

#	DATE	DESCRIPTION
1	3/19/08	REV'D PER TOWN ENGINEER COMMENTS


CURRENT REVISION

MAINE

MOODY'S COLLISON CENTER

PORTLAND

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PA_2007_008-1007-277-Moody'sMoody'sMoody's

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 Date: 01/30/08

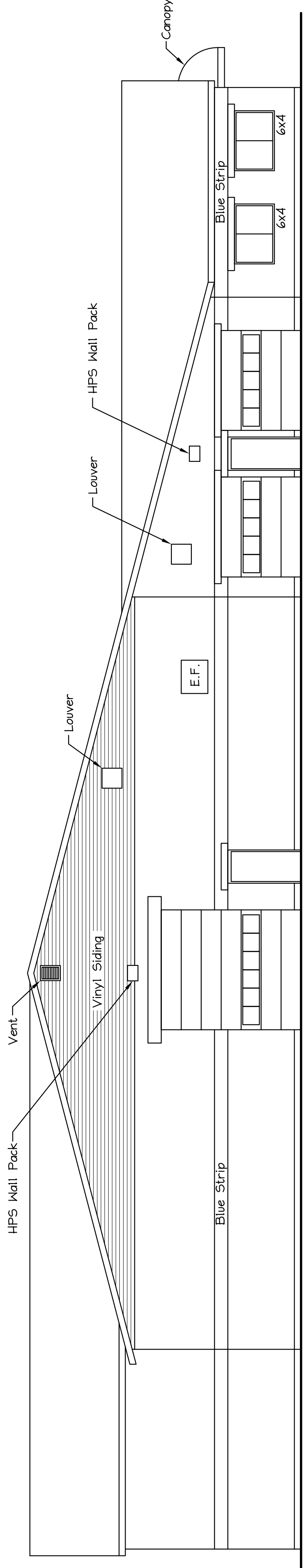
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DRN BY:	DWB
CHKD BY:	BMW
DATE:	10/22/07
SCALE:	AS NOTED
PROJ. NO.:	2007-277

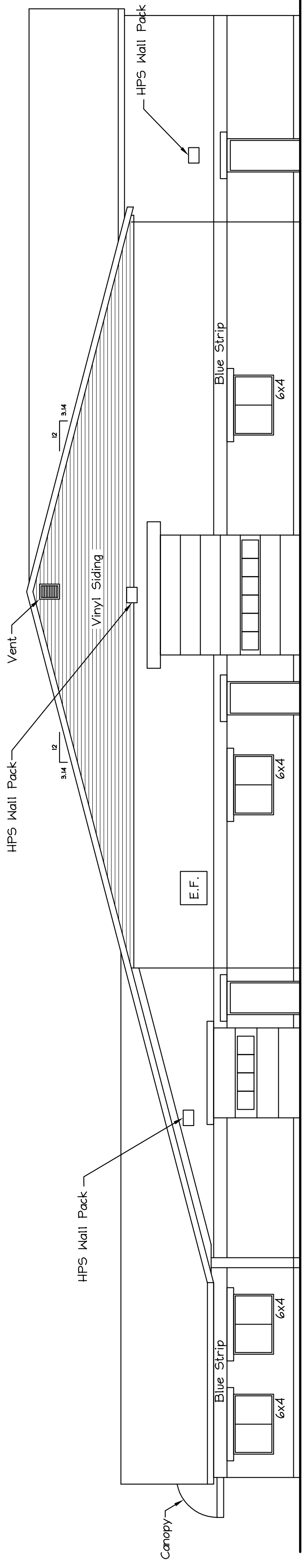
SHEET TITLE:

EXTERIOR
ELEVATIONS

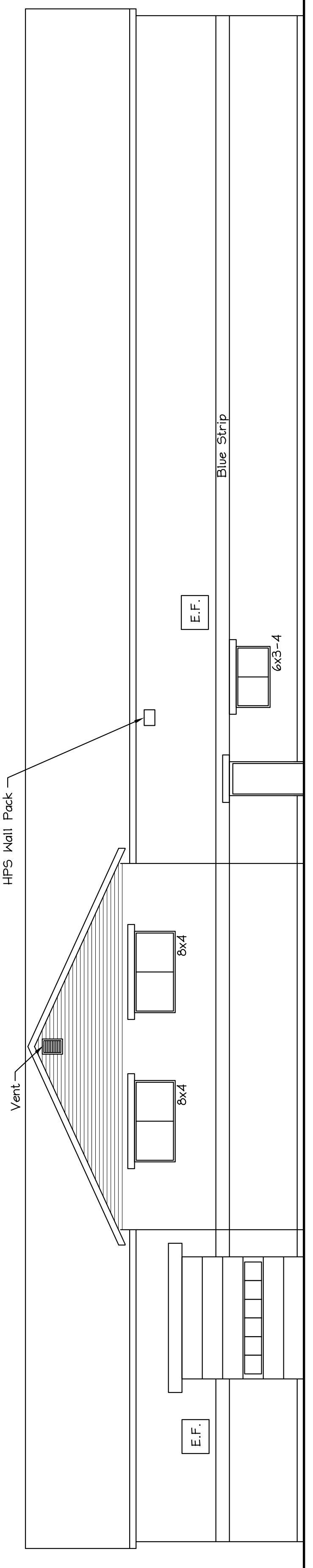
AI OF 13



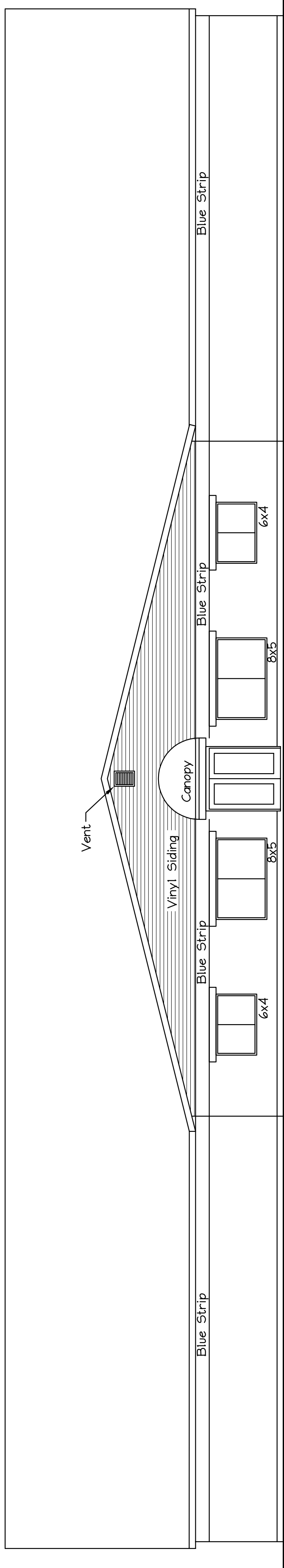
LEFT ELEVATION
SCALE: 1/8" = 1'-0"



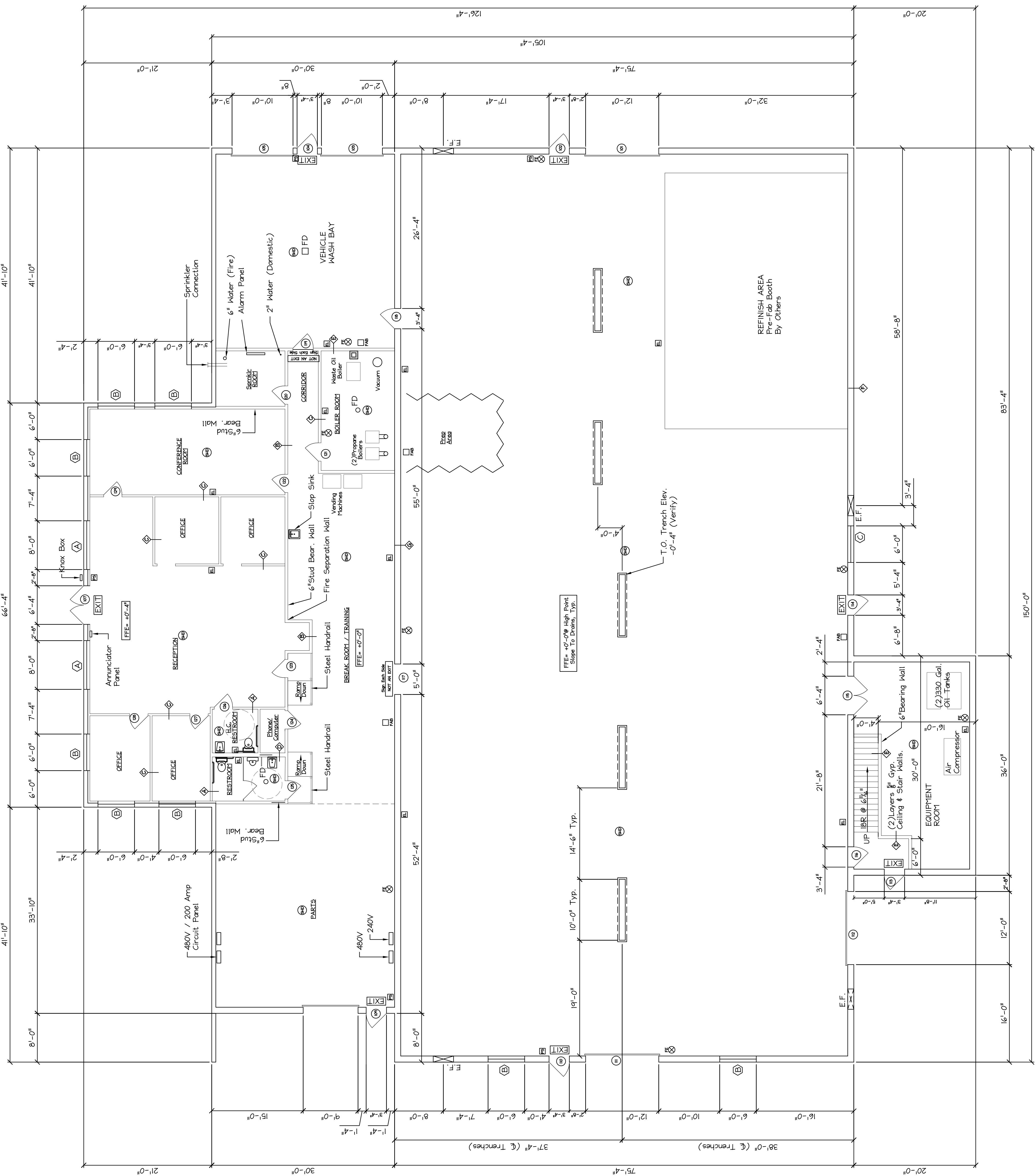
RIGHT ELEVATION
SCALE: 1/8" = 1'-0"



REAR ELEVATION
SCALE: 1/8" = 1'-0"



FRONT ELEVATION
SCALE: 1/8" = 1'-0"



FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

WINDOW SCHEDULE

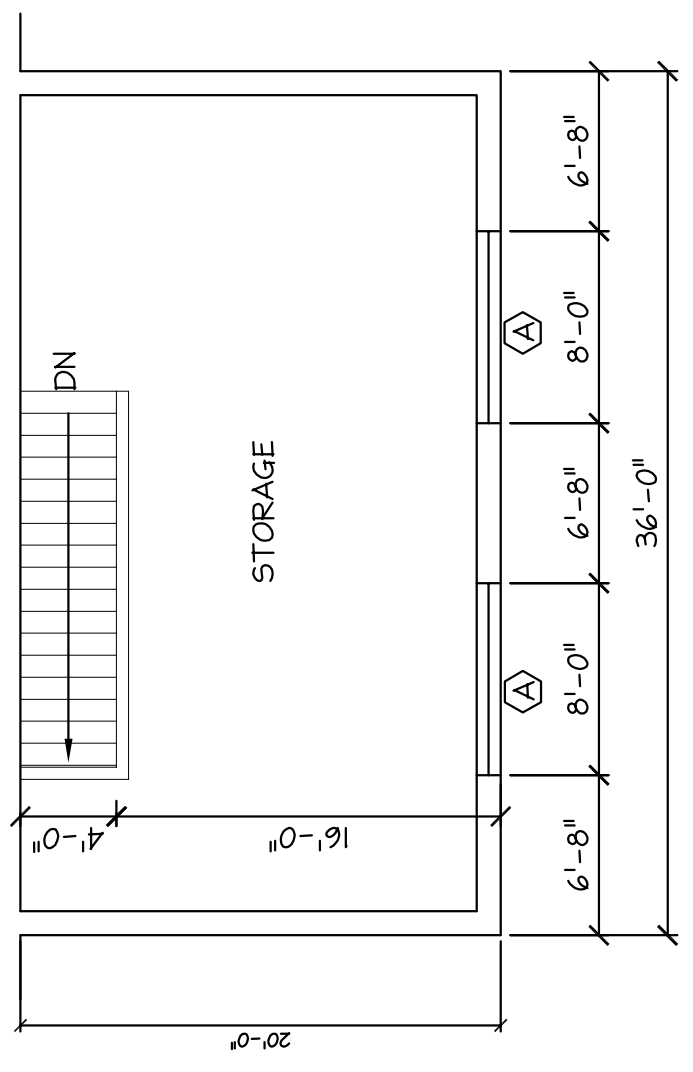
TYPE	SIZE	MTRL	TYPE	REMARKS
A	8'-0"X4'-0" H	ALUMINUM	FIXED GLASS	
B	6'-0"X4'-0" H	ALUMINUM	FIXED GLASS	
C	6'-0"X3'-4" H	ALUMINUM	FIXED GLASS	

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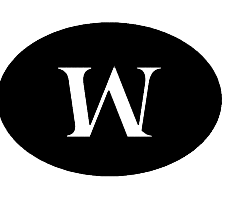
CURRENT REVISION

WINDOW NOTES:
 GLAZING TO BE 3/4" THICK LOW E" INSULATED UNITS W/ "CLEAR" GLASS
 U-VALUE = 0.46 MIN.
 SHGC VALUE = 0.54 MIN.

- #### FIRE SAFETY LEGEND
- (SND) SMOKE/HEAT DETECTOR
 - (PS) PULL STATION
 - (FE) FIRE EXTINGUISHER
 - (EL) EMERGENCY LIGHT/ HORN STROBE PACK
 - (FAB) FIRE ALARM BELL



SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



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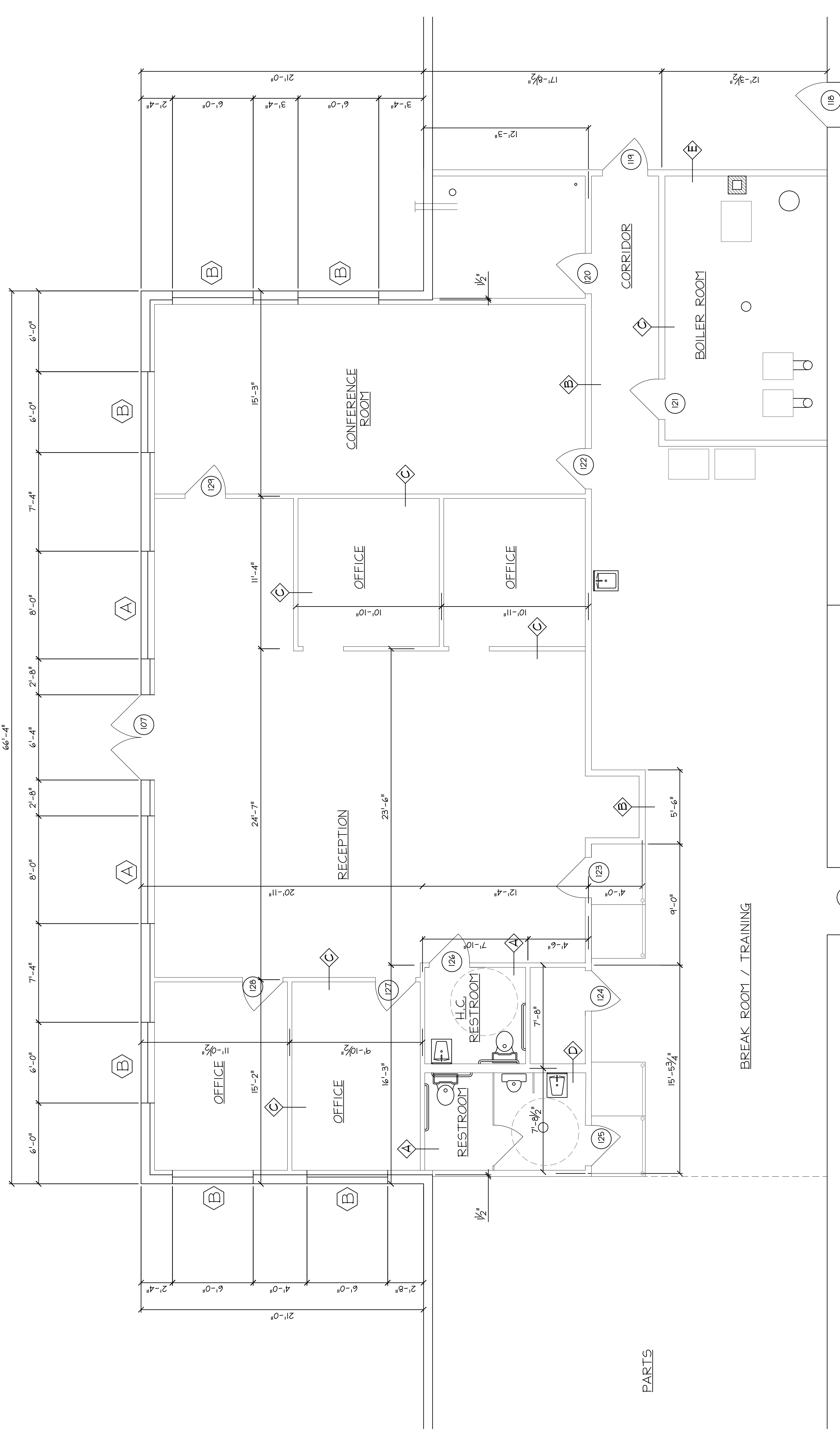
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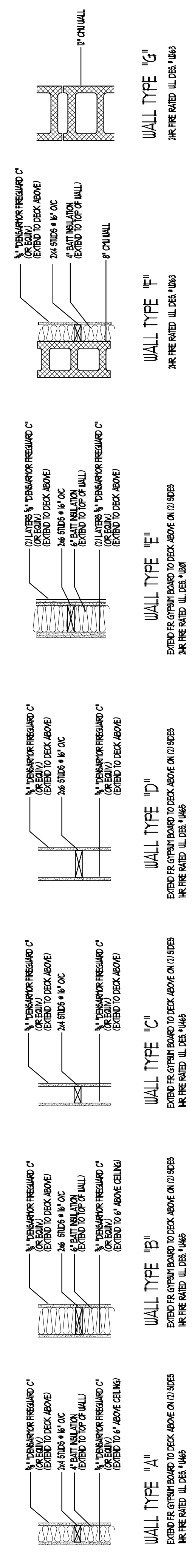
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SHEET TITLE:
 FLOOR PLAN
 A2 OF 13



PART PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"



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SHEET TITLE:
 FIRST FLOOR
 PART PLAN

A3 OF 13

DOORS & WINDOWS:
EXTERIOR STOREFRONT UNITS TO BE ALUMINUM FRAMES WITH THERMAL BREAK, CLEAR ANODIZED FINISH. GLAZING TO BE 1" THICK LOW 'E' INSULATED UNITS 'CLEAR' GLASS

GLAZING TO BE 1" THICK LOW 'E' INSULATED UNITS W/ 'CLEAR' GLASS
FRG SOLARBAN 60' COATED GLASS IN 'CLEAR'

INSTALL SAFETY GLASS AS REQUIRED BY CODE
HOLLOW METAL FRAMES TO BE FLUSH FRAMES; WELDED UNITS

EXTERIOR PERIMETER DOORS TO BE METAL INSULATED
INTERIOR OFFICE DOORS TO BE 1 1/2" SOLID CORE BIRCH VENEER

DOOR HARDWARE:
LOCKS SHALL BE SARGENT 60 LINE HD, CYLINDRICAL KEY-IN-LEVER W/ 26D FINISH
HINGES: (3) 4"x4" HAGER FULL MORTISE #100 FLAIN BEARING STEEL
STOPS (ALL DOORS): HAGER #52F CAST STOP CLOSER: NORTON #605 SURFACE CLOSER

INTERIOR GLAZING:
INTERIOR GLAZING TO BE 1/4" TEMPERED GLASS IN CLEAR ANODIZED ALUMINUM STOREFRONT FRAMES

CODE REVIEW
2003 INTERNATIONAL BUILDING CODE (IBC)
2003 NFPA 01 LIFE SAFETY CODE
USE AND OCCUPANCY CLASSIFICATION
USE GROUP : B - BUSINESS (OFFICE AREA);
USE GROUP : S-1 - MODERATE HAZARD STORAGE (MOTOR VEHICLE REPAIR GARAGE)
TOTAL BUILDING AREA: 157, 91, 1,998 SF
2 ST, 17, 1, 45 STY
720 SF, 2ND STY
2 ST, 20, 18,342 SF

GENERAL BUILDING HEIGHTS AND AREAS: SECTION 503
CONSTRUCTION TYPE: TYPE 3B
USE GROUP : S-1 - MODERATE HAZARD STORAGE (MOTOR VEHICLE REPAIR GARAGE);
CONSTRUCTION TYPE: TYPE 3B
SECTION 506 AREA MODIFICATIONS:
506.2 STREET FRONTAGE INCREASE: (100% FRONTAGE)-(25%) = 75% = 150% ALLOWABLE INCREASE
B-BUSINESS: (19,000 SF)/(75%)(2)+(19,000 SF)= 47,500 SF MAX AREA
S-1 - MODERATE HAZARD STORAGE: (17,500 SF)/(75%)(2)+(17,500 SF)+49,750 SF MAX AREA
SECTION 507 - UNLIMITED AREA BUILDINGS:
507.3 TWO STY EQUIPPED W/ SPRINKLER = UNLIMITED AREA.

