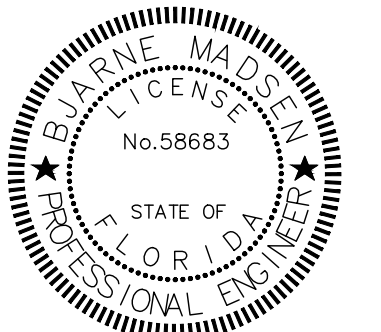


SEAL:



BLAINE MADSEN, P.E. PE 58683



1673 LAKE BALDWIN LANE
ORLANDO, FLORIDA 32814
PH. (407) 252-4225
LIC EB28029
PROJECT # IP24-20

LATEST SET (REV 4)
06/20/2025

NO DATE REMARKS
REVISIONS



7-ELEVEN
STORE #42641

SEC OF HWY 441
& JUNCTION RD
ZELLWOOD, FL 34787

PROJECT NO: 2024.0163
DATE: MARCH 26, 2025

SO.1

STRUCTURAL NOTES

CHECKED: BM DRAWN: RED

STRUCTURAL NOTES

CODES AND STANDARDS

1. WIND LOADS AS PER:

- A. FLORIDA BUILDING CODE 2023 EDITION, FOR A 139 MPH(ULT)/108 MPH(ASD) EXPOSURE C, 47-0.18 INTERNAL PRESSURE COEFFICIENT, 1.0 IMPORTANCE FACTOR, AND RISK CATEGORY II.
B. THIS BUILDING IS DESIGNED AS AN ENCLOSED BUILDING.

2. THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE:

- A. FLORIDA BUILDING CODE 2023 EDITION.
B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318/ 2019 EDITION).
C. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315/ LATEST EDITION).
D. MANUAL OF STANDARD PRACTICE FOR WELDING REINFORCING STEEL, INSERTS & CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION, AWS. D1.4/ 2018 EDITION.

3. ARCHITECTURAL AND MECHANICAL DRAWINGS:

- A. THE STRUCTURAL DRAWINGS ARE PART OF THE CONTRACT DOCUMENTS AND DO NOT BY THEMSELVES PROVIDE ALL THE INFORMATION REQUIRED TO PROPERLY COMPLETE THE PROJECT STRUCTURE. THE GENERAL CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND COORDINATE THE INFORMATION CONTAINED IN THESE DRAWINGS WITH THE STRUCTURAL DRAWINGS TO PROPERLY CONSTRUCT THE PROJECT.
B. REFER TO ARCHITECTURAL, MECHANICAL, OR ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS, DIMENSIONS, FINISHES, INSERTS, BOLTS SETTINGS, DRAINS, REGLETS, ETC.
C. BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS TO PROPERLY SIZE OR FIT THE WORK. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED BY THE OWNER RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT.
D. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH ANY WORK.
E. ALL STRUCTURES HAVE BEEN DESIGNED TO RESIST THE DESIGN LOADS LISTED ONLY AS COMPLETED STRUCTURES. THE GENERAL CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT WORK IN PROGRESS UNTIL THE STRUCTURES ARE COMPLETED. THE GENERAL CONTRACTOR SHALL ALSO INSURE THAT ITS OPERATIONS AND PROCEDURES PROVIDE NO LOADING GREATER THAN THE DESIGN LOADS LISTED ON ANY MEMBER.

4. SECTIONS AND DETAILS:

- ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE SHOWN.

SPECIALTY ENGINEERED PRODUCTS

1. THE GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE THE PROPER SUBMISSION OF SPECIALTY ENGINEERED SHOP DRAWINGS WHICH SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT THE SPECIALTY ENGINEERED SHOP DRAWINGS ARE SUBMITTED IN A TIMELY MANNER SO AS TO ALLOW REVIEW AND RESUBMISSIONS AS REQUIRED. ALL SPECIALTY ENGINEERED PRODUCTS SHALL BE DESIGNED FOR THE APPROPRIATE GRAVITY LOADS AND WIND LOADS INCLUDING UPLIFT AND LATERAL LOADS. INTERIOR SPECIALTY PRODUCTS SHALL BE DESIGNED FOR LATERAL LOADS TO ASSURE STABILITY. SPECIALTY ENGINEERED PRODUCTS SHALL BE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
A. LIGHT GAUGE METAL INCLUDING, BUT NOT LIMITED TO, SOFFITS, CLADDING, CEILING, ETC.
B. MISCELLANEOUS METALS INCLUDING STEEL STAIRS, MECHANICAL EQUIPMENT SUPPORTS, FRAMES THAT SUPPORT MACHINES, PIPES OR OTHER STRUCTURAL METAL USED FOR SUPPORT OF MECHANICAL SYSTEMS.
C. MISCELLANEOUS HANGERS, METAL FRAMES, LADDERS, RIGGING, HANGING WALLS, METAL RAILINGS, SAFETY RAILINGS, GLAZING FRAMES, CLADDING SUCH AS STONE, PRECAST, ALUMINUM, METAL PANELS, CABLE BARRIER SYSTEMS, ETC. OR ANY OTHER MISCELLANEOUS PRODUCT REQUIRED BY ANY OF THE CONSTRUCTION DOCUMENTS.

FOUNDATION

1. ALL SITE PREPARATION AND EXCAVATION WORK IS TO BE PERFORMED IN STRICT ACCORDANCE WITH THE:
A. GEOTECHNICAL REPORT PREPARED BY NOVA ENGINEERING AND ENVIRONMENTAL, LLC DATED MARCH 24, 2023 (PROJECT No. 10106-2023008).
2. THE BUILDING SITE SHOULD BE EXCAVATED TO THE DEPTH AND EXTENT INDICATED IN THE SOILS REPORT. ALL SUBGRADES SHALL BE APPROVED IN WRITING BY THE SOILS ENGINEER PRIOR TO BACKFILLING.
3. BOTTOM OF FOOTINGS TO BEAR ON SOIL CAPABLE OF SAFELY SUPPORTING 3000 PSF.
4. TOP OF ALL FOOTINGS SHALL BE MINIMUM 24" BELOW EXTERIOR FINISH GRADE.
5. EXCAVATION & BACKFILL:
A. ALL EXCAVATION SHALL BE KEPT DRY. EXCAVATE TO DEPTHS AND DIMENSIONS INDICATED. TAKE EVERY PRECAUTION TO GUARD AGAINST ANY MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES, UTILITIES, PIPING, ETC.
B. PROVIDE ANY BRACING OR SHORING NECESSARY TO AVOID SETTLEMENT OR DISPLACEMENT OF EXISTING FOUNDATION OR STRUCTURES.
6. CENTERLINE OF FOOTINGS SHALL COINCIDE WITH CENTERLINE OF COLUMNS AND WALLS UNLESS OTHERWISE NOTED ON DRAWINGS.
7. DIMENSIONS: ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE VERIFIED AND COORDINATED WITH THE ARCHITECTURAL DRAWINGS BY THE CONTRACTOR BEFORE PROCEEDING WITH THE CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER IN WRITING BEFORE PROCEEDING WITH ANY WORK.

CONCRETE

1. CONCRETE ELEMENTS TO HAVE THE FOLLOWING STRENGTHS:

- A. FOUNDATIONS 3000 PSI
B. SLAB-ON-GRADE 3000 PSI
C. BEAMS/COLUMNS 4000 PSI
ALL OTHER CONCRETE TO BE 3000 PSI UNLESS NOTED OTHERWISE.

2. ALL CONCRETE SHALL BE READY MIX AND MEET THE FOLLOWING REQUIREMENTS:

- A. A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS.
B. SLUMPS SHALL BE 4" MINIMUM AND 6" MAXIMUM.
C. CONCRETE SHALL HAVE 2 PERCENT AIR ENTRAINMENT.
D. ALL CONCRETE TO HAVE MAXIMUM WATER/CEMENT RATIO OF 0.55.
E. AGGREGATE WATER SHALL NOT BE ADDED.

3. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE, THE ACI DETAILING MANUAL (ACI 315/ LATEST EDITION), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 307/ LATEST EDITION).

4. SUBMIT ALL REINFORCING STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.

5. CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS REQUIRED BY ACI SPECIFICATIONS.

6. WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A 1064, UNLESS OTHERWISE SPECIFIED. PLACE FABRIC 2" CLEAR FROM TOP OF THE SLAB IN SLAB ON GRADE AND SUPPORT ON SLAB BOLSTERS SPACED AT 3'-0" O.C.

7. REQUIREMENTS:

- A. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO ASTM DESIGNATION A 615 GRADE 60.
B. WWF SHALL COMPLY WITH ASTM A 1064.
C. WELDABLE REINFORCING STEEL SHALL COMPLY WITH ASTM A 706.

8. LAP ALL BARS MINIMUM 48 DIAMETERS UNLESS OTHERWISE NOTED ON DRAWINGS. LAP ALL WWF A MINIMUM OF 12 INCHES UNLESS OTHERWISE NOTED.

9. REINFORCING BARS:

- A. ALL HOOKS SHOWN IN REINFORCEMENT SHALL BE ACI RECOMMENDED HOOKS UNLESS OTHERWISE NOTED.
10. CONSTRUCTION JOINTS IN STRUCTURAL SLABS AND BEAMS SHALL BE AT MID-SPAN AND KEY JOINTED WITH REINFORCING CONTINUOUS ACROSS JOINT AND ADDITIONAL SHEAR FRICION REINFORCING. CONSTRUCTION JOINT LOCATIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. CONSTRUCTION JOINTS IN POST-TENSION SLABS SHALL BE LOCATED AND DESIGNED BY SPECIALTY ENGINEER.

11. ALL MECHANICAL COUPLERS SHALL DEVELOP 1.25 F_y OF REBAR IN TENSION OR COMPRESSION AND COMPLY WITH ACI 318.

MASONRY

1. MASONRY UNITS SHALL BE:

- A. LOAD BEARING ASTM C 90
B. TYPE II NON-MOISTURE CONTROLLED
C. NORMAL WEIGHT
D. ALL CMU SHALL BE LAID IN A FULL BED OF MORTAR IN RUNNING BOND (U.N.O.).

2. THE COMPRESSIVE STRENGTH OF MASONRY (F_m) SHALL BE 1,500 PSI AS CALCULATED IN ACCORDANCE WITH ASTM C1314.

3. ALL MORTAR SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATION C270

4. FROM FIELD OBTAINED TEST CUBES. (MIN. OF TWO)

5. GROUT SHALL BE A HIGH SLUMP MIX

A. IN ACCORDANCE WITH ASTM SPECIFICATION C476

B. HAVING A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI

C. FROM FIELD OBTAINED TEST CUBES. (MIN. OF TWO)

6. ALL CONCRETE MASONRY BEARING AND SHEAR WALLS SHALL BE

A. INSPECTED BY A CERTIFIED INSPECTION COMPANY AND CONSTRUCTED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENT FOR MASONRY STRUCTURES" (TMS 402) AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (TMS 602)/ 2016 EDITIONS.

7. PROVIDE 8" x 8" MASONRY BEAM WITH 2 #5 CONT. AT EVERY WINDOW SILL. EXTEND BEAM 8" BEYOND EDGE OF OPENING.

8. PROVIDE HOT DIPPED GALVANIZED LADDER TYPE HORIZONTAL JOINT REINFORCEMENT (9 GA.) AT 16" ON CENTER VERTICAL IN ALL MASONRY WALLS. PROVIDE DOVE TAIL SLOT ANCHORS AT CONCRETE COLUMNS.

