

BELLON
ARCHITECTURE

ba

BELLON ARCHITECTURE, INC.
12930 S.W. 126 STREET
SUITE 203
MIAMI, FL 33186
T. (305) 278-7776
F. (305) 278-7473

WWW.BELLONARCHITECTURE.COM

**ARCHITECTURE
LAND PLANNING
INTERIORS
CONSTRUCTION
MANAGEMENT**

bennett&pless

BENNETT & PLESS INC.
JENNIFER ZABIK, P.E. S.E.
1024 N FULLERS CROSS ROAD
WINTER GARDEN, FL. 34787
JZABIK@BENNETT-PLESS.COM
P-1294

A circular professional engineer seal for Jennifer Lynne Zabik, State of Florida, License No. 69265. The seal features the text "JENNIFER LYNNE ZABIK", "LICENSE", "No. 69265", "STATE OF FLORIDA", and "PROFESSIONAL ENGINEER". The date "06/20/25" is stamped at the bottom. A blue ink signature is written across the center of the seal.

9000 WEST COLONIAL DR.
SUITE 401
OCOE, FL. 34761
PHONE: (407) 347-9614

INFO@
RAPIDBUILDINGSOLUTIONS.COM

JOB NUMBER:
RBE-040-25-CLE-FL

HOOKS ST. STORAGE
13125 HOOKS STREET
CLERMONT, FL. 34711

[illegible]

SHEET TITLE

COVER SHEET

DATE	01-23-20
DESIGNED BY	RBX
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	

CS

SPECIFICATIONS:

DESIGN CRITERIA: BUILDING CRITERIA - 2023 FLORIDA BUILDING CODE, 8TH ED.

DESIGN LOADS:

ROOF DEAD LOAD	5 PSF	
ROOF LIVE LOAD	20 PSF	
FLOOR DEAD LOAD	45 PSF	45" TOTAL DEPTH DECK SLAB
FLOOR LIVE LOADS	10 PSF 125 PSF 125 PSF 125 PSF	MISC. STORAGE CORRIDORS EXITS

GROUND SNOW LOAD, Pg	3 PSF
WIND VELOCITY	VULT = 135 MPH ULTIMATE VASD = 105 MPH VT = DOES NOT APPLY (RISK 1)

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

IMPORTANCE FACTOR 1.00
OCCUPANCY CATEGORY II
SEISMIC DESIGN CATEGORY A
SITE CLASS D

Ss = 0.4%g, Si = 3.5%g
Sds = 1.4%g, Sdi = 5.0%g

RESPONSE COEFD = 0.0247

DESIGN BASE SHEAR (KIPS) = 1943 (3-STORY)
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 LUMBER, CALCIUM USED IN CONCRETE, MORTAR AND GROUT.
- SCOPES OF WORK BY OTHERS WHOSE LATERAL LOADS WILL BE TRANSFERRED INTO STEEL MEMBERS 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 THAN THE MINIMUM DISTANCES SPECIFIED IN THE RELEVANT ASTM SPECIFICATIONS. THICKNESS AT BENDS, SUCH AS CORNERS, 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 BREEZEWAYS 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 OR INDUSTRY STANDARDS APPROVED BY SELLER/SUBCONTRACTOR AND THE ENGINEER OF RECORD.

ROOF SYSTEMS: MBCI OR EQUAL

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

FASTENERS AND ANCHORS:

- THE FOLLOWING OUTLINES THE MECHANICAL ANCHORS THAT ARE APPROVED FOR USE ON THIS PROJECTS.
- EXPANSION ANCHORS - "Kwik Bolt TZ" 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 TORQUIING 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" = 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 EZ" BY HILTI OR EQUAL.
- POWDER-ACTUATED FASTENERS (PAF) - "DX" BY HILTI OR EQUAL.
- ALL FASTENERS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.

COLD FORM STEEL: LG61 SECTIONS OR EQUAL:

- COLD FORMED STEEL SECTIONS SHALL CONFORM TO APPLICABLE PROVISIONS OF A572, ASTM A601 AND/OR ASTM A661.
- MIN. DELIVERED THICKNESS OF COLD FORMED STEEL CEES AND ZEEs GAUGE.

GAUGE	DESIGN THICKNESS	FINISH
12	0.105	RED-OXIDE UNO ON PLANS
14	0.07	RED-OXIDE UNO ON PLANS
16	0.059	RED-OXIDE UNO ON PLANS
18	0.0468	GALVANIZED
20	0.0352	GALVANIZED

- MIN. DELIVERED THICKNESS OF COLD FORMED STEEL.

GAUGE	DESIGN THICKNESS	FINISH
14	0.07	TEX-COTE FINISH APPLIED IN FIELD
16	0.059	TEX-COTE FINISH APPLIED IN FIELD
16	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 CHANNELS SO THAT THE GAP BETWEEN THE ENDS OF THE STUD AND THE WEB OF THE CHANNEL 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 THE 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 A500 GRADE B - TUBE.
 - ASTM F1554 (A36) - ANCHOR BOLTS, RODS, NUTS AND WASHERS.
 - ASTM A108 GRADE 1015 THROUGH 1020, COLD FINISHED CARBON STEEL, AWS D11, TYPE B - HEADED STUDS.
 - ASTM A325, TYPE N - BOLTED STRUCTURAL CONNECTION.
 - ASTM A307 - FOR BOLTED COAT OF LESS THAN 5/8" DIA.
 - ET10XX ELECTRODE (LOW HYDROGEN) - WELDED CON. (UNO.)
 - BOLTED CONN. SHALL BE MADE WITH A MIN. OF 3/4" DIA. BOLTS (UNO.)
 - 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 (UNO.)
- 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 (ROSCC) (UNO.)
- 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 (ROSCC) (UNO.)
- BRACE AND MAINTAIN 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 (5,000 PSI MIN.)
- ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF ASTM A123.
- 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 FRAMING 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 SHAER 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 AWS D13 STRUCTURAL WELDING CODE.
- GALVANIZING SHALL CONFORM TO ASTM-A653-94, STRUCTURAL QUALITY, AND FEDERAL SPEC. QQ-S-175.
- THE VALUES LISTED IN THE TABLE SHOWN BELOW IS FROM THE VULCRAFT METAL DECK PRODUCT MANUAL, AND REPRESENTS THE MINIMUM ROOF DECK SECTION PROPERTIES THAT ARE REQUIRED BY DESIGN.

ROOF DECK

DECK TYPE	DESIGN THICK	l 4/FT	Sp 3/FT	Sn 3/FT
B22	0.0795	0.169	0.186	0.192
B20	0.058	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"
- THE VALUE LISTED IN THE TABLE SHOWN BELOW IS FROM THE VULCRAFT METAL DECK PRODUCT MANUAL, AND REPRESENTS THE MINIMUM COMPOSITE FLOOR DECK SECTION PROPERTIES THAT ARE REQUIRED BY DESIGN.

COMPOSITE FLOOR DECK

DECK TYPE	DESIGN THICK	lp / ln ln 4/FT	Sp ln 3/FT
15VL22	0.0295	0.15 / 0.182	0.178 / 0.186
15VL20	0.0358	0.195 / 0.222	0.231 / 0.24
15VL18	0.0474	0.282 / 0.295	0.315 / 0.327
20VL22	0.0295	0.322 / 0.329	0.274 / 0.277
20VL20	0.0358	0.418 / 0.415	0.355 / 0.36
20VL18	0.0474	0.577 / 0.2557	0.513 / 0.518
30VL22	0.0295	0.746 / 0.745	0.429 / 0.422
30VL20	0.0358	0.938 / 0.937	0.553 / 0.572
30VL18	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 ONIOR A653-94 STRUCTURAL QUALITY.
- THE VALUES LISTED IN THE TABLE SHOWN BELOW IS FROM THE VULCRAFT 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 ln 4/FT	Sp/ Sn ln 3/FT
06C26	0.0719	0.015 / 0.015	0.043 / 0.043
06C24	0.0239	0.019 / 0.019	0.057 / 0.057
06C22	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 RAMPS AND SLOPING SURFACES SHALL NOT EXCEED 4".
- SEE MASONRY GENERAL NOTED FOR GROUT TESTING REQUIREMENTS.
- COLD JOINTS (NOT RECOMMENDED) AND 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 REQUIREMENTS SHALL INCLUDE SLUMP AND CYLINDER BREAKS FOR COMPRESSIVE STRENGTH. FINDINGS SHALL BE SUBMITTED TO THE ARCH/ENG. 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 318 DETAILS AND DETAILING CONCRETE REINFORCEMENT. CONCRETE MIX DESIGN SHALL MEET THE FOLLOWING CRITERIA:
 - PROPOSED MIX DESIGN SHALL BE IN 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 REJECTION 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 CONCRETE IN ALL REINFORCED COLUMNS AND WALLS SHALL BE IN LIFTS NOT EXCEEDING 7'-6" FEET IN HEIGHT. CONCRETE SHALL BE PLACED THROUGH ELEPHANT TRUNK TUBULAR CHUTES LOCATED SUCH THAT THE FREE AIR DROP OF THE MIX DOES NOT EXCEED 6' FEET. ALTERNATIVE 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 VULCRAFT METAL DECK PRODUCT MANUAL AND REPRESENTS THE RECOMMENDED WELDED WIRE FABRIC.

DECK TYPE	TOTAL SLAB DEPTH	RECOMMENDED WELDED WIRE FABRIC
15VL, VLI, OR R	≤ 4 3/4"	6x6 - W14 x W14
15VL, VLI, OR R	> 4 3/4"	6x6 - W21 x W21
2VL1	≤ 5 1/4"	6x6 - W14 x W14
2VL1	> 5 1/4"	6x6 - W21 x W21
3VL1	≤ 6 1/4"	6x6 - W14 x W14
3VL1	> 6 1/4"	6x6 - W21 x W21

FIBER REINFORCED CONCRETE IS AN ALTERNATIVE 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 LBS/CY. ELEVATED FLOOR DECKS ARE DESIGNED FOR A 20PSF 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.
 - FLOAT FINISH (FLT-FN)
 - SPECIFIED OVERALL VALUE: FF25IFL20
 - MINIMUM LOCAL VALUE: FF25IFL20
 - APPLY FLOAT 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: FF30IFL23
 - MINIMUM LOCAL VALUE: FF25IFL20
 - APPLY TROWEL FINISH TO MONOLITHIC SLAB SURFACES THAT ARE TO RECEIVE RESILIENT FLOORING, CARPET, PAINT, OR OTHER THIN FILM FINISH COATING SYSTEMS. ELEVATED SLABS SHALL HAVE A SPECIFIED OVERALL VALUE OF FF22 TO FF21 AND A MINIMUM LOCAL OF FF20 WITH NO FL NUMBER DEFINED.
 - MINIMUM THICKNESS OF SLAB ON GRADE IS THE GREATER OF 3" OR 0.8 TIMES ANCHOR EMBEDMENT SPECIFIED IN CONSTRUCTION DOCUMENTS (ASSUMES USE OF HILTI KWIK BOLT TZ OR EQUAL).
 - CONTROL JOINT AND CONTROL JOINTS SHOULD BE PLACED A MIN. OF 2'-0" OFF THE CENTERLINE OF COLUMNS. IF THE DISTANCE BETWEEN COLUMNS IS LESS THAN 4'-0" BUT GREATER THAN 2'-6" THEN PLACE AT MIDPOINT. OTHERWISE CONTACT ENGINEER 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 SELL/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 THE 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 SEPERATION OF 20 FEET. WALK BEHIND MACHINES SHALL NOT EXCEED 300 LBS. IN HEIGHT.
- RIDE ON FINISHING MACHINES ARE NOT ALLOWED.
- ALL MACHINES LOADED ONTO DECK TO BE PLACED ABOVE BEARING WALLS AND NOT IN THE DECK MID-SPANS.
- 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 FILE 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 10% COMPRESSIVE STRENGTH TO PROCEED.
- SUBMITTAL OF CONCRETE MIX AND REINFORCING OPTION IS REQUIRED. COMPLETE SUBMITTALS MUST BE SUBMITTED AND LABELED FOR EACH LOCATION (IE. 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 AND 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 WITH THE METAL BUILDING COMPANY. THE METAL BUILDING COMPANY WILL NOT BE RESPONSIBLE FOR COST INCURRED DUE TO INCORRECT MASONRY WALL HEIGHTS, BEFORE CONSTRUCTION. THE CONTRACTOR NEEDS TO VERIFY DIMENSIONS WITH RAPID BUILDING SOLUTIONS.

PARAFET CAPPING:

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

OFFICE:

ALL OFFICE BUILD-OUTS, BATHROOMS, MECHANICAL ROOMS AND ELECTRICAL ROOM FRAMING ARE NOT INCLUDED.

INSULATION:

WALL INSULATION IS PROVIDED BUT NOT INSTALLED AT PERIMETER AT BRICK, EIFS, AND DENS GLASS LOCATIONS.

BRICK VENEER:

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

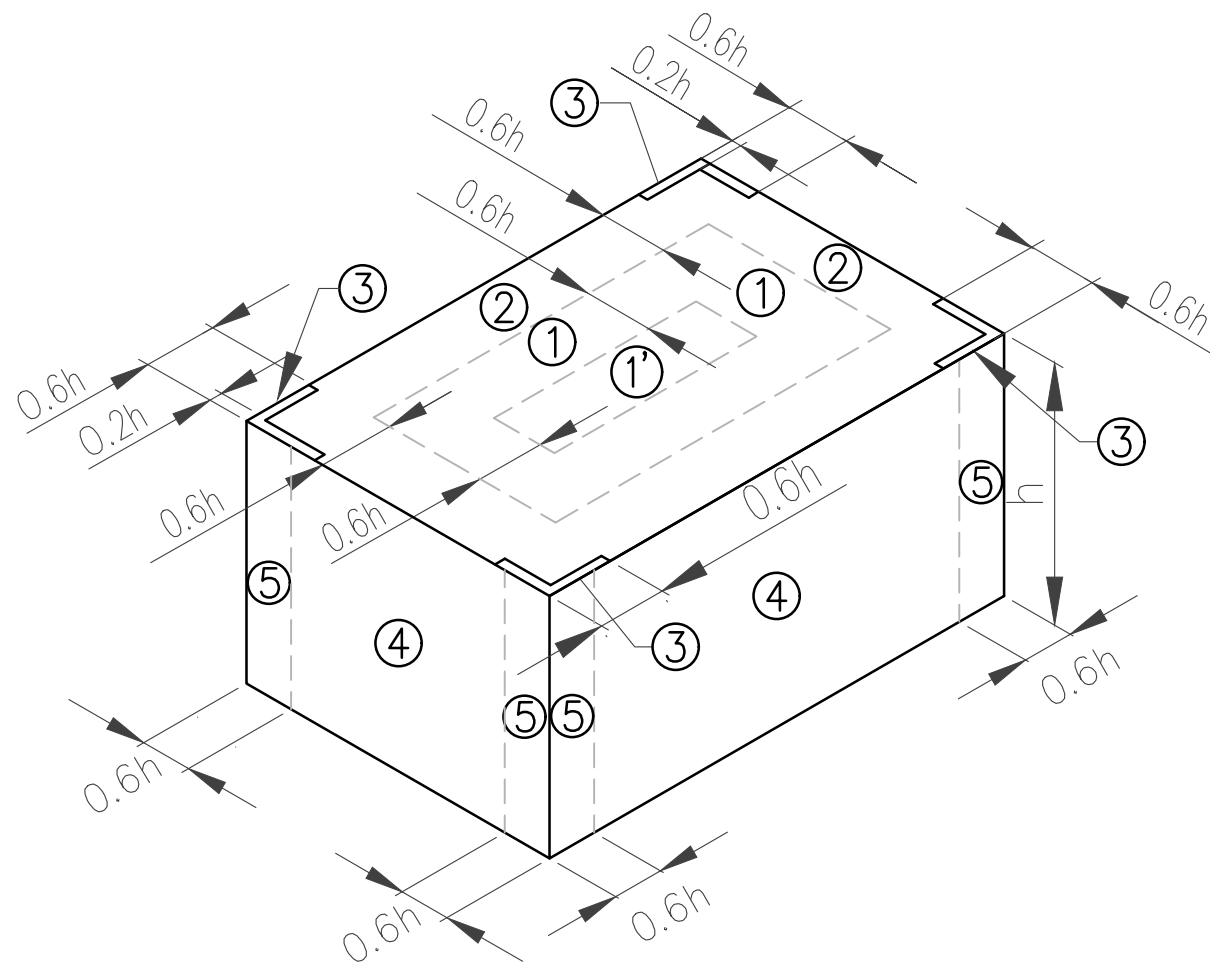
STRUCTURAL EMBED PLATES:

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

ELEVATORS:

ALL ELEVATOR DIMENSIONS AND HEIGHTS NEED TO VERIFIED WITH ELEVATOR MANUFACTURE BEFORE STARTING ANY FOUNDATION OR MASONRY WORK. RAPID BUILDING SOLUTIONS IS NOT RESPONSIBLE FOR COST INCURRED DUE TO INCORRECT SIZE, HEIGHTS AND OR PIT DEPTHS.

Roof Area	Design Wind Pressure (psf)			
	10 sf	20 sf	50 sf	100 sf
Negative Zone 1	-74.1	-69.2	-62.7	-57.8
Negative Zone 1'	-42.6	-42.6	-42.6	-42.6
Negative Zone 2	-97.7	-91.4	-83.1	-76.8
Negative Zone 3	-97.7	-91.4	-83.1	-76.8
Positive All Zones	18.9	17.7	16.2	16.0



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12930 S.W. 128 STREET
SUITE 203
MIAMI, FL 33186
T. (305) 278-7776
F. (305) 278-7473
WWW.BELLONARCHITECTURE.COM
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bennett&pless

BENNETT & PLESS INC.
JENNIFER ZABIK, P.E. S.E.
1024 N FULLERS CROSS ROAD
WINTER GARDEN, FL 34787
JZABIK@BENNETT-PLESS.COM
P-1294

SEALS



9000 WEST COLONIAL DR.
SUITE 401
OOROE, FL 34761
PHONE: (407) 347-9614
INFO@
RAPIDBUILDINGSOLUTIONS.COM

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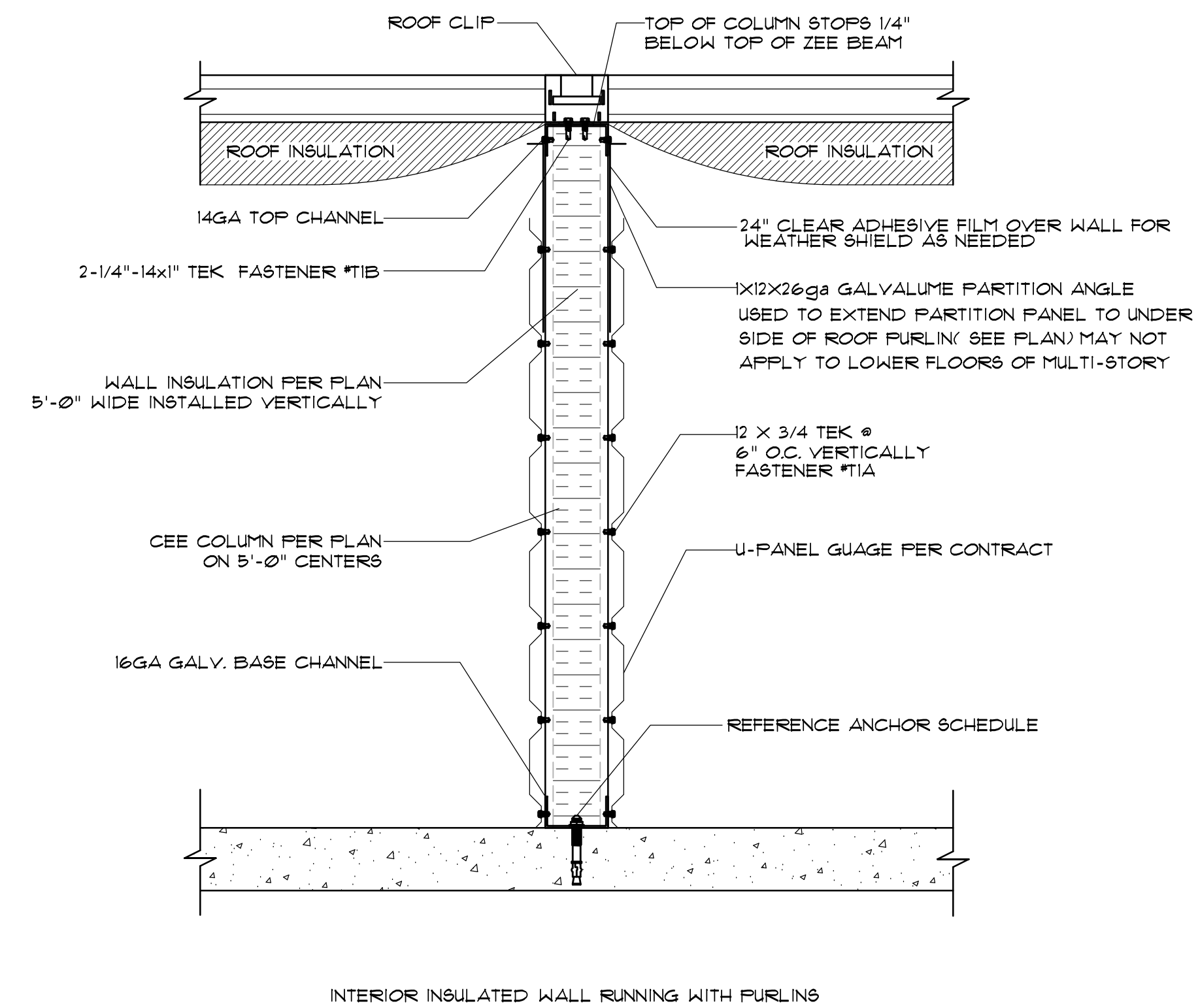
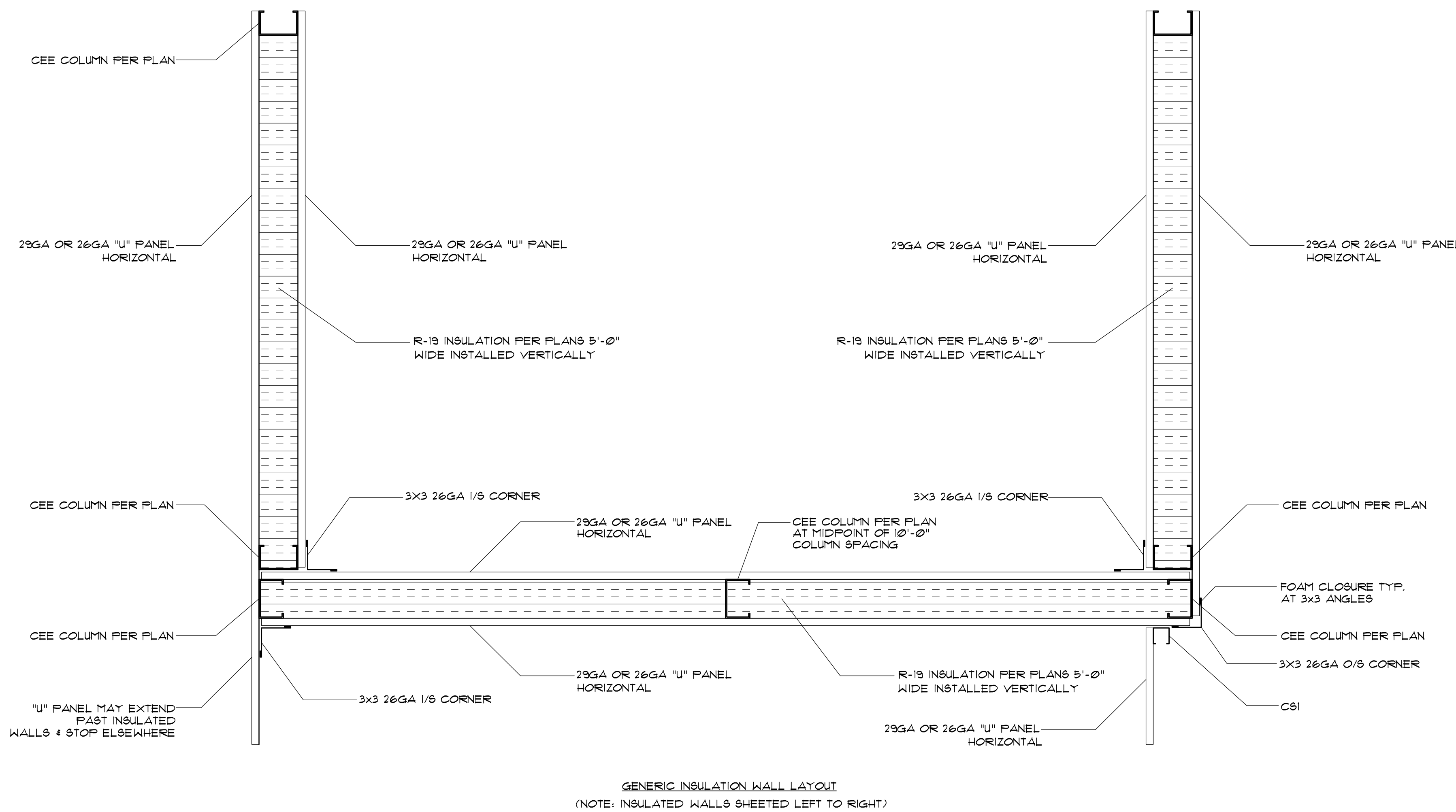
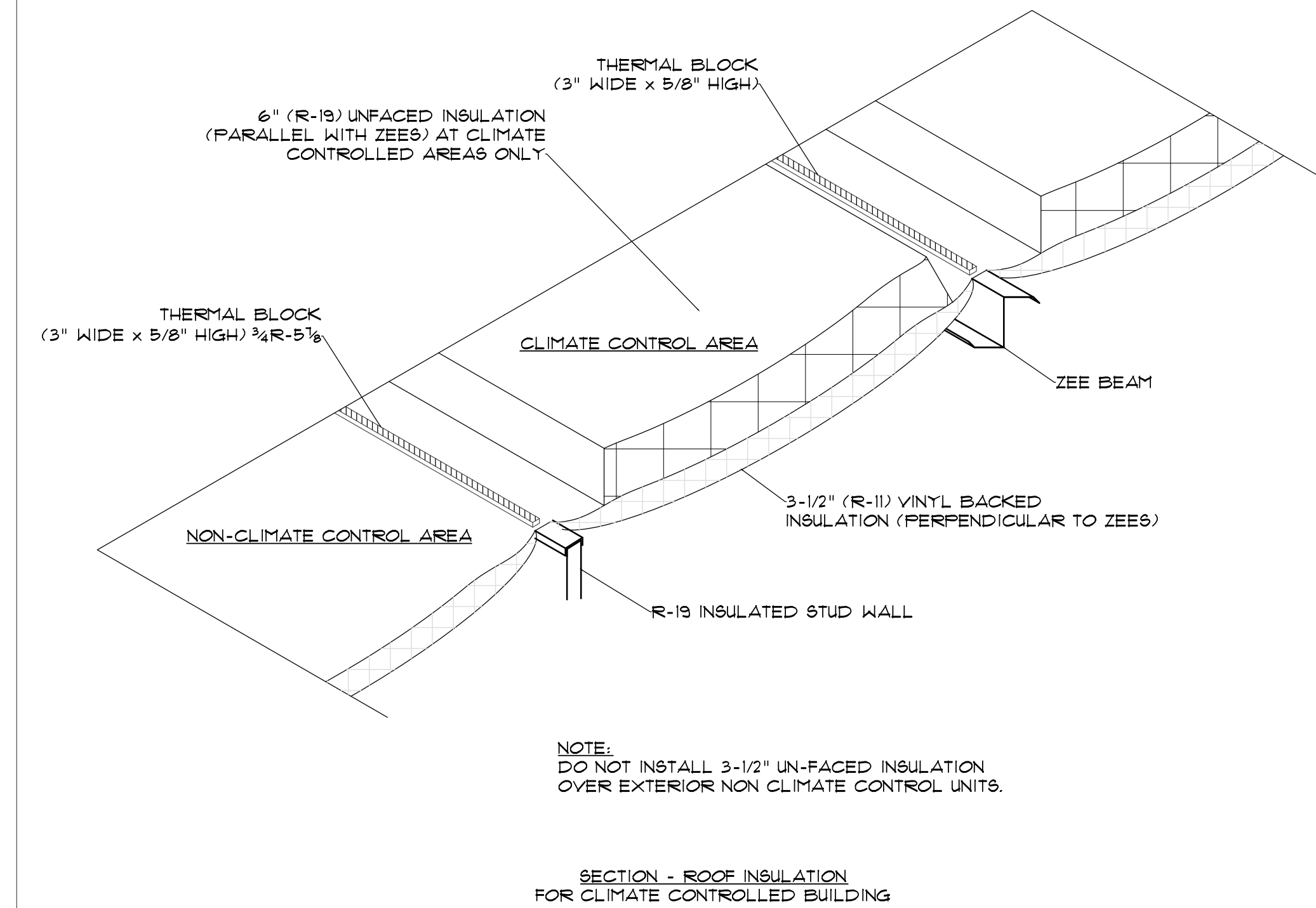
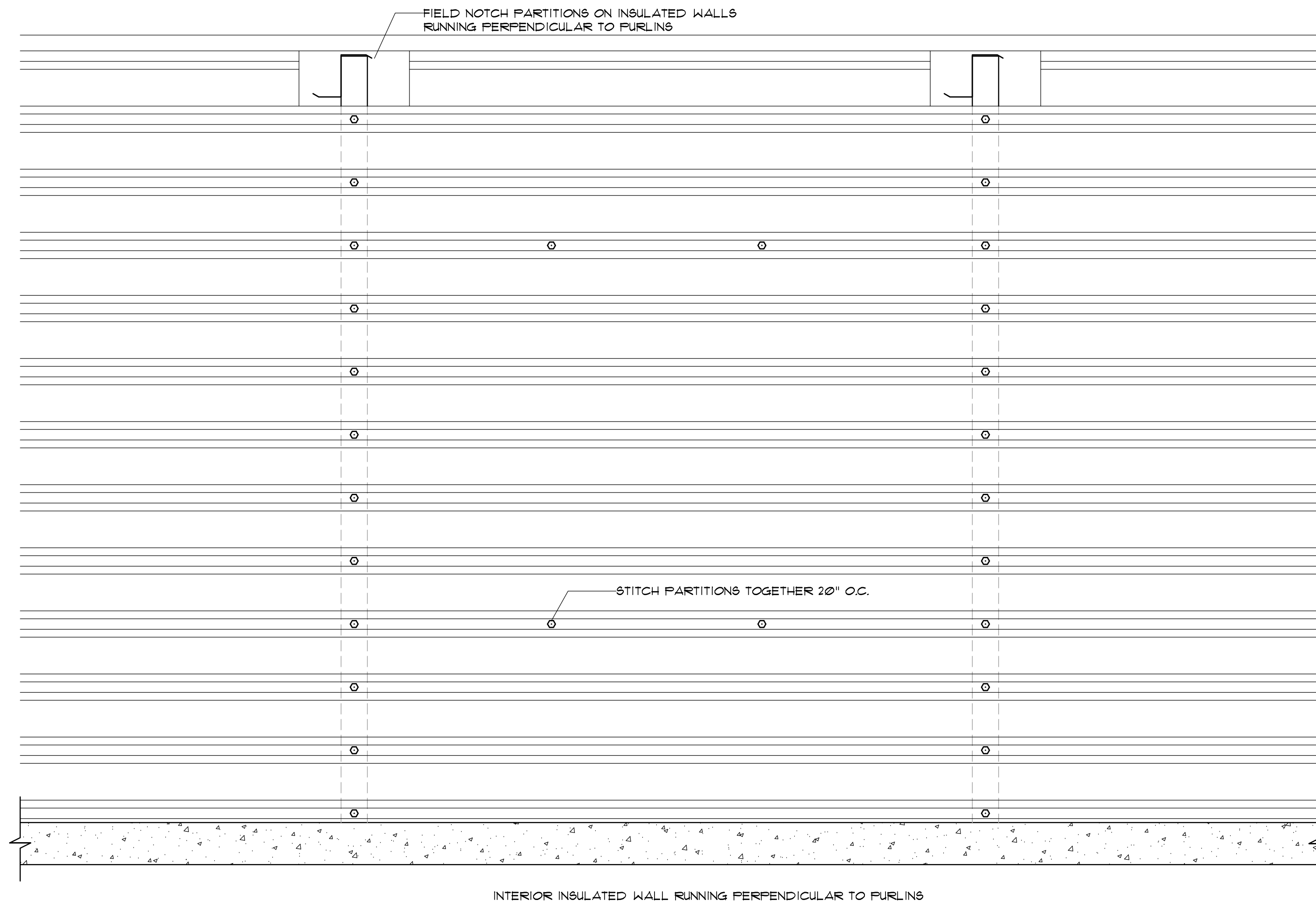
HOOKS ST. STORAGE
13125 HOOKS STREET
CLERMONT, FL. 34711

REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
Δ	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

STRUCTURAL
SPECIFICATIONS

DATE 01-23-25
DESIGNED BY RBX
CHECKED BY DJM
DRAWN BY DJM
SCALE AS NOTED
SHEET

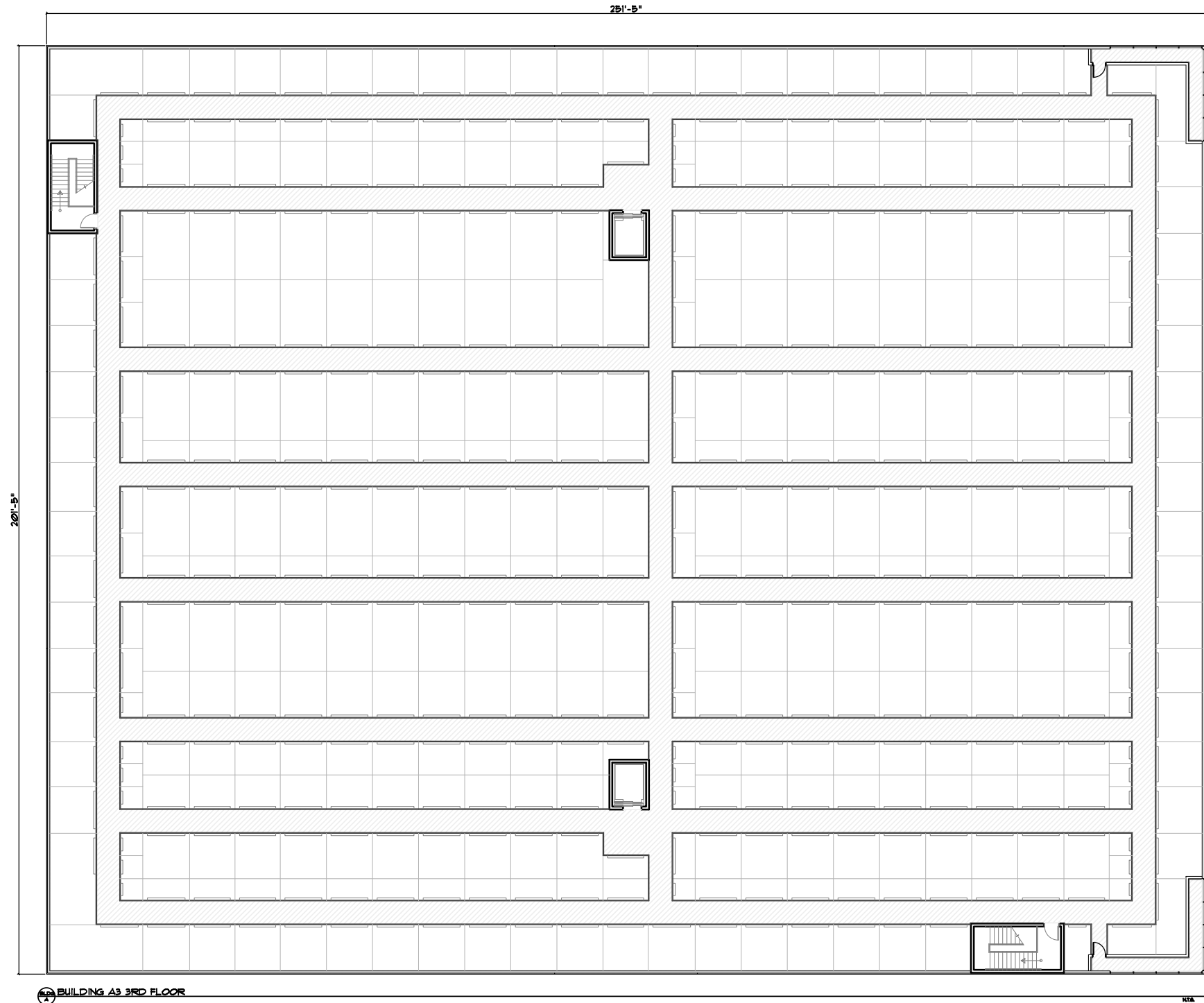
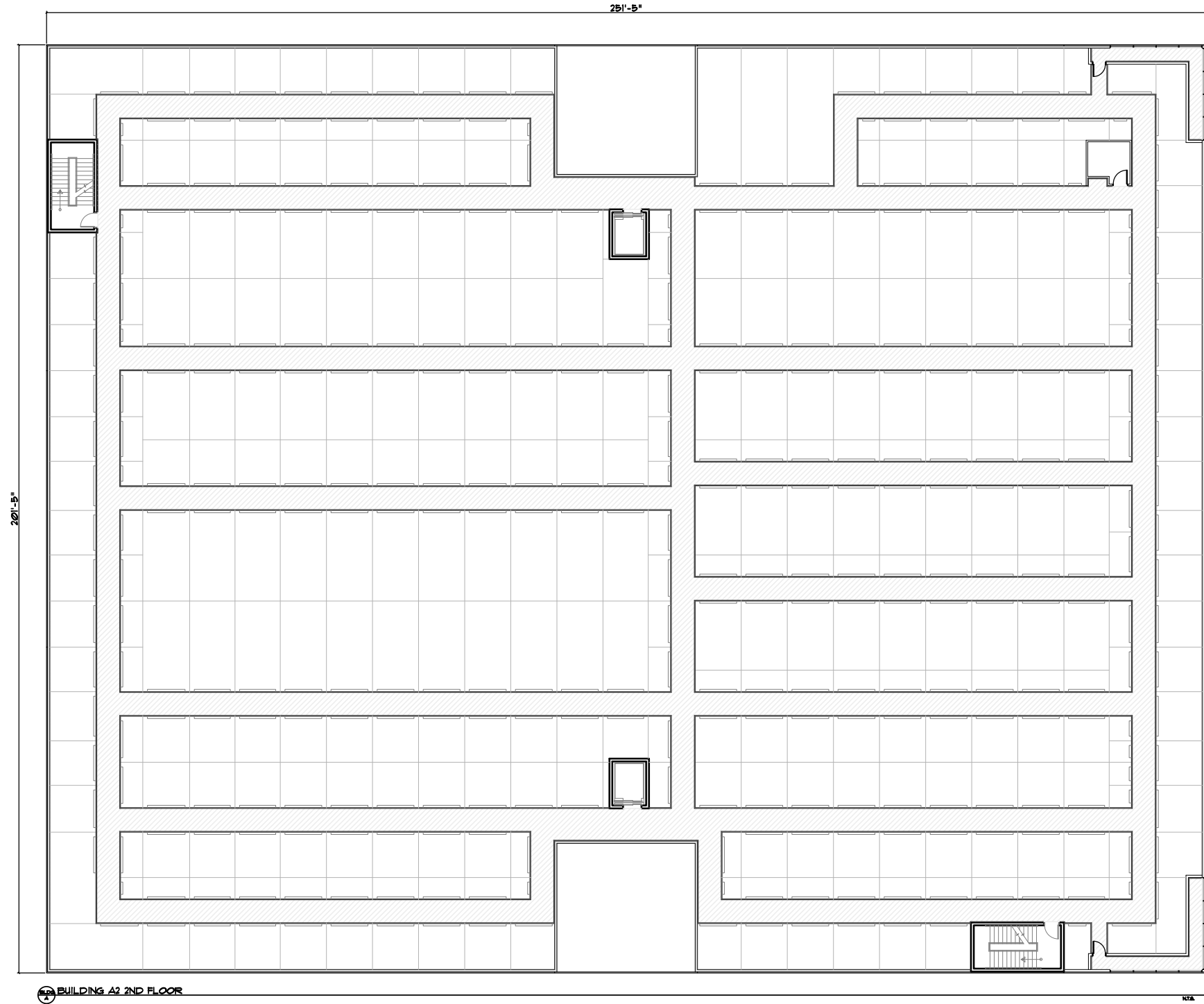
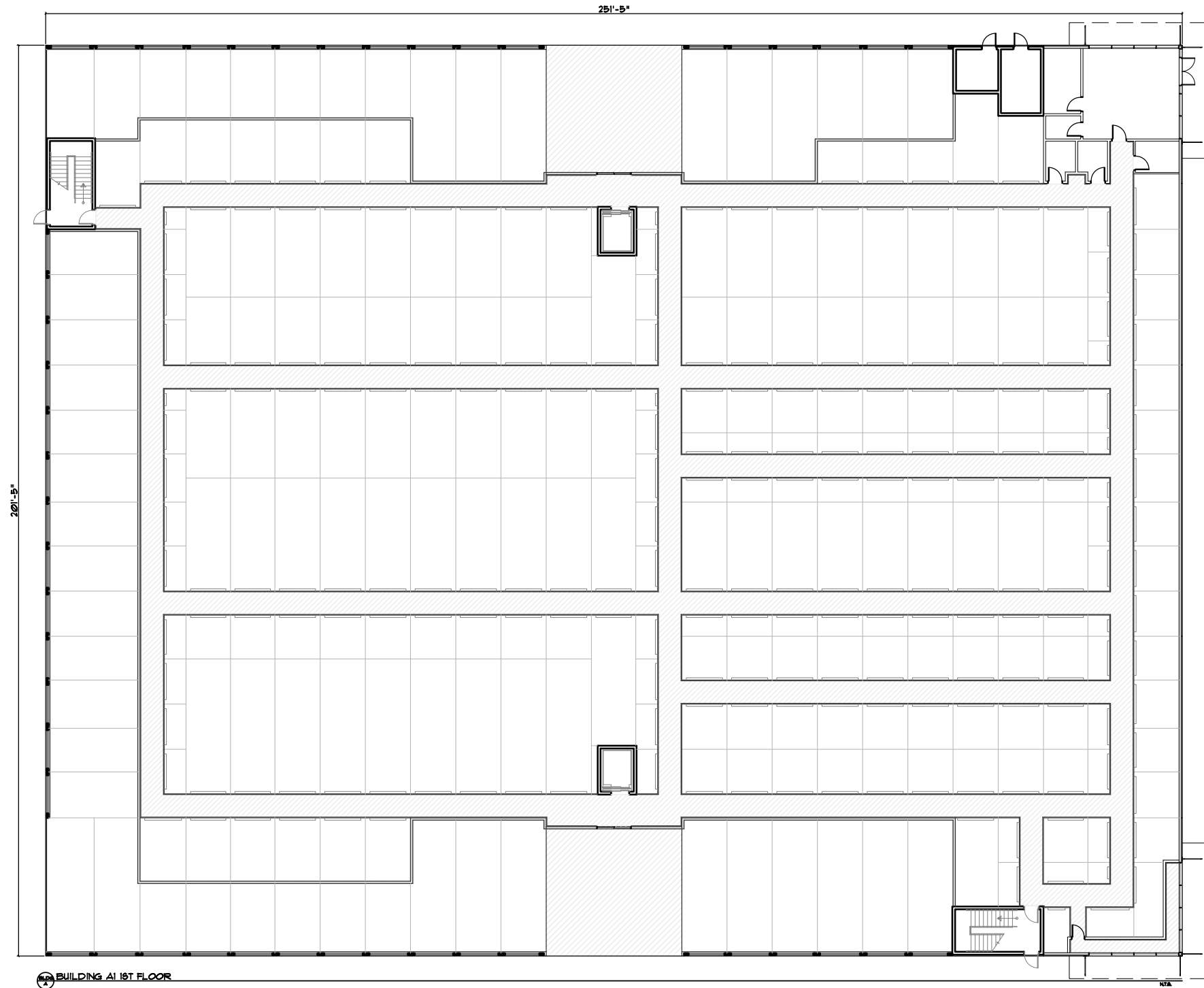


REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
Δ	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

INSULATION DETAILS

DATE	01-23-25
DESIGNED BY	RBX
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	



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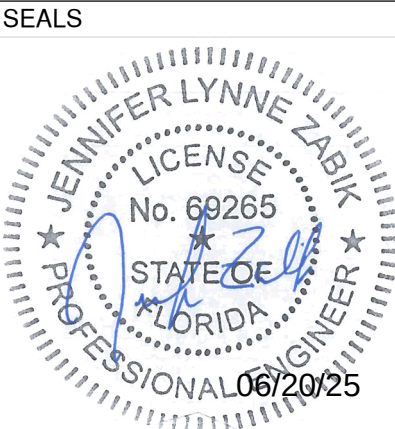
ba

BELLON ARCHITECTURE, INC
12930 S.W. 128 STREET
SUITE 203
MIAMI, FL 33186
T. (305) 278-7776
F. (305) 278-7473
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ARCHITECTURE
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B

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JENNIFER ZABIK, P.E. S.E.
1024 N FULLERS CROSS ROAD
WINTER GARDEN, FL 34787
JZABIK@BENNETT-PLESS.COM
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BUILDINGS EAST

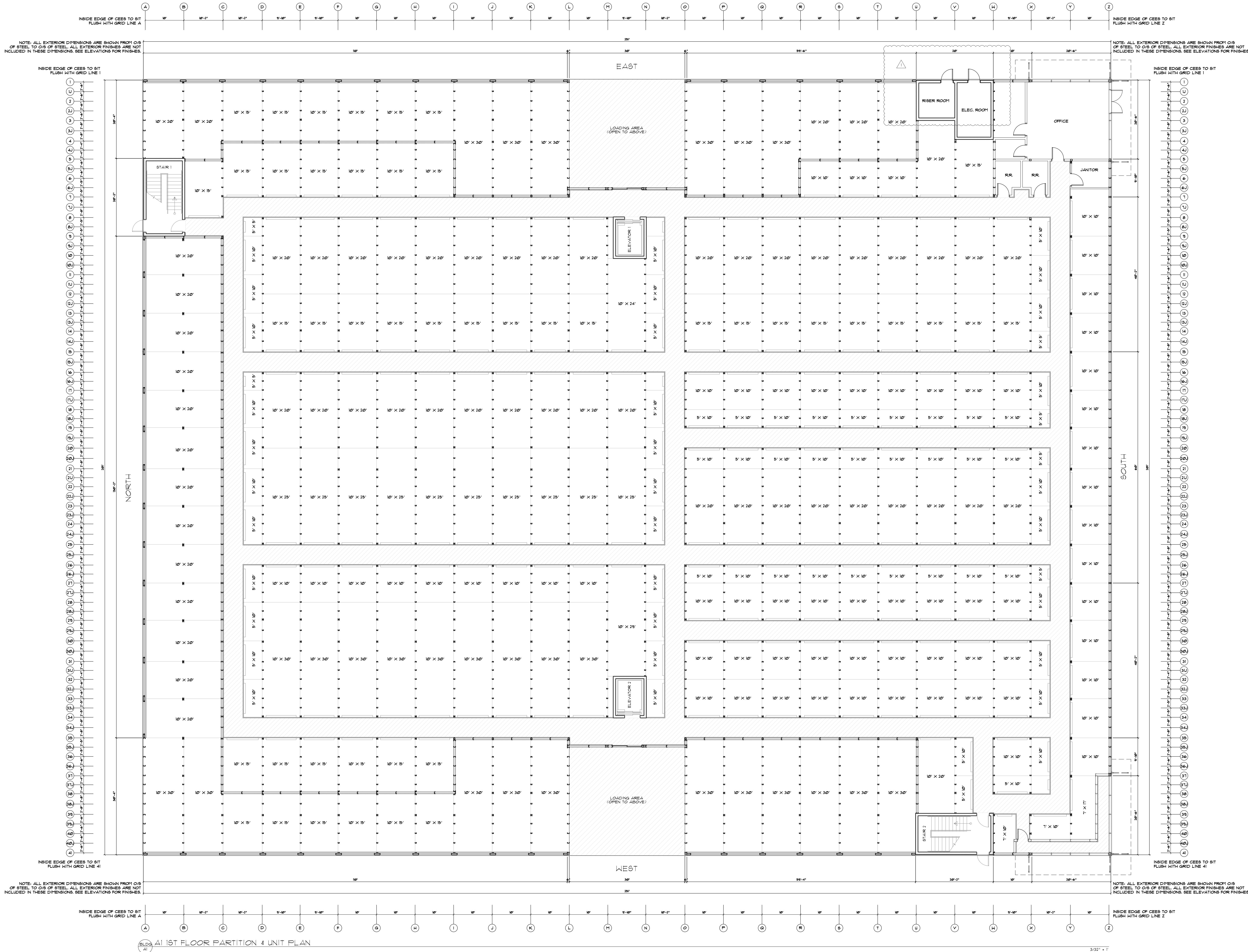
9000 WEST COLONIAL DR.
SUITE 401
OCFEE, FL 34761
PHONE: (407) 347-9614
INFO@
RAPIDBUILDINGSOLUTIONS.COM
JOB NUMBER:
RBE-040-25-CLE-FL

HOOKS ST. STORAGE
13125 HOOKS STREET
CLERMONT, FL. 34711

REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
Δ	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE	
BUILDING LAYOUT	
DATE	01-23-25
DESIGNED BY	RBX
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	

S0.4



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WINTER GARDEN, FL 34787

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SEALS

JENNIFER LYNN ZABIK

FLORIDA

PROFESSIONAL ENGINEER

No. 69265

06/20/25

RAPID

BUILDINGS EAST

9000 WEST COLONIAL DR.

SUITE 401

OCFEE, FL 34761

PHONE: (407) 347-9614

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JOB NUMBER:
RBE-040-25-CLE-FL

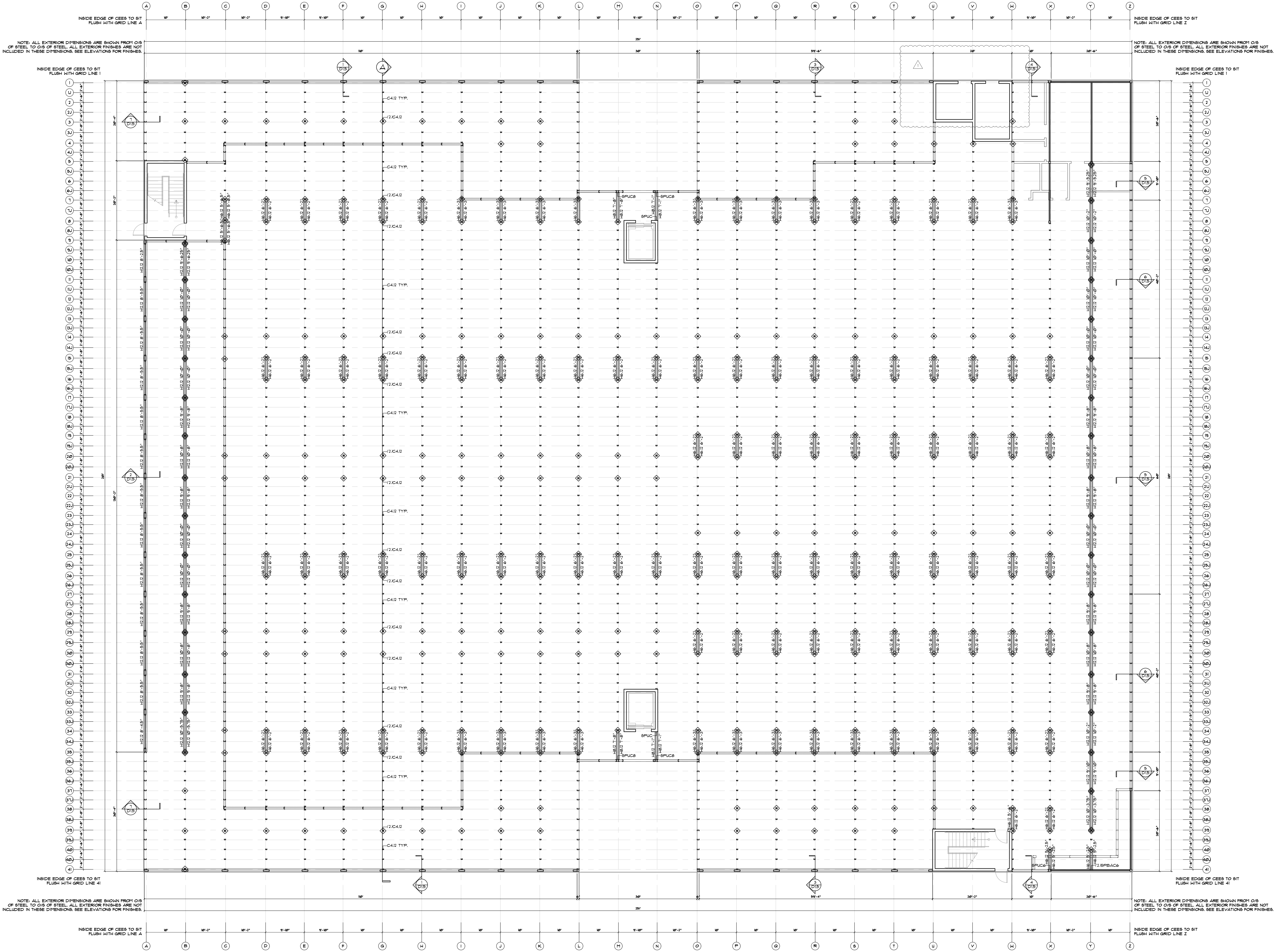
HOOKS ST. STORAGE
13125 HOOKS STREET
CLERMONT, FL. 34711

REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
2	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE
BLDG. A
1ST FLOOR
PARTITION & UNIT
PLAN

DATE 01-23-25
DESIGNED BY RBX
CHECKED BY DJM
DRAWN BY DJM
SCALE AS NOTED
SHEET

S1.0



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JENNIFER ZABIK, P.E., S.E.
1024 N FULLERS CROSS ROAD
WINTER GARDEN, FL 34787
JZABIK@BENNETT-PLESS.COM
P-1294

SEALS

JENNIFER LYNN ZABIK
LICENSE
No. 69265
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
06/20/25

RAPID
BUILDINGS EAST

9000 WEST COLONIAL DR.
SUITE 401
OCCOKE, FL 34761
PHONE: (407) 347-9614

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JOB NUMBER:
RBE-040-25-CLE-FL

HOOKS ST. STORAGE
13125 HOOKS STREET
CLERMONT, FL. 34711

REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
2	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

