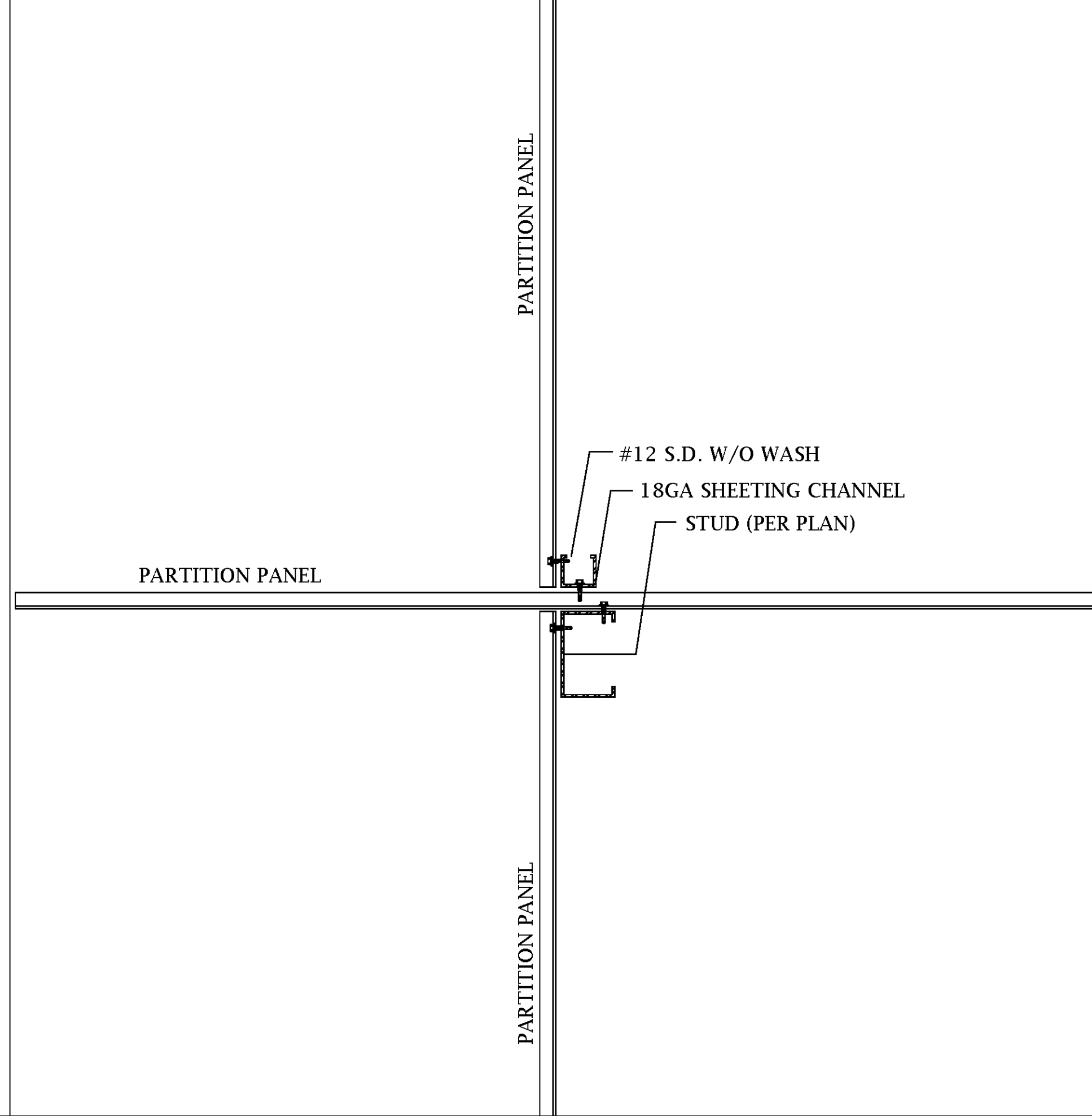


**"A-A"**

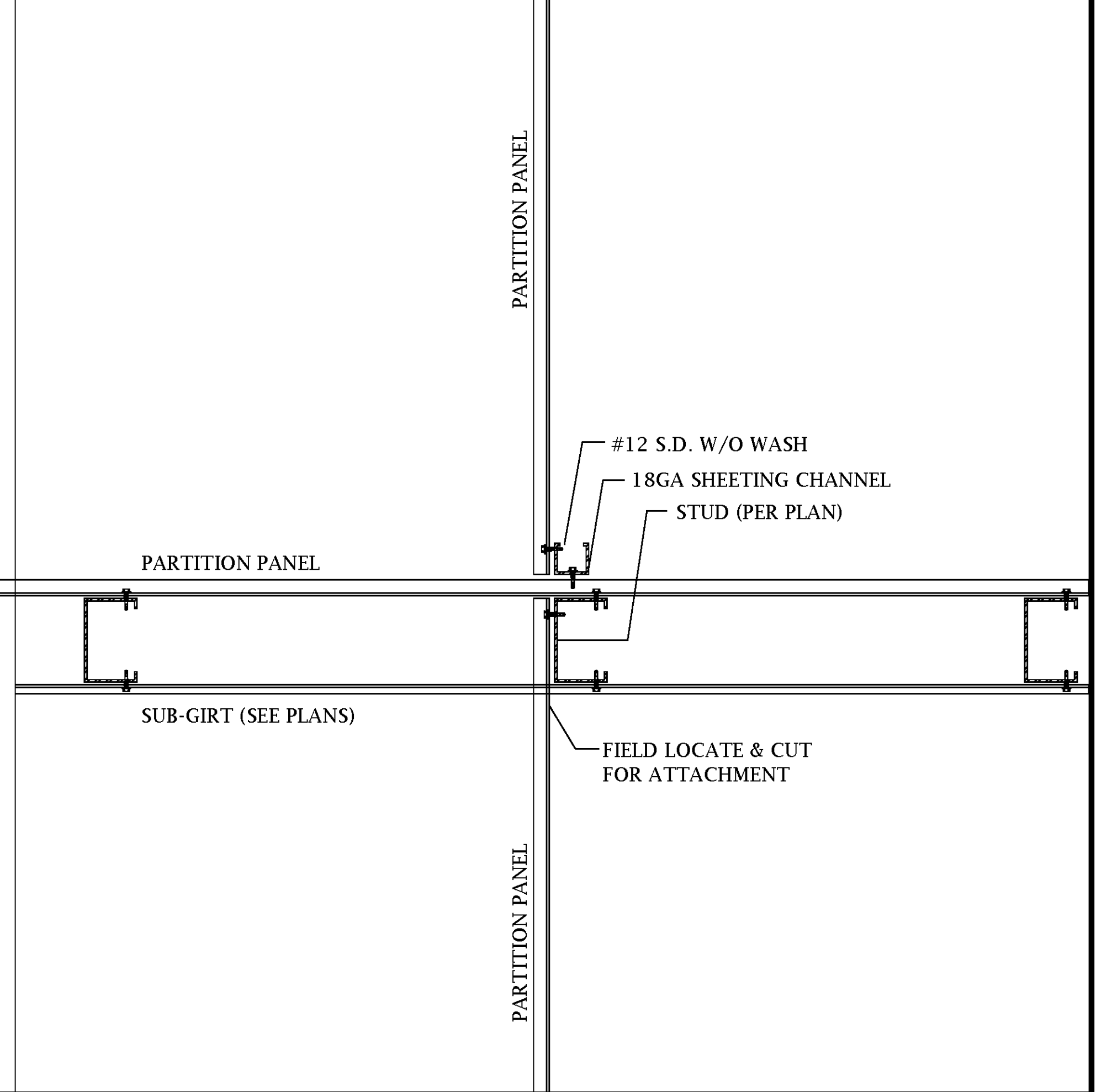
NOTE:

- 8" HEADER
- (8) #12 S.D. W/O WASH PER STUD
- 12" HEADER
- (12) #12 S.D. W/O WASH PER STUD

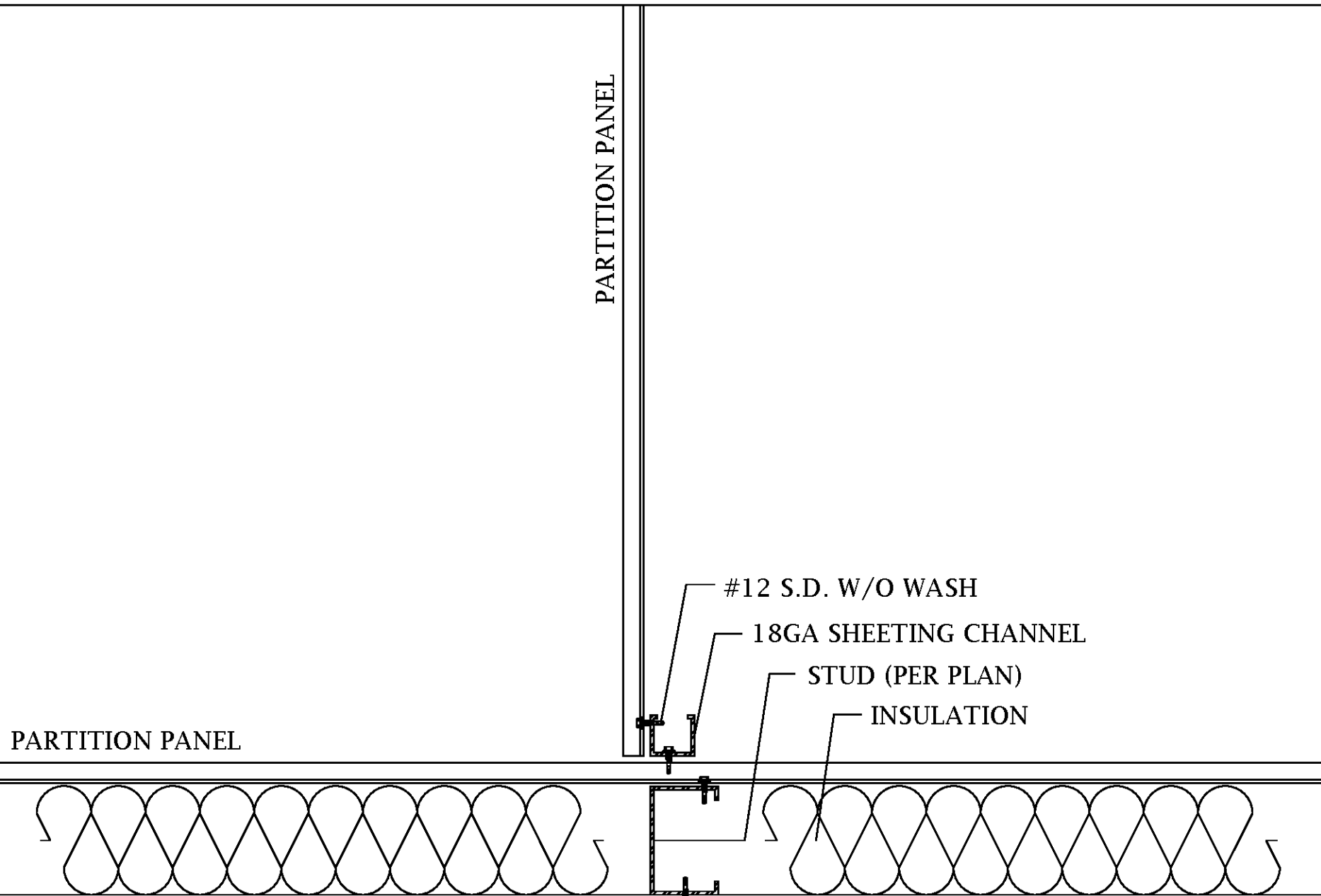
**1** H4/H7 HEADERS 10'-0 SPAN FRAMING  
Q-12