FOR JOINT REINFORCEMENT, WALL TIES, ANCHORS AND INSERTS, APPLY A MINIMUM COAT OF 1.5 OUNCES PER SQUARE FOOT (PSF) (#58/G/M2) COMPLY WITH THE REQUIREMENTS OF ASTM A153, CLASS B.

9. EPOXY GROUT SHALL BE NON-SHRINK HIGH CREEP RESISTANT, AND SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE PROPERTIES:

- TENSILE STRENGTH, ASTM C 30: 1,500 PSI
FLEXURAL STRENGTH, ASTM C 580: 4,000 PSI
COMPRESSIVE STRENGTH, ASTM C 578: 1,600 PSI/7 DAYS.

10. MINIMUM LAP SPLICES FOR REINFORCED CMU (WITH F_m = 1,500 PSI):

CMU SIZE	#4	#5	#6	#7	#8	#9
8"	25"	31"	36"	42"	48"	NOTE A

A. NOT ALLOWED. MAXIMUM BAR DIAMETER SHALL NOT EXCEED ONE-EIGHTH OF NOMINAL WALL THICKNESS.

B. REINFORCING BARS LARGER THAN #9 SHALL BE SPLICED USING MECHANICAL CONNECTORS.

C. SCHEDULE IS ONLY FOR BARS CENTERED IN THE WALL. ALL EACH FACE REINFORCING BARS SHALL BE SPLICED.

STEEL

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC CODE. STRUCTURAL STEEL SHALL CONFORM TO:

- A. ASTM SPECIFICATION A 992 GRADE 50 FOR ALL WIDE FLANGE BEAMS.
B. ASTM SPECIFICATION A 36 FOR MISCELLANEOUS STEEL SHAPES (ANGLES, PLATES, ETC.).
C. SQUARE OR RECTANGULAR HSS SHALL CONFORM TO ASTM SPECIFICATION A 1085 GRADE A (F_y=60 KSI).

D. ALL STEEL TO HAVE A SHOP COAT OF RUST INHIBITIVE PAINT.

E. DELETE PAINT ON ALL STEEL TO RECEIVE SPRAYED ON FIREPROOFING OR CONCRETE ENCASEMENT.

F. ALL MILL CAMBER TO BE ORIENTED UPWARD DURING FABRICATION AND ERECTION.

G. STEEL BEAMS INSTALLED IN PARALLEL WITH STEEL BAR JOISTS MUST HAVE CAMBER EQUAL TO BAR JOISTS.

2. ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED, AS DESCRIBED IN "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE" (AWS D1.1), TO PERFORM THE TYPE OF WORK REQUIRED.

3. ALL CONNECTIONS SHALL BE BOLTED WITH 3/4" DIAMETER, A-325 HIGH STRENGTH BOLTS OR WELDED (UNLESS SHOWN OTHERWISE ON THE DRAWINGS).

A. ALL CONNECTIONS TO HOLLOW STRUCTURAL SECTION (HSS) COLUMNS ARE TO BE THRU-PLATE UNLESS NOTED OTHERWISE.

B. ALL CONNECTIONS SHALL BE DOUBLE ANGLES UNLESS NOTED OTHERWISE.

4. ALL ALUMINUM AND STEEL MEMBERS TO BE TREATED OR PROPERLY SEPARATED TO PREVENT GALVANIC AND CORROSIVE EFFECTS.

5. ALL STEEL WELDING RODS SHALL BE E70XX ELECTRODES.

6. SUBMIT ALL STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.

7. EQUIPMENT SUPPORTS: PROVIDE ALL SUPPORTING STEEL NOT INDICATED ON PLAN AS REQUIRED FOR THE INSTALLATION OF MECHANICAL EQUIPMENT AND MATERIALS, INCLUDING ANGLES, CHANNELS, BEAMS, HANGERS, ETC. DO NOT SUPPORT EQUIPMENT OR PIPING FROM METAL DECKING.

8. DECK SUPPORTS: PROVIDE 1/4" BENT PLATES AT ALL HIPS, VALLEYS, SKEWED BEAMS AND OTHER AREAS FOR DECK SUPPORT.

JOISTS

1. ALL JOISTS SHALL HAVE A SHOP COAT OF RUST INHIBITIVE NON BITUMINOUS PAINT.

2. JOIST FABRICATOR SHALL HAVE A SPECIALTY ENGINEER REGISTERED IN THE STATE OF FLORIDA SIGN AND SEAL ALL STEEL JOIST SHOP DRAWINGS. THESE SHOP DRAWINGS SHALL CONTAIN A STATEMENT CERTIFYING THAT THE STEEL JOISTS CAN SAFELY RESIST THE WIND UPLIFT FORCES AS NOTED.

3. STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED TO THE REQUIREMENTS OF THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE FOR:

A. SERIES K JOISTS

MANUFACTURER SHALL BE A MEMBER OF THE STEEL JOIST INSTITUTE. PROVIDE BRIDGING IN ACCORDANCE WITH SJ4 STANDARDS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

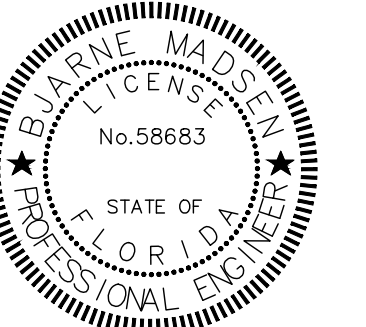
JOIST SHALL HAVE THE FOLLOWING CAMBERS UNDER THEIR OWN WEIGHTS:

30' SPAN OR LESS - CAMBER = 0

30' SPAN TO 60' SPAN - CAMBER = 1" MAXIMUM

60' SPAN TO 100' SPAN - CAMBER = 1-1/2" MAXIMUM

JOIST MANUFACTURER MUST DESIGN BRIDGING ASSUMING NO BRACING IS GIVEN BY THE ROOF DECK.



LATEST SET (REV 4)
06/20/2025

DATE	REMARKS
SIONS	



7-ELEVEN
STORE #42641

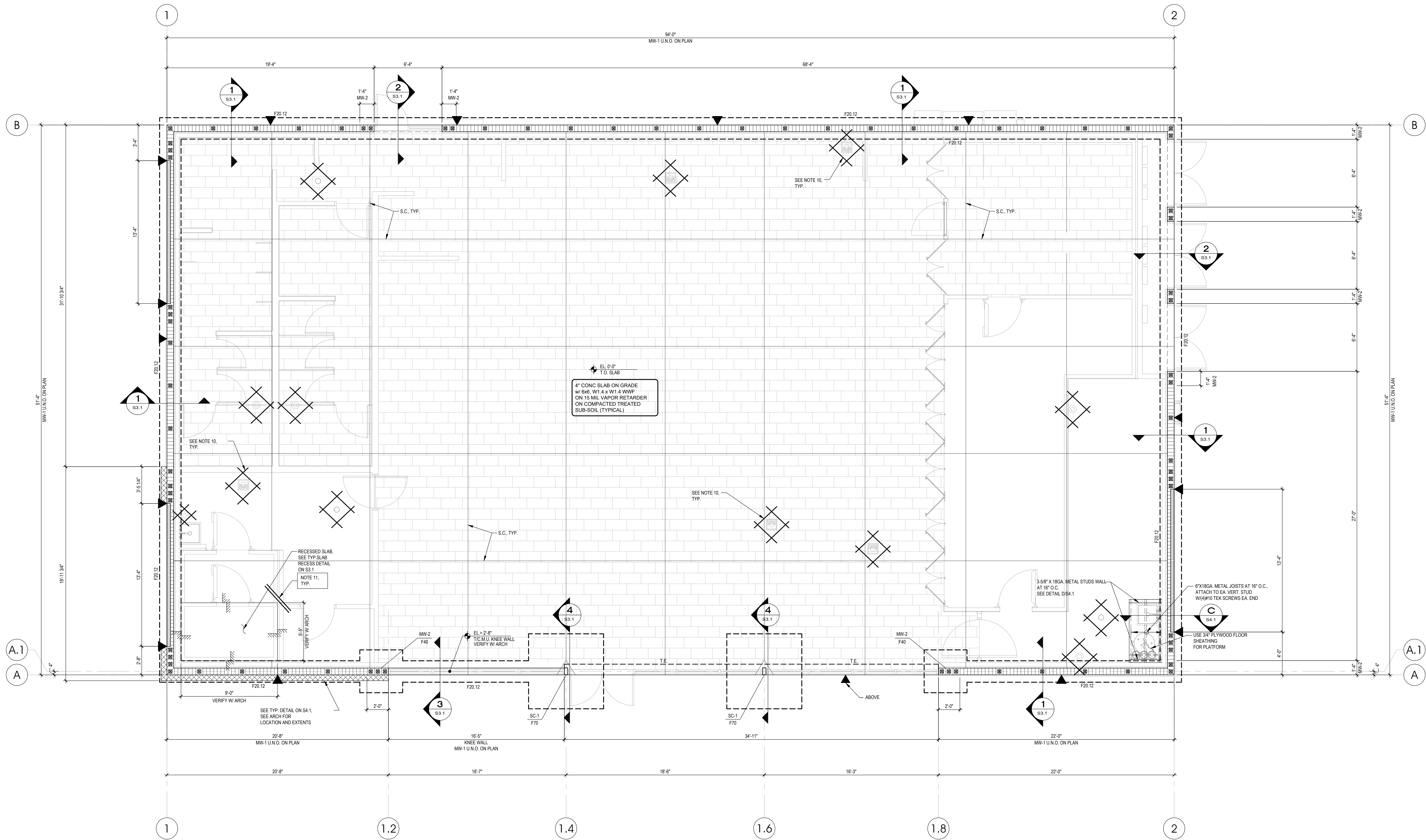
SEC OF HWY 441
& JUNCTION RD
ZELLWOOD, FL 34787