BLDG. A
1ST FLOOR STUD & CHANNEL PLAN

DATE 01-23-25
DESIGNED BY RBX
CHECKED BY DJM
DRAWN BY DJM
SCALE AS NOTED
SHEET

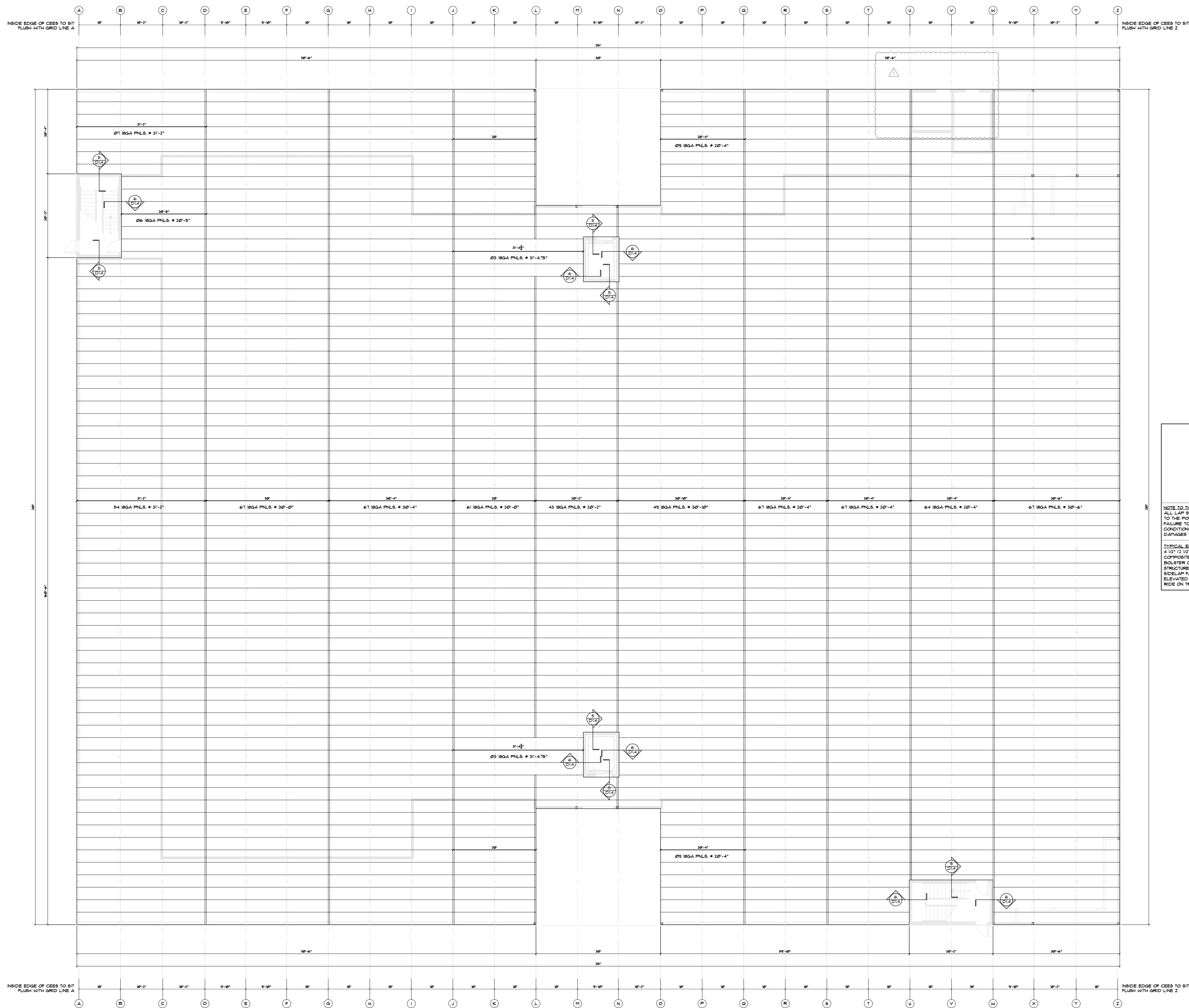
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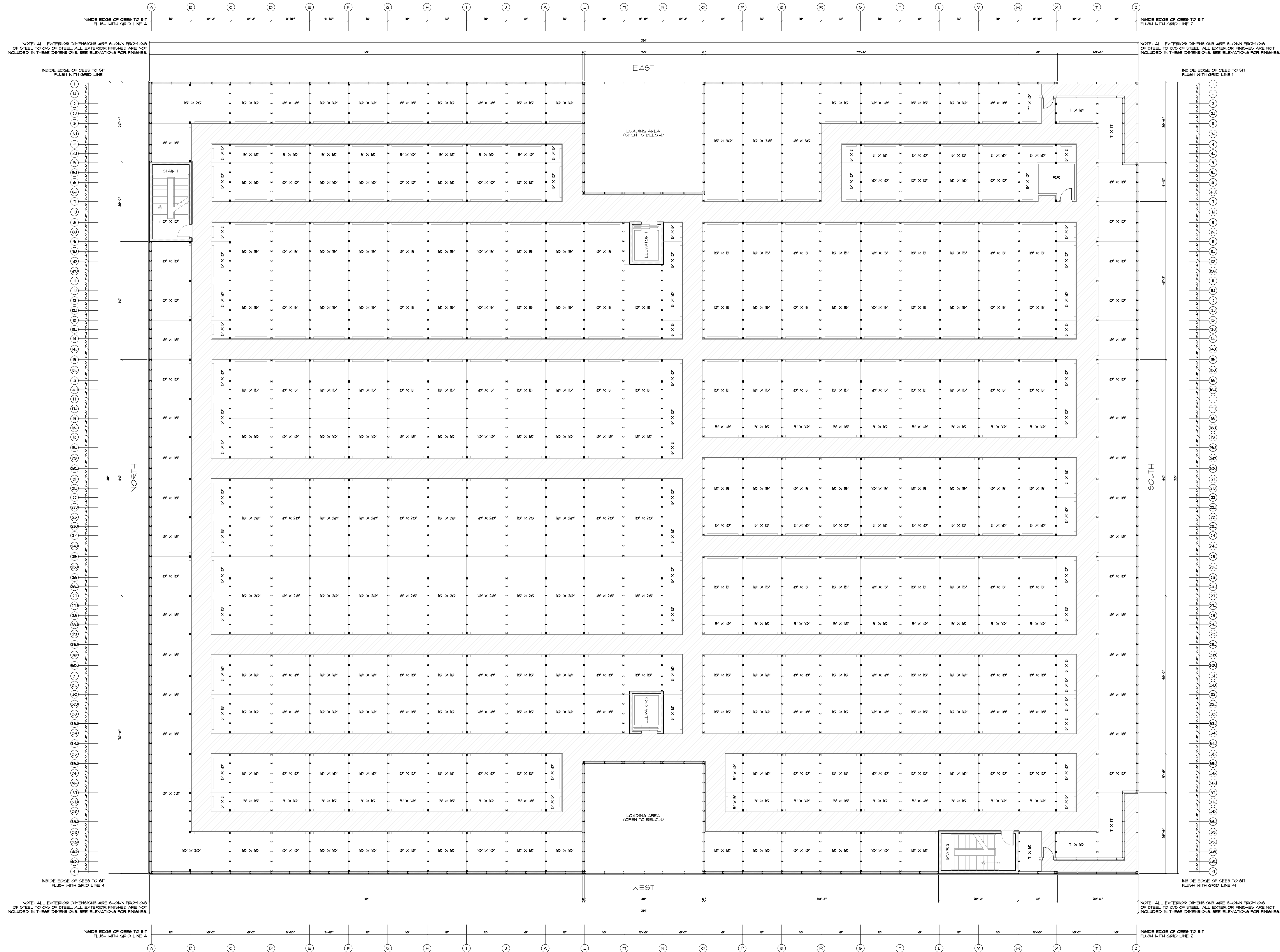
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SHEET TITLE

DATE	01-23-25
DESIGNED BY	RBX
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	

S1.2





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T. (305) 278-7776
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JOB NUMBER:
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HOOKS ST. STORAGE
13125 HOOKS STREET
CLERMONT, FL. 34711

REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
2	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

BLDG. A
2ND FLOOR
PARTITION & UNIT
PLAN

DATE 01-23-25
DESIGNED BY RBX
CHECKED BY DJM
DRAWN BY DJM
SCALE AS NOTED
SHEET

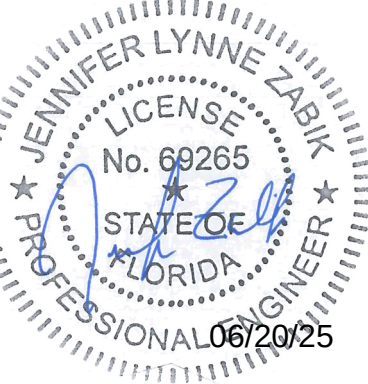
S1.3



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13125 HOOKS STREET
CLERMONT, FL. 34711

[illegible]

SHEET TITLE

BLDG. A
2ND FLOOR STUD &
CHANNEL PLAN

DATE	01-23-20
DESIGNED BY	RBX
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	

S1.4

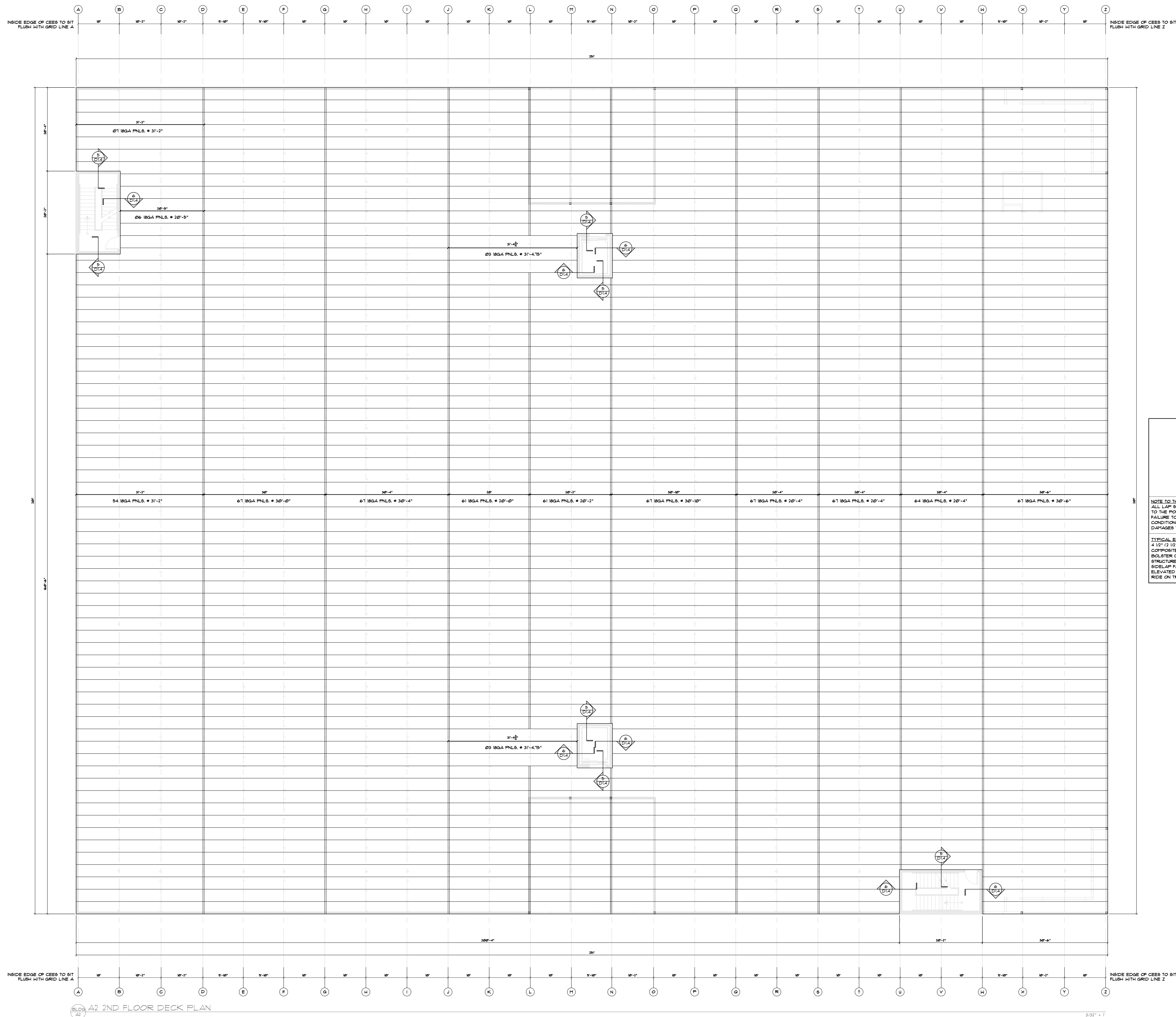
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2	05/28/25	RISER ROOM ADDED	DCH

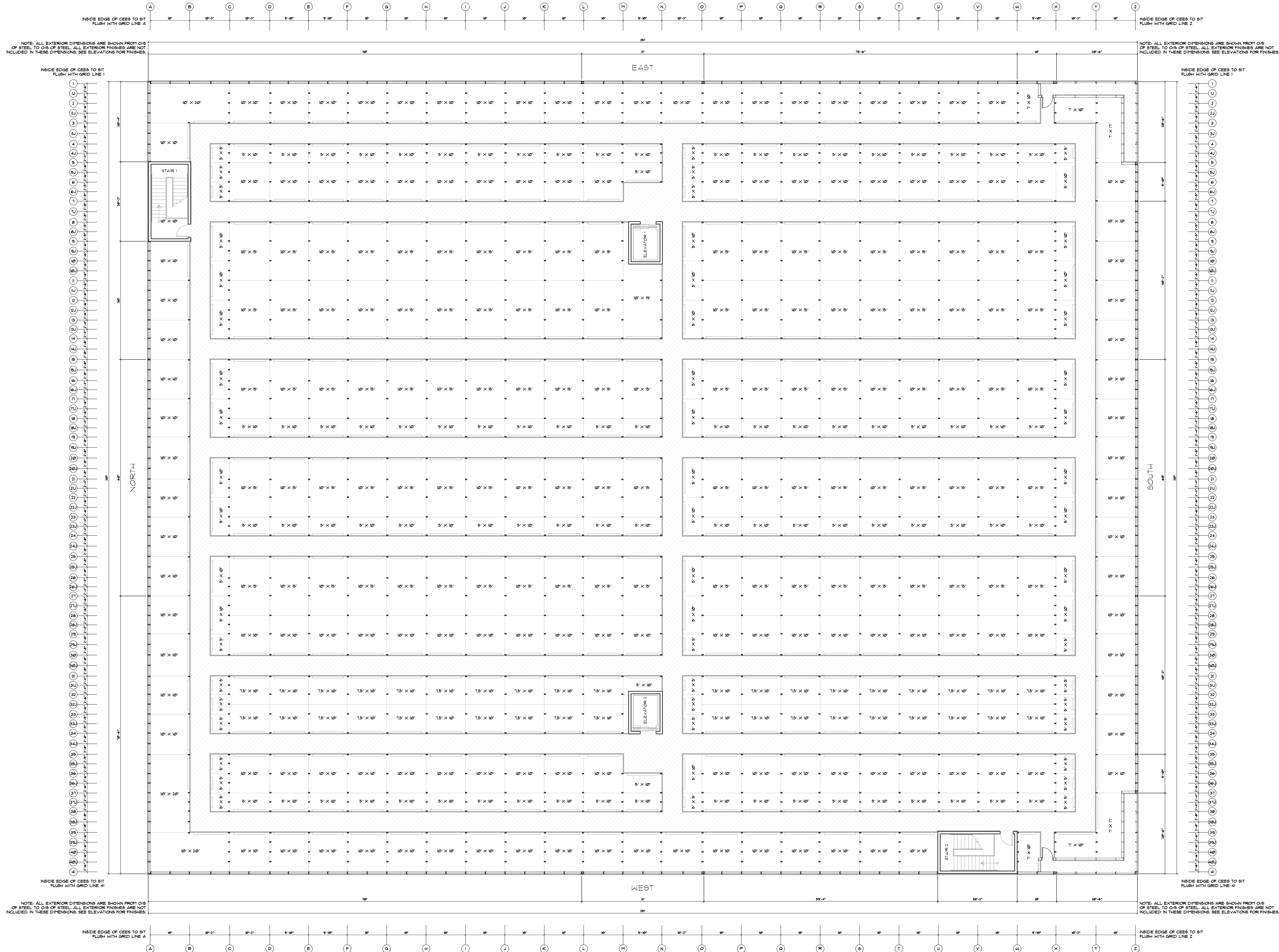
SHEET TITLE

BLDG. A
2ND FLOOR DECKING
PLAN

DATE	01-23-25
DESIGNED BY	RBX
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DRAWN BY	DJM
SCALE	AS NOTED
SHEET	

S1.5





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LICENSE
No. 69265
STATE OF
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PROFESSIONAL ENGINEER
06/20/25

RAPID
BUILDINGS EAST

9000 WEST COLONIAL DR.
SUITE 401
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HOOKS ST. STORAGE
13125 HOOKS STREET
CLERMONT, FL. 34711

REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
2	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

BLDG. A
3RD FLOOR
PARTITION & UNIT
PLAN

DATE 01-23-25
DESIGNED BY RBX
CHECKED BY DJM
DRAWN BY DJM
SCALE AS NOTED
SHEET

S1.6

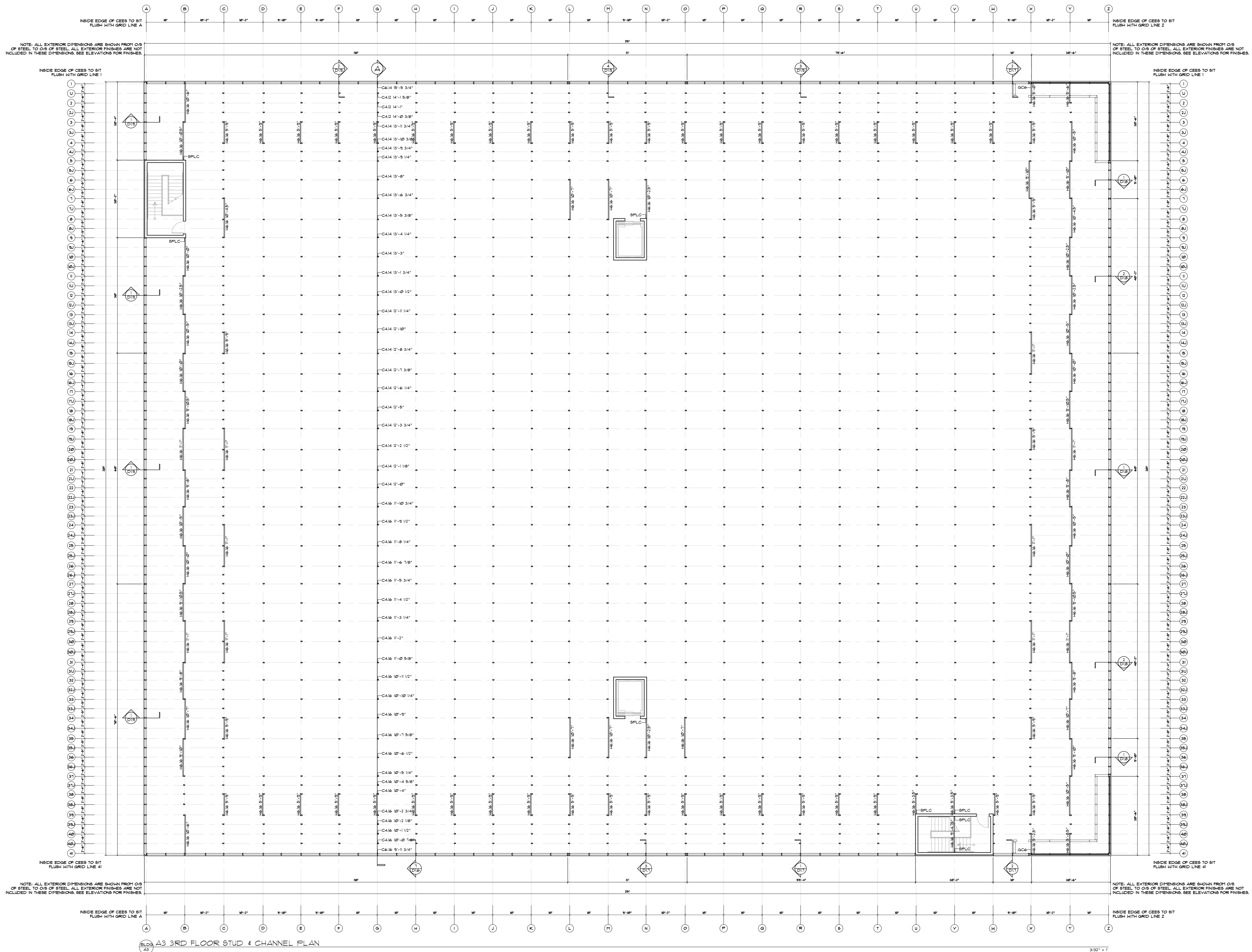
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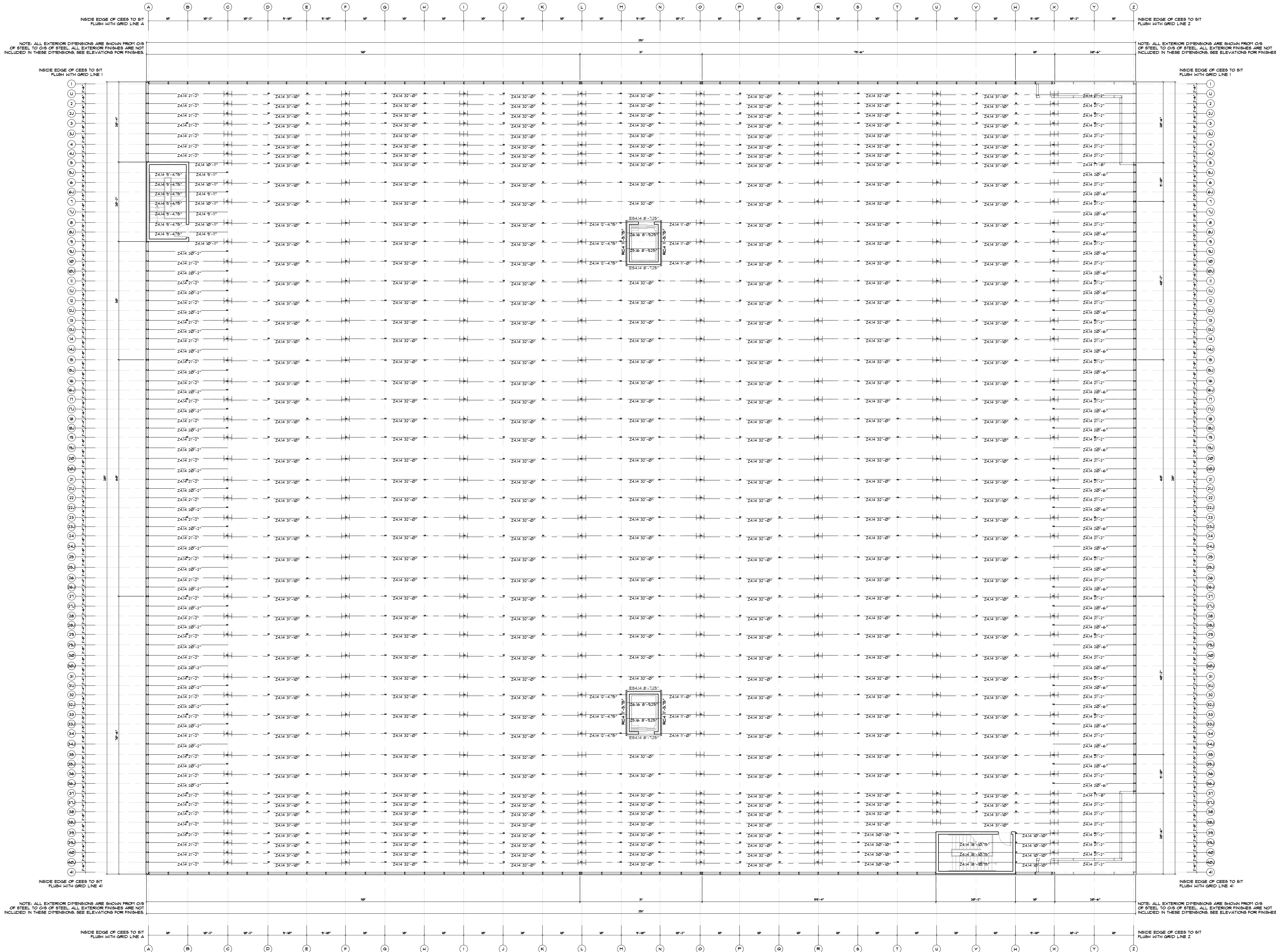
SHEET TITLE

BLDG. A
3RD FLOOR STUD &
CHANNEL PLAN

DATE	01-23-2001
DESIGNED BY	RB
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	

S1.7





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HOOKS ST. STORAGE
13125 HOOKS STREET
CLERMONT, FL. 34711

REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
2	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

BLDG. A
3RD FLOOR ROOF
FRAMING PLAN

DATE
DESIGNED BY
CHECKED BY
DRAWN BY
SCALE
SHEET

01-23-25
RBX
DJM
DJM
AS NOTED

S1.8

3/31' = 1"

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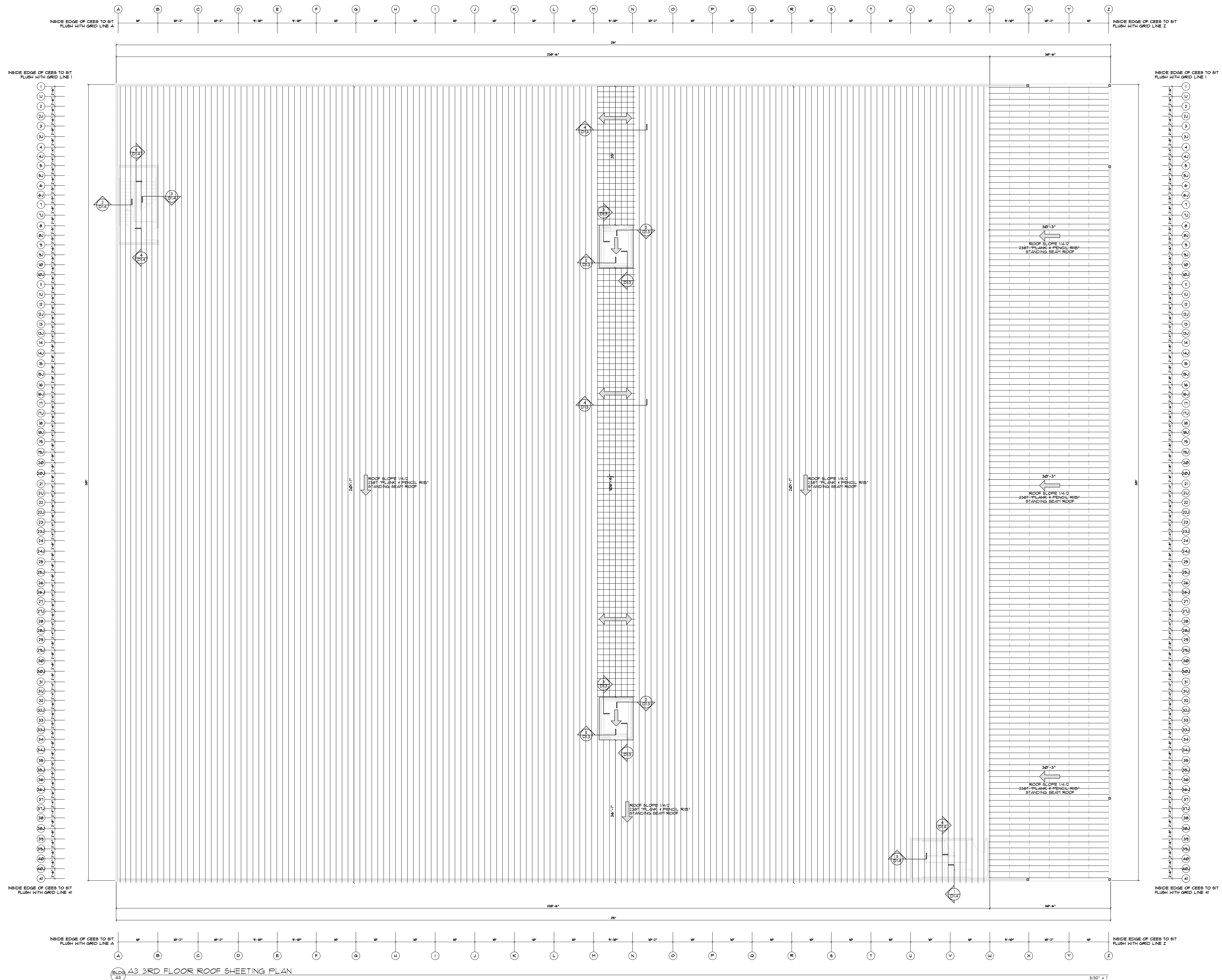
HOOKS ST. STORAGE
13125 HOOKS STREET
CLERMONT, FL. 34711

REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
2	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

DATE	01-23-25
DESIGNED BY	RBX
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	

S1.9



REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
Δ	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

BLDG. A
PLAN NOTES

DATE	01-23-25
DESIGNED BY	RBX
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	

1ST FLOOR LINE KEY
 PIER, HEADER, PIER
 6" R-19 INSULATION IN PERIMETER WALL 26GA LINER PANEL INTERIOR AND 24GA T2 PANEL EXTERIOR
 6" EXTERIOR PERIMETER WALL GREENSPAN, IMPRESSION HEAVY EMBOSSED, (2.5"X42" COVERAGE) EXTERIOR
 6" R-19 INSULATION IN WALL WITH 26GA LINER PANEL BOTH SIDES
 HEADER BEAMS NEED MORE THAN 5' BAY
 HORIZONTAL PARTITION PANEL 26GA GALVALUME TYPE "U"
 HALL WAY SYSTEM
 COLUMNS
 TWO HOUR RATED CMU WALL • STAIR UL • U305
 TWO HOUR RATED CMU WALL • ELEVATOR UL • U305
 ZEE BEAMS

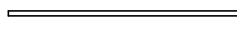
ANCHOR SCHEDULE UNLESS NOTED OTHERWISE
BOTTOM FLOOR (MULTI)
<u>BASE TRACK INSTALLATION</u> 1/2"X3 3/4" WEDGE ANCHORS 30" O.C.
<u>PIER INSTALLATION</u> 1/2"X3 3/4" WEDGE ANCHORS
<u>SPECIAL MASONRY TRACK ATTACHMENT 12GA. GALV. (TO CMU)</u> 3/4"X5 1/2" WEDGE ANCHORS
<u>STEEL DECK SUPPORT ANGLE (TO CMU)</u> 3/4"X5 1/2" WEDGE ANCHORS 24" O.C.

BOTTOM FLOOR PLAN NOTES (3 STORY)
SEE FOUNDATION PLAN FOR SLAB ON GRADE
TYPICAL INTERIOR SUPPORTING COLUMN SHALL BE C412 (4"X2.5"X12GA W/ CONT. 14GA BASE CHANNEL & CONT. 12GA TOP CHANNEL.)
TYPICAL EXTERIOR SUPPORTING COLUMN SHALL BE C614 (6"X2.5"X14GA W/ CONT. 14GA BASE CHANNEL & CONT. 12GA TOP CHANNEL.)
PARTITION PANEL SHALL BE 26GA HORIZONTAL PARTITION PANEL W/ #10 TEK SCREW SIDELAP FASTENERS @ 20" O.C. MAX.
H612 = DOUBLE H612 (6X2.5X12GA CEE HEADER) FOR 5' SPANS (COLUMNS SUPPORTING HEADERS ARE DOUBLE C412 4X2.5"X12GA CEE EACH END OF HEADER)
H812 = DOUBLE H812 (8X2.5X12GA CEE HEADER) FOR 15' SPANS (COLUMNS SUPPORTING HEADER ARE TRIPLE C412 4X2.5"X12GA CEE EACH END OF HEADER)
H1212 = DOUBLE H1212 (12X2.5X12GA CEE HEADER) FOR 10'-12' SPANS (COLUMNS SUPPORTING HEADER ARE TRIPLE C412 4X2.5"X12GA CEE EACH END OF HEADER)
SG116 (11"X16GA SUBGIRT AT 5' O.C. MAX.)

2ND FLOOR LINE KEY
 6" R-19 INSULATION IN PERIMETER WALL 29GA LINER PANEL INTERIOR AND 24GA T2 PANEL EXTERIOR
 6" EXTERIOR PERIMETER WALL GREENSPAN, IMPRESSION HEAVY EMBOSSED, (2.5"X42" COVERAGE) EXTERIOR
 6" R-19 INSULATION IN WALL WITH 29GA LINER PANEL BOTH SIDES
 HEADER BEAMS NEED MORE THAN 5' BAY
 HORIZONTAL PARTITION PANEL 29GA GALVALUME TYPE "U"
 HALL WAY SYSTEM
 COLUMNS
 TWO HOUR RATED CMU WALL • STAIR UL • U305
 TWO HOUR RATED CMU WALL • ELEVATOR UL • U305

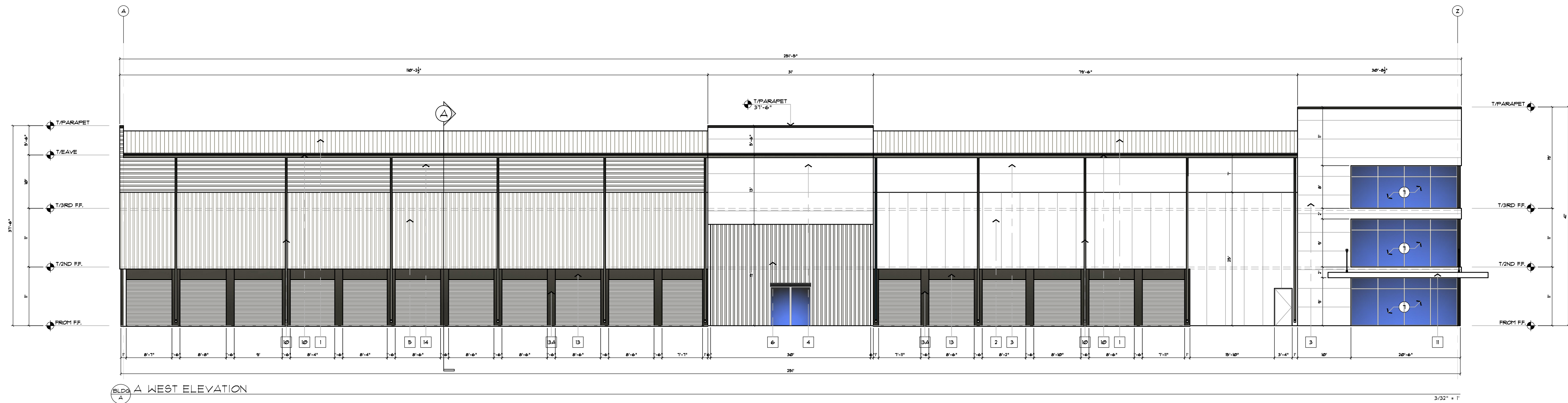
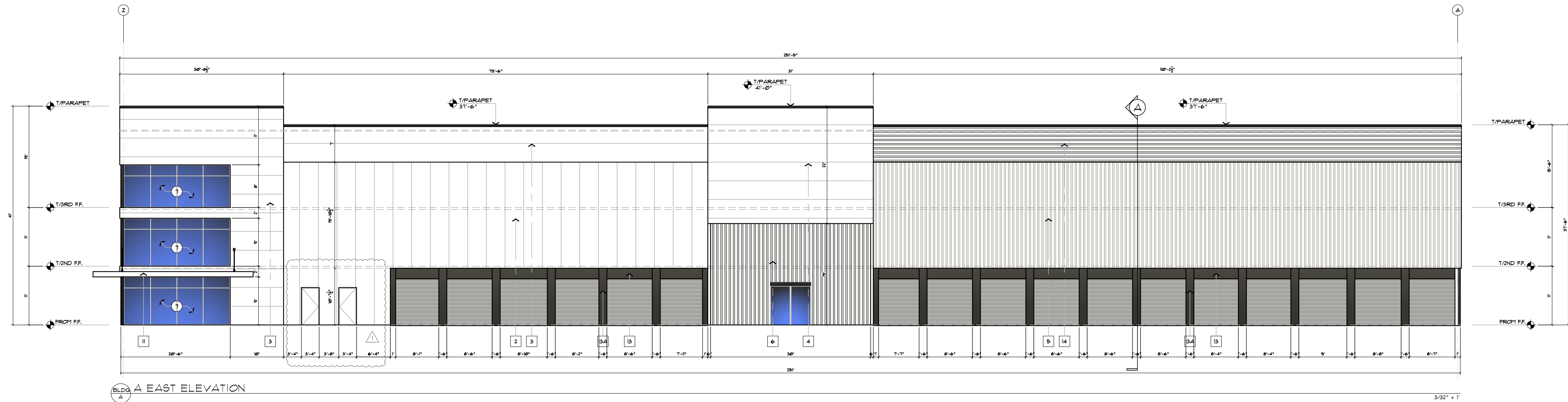
ANCHOR SCHEDULE UNLESS NOTED OTHERWISE
MIDDLE FLOOR (MULTI)
<u>BASE TRACK INSTALLATION</u> 1/2"X2 3/4" WEDGE ANCHORS 30" O.C.
<u>SPECIAL MASONRY TRACK ATTACHMENT 12GA. GALV. (TO CMU)</u> 3/4"X5 1/2" WEDGE ANCHORS
<u>STEEL DECK SUPPORT ANGLE (TO CMU)</u> 3/4"X5 1/2" WEDGE ANCHORS 24" O.C.

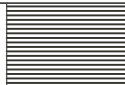
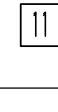
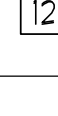
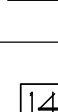
MIDDLE FLOOR PLAN NOTES (3 STORY)
T/SECOND FLOOR SLAB = 11'-0"
TYPICAL ELEVATED FLOOR CONSTRUCTION BETWEEN 1ST AND 2ND FLOORS SHALL BE 4 1/2", (2 1/2" CLEAR) REGULAR WEIGHT CONCRETE 3000 PSI OVER VULCRAFT 2VL18 GALVANIZED COMPOSITE METAL DECK, REINFORCE SLAB WITH 6X6-W14XW14 FLAT SHEETS SUPPORTED ON BOLSTER CHAIRS, SET FLAT SHEETS 1 1/2" ABOVE DECK, FASTEN DECK TO SUPPORT STRUCTURE WITH #12 TEK SELF-DRILLING SCREWS AT EA. FLUTE, 36/44 PATTERN WITH (4) SIDELAP FASTENERS, 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
TYPICAL INTERIOR SUPPORTING COLUMN SHALL BE C414 (4"X2.5"X14GA W/ CONT. 16GA BASE CHANNEL & CONT. 14GA TOP CHANNEL.)
TYPICAL EXTERIOR SUPPORTING COLUMN SHALL BE C616 (6"X2.5"X16GA W/ CONT. 16GA BASE CHANNEL & CONT. 14GA TOP CHANNEL.)
PARTITION PANEL SHALL BE 29GA HORIZONTAL PARTITION PANEL W/ #10 TEK SCREW SIDELAP FASTENERS @ 20" O.C. MAX.
H612 = DOUBLE H612 (6X2.5X12GA CEE HEADER) FOR 5'-15' SPANS (COLUMNS SUPPORTING HEADERS ARE DOUBLE C412 4X2.5"X12GA CEE EACH END OF HEADER)
H812 = DOUBLE H812 (8X2.5X12GA CEE HEADER) FOR 15'-10' SPANS (COLUMNS SUPPORTING HEADER ARE DOUBLE C412 4X2.5"X12GA CEE EACH END OF HEADER)
H1212 = DOUBLE H1212 (12X2.5X12GA CEE HEADER) FOR 15' SPANS (COLUMNS SUPPORTING HEADER ARE TRIPLE C412 4X2.5"X12GA CEE EACH END OF HEADER)
SG116 (11"X16GA SUBGIRT AT 5' O.C. MAX.)

3RD FLOOR LINE KEY
 6" R-19 INSULATION IN PERIMETER WALL 29GA LINER PANEL INTERIOR AND 24GA T2 PANEL EXTERIOR
 6" EXTERIOR PERIMETER WALL GREENSPAN, IMPRESSION HEAVY EMBOSSED, (2.5"X42" COVERAGE) EXTERIOR
 6" R-19 INSULATION IN WALL WITH 29GA LINER PANEL BOTH SIDES
 HEADER BEAMS NEED MORE THAN 5' BAY
 HORIZONTAL PARTITION PANEL 29GA GALVALUME TYPE "U"
 HALL WAY SYSTEM
 COLUMNS
 TWO HOUR RATED CMU WALL • STAIR UL • U305
 TWO HOUR RATED CMU WALL • ELEVATOR UL • U305
 ZEE BEAMS

ANCHOR SCHEDULE UNLESS NOTED OTHERWISE
TOP FLOOR (MULTI)
<u>BASE CLIP INSTALLATION</u> 1/2"X2 3/4" WEDGE ANCHORS
<u>BASE TRACK INSTALLATION</u> 1/2"X2 3/4" WEDGE ANCHORS 30" O.C.
<u>12GA. GALV. ANGLE INSTALLATION (TO CMU)</u> 1/2"X3 3/4" WEDGE ANCHORS
<u>LINTEL AND EAVE STRUT INSTALLATION (TO CMU)</u> 1/4X1 1/4 TAPCONS 12" O.C.

TOP FLOOR PLAN NOTES (3 STORY)
T/THIRD FLOOR SLAB = 22'-0"
TYPICAL ELEVATED FLOOR CONSTRUCTION BETWEEN 2ND AND 3RD FLOORS SHALL BE 4 1/2", (2 1/2" CLEAR) REGULAR WEIGHT CONCRETE 3000 PSI OVER VULCRAFT 2VL18 GALVANIZED COMPOSITE METAL DECK, REINFORCE SLAB WITH 6X6-W14XW14 FLAT SHEETS SUPPORTED ON BOLSTER CHAIRS, SET FLAT SHEETS 1 1/2" ABOVE DECK, FASTEN DECK TO SUPPORT STRUCTURE WITH #12 TEK SELF-DRILLING SCREWS AT EA. FLUTE, 36/44 PATTERN WITH (4) SIDELAP FASTENERS, 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
TYPICAL INTERIOR SUPPORTING COLUMN SHALL BE C416 (4X2.5X16GA CEE) UP TO 12'-0" TYPICAL INTERIOR SUPPORTING COLUMN SHALL BE C414 (4X2.5X14GA CEE) GREATER THAN 12'-0" TYPICAL EXTERIOR SUPPORTING COLUMN SHALL BE C616 (6X2.5X16GA CEE)
TYPICAL FURLIN SHALL BE Z414 (4X2 1/8"X2 3/8"X14GA ZEE)
H616 = SINGLE H616 (6X2.5X16GA CEE HEADER) FOR 10' SPANS (COLUMNS SUPPORTING HEADERS ARE SINGLE C416 4X2.5"X16GA CEE EACH END OF HEADER)
H814 = SINGLE H814 (8X2.5X14GA CEE HEADER) FOR 15' SPANS (COLUMNS SUPPORTING HEADERS ARE SINGLE C414 4X2.5"X14GA CEE EACH END OF HEADER)
PARTITION PANEL SHALL BE 29GA HORIZONTAL PARTITION PANEL W/ #10 TEK SCREW SIDELAP FASTENERS @ 20" O.C. MAX.
<u>ROOF PLAN NOTES:</u>
24GA 238T STANDING BEAM "PLANK & PENCIL RIB" ROOF PANEL - GALVALUME



EXTERIOR FINISH SCHEDULE							DOOR	STEEL CORRUGATED ROLL UP DOORS (BY OTHERS)	COLOR REF. ARCH.
CALLOUT	HATCH	MATERIAL	DESCRIPTION	COLOR					
1		METAL IFS	24GA 12BT STANDING BEAM "PLANK 4 PENCIL RSP" ROOF PANEL	GALVALUME	2		GLASS	SLIDING ALUMINUM GLASS DOOR (BY OTHERS)	N/A
2		METAL IFS	GREENSPAN IMPRESSION HEAVY EMBOSSED, VERTICAL (25"x42" COVERAGE)	COLOR REF. ARCH.	10		METAL TRIM	APEC 24GA OVERSIZED GUTTERS 4 DOWNSPOUTS	COLOR REF. ARCH.
3		METAL PANEL	GREENSPAN IMPRESSION HEAVY EMBOSSED, HORIZONTAL (25"x42" COVERAGE)	COLOR REF. ARCH.	11		CANOPY	METAL CANOPY (BY OTHERS)	COLOR REF. ARCH.
4		METAL PANEL	GREENSPAN IMPRESSION HEAVY EMBOSSED, HORIZONTAL (25"x42" COVERAGE)	COLOR REF. ARCH.	12		DOOR	PERSONNEL SWING DOOR (BY OTHERS)	COLOR REF. ARCH.
5		METAL PANEL	APEC 24GA 12 PANEL VERTICAL (15"x36" COVERAGE)	COLOR REF. ARCH.	13		STRUCTURAL HEADER	18" 16GA STRUCTURAL HEADER (FIELD PAINT TEX COTE)	COLOR REF. ARCH.
6		METAL PANEL	APEC 24GA 12 PANEL VERTICAL (15"x36" COVERAGE)	COLOR REF. ARCH.	13A		STRUCTURAL PIER	18" 16GA STRUCTURAL PIER (FIELD PAINT TEX COTE)	COLOR REF. ARCH.
7		GLASS	GLASS STORE FRONT (BY OTHERS)	N/A	14		METAL PANEL	APEC 24GA 12 PANEL HORIZONTAL (15"x36" COVERAGE)	COLOR REF. ARCH.

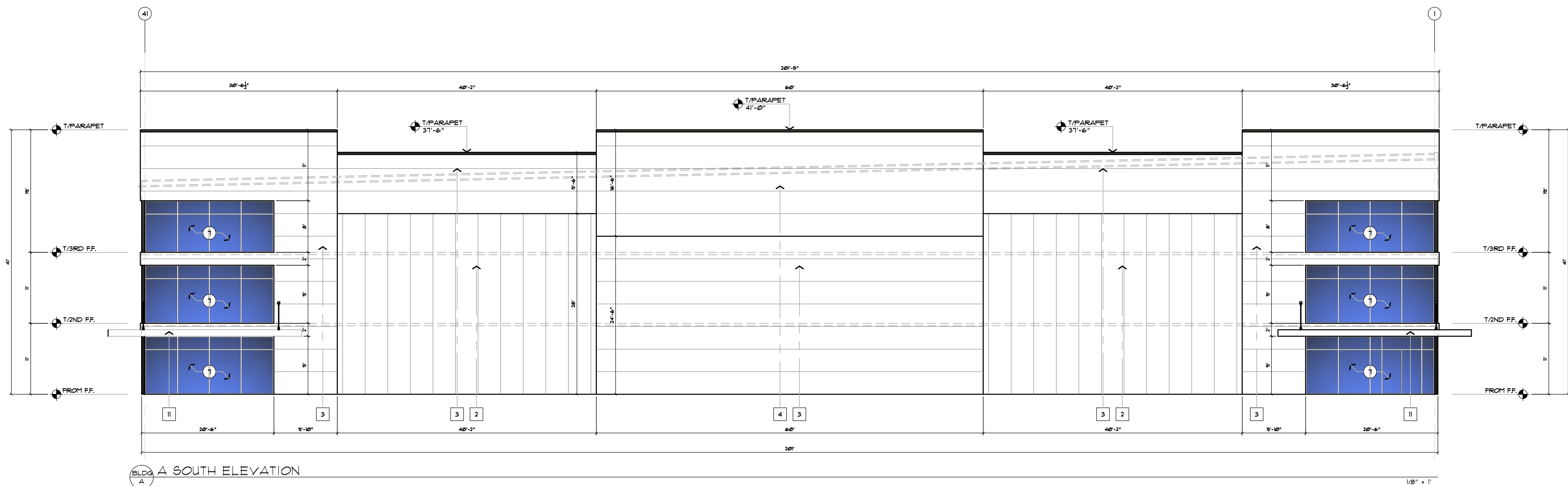
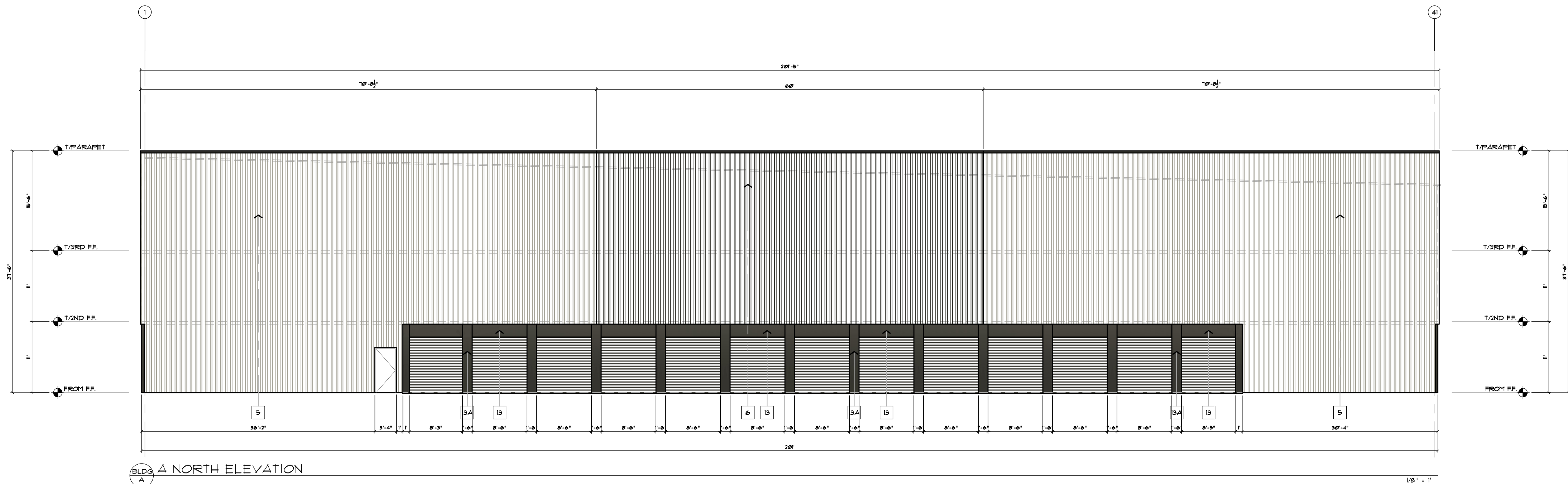
REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
Δ	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

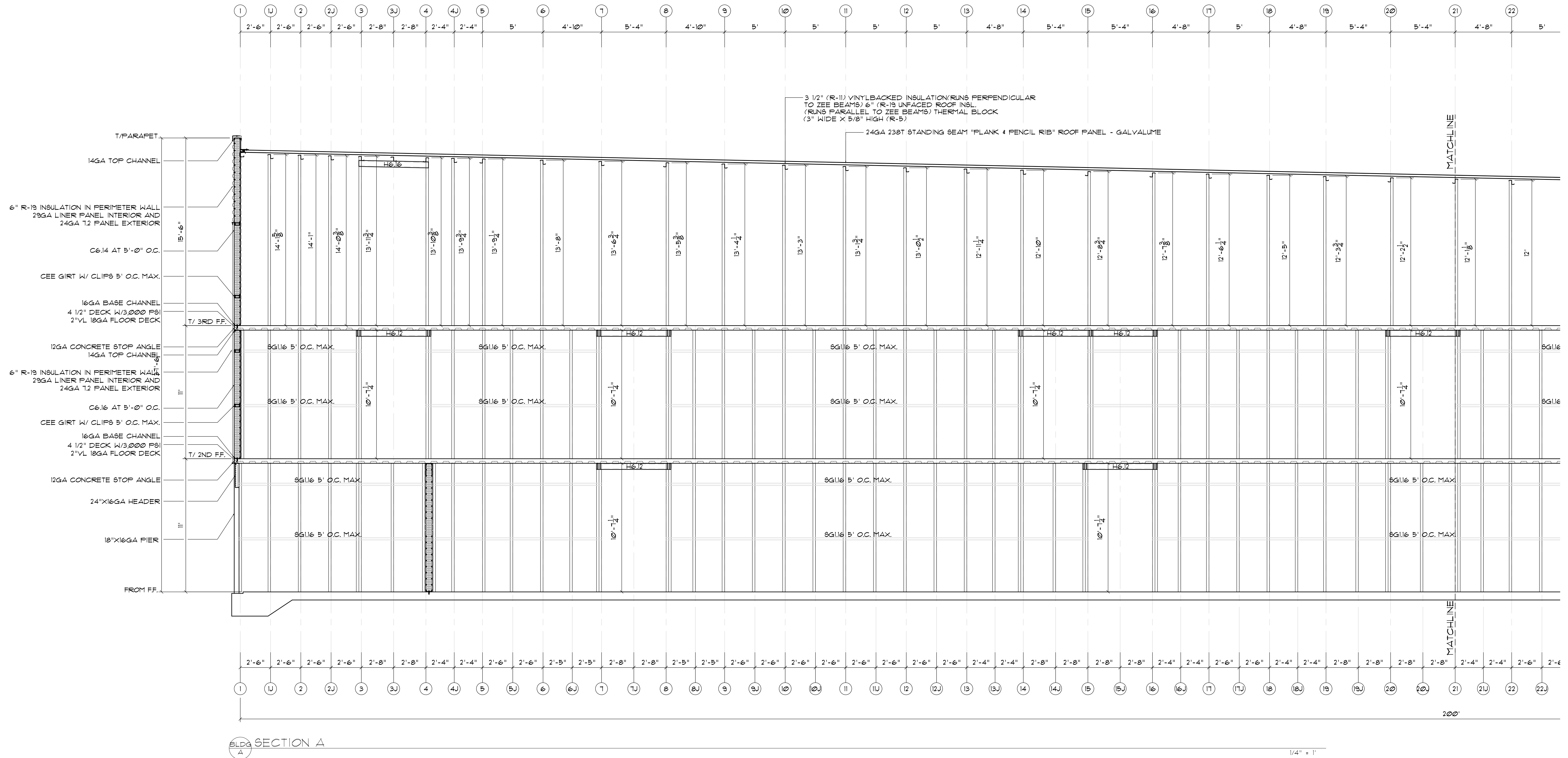
BLDG. A
ELEVATIONS

DATE 01-23-25
DESIGNED BY RBX
CHECKED BY DJM
DRAWN BY DJM
SCALE AS NOTED
SHEET

E1.1



EXTERIOR FINISH SCHEDULE										
CALLOUT	HATCH	MATERIAL	DESCRIPTION	COLOR			DOOR	STEEL CORRUGATED ROLL UP DOORS (BY OTHERS)	COLOR REF. ARCH.	
1		METAL IPS	24GA 238T STANDING SEAM PLANK & PENCIL RISER ROOF PANEL	GALVALUME	8		GLASS	SLIDING ALUMINUM GLASS DOOR (BY OTHERS)	N/A	
2		METAL IPS	GREENSPAN IMPRESSION HEAVY EMBOSSED, VERTICAL (25"x42" COVERAGE)	COLOR REF. ARCH.	10		METAL TRIM	APEC 24GA OVERSIZED GUTTERS & DOWNSPOUTS	COLOR REF. ARCH.	
3		METAL PANEL	GREENSPAN IMPRESSION HEAVY EMBOSSED, HORIZONTAL (25"x42" COVERAGE)	COLOR REF. ARCH.	11		CANOPY	METAL CANOPY (BY OTHERS)	COLOR REF. ARCH.	
4		METAL PANEL	GREENSPAN IMPRESSION HEAVY EMBOSSED, HORIZONTAL (25"x42" COVERAGE)	COLOR REF. ARCH.	12		DOOR	PERSONNEL SWING DOOR (BY OTHERS)	COLOR REF. ARCH.	
5		METAL PANEL	APEC 24GA 12 PANEL VERTICAL (15"x36" COVERAGE)	COLOR REF. ARCH.	13		STRUCTURAL HEADER	18" 16GA STRUCTURAL HEADER (FIELD PAINT TEX COTE)	COLOR REF. ARCH.	
6		METAL PANEL	APEC 24GA 12 PANEL VERTICAL (15"x36" COVERAGE)	COLOR REF. ARCH.	13A		STRUCTURAL PIER	18" 16GA STRUCTURAL PIER (FIELD PAINT TEX COTE)	COLOR REF. ARCH.	
7		GLASS	GLASS STORE FRONT (BY OTHERS)	N/A	14		METAL PANEL	APEC 24GA 12 PANEL HORIZONTAL (15"x36" COVERAGE)	COLOR REF. ARCH.	