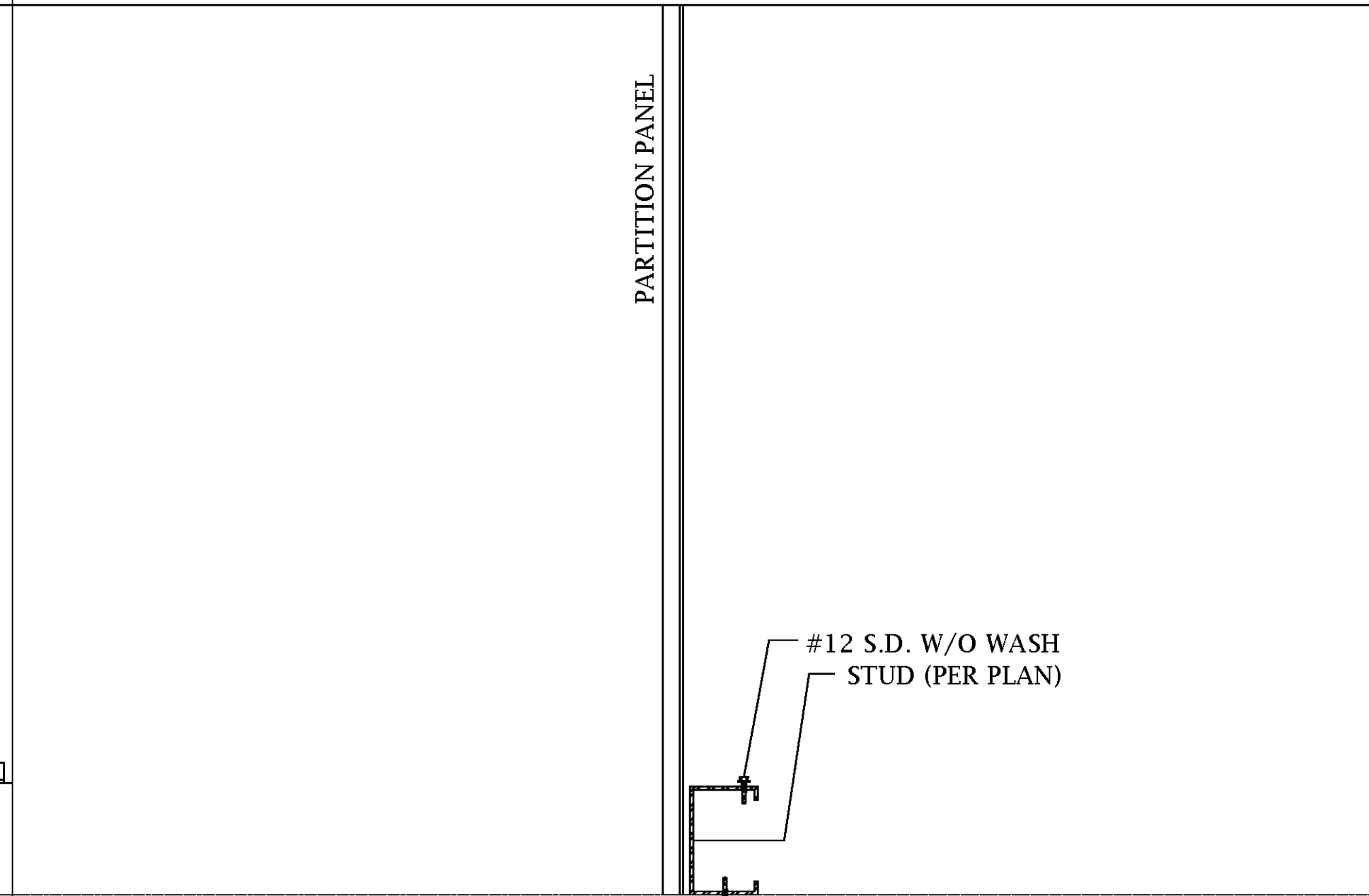
**2** TYP PARTITION CONNECTION @ TOP FLOOR  
Q-12



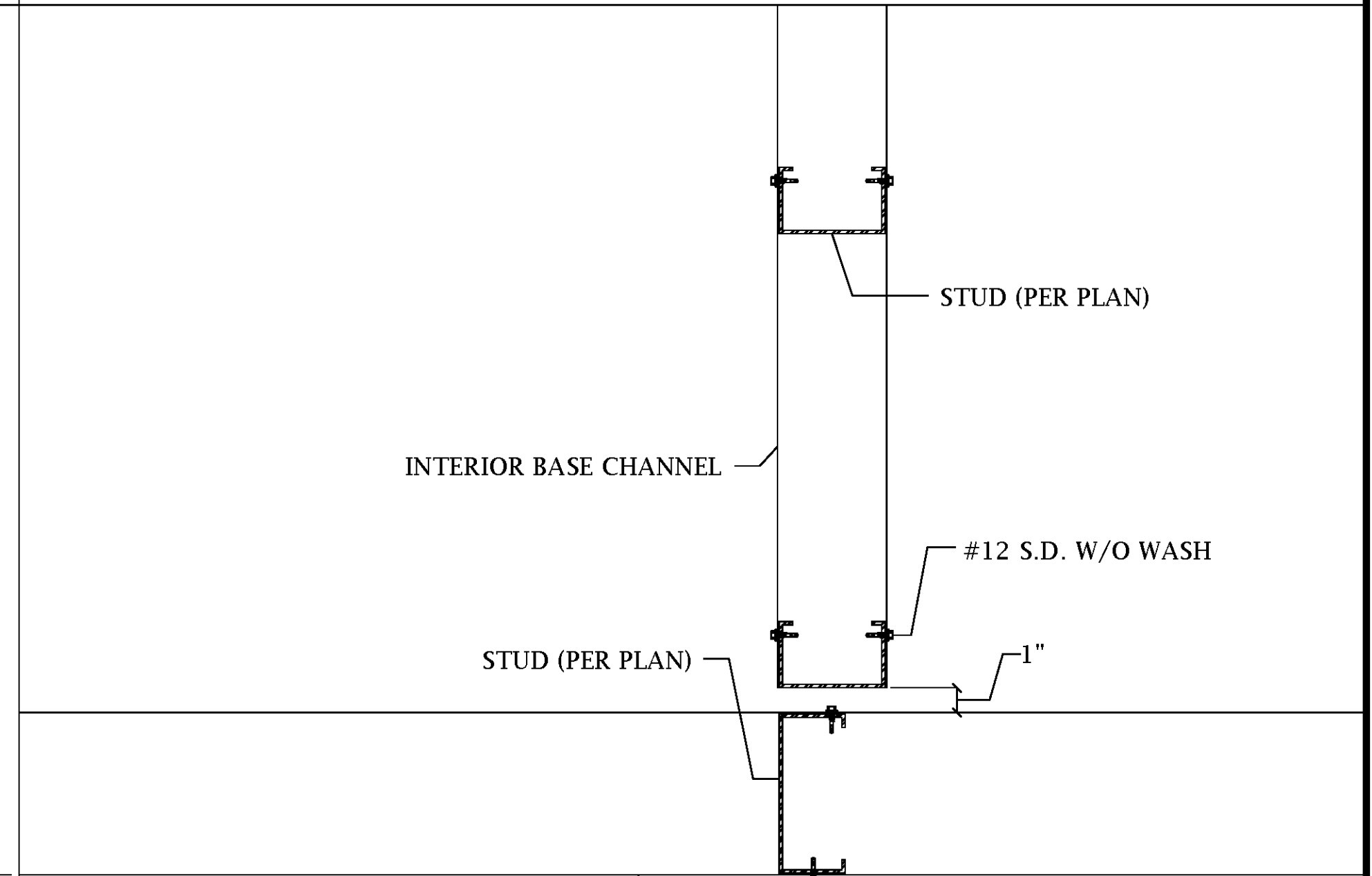
**3** TYP PARTITION CONNECTION @ BOTTOM FLOORS  
Q-12



**4** TYP PARTITION CONNECTION @ PERIMETER  
@ WALL INS. BUILDINGS  
Q-12

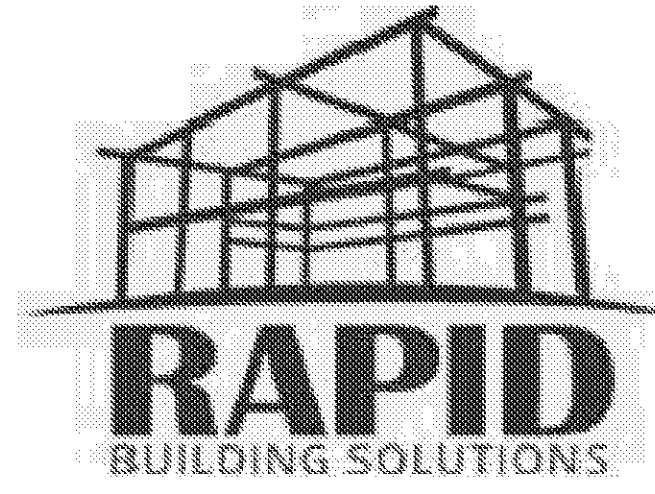
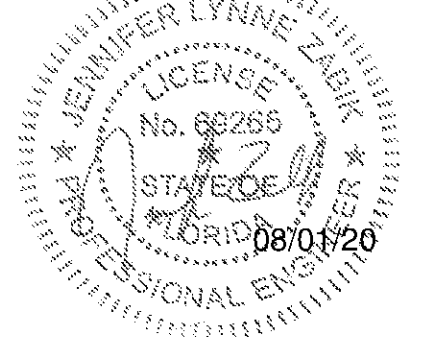