PROJECT NO: 2024.0163
DATE: MARCH 26, 2025

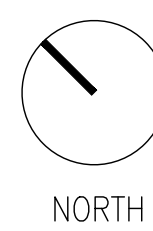
S1.1

FOUNDATION PLAN

HECKED: BM DRAWN: RED

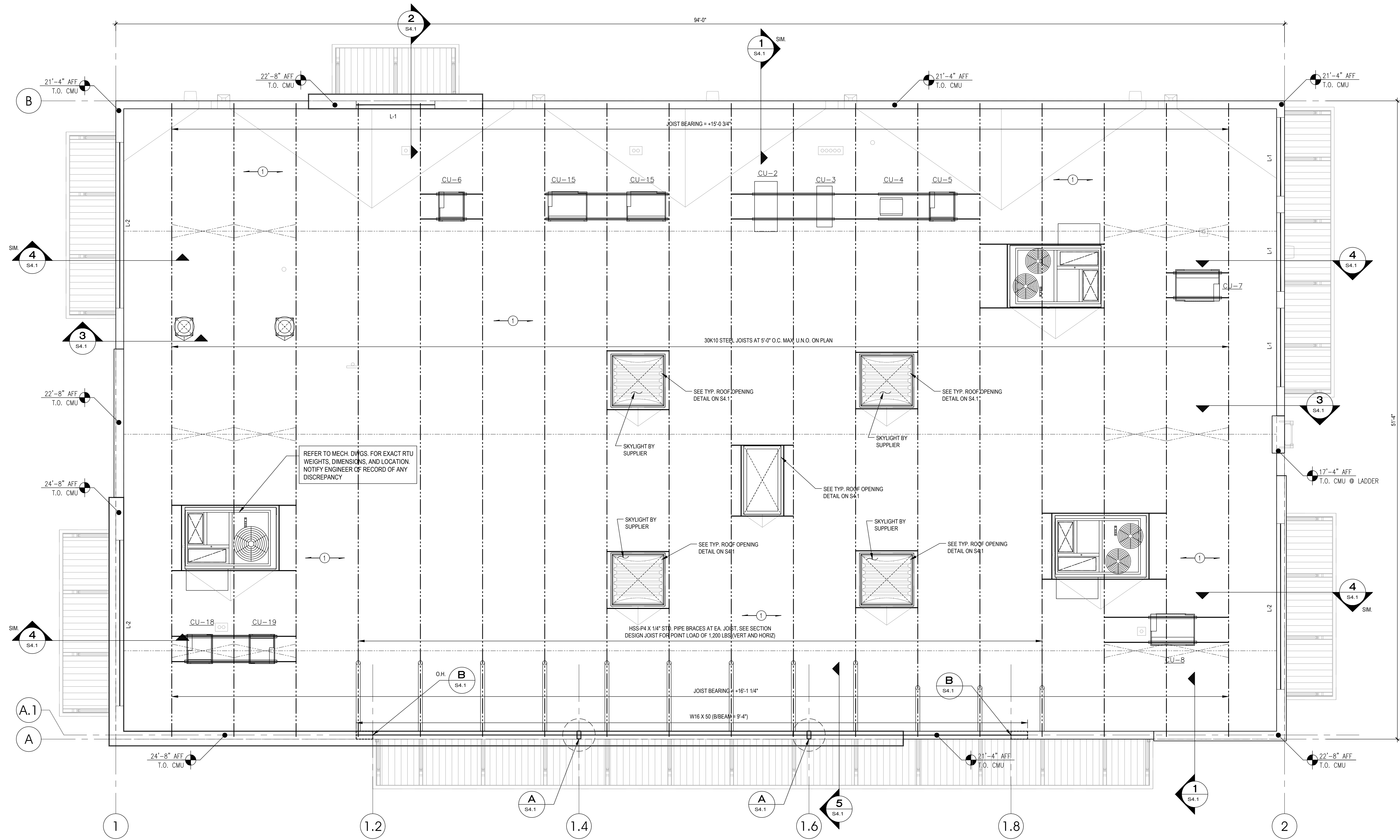


FOUNDATION PLAN

$$1/4'' = 1'-0''$$


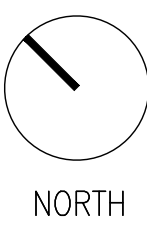
FOUNDATION NOTES:

- 1. ELEV. +/-0' IS REFERENCE ONLY. SEE CIVIL FOR TRUE NGVD ELEVATION.
- 2. S.C. INDICATES SAW CUT SEE S3.1 FOR DETAILS.
- 3. TOP OF FOOTING ELEVATION = -2'0" BELOW GRADE.
- 4. VERIFY SLOPES AND STEPS WITH ACHILF PRIOR TO CONSTRUCTION. SEE TYPICAL STEP DETAIL ON S3.1.
- 5. F&B DETECTS CONCRETE FOOTING. SEE SCHEDULE ON S3.1.
- 6.  INDICATES FILLED CELL. ALL MASONRY WALLS ARE MM-W I.U.O., SEE SCHEDULE ON S3.1 FOR SIZE AND SPACING OF REBAR.
- 7.  INDICATES WALL CONTROL JOINT, SEE DETAIL ON S3.1.
- 8. T.E. INDICATES THICKENED EDGE, SEE DETAIL ON S3.1.
- 9. S.C. # INDICATES STEEL COLUMN SEE SCHEDULE ON S3.1.
- 10. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR RAFT PENETRATIONS AND DRAIN LOCATIONS.
- 11. RE-ENTRANT BAR TYP. AT ALL FLOOR SINS & GRABS, NOT AT ALL LOCATION SHOWN FOR CLARITY. SEE S3.1 FOR MORE INFORMATION.



ROOF FRAMING PLAN

1/4" = 1'-0"

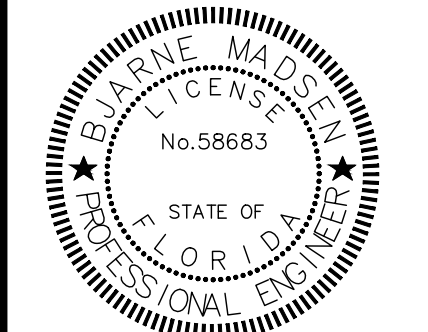


NOTE: VERIFY W/ ARCH. DRAWINGS
ALL TOP OF PARAPET ELEVATIONS
AND REPORT DISCREPANCIES TO THE
ARCHITECT PRIOR TO FABRICATION AND
CONSTRUCTION.

NOTE: VERIFY W/ ARCH. DRAWINGS
ALL WALL OPENING SIZES AND
LOCATIONS AND REPORT
DISCREPANCIES TO THE ARCHITECT
PRIOR TO FABRICATION AND
CONSTRUCTION.

ROOF FRAMING NOTES:

- 1) SEE PLAN FOR JOIST BEARING ELEVATION.
- 2) OPEN WEB STEEL JOISTS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE SPECIFICATION OF THE STEEL JOIST INSTITUTE. BOTTOM CHORDS FOR K-SERIES JOISTS SHALL BE ANGLES OR TEES. SEE STRUCTURAL NOTES FOR BRIDGING REQUIREMENTS. CENTER JOISTS ON COLUMNS AND SPACE A MAXIMUM OF 5'-0" O.C. MAX. U.N.O.
- 3) ROOF METAL DECK SHALL BE 1 1/2" TYPE B 22 GAGE GALVANIZED. ATTACH DECK TO SUPPORTS WITH 5/8" PUDDLE WELDS WITH USING A S65 PATTERN AND AT 8" O.C. AT DECK EDGE. FASTEN SIDE LAPS WITH (3) #10 TEK SCREW BETWEEN EACH SUPPORT.
- 4) JOIST BRIDGING SHALL BE PER JOIST MANUFACTURER'S RECOMMENDATIONS.
- 5) SEE ARCH FOR DIMENSIONS NOT SHOWN.
- 6) VERIFY RTU WEIGHTS AND LOCATIONS WITH MECH. PRIOR TO FABRICATION FRAMING DETAIL.
- 7) L- INDICATES POWERS LINTEL, SEE DETAILS ON S4.1.
- 8) GROUT SOLID ALL C.M.U. CELLS AT ALL CANOPY ATTACHMENT POINTS.



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7-ELEVEN
STORE #42641

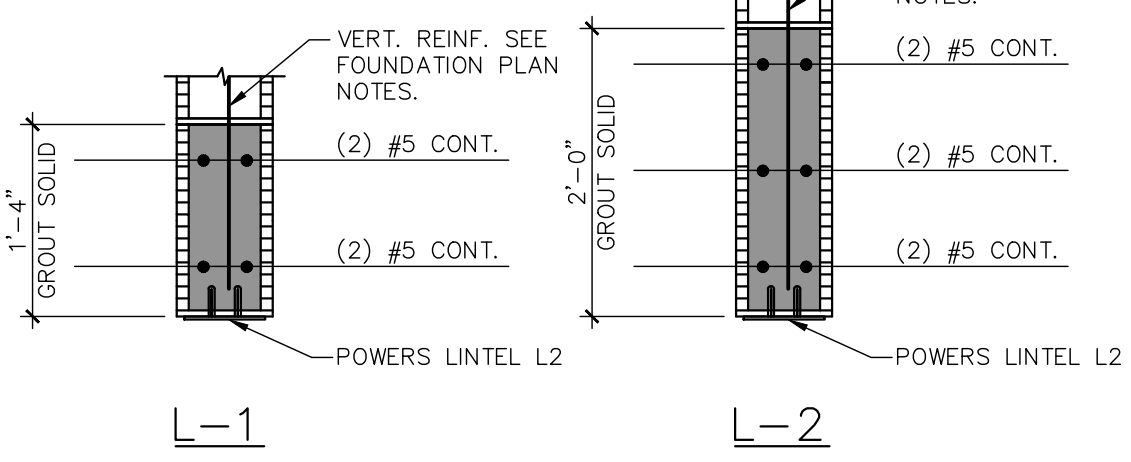
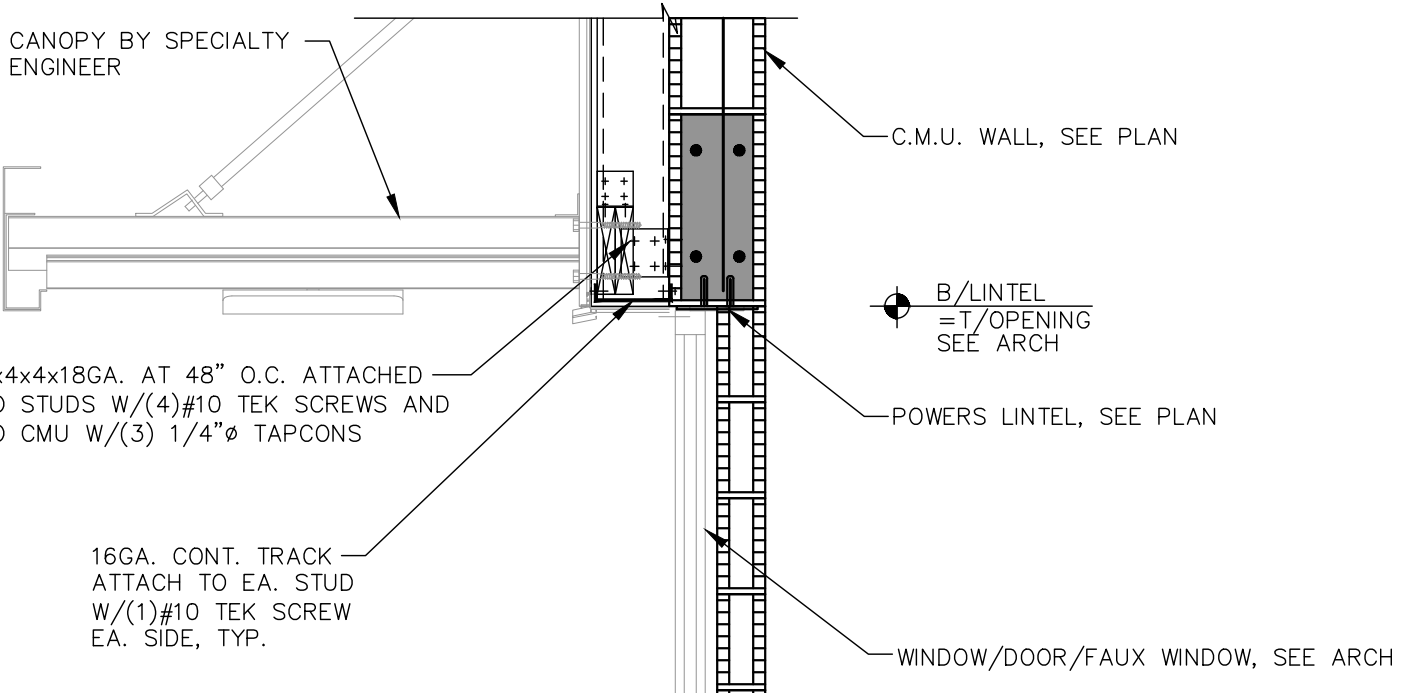
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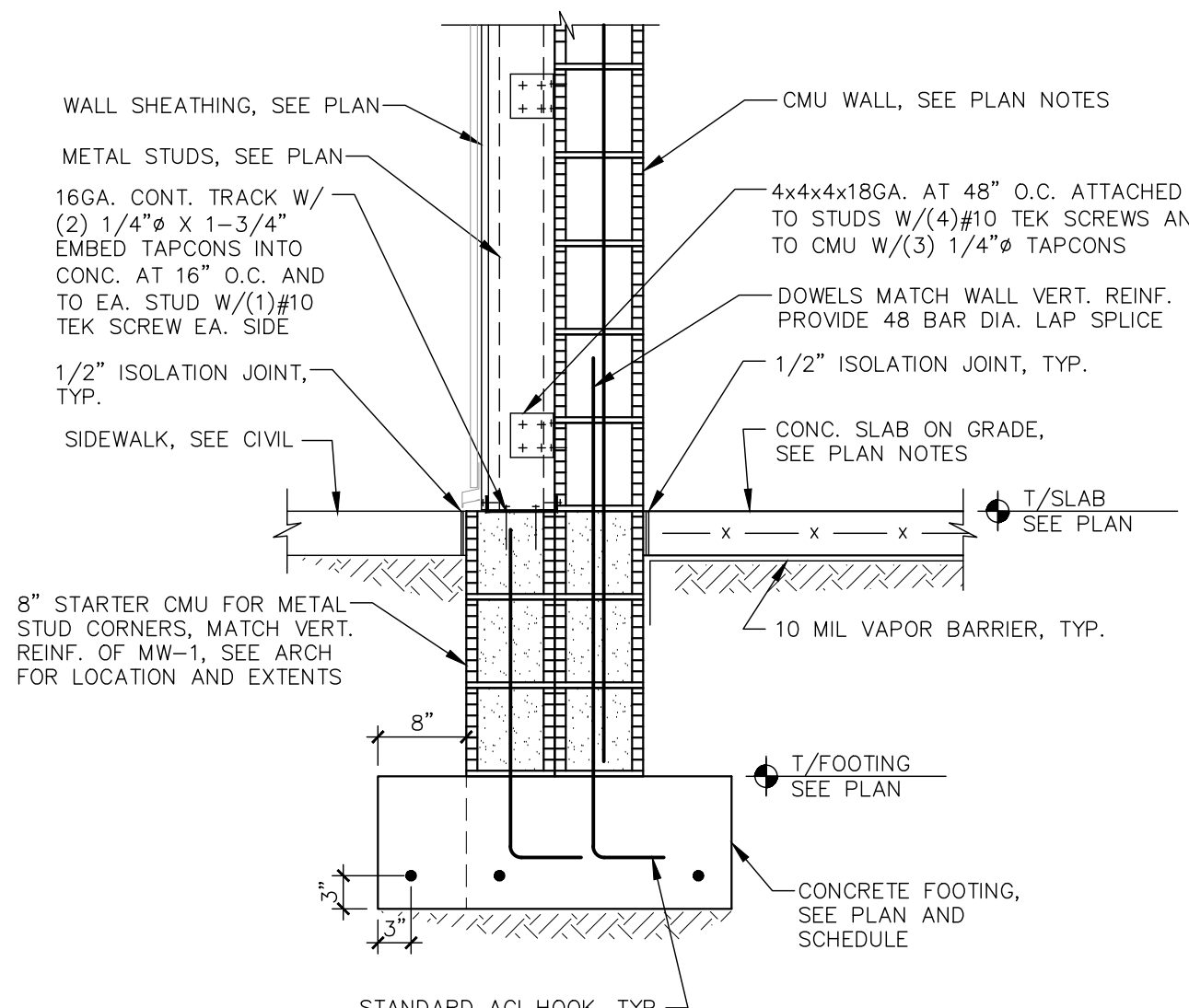
S2.1
ROOF FRAMING PLAN