FIRE RATINGS:
EXTERIOR WALLS: 0 HOUR
FLOOR CONSTRUCTION: 0 HOUR
STRUCTURAL FRAME: 0 HOUR
BEARING WALLS: 2 HOUR
NONBEARING WALLS: 0 HOUR
CORRIDORS: 1 HOUR
STORAGE: (+100 sf): 1 HOUR
MECHANICAL RPS: 1 HOUR

302.3.1 NONSEPARATED USES
FIRE SEPARATION ARE NOT REQUIRED BETWEEN USES AS THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE OCCUPANCIES APPLIES TO THE ENTIRE BUILDING
903.2.6 GROUP S-1
AN AUTOMATIC SPRINKLER SYSTEM REQUIRED IF THE FIRE AREA CONTAINING THE GROUP S-1 OCCUPANCY IS GREATER THAN 12,000 SF
SPRINKLER SYSTEMS ARE REQUIRED IN THE FIRE AREA CONTAINING THE GROUP S-1 OCCUPANCY IS GREATER THAN 12,000 SF

MEANS OF EGRESS
TABLE 1004.1.2 OCCUPANT LOAD:
BUSINESS: 100 GROSS 1ST FLOOR: (1,948 SF) / 100 SF PER OCCUPANT = 14 OCCUPANTS
STORAGE: 300 GROSS 1ST FLOOR: (16,519 SF) / 300 SF PER OCCUPANT =55 OCCUPANTS
2ND FLOOR: (720 SF) / 300 SF PER OCCUPANT = 2 OCCUPANTS

1018.1 MINIMUM NUMBER OF EXITS
1 - 500. 2 EXITS
1041.1 SPACES WITH ONE MEANS OF EGRESS
EGRESS: MAXIMUM 30 OCCUPANT LOAD
STORAGE: MAXIMUM 30 OCCUPANT LOAD
1062.2 - ONE MEANS OF EGRESS FROM SECOND FLOOR ACCEPTABLE
1006.1 STAIRWAY WIDTH
EXCEPTION #1: 36" IF OCCUPANT LOAD IS LESS THAN 50 OCCUPANTS
1006.1 EGRESS WIDTH PER OCCUPANT (WITH SPRINKLER SYSTEM)
DOORS & CORRIDORS: 0.15' PER OCCUPANT
STAIRWAYS: 0.2' PER OCCUPANT

ACCESSIBILITY NOTES:
RAMPS: 1/2 RISE OVER RUN
DRINKING FOUNTAIN: HIGH/LOW UNIT
SERVICE COUNTER HEIGHT: PROVIDE 48"U x 36" AFF ACCESSIBLE COUNTER (MINIMUM)

BATHROOMS:
TOILETS: SEAT MOUNTED 17"-19" AFF
GRAB BARS MOUNTED 34"-36" AFF
TOILET PAPER DISPENSER MOUNTED 19" AFF MIN. TO 6", AND 30" FROM BACK WALL TO 6"
SINK: 34" MAX TO RIM WITH 27"X8" MIN. KNEE ROOM,
INSULATE HOT WATER AND DRAIN LINES, LEVER OPERATED FAUCET CONTROLS
MIRRORS: 40" AFF MAX. TO BOTTOM EDGE OF MIRROR

BRAILLE NOTES:
GRADE 2 BRAILLE SIGNAGE TO BE LOCATED 60" AFF AT ALL LOCATIONS WHERE CONVENTIONAL SIGNAGE IS INSTALLED.
EXIT
MEN'S ROOM
WOMEN'S ROOM
CONFERENCE ROOM
OFFICE
BREAK ROOM
SERVICE DEPT.
PARTS DEPT.

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PORTLAND, MAINE

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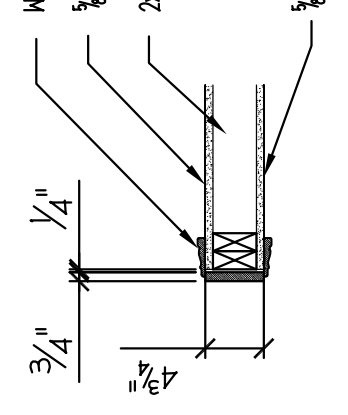
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SHEET TITLE:
NOTES & DOOR SCHEDULE

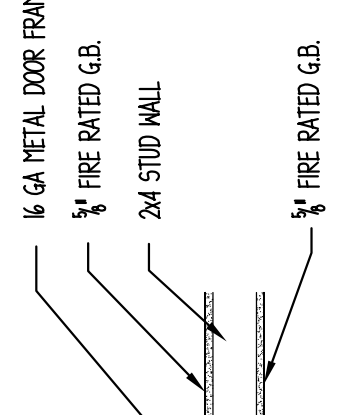
DOOR SCHEDULE

DOOR #	SIZE	LABEL	DOOR		FRAME		REMARKS
			MTRL	ELEV	MTRL	ELEV	
101	12'xkx4'H	---	MTL INS.	OH	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
102	3070	---	MTL INS.	FH	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
103	10'xkx8'H	---	MTL INS.	OH	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
104	3070	---	MTL INS.	F	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
105	10'xkx8'H	---	MTL INS.	OH	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
106	3070	---	MTL INS.	F	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
107	(2) 3070	---	ALUM/GLASS	G/G	MTL	2	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
108	9'xkx8'H	---	MTL INS.	OH	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
109	3070	---	MTL INS.	F	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
110	12'xkx4'H	---	MTL INS.	OH	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
111	12'xkx2'H	---	MTL INS.	OH	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
112	12'xkx2'H	---	MTL INS.	OH	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
113	3070	---	MTL INS.	F	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
114	3070	---	MTL INS.	F	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
115	(2) 3070	---	MTL INS.	F/F	MTL	2	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
116	3070	---	MTL INS.	F	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
117	5070	---	MTL INS.	HG	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
118	3070	---	MTL INS.	FG	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
119	3070	---	MTL INS.	FG	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
120	3070	---	MTL INS.	F	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
121	3070	---	MTL INS.	F	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
122	3070	---	MTL INS.	F	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
123	3070	---	MTL INS.	F	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
124	3070	---	MTL INS.	F	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
125	3070	---	MTL INS.	F	MTL	1	SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL
126	3070	---	OAK	P	MD	1	FRAMED OPENING PANIC HARDWARE & EXT. PULL
127	3070	---	OAK	P	MD	1	FRAMED OPENING PANIC HARDWARE & EXT. PULL
128	3070	---	OAK	P	MD	1	FRAMED OPENING PANIC HARDWARE & EXT. PULL
129	3070	---	OAK	P	MD	1	FRAMED OPENING PANIC HARDWARE & EXT. PULL
130	3070	---	OAK	P	MD	1	FRAMED OPENING PANIC HARDWARE & EXT. PULL
131	3070	---	OAK	P	MD	1	FRAMED OPENING PANIC HARDWARE & EXT. PULL

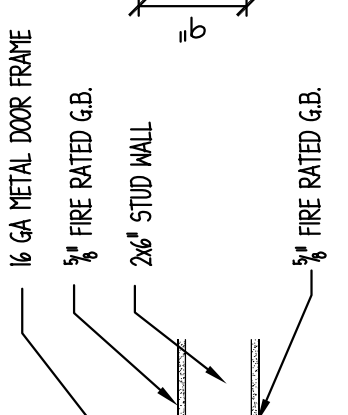
NOTE - ALL 3070 DOORS TO HAVE LEVER HANDLES



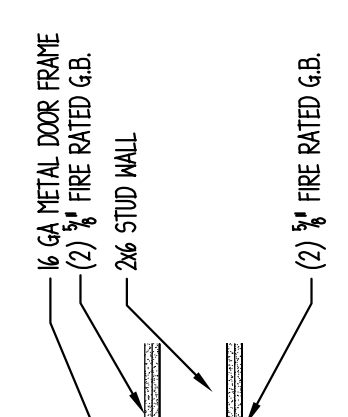
JAMB DETAIL 'A'



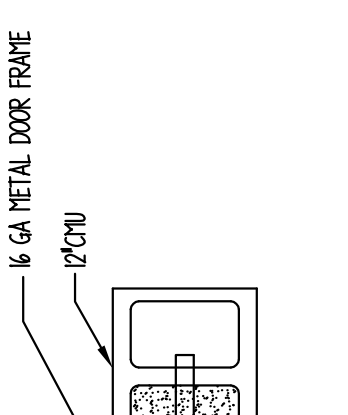
JAMB DETAIL 'B'



JAMB DETAIL 'C'



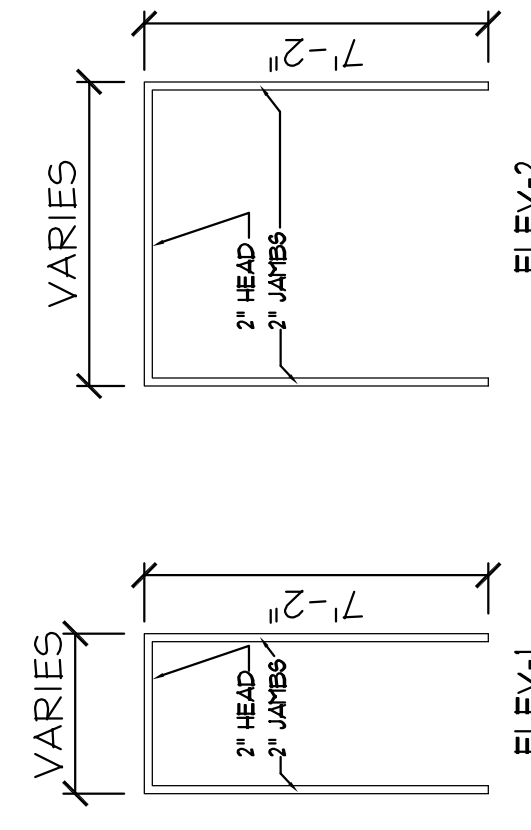
JAMB DETAIL 'D'



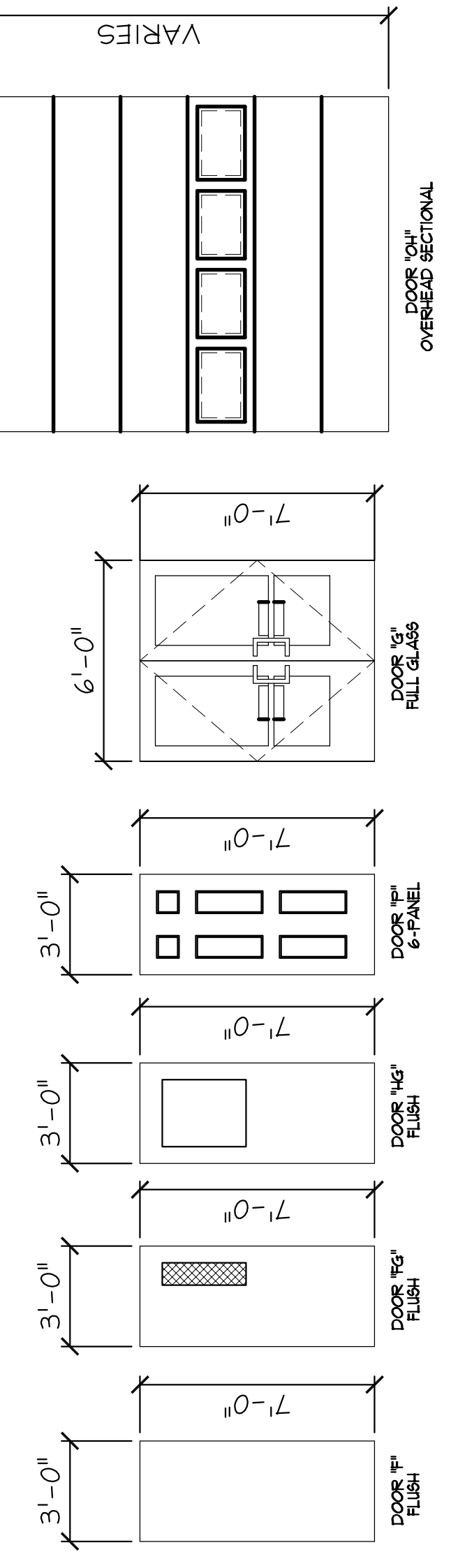
JAMB DETAIL 'E'

DOOR ELEVATIONS

INSTALL SAFETY GLASS AS REQUIRED BY CODE
ALL HOLLOW METAL FRAMES TO BE HD WELDED FRAMES (FLUSH FRAMES)
METAL INSULATED DOORS TO BE 1/4" THICK
EXTERIOR PERIMETER DOORS TO BE METAL INSULATED
OVERHEAD DOORS SHALL BE CONSTRUCTED OF 3 LAYERS
25ga EXTERIOR EXTRUDED POLYSTYRENE R-VALUE = 11.05
AND 29ga. INTERIOR
DOOR HARDWARE:
LOCKS SHALL BE SARGENT 60 LINE HD, CYLINDRICAL KEY-IN-LEVER W/ 26D FINISH
HINGES: (3) 4"x4" HAGER FULL MORTISE #100 FLAIN BEARING STEEL
STOPS (ALL DOORS): HAGER #52F CAST STOP CLOSER: NORTON #605 SURFACE CLOSER
FRONT ENTRY EXIT DEVICE:
SARGENT #400 SERIES VERTICAL ROD/CONCEALED W/ 3" OFFSET PULLS @ EXTERIOR



FRAME ELEVATIONS



GENERAL NOTES:

- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE STRUCTURE AND PERSONNEL DURING ERECTION. THIS INCLUDES THE ADDITION OF THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
- IT IS THE OWNER'S SOLE RESPONSIBILITY TO EMPLOY ONE OR MORE SPECIAL INSPECTORS (IF REQUIRED) TO PROVIDE INSPECTIONS IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF IBC 2003.