**5** TYP PARTITION CONNECTION @ PERIMETER  
@ NON WALL INS. BUILDINGS  
Q-12



**6** TYP BOTTOM CONNECTION @ PERIMETER  
Q-12

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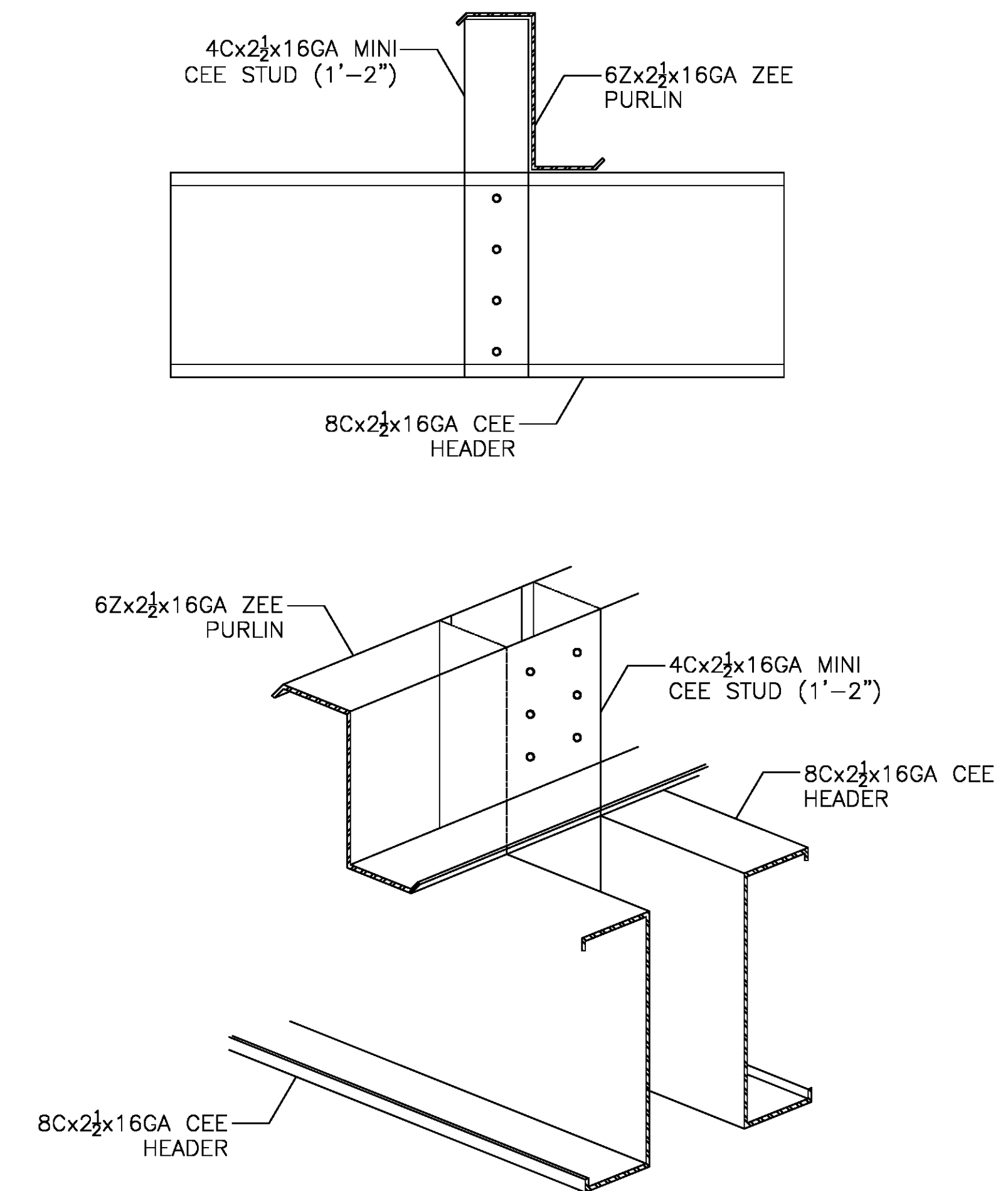
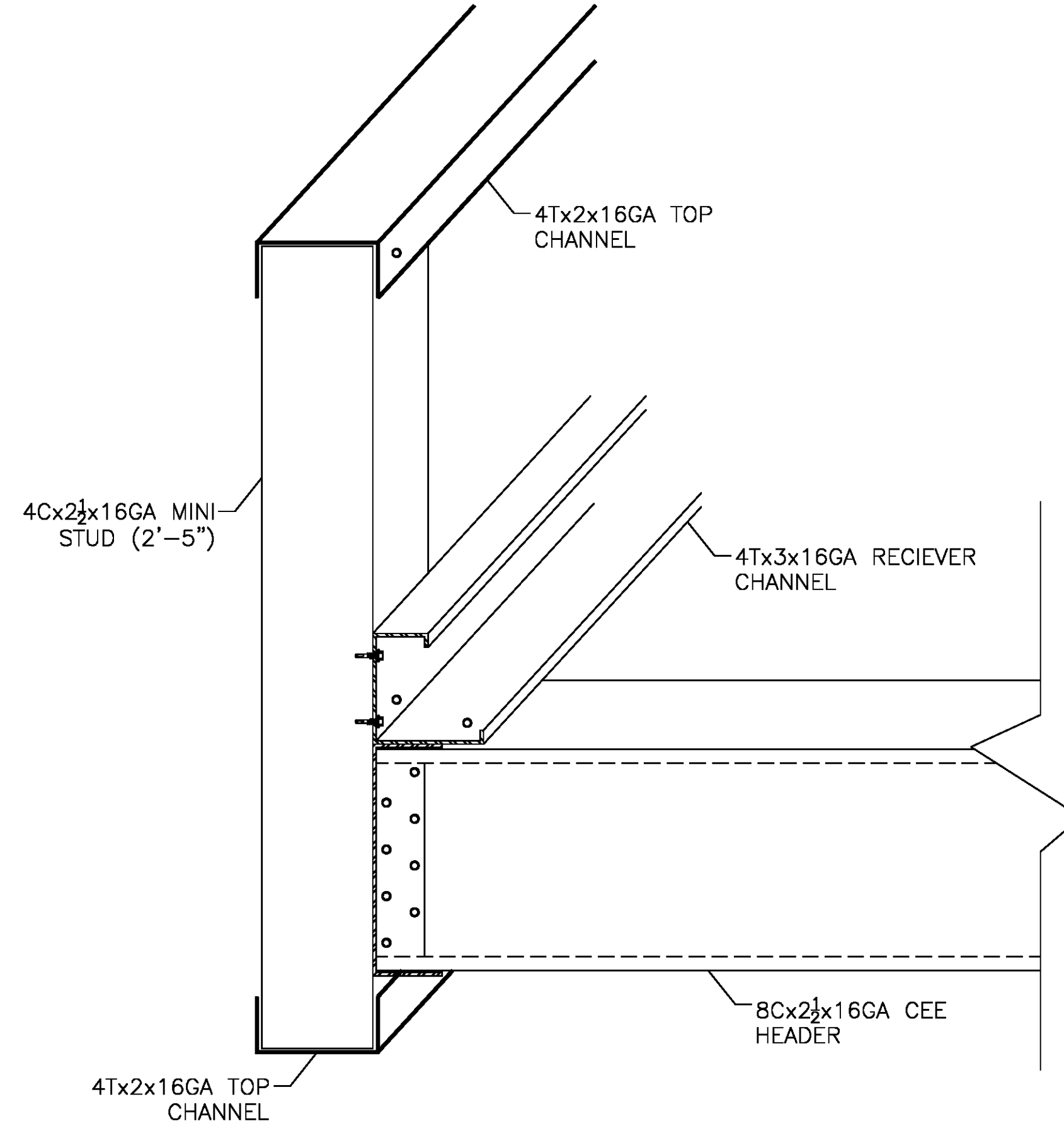
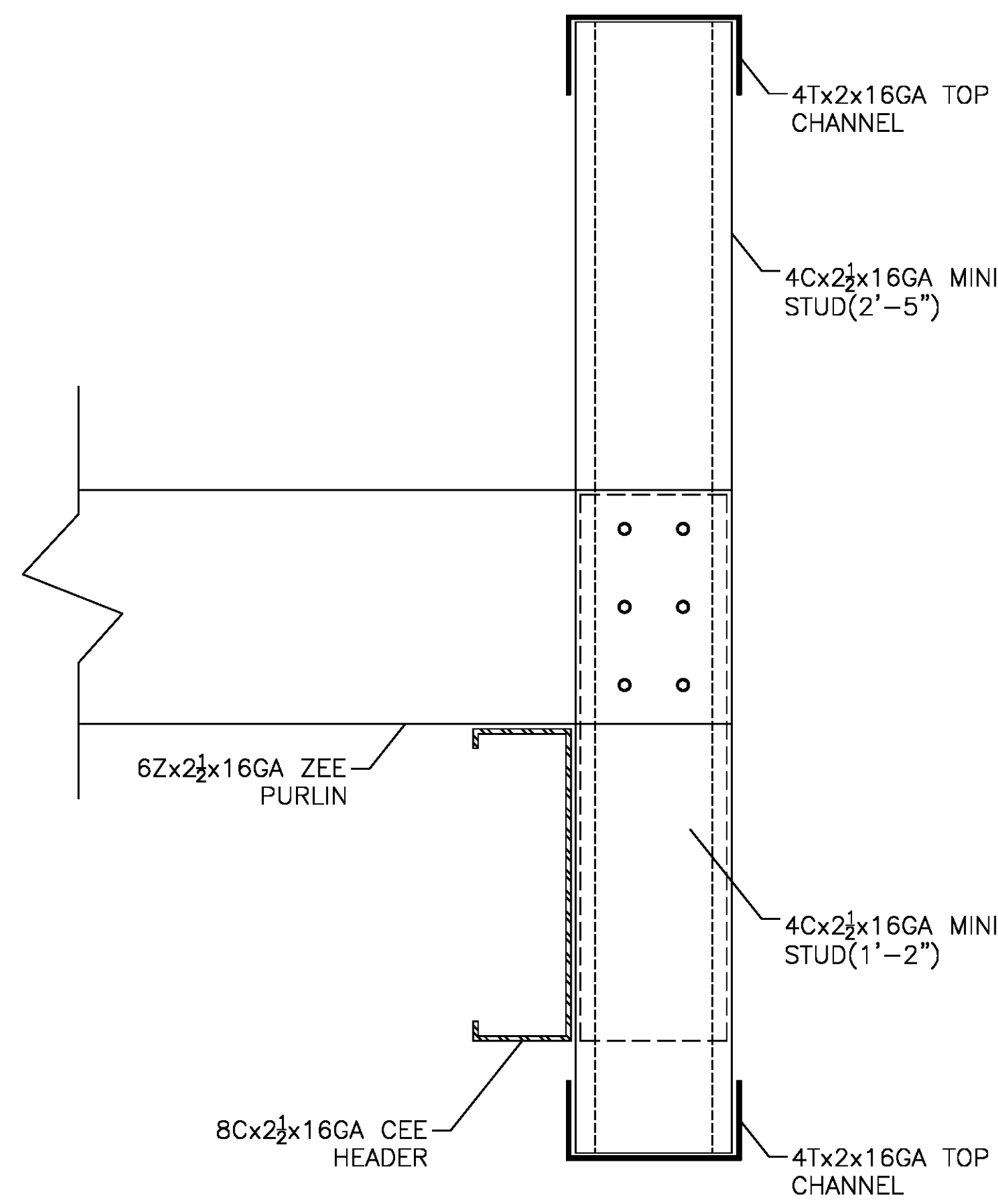
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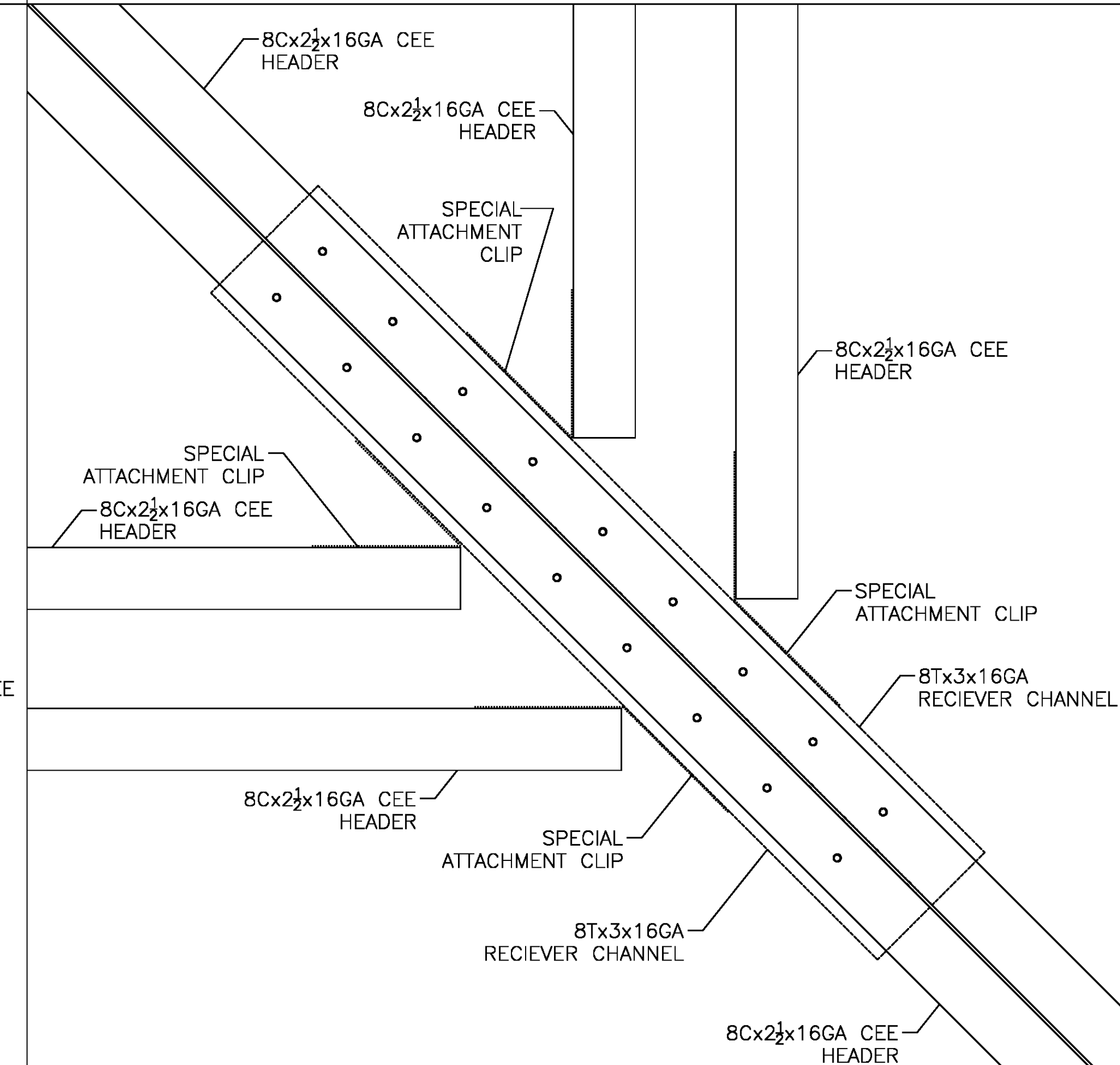
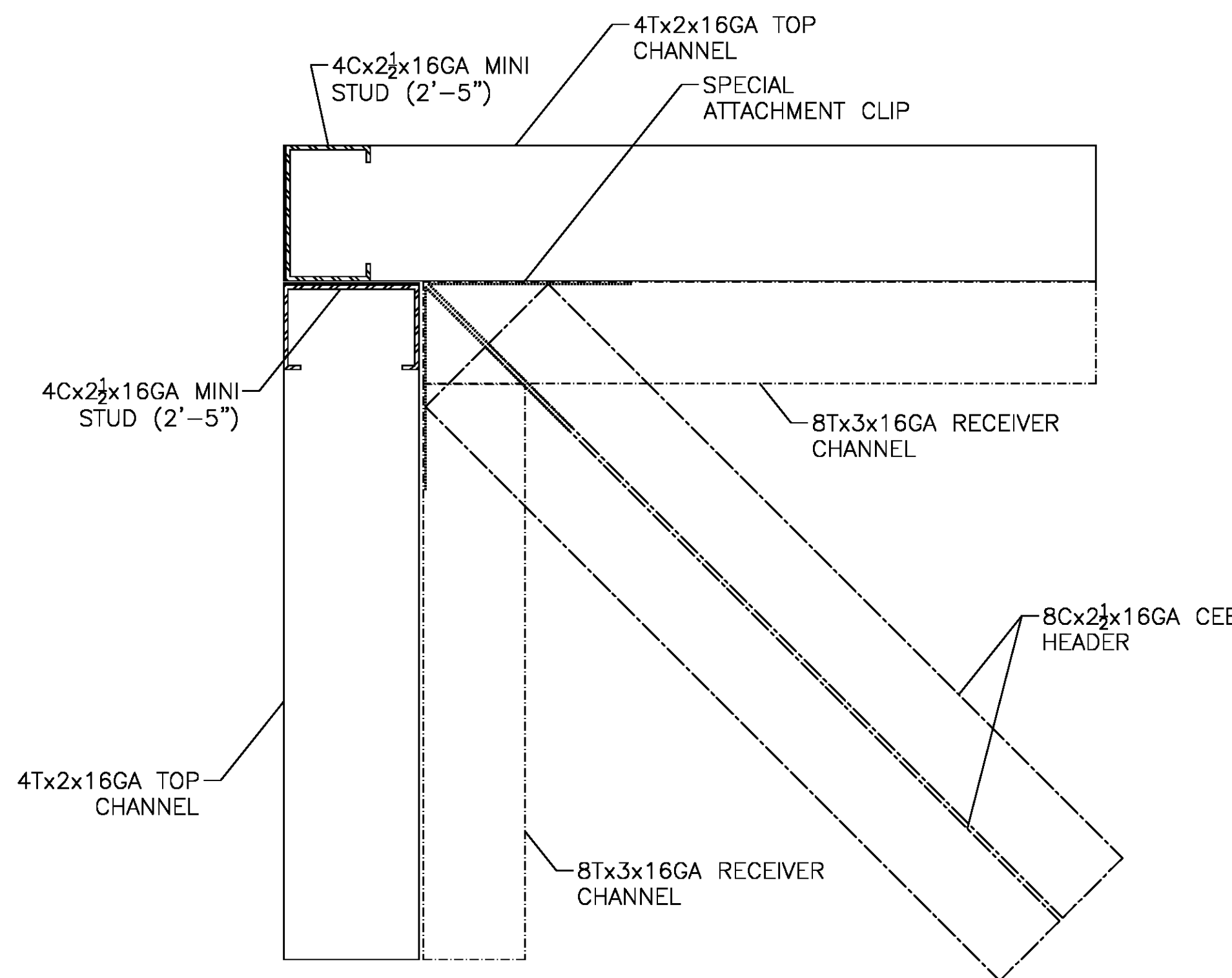
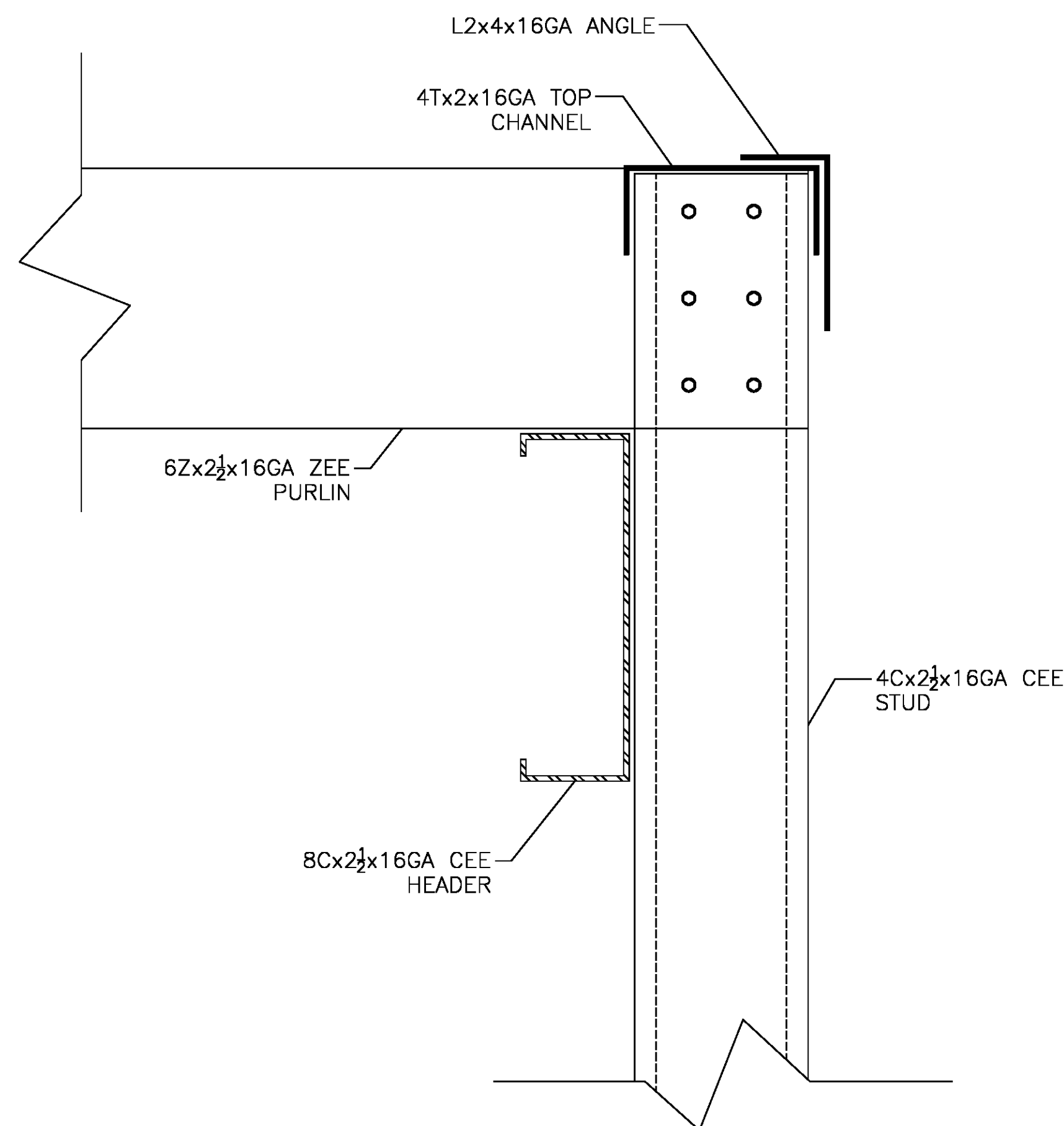
INITIALS OF GC/OWNER