SHEET TITLE

BLDG SECTION A

1/4" = 1"

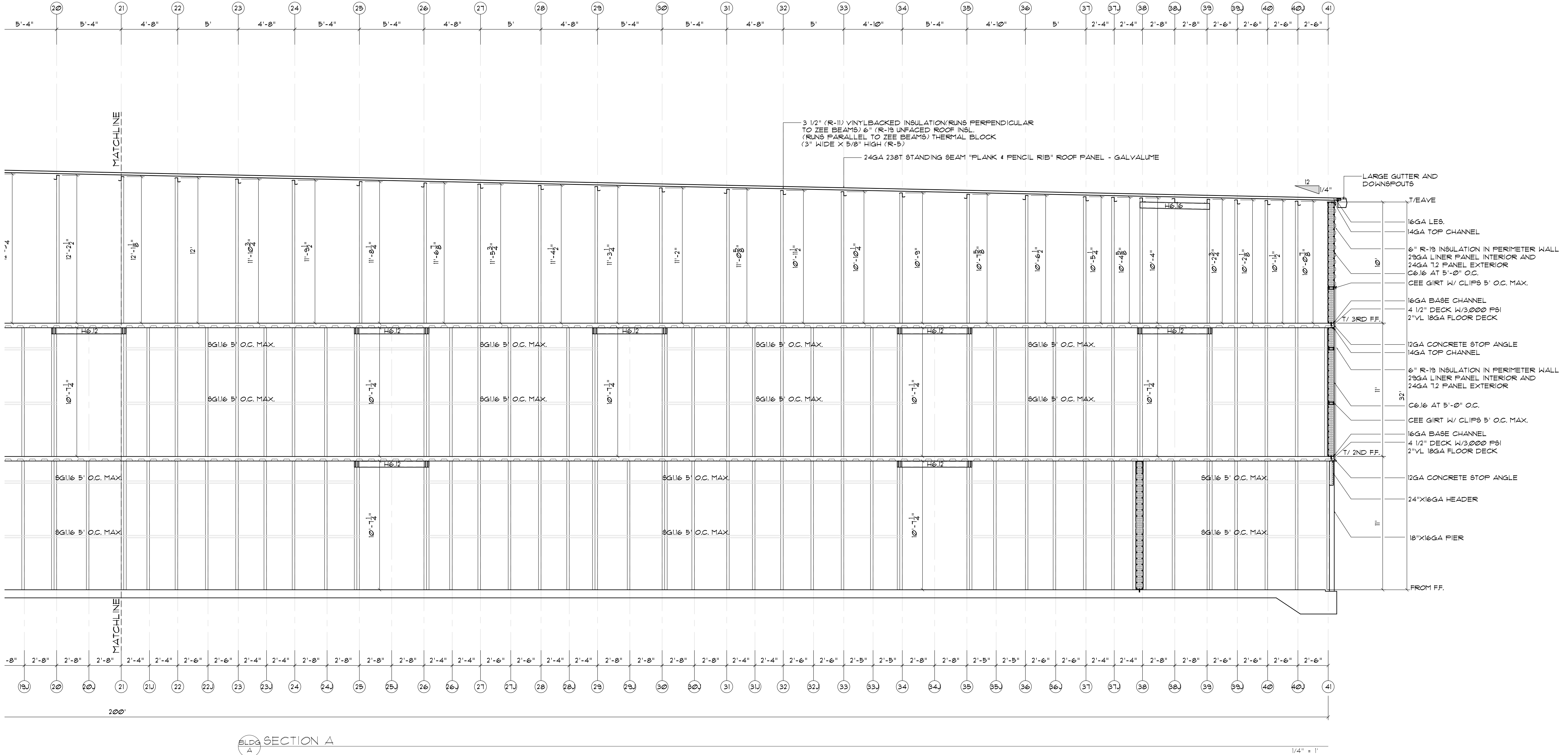
REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
Δ	05/28/25	RISER ROOM ADDED	DCH

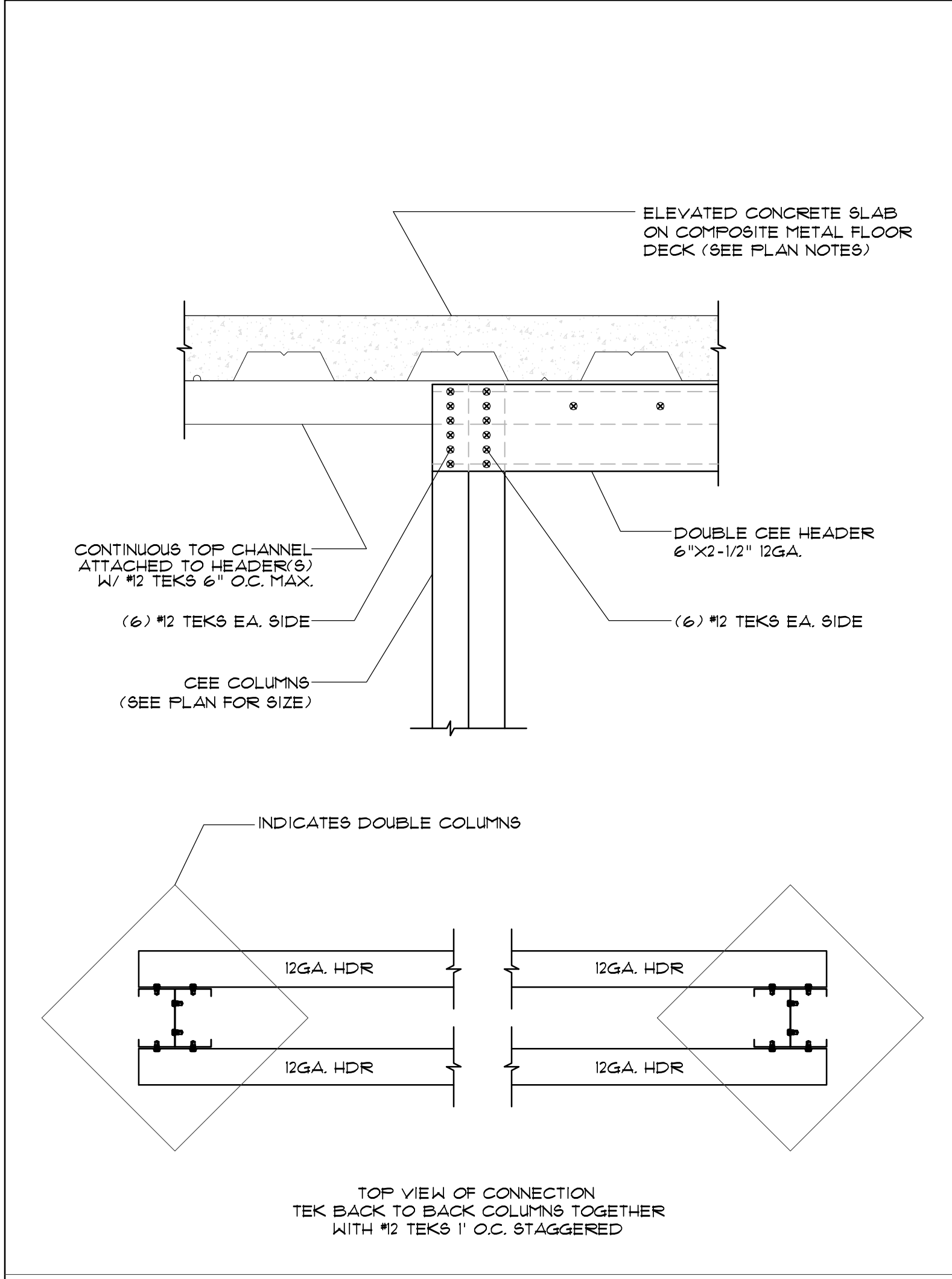
SHEET TITLE

BLDG. A
SECTIONS

DATE 01-23-25
DESIGNED BY RBX
CHECKED BY DJM
DRAWN BY DJM
SCALE AS NOTED
SHEET

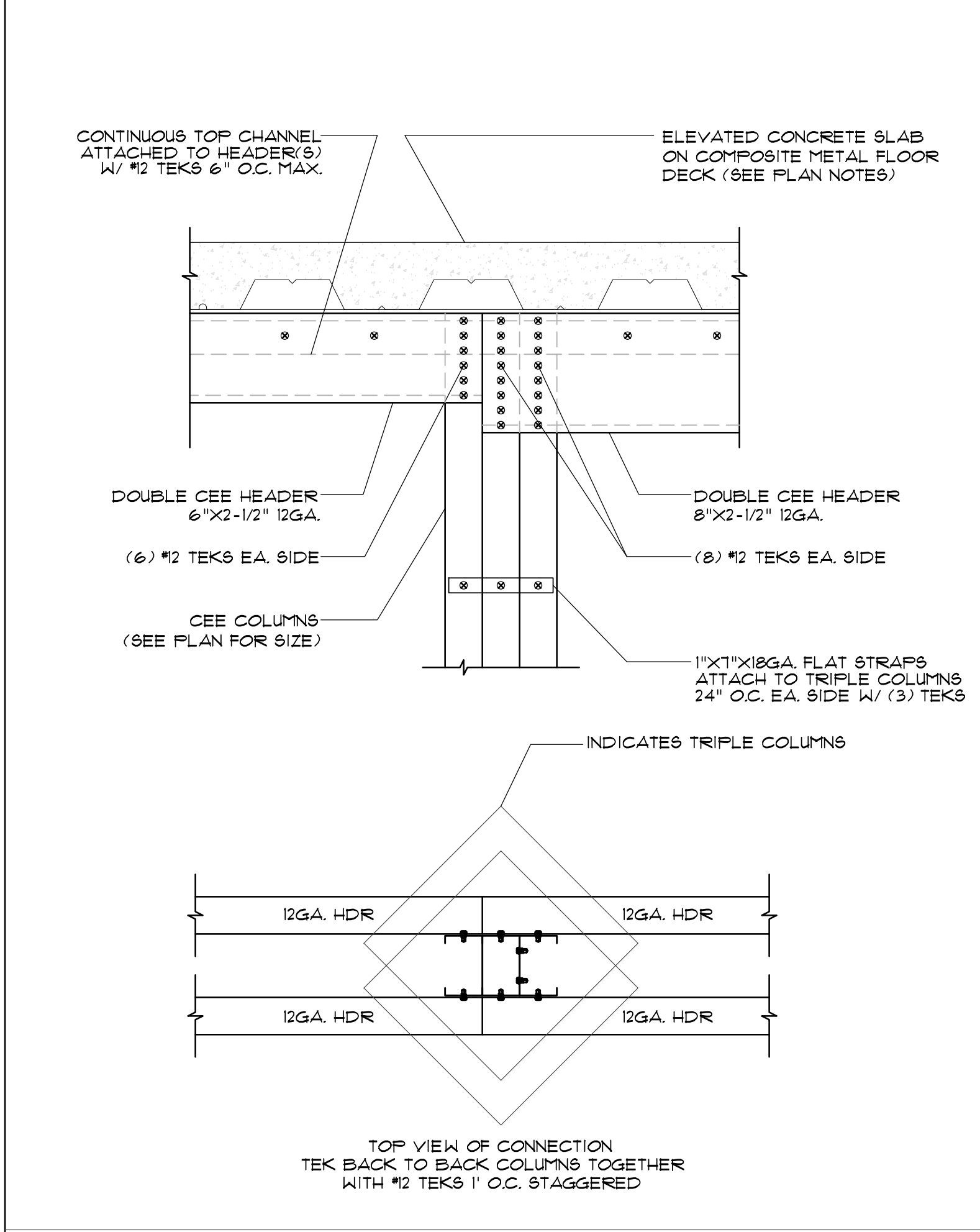
E1.3



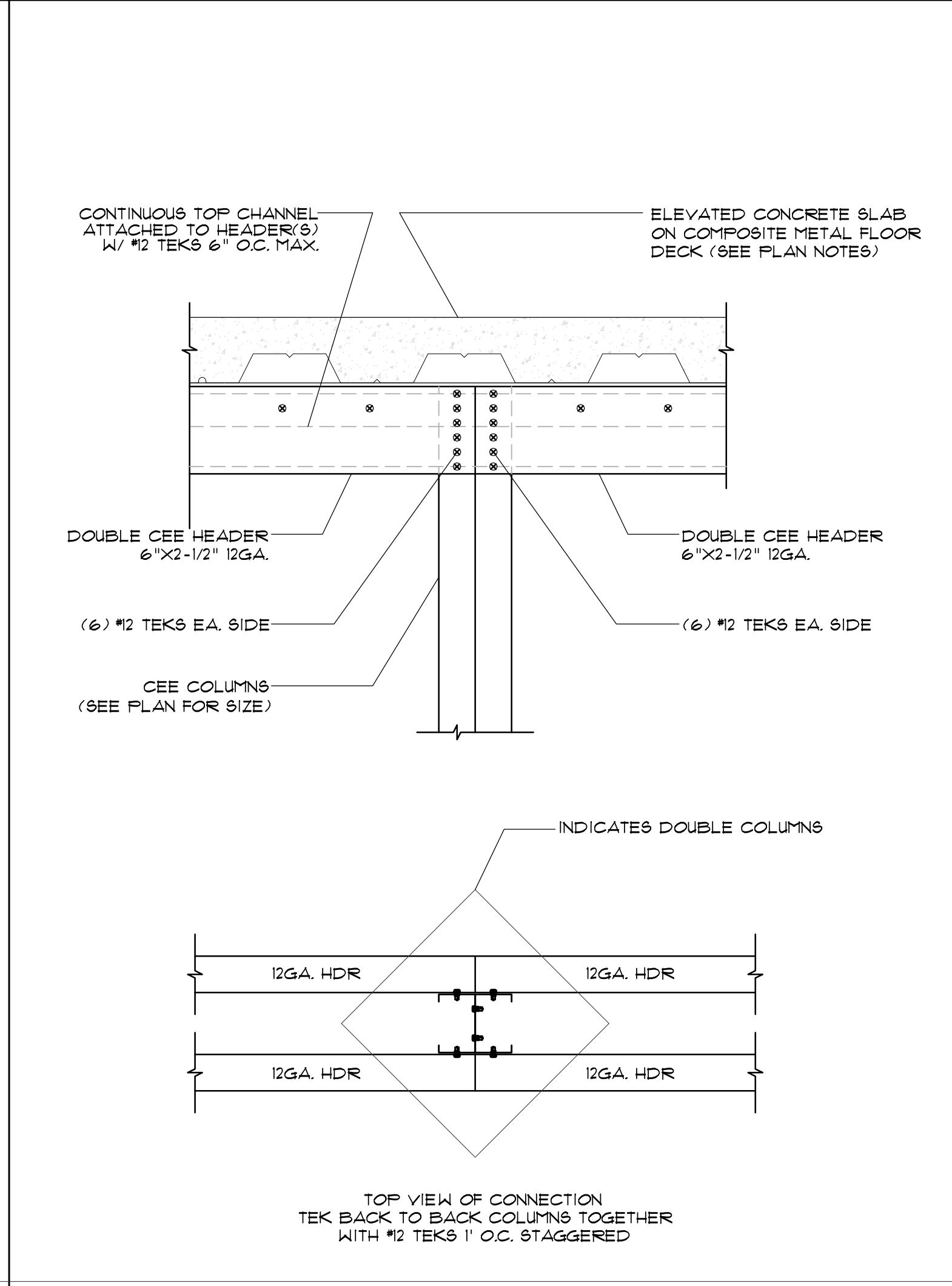


H6.12 HEADER DETAIL WITH A DISCONTINUOUS END
SCALE: 1 1/2" = 1'

NOTE: FOR A BOTTOM FLOOR OF A 2 STORY OR THE MIDDLE FLOOR OF A 3 STORY, ONLY DOUBLE COLUMNS ARE NEEDED ON EITHER END OF HEADERS INSTEAD OF THE TRIPLE COLUMNS SHOWN.

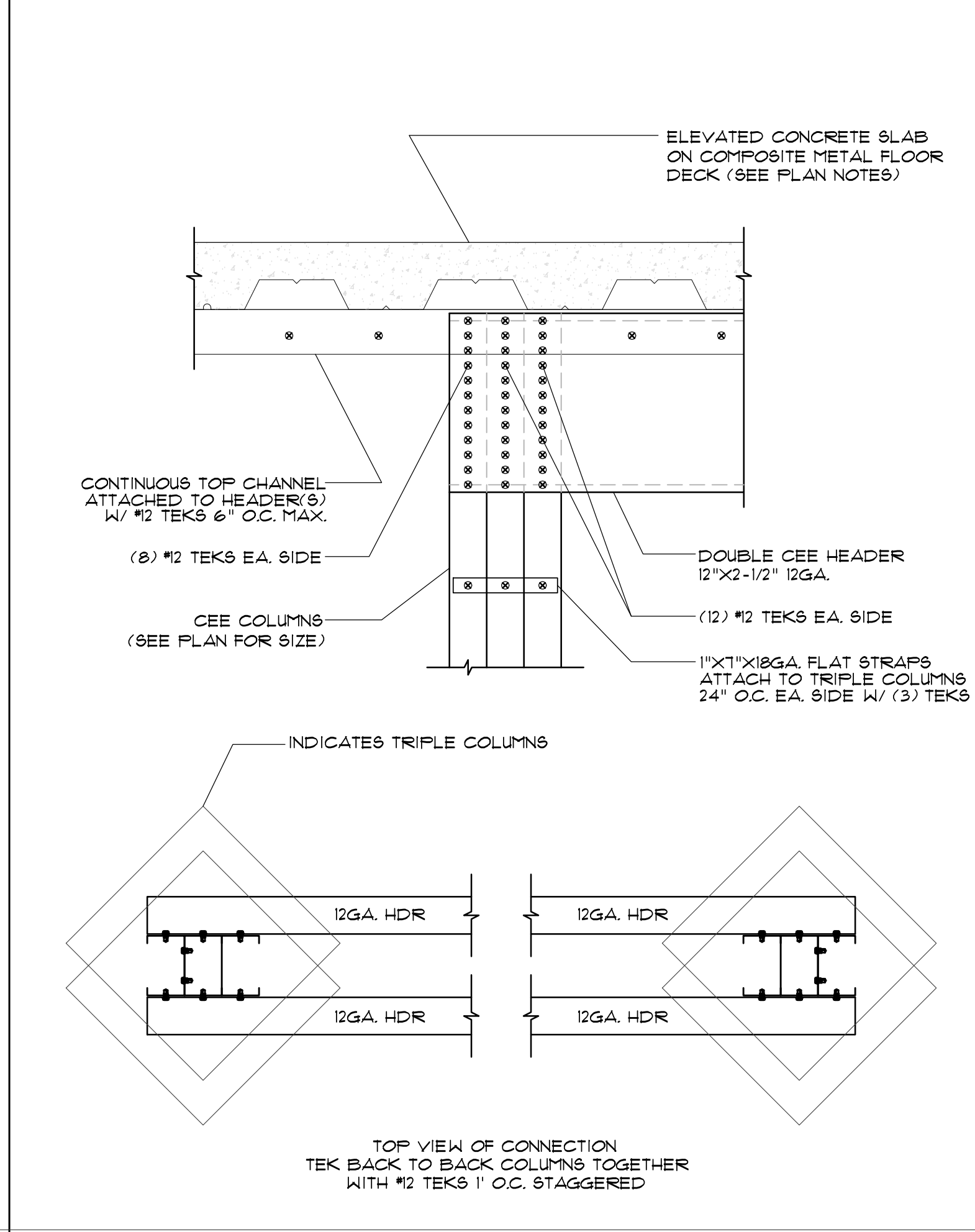


H6.12 TO H8.12 HEADER DETAIL WITH A DISCONTINUOUS END
SCALE: 1 1/2" = 1'

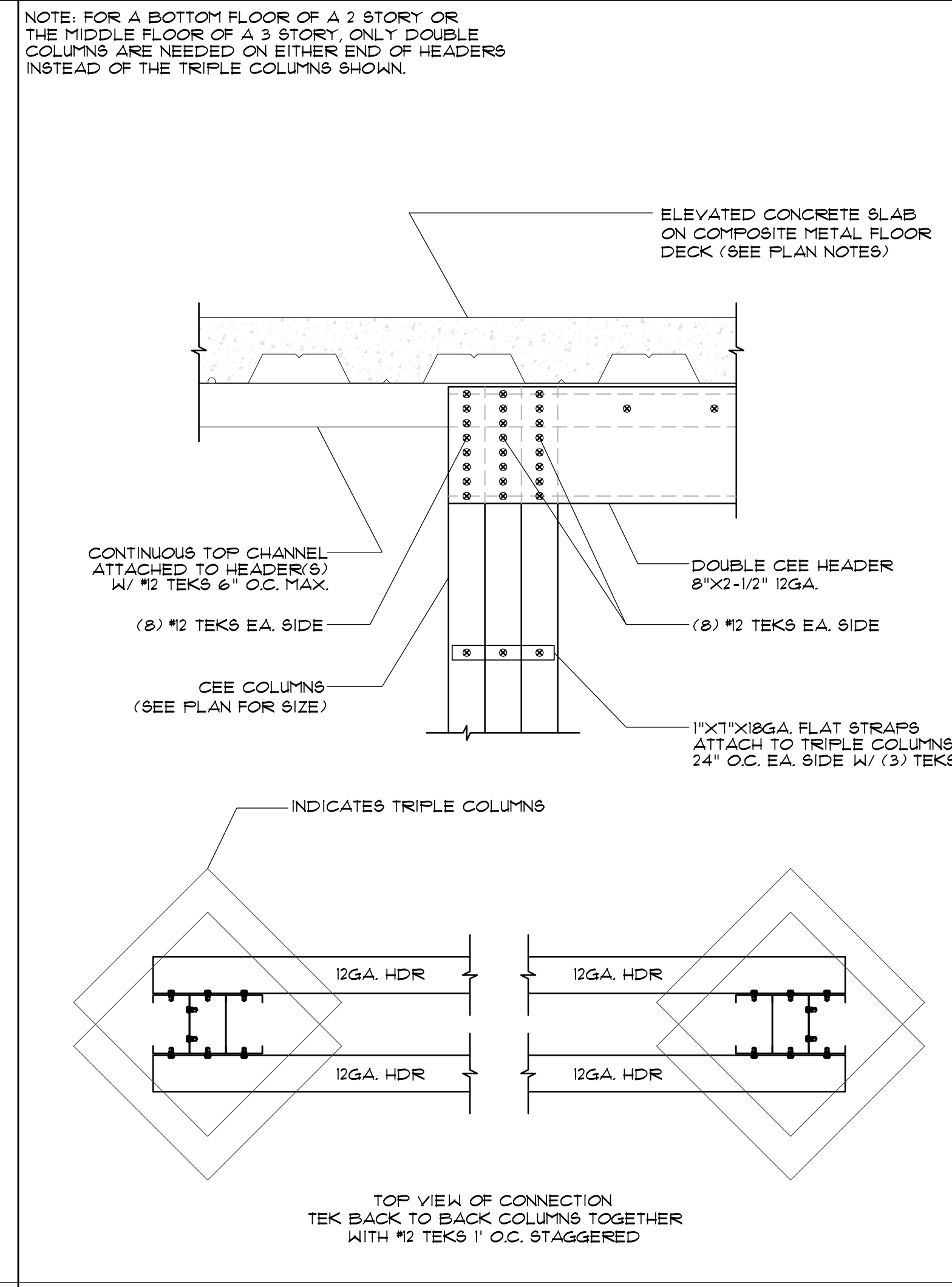


H6.12 HEADER DETAIL WITH A HEADER EACH SIDE OF COLUMN
SCALE: 1 1/2" = 1'

NOTE: FOR A BOTTOM FLOOR OF A 2 STORY OR THE MIDDLE FLOOR OF A 3 STORY, ONLY DOUBLE COLUMNS ARE NEEDED ON EITHER END OF HEADERS INSTEAD OF THE TRIPLE COLUMNS SHOWN.

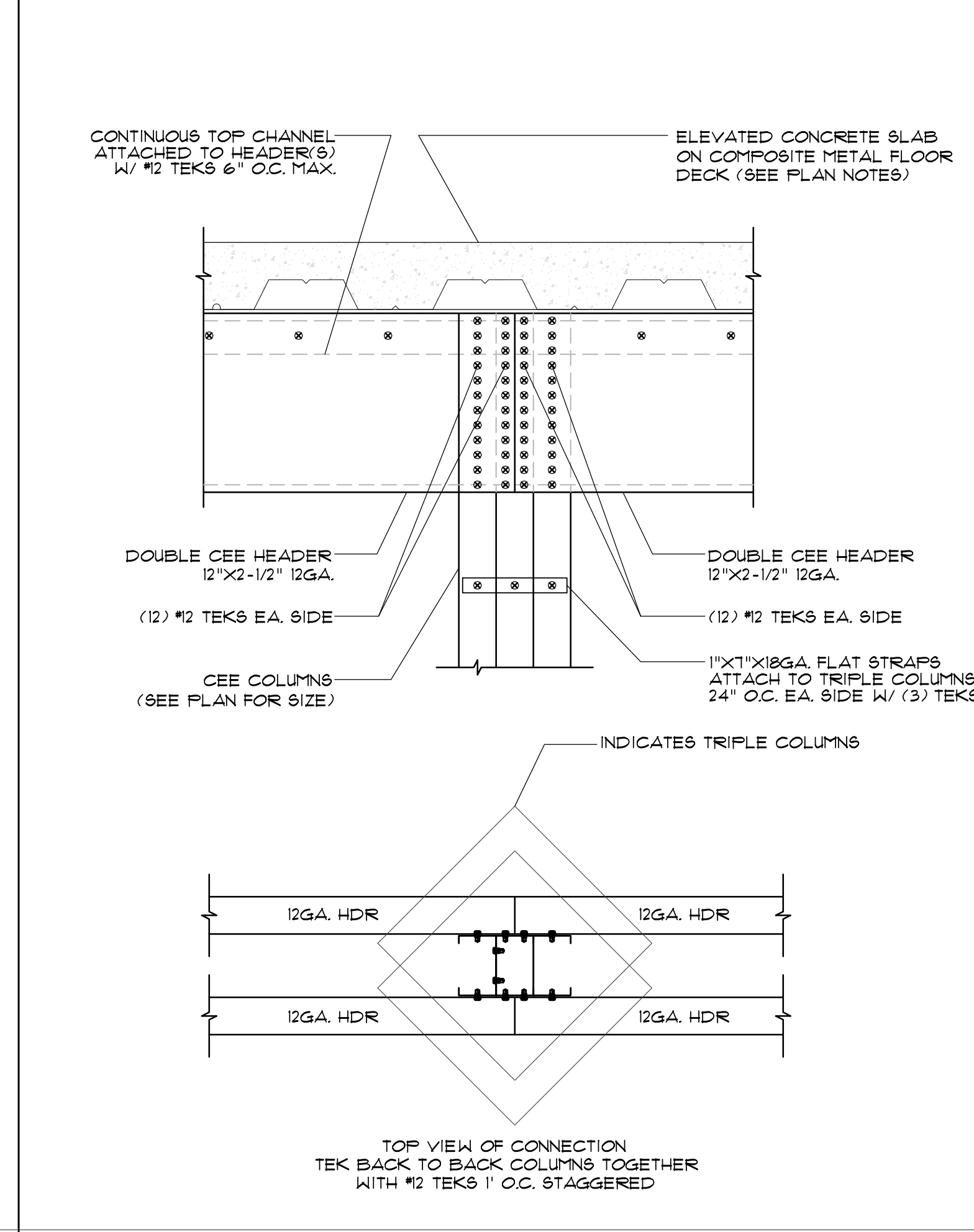


H12.12 HEADER DETAIL WITH A DISCONTINUOUS END
SCALE: 1 1/2" = 1'

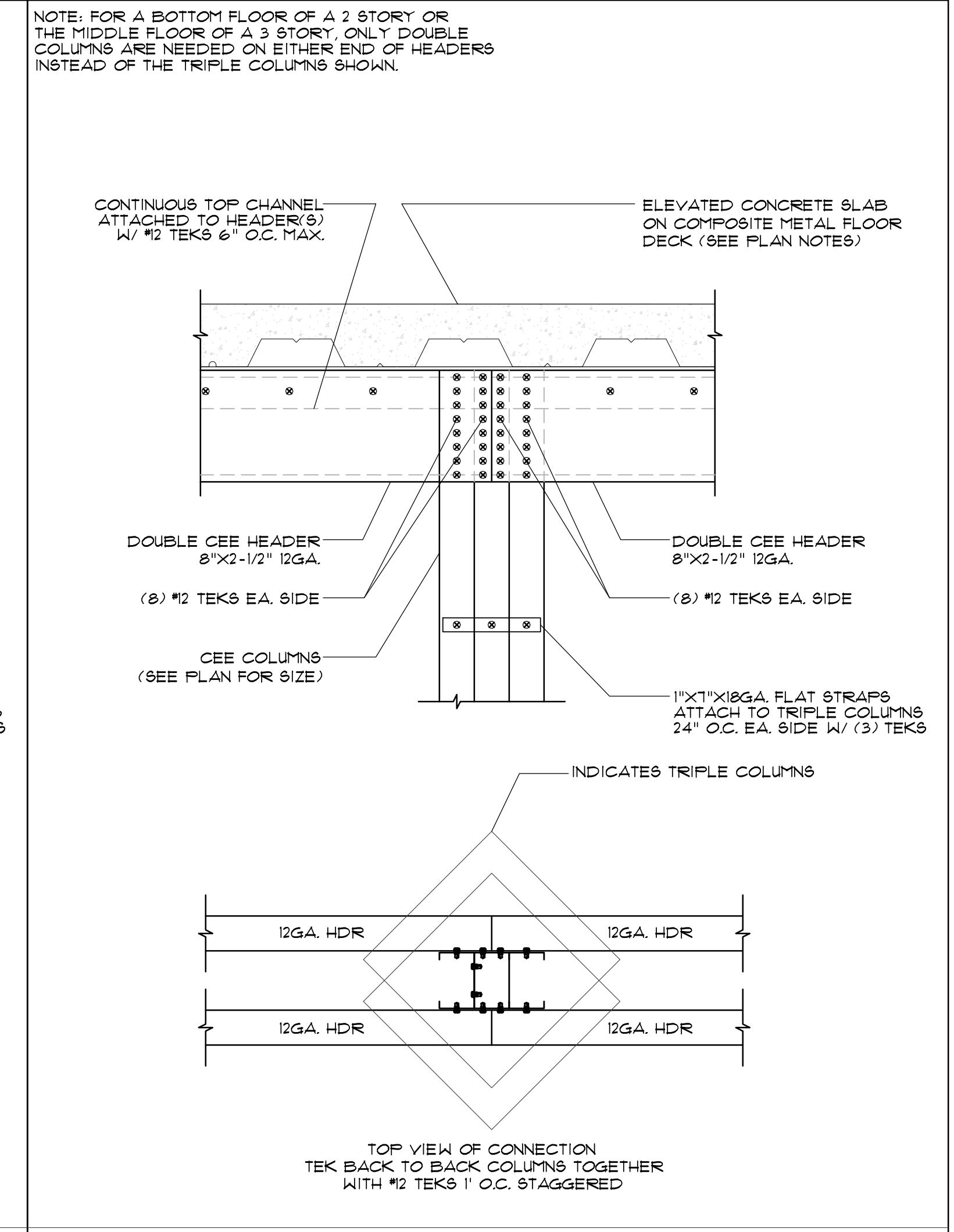


H8.12 HEADER DETAIL WITH A DISCONTINUOUS END
SCALE: 1 1/2" = 1'

NOTE: FOR A BOTTOM FLOOR OF A 2 STORY OR THE MIDDLE FLOOR OF A 3 STORY, ONLY DOUBLE COLUMNS ARE NEEDED ON EITHER END OF HEADERS INSTEAD OF THE TRIPLE COLUMNS SHOWN.

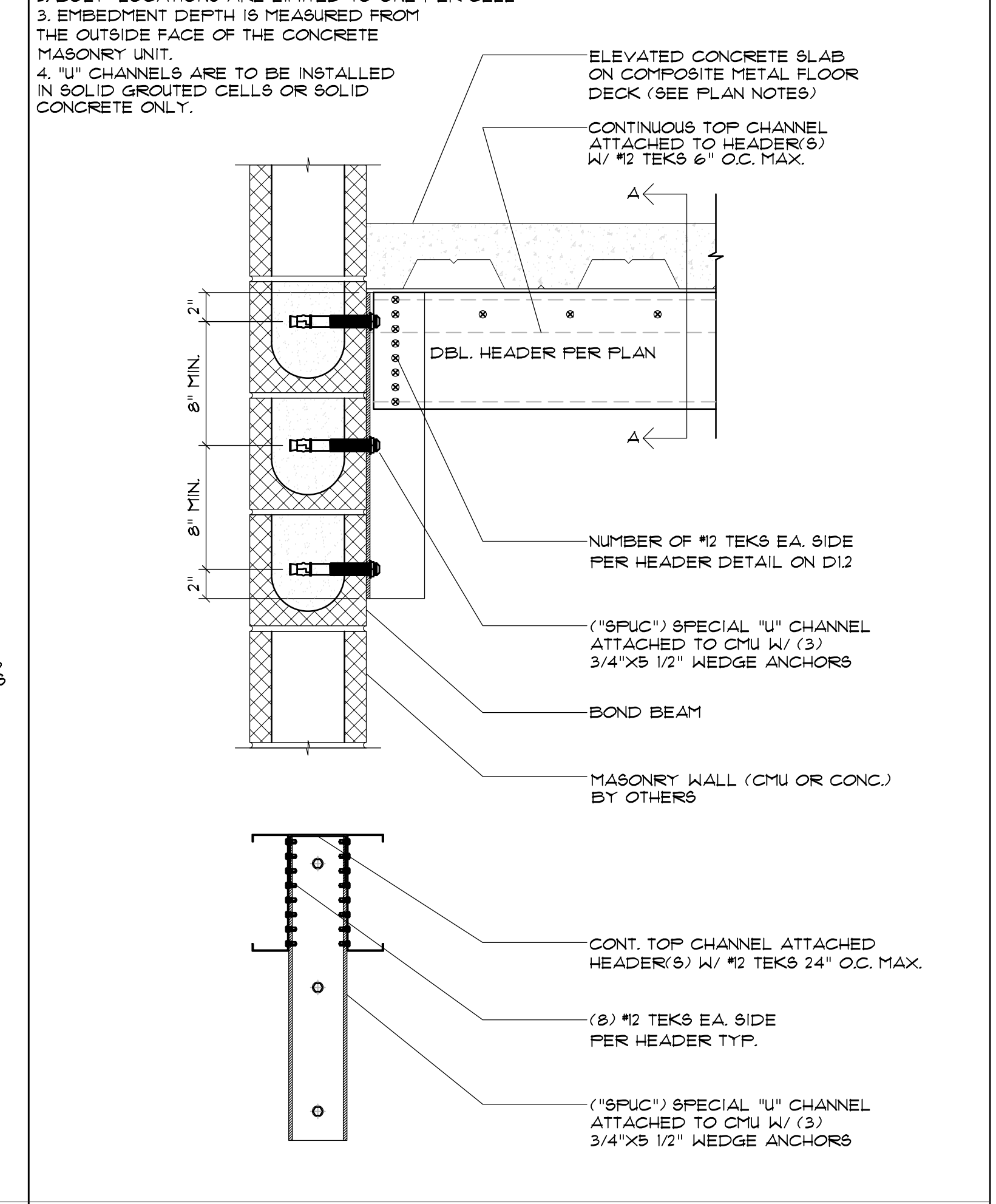


H12.12 HEADER DETAIL WITH A CONTINUOUS END
SCALE: 1 1/2" = 1'



H8.12 HEADER DETAIL WITH A CONTINUOUS END
SCALE: 1 1/2" = 1'

NOTES:
1. ANCHORS MUST BE INSTALLED A MIN. OF 1 3/8" FROM ANY VETICAL MORTAR JOINT
2. BOLT LOCATIONS ARE LIMITED TO ONE PER CELL
3. EMBEDMENT DEPTH IS MEASURED FROM THE OUTSIDE FACE OF THE CONCRETE MASONRY UNIT.
4. "U" CHANNELS ARE TO BE INSTALLED IN SOLID GROUTED CELLS OR SOLID CONCRETE ONLY.



TYPICAL HEADER TO CMU DETAIL
SCALE: 1 1/2" = 1'

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BELLON ARCHITECTURE, INC.
12930 S.W. 128 STREET
SUITE 203
MIAMI, FL 33186
T. (305) 278-7776
F. (305) 278-7473
WWW.BELLONARCHITECTURE.COM
ARCHITECTURE
LAND PLANNING
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bennett&pless **lp**

BENNETT & PLESS INC.
JENNIFER ZABIK, P.E. S.E.
1024 N FULLERS CROSS ROAD
WINTER GARDEN, FL 34787
JZABIK@BENNETT-PLESS.COM
P-1294

SEALS

JENNIFER LYNN ZABIK
LICENSE
No. 69265
STATE OF FLORIDA
PROFESSIONAL ENGINEER
06/20/25

RAPID
BUILDINGS EAST

9000 WEST COLONIAL DR.
SUITE 401
OOROE, FL 34761
PHONE: (407) 347-9614

INFO@
RAPIDBUILDINGSOLUTIONS.COM

JOB NUMBER:
RBE-040-25-CLE-FL

HOOKS ST. STORAGE
13125 HOOKS STREET
CLERMONT, FL. 34711

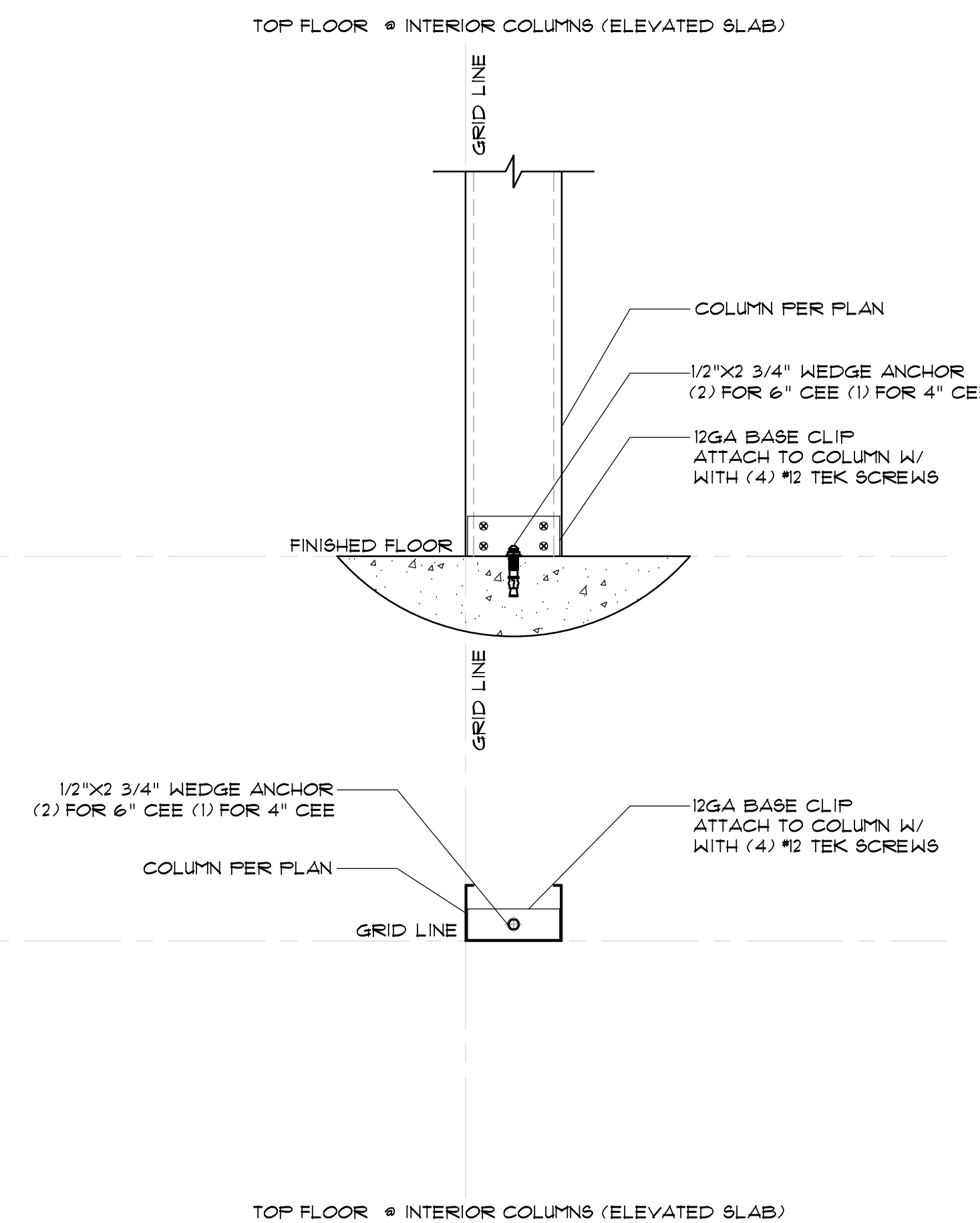
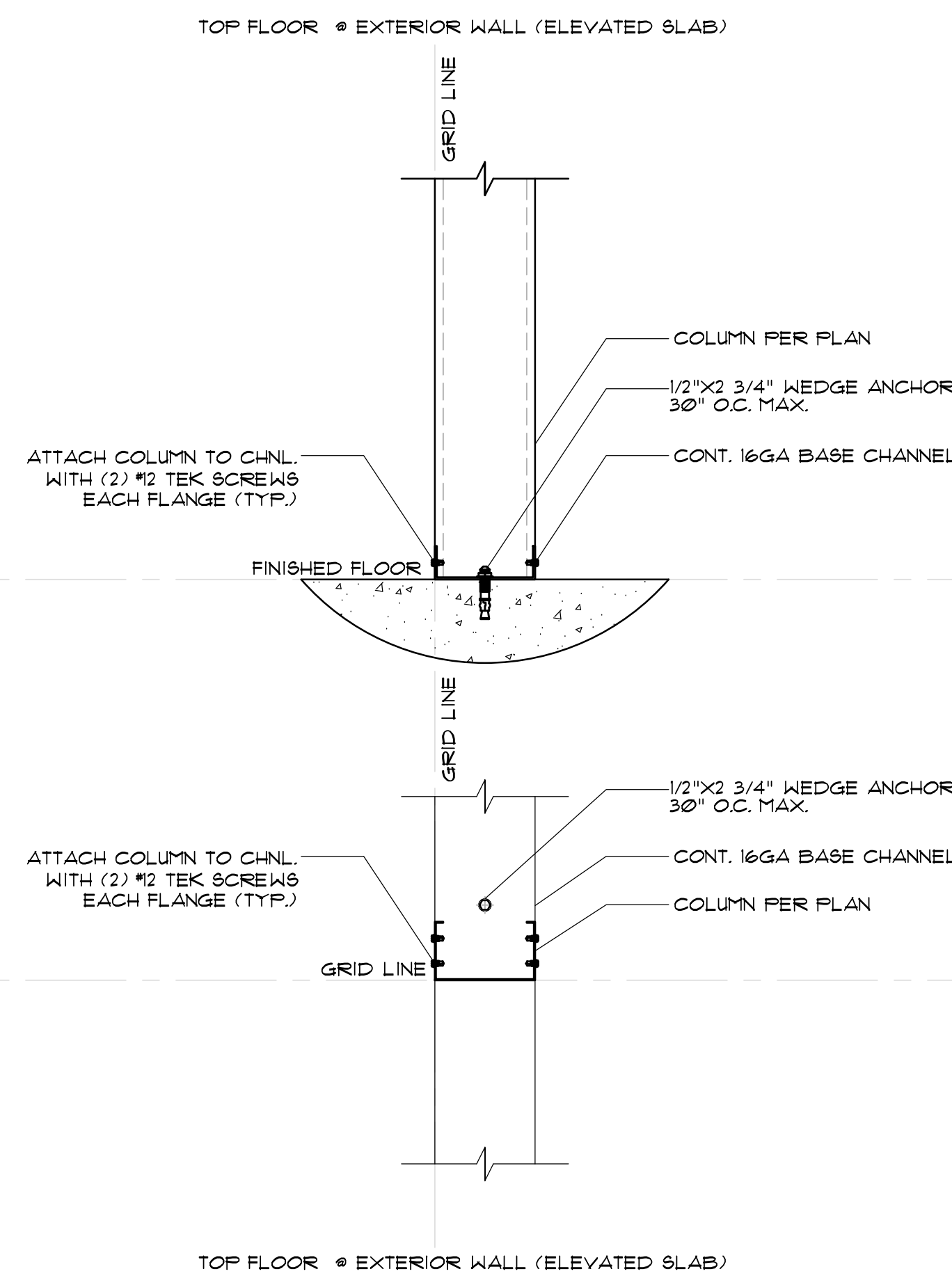
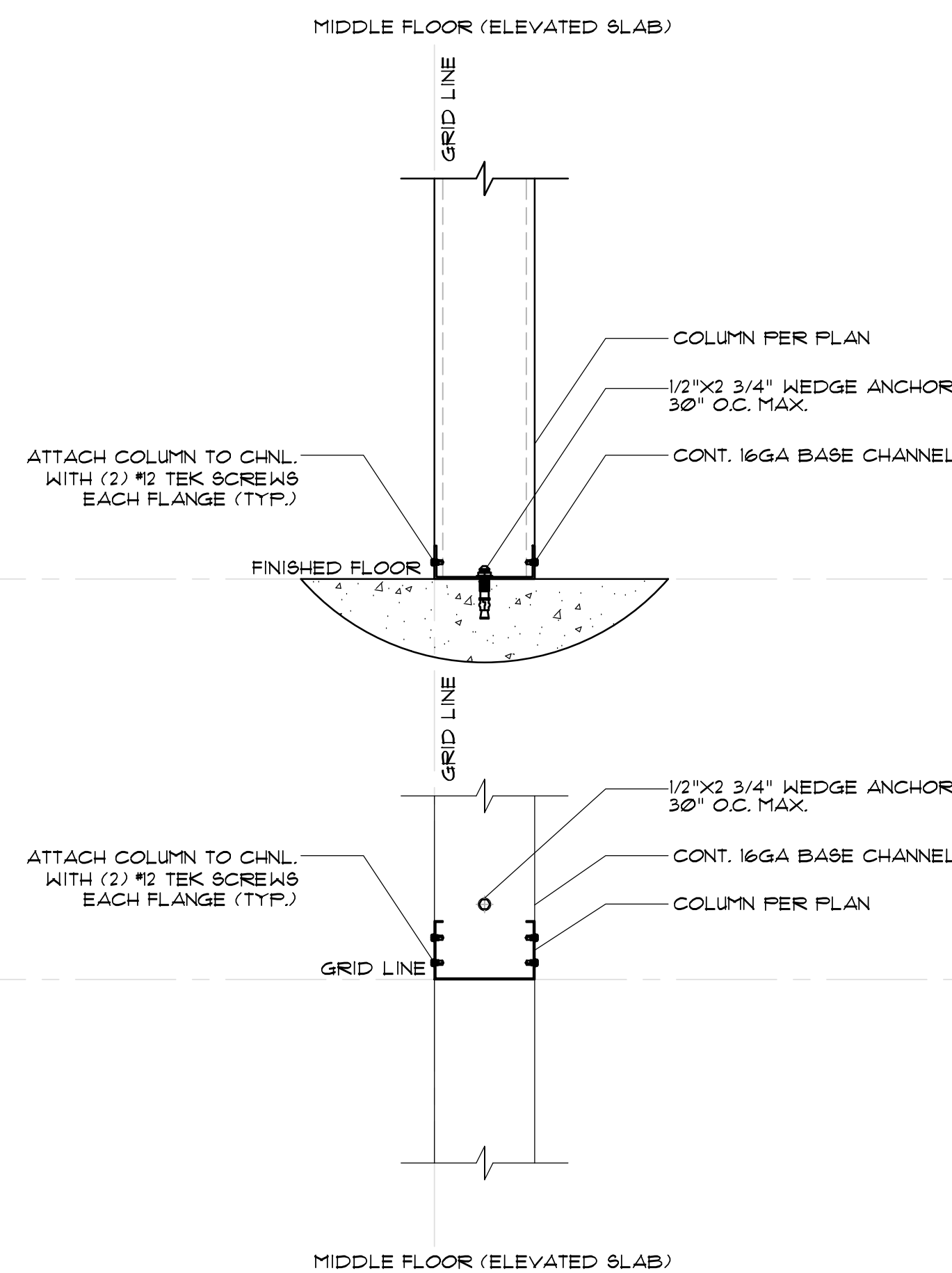
REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
Δ	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

STRUCTURAL DETAILS

DATE	01-23-25
DESIGNED BY	RBX
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	

D1.0



SCALE: 1 1/2" = 1'

HEADER (SEE PLAN)

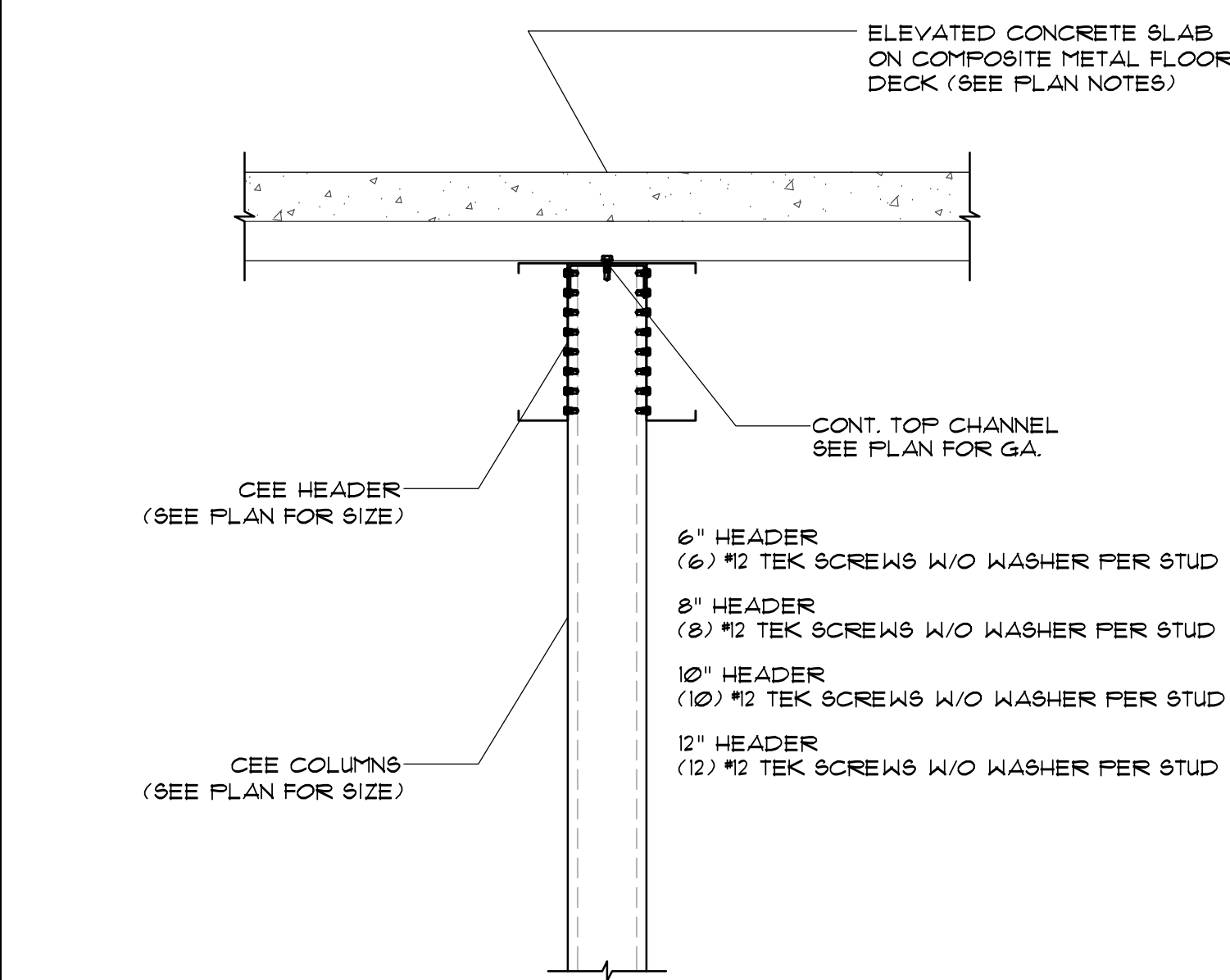
MINI STUDS 2' O.C. (DEPTH OF HEADER)
@ 15' SPANS ONLY (SEE PLAN)

CEE COLUMNS (SEE PLAN)

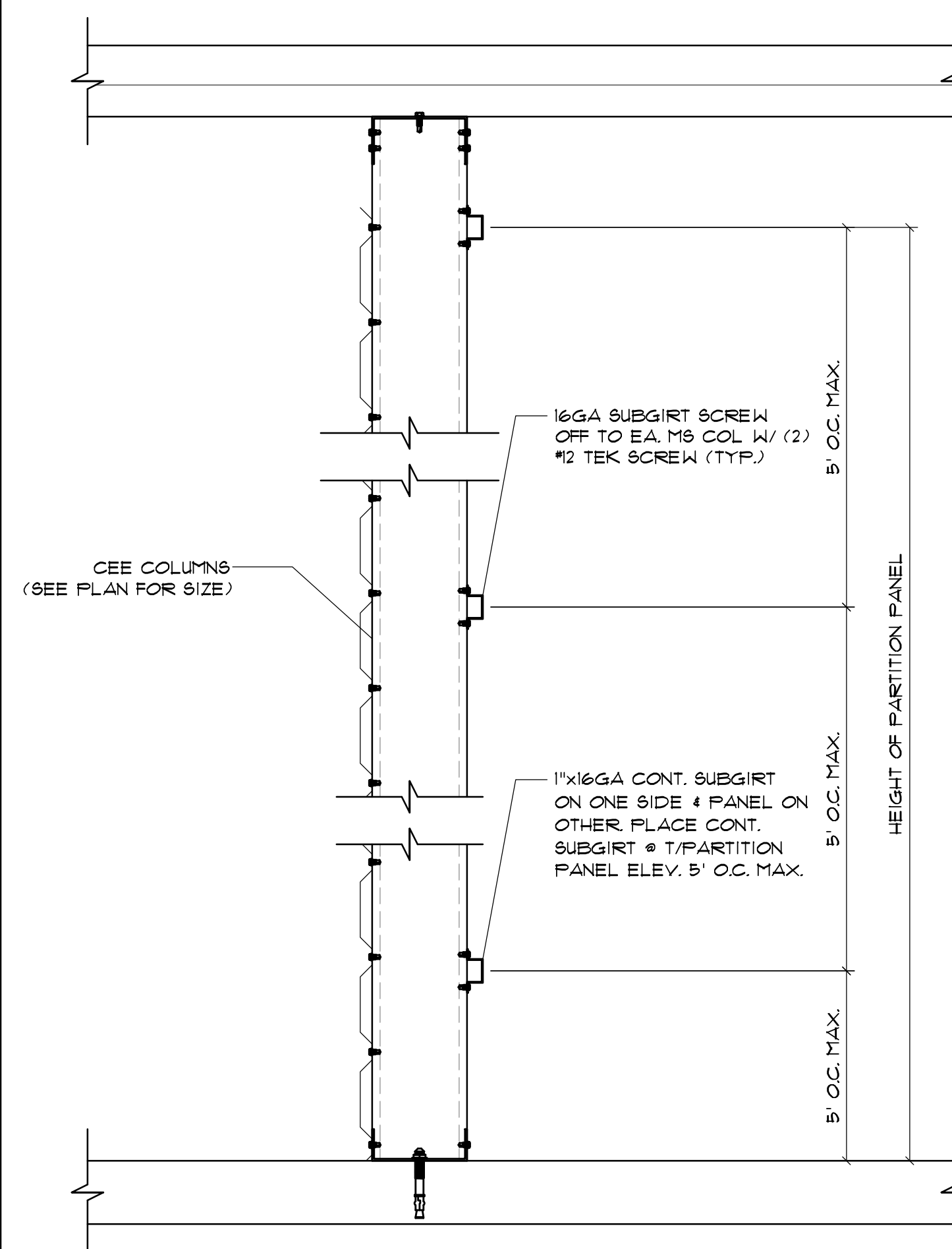
HEADER (SEE PLAN)