CHECKED: BM DRAWN: RED

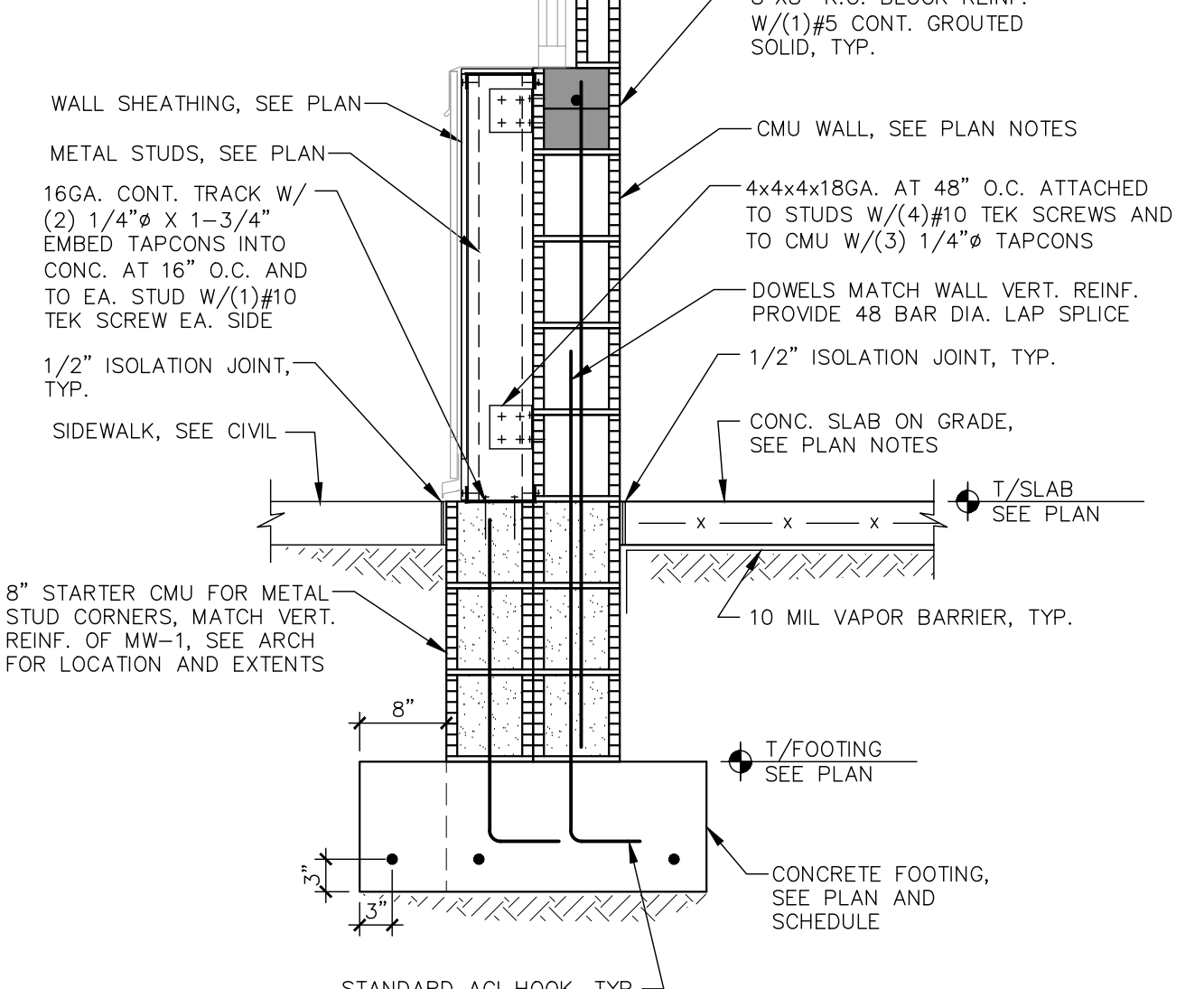
NOTES:
1. SHORE LINTEL PER MANUFACTURER RECOMMENDATIONS.
2. SEE THE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS.
3. PROVIDE 3" PLUS OR MINUS 1" BEARING SHALL BE ON A MIN. 8" DEEP GROUTED CELL.



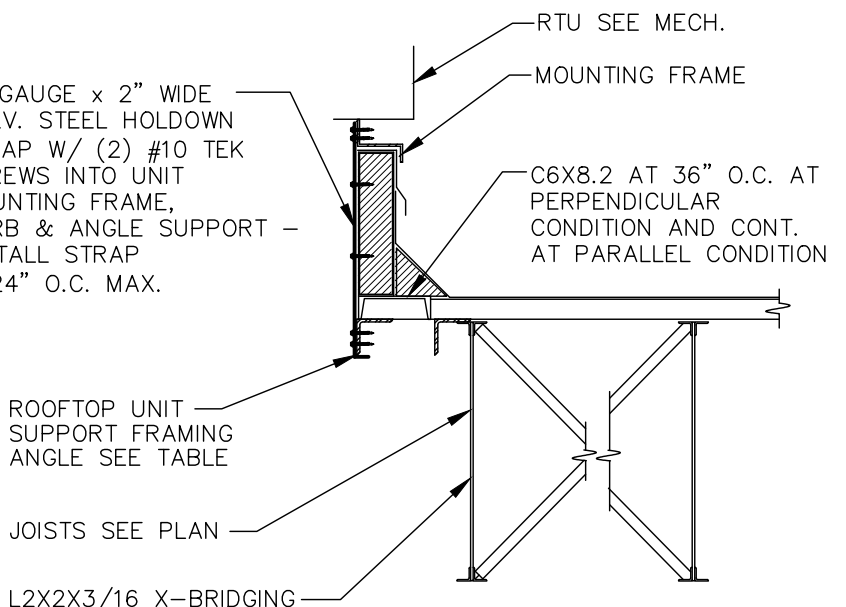
POWERS LINTEL DETAILS
N.T.S.



TYP. METAL STUD BUMPOUT DETAIL

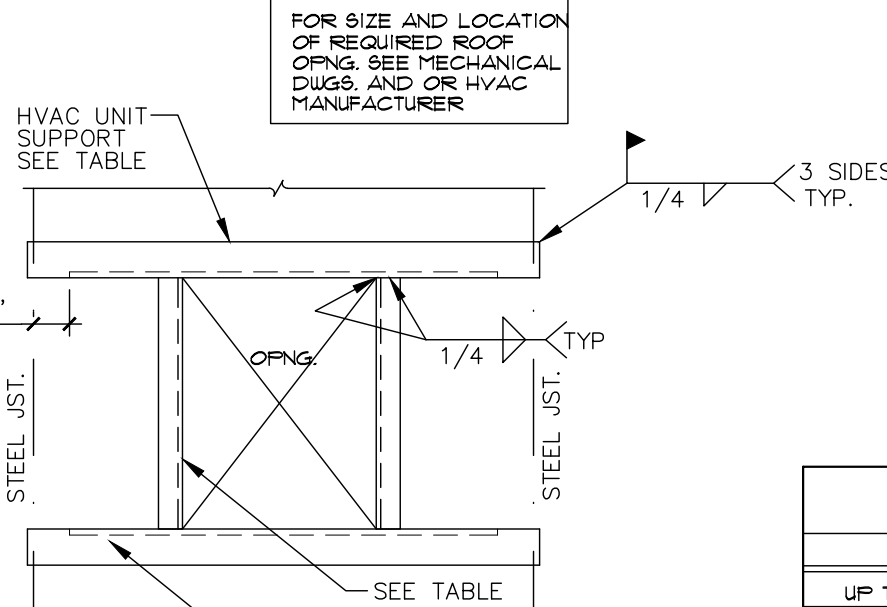


TYP. FAUX STOREFRONT DETAIL

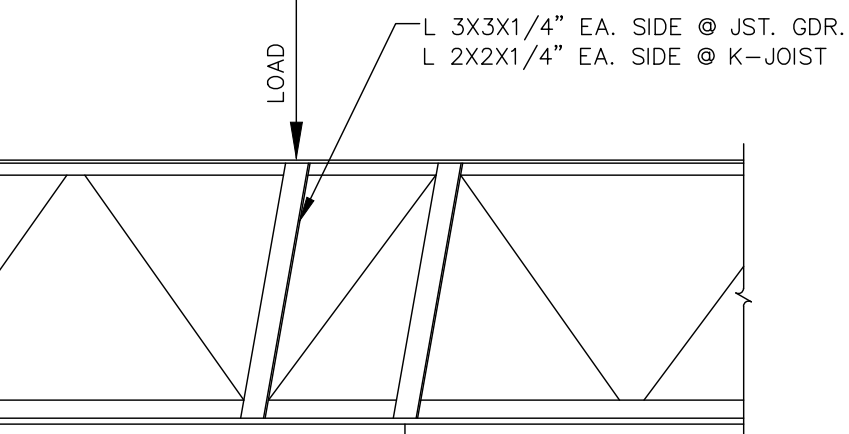


TYP. RTU HOLDDOWN

SPAN	L SIZE
UP TO 4'-0"	L3x3x3/8
4'-0" TO 6'-0"	L4x3x1/4 (LLV)
6'-0" TO 8'-0"	L5x3x1/4 (LLV)
8'-0" TO 10'-0"	L6x4x5/8 (LLV)
HVAC UNIT SUPPORT	L6x4x5/8 (LLV)