STRUCTURAL DESIGN CRITERIA:

- BUILDING CODE: IBC 2003 INTERNATIONAL BUILDING CODE
- DESIGN WIND LOADS - MAIN WIND FORCE RESISTING SYSTEM:
DESIGN WIND SPEED = 100 MPH
BUILDING USE IMPORTANCE FACTOR (I_M) = 1.0
BUILDING EXPOSURE CATEGORY = B
DESIGN WIND PRESSURE, ROOF: (PITCHED)
NORMAL TO RIDGE:
LEEWARD = -13.3 PSF
WINDWARD = -9.6 PSF
PARALLEL TO RIDGE FROM EAVE:
0 TO 11' = -19.1 PSF
11' TO 22' = -10.8 PSF
22' TO RIDGE = -13.3 PSF
DESIGN WIND PRESSURE, WALLS:
LEEWARD = +10.3 PSF
WINDWARD = -8.6 PSF
SIDE WALLS = -4.6 PSF
DESIGN WIND PRESSURE OVERHANG = -19.1 PSF
- DESIGN WIND LOADS - COMPONENTS AND CLADDING:
EXPOSURE CATEGORY = B
DESIGN WIND PRESSURE, WALLS
PRESSURE = +16.1 PSF
SUCTION = -17.6 PSF
DESIGN WIND PRESSURE, ROOF: (PITCHED)
PRESSURE = +13.0 PSF
SUCTION:
ZONE 1 = -15.4 PSF
ZONE 2 = -23.3 PSF
ZONE 3 = -43.6 PSF
- SNOW:
GROUND SNOW LOAD = 60 PSF
IMPORTANCE FACTOR, I = 1.0
EXPOSURE FACTOR, C_e = 1.0
FLAT ROOF SNOW LOAD = 42 PSF
- FLOOR LOAD
CONFERENCE ROOM / ASSEMBLY OFFICES = 100.0 PSF
SECOND FLOOR LIGHT STORAGE AREA = 50.0 PSF
TOP CHORD = 10.0 PSF
BOTTOM CHORD = 125.0 PSF

FOUNDATION NOTES:

- FOUNDATION DESIGNED BASED ON A REPORT BY SEBAGO TECHNICS DATED 12/7/07. ALLOWABLE BEARING PRESSURE OF 1500 PSF. IT IS THE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO VERIFY THE SOIL BEARING CAPACITY. NOTIFY THE ENGINEER AND STOP WORK IF CLAY, MET SOILS, FILL, OR OTHER DELETERIOUS MATERIALS ARE ENCOUNTERED.
- DESIGN OF EXTERIOR FOUNDATIONS IS BASED ON A FROST DEPTH OF 4'-6" BELOW FINISHED GRADE.
- NO HORIZONTAL JOINT WILL BE PERMITTED IN THE WALLS UNLESS NOTED OTHERWISE.
- EXCAVATING AND BACK FILLING AT NEW AND EXISTING FOUNDATION WALLS SHALL BE DONE SUCH THAT SYMMETRICAL LOADING SHALL BE MAINTAINED ON BOTH SIDES. WHERE DESIGN CONDITIONS REQUIRE DIFFERENT BACK FILL HEIGHTS, WALLS SHALL BE FIRMLY SHORED IN POSITION, AND SHORES SHALL REMAIN UNTIL FLOORS ARE PLACED AND PROPERLY SET, TO PROVIDE FULL SUPPORT.
- VAPOR BARRIER BENEATH SLAB SHALL BE "STEGO MRAP" OR APPROVED EQUAL.
POLYETHYLENE IS NOT AN ALTERNATE PRODUCT.
- PROVIDE AND INSTALL (2) #4 BARS, 4'-0" LONG, AT EACH RE-ENTRANT CORNER. BAR SHALL BE PLACED AT 45° TO OPENING.

CONCRETE NOTES:

- ALL CONCRETE WORK SHALL CONFORM TO ACI-318.
- CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3000 PSI, MAXIMUM SIZE AGGREGATE SHALL BE ¾".
- CONCRETE TO REMAIN EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
- CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
- NO AIR ENTRAINMENT IN INTERIOR FLOOR SLABS.
- REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60. DEFORMED BARS SHALL BE DETAILED AND FABRICATED IN ACCORDANCE TO ACI-318 LATEST EDITION, AND PLACED IN ACCORDANCE WITH ACI-318.
- SPICES OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI-318.
- ANCHOR RODS SHALL CONFORM TO ASTM F1554-36.
- HOOKS NOT DIMENSIONED SHALL BE ACI STANDARD HOOKS.
- CONCRETE COVER OVER REINFORCEMENT SHALL BE AS FOLLOWS:
CONCRETE CAST AGAINST EARTH = 3"
CONCRETE EXPOSED TO EARTH OR WEATHER = 1½"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER = ¾"
- SUBMIT COMPLETE REBAR SHOP DRAWINGS AND SCHEDULES SHOWING ALL DETAILS AND ELEVATIONS PRIOR TO ANY FABRICATION.

STRUCTURAL STEEL NOTES - GENERAL

- STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC SPECIFICATION FOR THE DESIGN FABRICATION, AND ERECTION OF STRUCTURAL STEEL 15th EDITION.
- ALL STEEL SHAPES AND PLATES TO BE ASTM A36 UNLESS NOTED OTHERWISE. ALL WF SHAPES TO BE ASTM A992 GR 50
- STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B. STEEL PIPES SHALL BE A53, GRADE B
- THE DESIGN OF CONNECTIONS NOT SHOWN ON THE DRAWINGS SHALL BE PROVIDED BY THE FABRICATOR. CONNECTIONS SHALL BE DESIGNED FOR THE FORCES SHOWN, OR IF NOT SHOWN, EACH CONNECTION SHALL BE CAPABLE OF SUPPORTING ONE HALF THE FULL AVAILABLE JOINT LOAD CAPACITY OF THE MEMBER, PROVIDED THE MEMBER IS FULLY RESTRAINED BY THE FABRICATOR. PROVIDE CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF MAINE FOR ALL CONNECTIONS.
- ALL BOLTED CONNECTIONS SHALL BE MADE WITH ¾" Ø ASTM A325 HIGH STRENGTH BOLTS.
- WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 - LATEST EDITION. ALL WELDS SHALL BE MADE WITH E70XX ELECTRODES.
- STEEL BEAMS AND COLUMNS SHALL BE CUT FROM FULL LENGTH STOCK. UNAUTHORIZED SPLICES WILL BE CAUSE FOR REJECTION.
- STRUCTURAL STEEL SHALL BE PAINTED WITH A SHOP APPLIED COAT OF THE FABRICATOR'S RUST INHIBITIVE PRIMER.
- PROVIDE ½" Ø THRU BOLTS STAGGERED @ 24" O.C. FOR ATTACHMENT OF 2x NAILER AT TOP & BOTTOM OF WF BEAM (COORDINATE w/ PLANS)
- SUBMIT COMPLETE STRUCTURAL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION.

WOOD FRAMING NOTES:

- STRUCTURAL LUMBER: SPRUCE PINE FIR NO1/NO2 OR BETTER
F_b = 875 PSI F_v = 70 PSI
E = 1400000 PSI
Fc = 1150 PSI E = 1400000 PSI
- DESIGN CODE: IBC 2003 / NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- NAILING REQUIREMENTS FOR PLYWOOD ROOF DECK:
PROVIDE 8d NAILS AS FOLLOWS UNLESS SHOWN OTHERWISE:
8d NAILS @ 6" o.c. ALONG PANEL EDGES
8d NAILS @ 8" o.c. ALONG INTERMEDIATE MEMBERS USING MULTIPLE 2x LUMBER.
- SPIKE TOGETHER ALL FRAMING MEMBERS WHICH ARE BUILT-UP
- PROVIDE GALVANIZED METAL TIES EQUAL TO SIMPSON H2.5 HURRICANE TIES BETWEEN ROOF RAFTERS OR TRUSSES AND SUPPORTING WALL MEMBERS, UNLESS SHOWN OTHERWISE.
- PROVIDE PRESSURE TREATED LUMBER FOR ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE.
- ROOF SHEATHING: 5/8" APA RATED SHEATHING, EXTERIOR OR INTERIOR. ALL SHEATHING SHALL BE NAILING USING 152/16 G GALVANIZED STEEL NAILS. ALL SHEATHING SHALL BE NAILING IN DIRECTION PERPENDICULAR TO SUPPORTING MEMBERS.
- PROVIDE ½" Ø THRU BOLTS STAGGERED @ 24" O.C. FOR ATTACHMENT OF 2x NAILER AT TOP & BOTTOM OF WF BEAM (COORDINATE w/ PLANS)
- ALL NAILS, SPIKES, BOLTS ETC. CONNECTING PRESSURE TREATED LUMBER SHALL BE EITHER STAINLESS STEEL OR HEAVY GALVANIZED.

MASONRY GENERAL NOTES

- ALL MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530.1.
- CONCRETE MASONRY SHALL BE ASTM C90, GRADE N, TYPE 1 STANDARD WEIGHT UNITS MIN. PRISM STRENGTH, F'm = 1500 PSI IN 28 DAYS.
- JOINT REINFORCING SHALL BE ASTM A82.
GROUT SHALL ASTM C476, TYPE 1 FINE GROUT.
MORTAR SHALL BE ASTM C270 TYPE S.
MORTAR CEMENT SHALL BE ASTM C150 TYPE 1.
MORTAR SHALL NOT BE USED WHERE GROUT IS SPECIFIED.
- ALL REINFORCING SHALL BE 60,000 PSI YIELD, NEW BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
SPICE LENGTHS: #4 BAR = 2'-0"
#5 BAR = 2'-6"
- ALL MASONRY BLOCK WALLS SHALL BE OF SINGLE W/THE CONSTRUCTION, AND AID IN RUNNING BOND. TOOL ALL JOINTS CONCAVE. PROVIDE FULL MORTAR COVERAGE ON ALL WEBS AND SHELLS.
- ALL MASONRY BLOCK WALLS SHALL BE COMPLETE WITH STANDARD TRUSSES TYPE HORIZONTAL REINFORCING W/ 3/16" DIA. SIDE RAILS AND 9 GAUGE CROSS TIES, UNO. AS MANUFACTURED BY "DUR-O-HALL" OR APPROVED EQUAL. REINFORCEMENT SHALL BE PLACED AT EVERY SECOND COURSE. PREFABRICATED CORNERS AND TEES SHALL BE USED AS REQUIRED.
- CORNER BLOCKS AND END BLOCKS SHALL BE USED TO FINISH ALL 90° CORNERS AND WALLS OPENINGS.
- ALL STEEL SUPPORTED BY BLOCK WORK SHALL BE ANCHORED BY BOND WELDING TO BEARING PLATES PROPERLY EMBEDDED IN THE BOND BEAM.
- ALL WALLS TO HAVE VERTICAL CONTROL JOINTS AT A MAXIMUM SPACING OF 25'-0". WHERE CONTROL JOINTS PASS THROUGH BOND BEAM, REINFORCING SHALL BE CONTINUOUS. RAKE JOINT IN BOND BEAM AND SEAL BOTH SIDES.
- HORIZONTAL JOINT REINFORCEMENT:
A. CONTINUOUS AROUND CORNERS.
B. DISCONTINUOUS THROUGH CONTROL JOINTS.
C. PROVIDE ADDITIONAL JOINT REINFORCEMENT IN FIRST TWO BED JOINTS ABOVE AND BELOW WALL OPENINGS. EXTEND TO 24" BETOND OR TO NEXT CONTROL JOINT.