CEE COLUMNS (SEE PLAN)

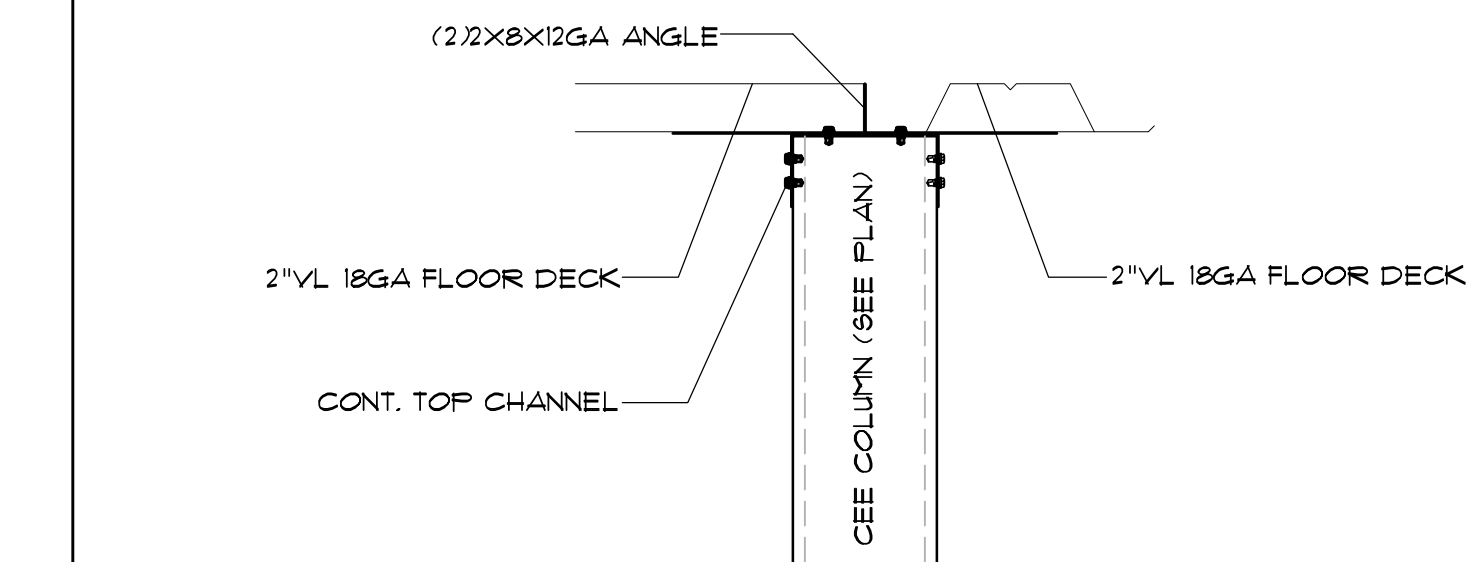
SCALE: 1 1/2" = 1'



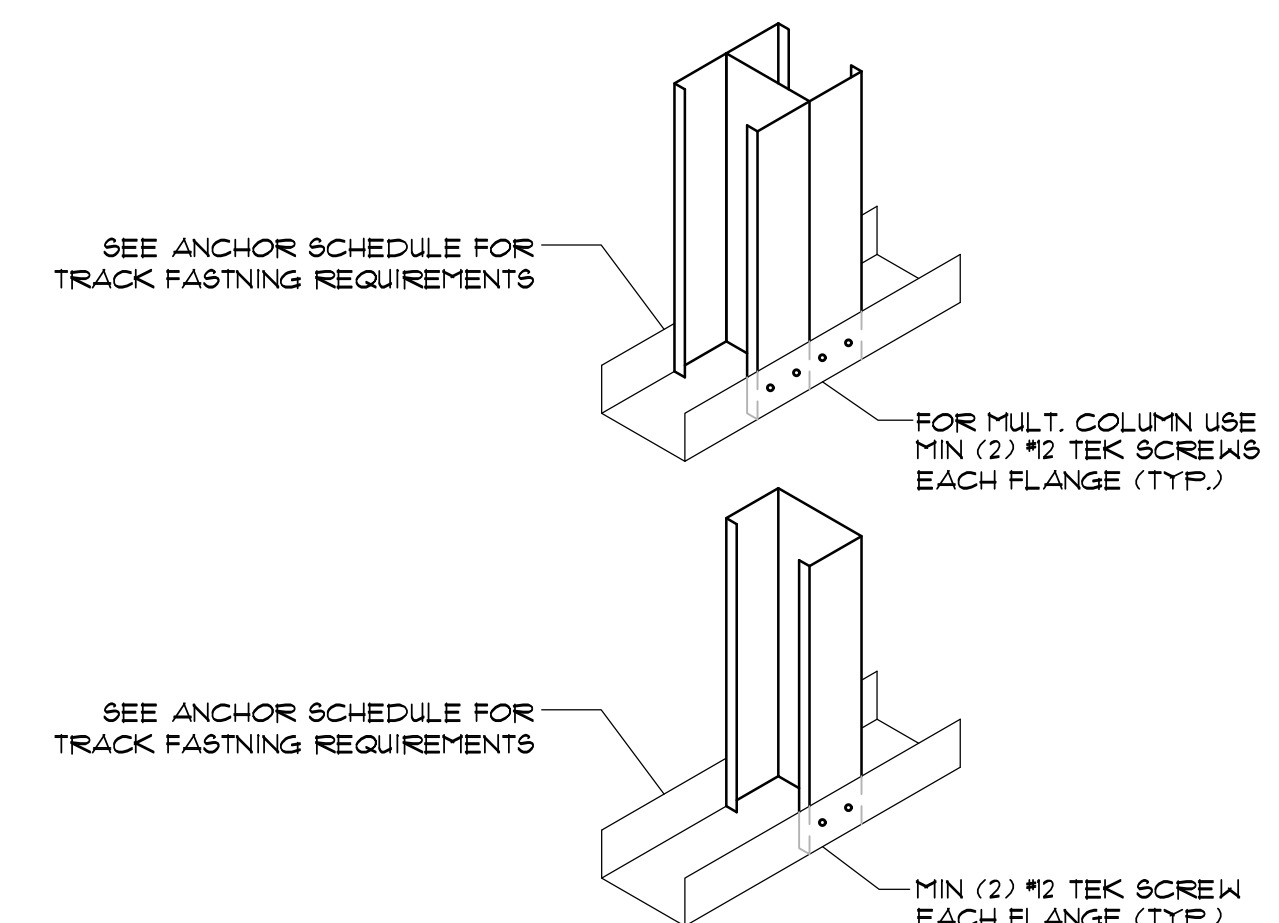
SCALE: 1 1/2" = 1'



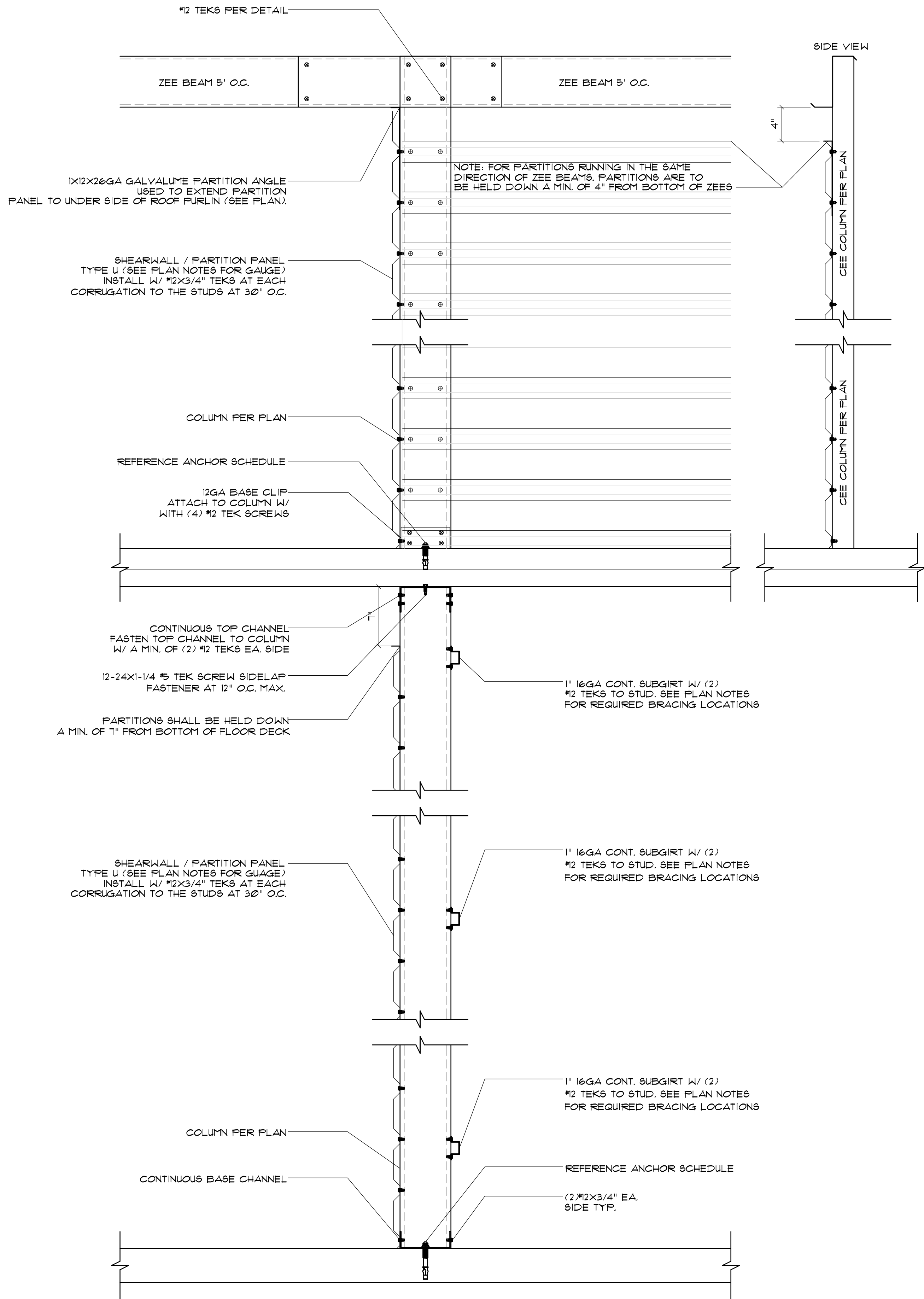
SCALE: 1 1/2" = 1'



SCALE: 1 1/2" = 1

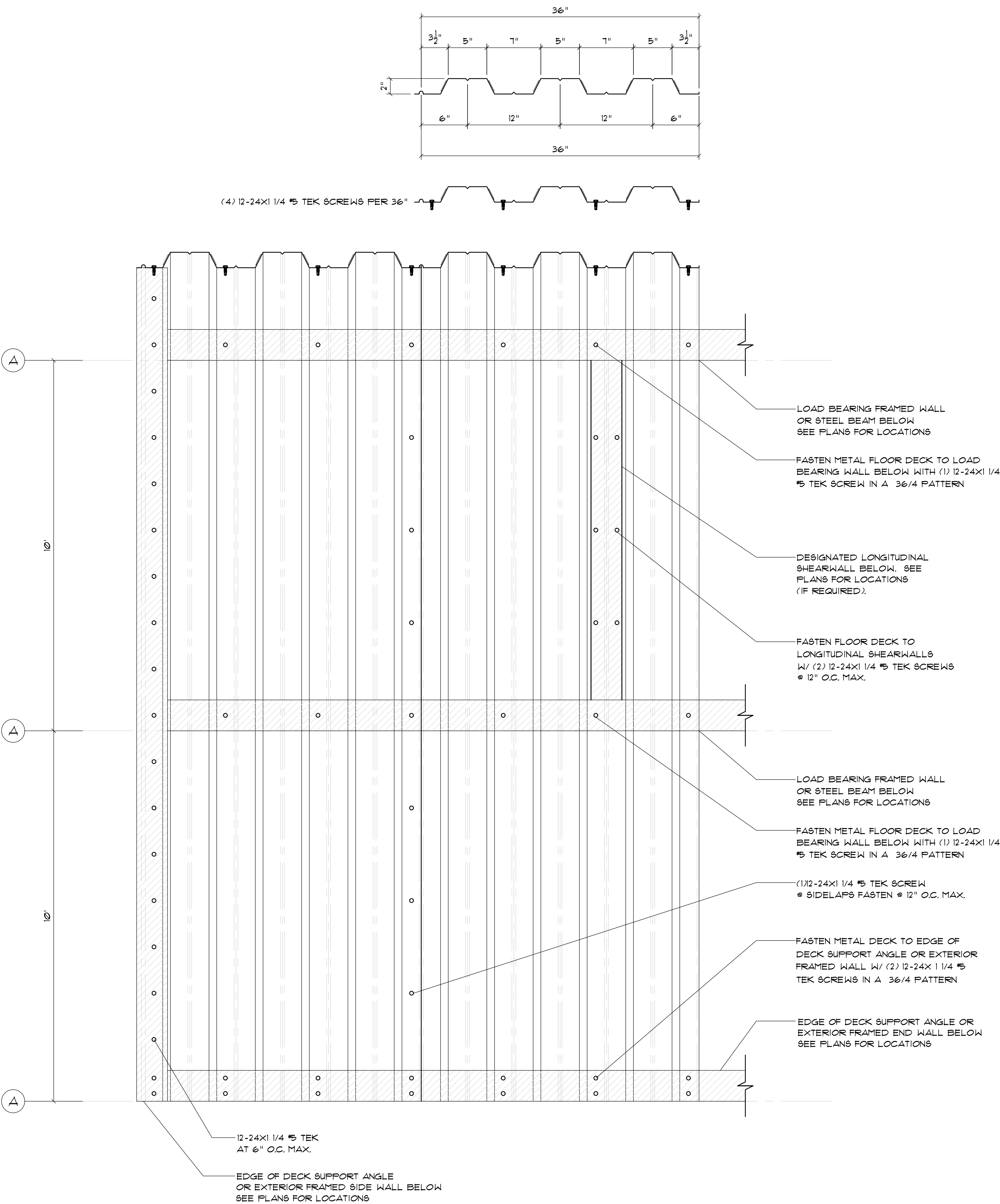


SCALE: 1 1/2" = 1



TYPICAL SECTION AT HORIZONTAL PARTITIONING
SCALE: 1 1/2" = 1'

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



2x1 OR 3x1 COMPOSITE METAL FLOOR DECK ATTACHMENT DETAIL
SCALE: 1 1/2" = 1'

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BELLON ARCHITECTURE, INC.
12930 S.W. 128 STREET
SUITE 203
MIAMI, FL 33186
T: (305) 278-7776
F: (305) 278-7473
WWW.BELLONARCHITECTURE.COM
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bennett&pless

BENNETT & PLESS INC.
JENNIFER ZABIK, P.E. S.E.
1024 N FULLERS CROSS ROAD
WINTER GARDEN, FL 34787
JZABIK@BENNETT-PLESS.COM
P-1294

SEALS

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LICENSE
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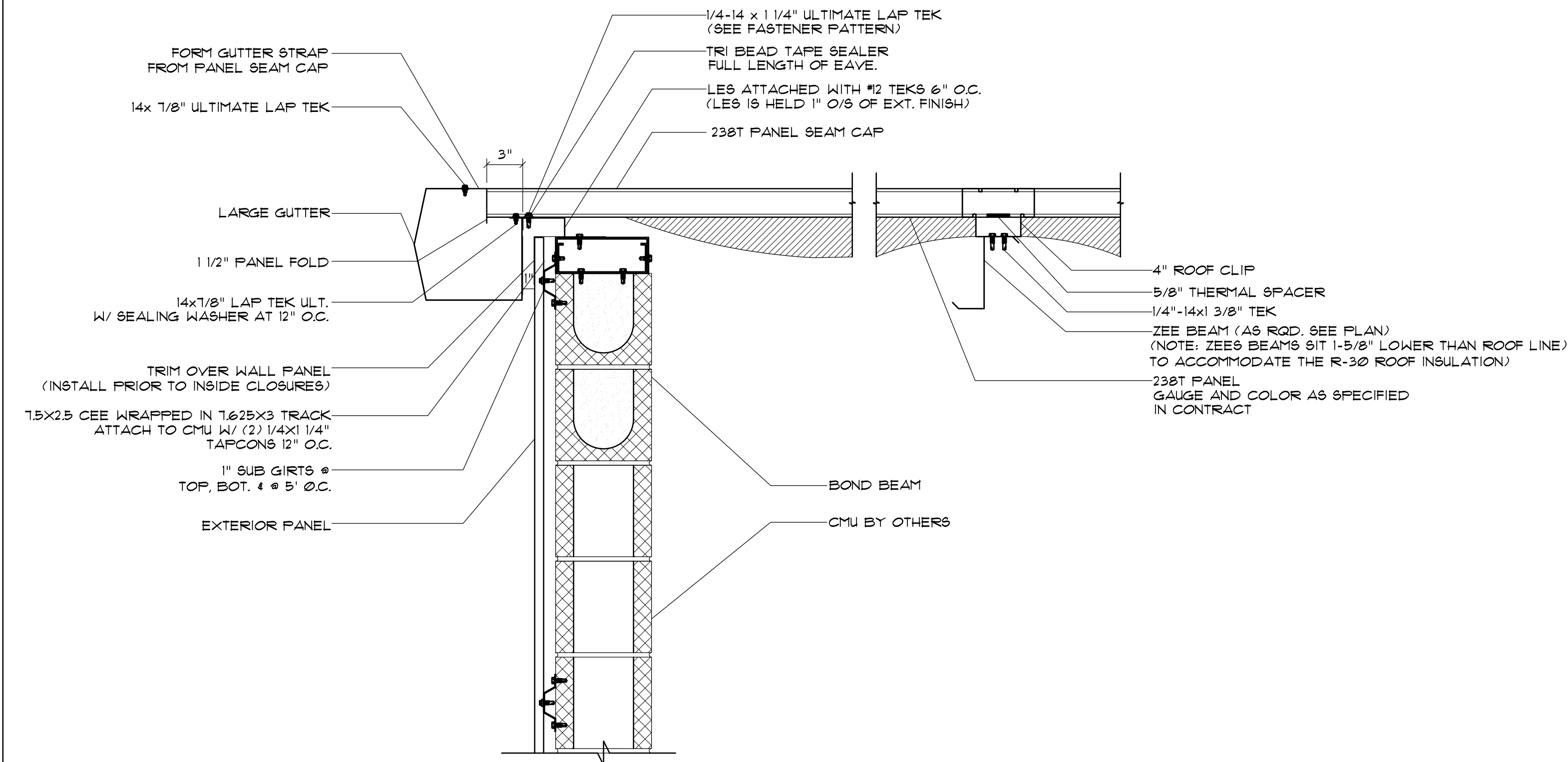
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SUITE 401
OCFEE, FL 34761
PHONE: (407) 347-9614
INFO@RAPIDBUILDINGSOLUTIONS.COM
JOB NUMBER:
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HOOKS ST. STORAGE
13125 HOOKS STREET
CLERMONT, FL. 34711

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Δ	05/28/25	RISER ROOM ADDED	DCH

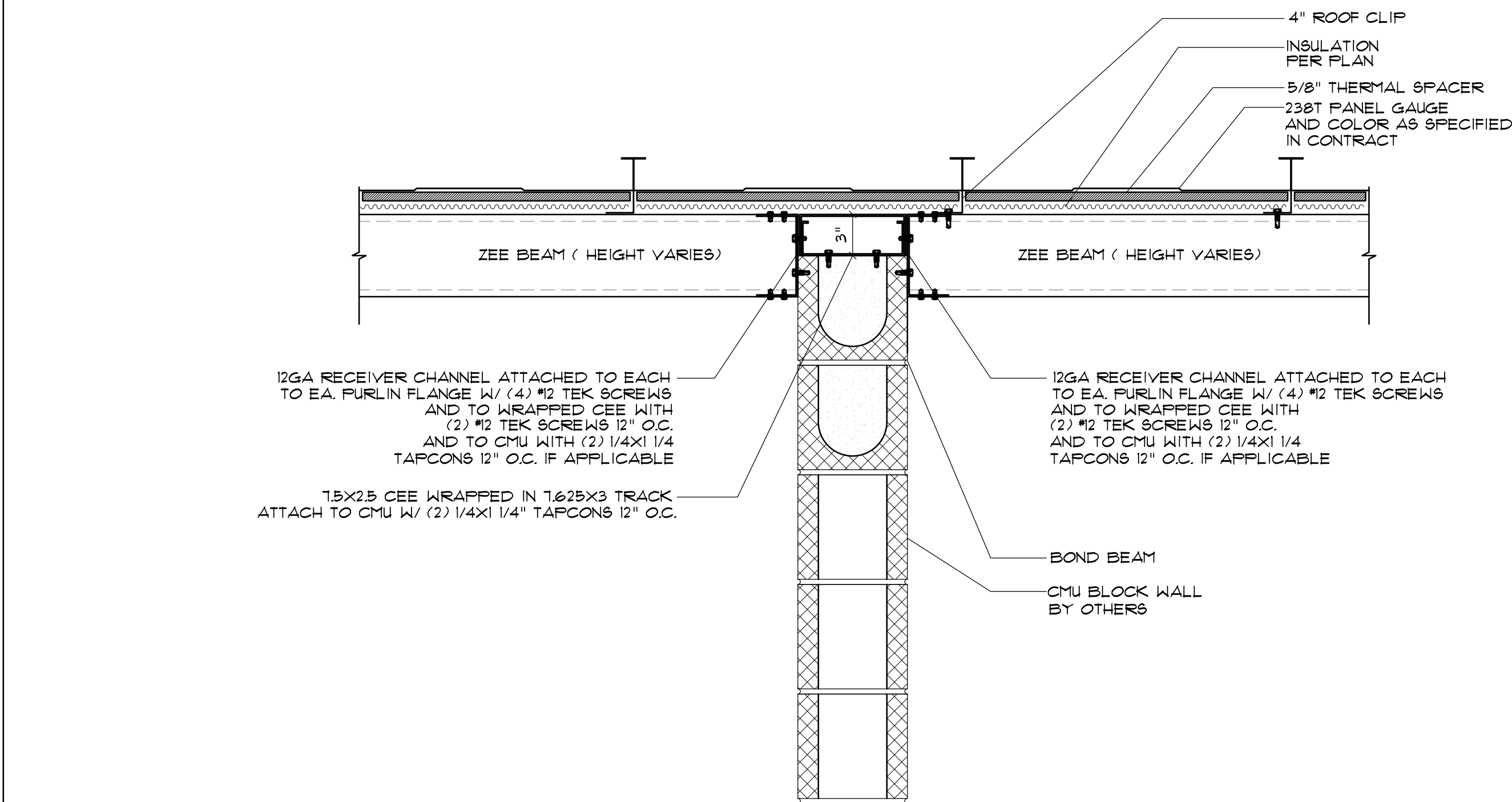
SHEET TITLE	
STRUCTURAL DETAILS	
DATE	01-23-25
DESIGNED BY	RBX
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	

NOTE: TOP OF CMU TO SIT 3" BELOW
TOP OF PURLIN LINE. SLOPE CMU TO
MATCH THE PITCH OF THE ROOF.

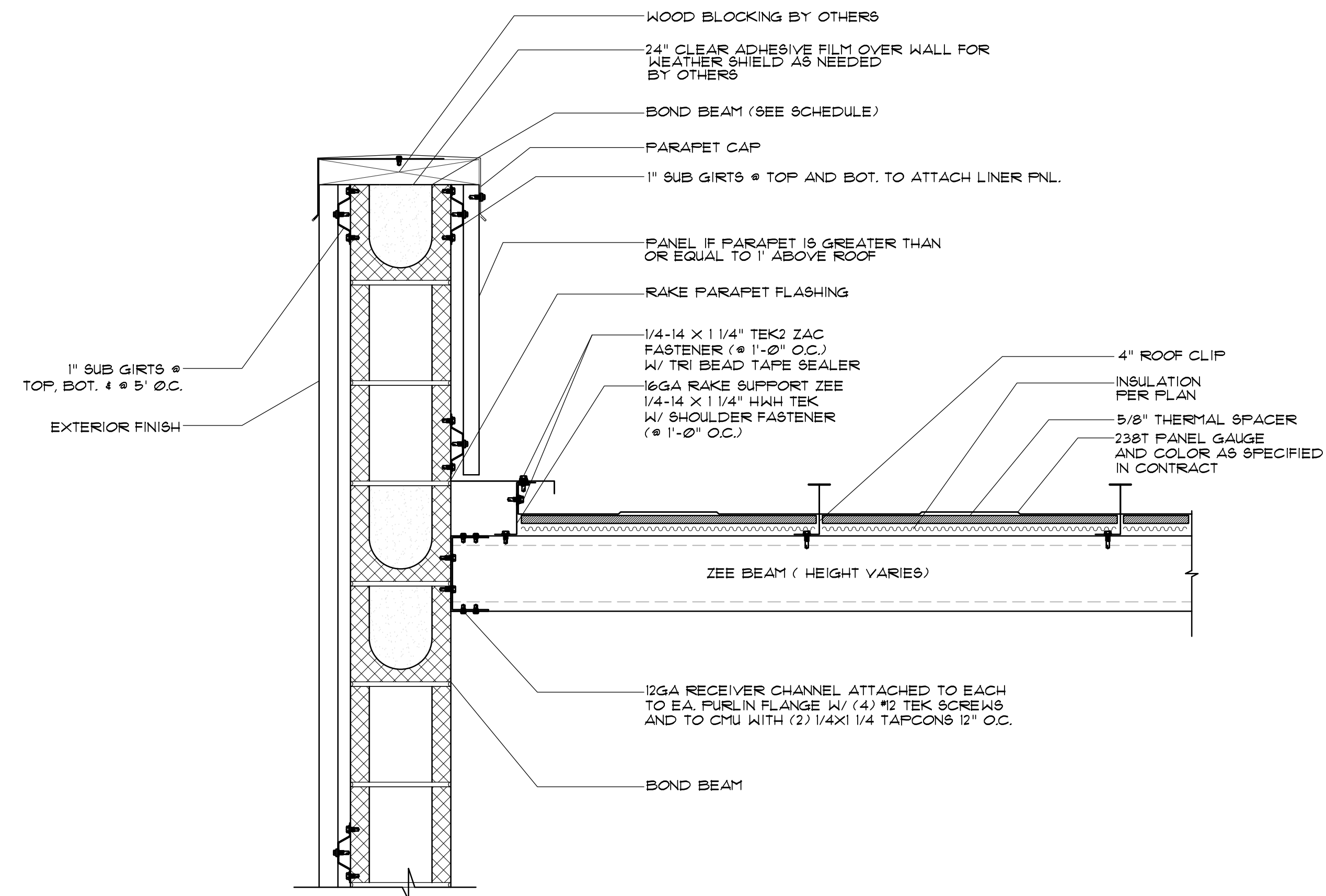


1	EXT. STAIR DETAIL @ LOWSIDE EAVE
D1.4	SCALE: 1 1/2" = 1'

NOTE: TOP OF CMU TO SIT 3" BELOW
TOP OF PURLIN LINE. SLOPE CMU TO
MATCH THE PITCH OF THE ROOF.

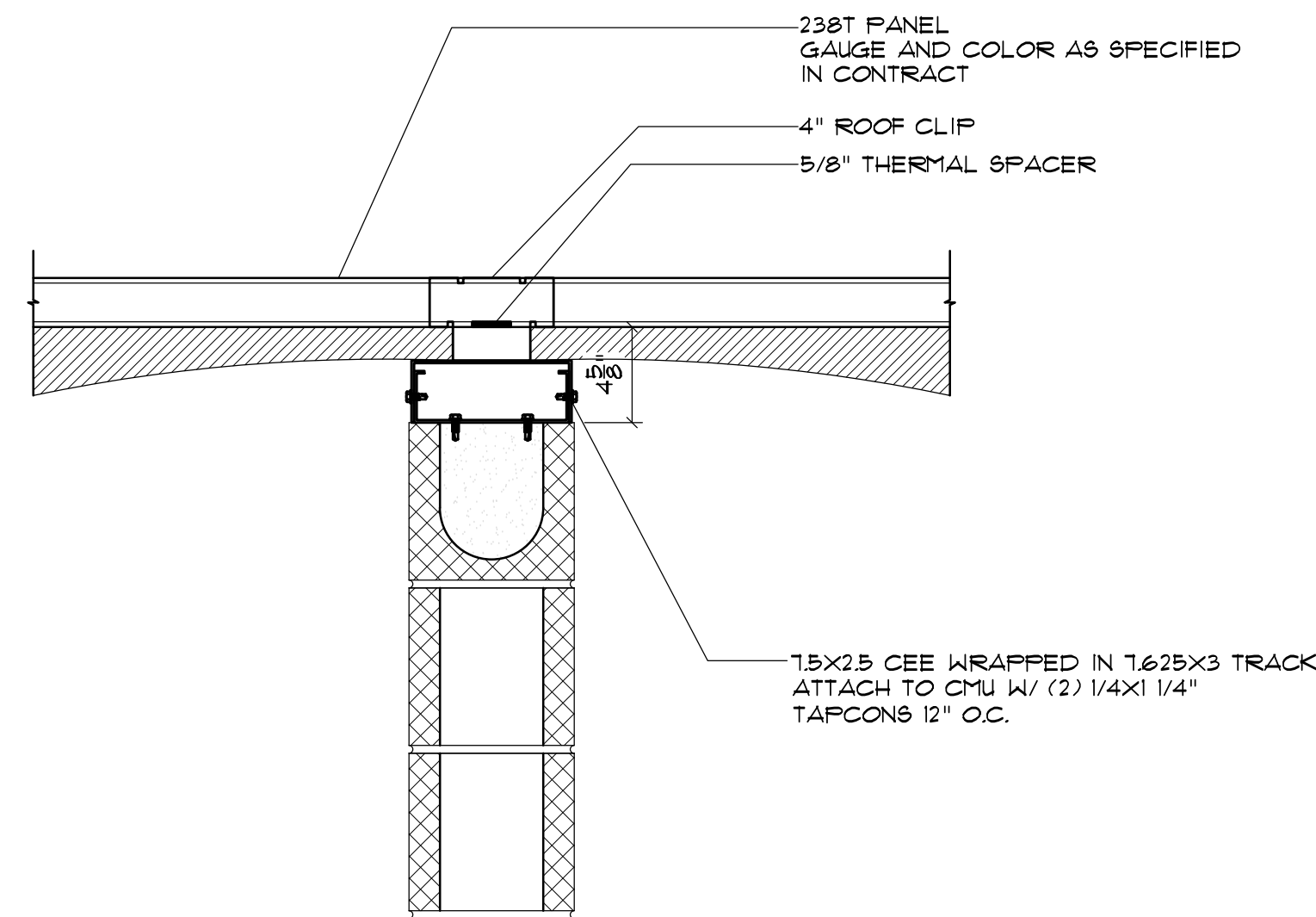


3	INT. STAIR DETAIL W/ R-30 ROOF INSULATION
D1.4	SCALE: 1 1/2" = 1'

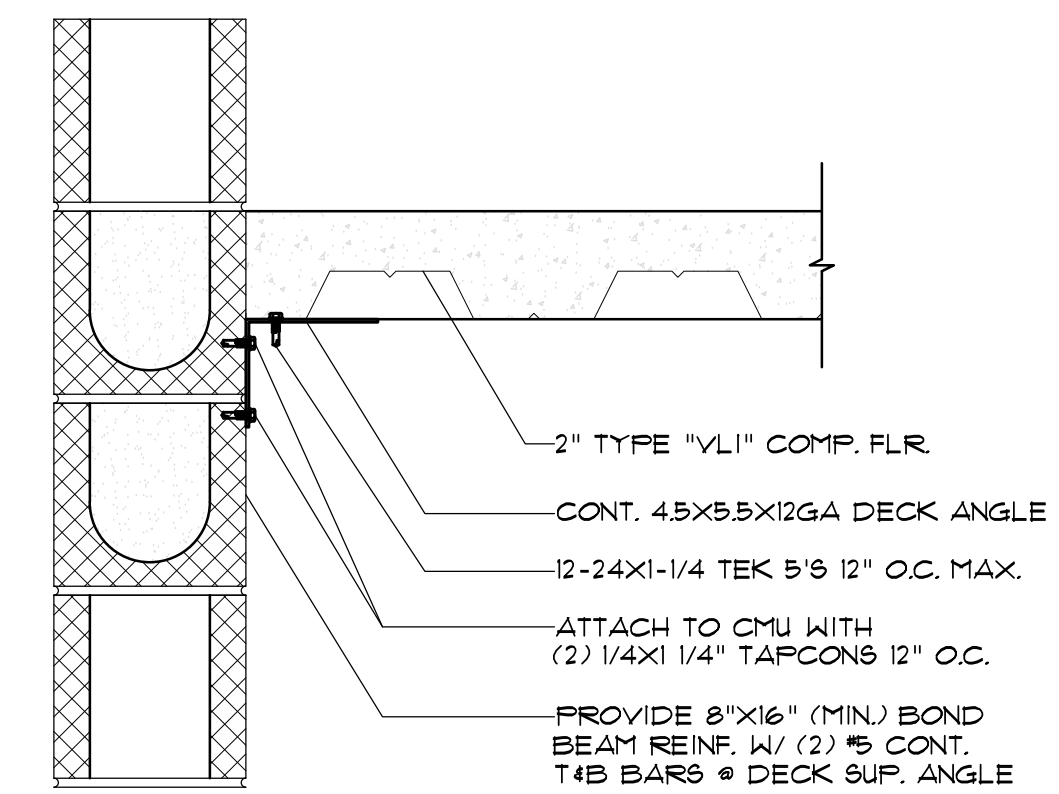


2	EXT. STAIR DETAIL @ ENDWALL PARAPET
D1.4	SCALE: 1 1/2" = 1'

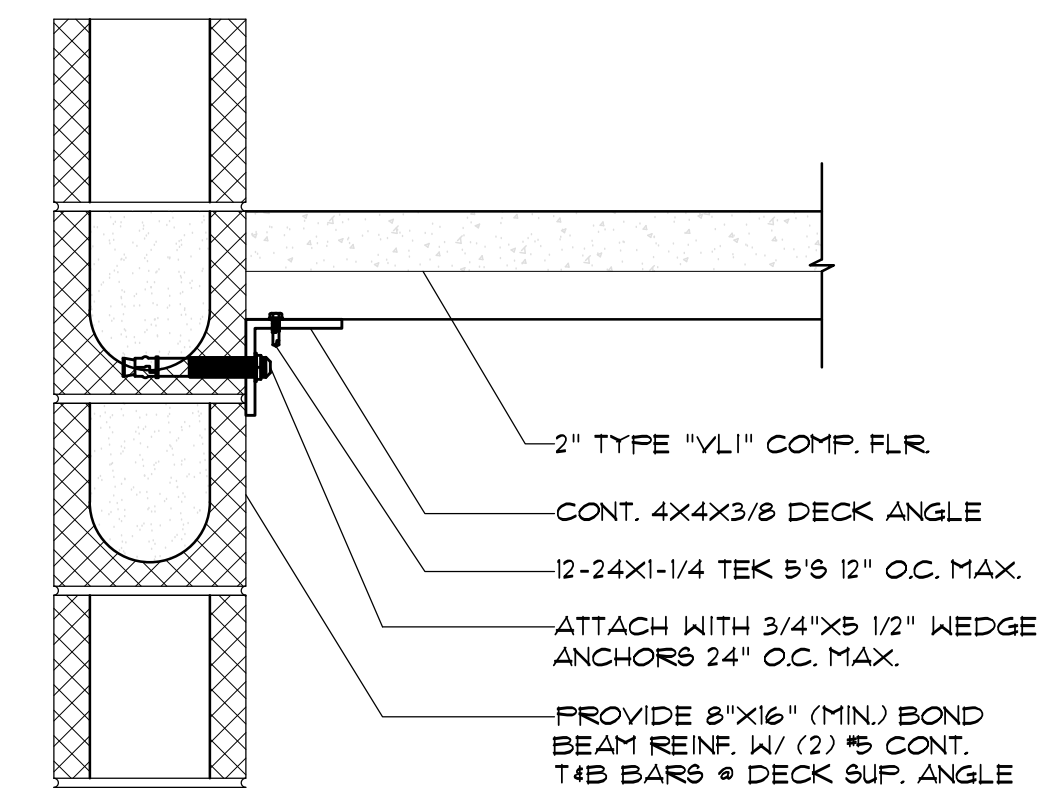
NOTE: TOP OF CMU TO SIT 3" BELOW
TOP OF PURLIN LINE. SLOPE CMU TO
MATCH THE PITCH OF THE ROOF.



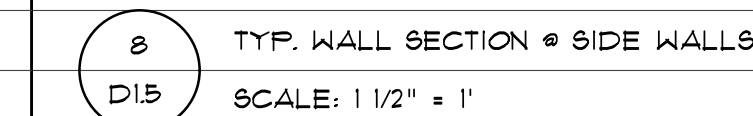
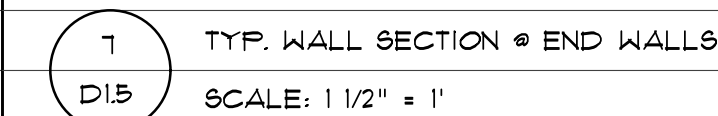
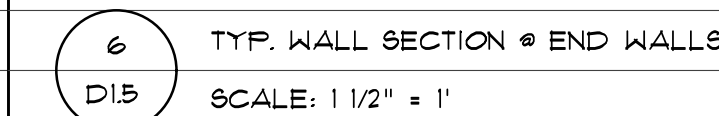
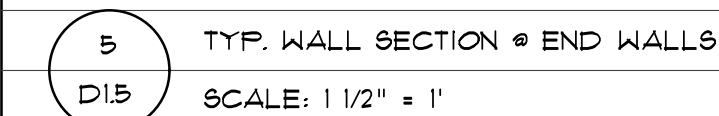
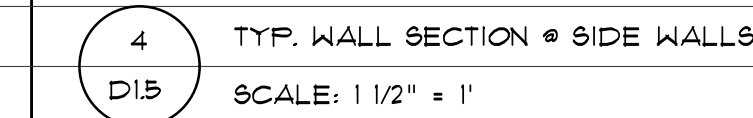
4 INT. STAIR DETAIL
D1.4 SCALE: 1 1/2" = 1'

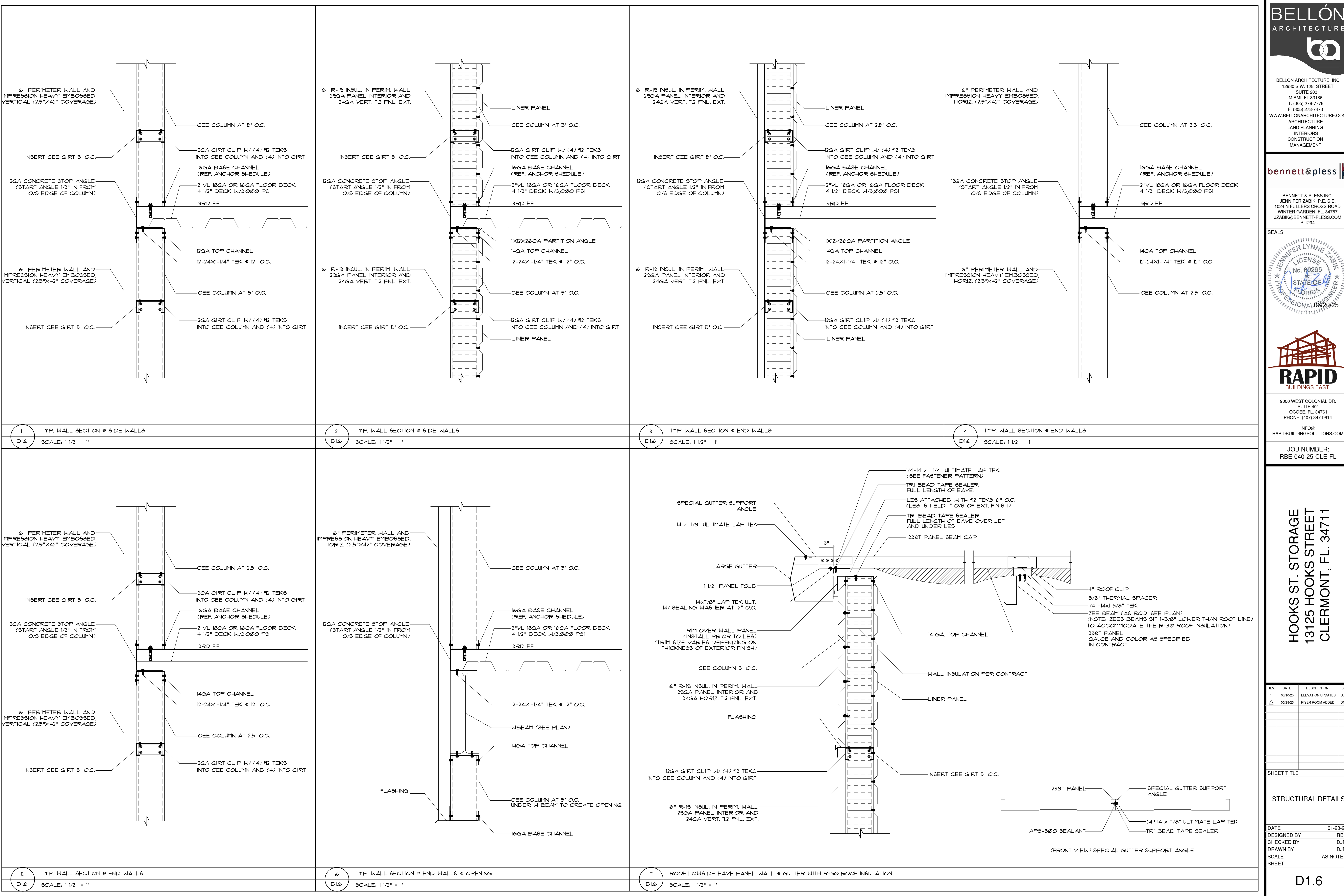


5 DECK SUPPORT ANGLE TO CMU (SIDEWALL)
D1.4 SCALE: 1 1/2" = 1'



6 DECK SUPPORT ANGLE TO CMU (ENDWALL)
D1.4 SCALE: 1 1/2" = 1'



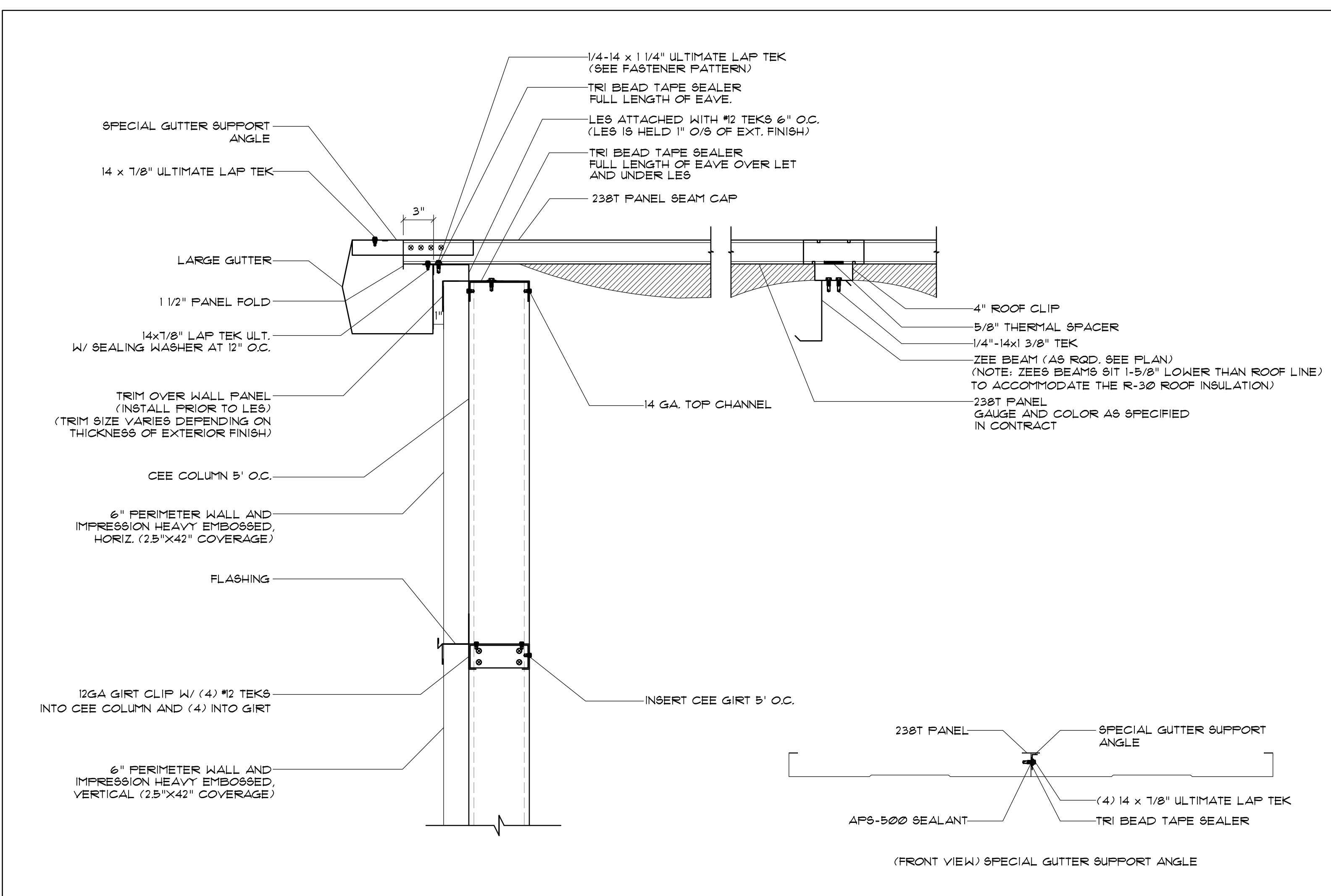


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1	03/10/25	ELEVATION UPDATES	DJM
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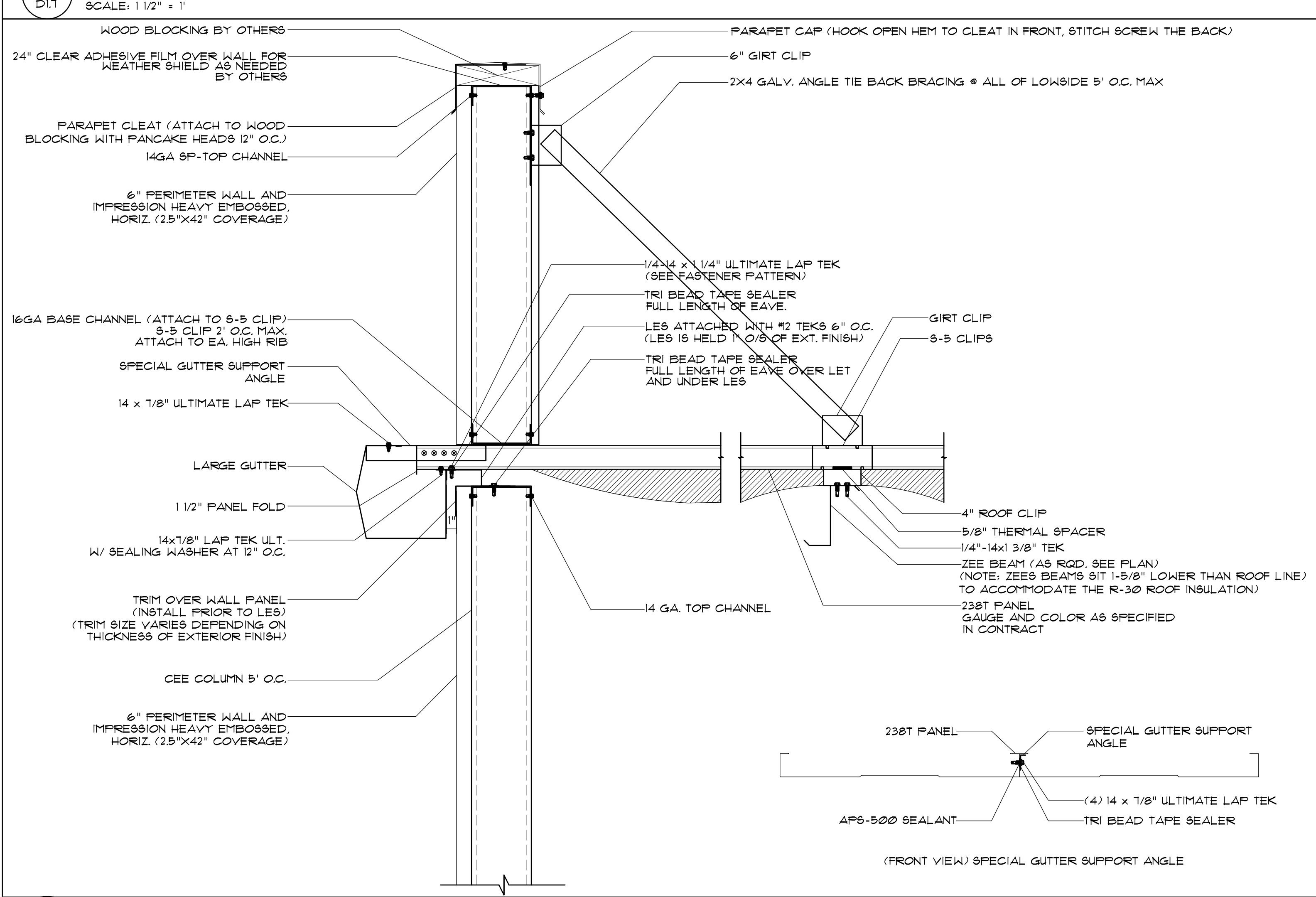
SHEET TITLE

STRUCTURAL DETAILS

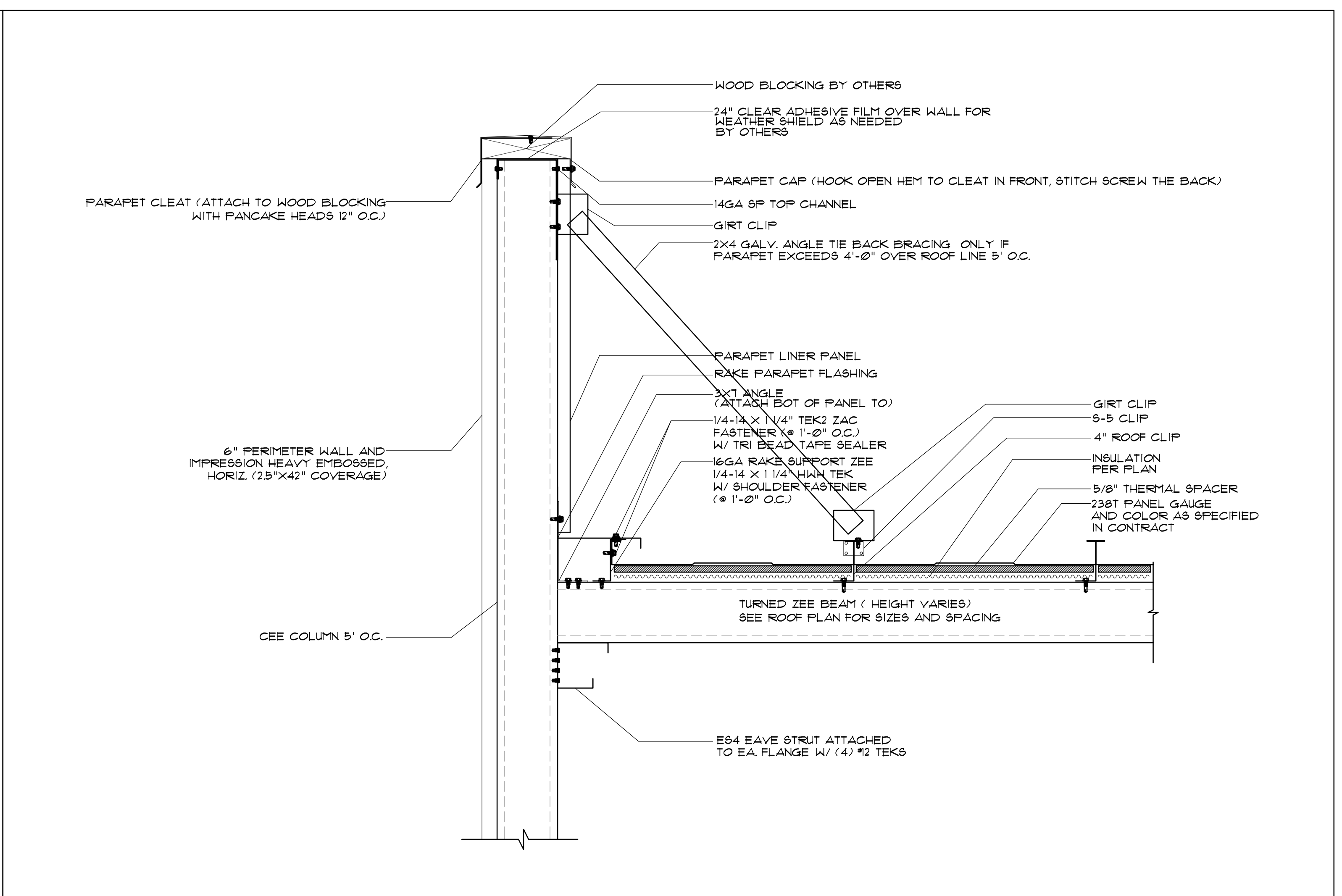
DATE	01-23-25
DESIGNED BY	RBX
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	