**1**  
D-13  
**ELEVATED CANOPY SECTION**

**2**  
D-13  
**ELEVATED CANOPY SECTION**

**3**  
D-13  
**ELEVATED CANOPY SECTION**

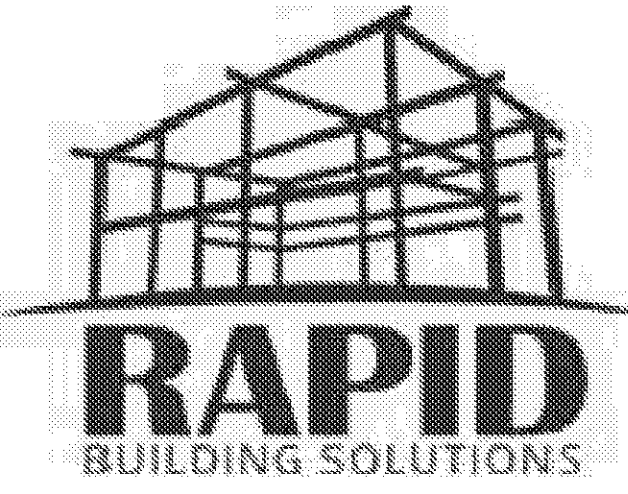
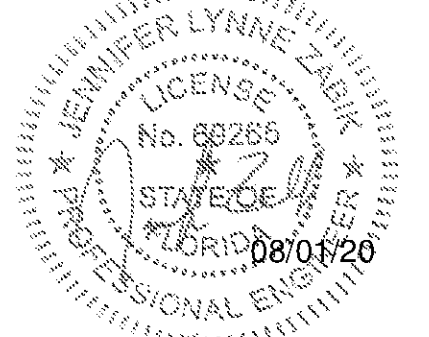


**4**  
D-13  
**ELEVATED CANOPY SECTION**

**5**  
D-13  
**ELEVATED CANOPY SECTION**

**6**  
D-13  
**ELEVATED CANOPY SECTION**

SEALS



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Winter Garden, FL 34787  
Phone: (407) 347-9614