PRECAST CONC. LINTEL SCHEDULE

CLEAR SPAN	WIDTH	DEPTH	REINF.	COMMENTS
< 6'-0"	8" or 12"	8"	(2)#5 T#B	
6'-0" - 9'-4"	8" or 12"	16"	(2)#5 T#B	
9'-4" - 12'-0"	12"	16"	(4)#5 T#B	

NOTE: CONCRETE F'_c = 4000 PSI.
REBAR F_y = 60,000 PSI.

WOOD TRUSS NOTES:

- DESIGN CRITERIA FOR ROOF SYSTEM:
PER STRUCTURAL DESIGN CRITERIA
A. LIVE LOAD (SNOW)
B. DEAD LOAD
C. WIND LOAD
D. LOAD COMBINATIONS
E. ALLOWABLE DEFLECTION = L/360
F. PROVIDE BOTTOM CHORD CAMBER EQUAL TO THE TRUSS DEAD LOAD DEFLECTION.
- MATERIALS:
A. STRESS GRADED LUMBER, METAL PLATE CONNECTORS
- APPLICABLE SPECIFICATIONS:
A. NATIONAL DESIGN SPECIFICATIONS FOR STRESS GRADE LUMBER AND ITS FASTENING (NDS).
B. MOST RECENT AITC STANDARDS.
C. DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES. TPI LATEST EDITION.
- BRACING:
A. TRUSS MANUFACTURER SHALL SPECIFY ALL BRACING FOR ALL TRUSSES. CONSULT WITH MANUFACTURER FOR PERMANENT BRACING TO SUPPORT COMPRESSION MEMBERS, GABLE END WALLS, AS WELL AS ERECTION PROCEDURES. FURNISH BRACING REQUIREMENTS AND INSTRUCTIONS TO TRUSS MANUFACTURER. ALL INCLUDE AND CONFORM TO HB-91.
C. ALL TEMPORARY AND PERMANENT BRACING SHALL BE MINIMUM 2X4 SPF No. 2 MATERIAL, UNLESS OTHERWISE SPECIFIED BY TRUSS MANUFACTURER OR HB-91.
D. THE CONTRACTOR SHALL COMPLY WITH THE "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING, AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, HB-91." THE RESPONSIBILITY OF THE INSTALLER/CONTRACTOR TO BRACE TRUSSES, JOIST, STOPS, AND BRACE INSTALL, AND BRACE TRUSSES TO PROTECT LIFE AND PROPERTY.
- ALL FABRICATED TRUSSES SHALL RECEIVE THE TPI MARK OF APPROVAL IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE PROCEDURES.
- SUBMIT TRUSS SHOP DRAWINGS FOR REVIEW PRIOR TO TRUSS MANUFACTURE.
- ANY VARIATIONS BY THE TRUSS MANUFACTURER FROM THESE DRAWINGS INCLUDING BUT NOT LIMITED TO THE NEED FOR BIRD MOUTHS SHALL BE CLEARLY NOTED ON THE TRUSS DRAWINGS. APPROPRIATE DETAILS SHALL BE PROVIDED WHICH SHOW SUCH VARIATIONS. ALL VARIATIONS SHALL BE APPROVED BY THE ENGINEER.

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MOODY'S COLLISON CENTER

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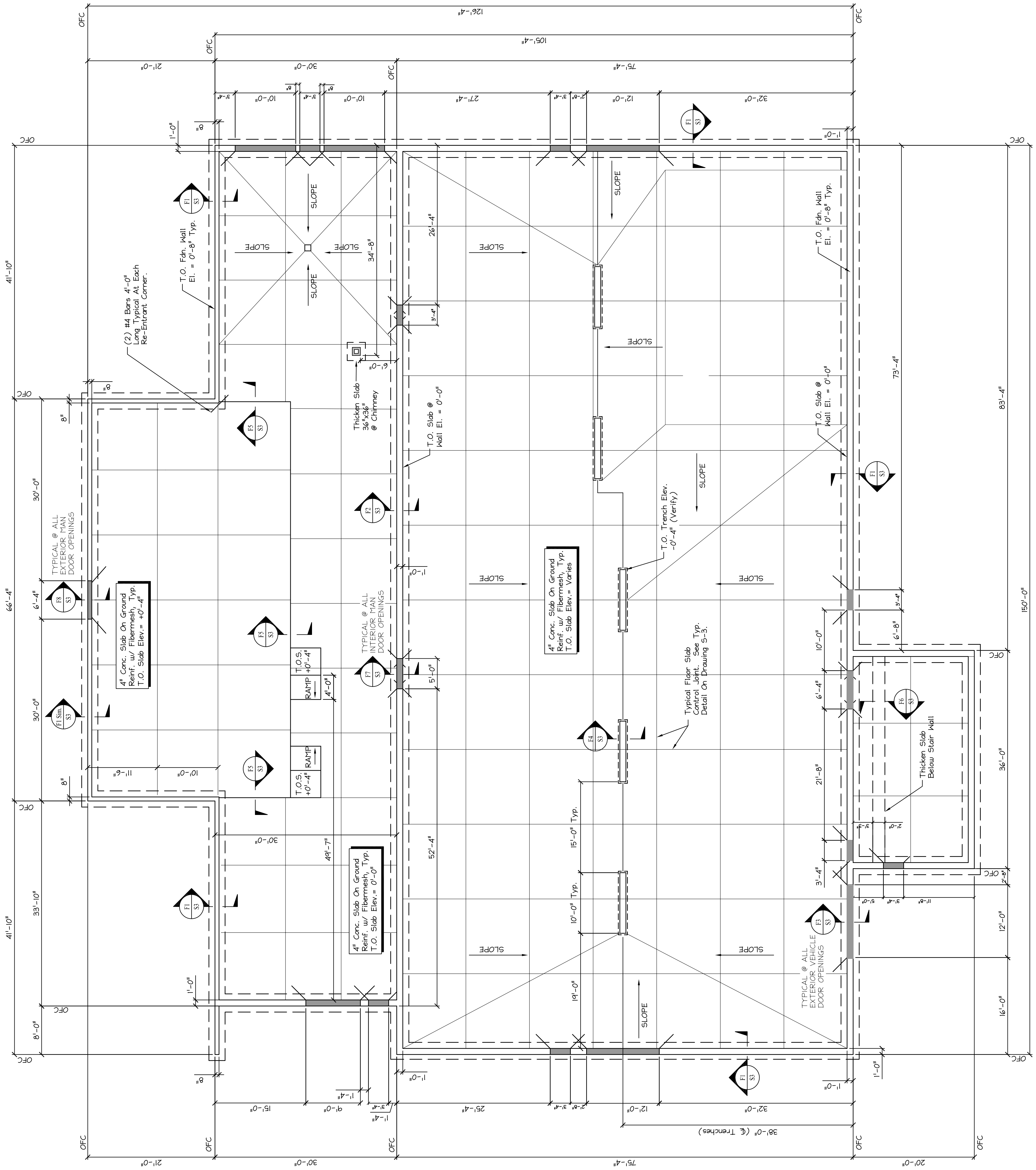
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 FOUNDATION
 PLAN