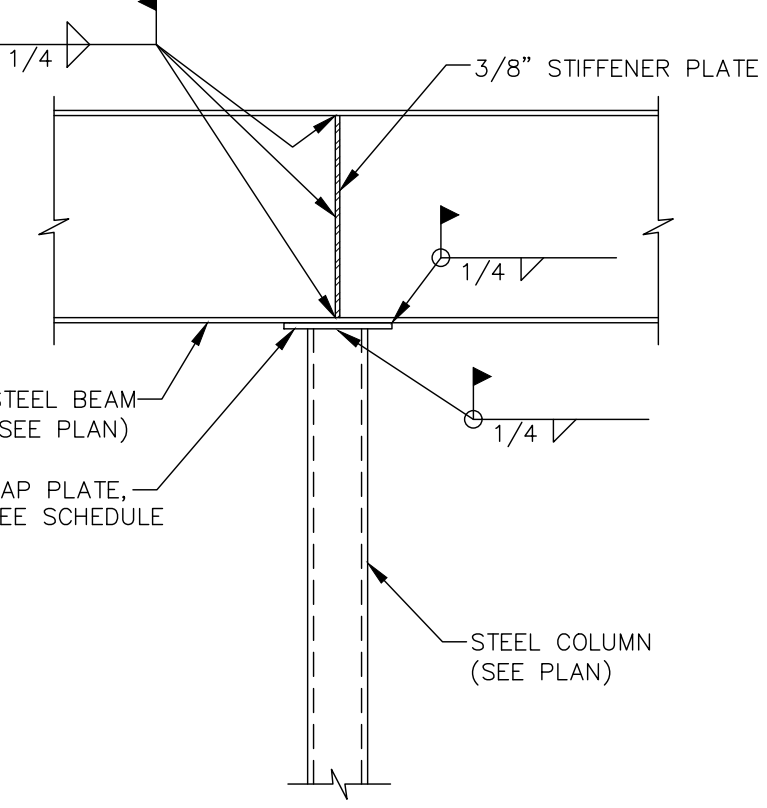


TYP. ROOF OPENING
HVAC SUPPORT FMG.

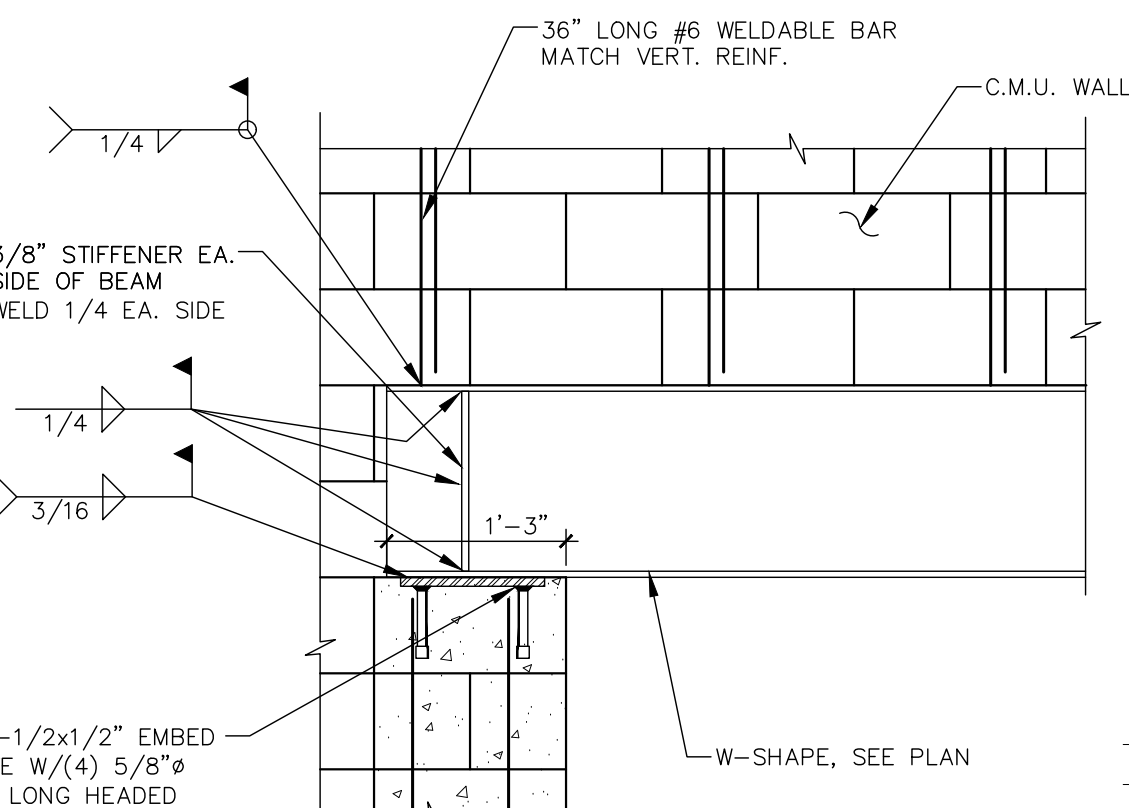


TYP. JST./JST. GIRDER
CHORD SUPPORT

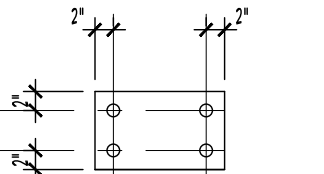
FOR LOADS EXCEEDING 300 LBS @ OTHER
THAN PANEL POINT LOCATIONS



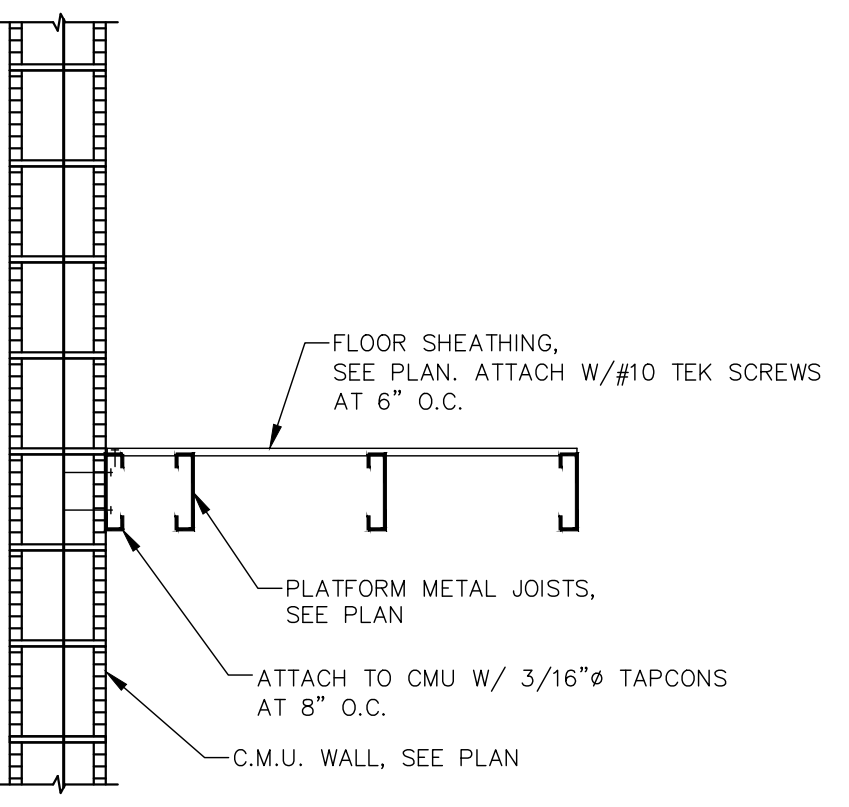
SECTION A
3/4" = 1'-0"



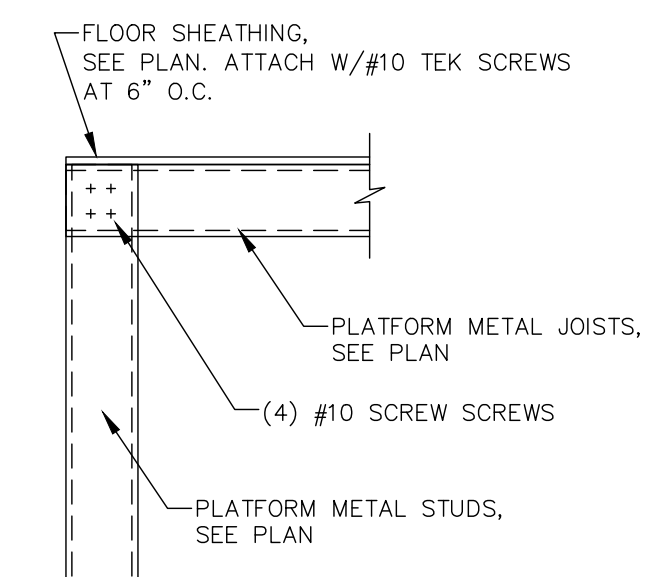
DETAIL B
3/4" = 1'-0"