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rapidbuildingsolutions.com

**JOB NAME:**  
Bee Safe  
Mariner Village  
Stuart, Florida

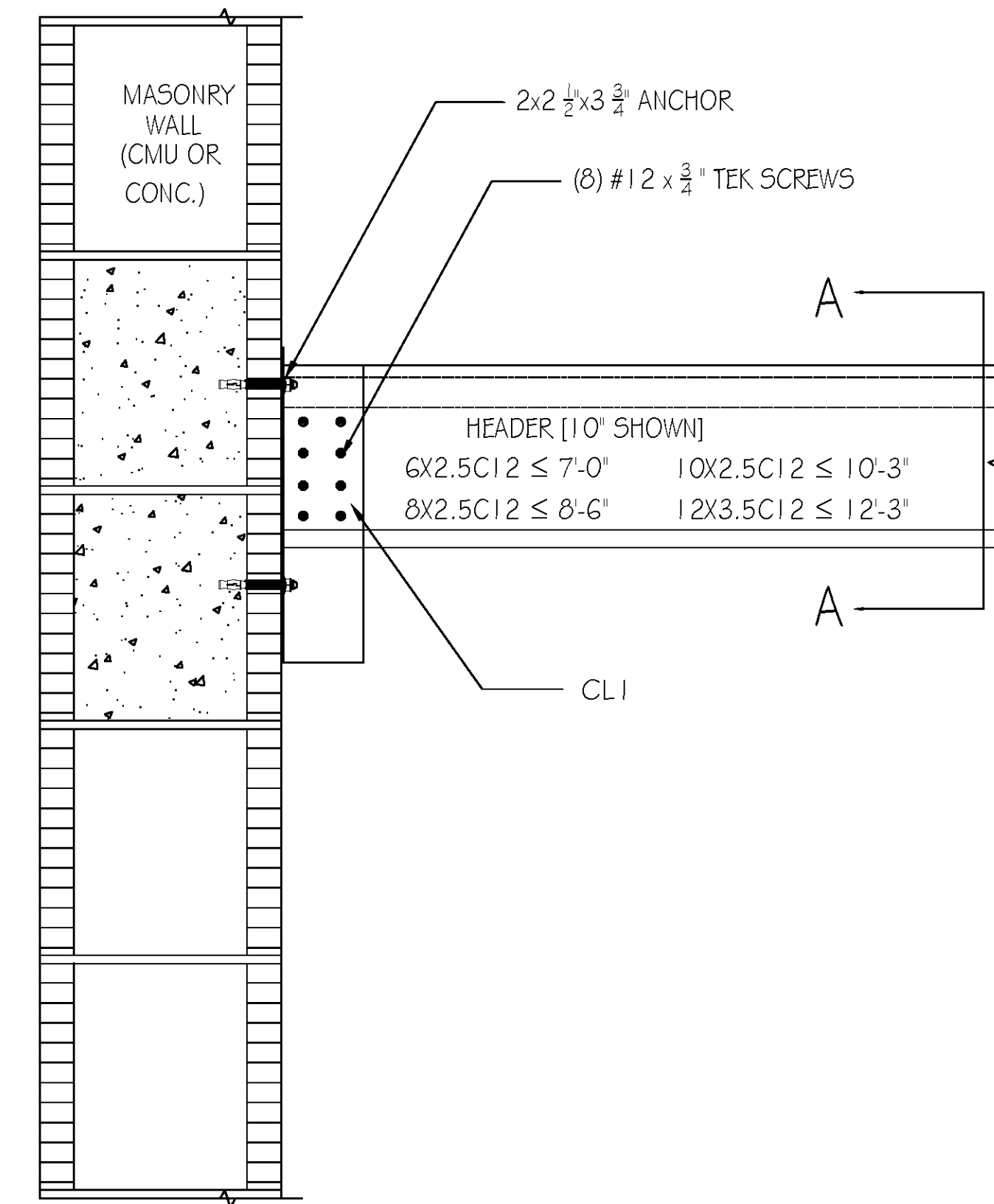
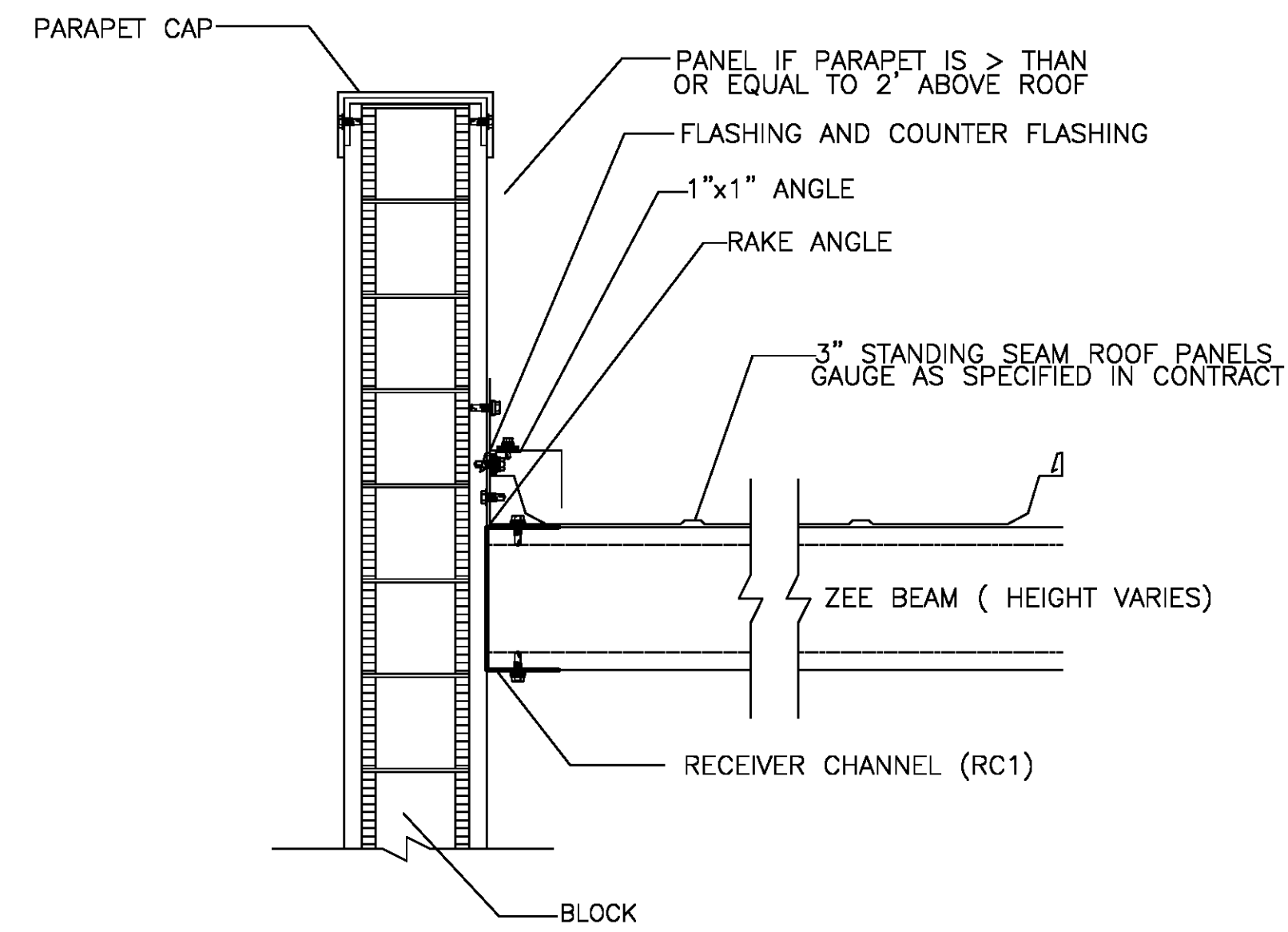
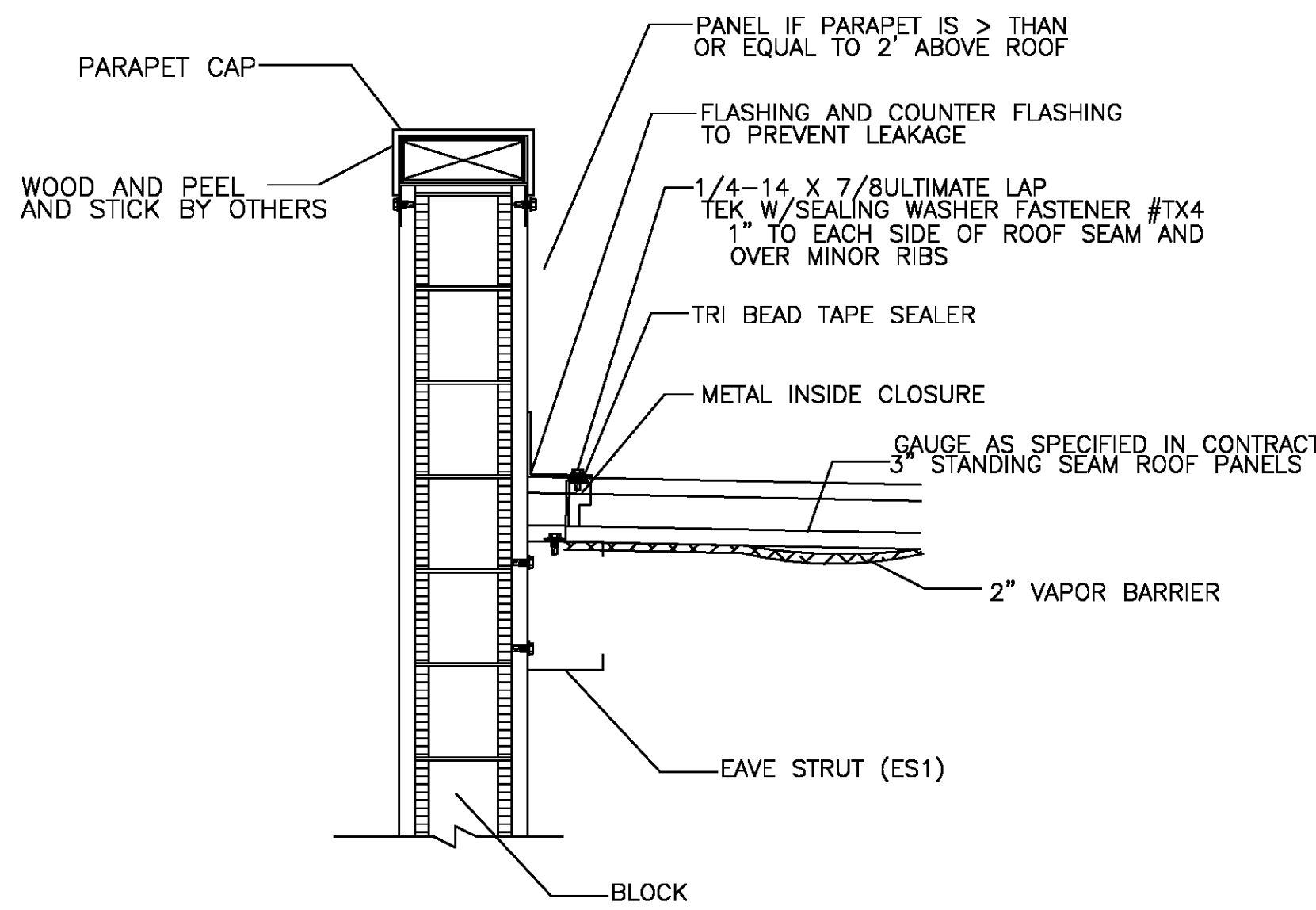
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294-20-STU-FL

REV	DATE	DESCRIPTION	APP
1	06-09-20	Layout Review	JL
2	06-10-20	Layout Review	JL
3	06-11-20	Layout Review	JL
4	06-12-20	Layout Review	RG
5	06-16-20	Layout Review	RG
0	07-22-20	Review Set	RG
1	07-29-20	Review Set	RG
2	07-30-20	Review Set	RG
3	08-01-20	Review Set	RG