S2 OF 13

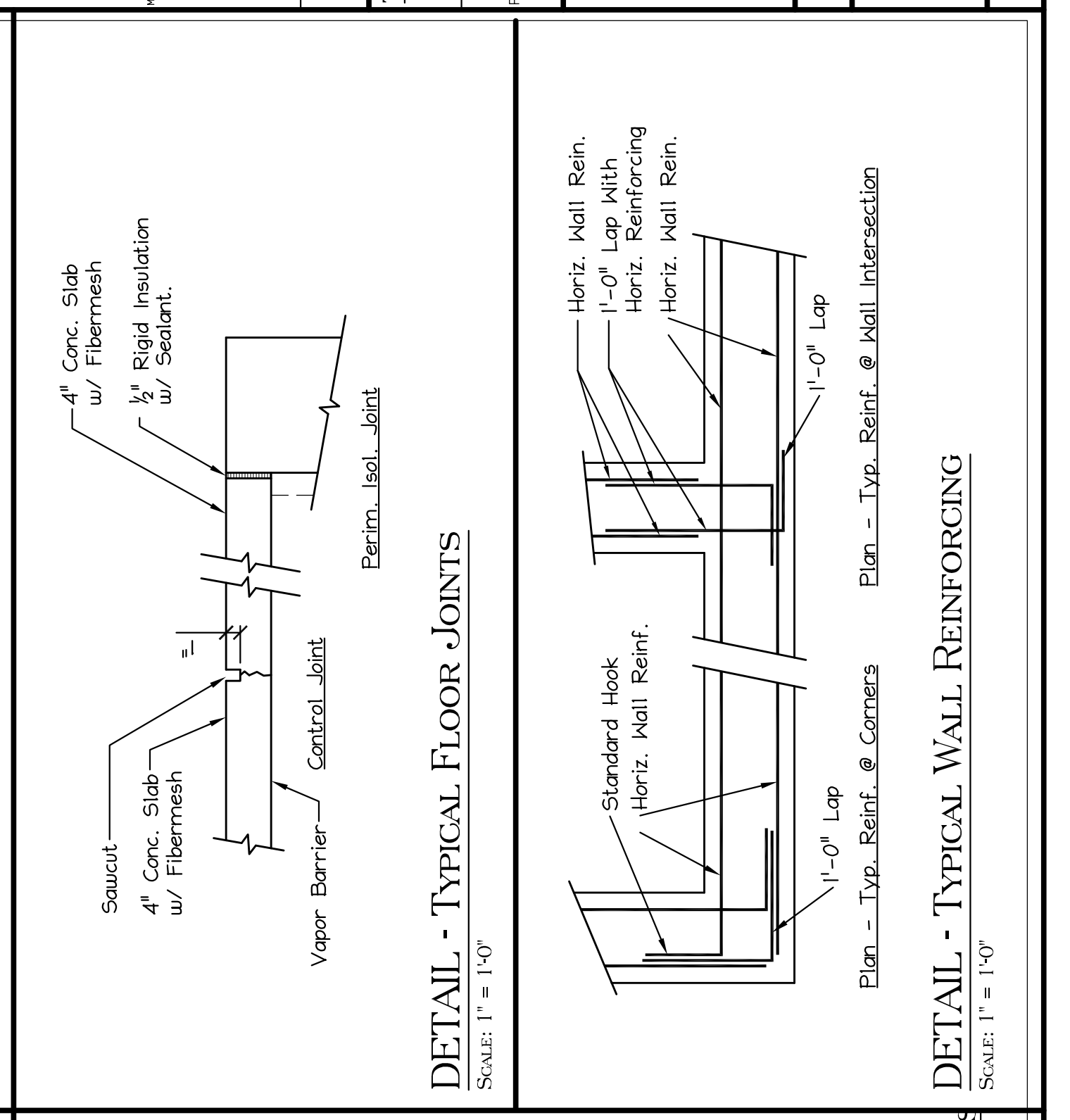
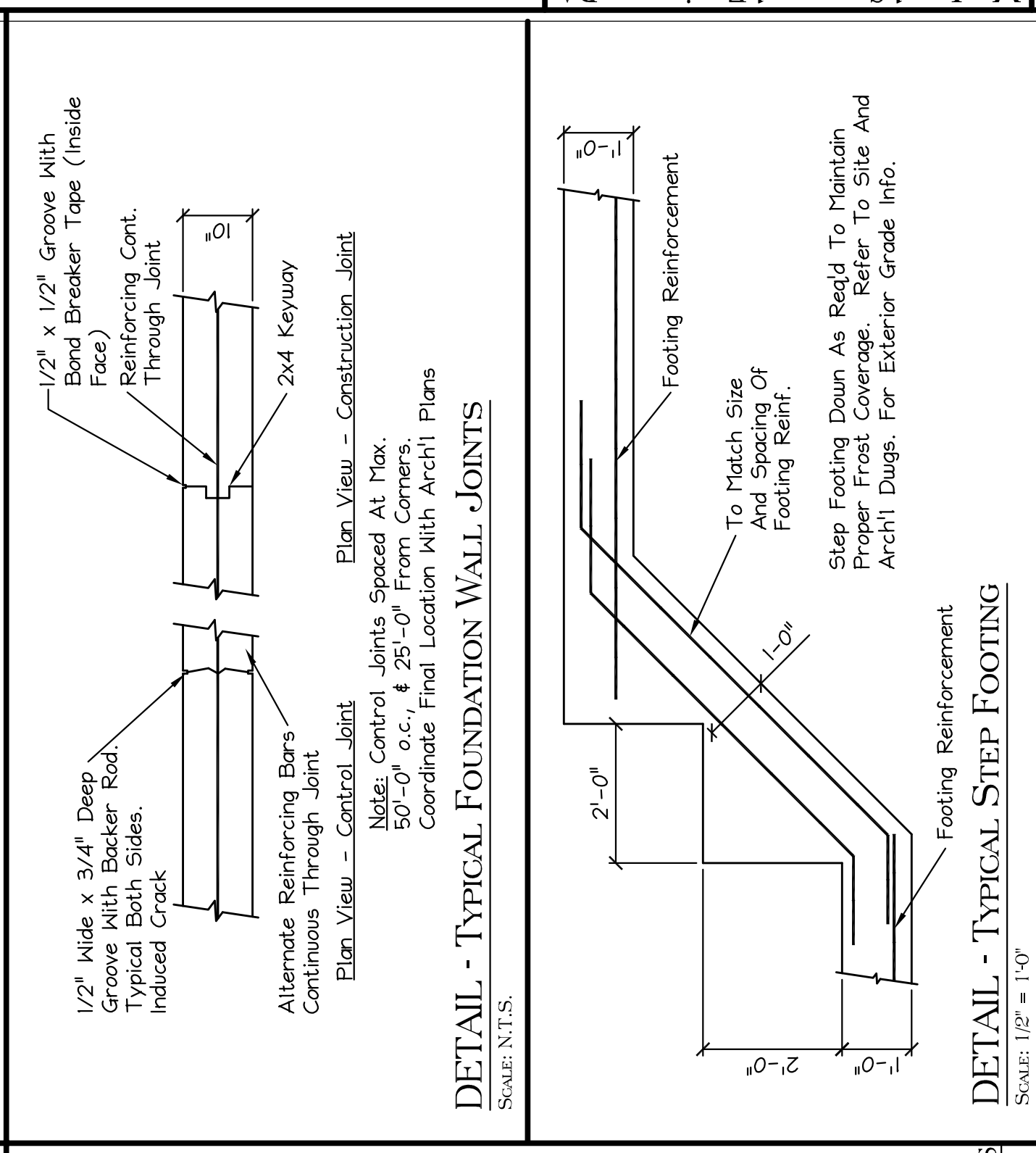
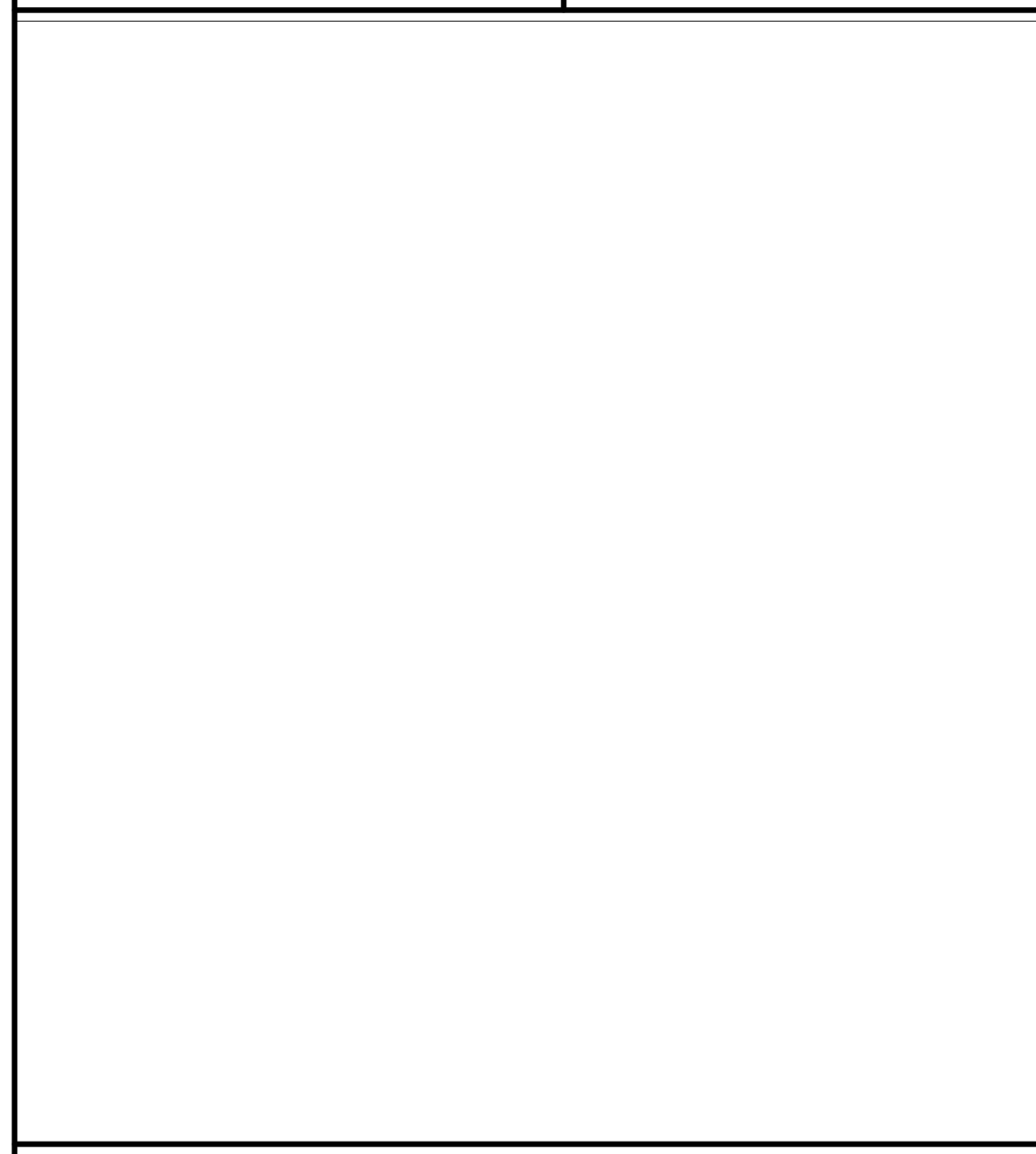