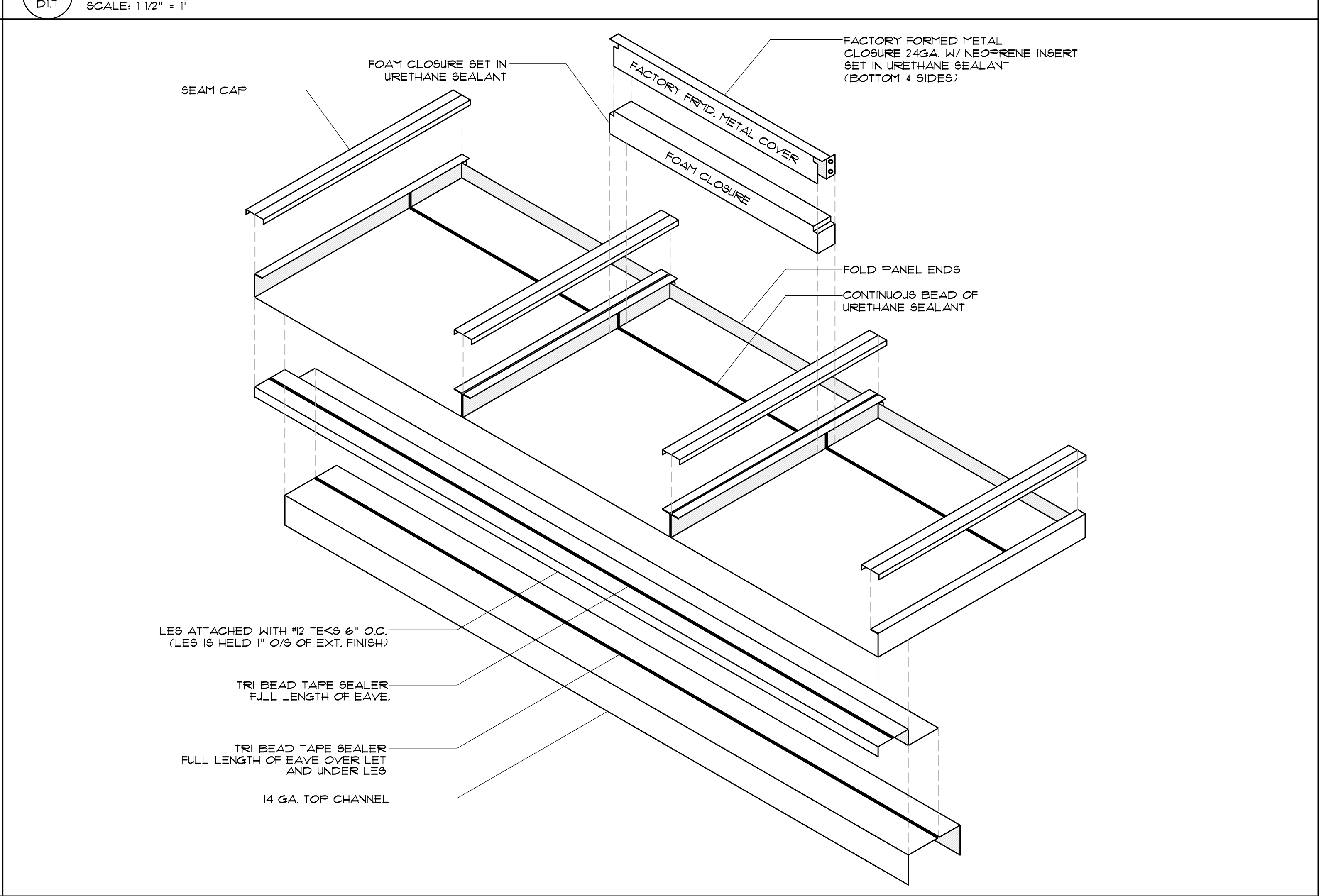
1 ROOF LOWSIDE EAVE PANEL WALL @ GUTTER WITH R-30 ROOF INSULATION
D1.7 SCALE: 1 1/2" = 1'



2 LOWSIDE/HIGHSIDE PARAPET WALL SECTION @ TURNED ROOF WITH R-30 ROOF INSULATION
D1.7 SCALE: 1 1/2" = 1'



3 ROOF LOWSIDE EAVE PANEL WALL @ GUTTER WITH R-30 ROOF INSULATION
D1.7 SCALE: 1 1/2" = 1'



LOWSIDE / HIGHSIDE EXPLODED ASSEMBLY DETAIL
SCALE: 1 1/2" = 1'

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BELLON ARCHITECTURE, INC.
12930 S.W. 128 STREET
SUITE 203
MIAMI, FL 33186
T: (305) 278-7776
F: (305) 278-7473
WWW.BELLONARCHITECTURE.COM

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JENNIFER ZABIK, P.E., S.E.
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LICENSE
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RAPID
BUILDINGS EAST

9000 WEST COLONIAL DR.
SUITE 401
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RAPIDBUILDINGSOLUTIONS.COM

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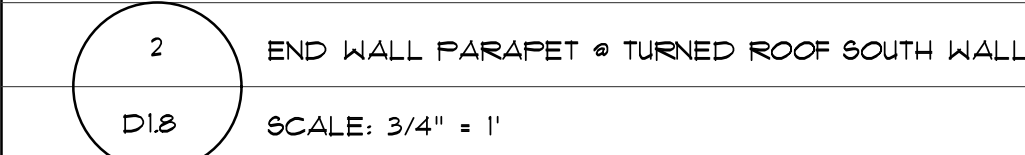
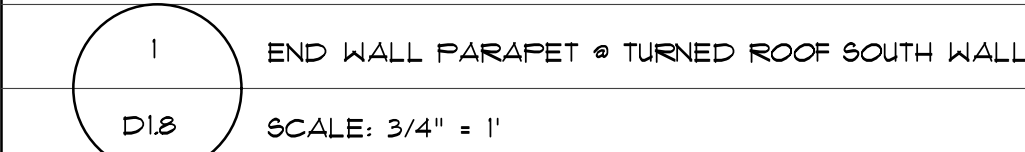
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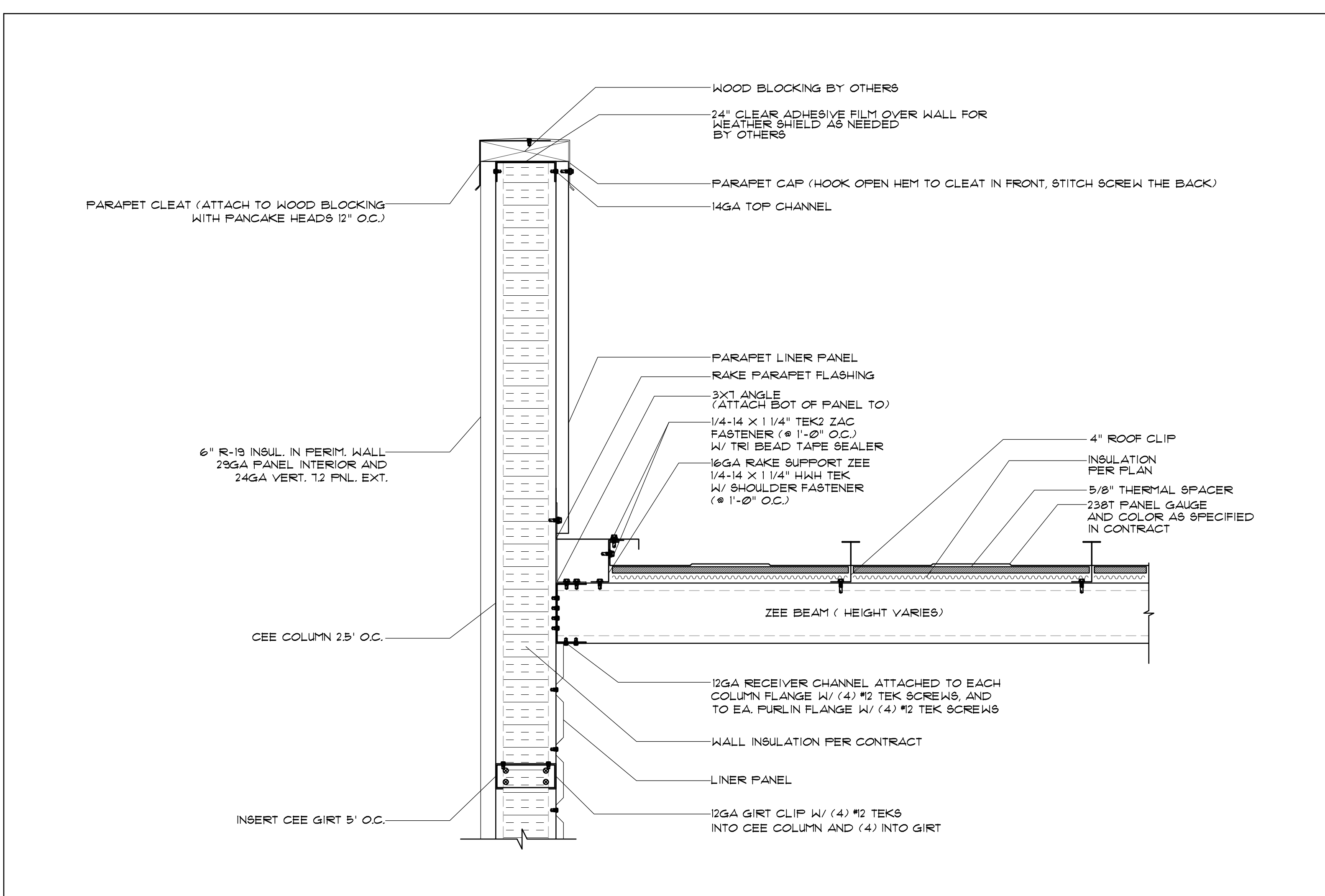
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1	03/10/25	ELEVATION UPDATES	DJM
Δ	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

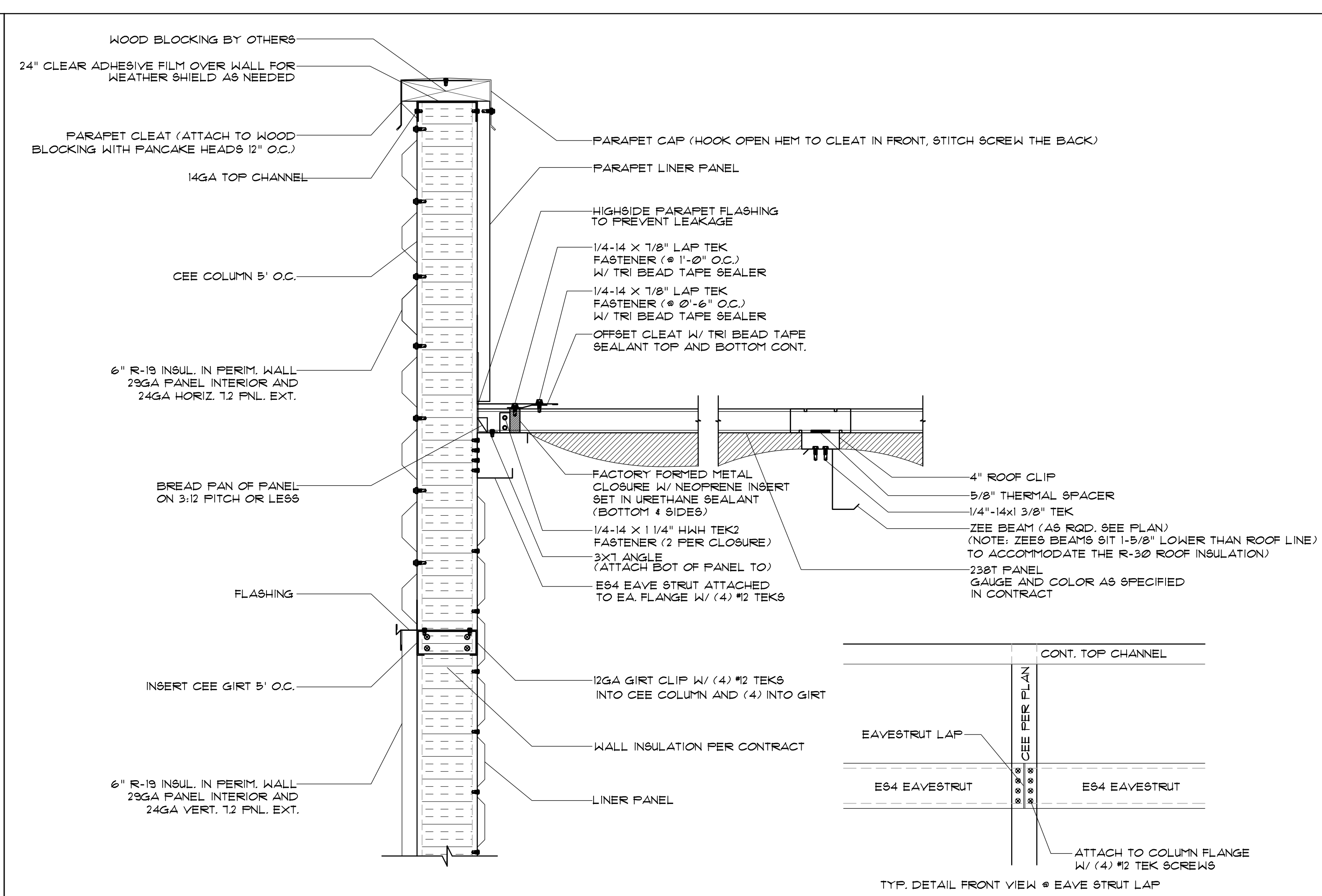
STRUCTURAL DETAILS

DATE 01-23-25
DESIGNED BY RBK
CHECKED BY DJM
DRAWN BY DJM
SCALE AS NOTED
SHEET

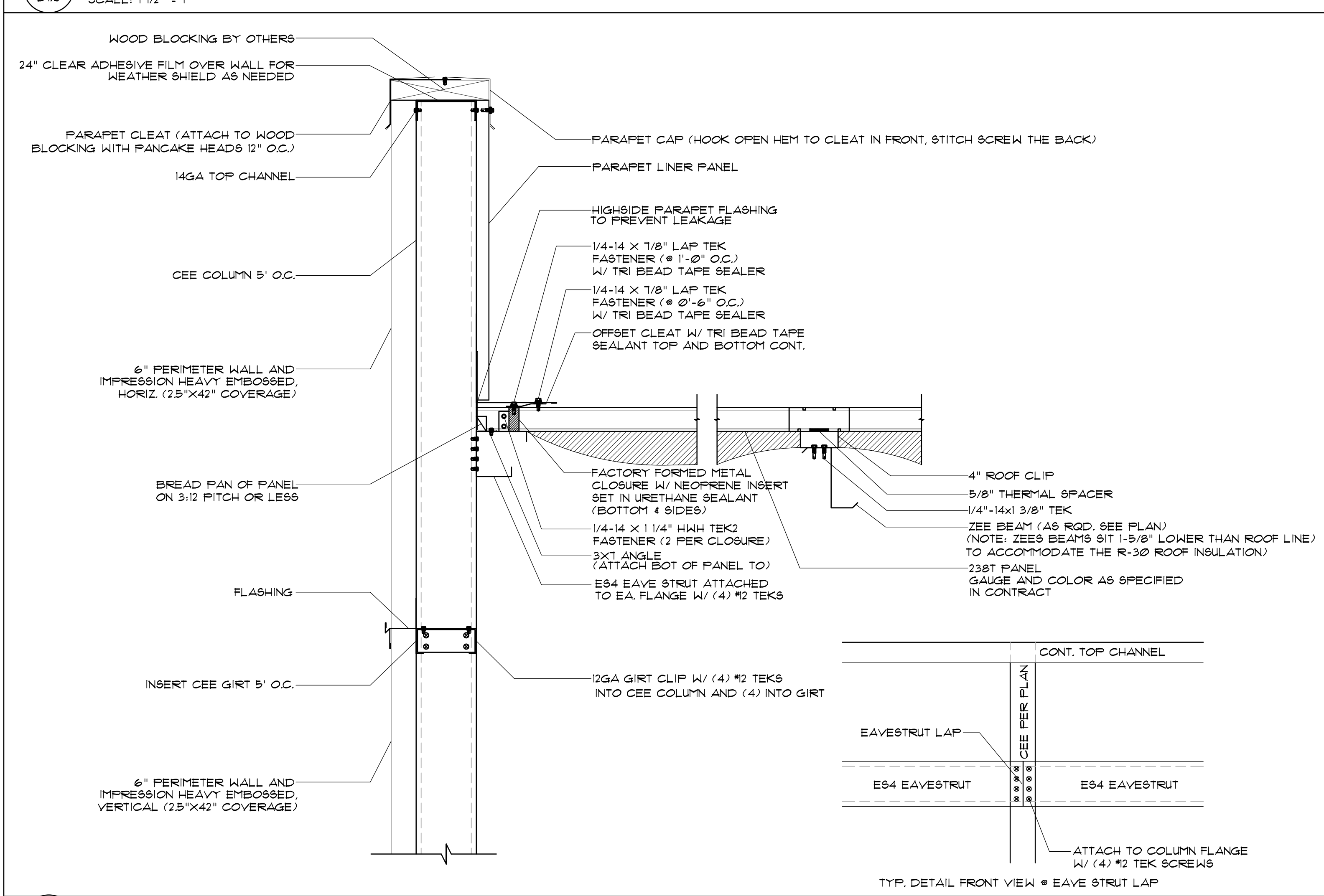




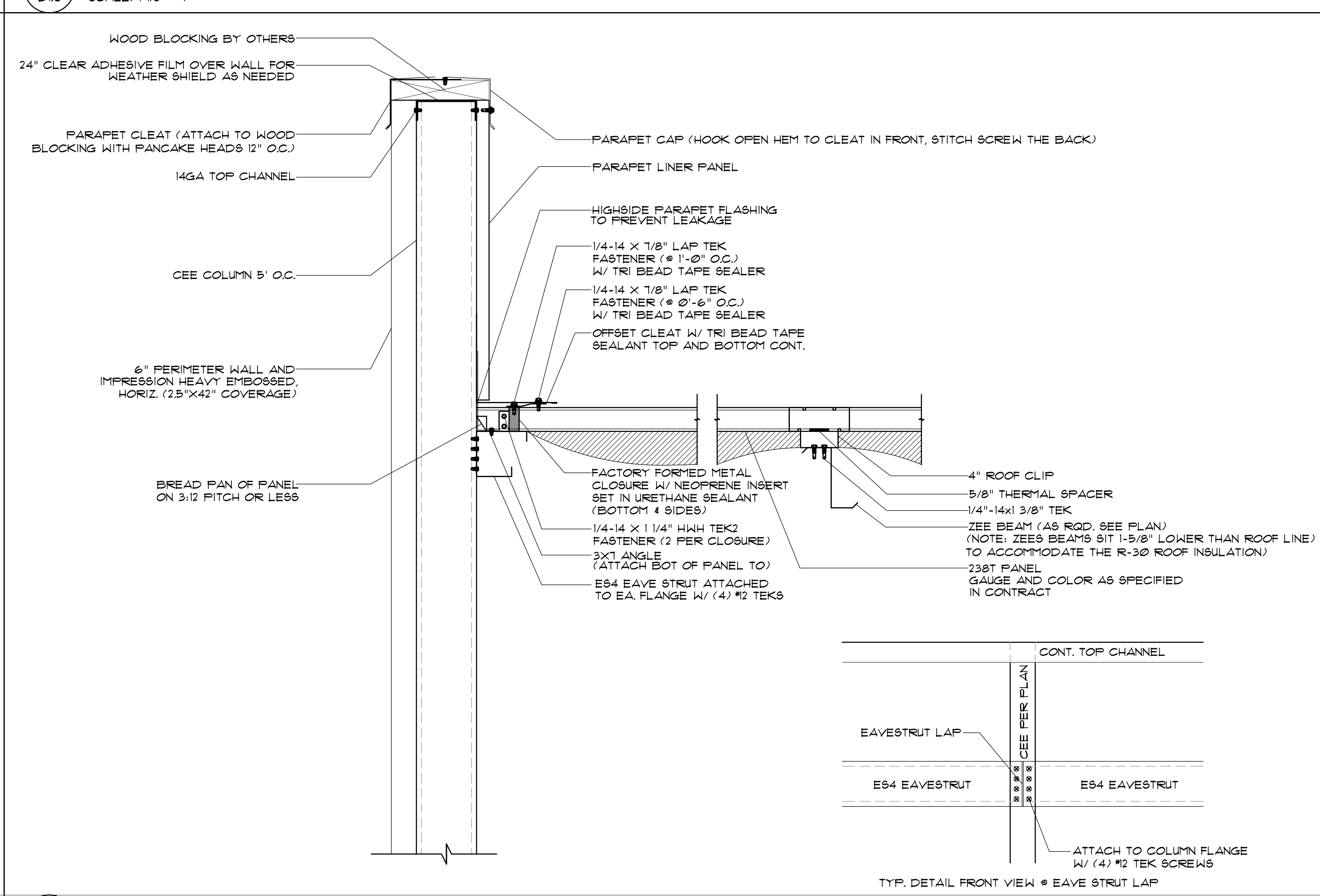
1 ENDWALL PARAPET WALL SECTION WITH R-30 ROOF INSULATION @ TIE BACK
D1.9 SCALE: 1 1/2" = 1'



2 HIGHSIDE PARAPET WALL SECTION WITH R-30 ROOF INSULATION
D1.9 SCALE: 1 1/2" = 1'



3 HIGHSIDE PARAPET WALL SECTION WITH R-30 ROOF INSULATION
D1.9 SCALE: 1 1/2" = 1'



4 HIGHSIDE PARAPET WALL SECTION WITH R-30 ROOF INSULATION
D1.9 SCALE: 1 1/2" = 1'

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SHEET TITLE

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DRAWN BY	DJM
SCALE	AS NOTED
SHEET	

1X12X26GA GALVALUME PARTITION ANGLE MAYBE USED TO EXTEND PARTITION TO UNDERSIDE OF FURLIN

CEE COLUMN
SEE PLANS FOR SIZE AND LOCATION

ZEE BEAM
SEE PLANS FOR SIZE AND LOCATION

18GA CS18 EA. END OF PART. WALL FASTEN TO PIER TOP, BOTTOM AND MIDDLE PLATE W/ #12 TEK'S FASTENER #T1A OR USE 1/4"x1" NOM. EMBEDMENT MASONRY SCREW 24" O.C. FOR CMU OR TILT WALLS

FASTEN PANEL TO CS18 W/ #12 TEK'S AT 6" O.C. (EVERY CORRUGATION-TYP.) FASTENER #T1A

PARTITION PANELING GAUGE PER CONTRACT

#12X3/4 TEK'S AT 20" O.C. MAX. @ COLUMNS / CS18 (COVER EXPOSED PORTION OF SCREWS W/ PLASTIC CAPS TO 6' AFF.) FASTENER #T1A APPLY SCREW FROM OTHER SIDE OF PARTITION

ATTACH PANEL TO CEE COLUMN W/ #12 TEK AT 6" O.C. VERTICALLY (EVERY CORRUGATION) FASTENER #T1A

ROOF PANELS (SEE PLAN)

ZEE BEAM PER PLAN

14 X 1 TEK #3 (2) PER CLIP

SEE PLAN FOR TYP. CONNECTION

1X12X26GA GALVALUME PARTITION ANGLE USED TO EXTEND PARTITION PANEL TO UNDER SIDE OF ROOF FURLIN (SEE PLAN).

12 X 3/4 TEK @ 6" O.C. VERTICALLY FASTENER #T1A

U-PANEL GAUGE PER CONTRACT

CEE COLUMN PER PLAN

NOTE: THE PARTITION PANEL SHOULD BE INSTALLED WITH THE FURLIN BEARING LEG UPWARD.

NOTE: APPLY STITCH SCREWS FROM THIS SIDE OF PARTITION PANEL AND NO CAP POINT OF SCREW ON OPPOSITE SIDE. APPLY NO CAPS ON SCREWS 6'-0" AFF

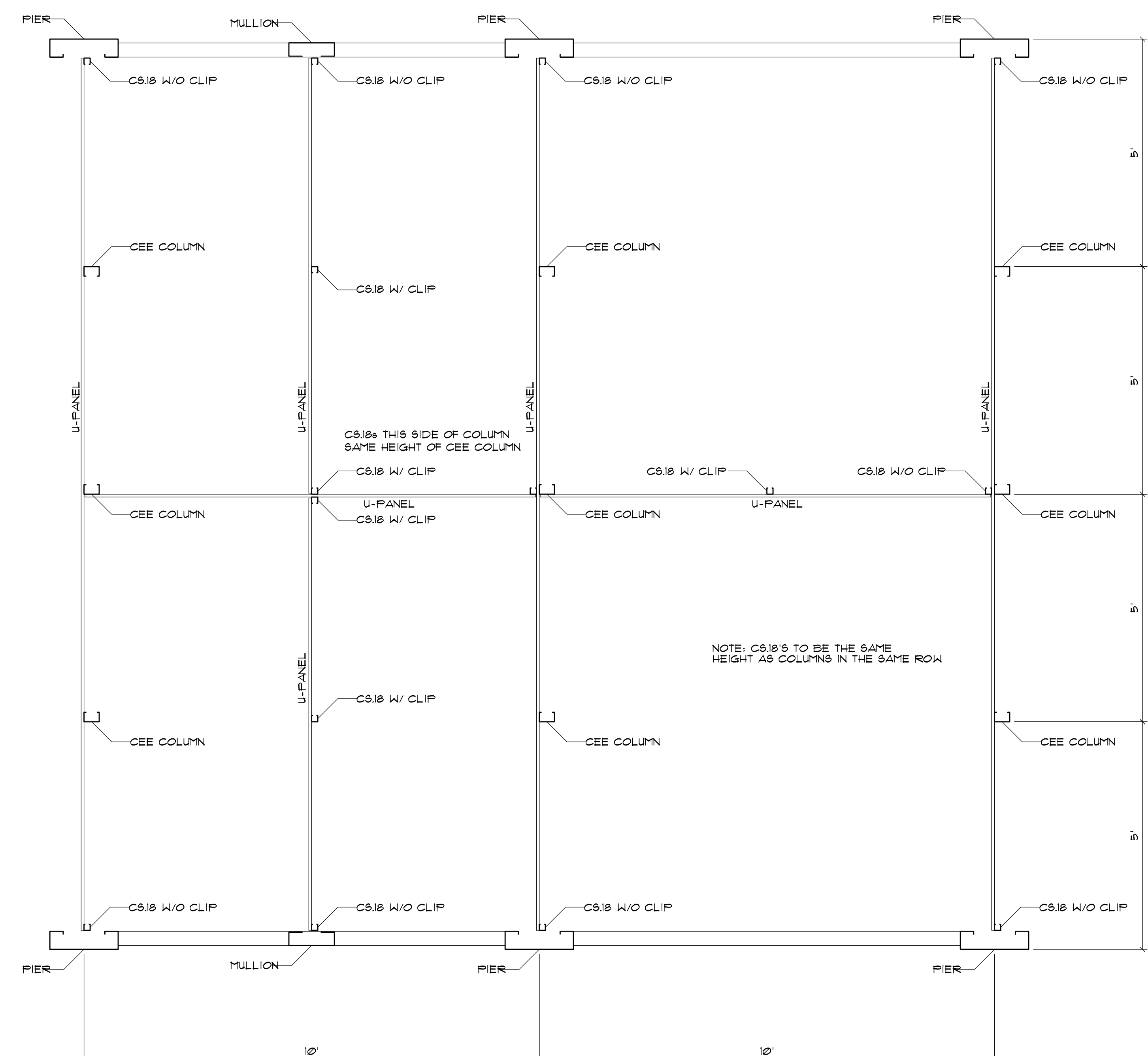
REFERENCE ANCHOR SCHEDULE

12GA BASE CLIP ATTACH TO COLUMN W/ WITH (4) #12 TEK SCREWS

CEE COLUMN PER PLAN

4"

SIDE VIEW



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SUITE 203
MIAMI, FL 33186
T. (305) 278-7776
F. (305) 278-7473
WWW.BELLONARCHITECTURE.COM
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JENNIFER ZABIK, P.E. S.E.
1024 N FULLERS CROSS ROAD
WINTER GARDEN, FL. 34787
JZABIK@BENNETT-PLESS.COM
P-1294

SEALS



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SUITE 401
OCOE, FL. 34761
PHONE: (407) 347-9614

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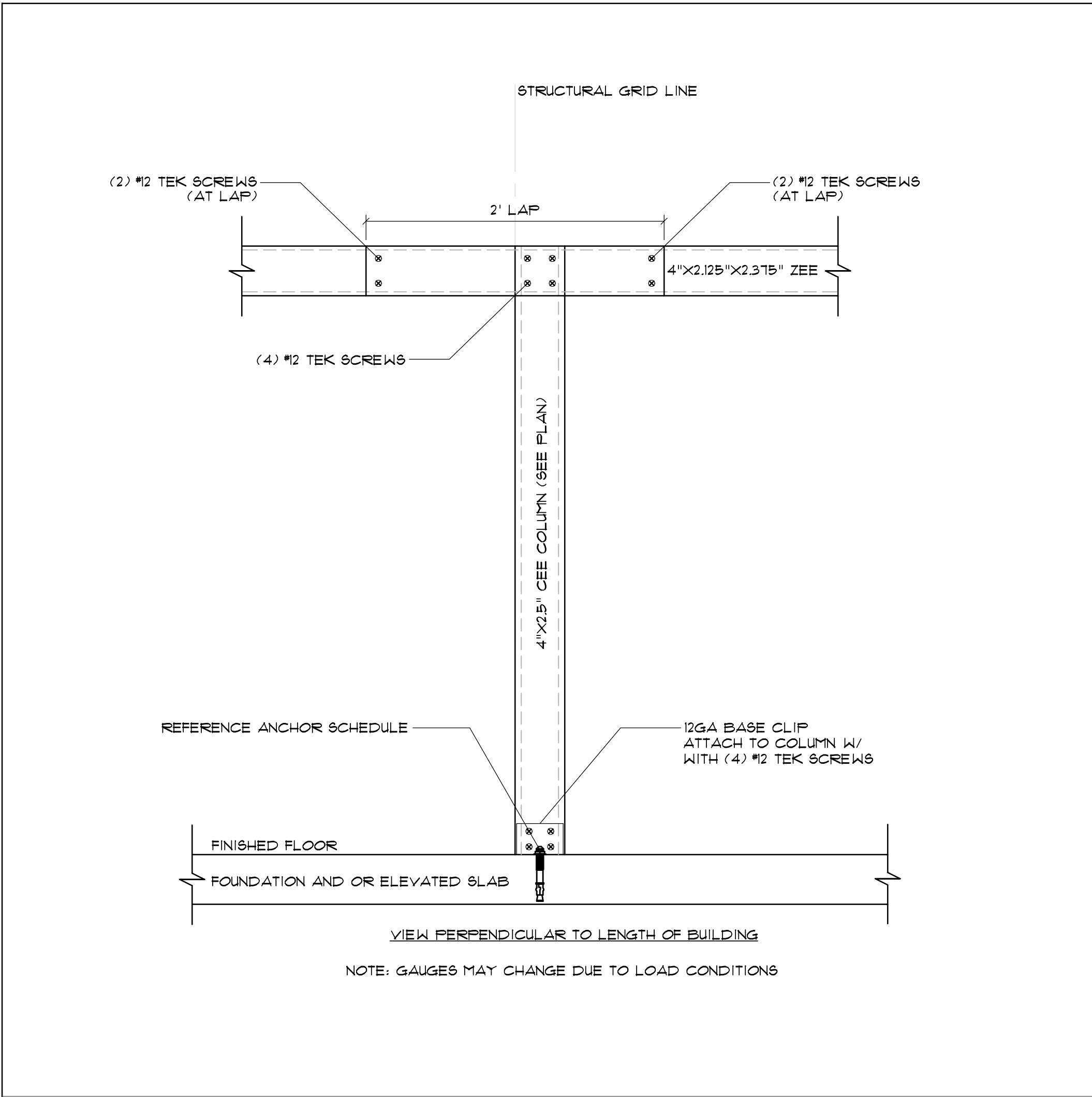
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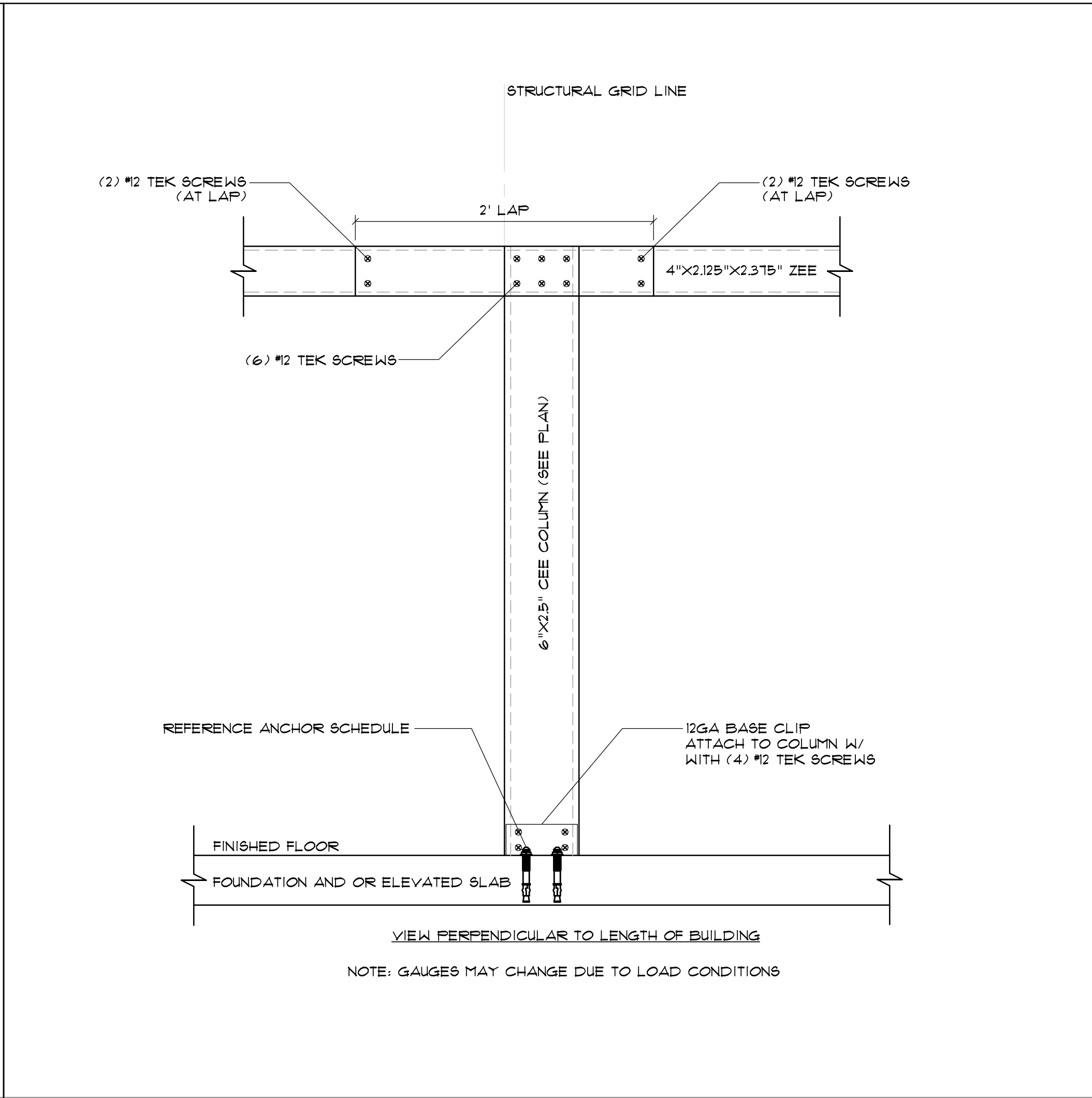
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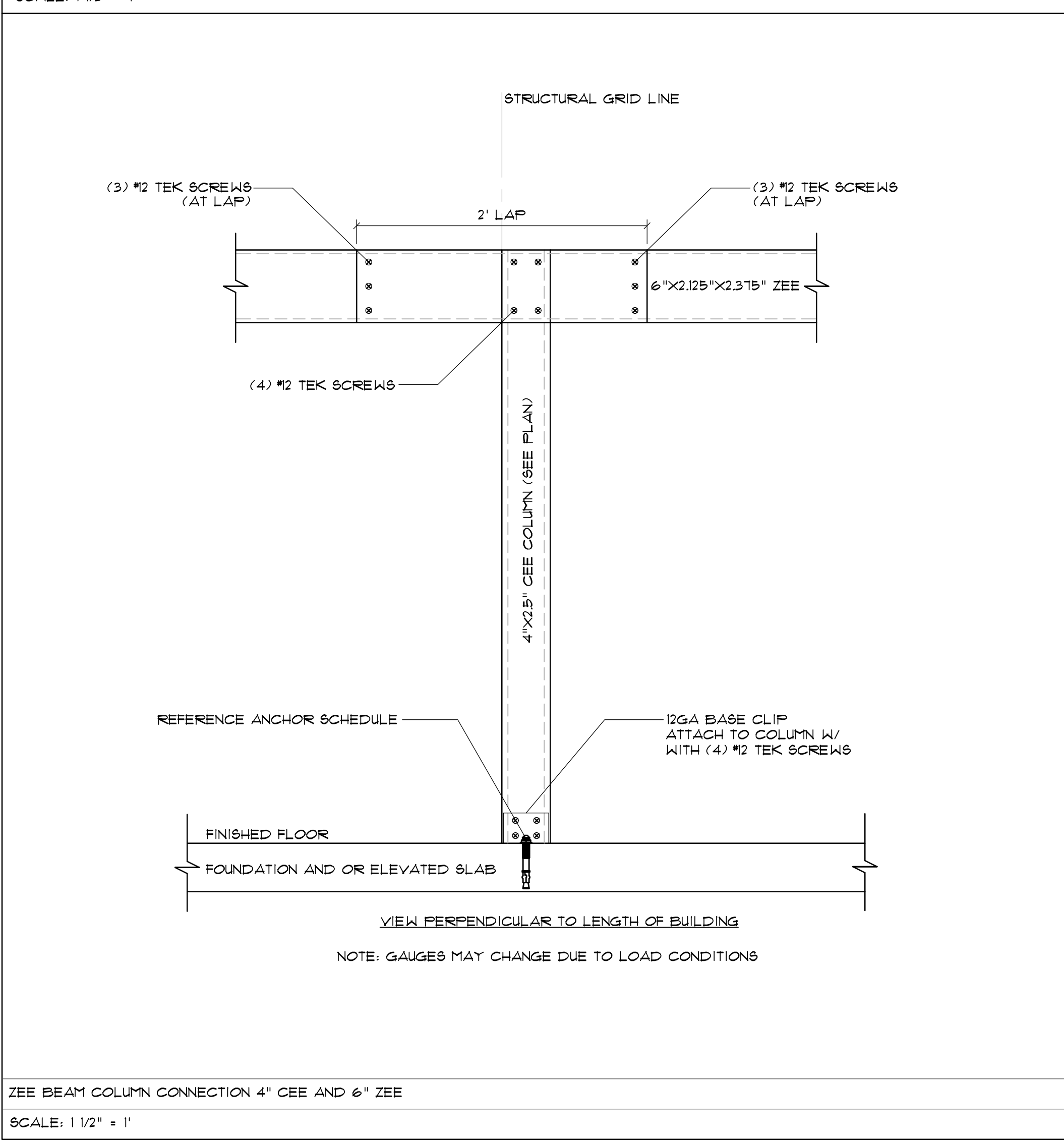
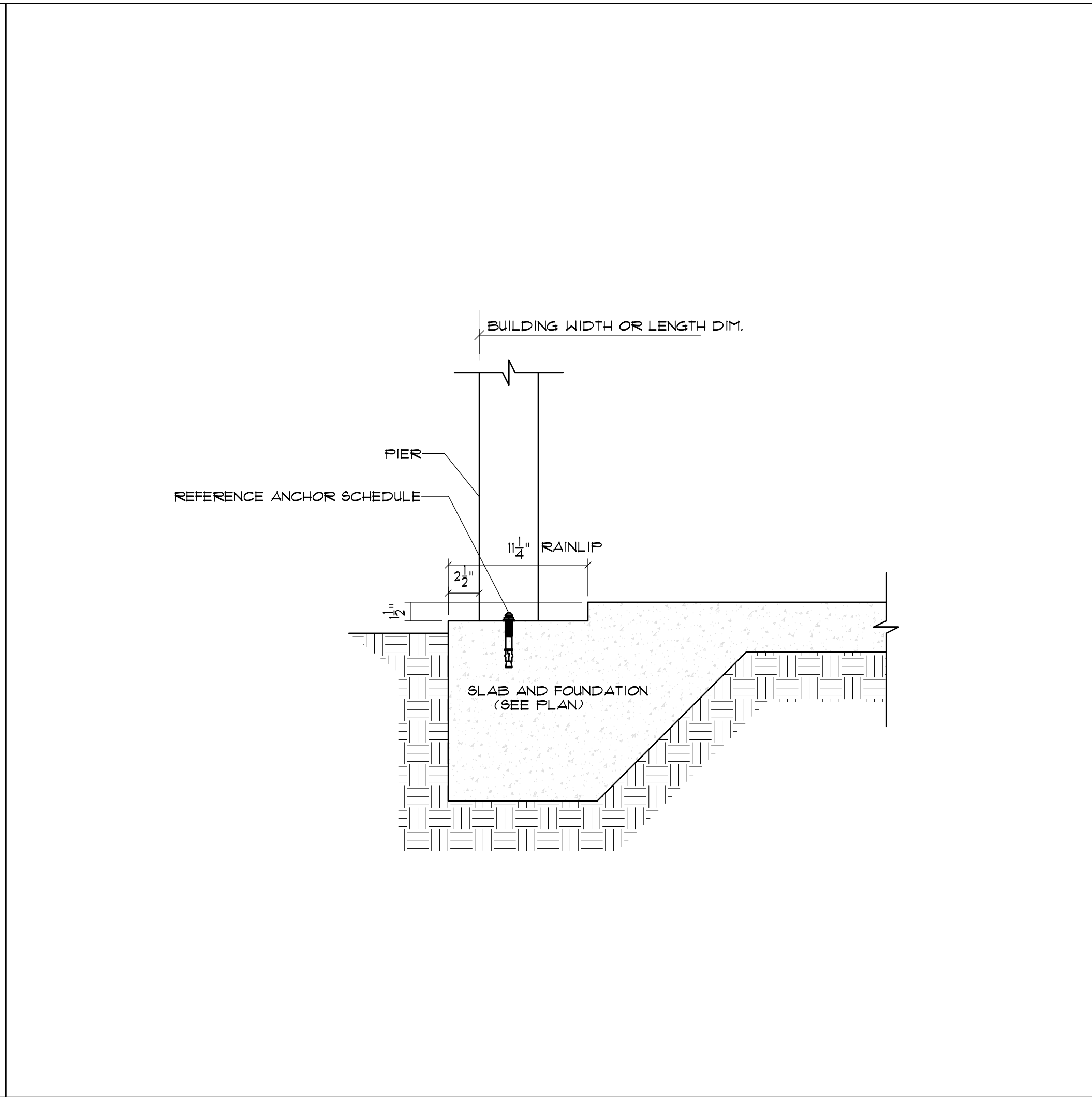
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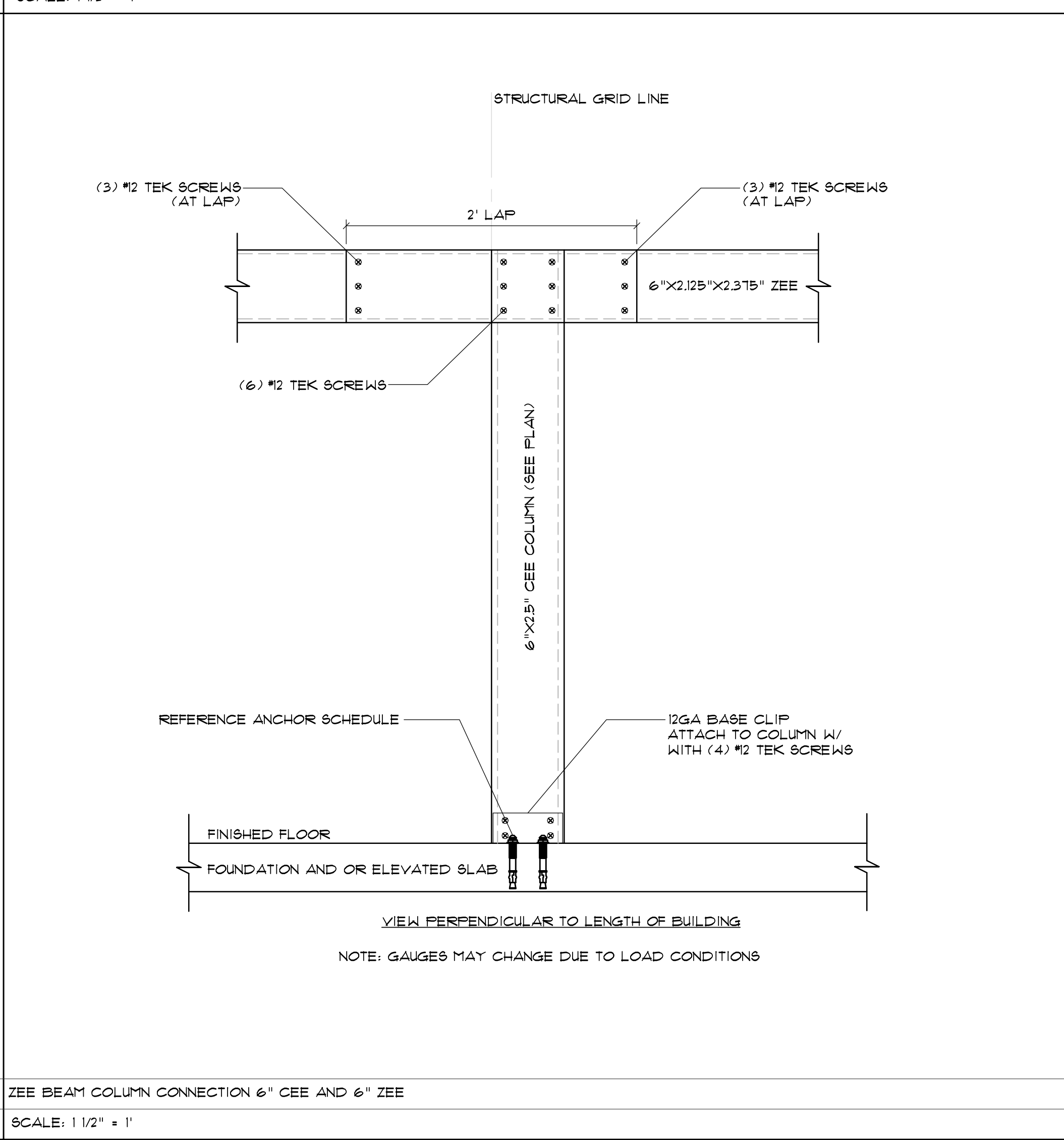
ZEE BEAM COLUMN CONNECTION 4" CEE AND 4" ZEE
SCALE: 1 1/2" = 1'



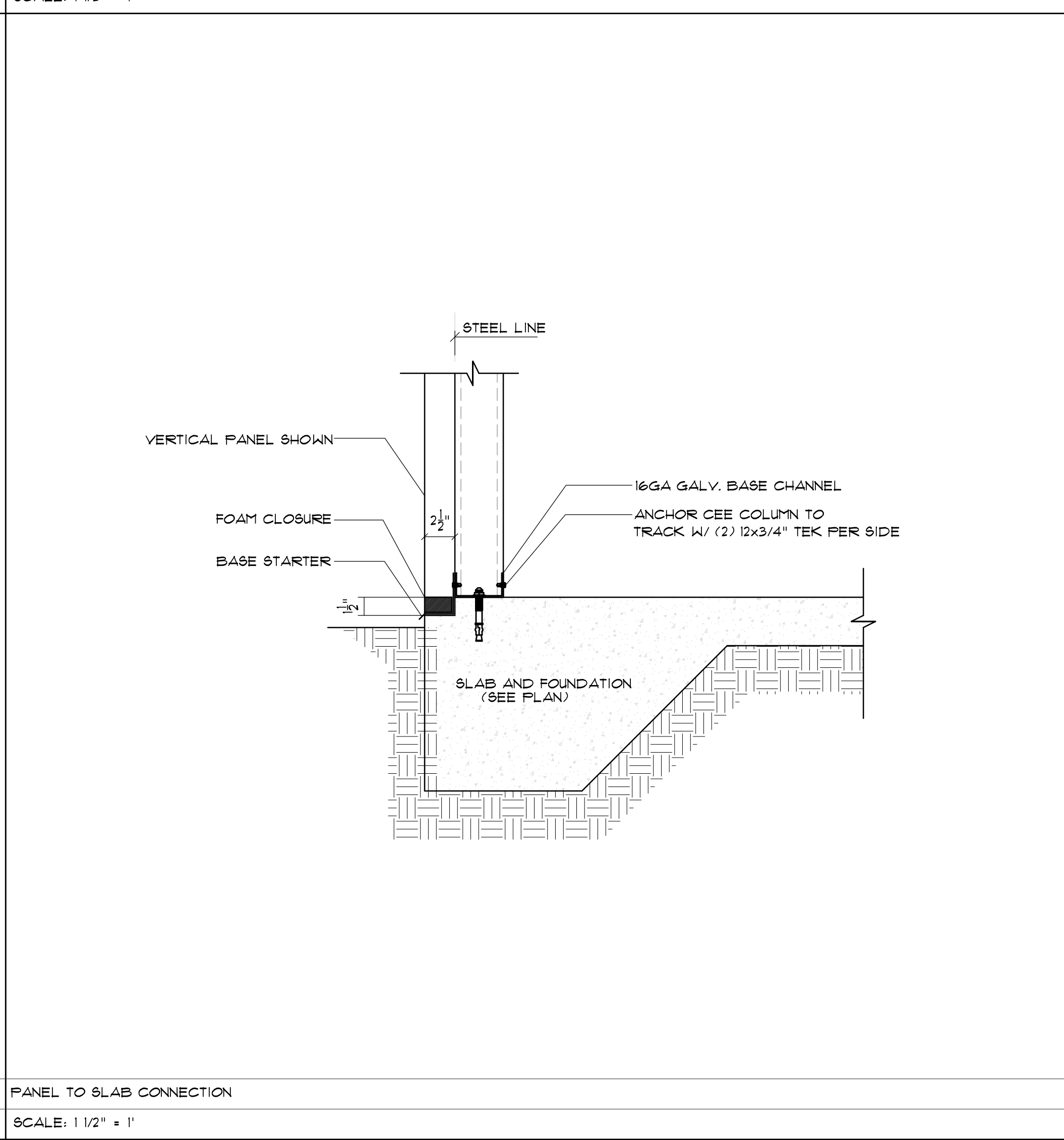
ZEE BEAM COLUMN CONNECTION 6" CEE AND 4" ZEE
SCALE: 1 1/2" = 1'



ZEE BEAM COLUMN CONNECTION 4" CEE AND 6" ZEE
SCALE: 1 1/2" = 1'



ZEE BEAM COLUMN CONNECTION 6" CEE AND 6" ZEE
SCALE: 1 1/2" = 1'



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JENNIFER ZABIK, P.E. S.E.