ISSUE DATE: June 09, 2020  
DESIGNED BY: RBS DRAWN BY: RBS-JL  
CHECKED BY: RBS SUBMITTED BY: JZ

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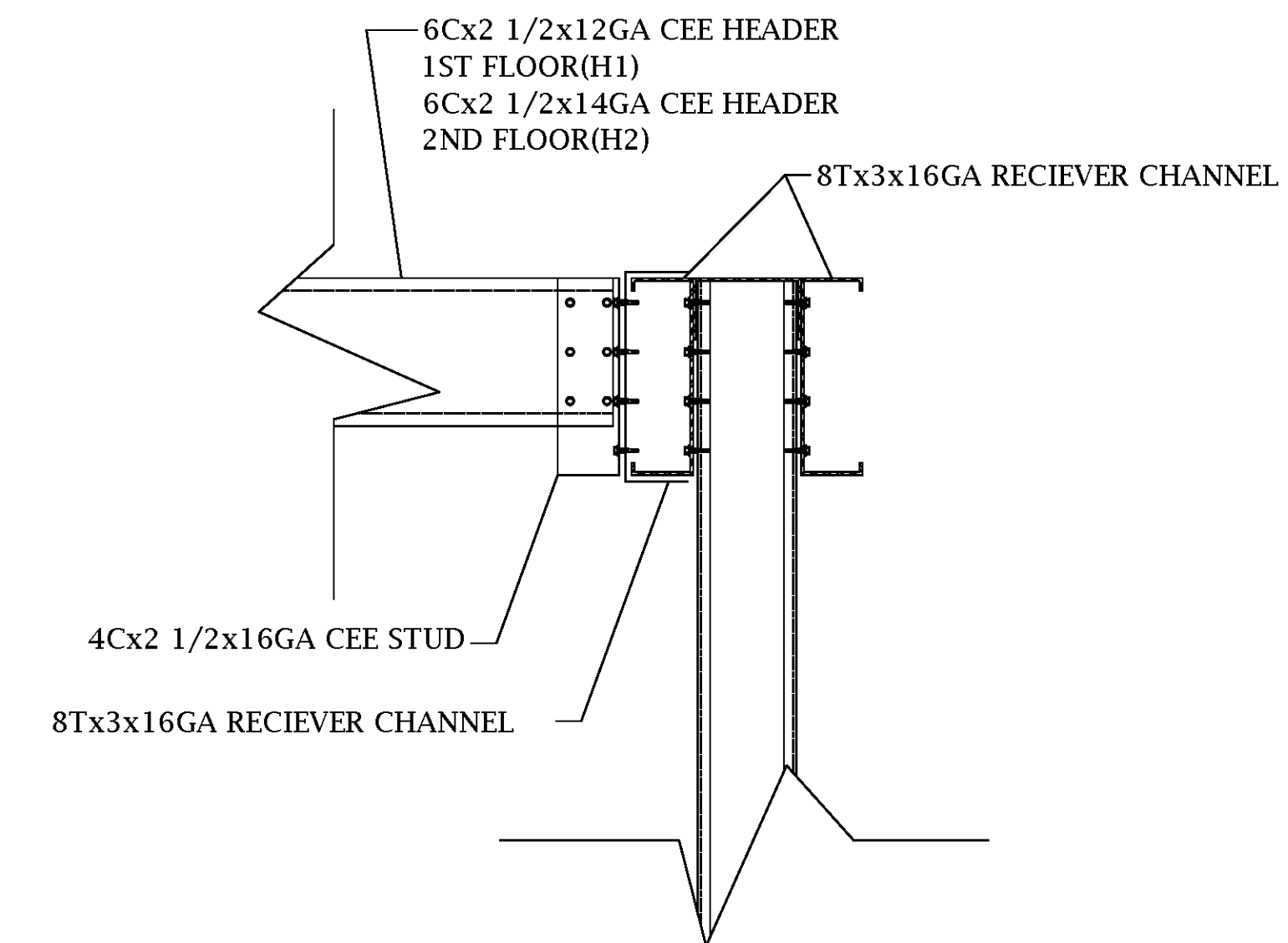
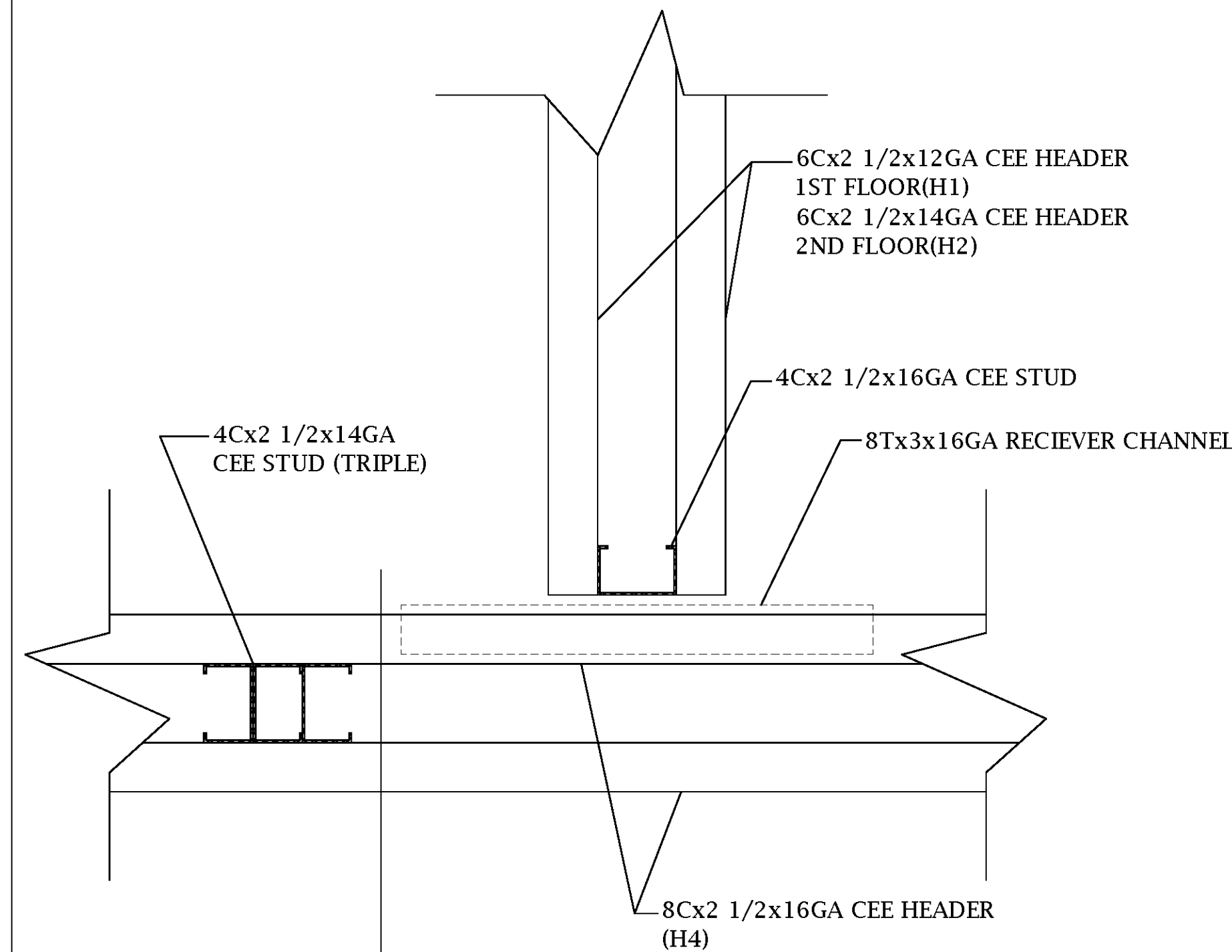
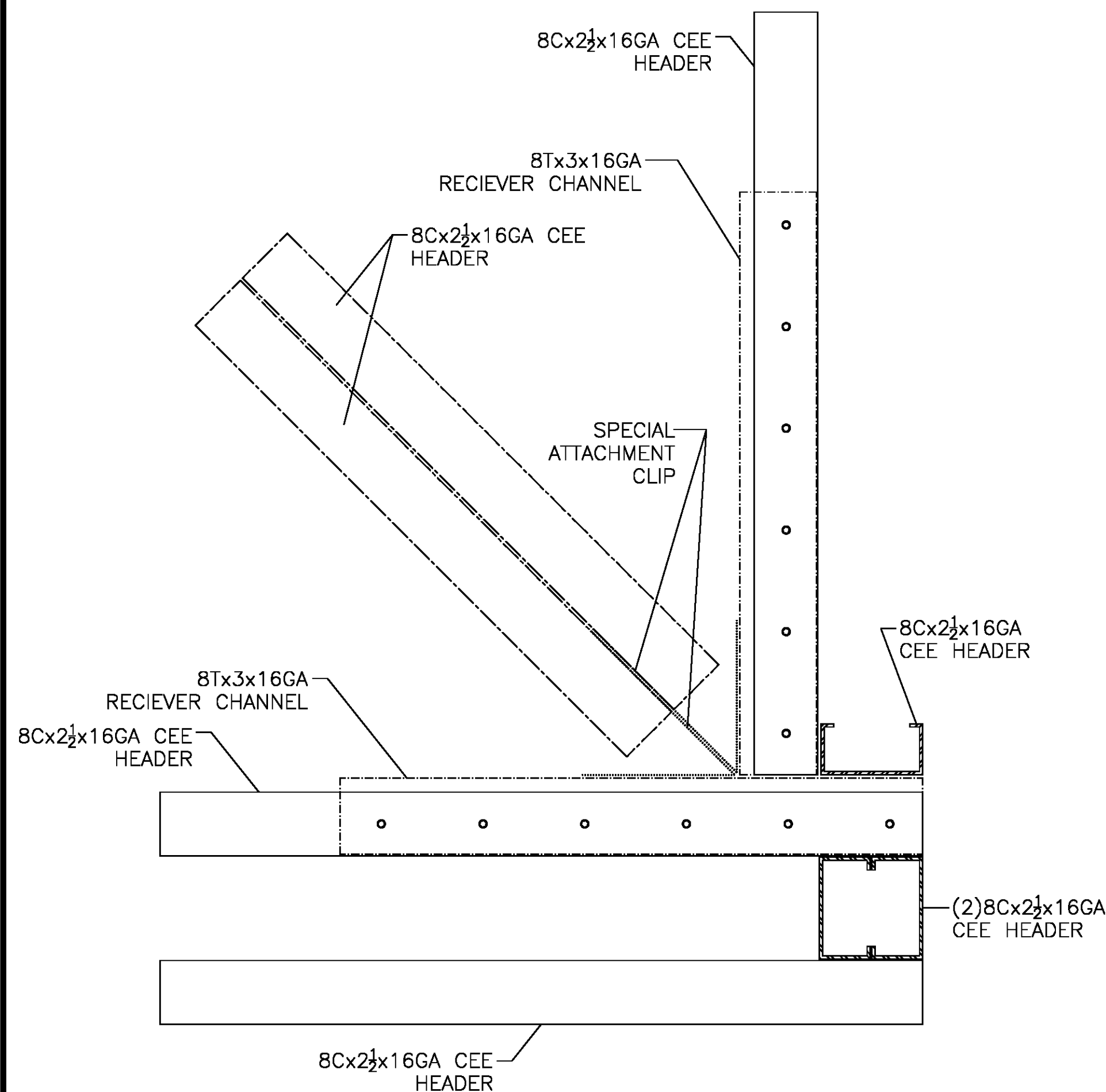
INITIALS OF GC/OWNER



1 HIGH SIDE PARAPET  
Q-14

2 END WALL PARAPET  
Q-14

3 HEADER TO CMU CLIP  
Q-14

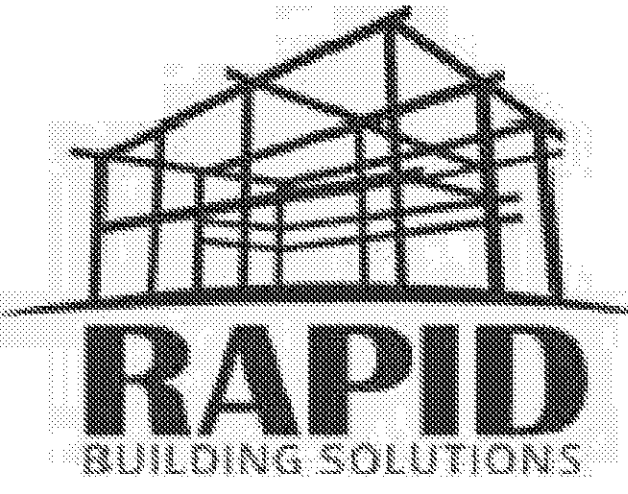
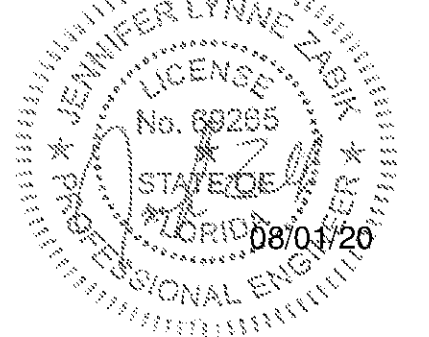