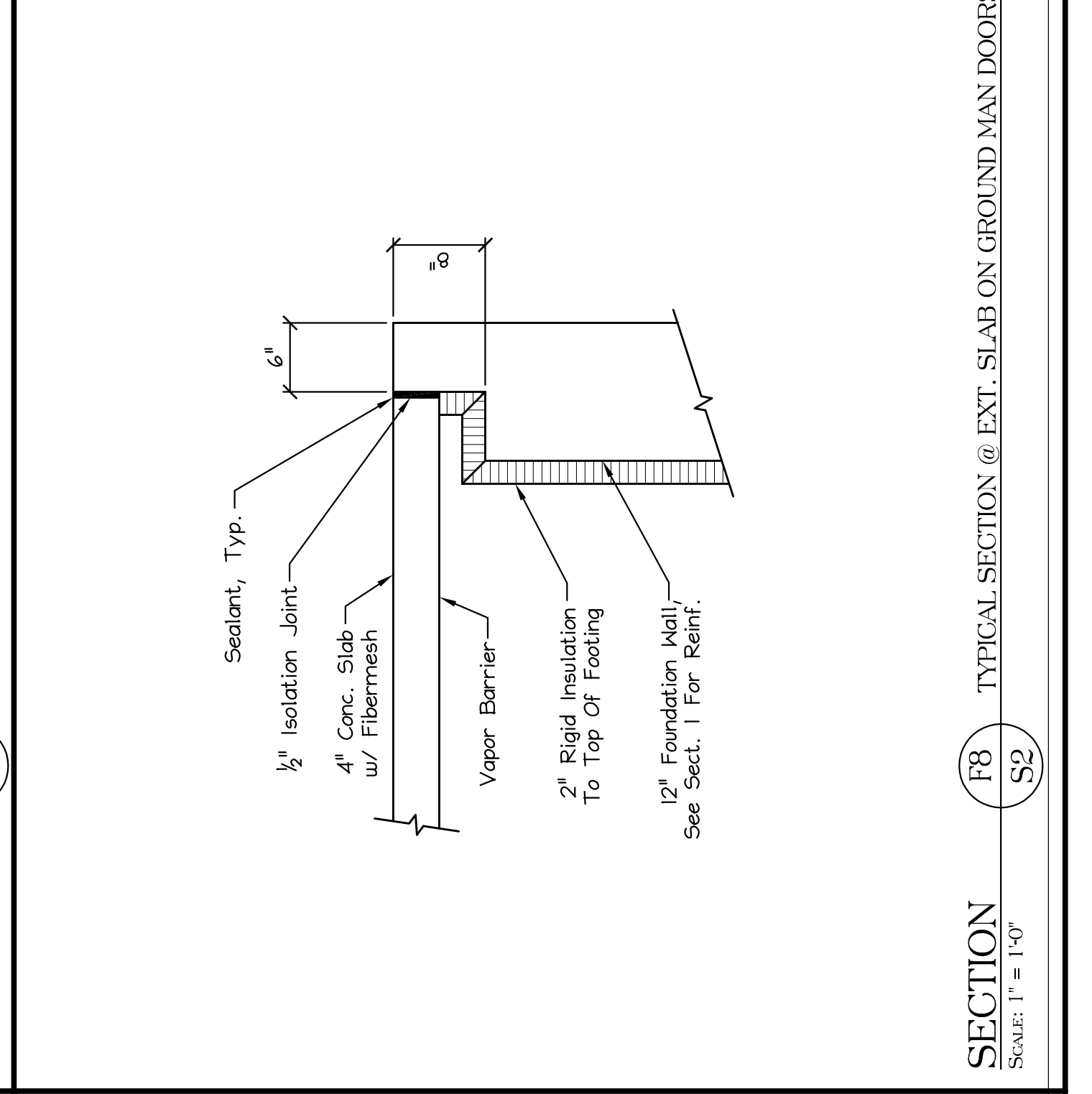
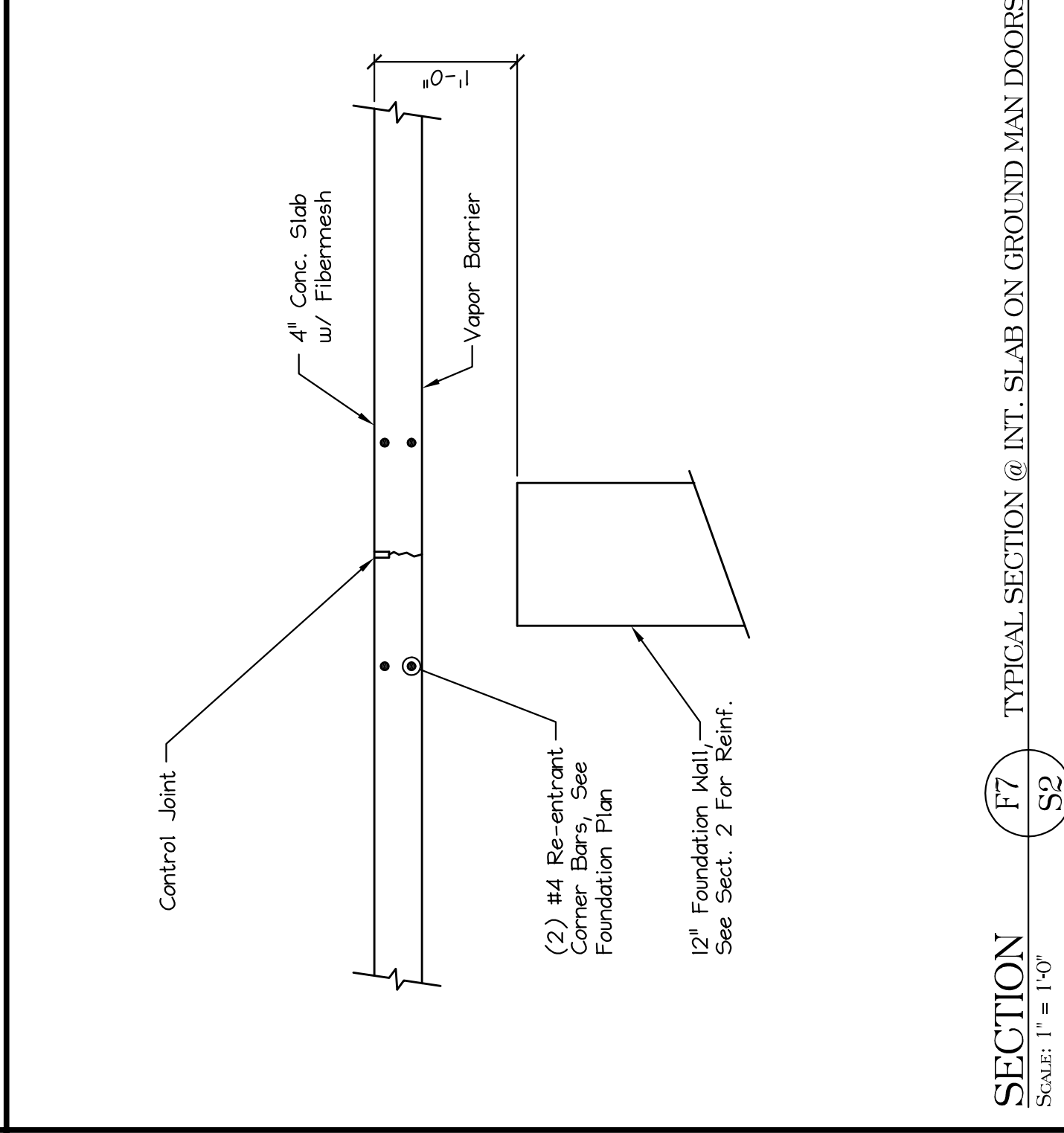
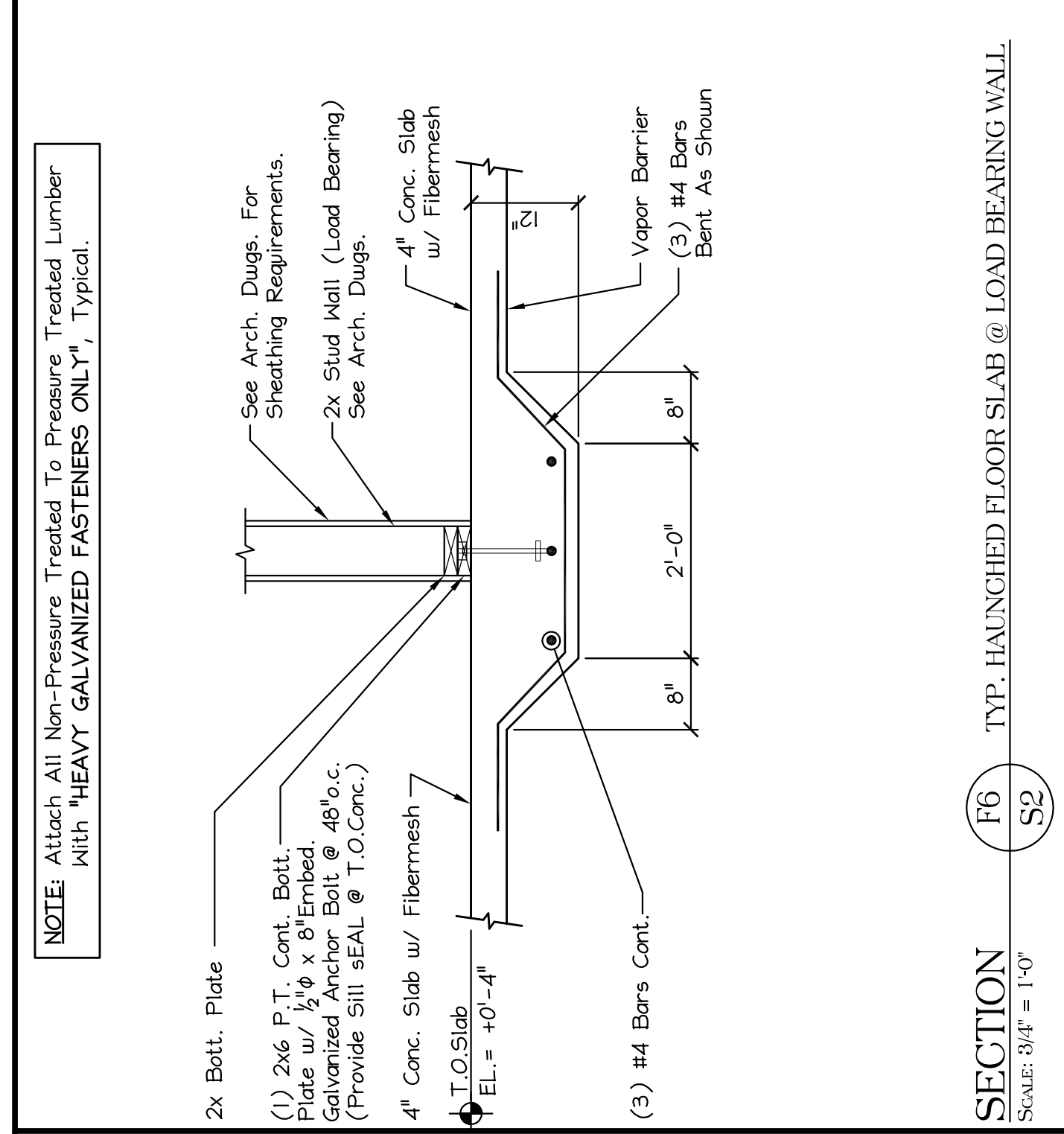
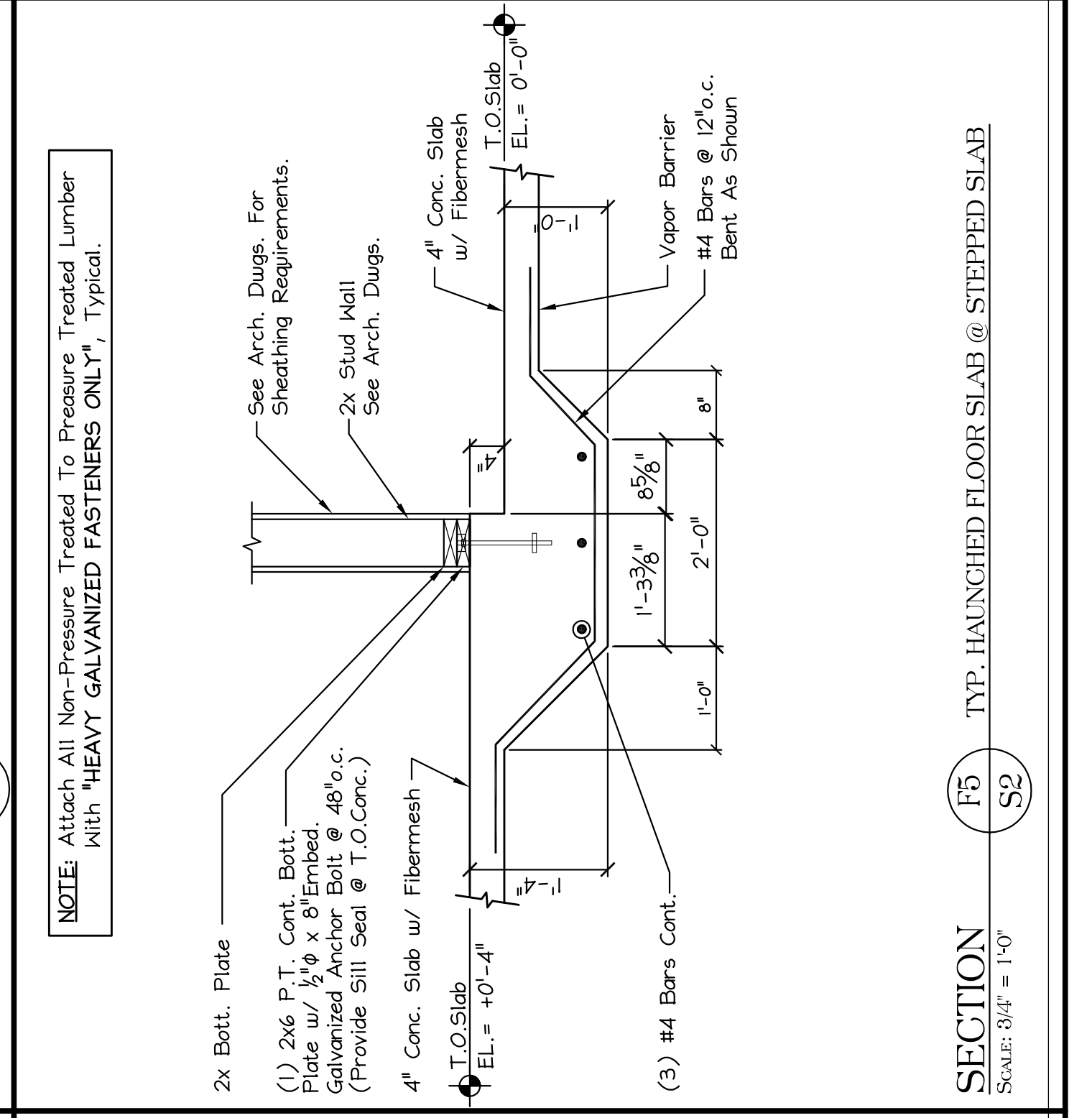