1024 N FULLERS CROSS ROAD

WINTER GARDEN, FL 34787

JZABIK@BENNETT-PLESS.COM

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SEALS

JENNIFER LYNNE ZABIK

LICENSE

No. 69265

STATE OF FLORIDA

PROFESSIONAL ENGINEER

06/20/25

RAPID

BUILDINGS EAST

9000 WEST COLONIAL DR.

SUITE 401

OCFEE, FL 34761

PHONE: (407) 347-9614

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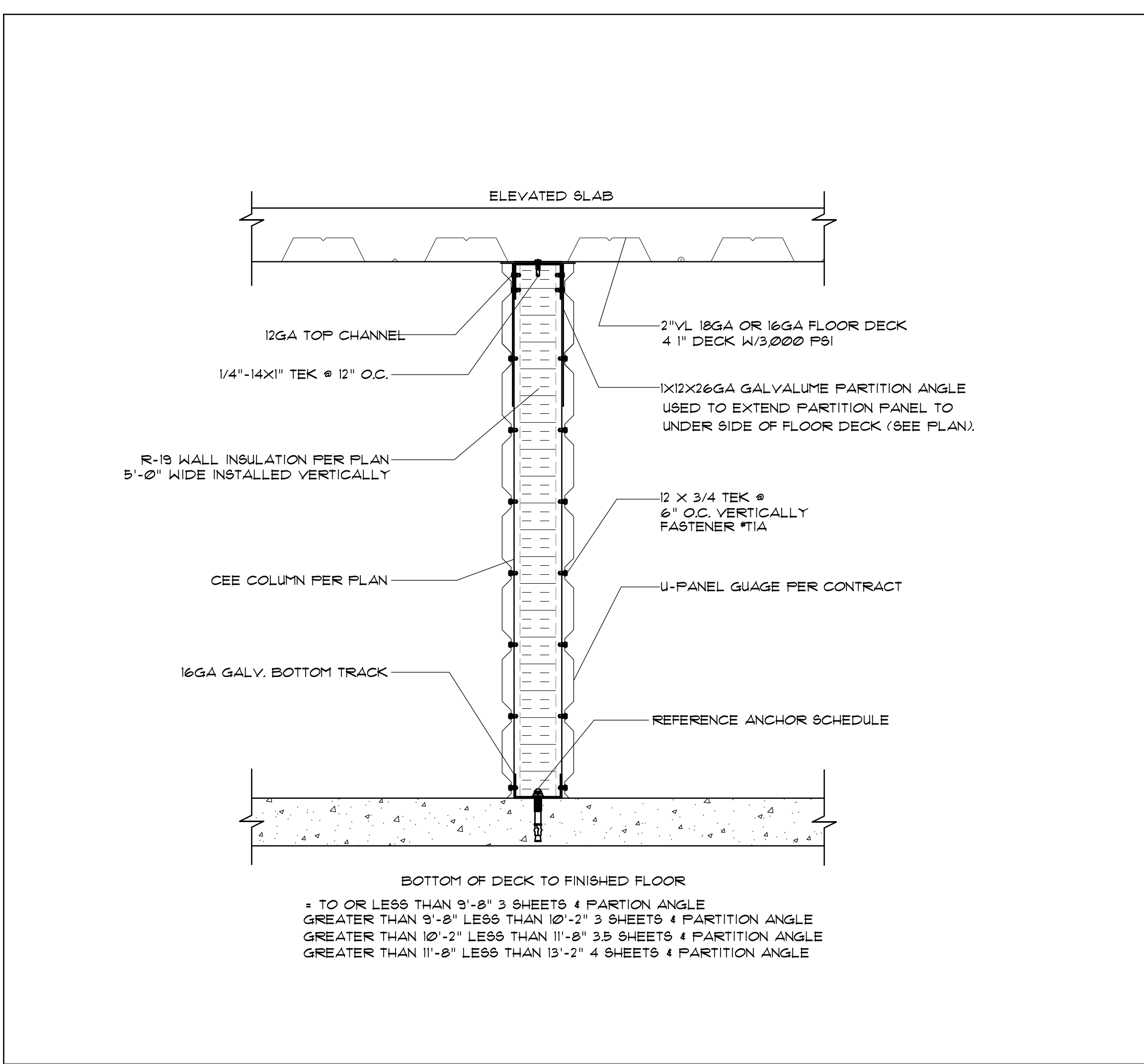
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1	03/10/25	ELEVATION UPDATES	DJM
Δ	05/28/25	RISE ROOM ADDED	DCH

SHEET TITLE

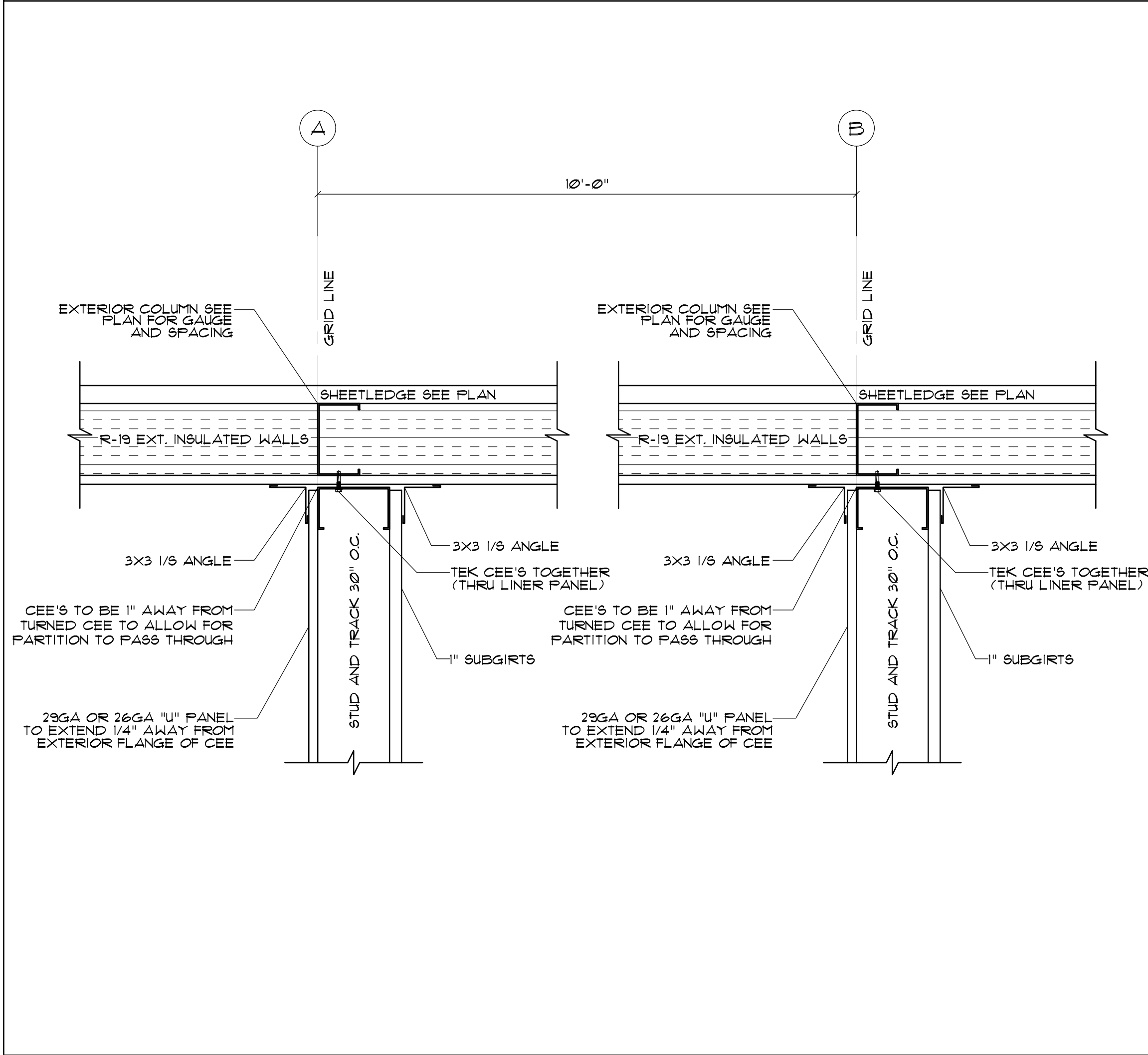
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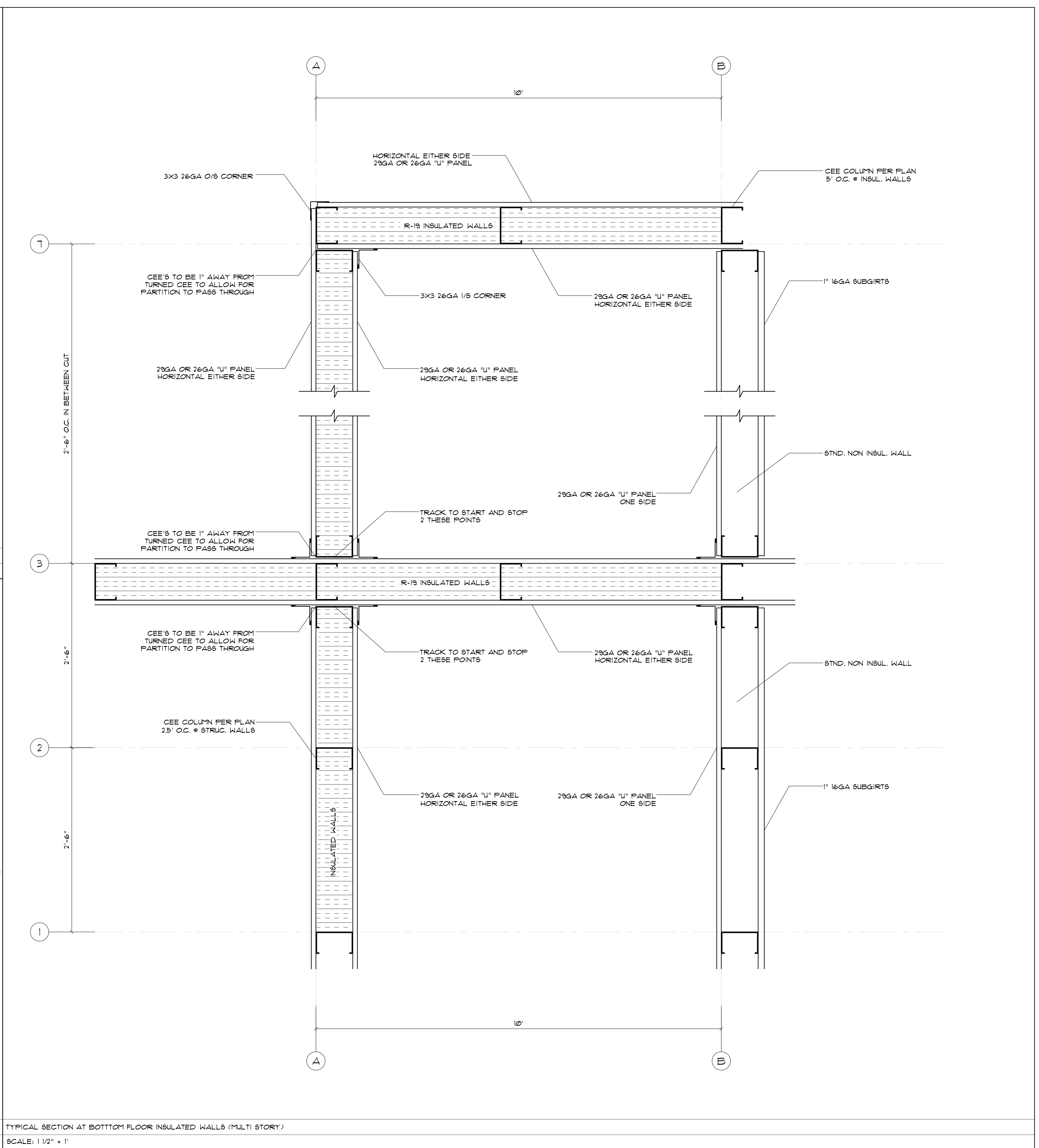
D1.11



INTERIOR INSULATED WALL RUNNING UNDER FLOOR DECK
SCALE: 1 1/2" = 1'



TYPICAL SECTION AT EXTERIOR INSULATED WALL PARTITION INTERSECTION
SCALE: 1 1/2" = 1'



TYPICAL SECTION AT BOTTOM FLOOR INSULATED WALLS (MULTI STORY)
SCALE: 1 1/2" = 1'

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SUITE 203
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JENNIFER ZABIK, P.E. S.E.
1024 N FULLERS CROSS ROAD
WINTER GARDEN, FL 34787
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P-1294

9000 WEST COLONIAL DR.
SUITE 401
OCCOKEE, FL 34761
PHONE: (407) 347-9614
INFO@RAPIDBUILDINGSOLUTIONS.COM

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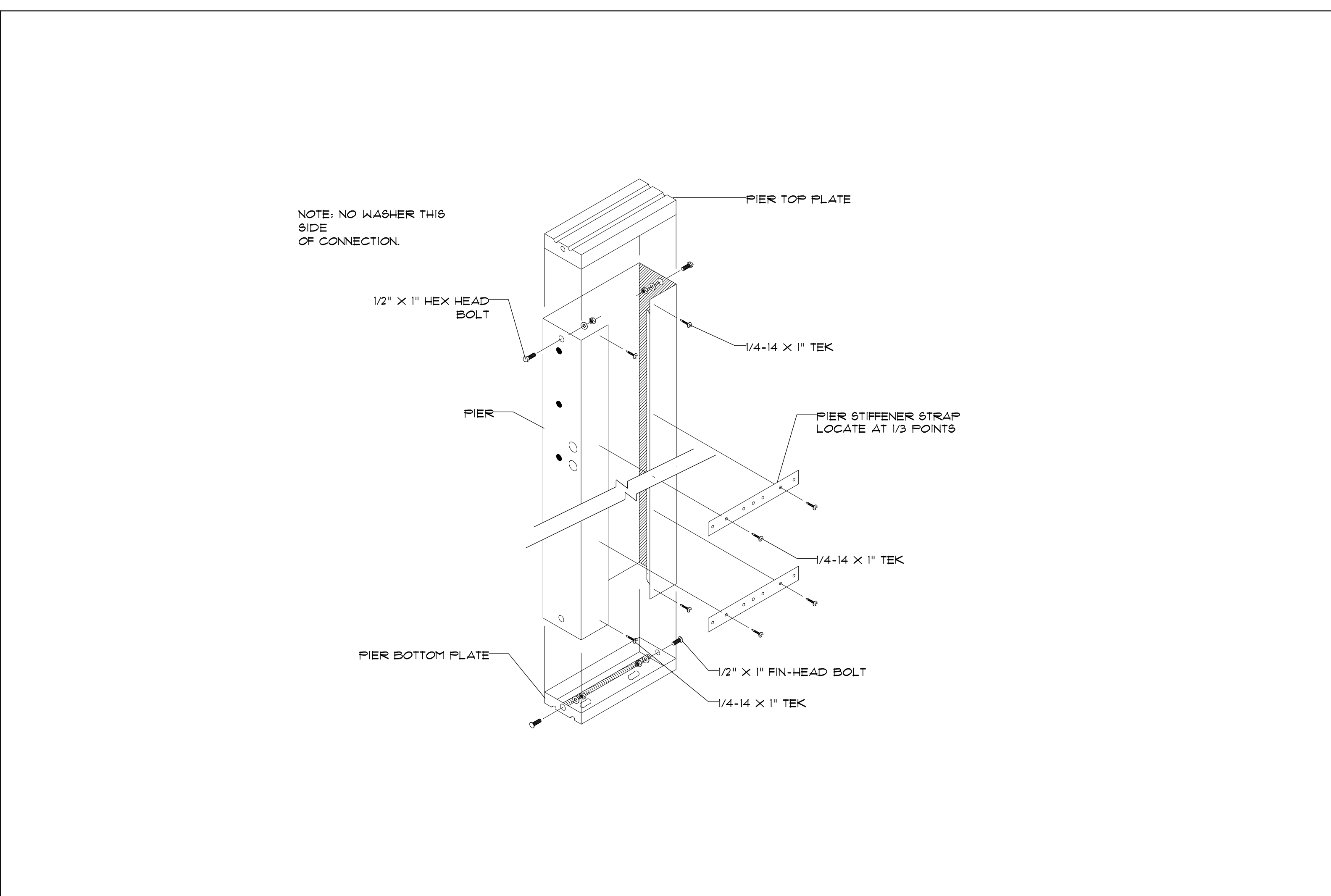
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1	03/10/25	ELEVATION UPDATES	DJM
Δ	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

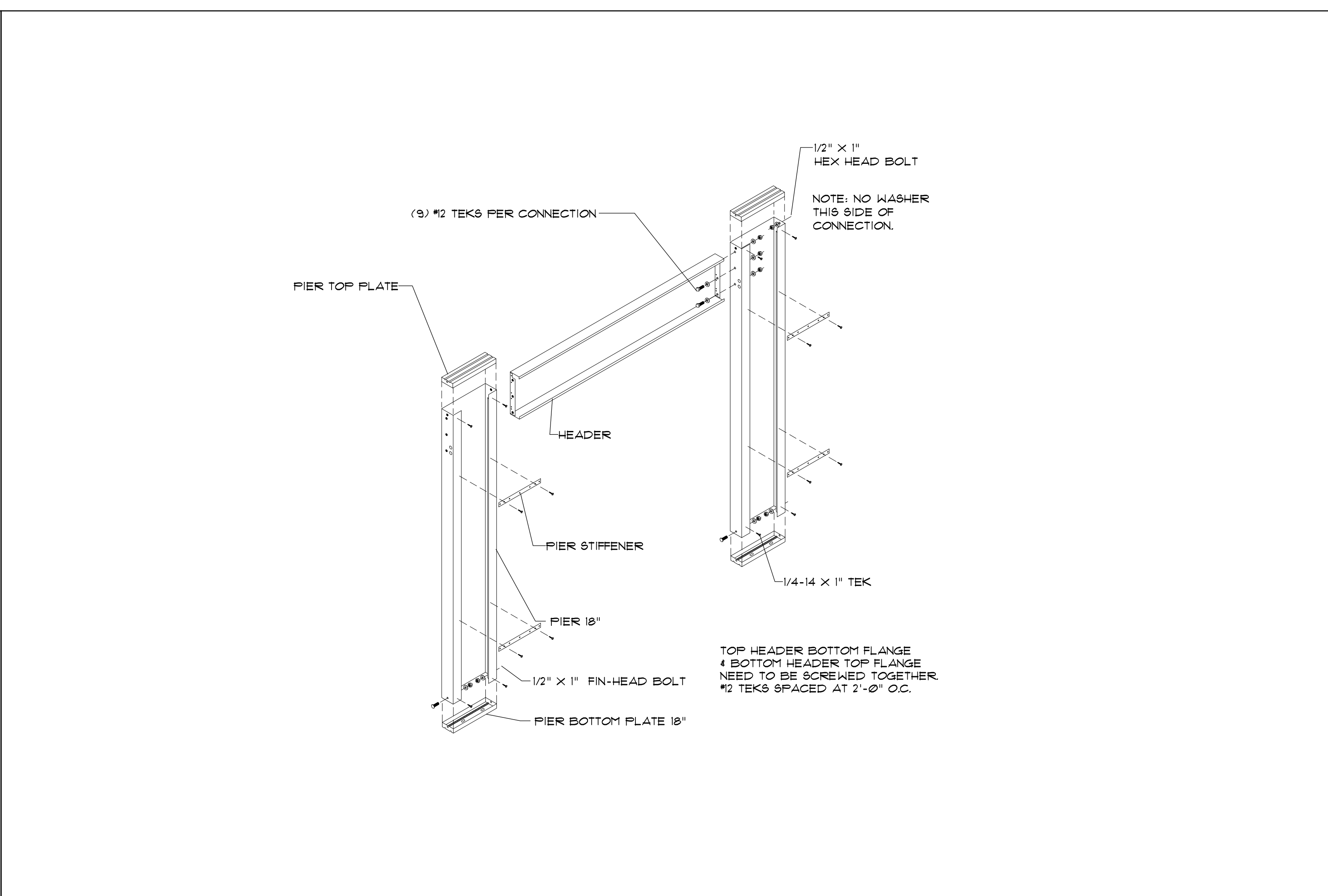
STRUCTURAL DETAILS

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DRAWN BY	DJM
SCALE	AS NOTED

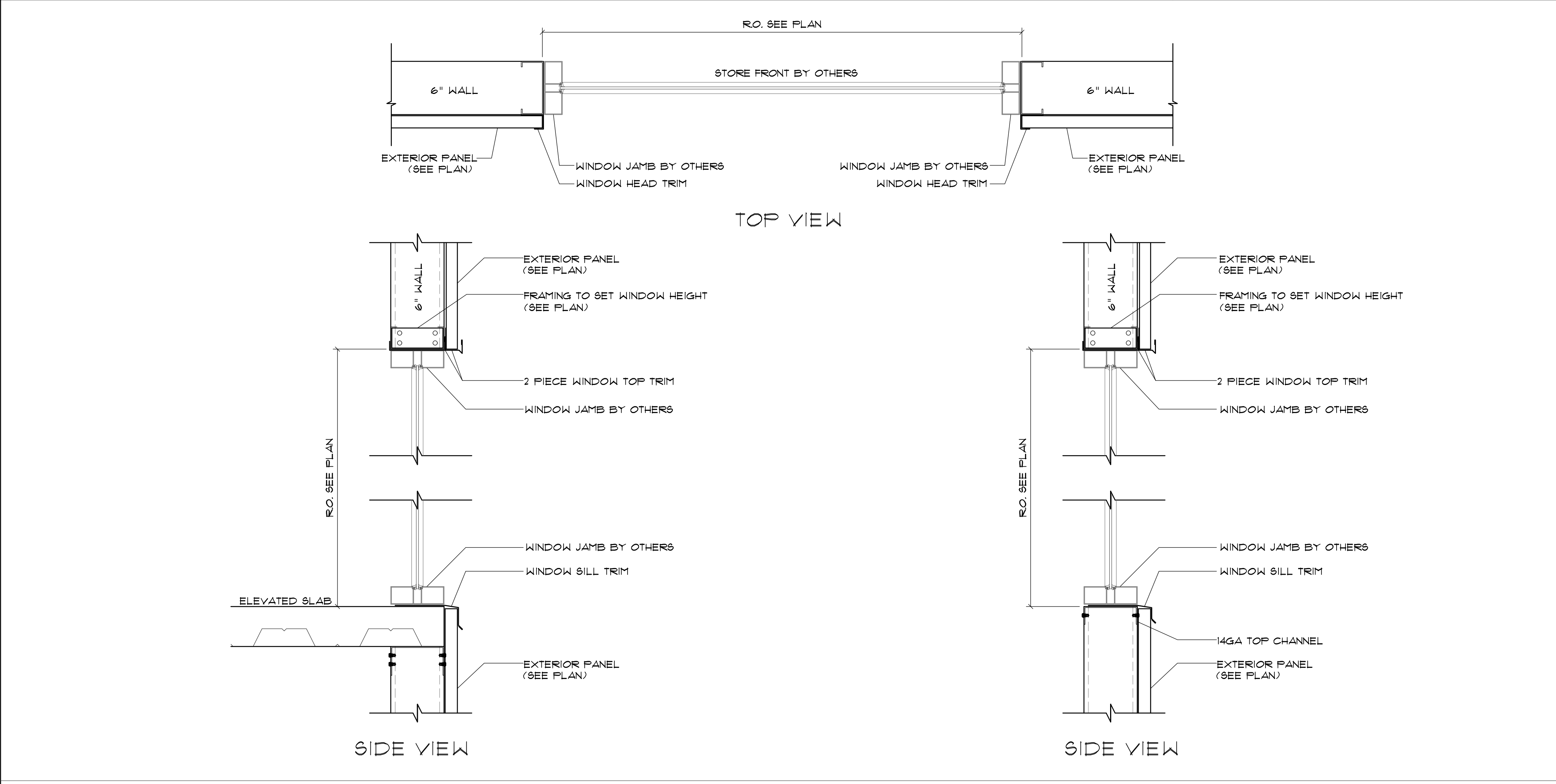
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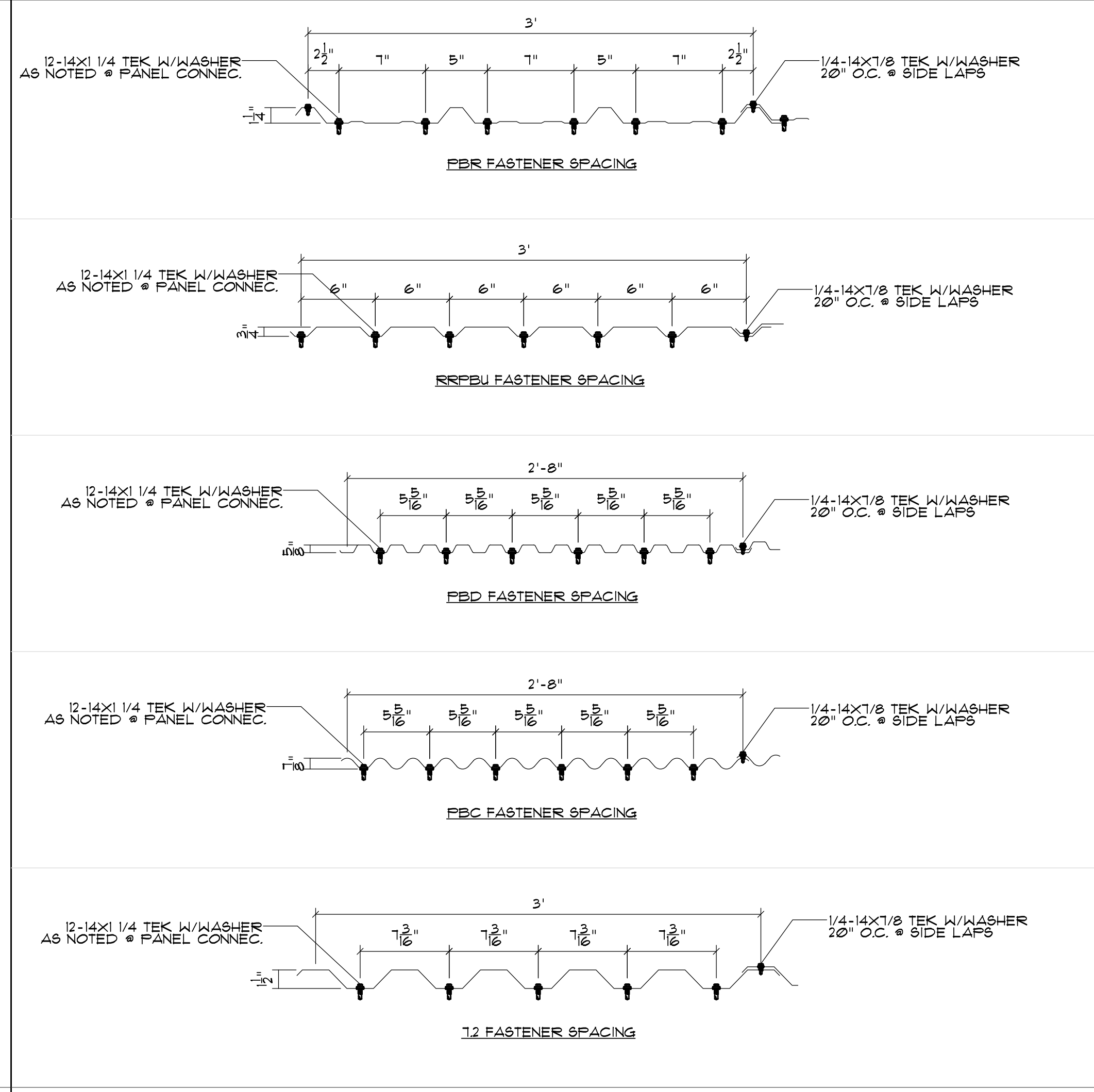
PIER ASSEMBLY
N.T.S.



PIER AND HEADER ASSEMBLY
N.T.S.



TYPICAL TRIM AROUND WINDOWS
SCALE: 1 1/2" = 1'



TYPICAL PANEL SCREW PATTERNS
SCALE: 1 1/2" = 1'

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LICENSE

No. 68265

STATE OF FLORIDA

PROFESSIONAL ENGINEER

06/20/25

RAPID

BUILDINGS EAST

9000 WEST COLONIAL DR.

SUITE 401

OCFEE, FL 34761

PHONE: (407) 347-9614

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REV.	DATE	DESCRIPTION	BY
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Δ	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

STRUCTURAL DETAILS

DATE	01-23-25
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CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	

D1.13

TYPICAL DOUBLE HEADER TO W BEAM CONNECTION

SCALE: 1 1/2" = 1'

TYPICAL DOUBLE HEADER TO HSS COLUMN CONNECTION

SCALE: 1 1/2" = 1'

EXTERIOR & RECESSED ENTRY PERSONNEL DOOR DETAIL

SCALE: 1 1/2" = 1'

WALL FRAMING VERTICAL EXTERIOR R-PANEL

SCALE: 1 1/2" = 1'

ZEE PURLIN TO INSULATED WALL IN BASE & TOP CHANNEL

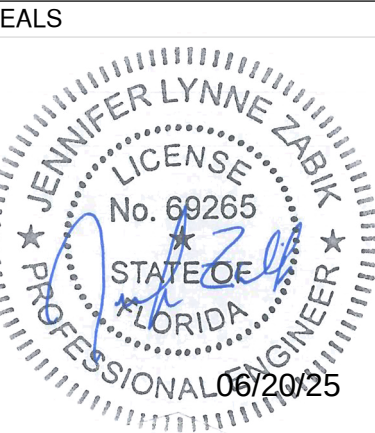
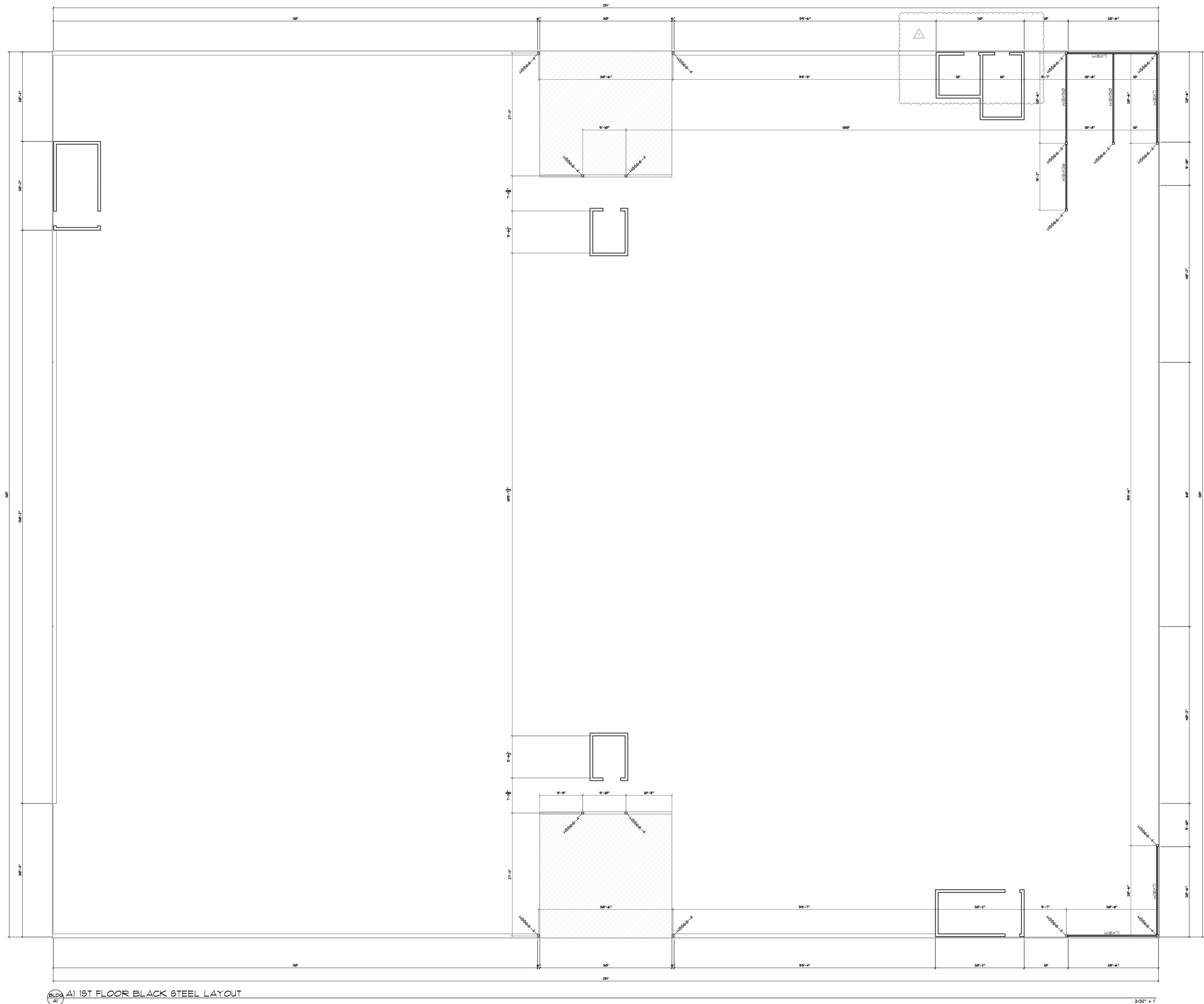
SCALE: 1 1/2" = 1'

GUTTER EXPANSION BOX INSTALLATION DETAIL

SCALE: 1 1/2" = 1'

- (6) PLACE A COUNTER STRAP AS CLOSE TO EACH SIDE OF THE G.E.B. AS POSSIBLE.
- (7) DO NOT RIVET OR SCREW THE G.E.B. TO THE GUTTERS THEY MUST BE ALLOWED TO MOVE FOR EXPANSION.
- (8) NOTE THAT THE DOWNSPOUTS ATTACHED TO THE G.E.B. ARE 4" SHORTER THAN THOSE ATTACHED TO THE GUTTERS.
- (9) IN THE CASE WHERE SCUPPERS ARE REQUIRED, CUT OUT THE BOTTOM OF THE G.E.B. TO THE INSIDE DIMENSIONS OF THE SCUPPER. RIVET SCUPPER TO THE BOTTOM OF THE G.E.B.

[illegible]



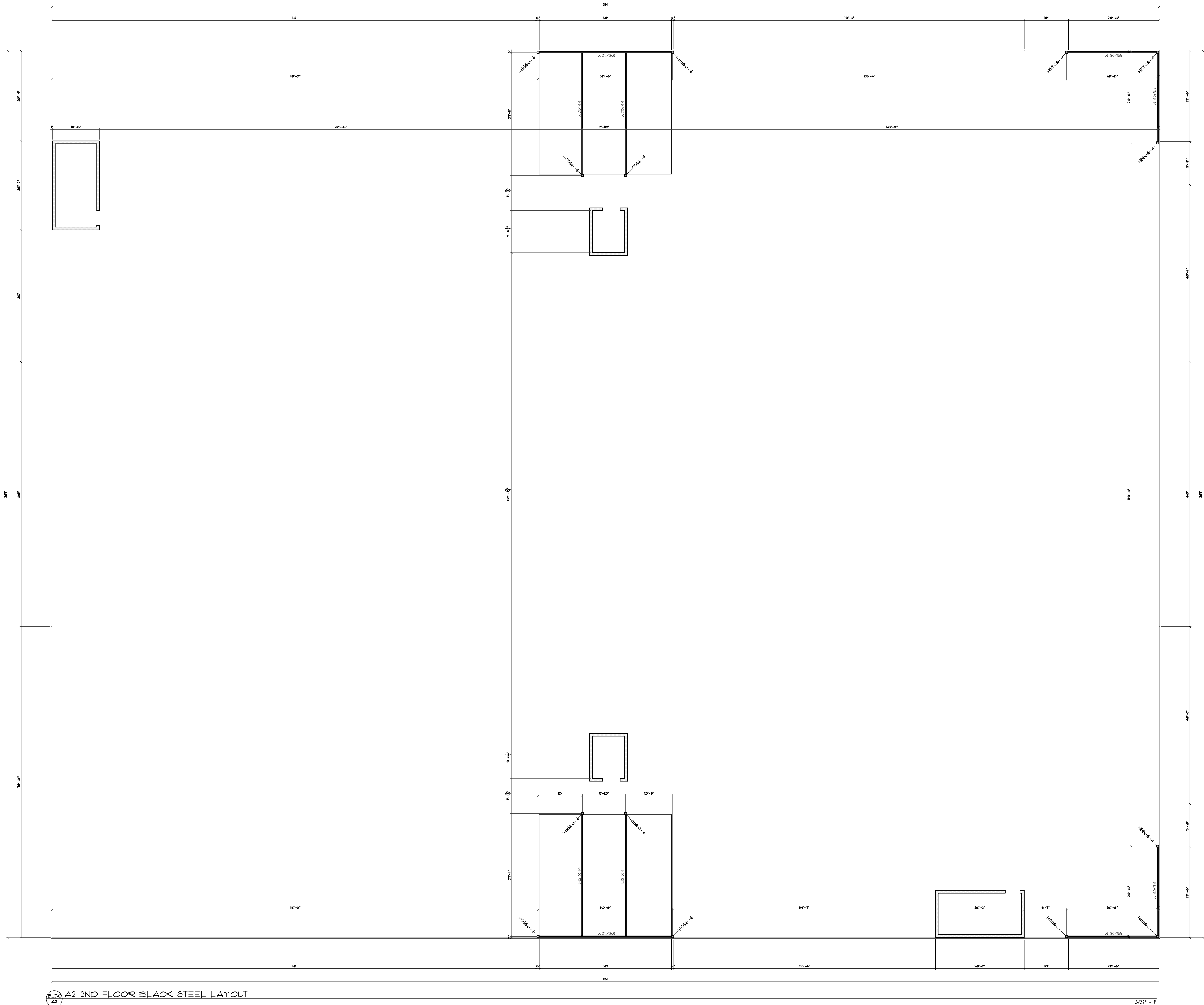
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REV.	DATE	DESCRIPTION	BY
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Δ	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

BLDG. A
1ST FLOOR BLACK
STEEL PLAN

DATE 01-23-25
DESIGNED BY RBX
CHECKED BY DJM
DRAWN BY DJM
SCALE AS NOTED
SHEET



BLDG. A 2ND FLOOR BLACK STEEL LAYOUT

3/32" = 1'

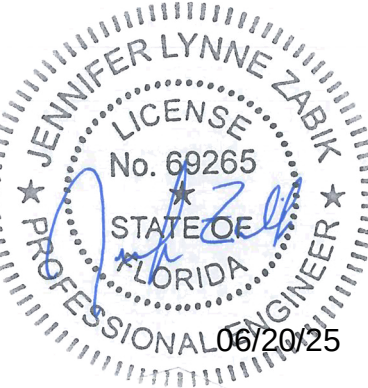


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1024 N FULLERS CROSS ROAD
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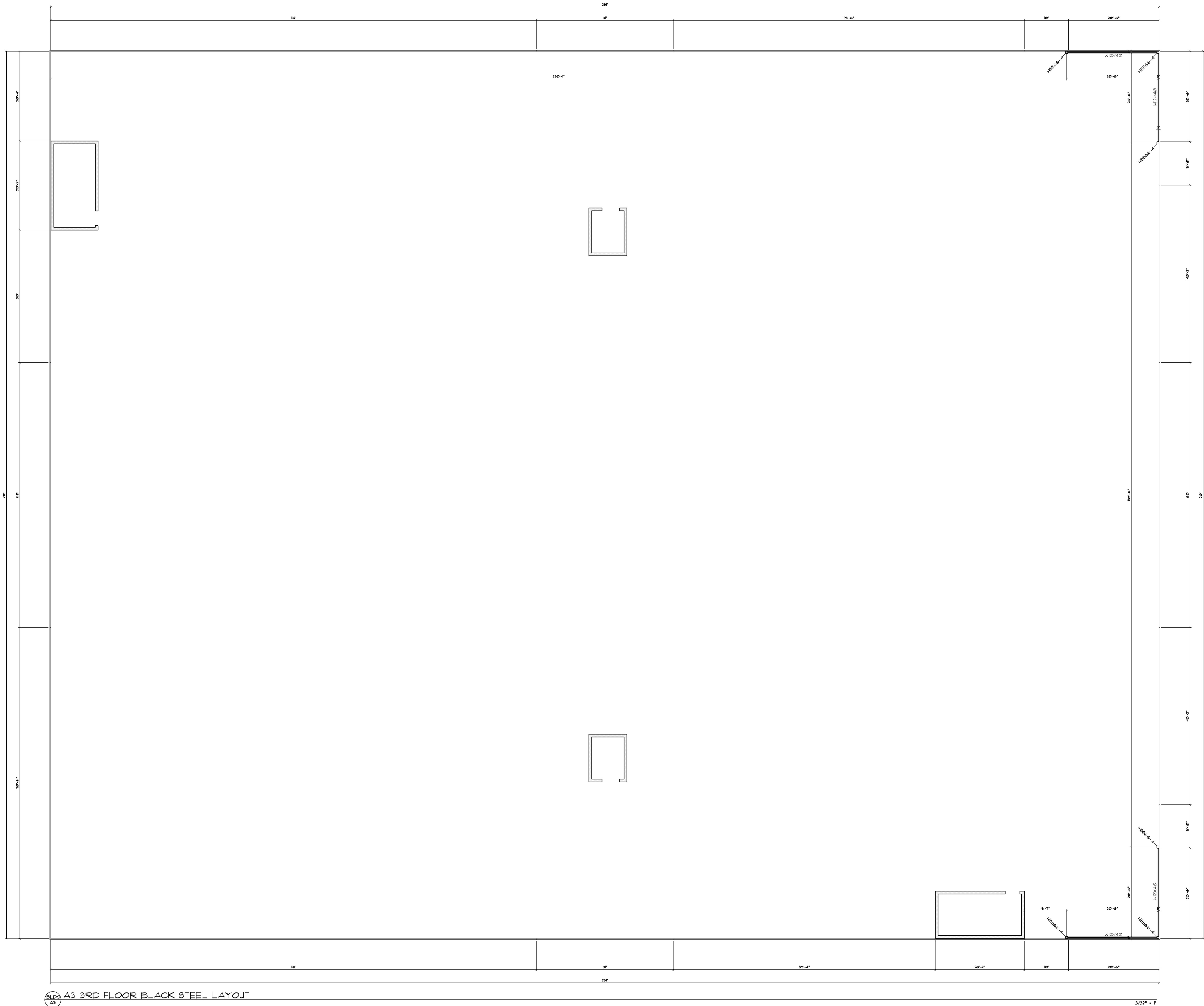
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1	03/10/25	ELEVATION UPDATES	DJM
Δ	05/28/25	RISE ROOM ADDED	DCH

SHEET TITLE

BLDG. A
2ND FLOOR BLACK
STEEL PLAN

DATE 01-23-25
DESIGNED BY RBX
CHECKED BY DJM
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SHEET



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MIAMI, FL 33186
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WINTER GARDEN, FL 34787
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SUITE 401
OCFEE, FL 34761
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REV.	DATE	DESCRIPTION	BY
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Δ	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

BLDG. A
3RD FLOOR BLACK
STEEL PLAN

DATE 01-23-25
DESIGNED BY RBX
CHECKED BY DJM
DRAWN BY DJM
SCALE AS NOTED
SHEET

B1.2

HSS COLUMN & BASE PLATE SCHEDULE	
----------------------------------	--

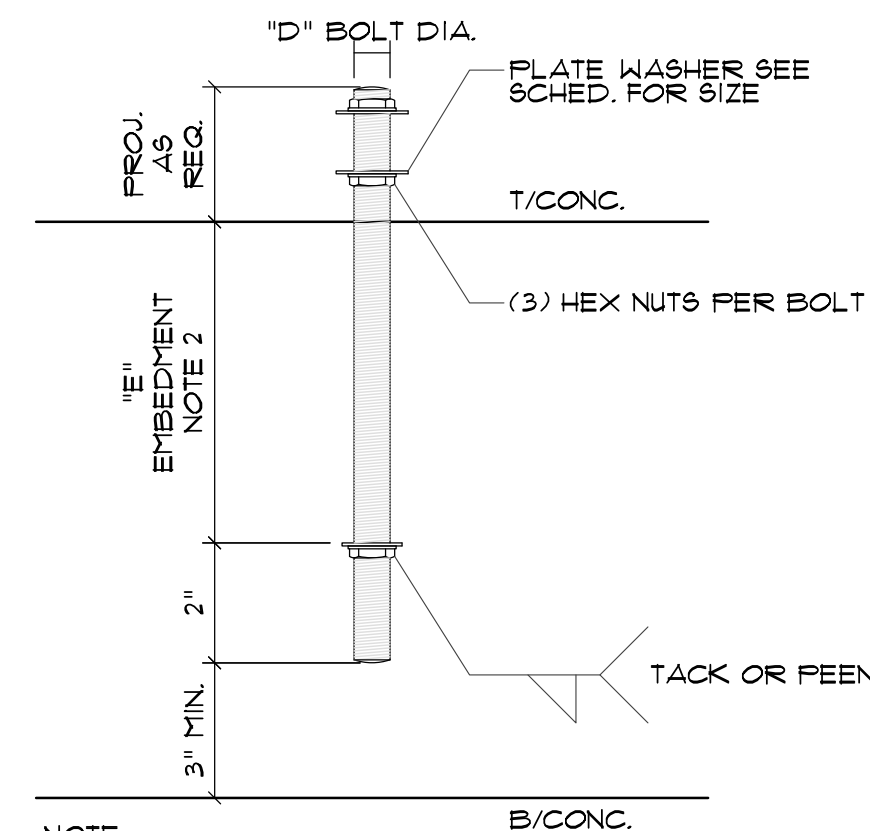
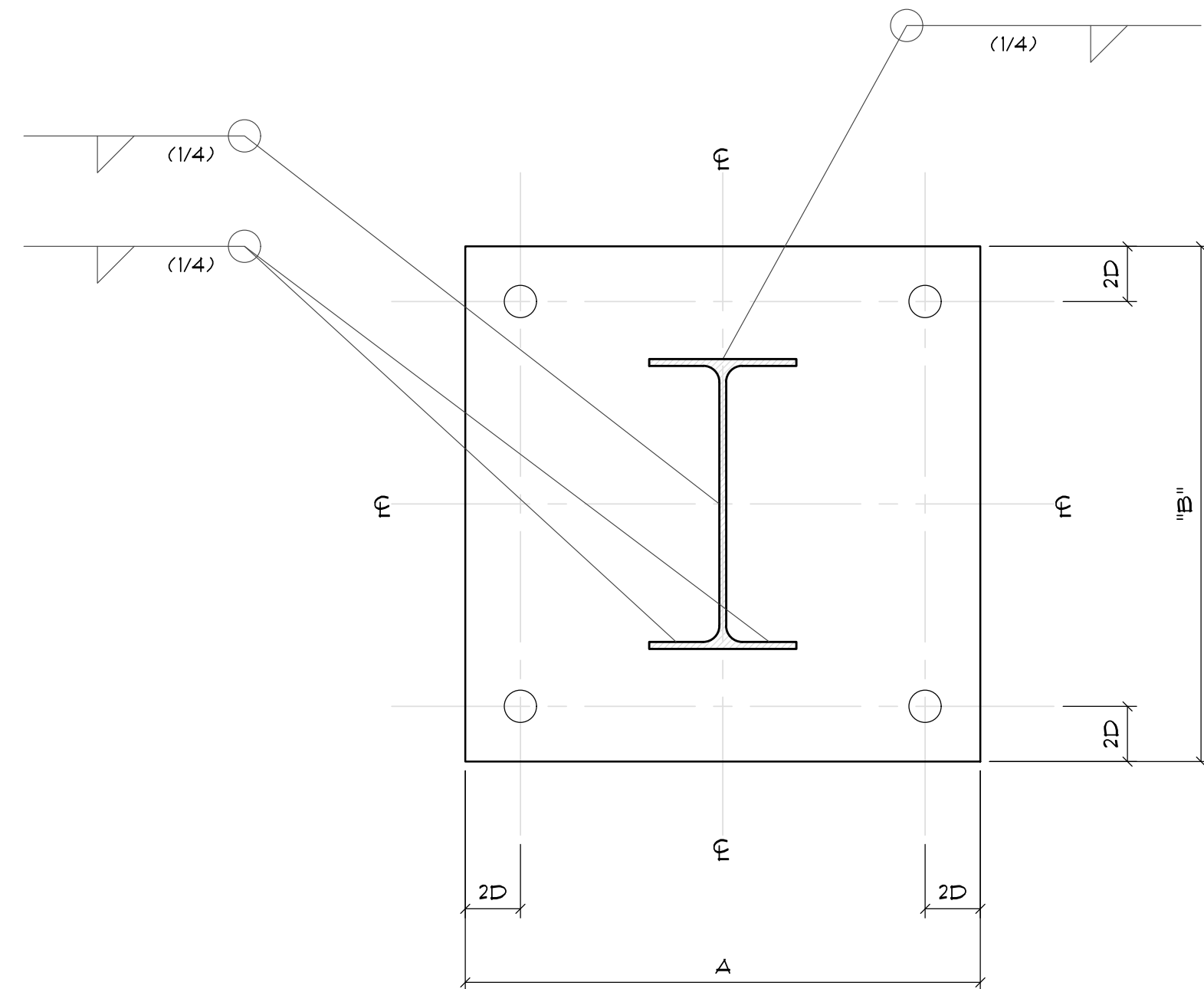
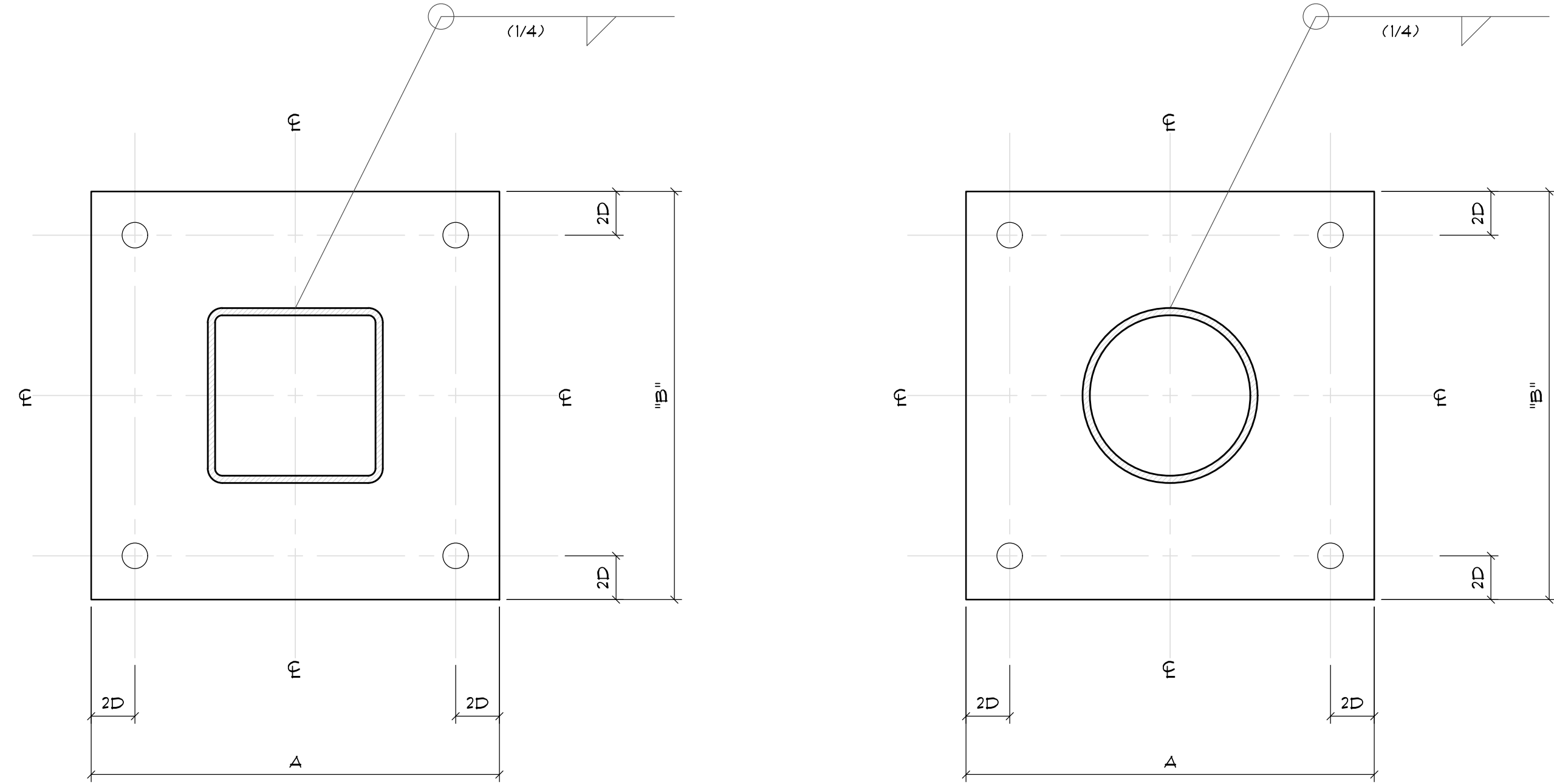
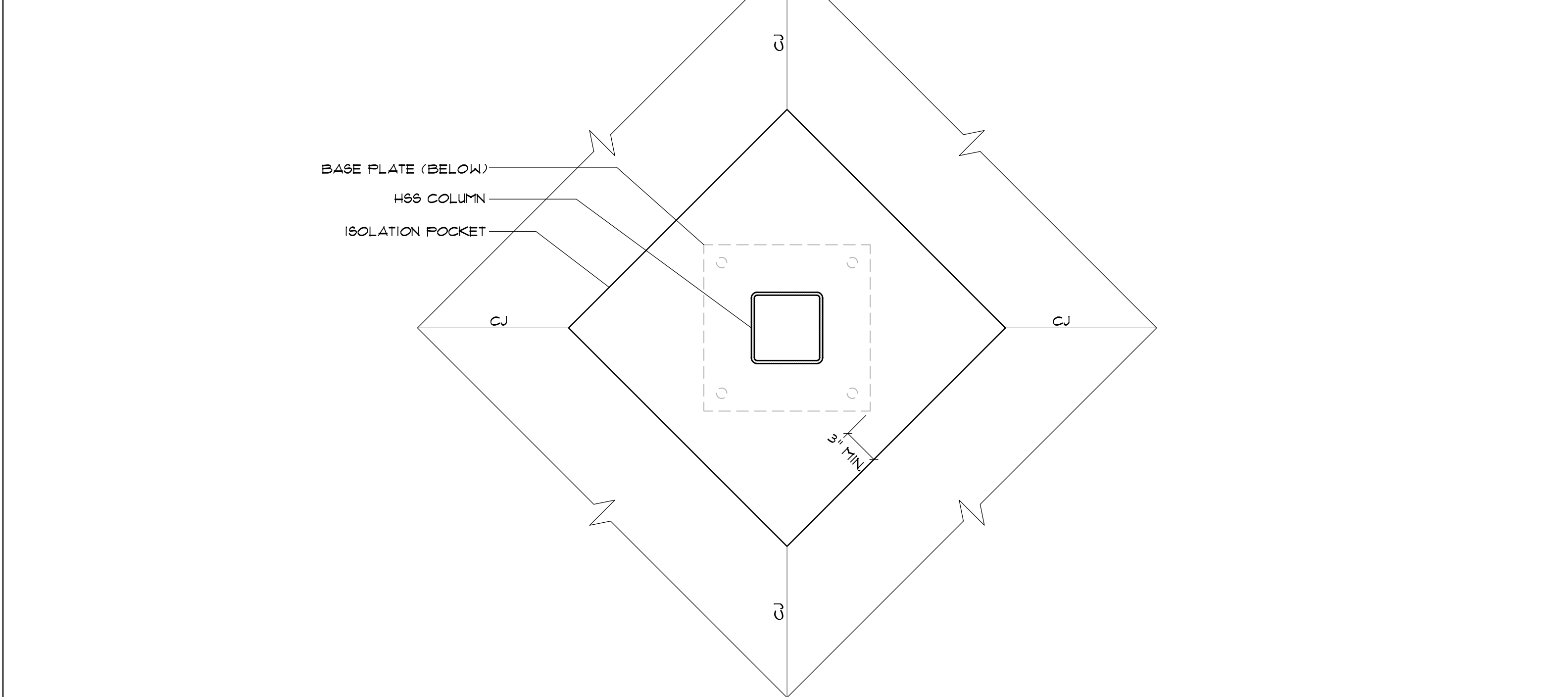
COLUMN MARK	COLUMN SIZE	BASE PLATE			ANCHOR BOLT		CAP PLATE	REMARKS
		A	"B"	THICKNESS	EMBED (NT 243)	DIAMETER		
(C1) H8866-4	6"X6"X1/4"	12"	12"	1/2"	9"	3/4"		
1. ANCHOR RODS SHALL BE ASTM F1554 (GRADE 36) UNF, THREADED EACH END WITH NUT AT BOTTOM. PLATE WASHER AT BOTTOM NUT IS NOT REQ'D. INCREASE FOOTING 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.				BOLT MATERIAL TYPE		MINIMUM EMBEDDED LENGTH	MAXIMUM EMBEDDED LENGTH	MINIMUM EMBEDDED EDGE DISTANCE
				A307, A36		12d	E=FTG THICKNESS -5"	5dE4"
				A325, A449		17d		7dE4"

OVERSIZED HOLES AND PLATE WASHERS FOR BASE PLATES

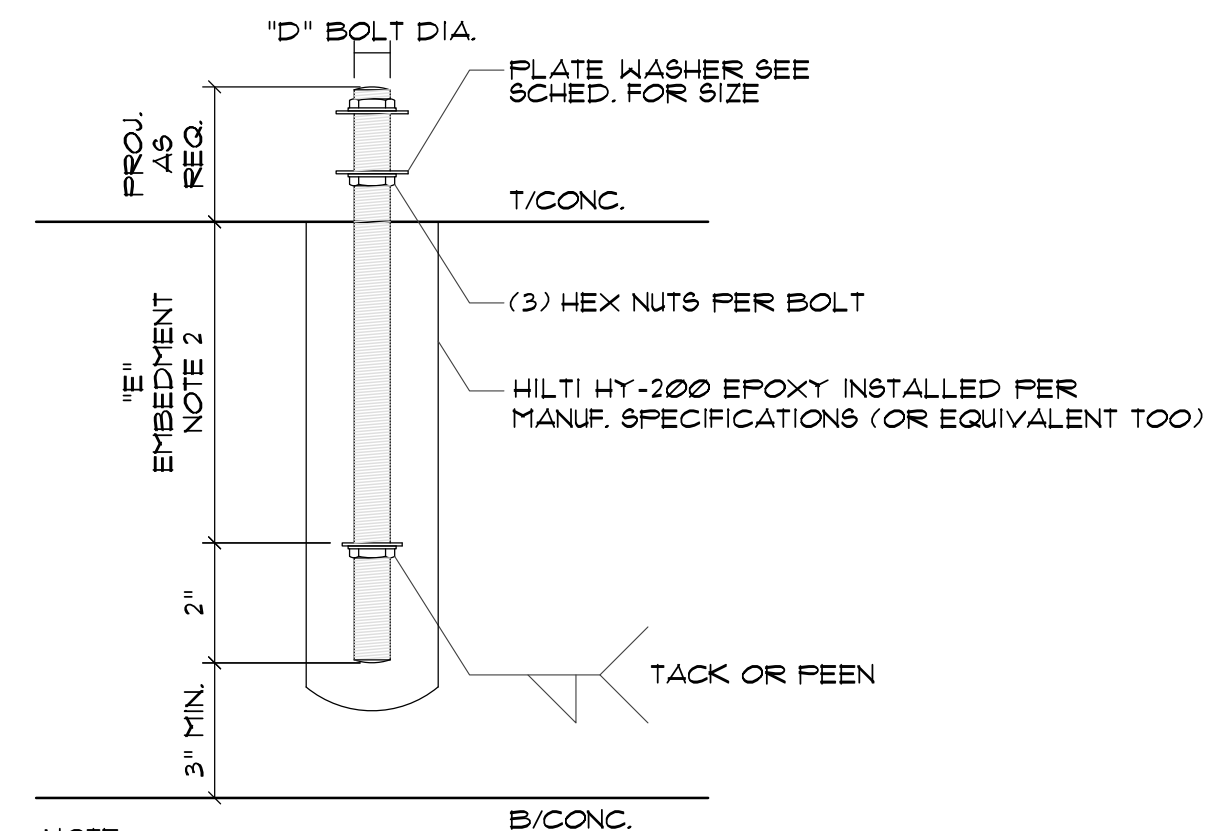
BOLT DIAMETER	HOLE DIAMETER	FL WASHERS	BOLT DIAMETER	HOLE DIAMETER	FL WASHERS
3/4"	1 5/16"	1/4"X2"X2"	1 1/2"	2 5/16"	1/2"X3 1/2"
7/8"	1 9/16"	5/16"X2 1/2"X2 1/2"	1 3/4"	2 3/4"	5/8"X4"
1"	1 13/16"	3/8"X3"X3"	2"	3 1/4"	3/4"X5"
1 1/4"	2 1/16"	1/2"X3"X3"	2 1/2"	3 3/4"	7/8"X5 1/2"

ISOLATION POCKET DETAIL

NOTE:
IT IS IMPERATIVE THAT THE ORIENTATION OF
ISOLATION POCKET BE AS THAT SHOWN (WITH
CORNERS AT CONTROL JOINTS) TO PREVENT
EXCESSIVE CRACKING IN SLAB.