4 ELEVATED CANOPY SECTION  
Q-14

5 SPECIAL CONNECTION  
Q-14

6 SPECIAL CONNECTION  
Q-14

SEALS



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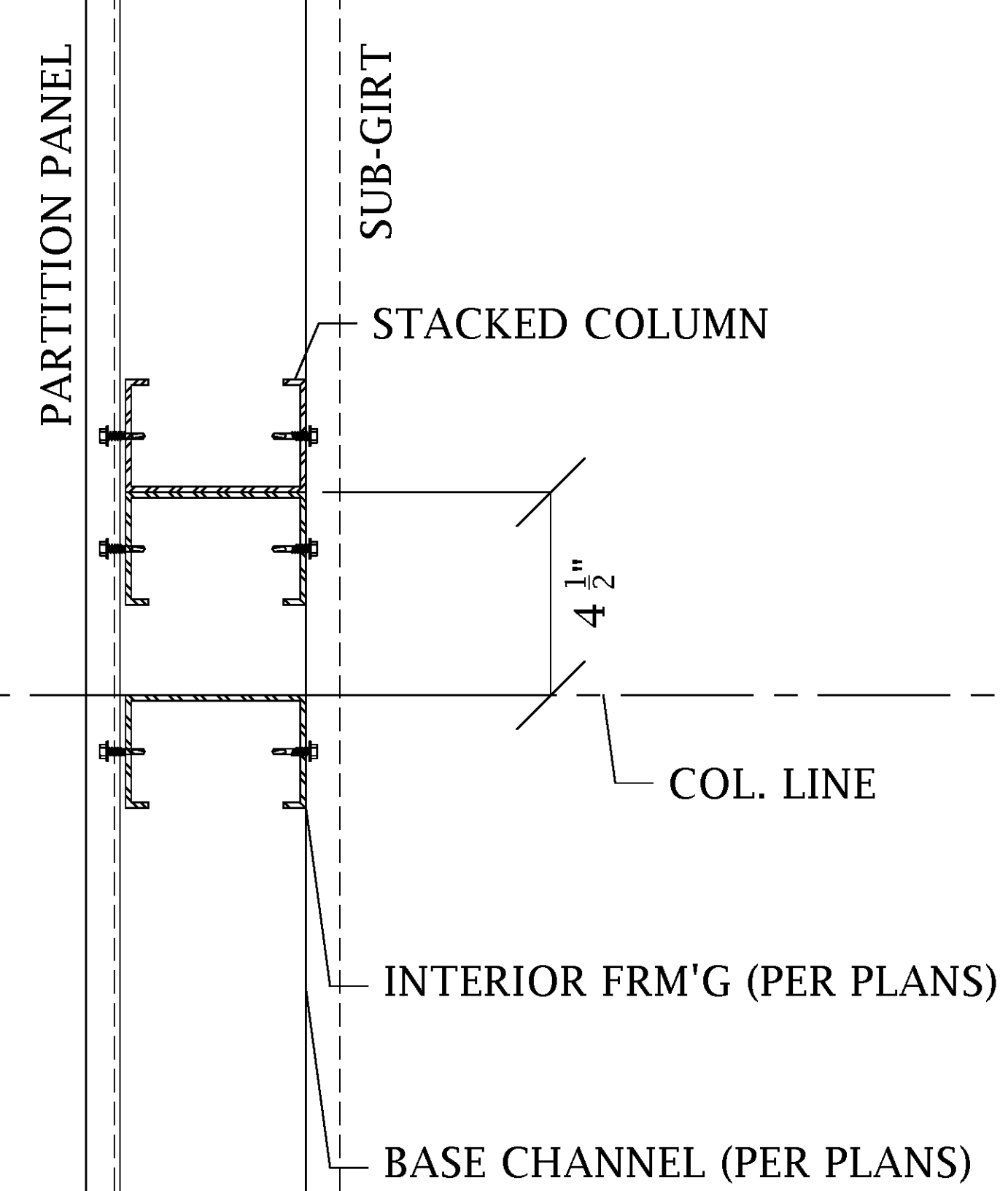
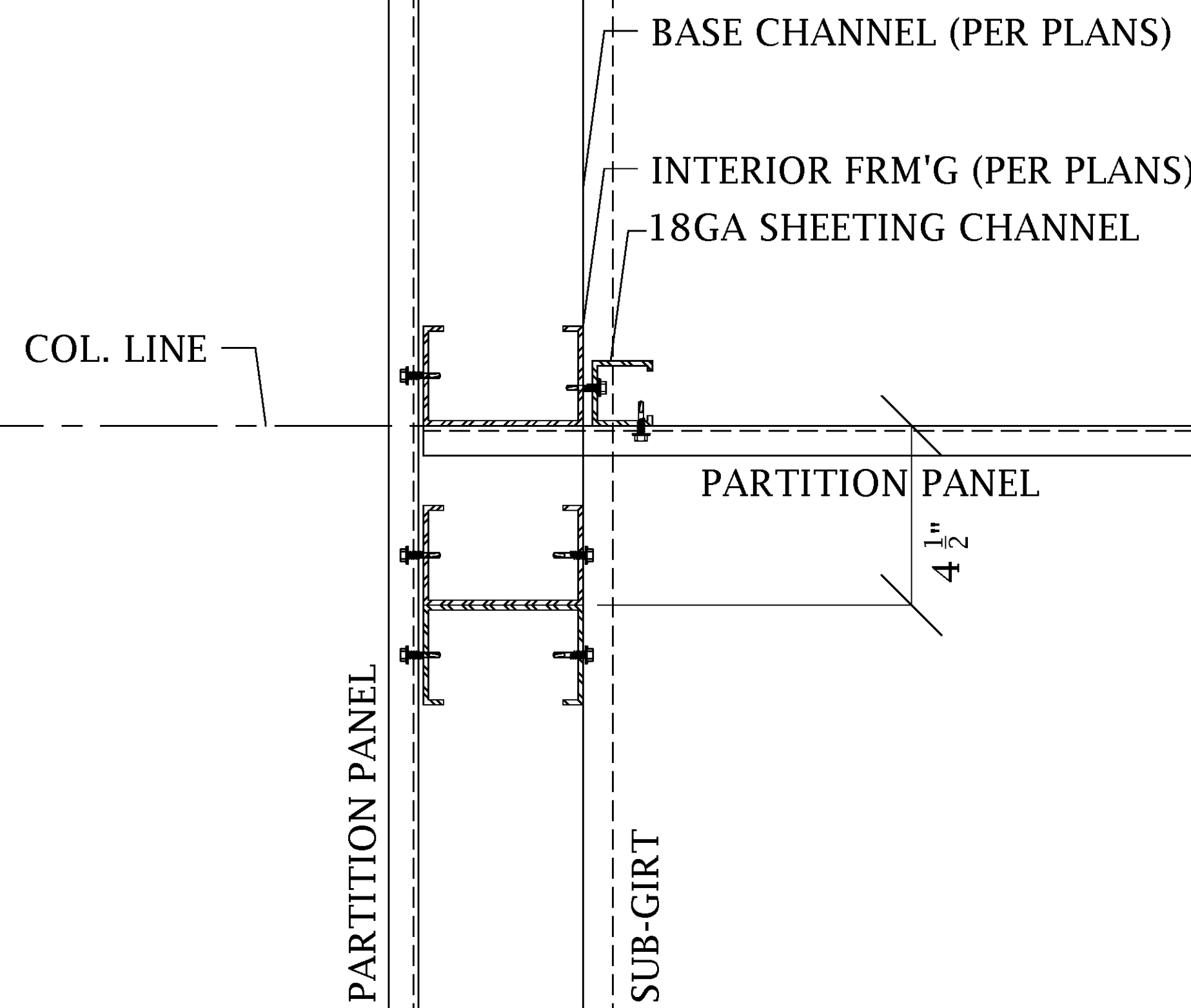
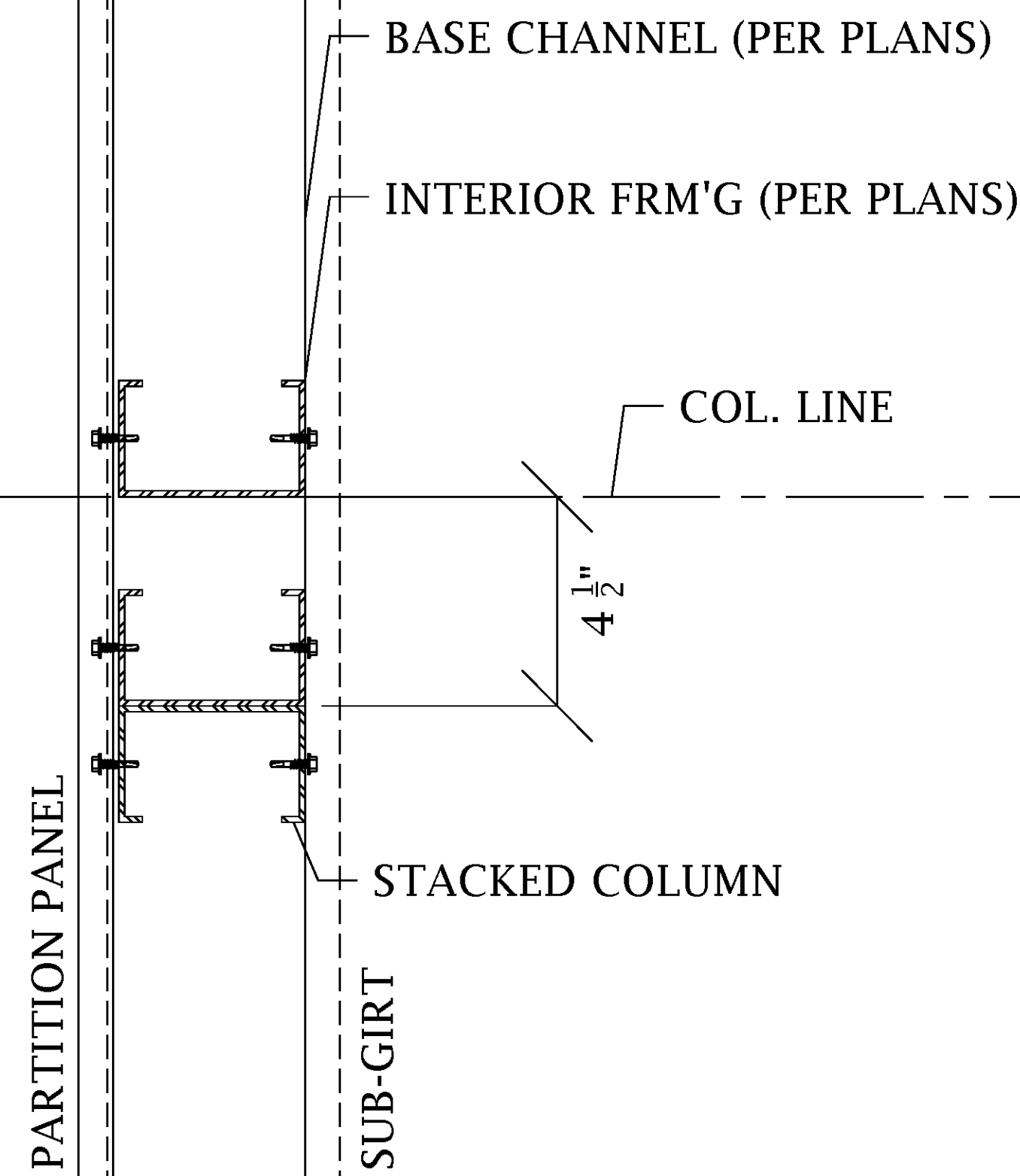
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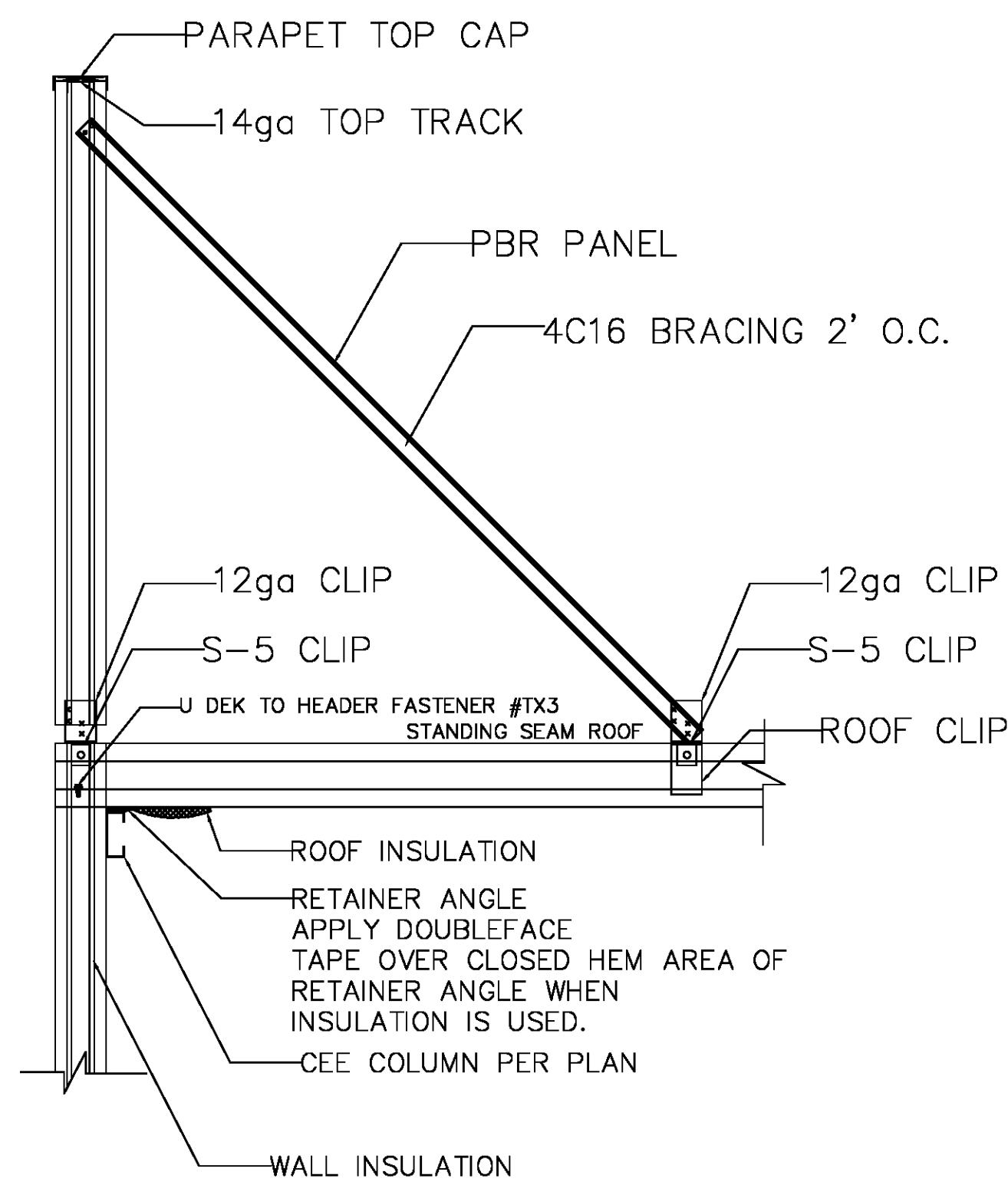
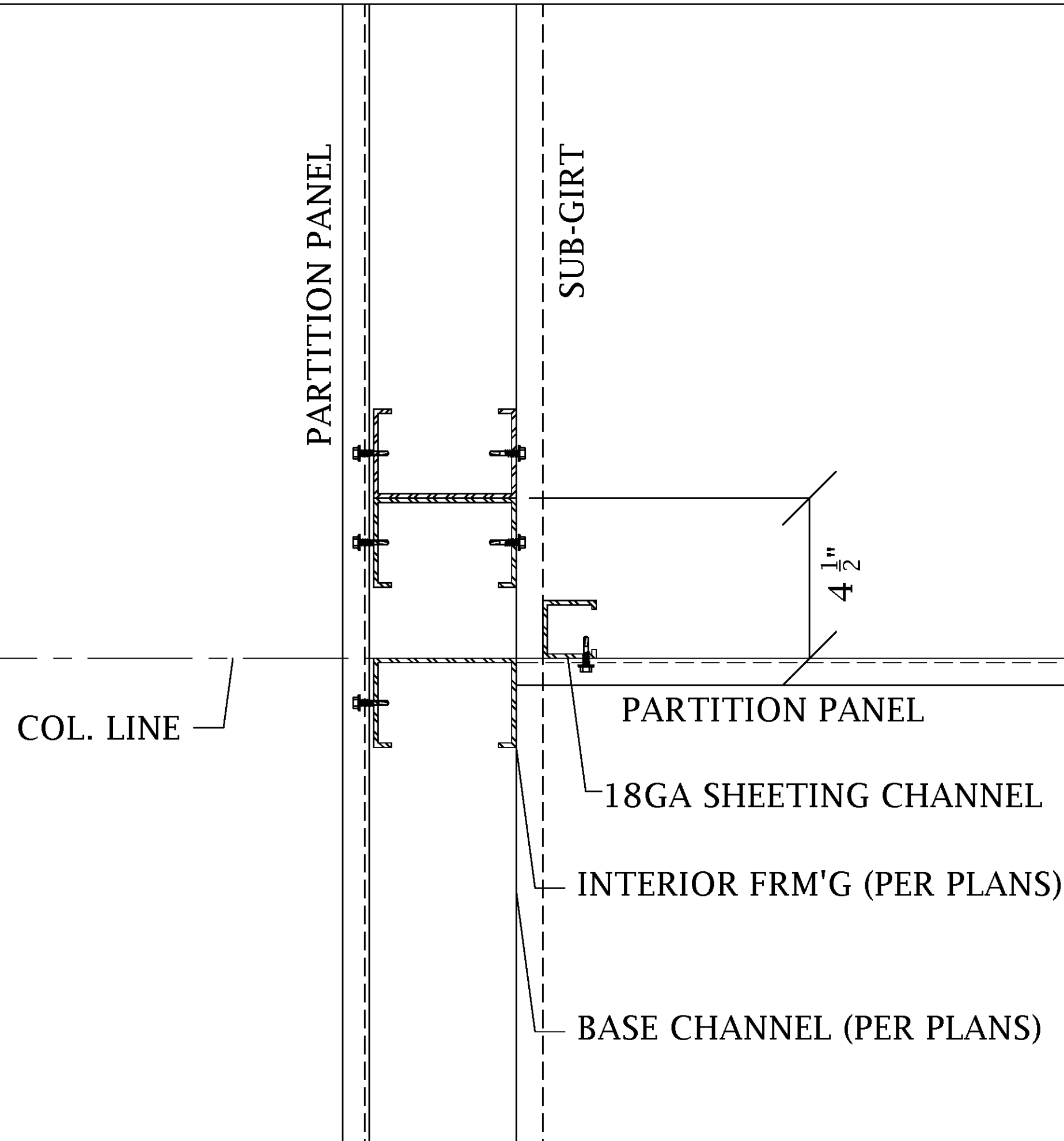
INITIALS OF GC/OWNER