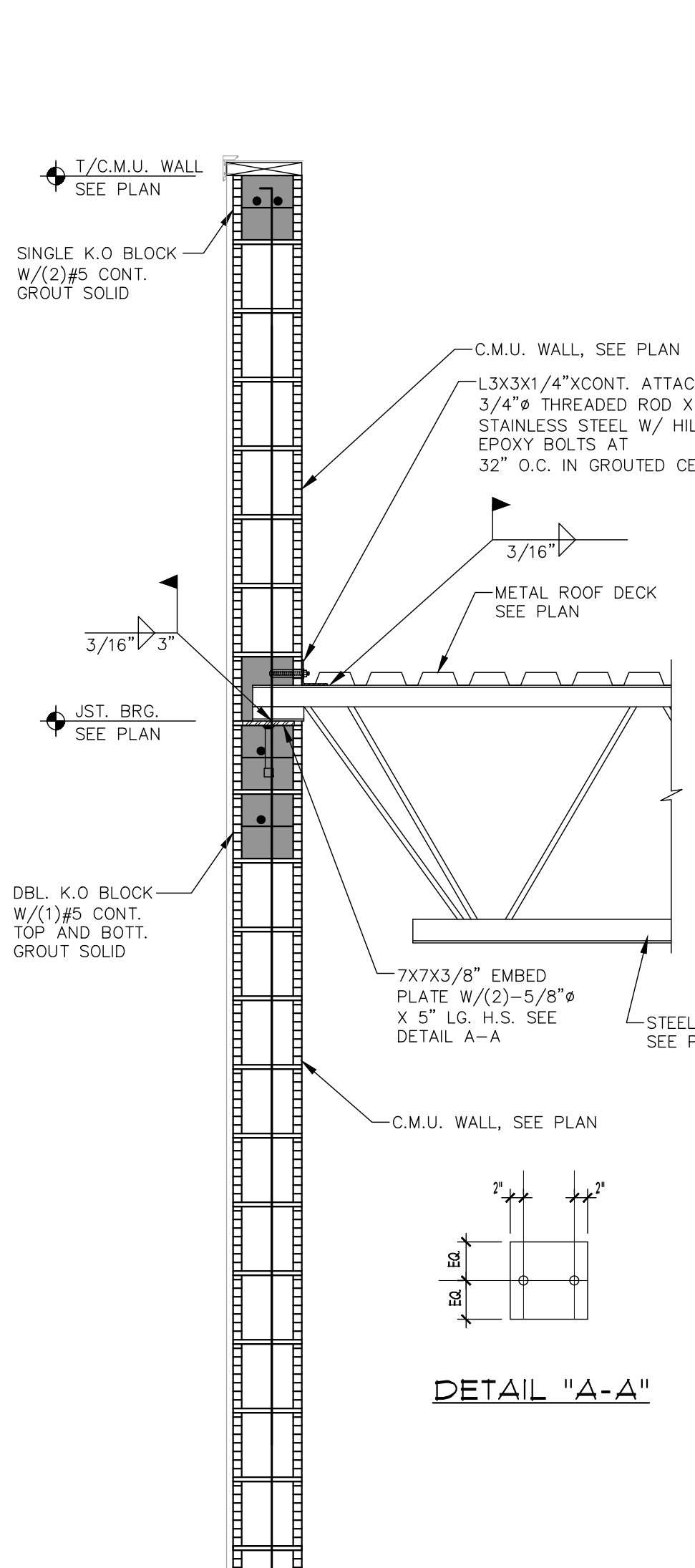
DETAIL "B-B"



DETAIL C
3/4" = 1'-0"

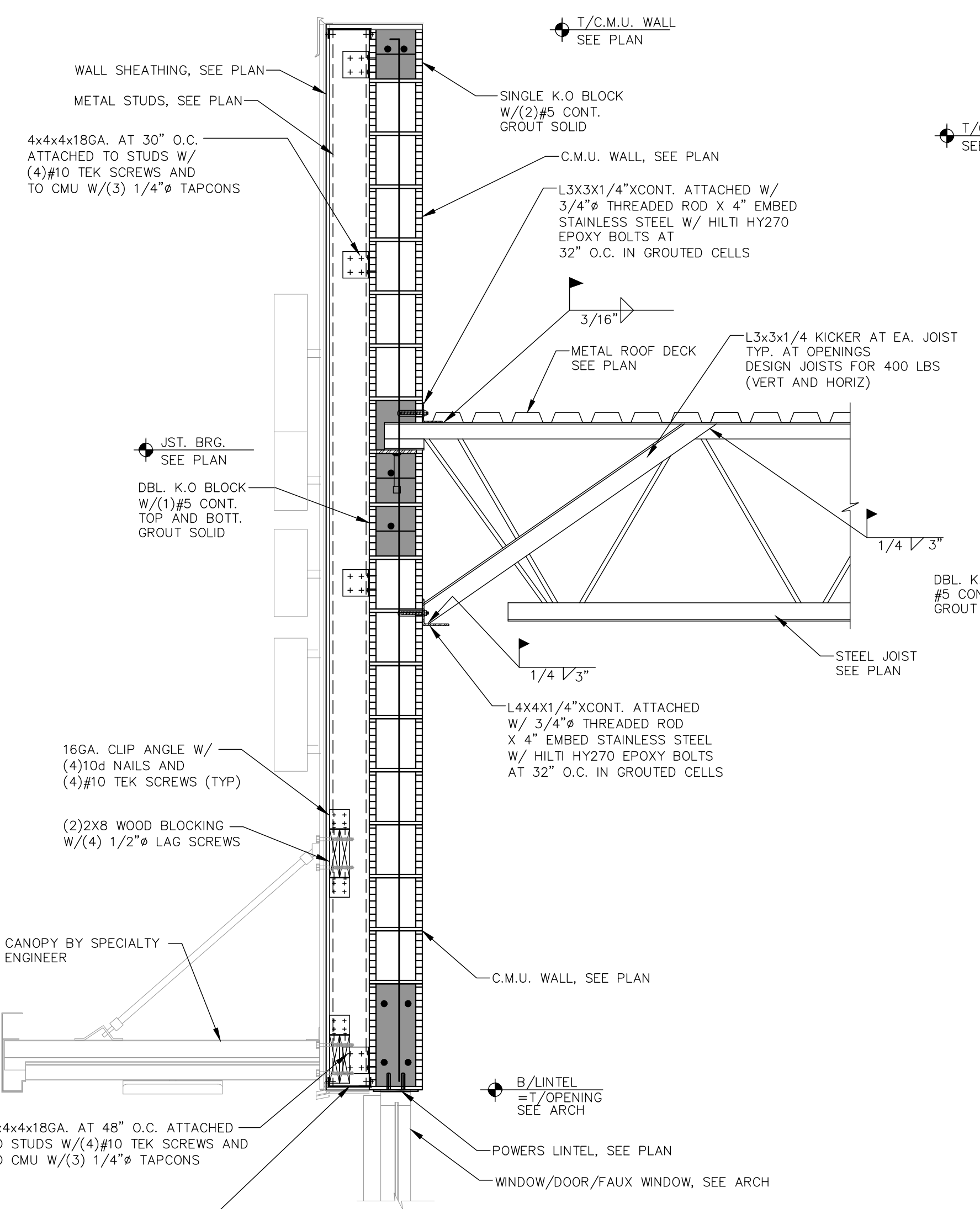


DETAIL D
3/4" = 1'-0"

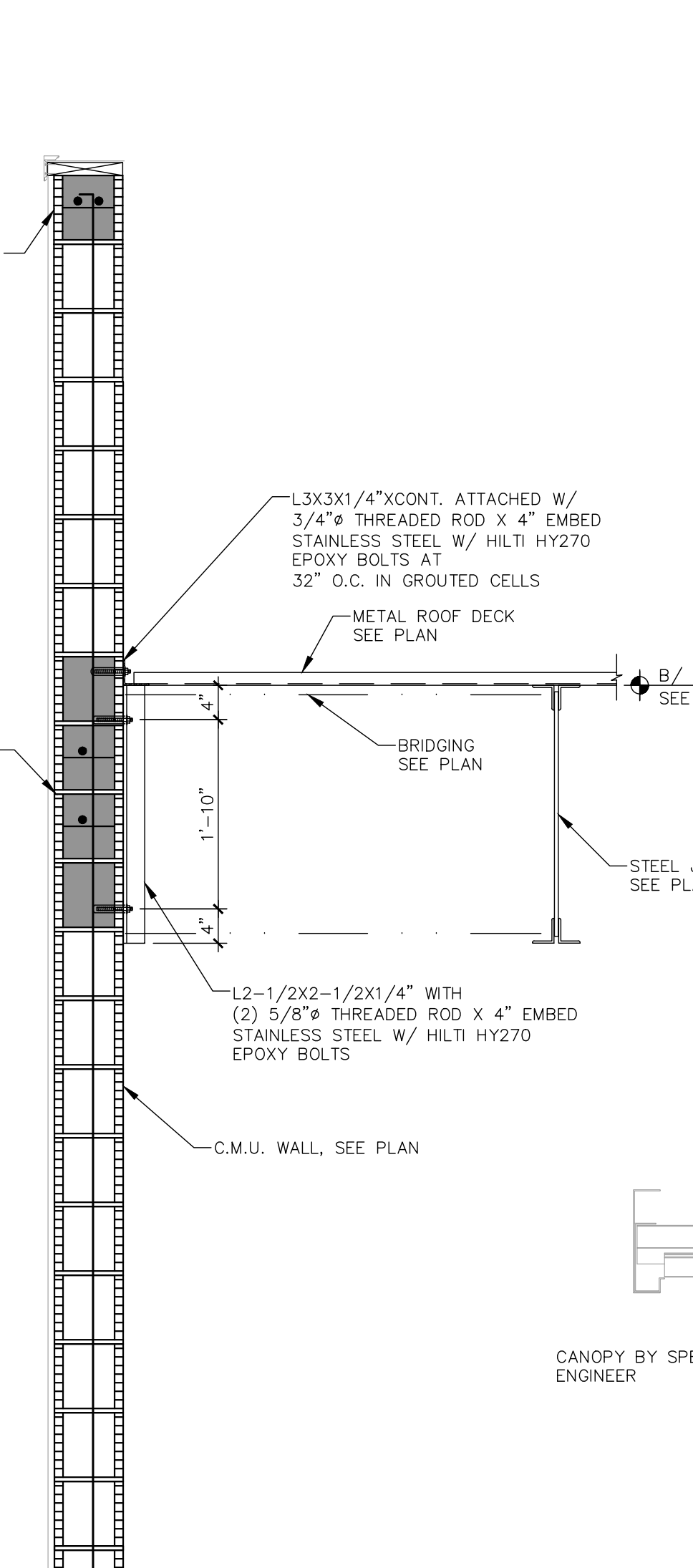


DETAIL "A-A"

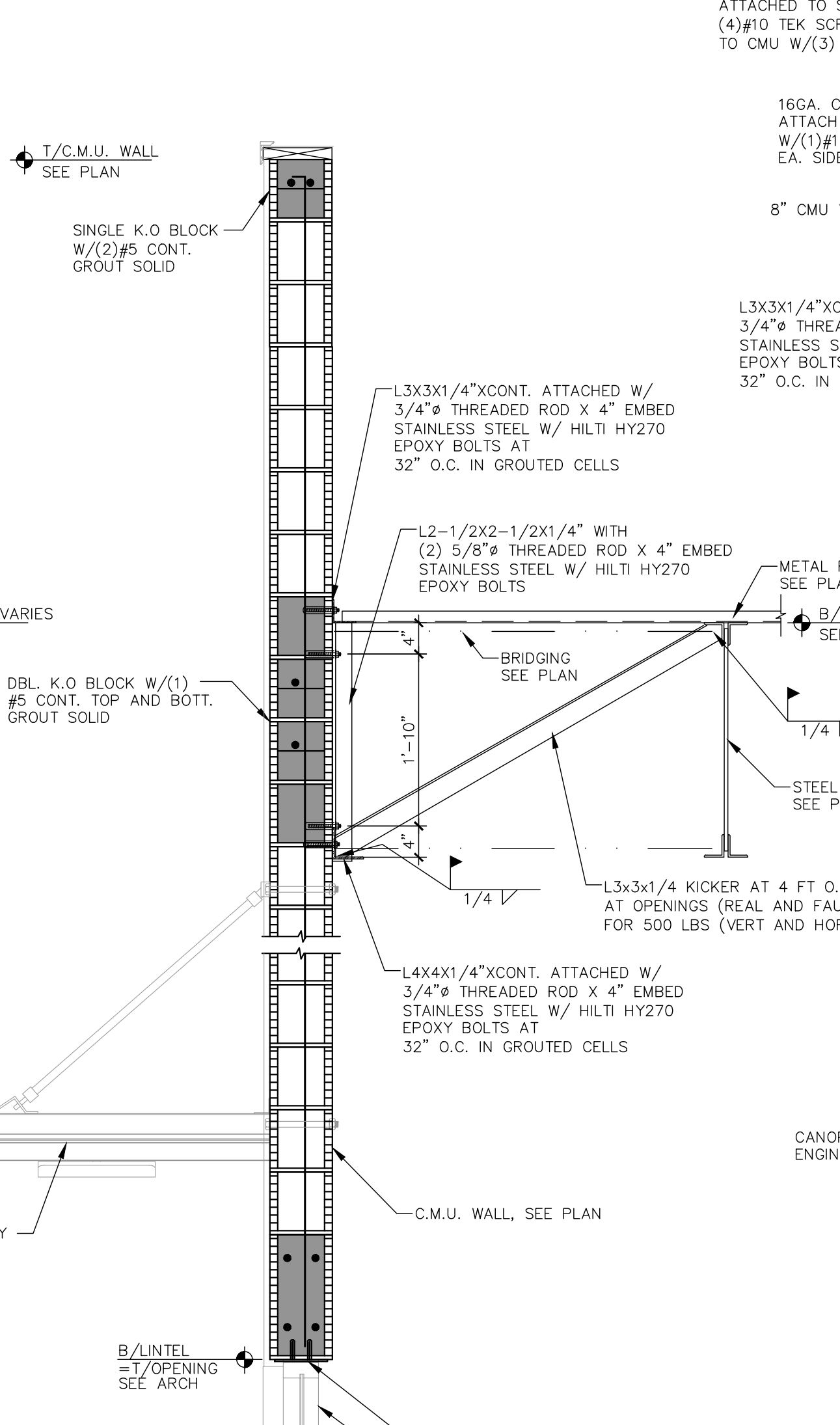
SECTION 1
3/4" = 1'-0"