NOTE:
IF FOOTING IS NOT SCHEDULED WITH SUFFICIENT THICKNESS, THEN INCREASE THICKNESS AT ANCHOR BOLTS ONLY

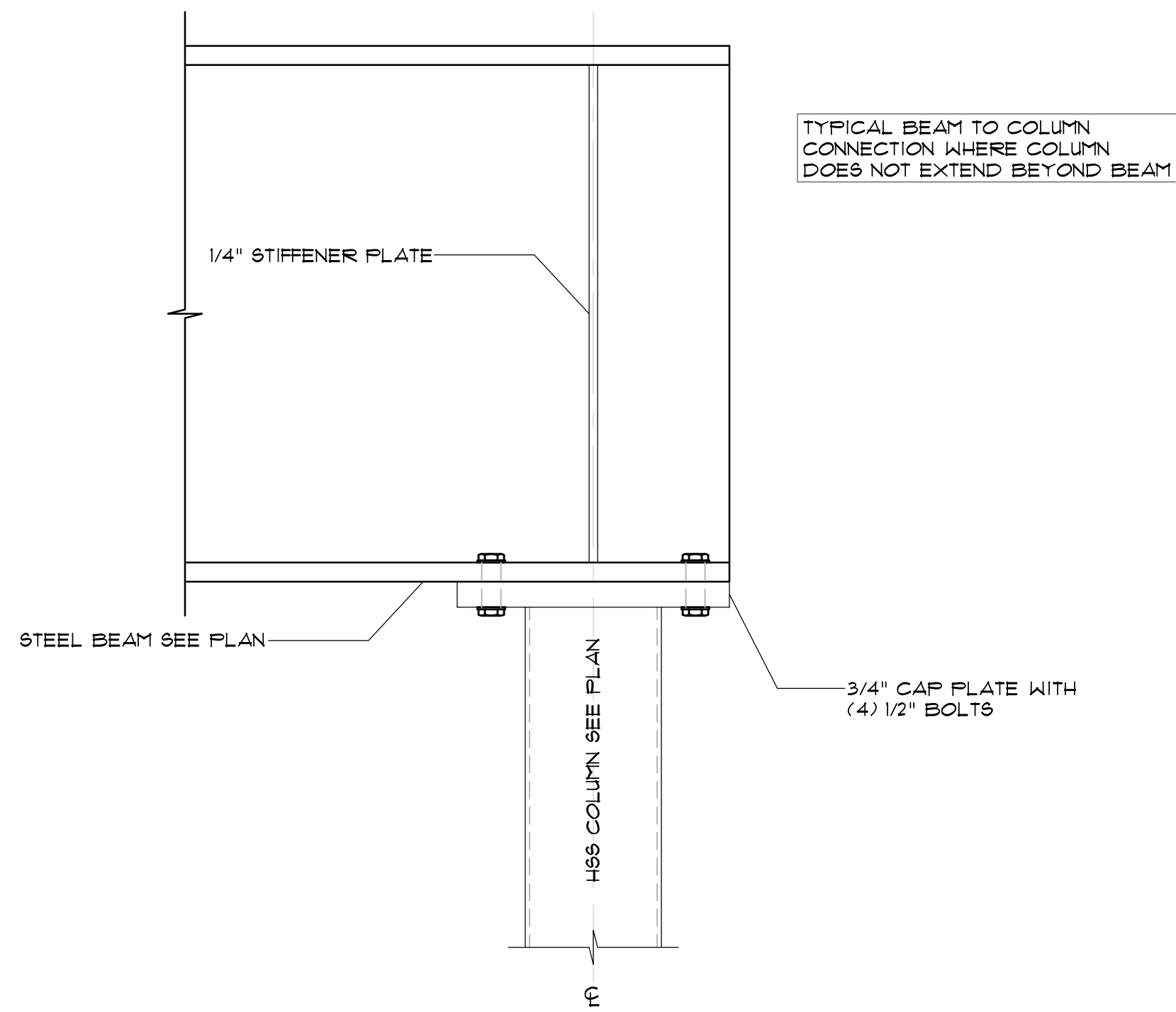
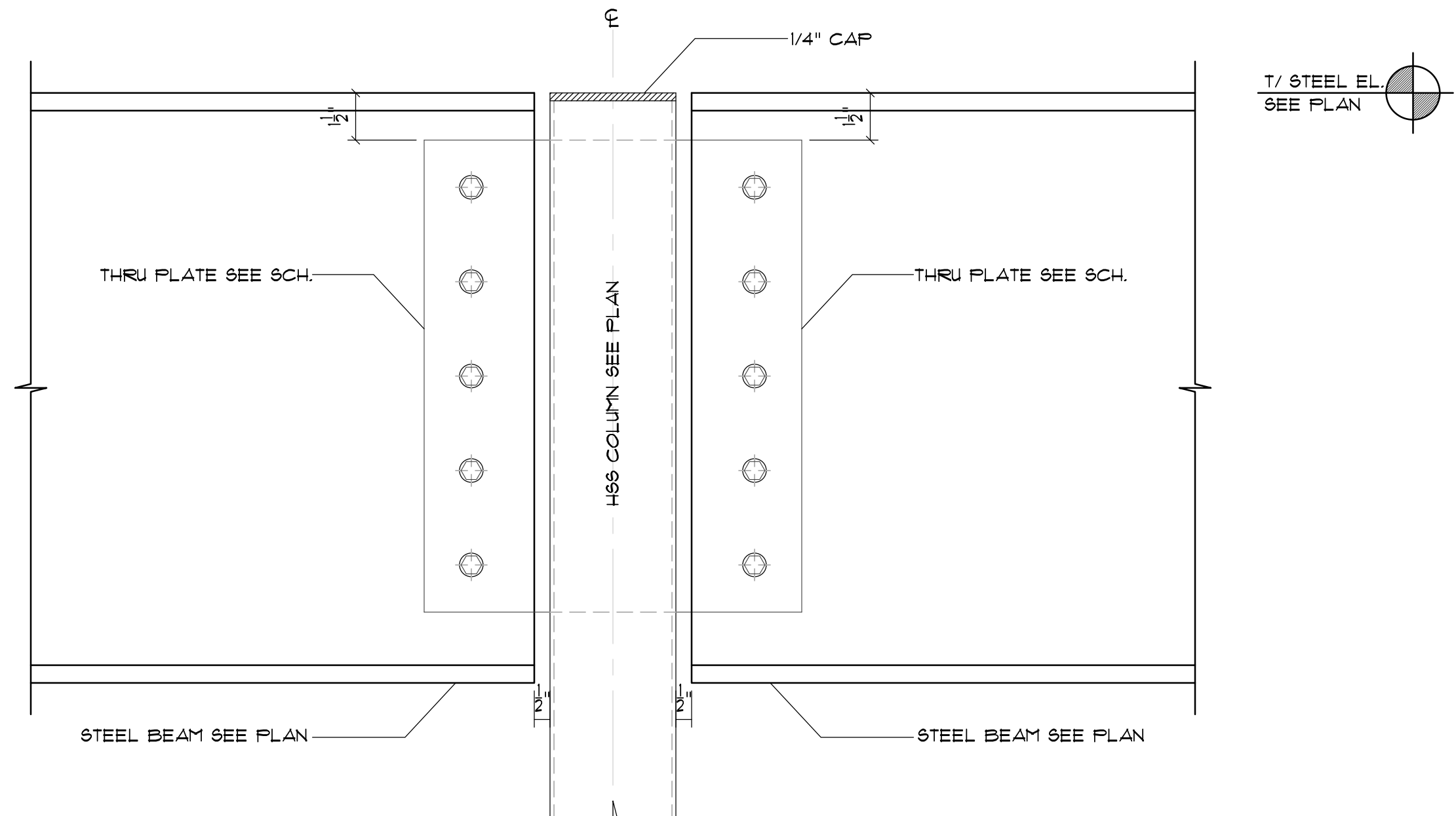
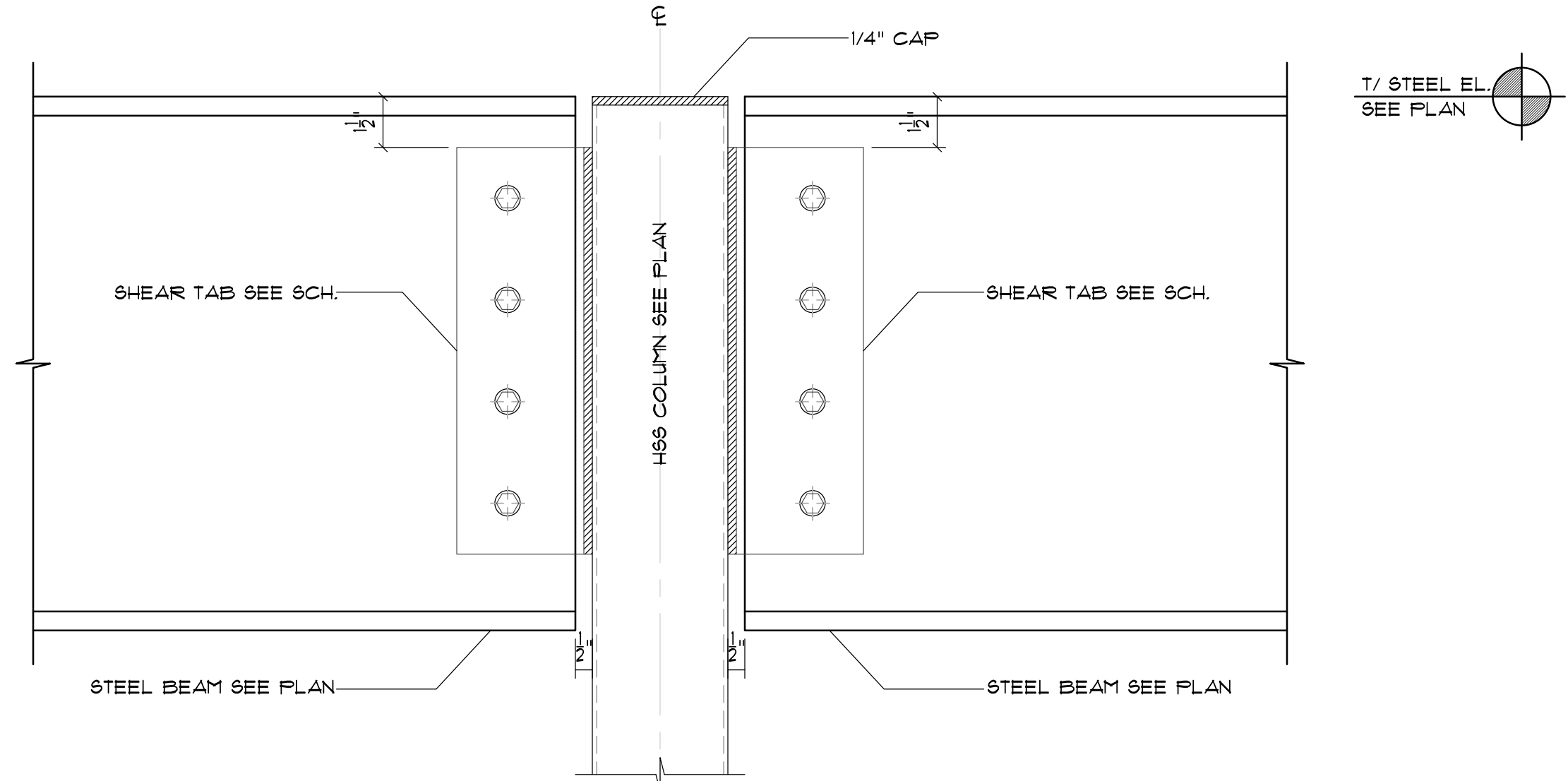


NOTE:
POST INSTALLED EXPANSION AND OR EPOXY BOLTS
ARE ACCEPTABLE ALTERNATIVES TO THE CAST IN
PLACE ANCHOR BOLTS SHOWN.
THE POST INSTALLED ANCHORS SHALL BE OF
EQUIVALENT DIAMETER AND EMBEDMENT
LENGTH AS SCHEDULED.

--	--

SCALE: 3" = 1'

NOTE: COLUMN CAP PLATE MAY NOT BE REQUIRED, COLUMNS MAY EXTEND UPWARDS.



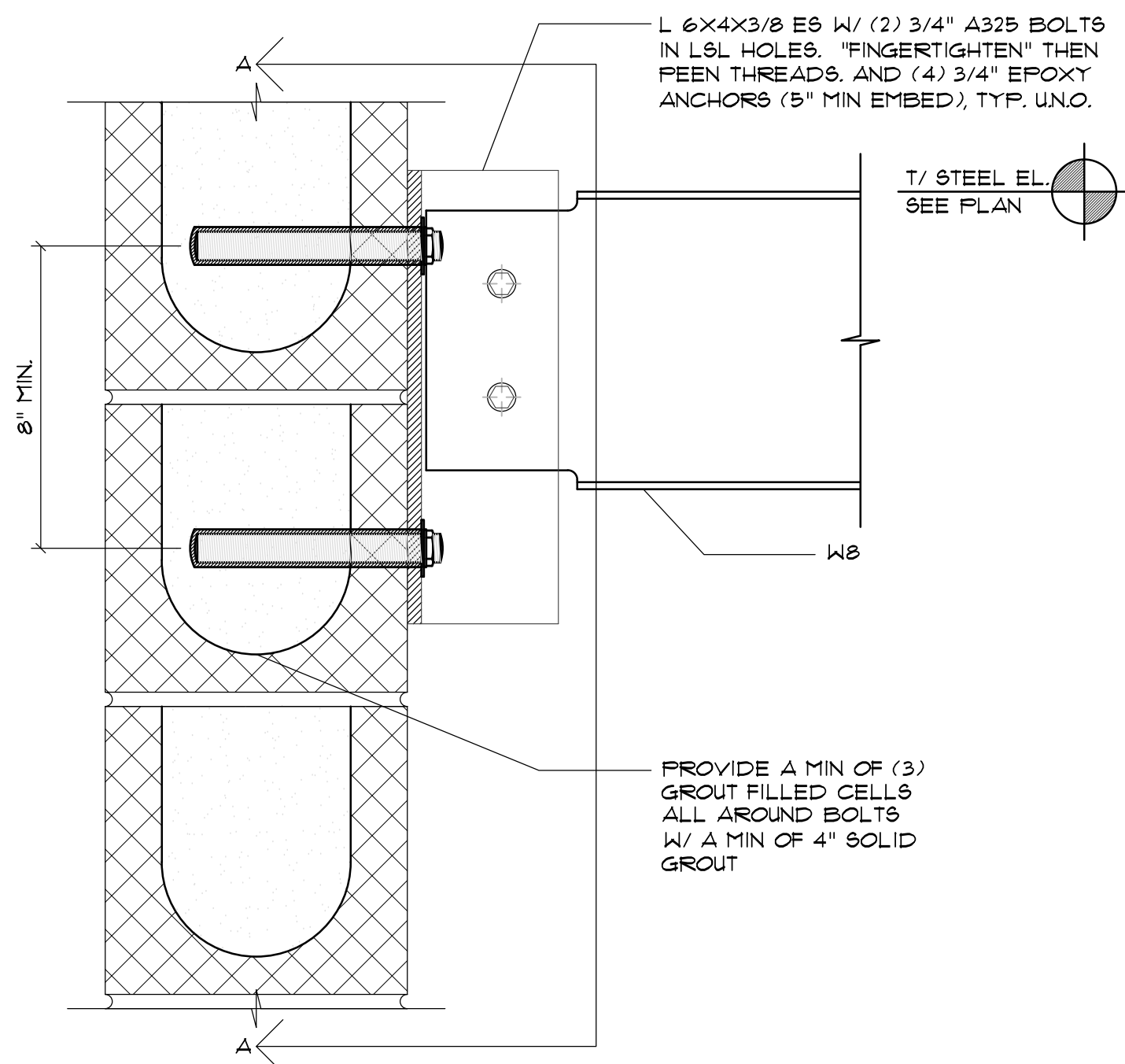
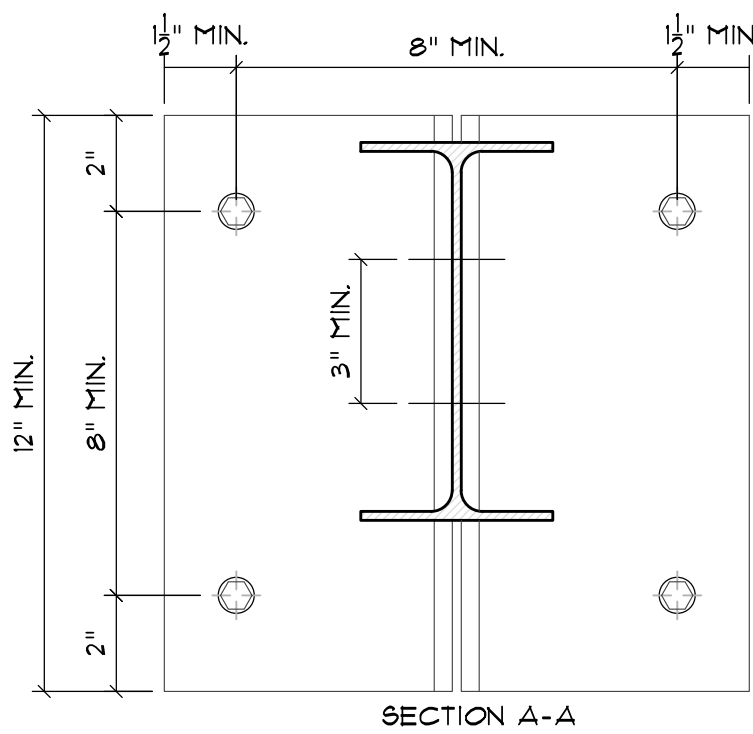
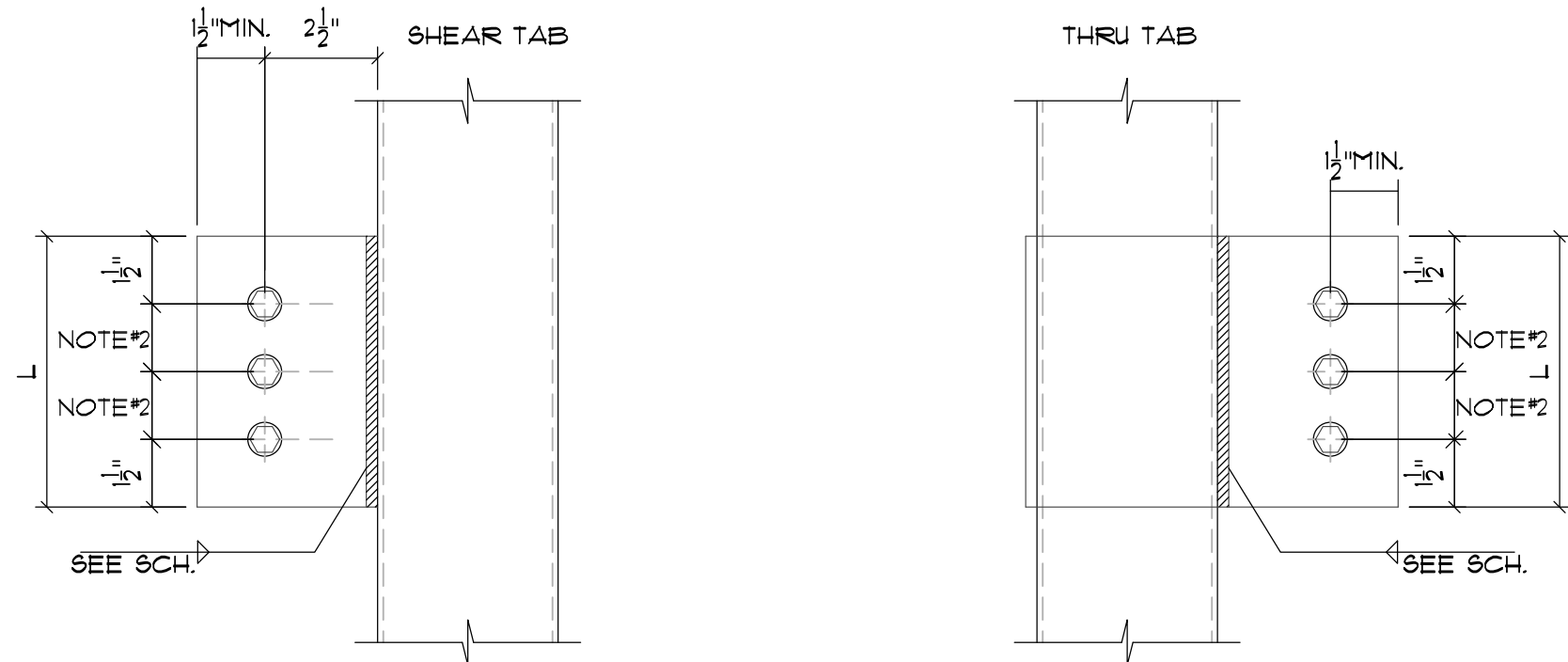
TYPICAL BEAM TO STL COL SHEAR CONNECTION

SCALE: 3" = 1'

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

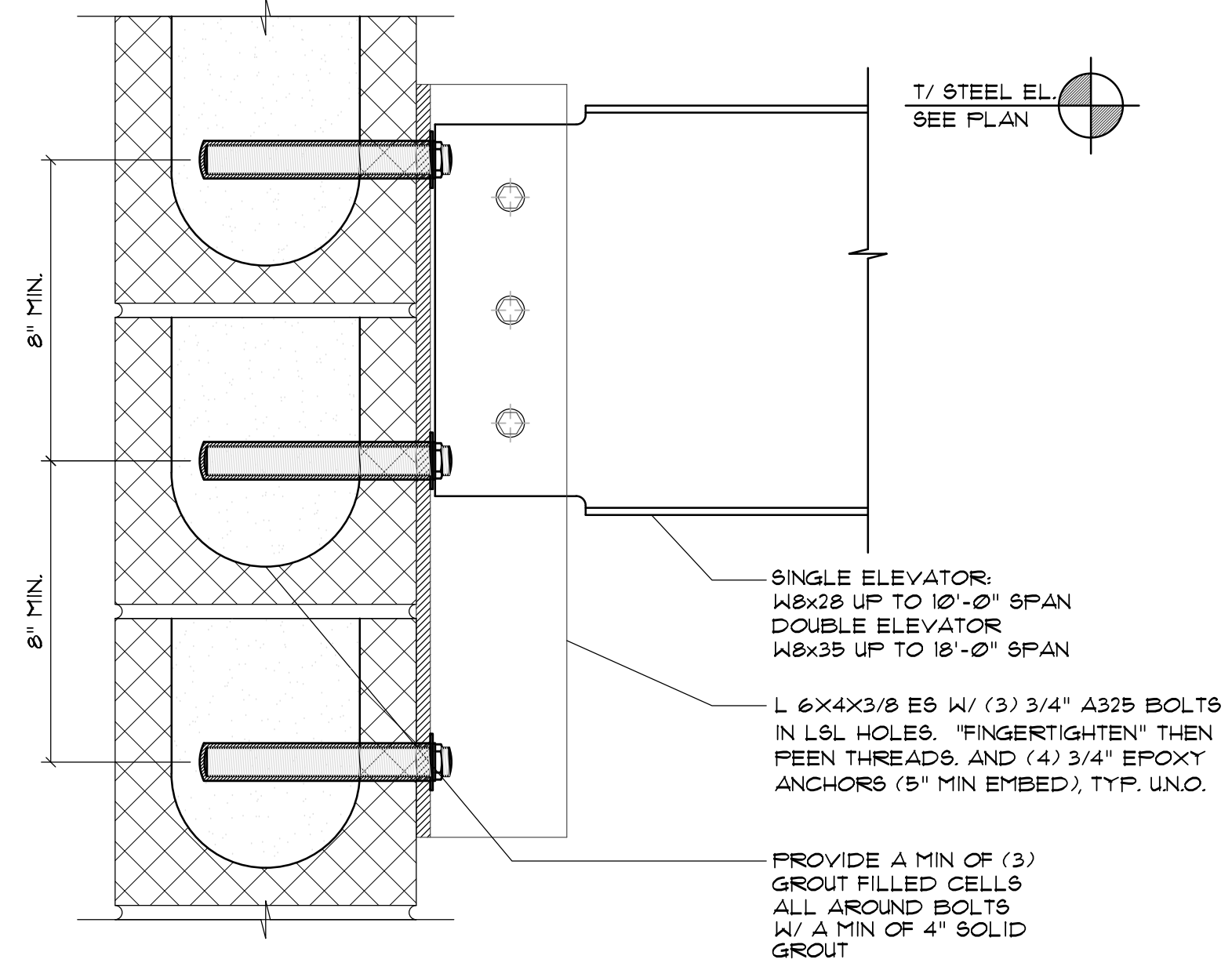
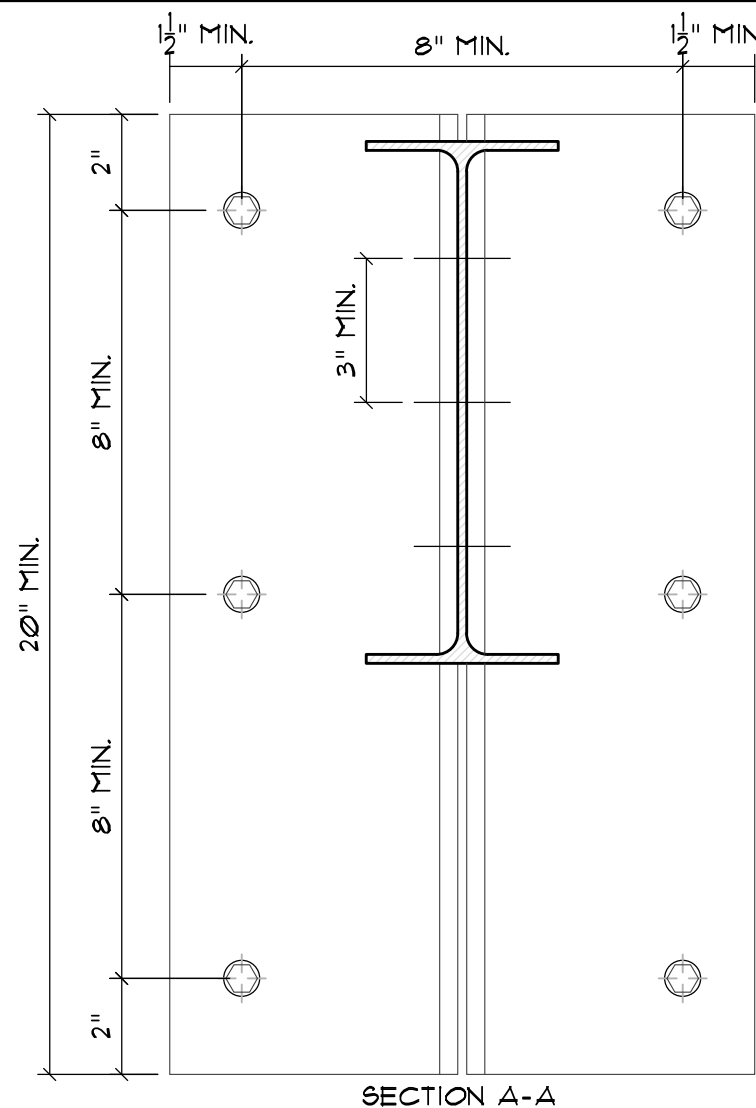
BEAM SIZE (SEE PLAN)	NO. OF A325-N BOLTS	SHEAR TAB / THRU-PLATE THICKNESS (36 KSI), IN.	FILLET WELD SIZE (E10XX), IN.	MAXIMUM ALLOWABLE END REACTION, KIPS	SHEAR TAB / THRU-PLATE LENGTH (L), IN.
W8, W10	(2) 3/4" BOLTS	5/16"	1/4"	8.2	6"
W12, W14	(3) 3/4" BOLTS	5/16"	1/4"	16.3	9"
W16, W18	(4) 3/4" BOLTS	5/16"	1/4"	26.1	12"
W21	(5) 3/4" BOLTS	3/8"	5/16"	36.3	15"
W24	(6) 3/4" BOLTS	3/8"	5/16"	46.3	18"
W27	(7) 3/4" BOLTS	3/8"	5/16"	56.4	21"

- NOTES:
- FOR BEAMS NOT SHOWN HEREIN, FABRICATOR SHALL DESIGN THE SHEAR CONNECTION BASED ON THE REACTION SHOWN ON THE PLAN.
 - SEE SCHEDULE ABOVE FOR NUMBER OF BOLTS (3"GA).
 - PROVIDE 13/16"x1 1/2" HORIZ SLOTS IN BEAM WEB.
 - BEAMS SHALL BE 50 KSI.
 - PROVIDE HORIZ SLOTS IN SHEAR PLATE.
 - PROVIDE HARDENED WASHER OVER SLOTTED HOLES.
 - BOLTS SHALL BE INSTALLED "SNUG-TIGHT".



TYPICAL ELEVATOR SPREADER BEAM

SCALE: 3" = 1'



TYPICAL ELEVATOR HOIST BEAM

SCALE: 3" = 1'

BELLÓN
ARCHITECTURE
ba

BELLON ARCHITECTURE, INC.
12930 S.W. 128 STREET
SUITE 203
MIAMI, FL 33186
T. (305) 278-7776
F. (305) 278-7473
WWW.BELLONARCHITECTURE.COM

ARCHITECTURE
LAND PLANNING
INTERIORS
CONSTRUCTION
MANAGEMENT

bennett&pless **lp**

BENNETT & PLESS INC.
JENNIFER ZABIK, P.E. S.E.
1024 N FULLERS CROSS ROAD
WINTER GARDEN, FL 34787
JZABIK@BENNETT-PLESS.COM
P-1294

SEALS

JENNIFER LYNN ZABIK
LICENSE
No. 68265
STATE OF FLORIDA
PROFESSIONAL ENGINEER
06/20/25

RAPID
BUILDINGS EAST

9000 WEST COLONIAL DR.
SUITE 401
OCFEE, FL 34761
PHONE: (407) 347-9614

INFO@
RAPIDBUILDINGSOLUTIONS.COM

JOB NUMBER:
RBE-040-25-CLE-FL

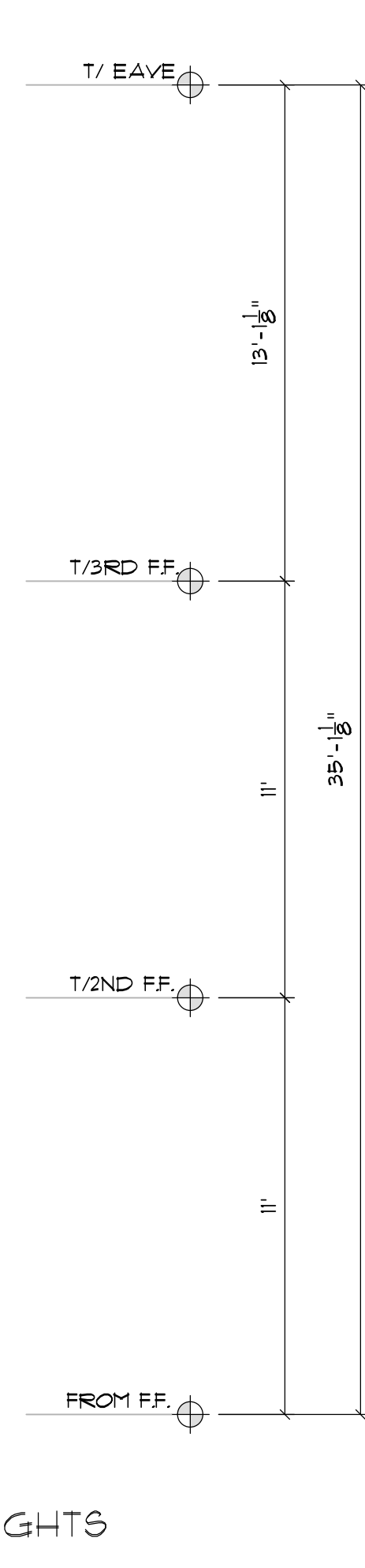
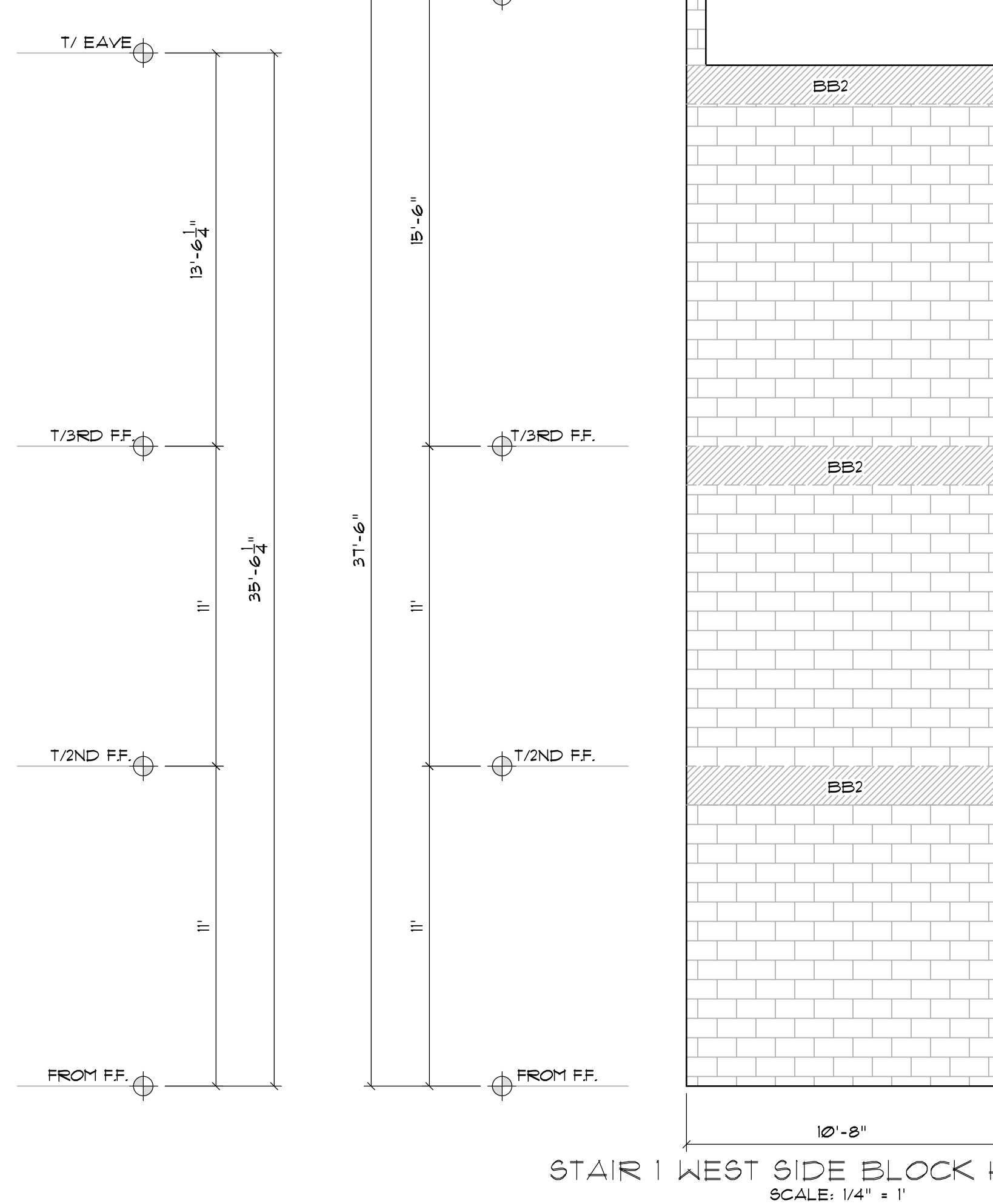
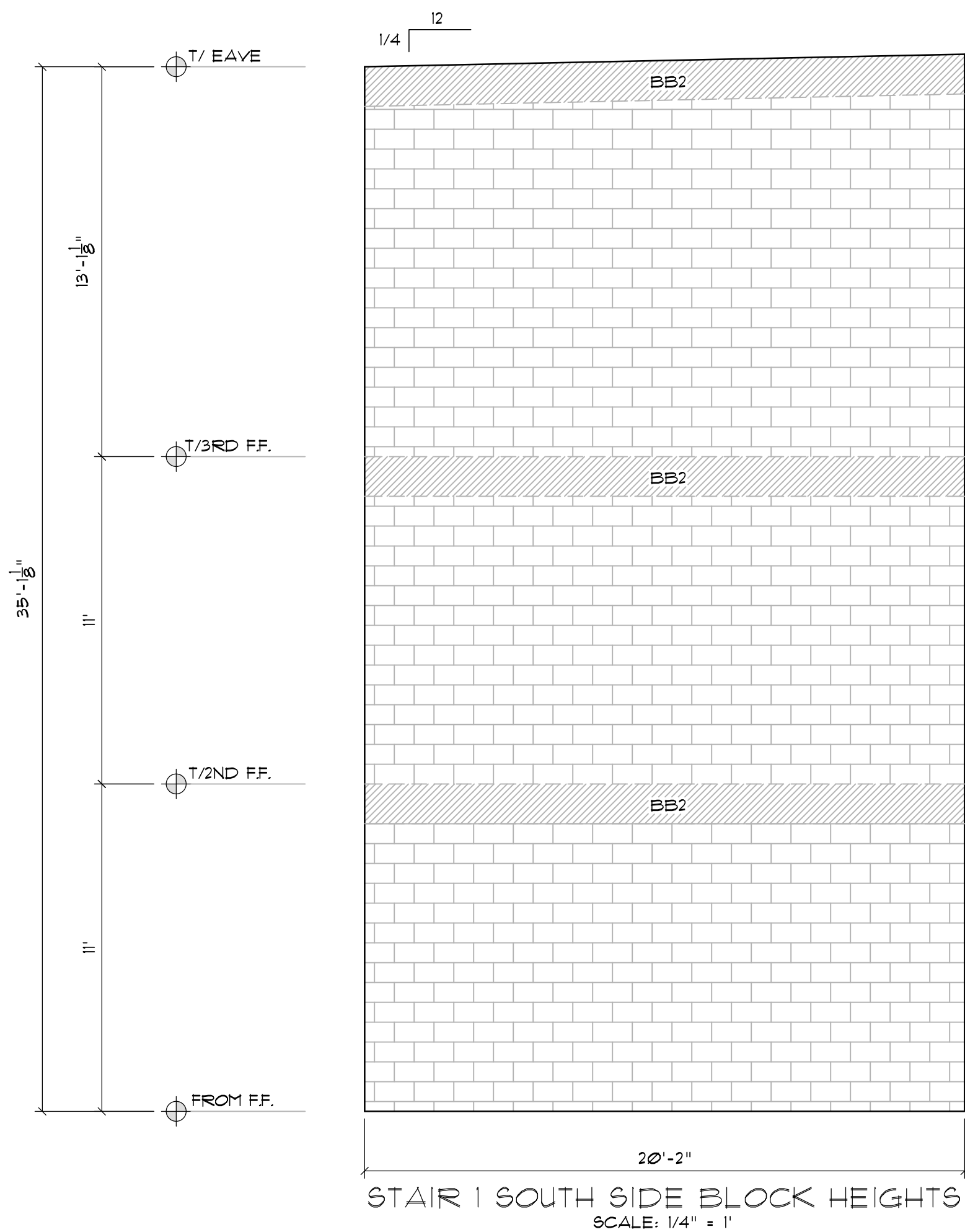
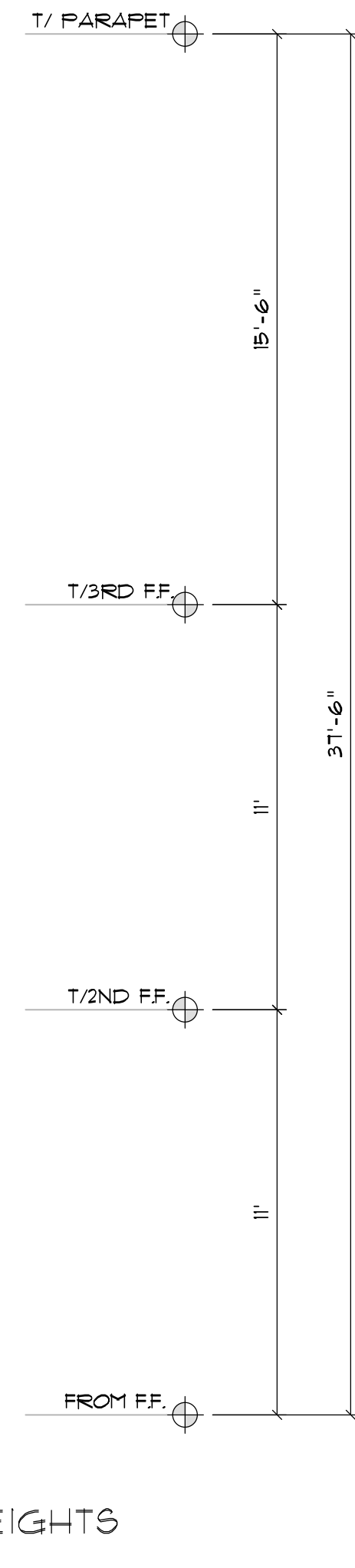
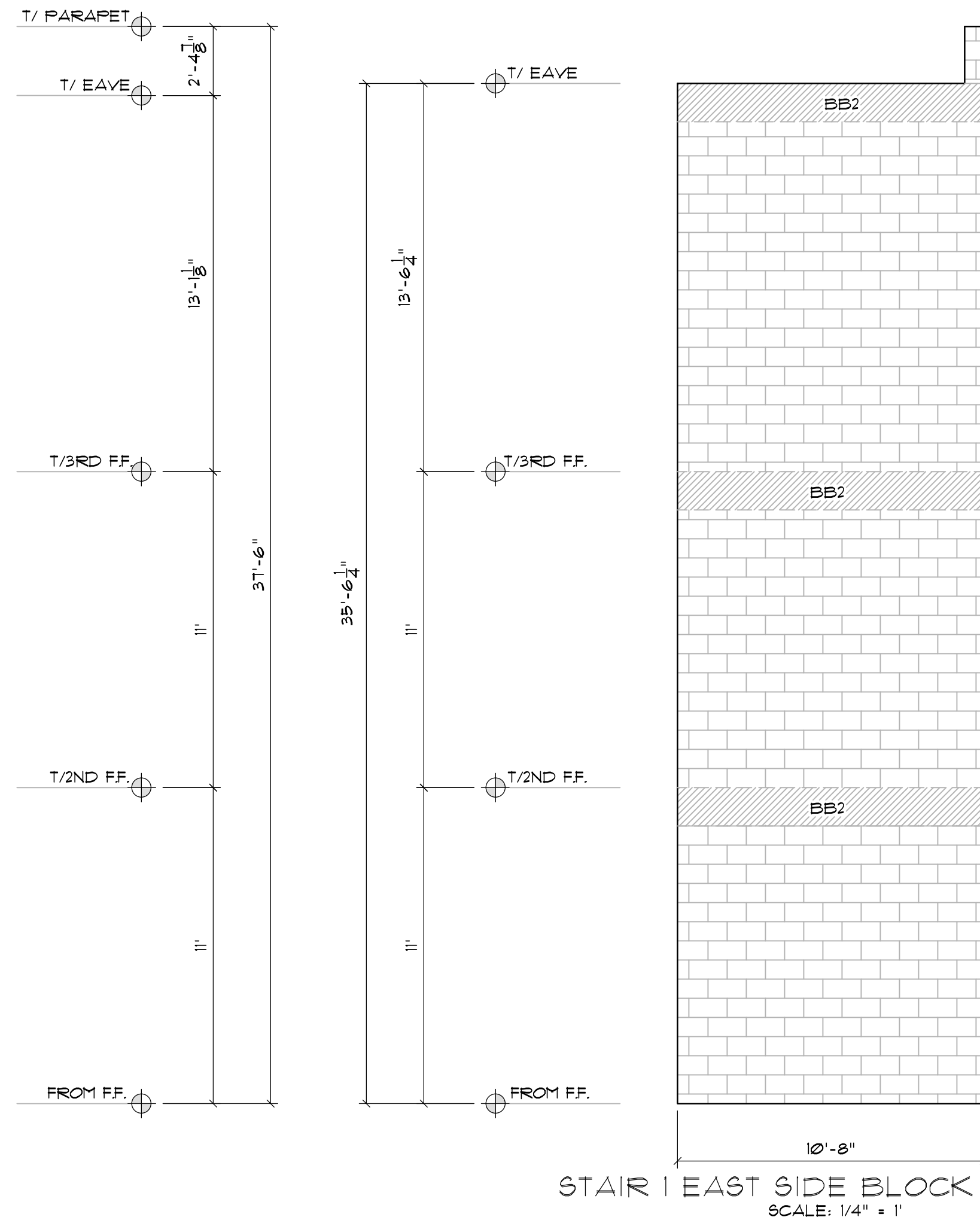
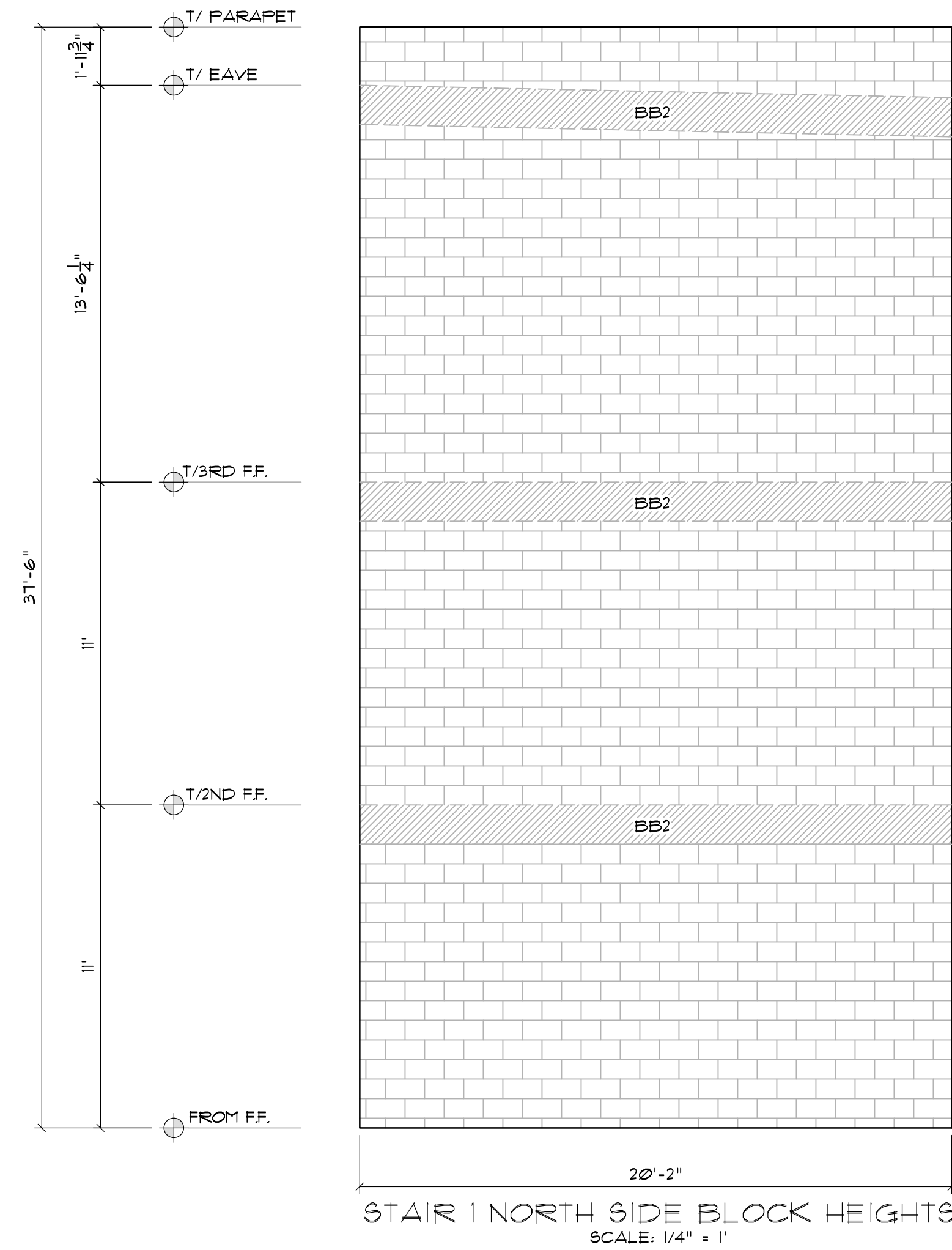
HOOKS ST. STORAGE
13125 HOOKS STREET
CLERMONT, FL. 34711

REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
Δ	05/28/25	RISER ROOM ADDED	DCH

SHEET TITLE

BLACK STEEL DETAILS

DATE 01-23-25
DESIGNED BY RBX
CHECKED BY DJM
DRAWN BY DJM
SCALE AS NOTED
SHEET



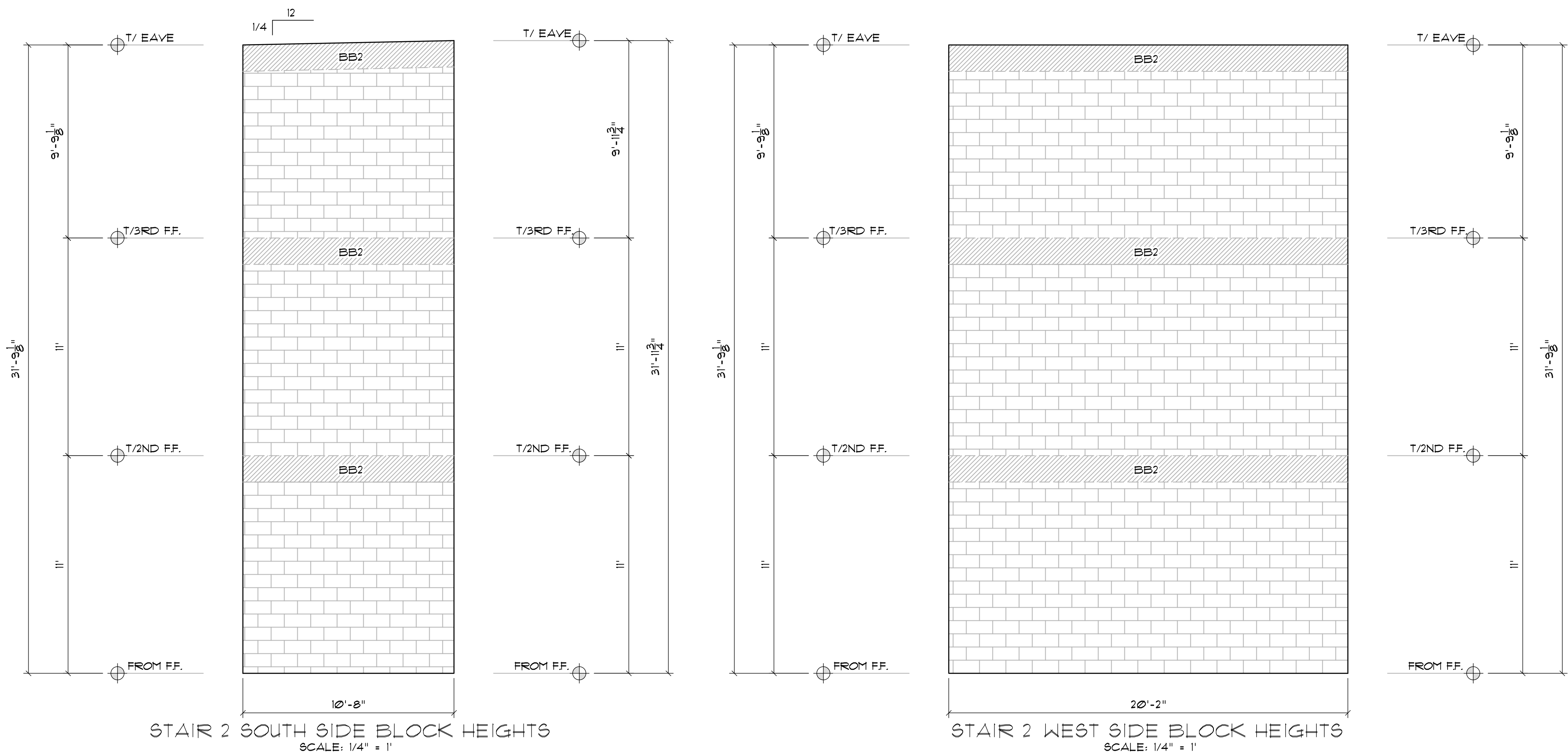
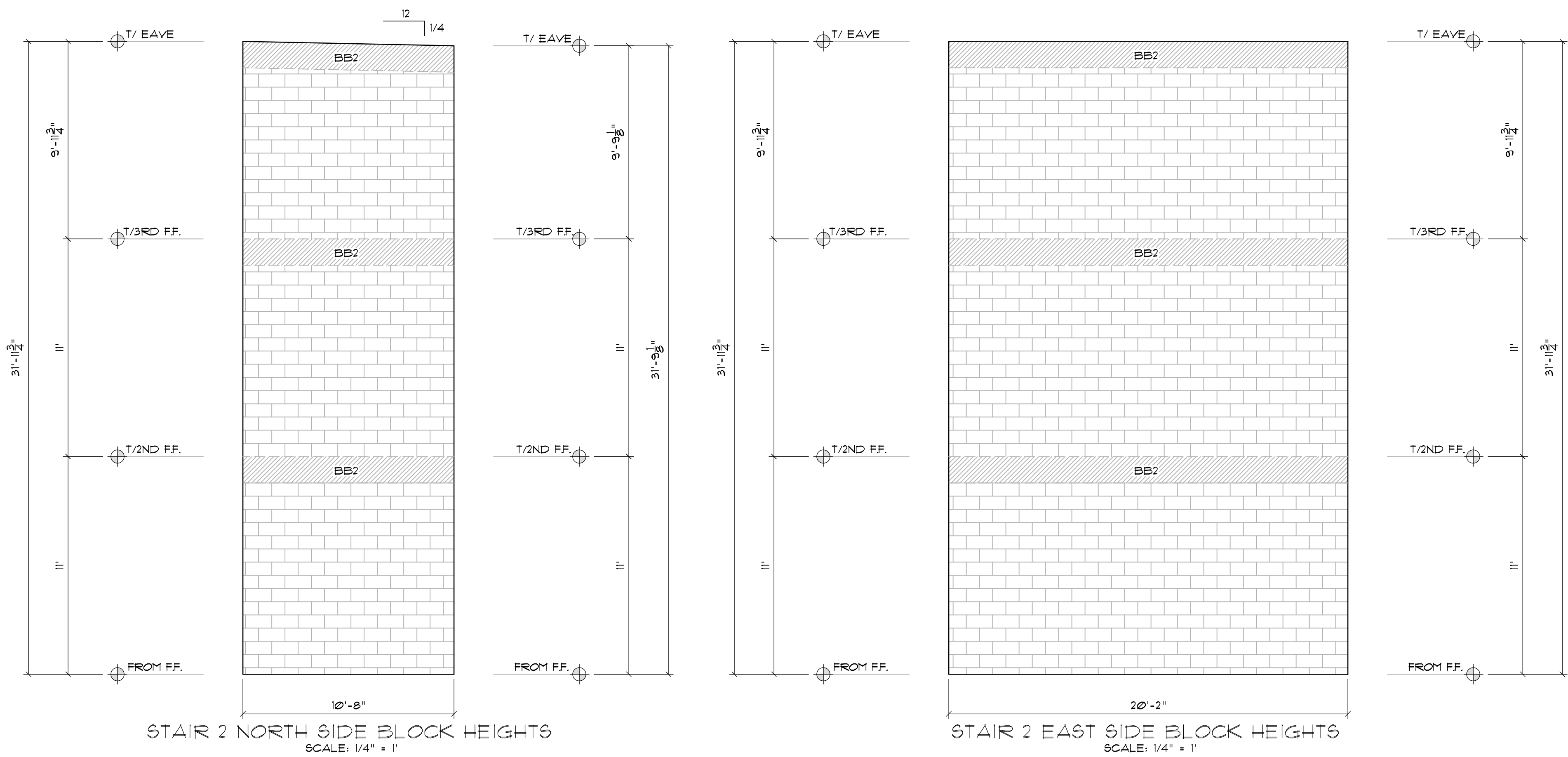
NOTE TO CONTRACTOR:
CMU BOND BEAM REQUIRED AT THIS LOCATION. BOND BEAM MUST BE FILLED WITH CONCRETE. MORTAR IS NOT ACCEPTABLE. IF BOND BEAM IS NOT PRESENT OR IS IMPROPERLY CONSTRUCTED THE METAL BUILDING COMPANY WILL NOT BE RESPONSIBLE FOR COSTS INCURRED BY USING ANOTHER ANCHOR SYSTEM OTHER THAN WHAT IS SPECIFIED ON THIS DETAIL. CONTRACTOR IS ALSO RESPONSIBLE FOR VERIFYING ALL MASONRY WALL HEIGHTS. THE METAL BUILDING COMPANY WILL NOT BE RESPONSIBLE FOR COSTS INCURRED DUE TO INCORRECT MASONRY WALL HEIGHTS OTHER THAN SPECIFIED ON OUR DRAWINGS.

REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
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SHEET TITLE

STAIR 1
CMU BLOCK HEIGHTS

DATE	01-23-25
DESIGNED BY	RBX
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	



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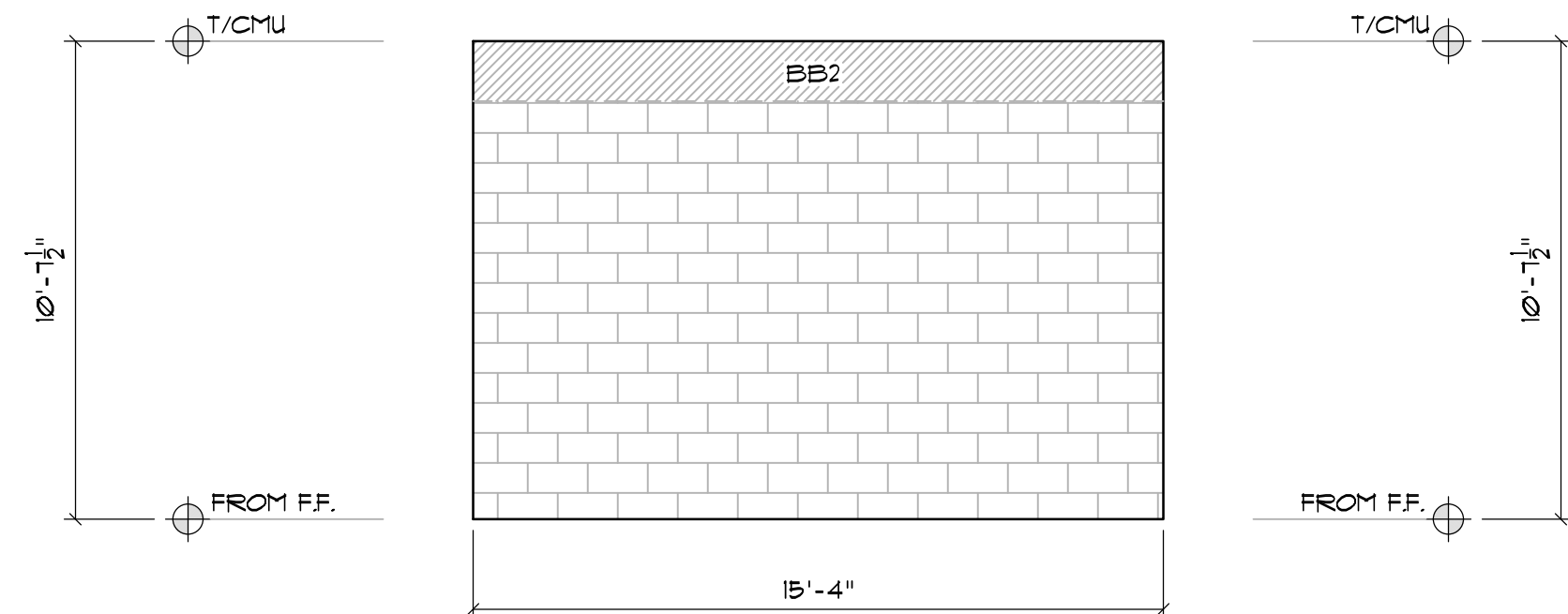
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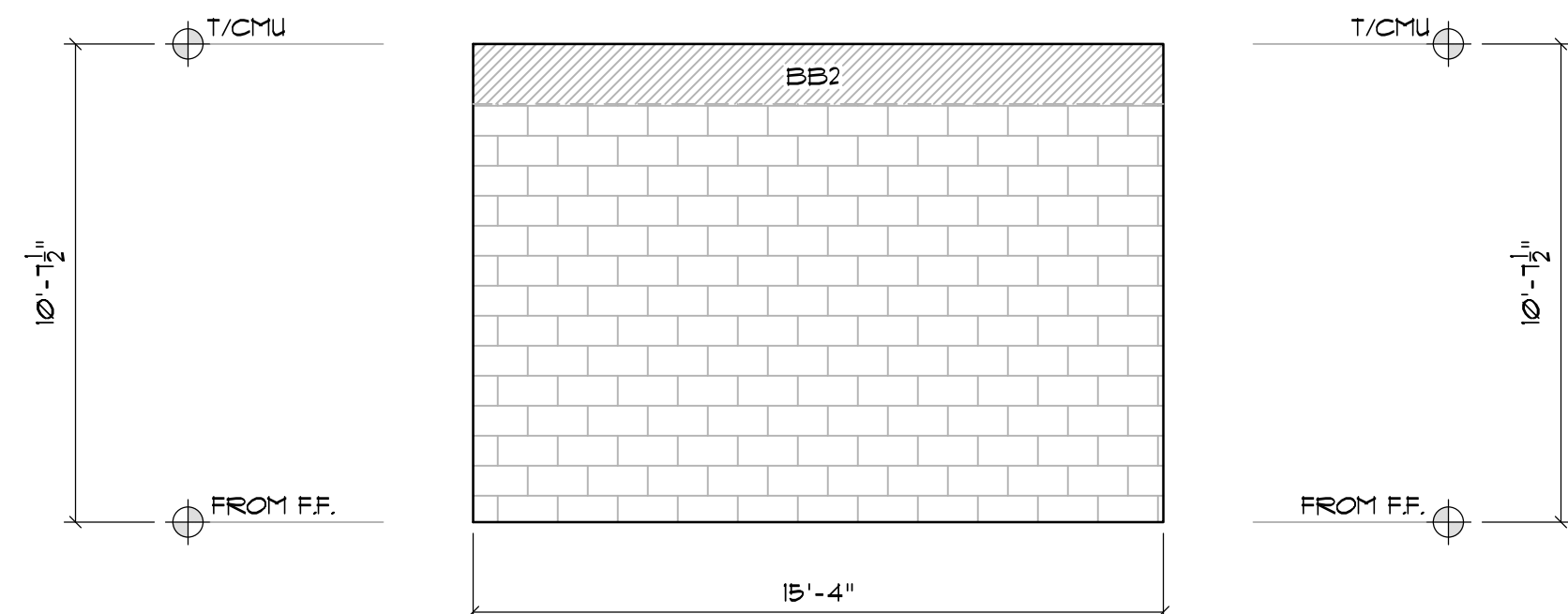
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CMU BLOCK HEIGHTS

DATE01-23-25
DESIGNED BYRBX
CHECKED BYDJM
DRAWN BYDJM
SCALEAS NOTED
SHEET

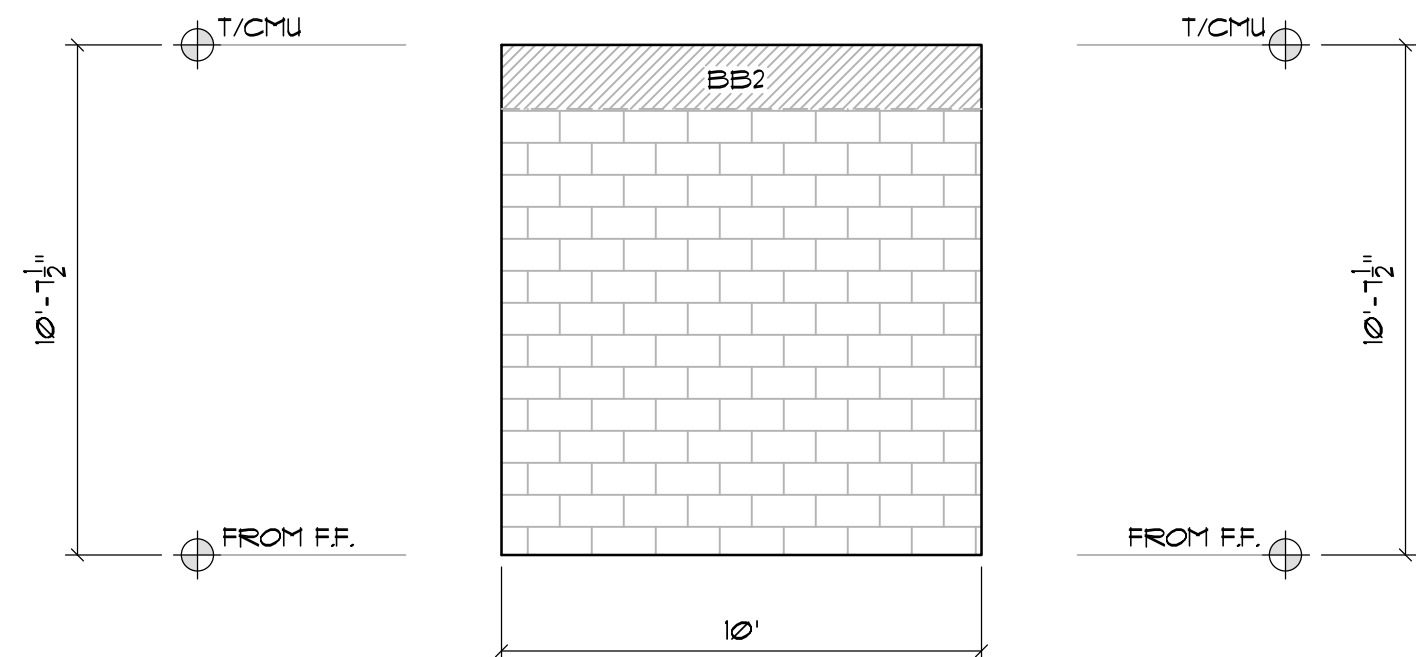
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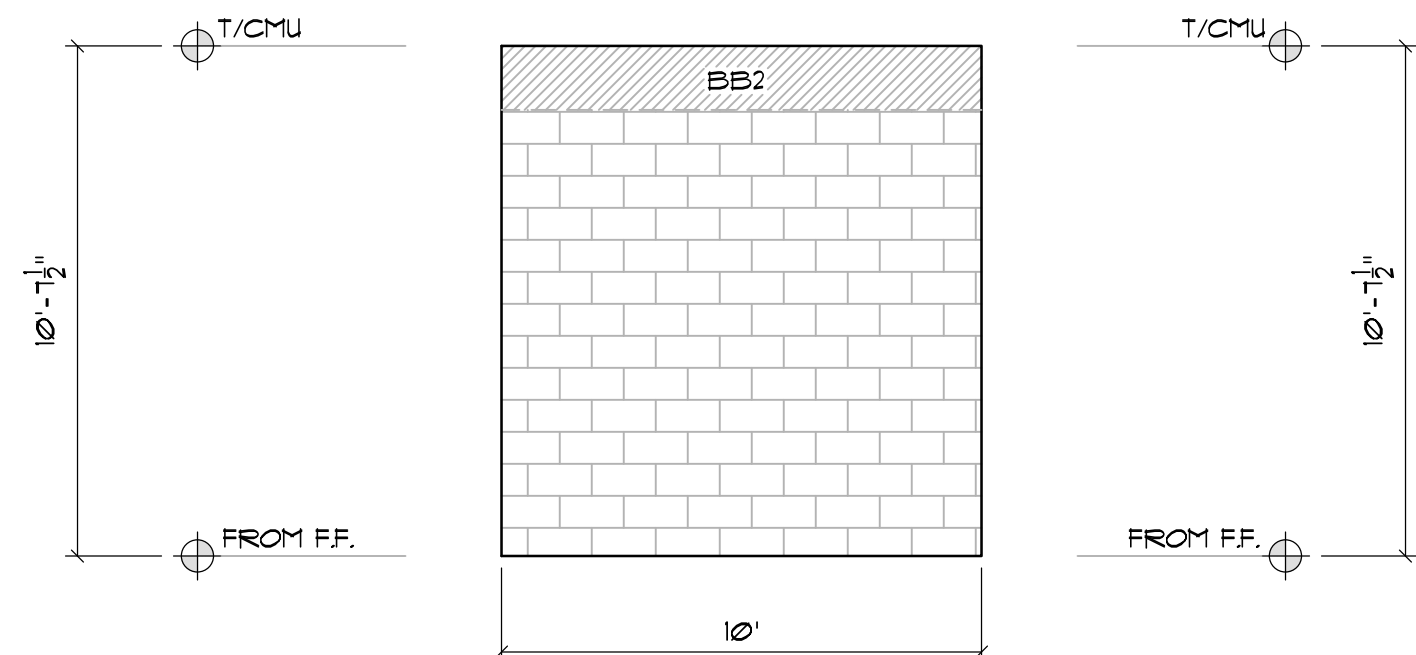
ELEC. ROOM NORTH SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'



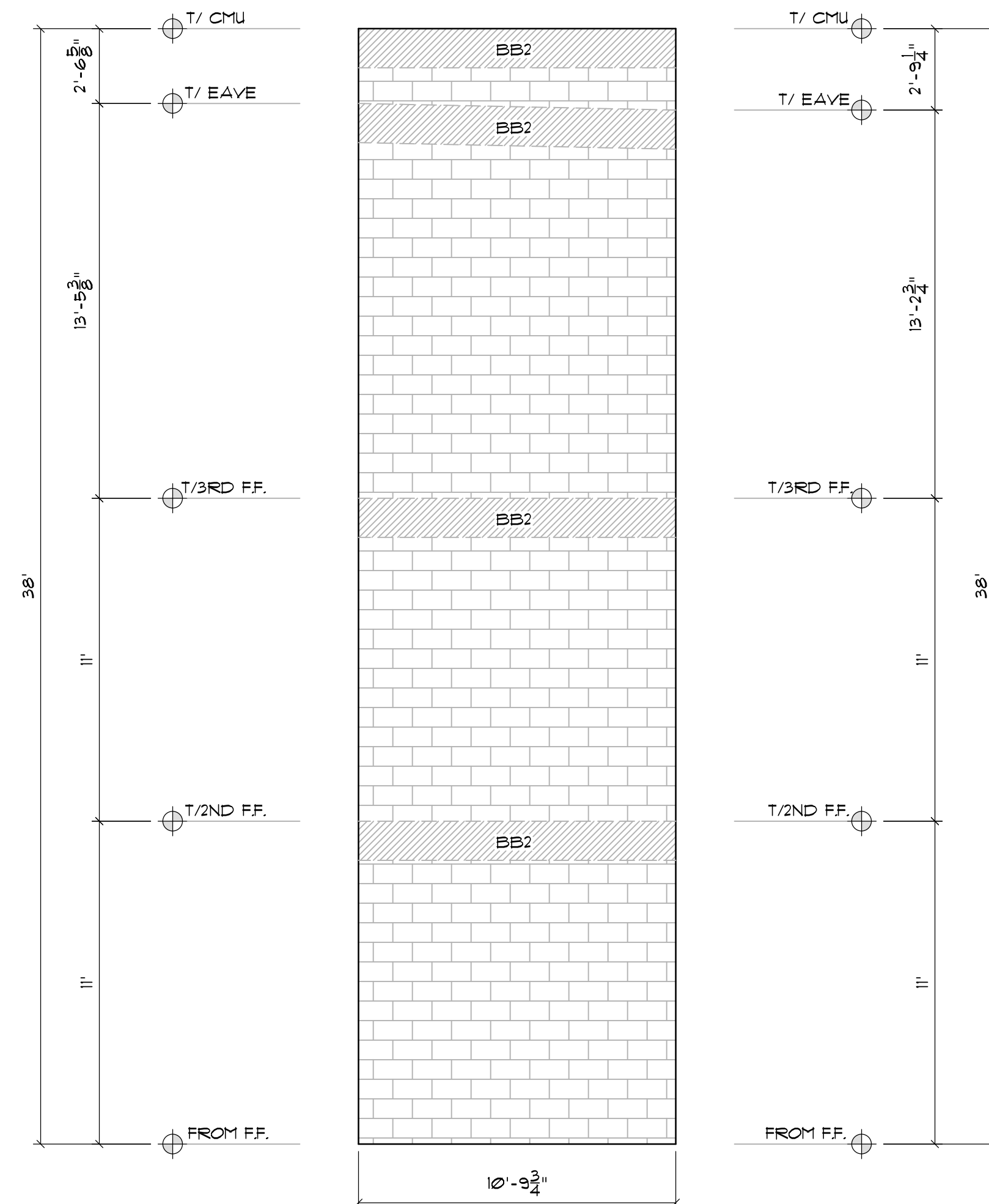
ELEC. ROOM SOUTH SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'



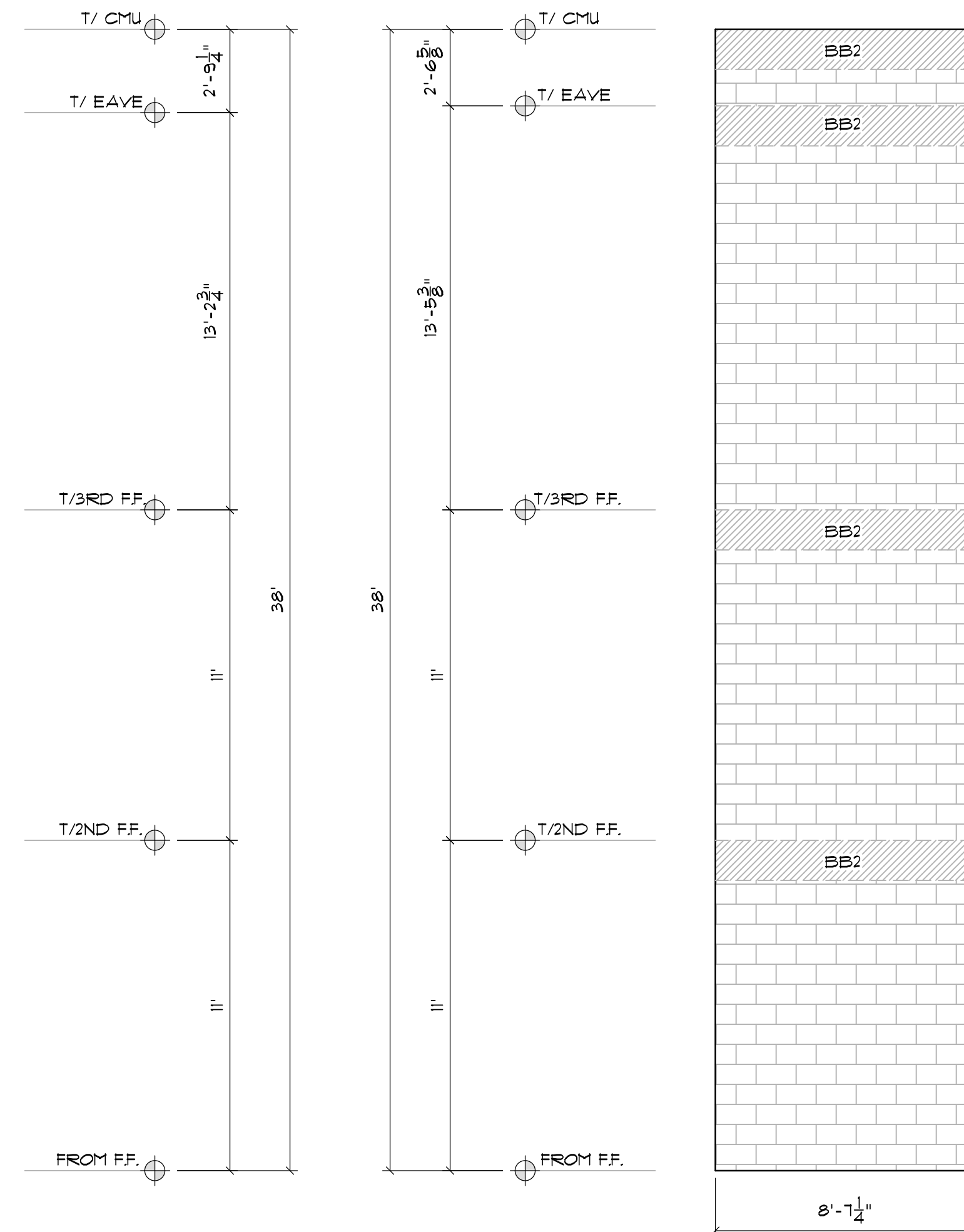
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SCALE: 1/4" = 1'



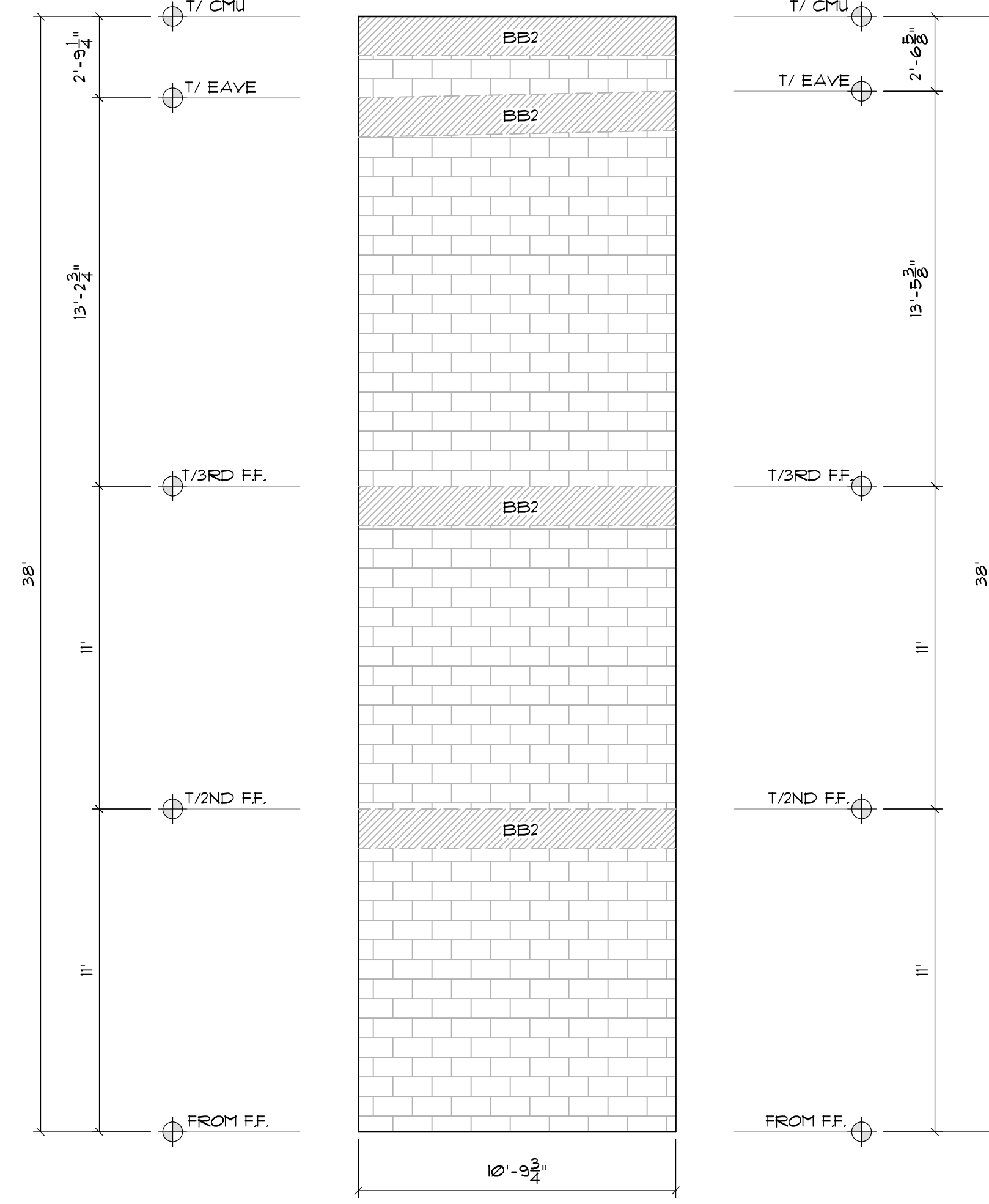
ELEC. ROOM WEST SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'



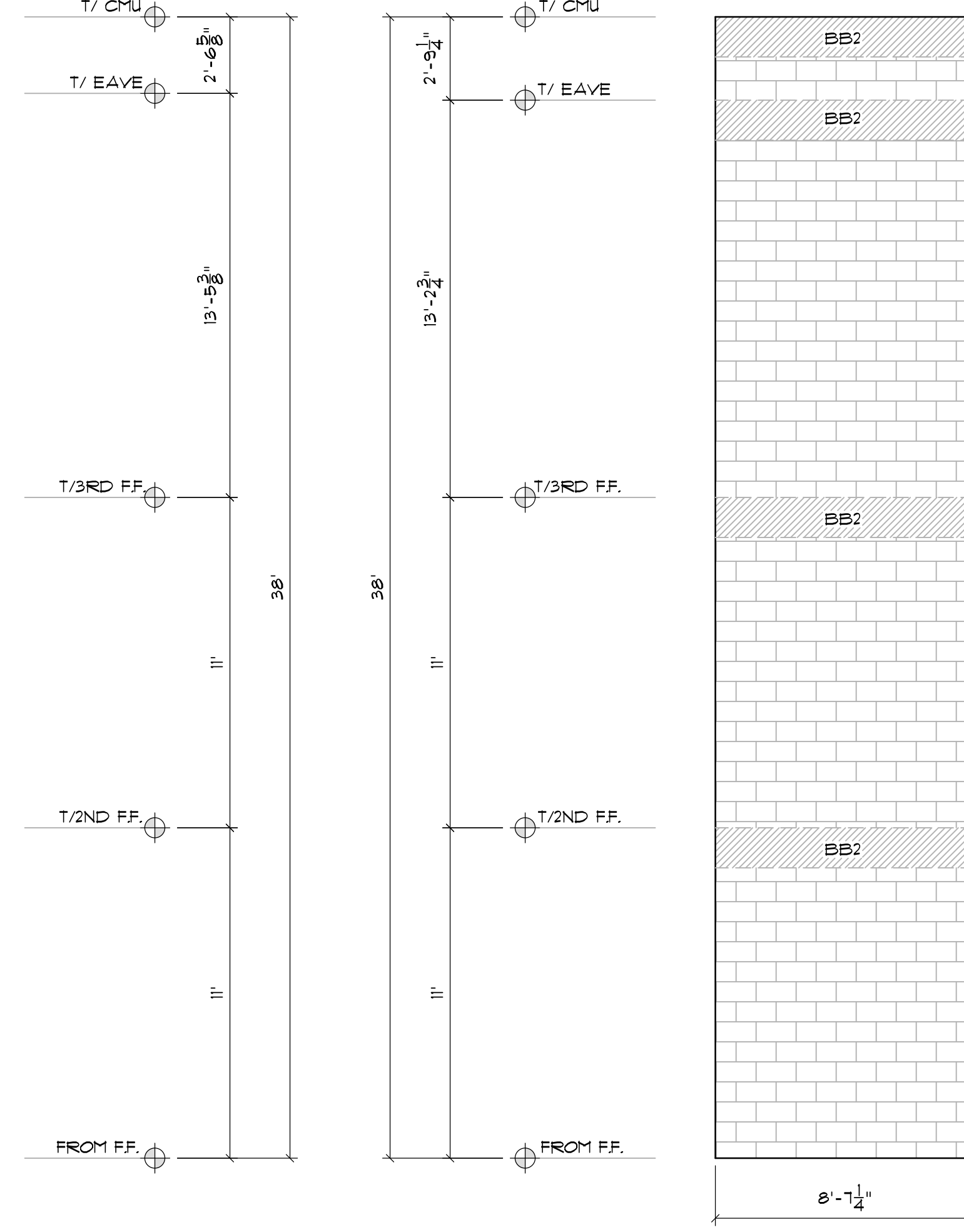
ELEVATOR 1 NORTH SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'



ELEVATOR 1 EAST SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'



ELEVATOR 1 SOUTH SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'



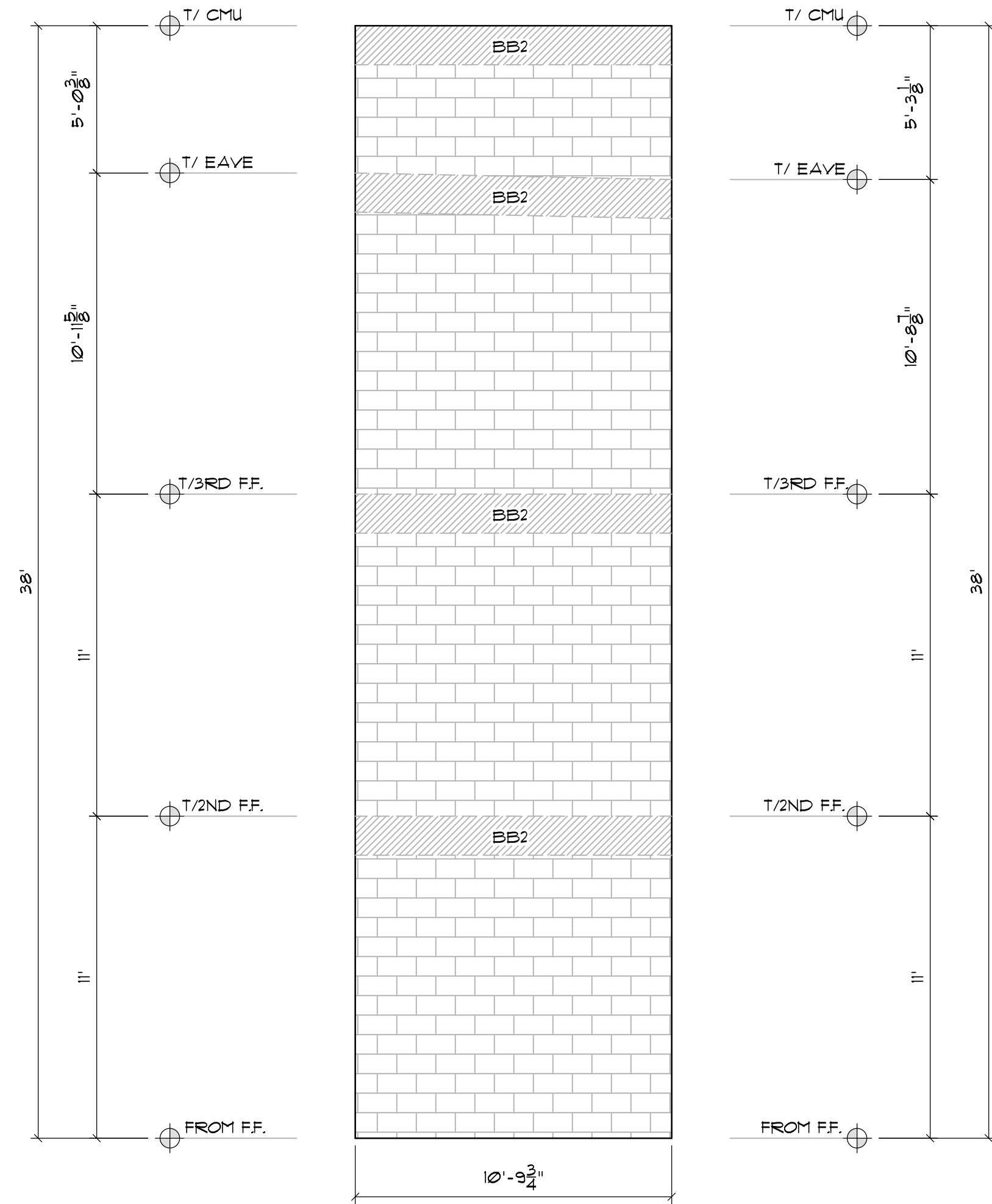
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SCALE: 1/4" = 1'

REV.	DATE	DESCRIPTION	BY
1	03/10/25	ELEVATION UPDATES	DJM
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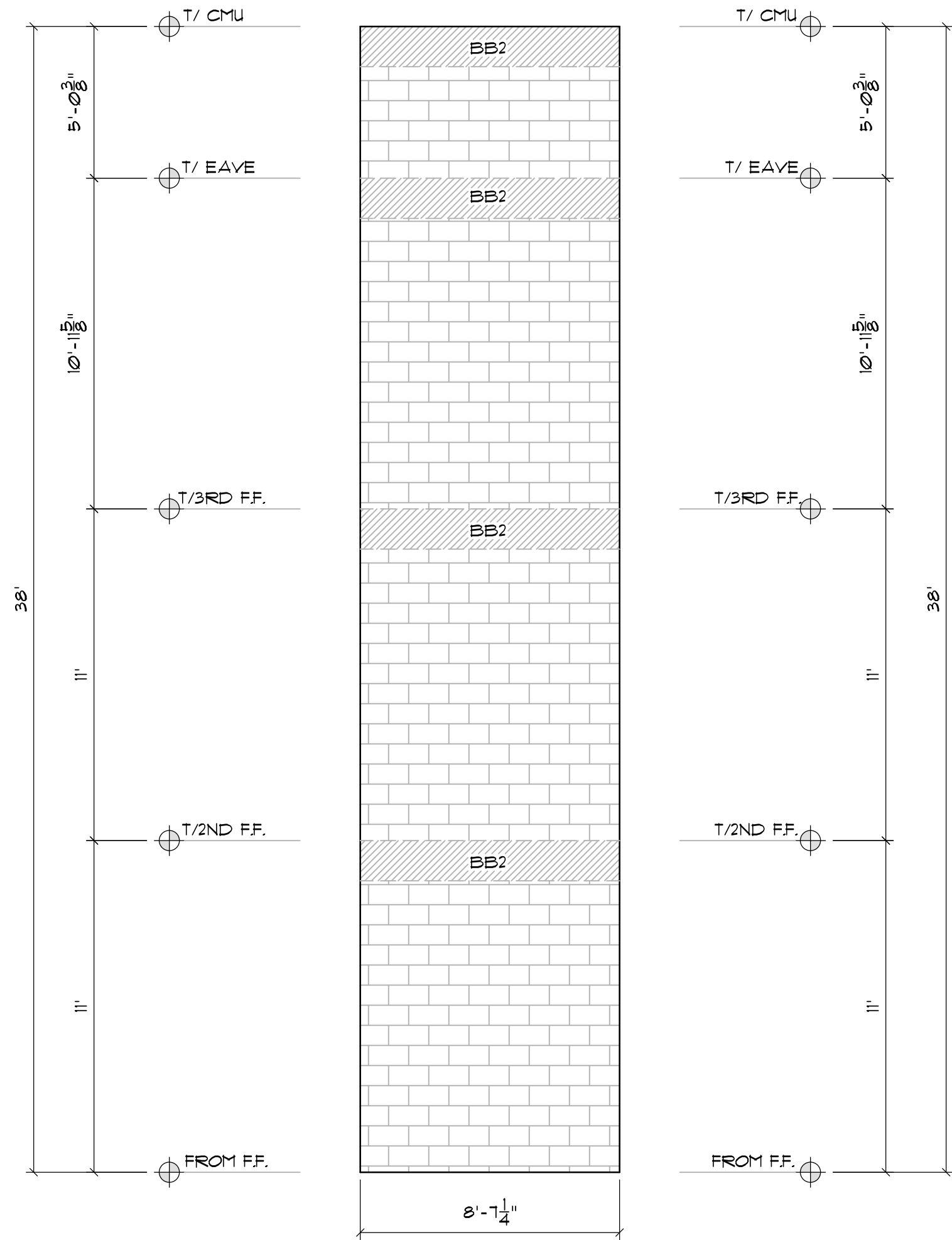
SHEET TITLE

ELEVATOR 1 & ELEC. RM.
CMU BLOCK HEIGHTS

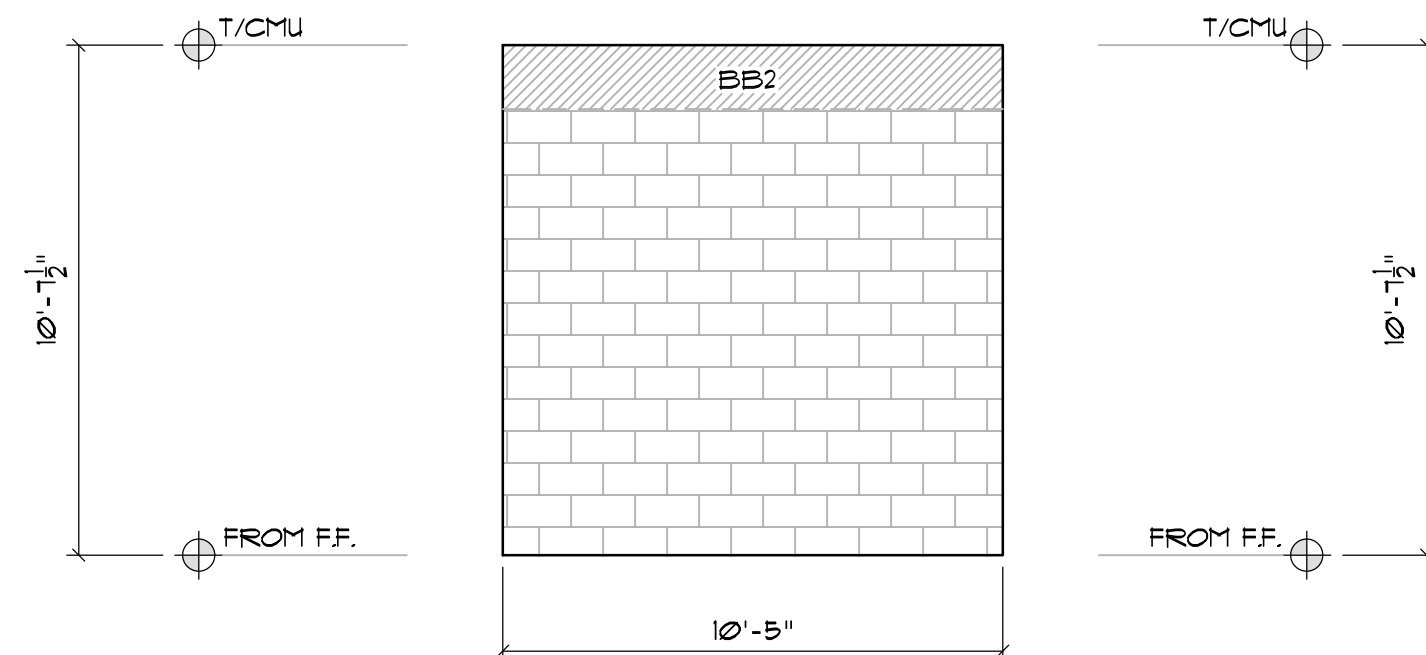
DATE	01-23-25
DESIGNED BY	RBX
CHECKED BY	DJM
DRAWN BY	DJM
SCALE	AS NOTED
SHEET	



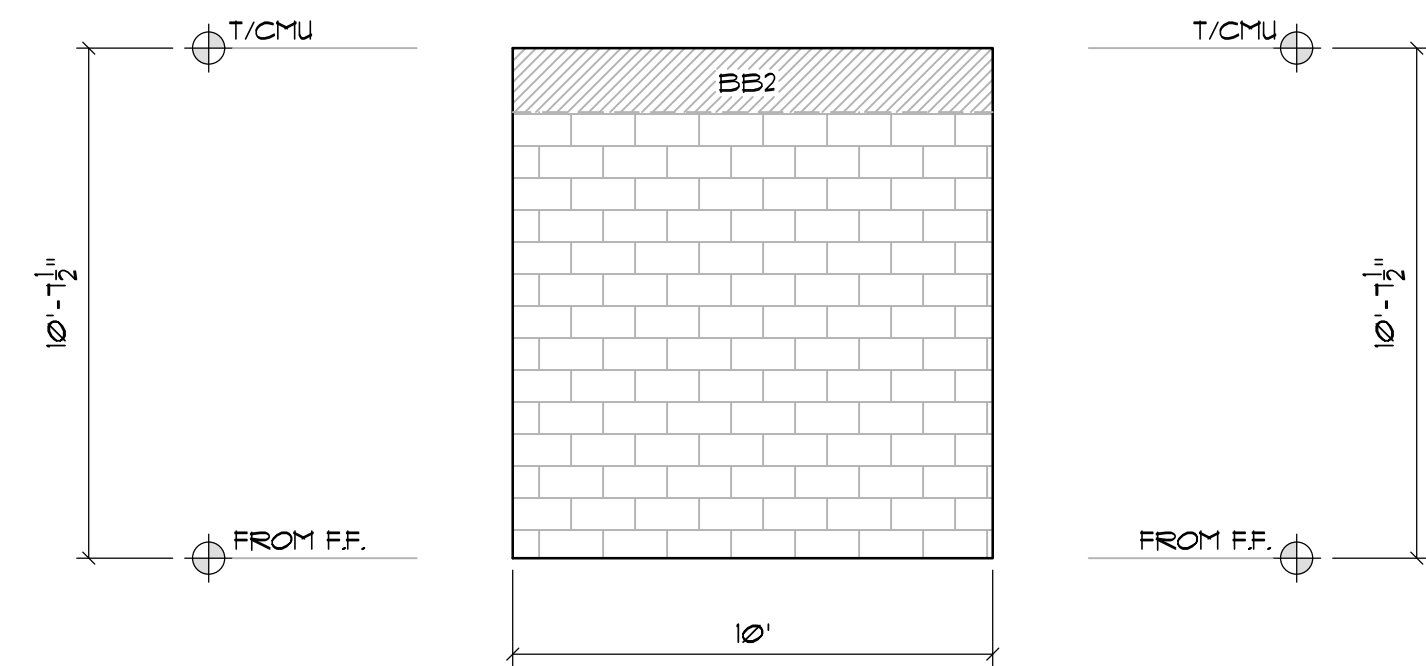
ELEVATOR 2 NORTH SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'



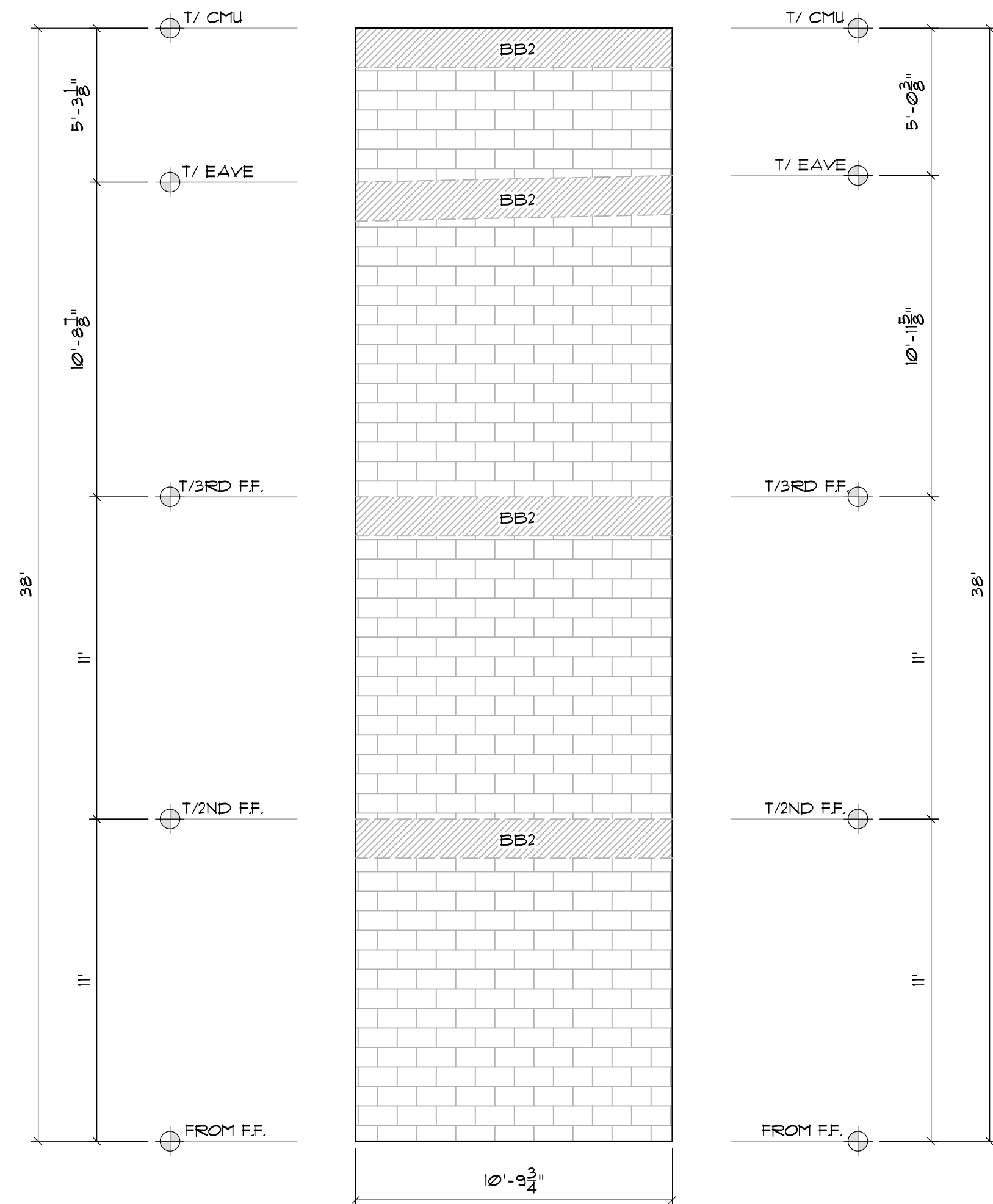
ELEVATOR 2 EAST SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'



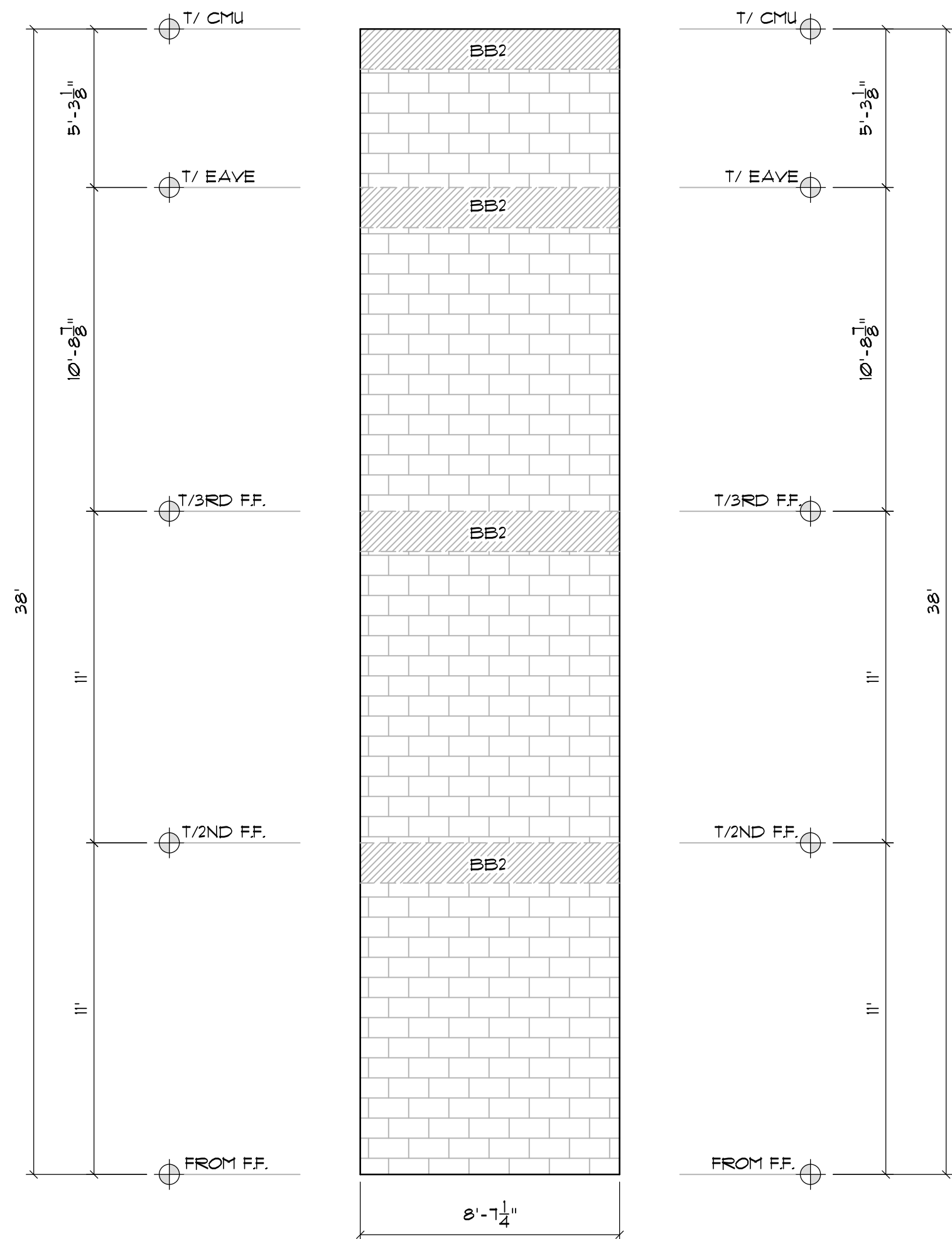
RISER ROOM NORTH SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'



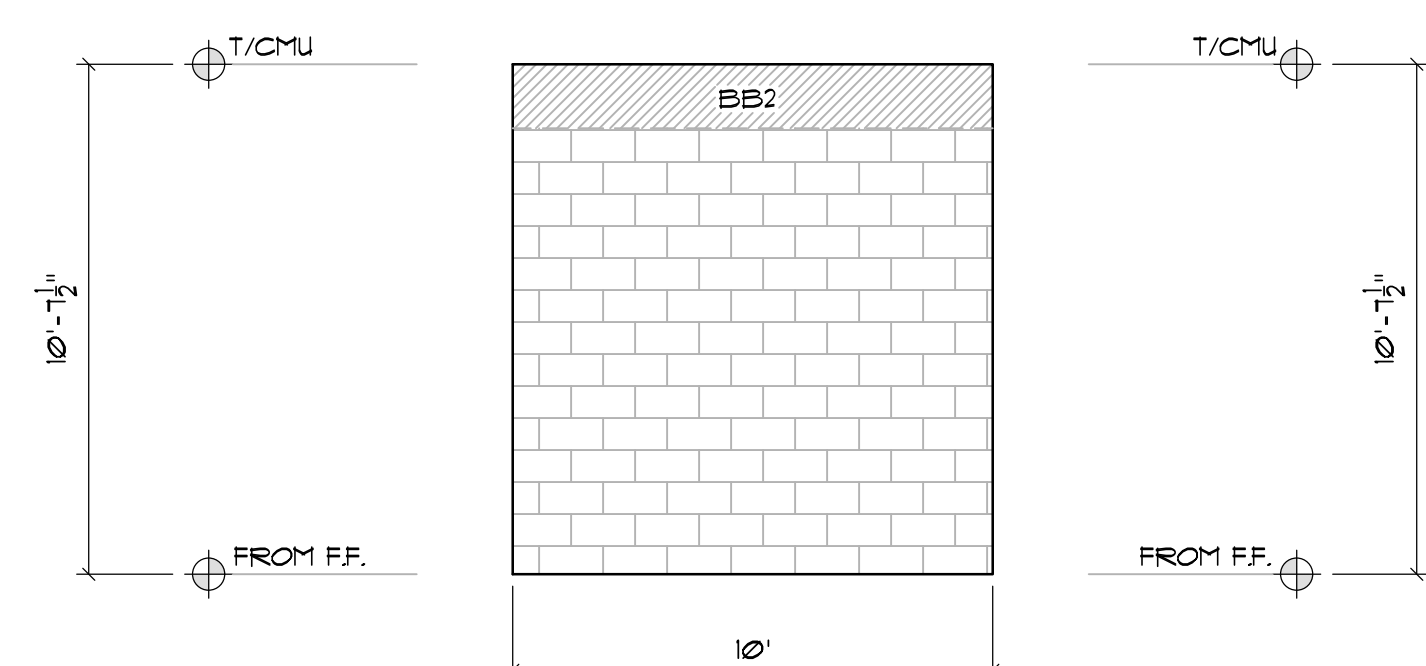
RISER ROOM EAST SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'



ELEVATOR 2 SOUTH SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'



ELEVATOR 2 WEST SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'



RISER ROOM WEST SIDE BLOCK HEIGHTS
SCALE: 1/4" = 1'

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SHEET TITLE

ELEVATOR 2
CMU BLOCK HEIGHTS

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