1 STACKED COLUMN LOCATION  
Q-15

2 STACKED COLUMN LOCATION  
Q-15

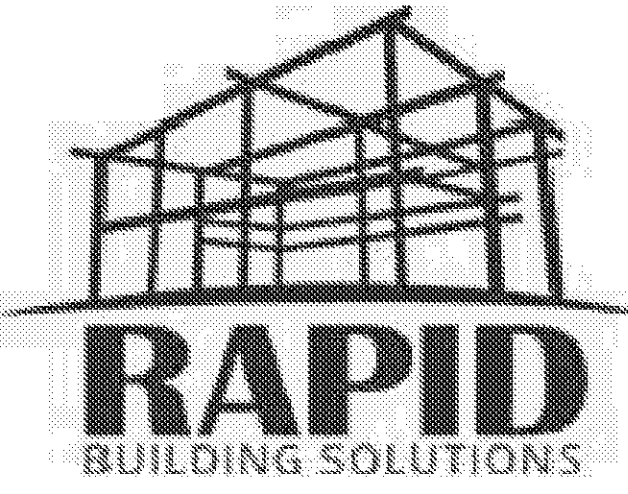
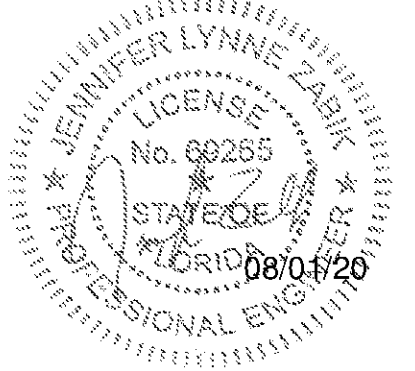
3 STACKED COLUMN LOCATION  
Q-15



5 BRACE FRAMING DETAIL  
Q-15 © PARAPET WALL

6  
Q-15

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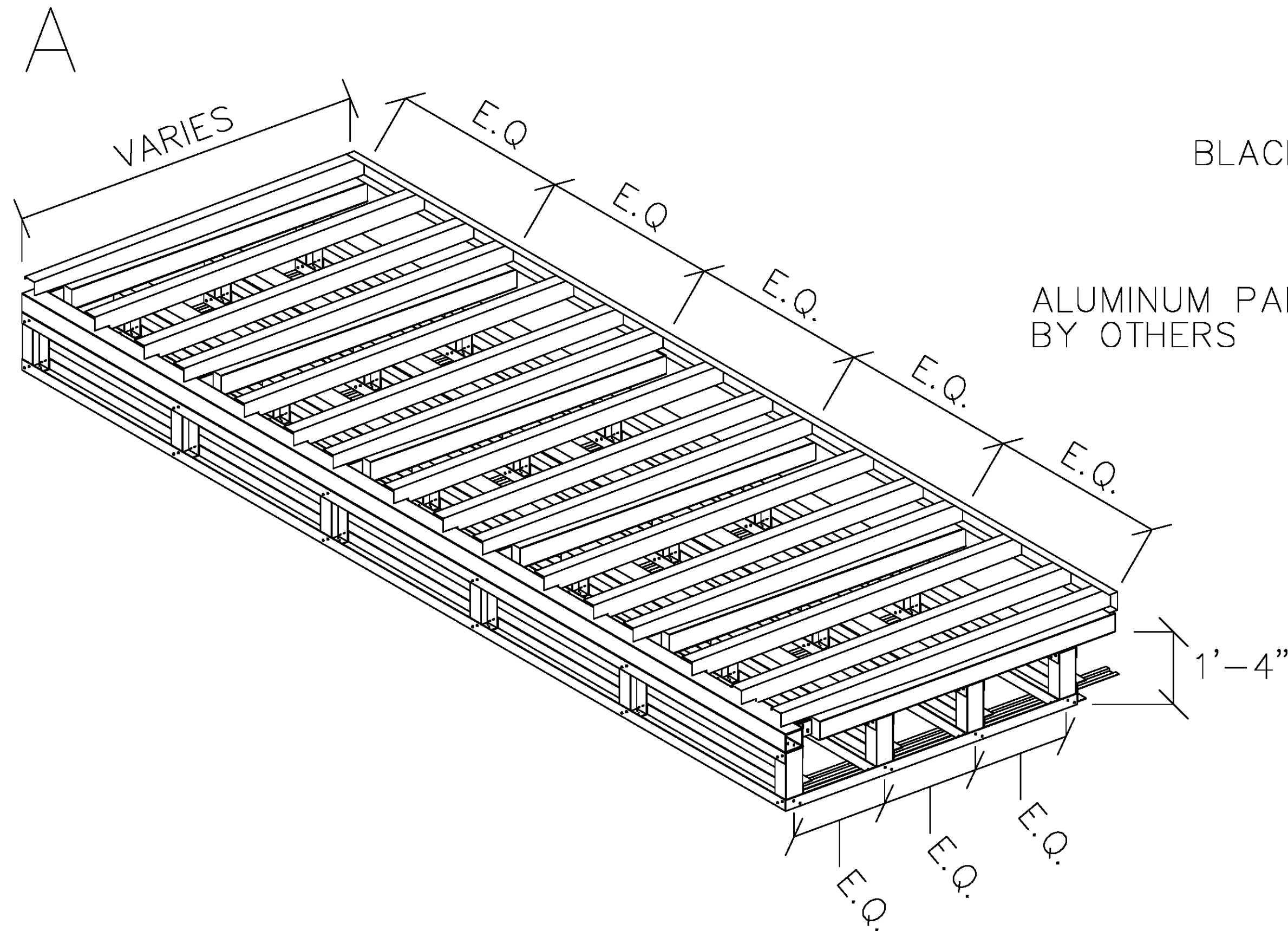
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INITIALS OF GC/OWNER

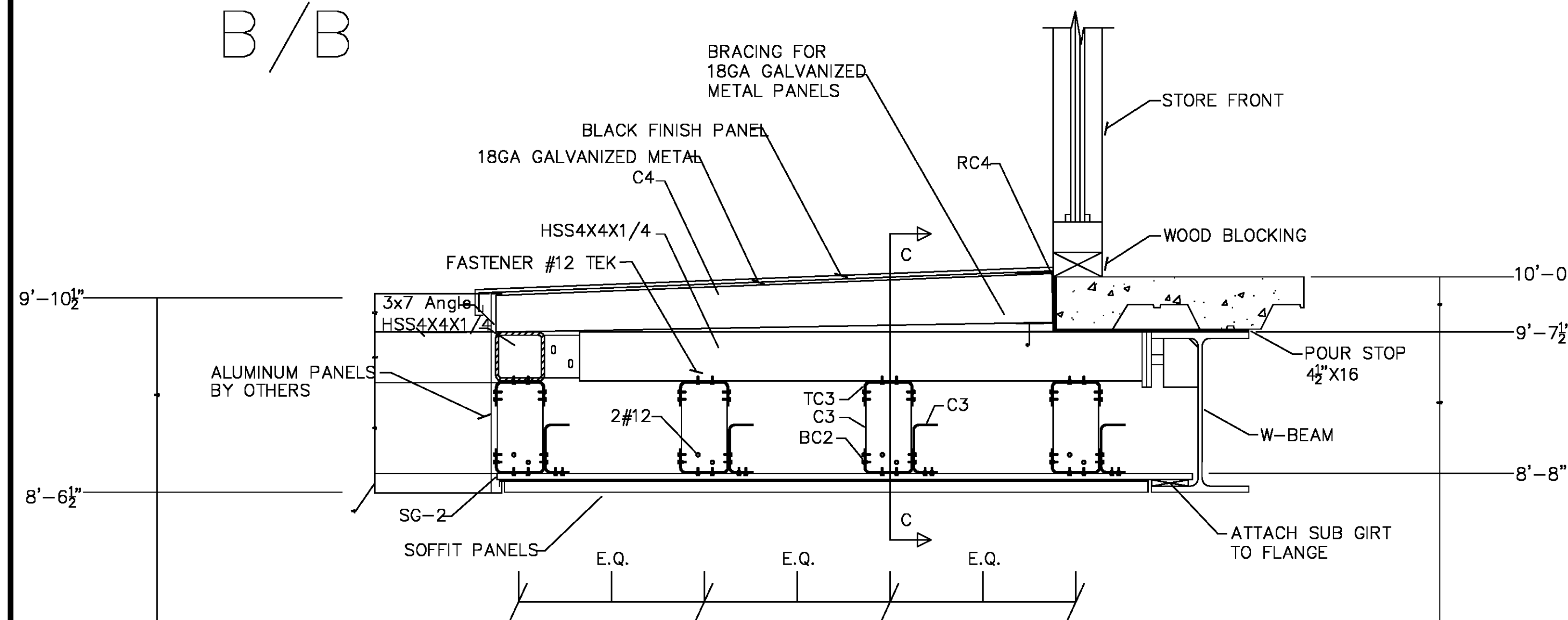


BLACK FINISH PANEL

ALUMINUM PANELS  
BY OTHERS

Slope DN

B/B



C/C