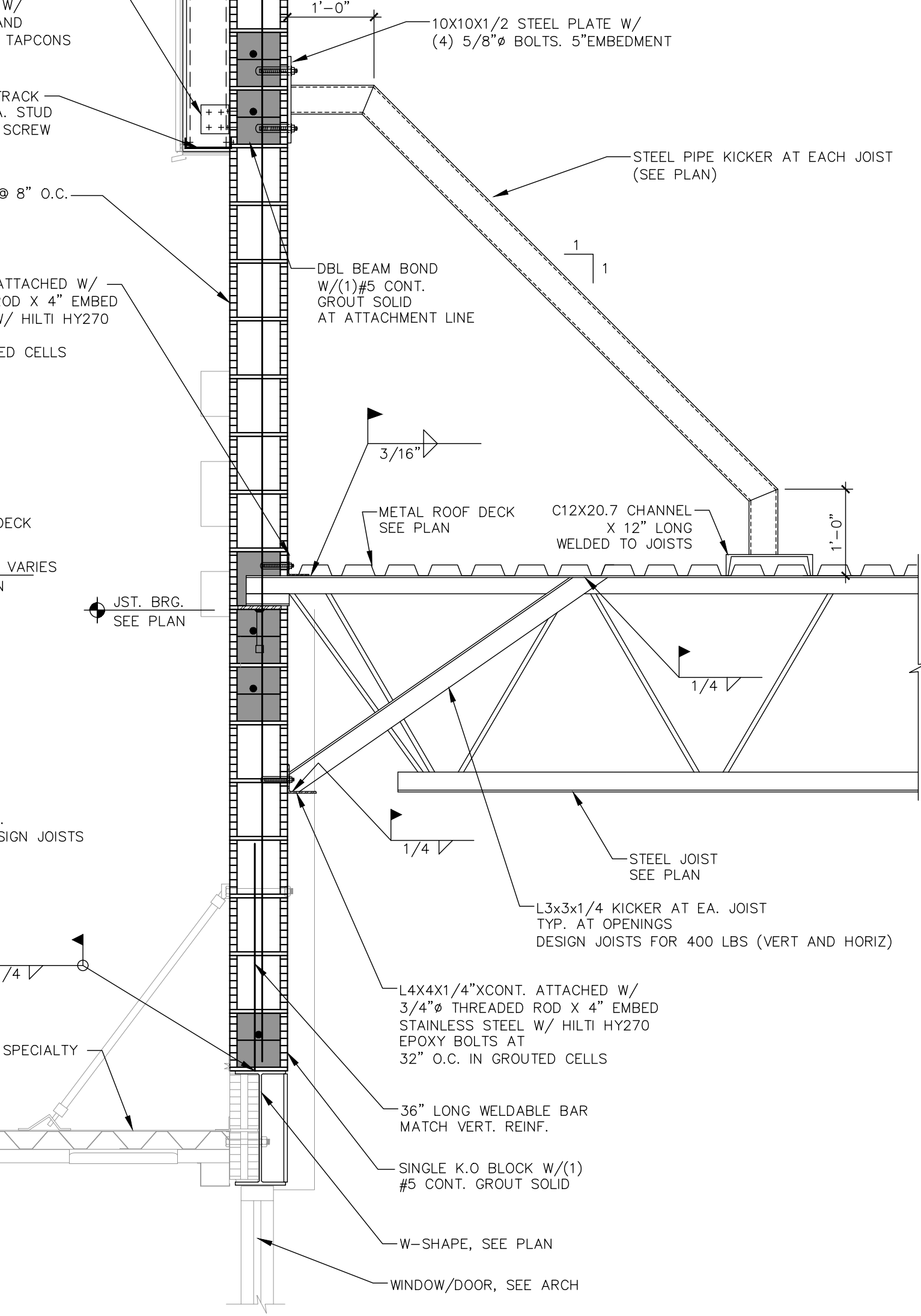
SECTION 2
3/4" = 1'-0"



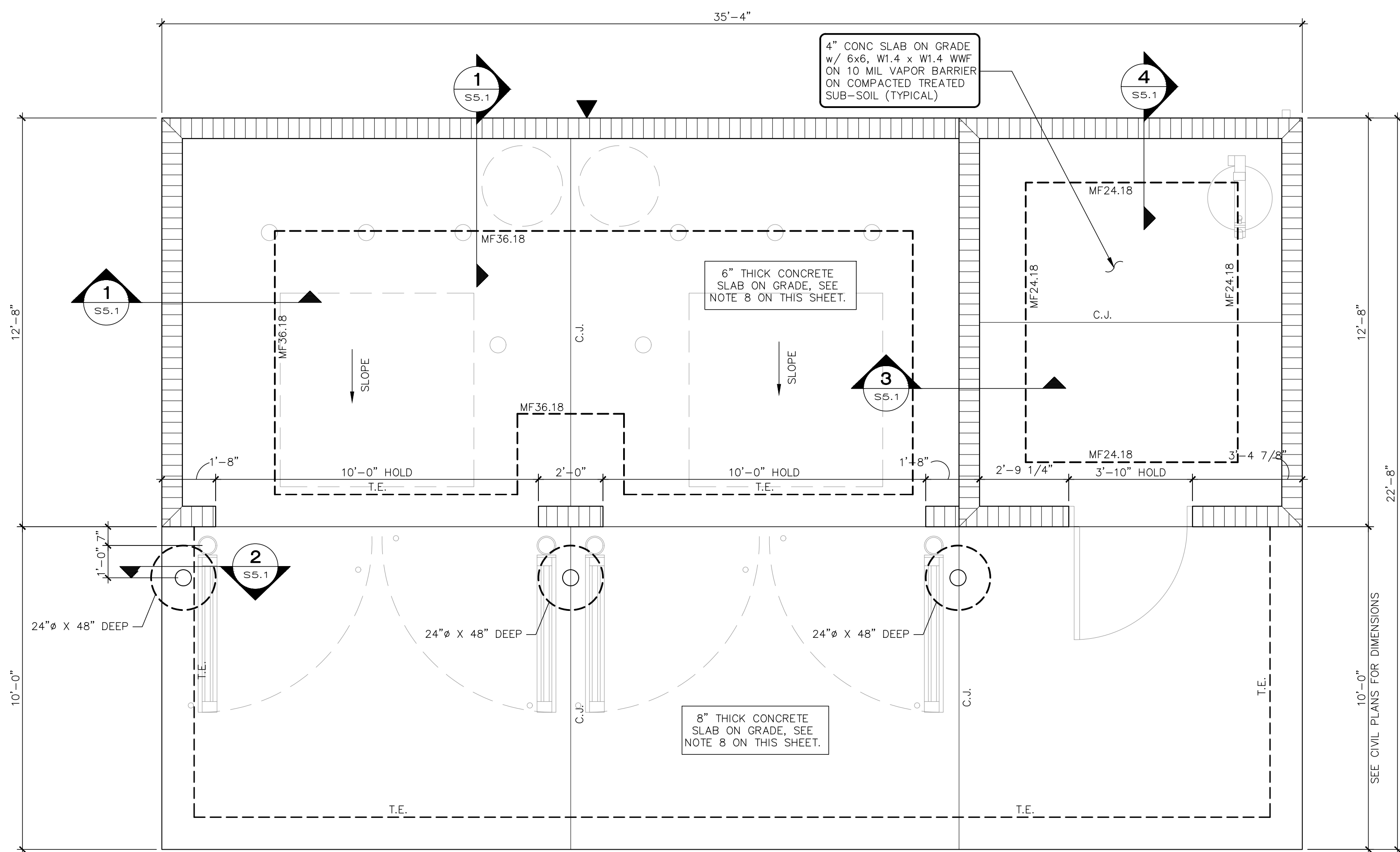
SECTION 3
3/4" = 1'-0"



SECTION 4
3/4" = 1'-0"



SECTION 5
3/4" = 1'-0"



1 DUMPSTER ENCLOSURE - FOUNDATION PLAN 3/8" = 1'-0"

FOUNDATION NOTES:

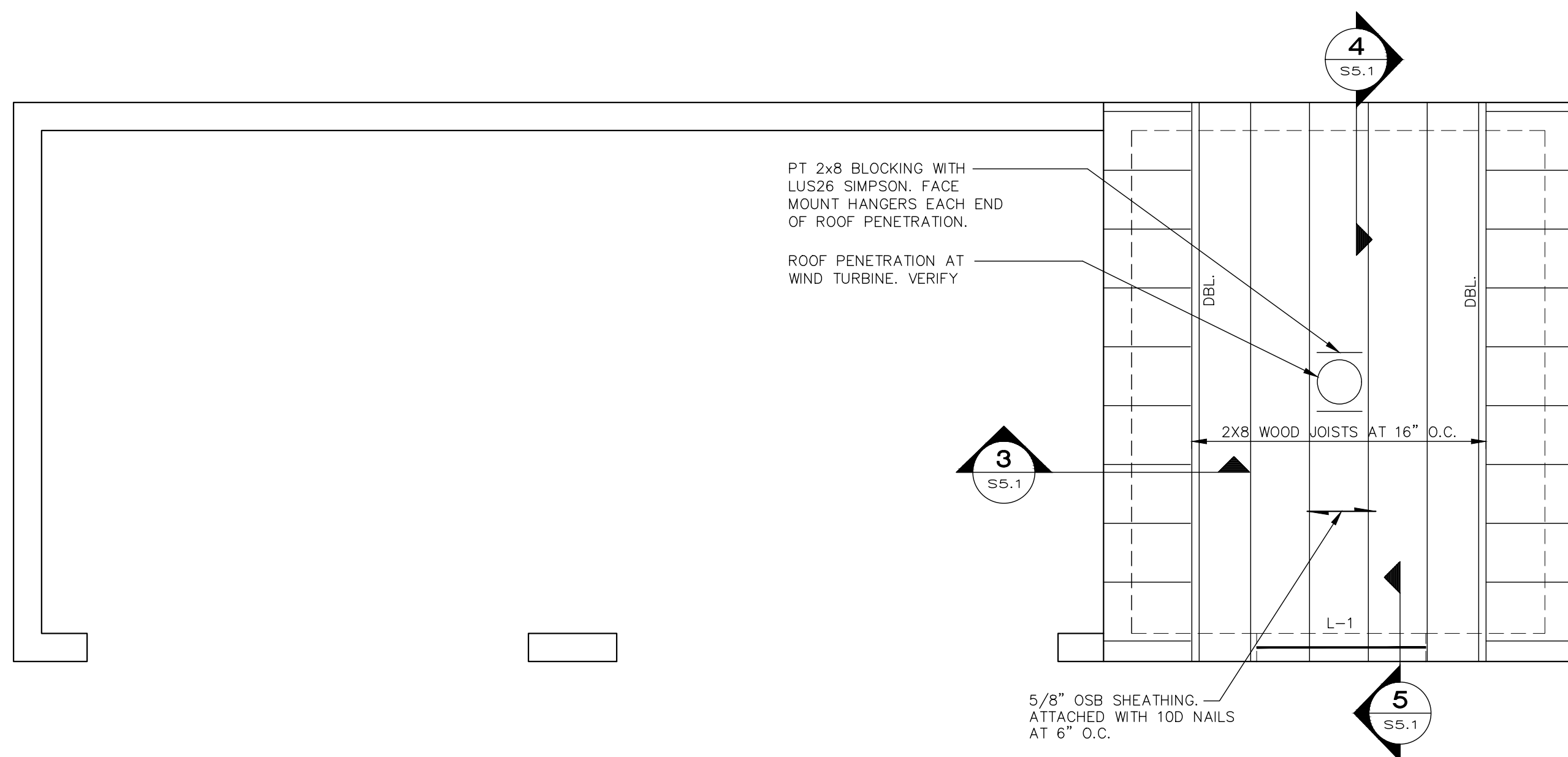
- ELEV. $\pm 0'-0"$ IS REFERENCE ONLY. SEE CIVIL FOR TRUE NGVD ELEVATION.
- C.J. INDICATES CONTROL JOINT SEE S3.1 FOR DETAILS.
- T.E. INDICATES THICKENED EDGE SEE S3.1 FOR DETAILS.
- VERIFY SLOPES AND STEPS WITH ARCH'L PRIOR TO CONSTRUCTION. SEE TYPICAL STEP DETAIL ON S3.1.
- ALL MASONRY WALLS ARE MW-1 U.N.O.. SEE SCHEDULE ON THIS SHEET.
- MF-# DENOTES MONOLITHIC CONCRETE FOOTING, SEE SCHEDULE ON THIS SHEET.
- INDICATES WALL CONTROL JOINT, SEE DETAIL ON S3.1.
- FLOOR CONSTRUCTION: 6" THICK CONCRETE SLAB ON GRADE W/ #4 AT 12" O.C. E.W. MID-DEPTH, AND 8" THICK CONCRETE SLAB REIN. W/ #5 AT 12" O.C. E.W. MID-DEPTH.
- FOOTING EXCAVATIONS SHALL BE FREE OF WATER BEFORE PLACING CONCRETE.
- CONTRACTOR TO COORDINATE ALL FLOOR DRAINS AND PLUMBING PRIOR TO PLACING CONCRETE FOOTINGS OR SLAB.

MASONRY WALL SCHEDULE		
MARK	THICKNESS	REINFORCING
MW-1	8" CMU	#6 AT 48" O.C.

MASONRY WALL NOTES:

- WALL SEGMENTS SHALL BE REINFORCED WITH 9 GA. GALVANIZED LATERAL REINFORCING @ 16" O.C. HORIZ. EXTEND REINFORCING 6" INTO POURED ELEMENTS AND AROUND ENCASED STEEL.
- ADJACENT TO ANY EXTERIOR/INTERIOR WALL OPENING, PLACE 1 #6 VERTICAL IN CELL GROUTED SOLID, FULL HEIGHT.
- ALL MASONRY REINFORCED CELLS SHALL BE FILLED WITH 3000 PSI GROUT MIX.

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
MF24.1B	2'-0" X 18" X CONT.	(3) #5 CONT. BOTTOM
MF36.1B	3'-0" X 18" X CONT.	(4) #5 CONT. BOTTOM



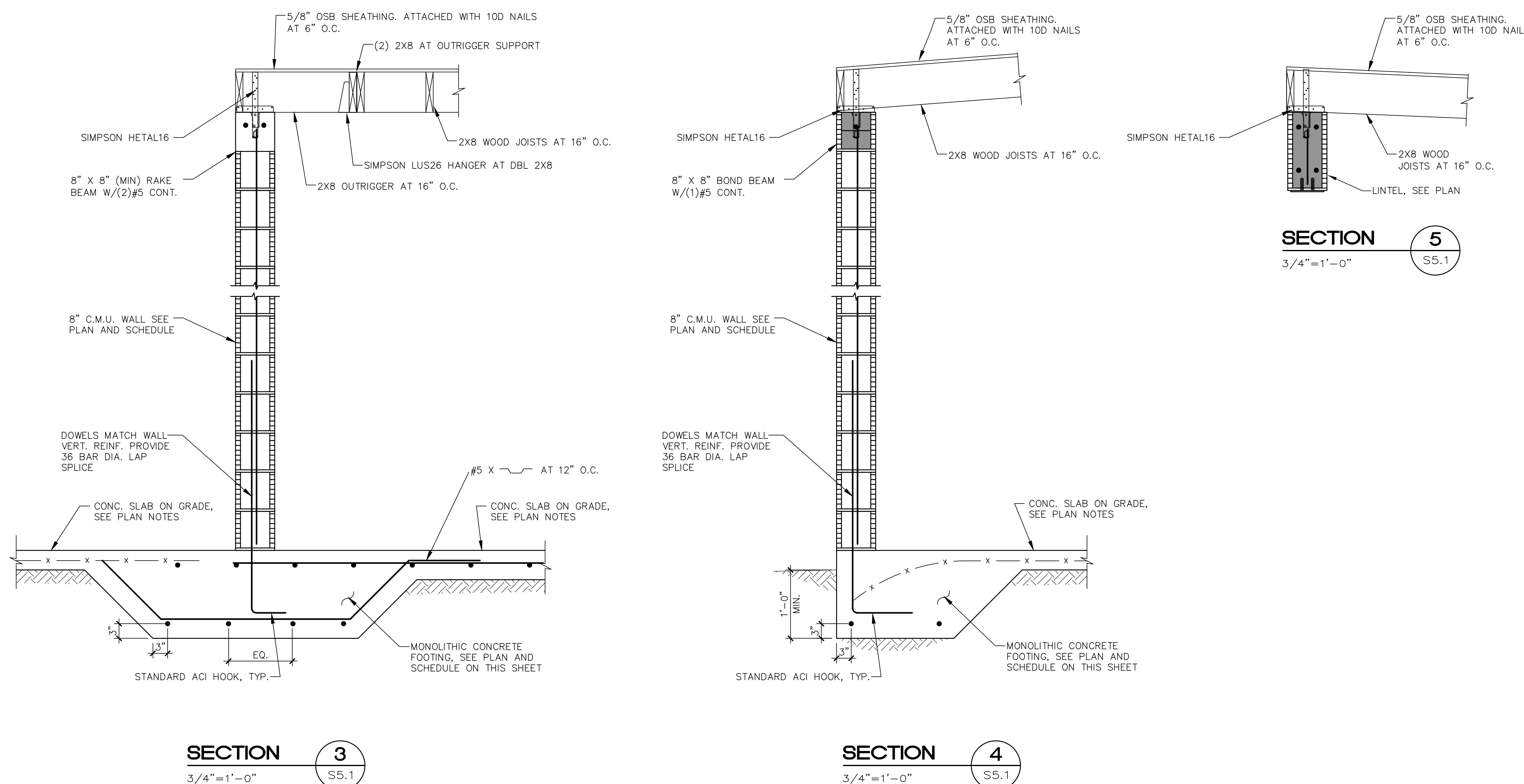
2 DUMPSTER ENCLOSURE - ROOF FRAMING PLAN 3/8" = 1'-0"

FRAMING NOTES:

- L-# DENOTES POWERS LINTEL, SEE SCHEDULE THIS SHEET.
- SEE ARCH FOR DIMENSIONS NOT SHOWN.

NOTE: VERIFY W/ ARCH. DRAWINGS ALL TOP OF PARAPET ELEVATIONS AND REPORT DISCREPANCIES TO THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION.

NOTE: VERIFY W/ ARCH. DRAWINGS ALL WALL OPENING SIZES AND LOCATIONS AND REPORT DISCREPANCIES TO THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION.



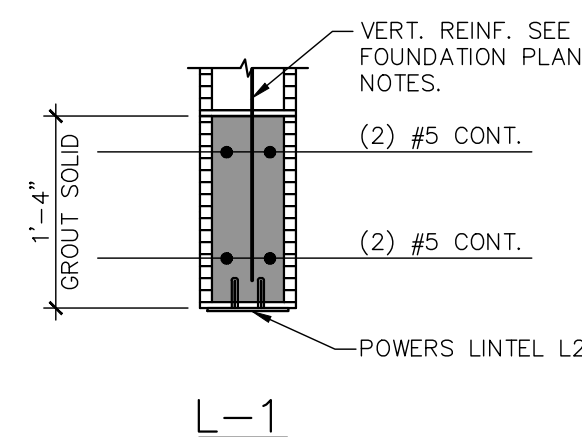
STRUCTURAL NOTES

CODES AND STANDARDS

- WIND LOADS AS PER:
 - FLORIDA BUILDING CODE 2023 EDITION/ASCE7-22, FOR A 139 MPH(ULT)/108 MPH(ASD) EXPOSURE C, 0.0 INTERNAL PRESSURE COEFFICIENT, 1.0 IMPORTANCE FACTOR, AND RISK CATEGORY II.
 - THIS STRUCTURE IS DESIGNED AS AN OPEN STRUCTURE.
- THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE:
 - FLORIDA BUILDING CODE 2023 EDITION.
 - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318/ 2019 EDITION).
 - MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315/ LATEST EDITION).
 - MANUAL OF STANDARD PRACTICE FOR WELDING REINFORCING STEEL, INSERTS & CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION. AWS. D1.4/ 2018 EDITION.
- FLOOR LIVE LOAD: 250 PSF.

FOUNDATION

- ALL SITE PREPARATION AND EXCAVATION WORK IS TO BE PERFORMED IN STRICT ACCORDANCE WITH THE:
 - GEOTECHNICAL REPORT PREPARED BY NOVA ENGINEERING AND ENVIROMENTAL, LLC DATED MARCH 24, 2023 (PROJECT No. 10106-2023008).
- THE BUILDING SITE SHOULD BE EXCAVATED TO THE DEPTH AND EXTENT INDICATED IN THE SOILS REPORT. ALL SUBGRADES SHALL BE APPROVED IN WRITING BY THE SOILS ENGINEER PRIOR TO BACKFILLING.
- BOTTOM OF FOOTINGS TO BEAR ON SOIL CAPABLE OF SAFELY SUPPORTING 3000 PSF.



- NOTES:
- SHORE LINTEL PER MANUFACTURER RECOMMENDATIONS.
 - SEE THE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS.
 - PROVIDE 3" PLUS OR MINUS 1". BEARING SHALL BE ON A MIN. 8" DEEP GROUTED CELL.

POWERS LINTEL DETAILS
N.T.S.

LATEST SET (REV 4)
06/20/2025

NO DATE REMARKS
REVISIONS



7-ELEVEN
STORE #42641
SEC OF HWY 441
& JUNCTION RD
ZELLWOOD, FL 34787

PROJECT NO: 2024.0163
DATE: MARCH 26, 2025

S5.1

DUMPSTER ENCLOSURE
AND SECTIONS

CHECKED: BM. DRAWN: RED