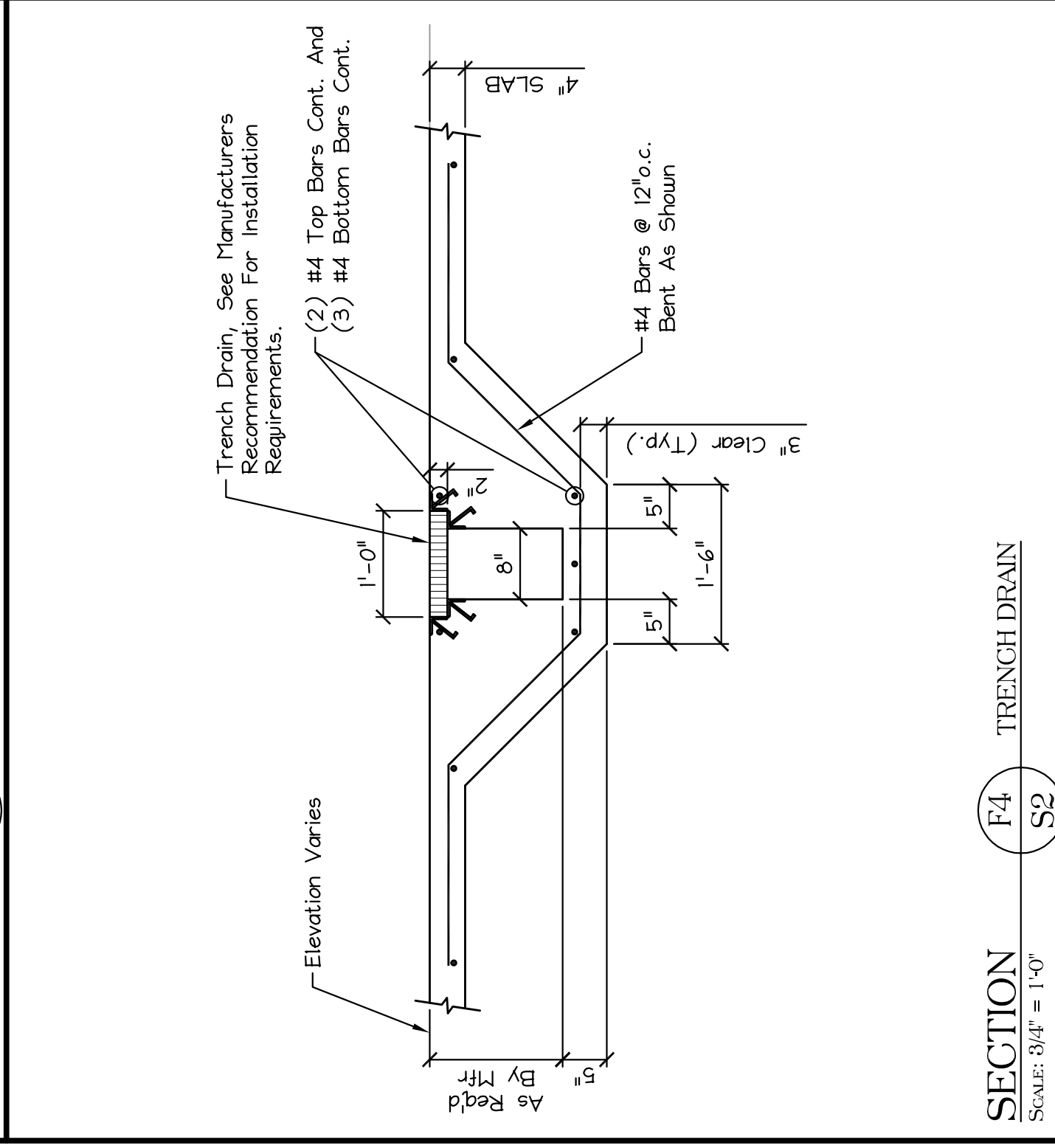
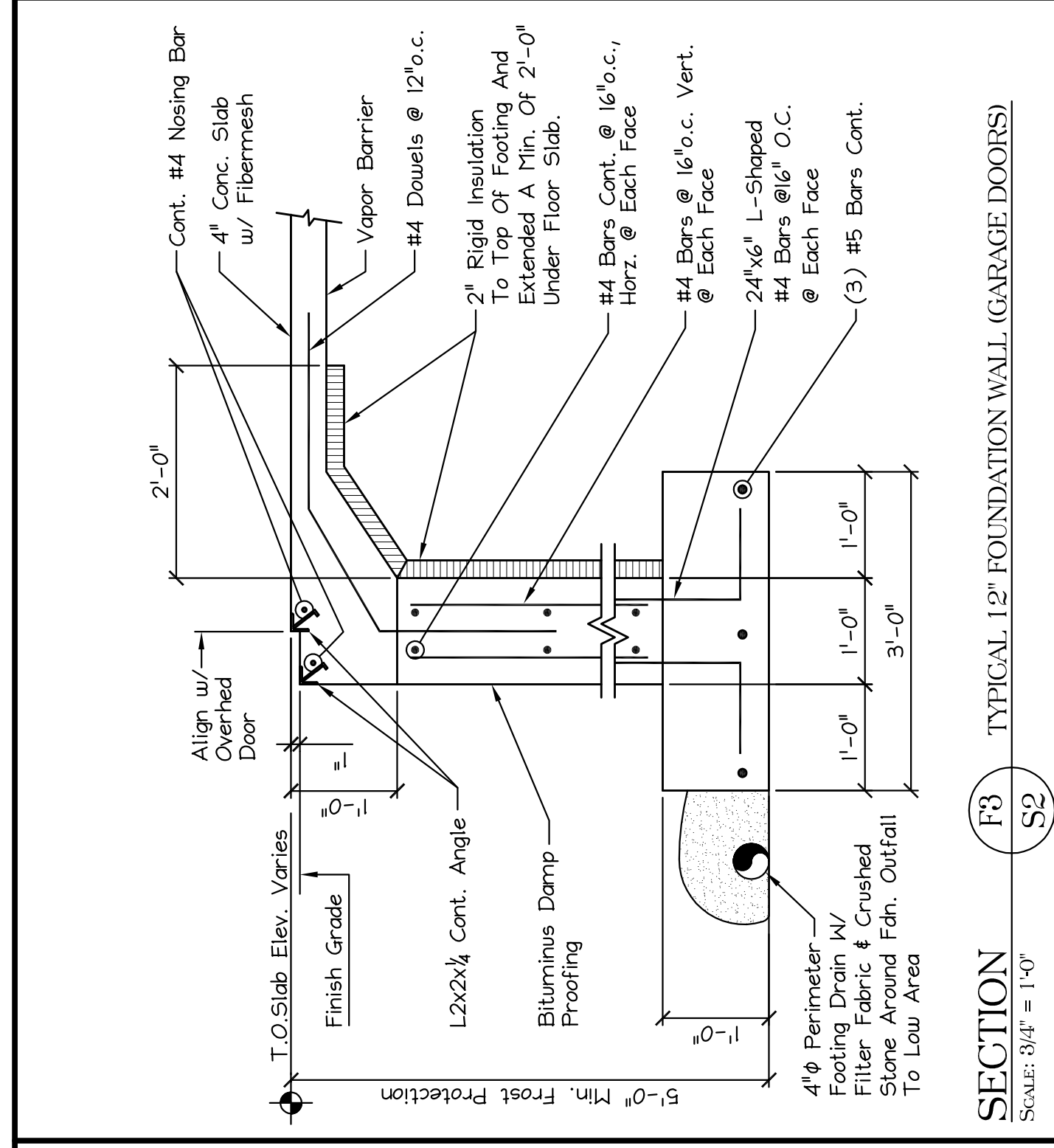
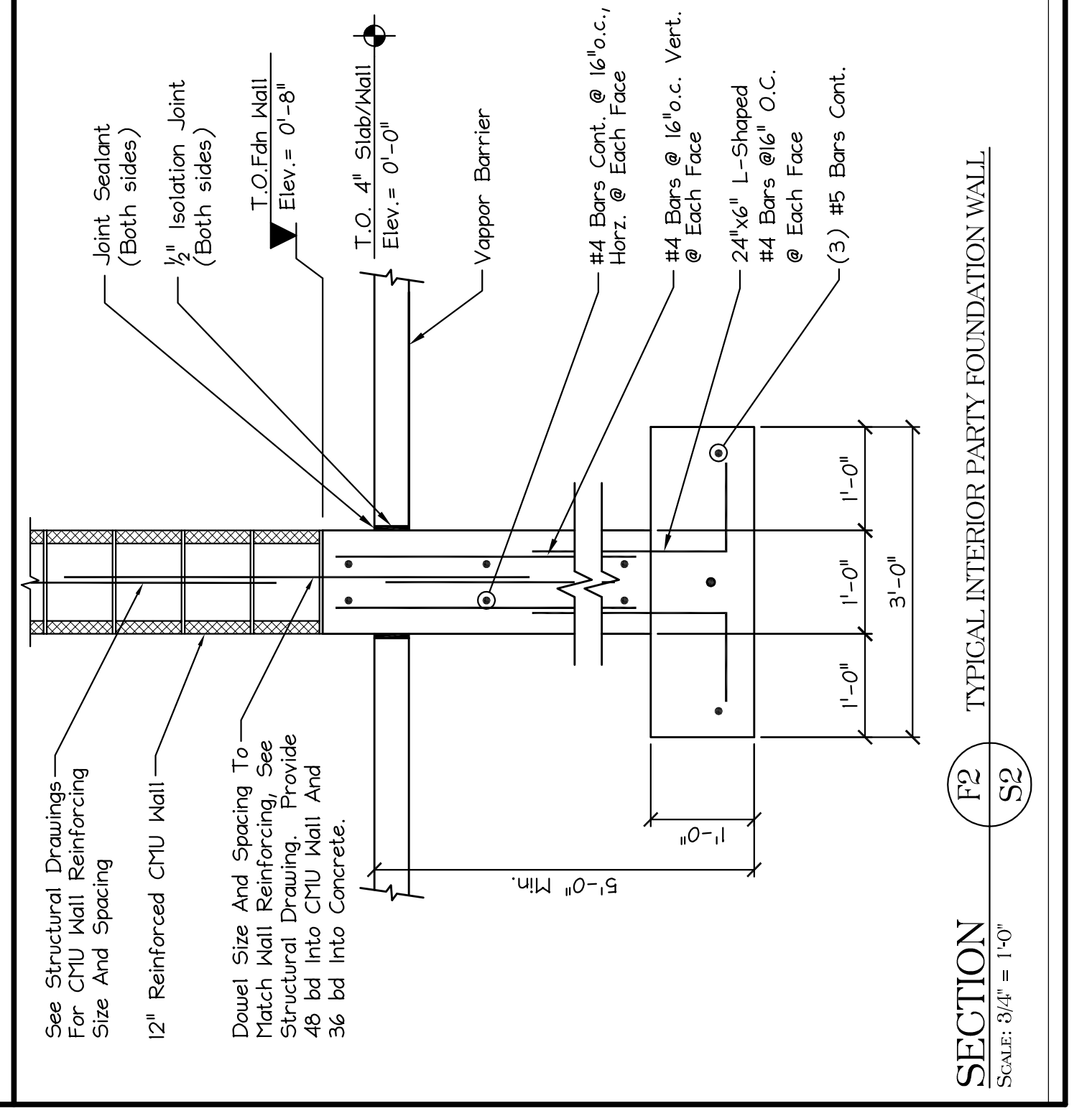
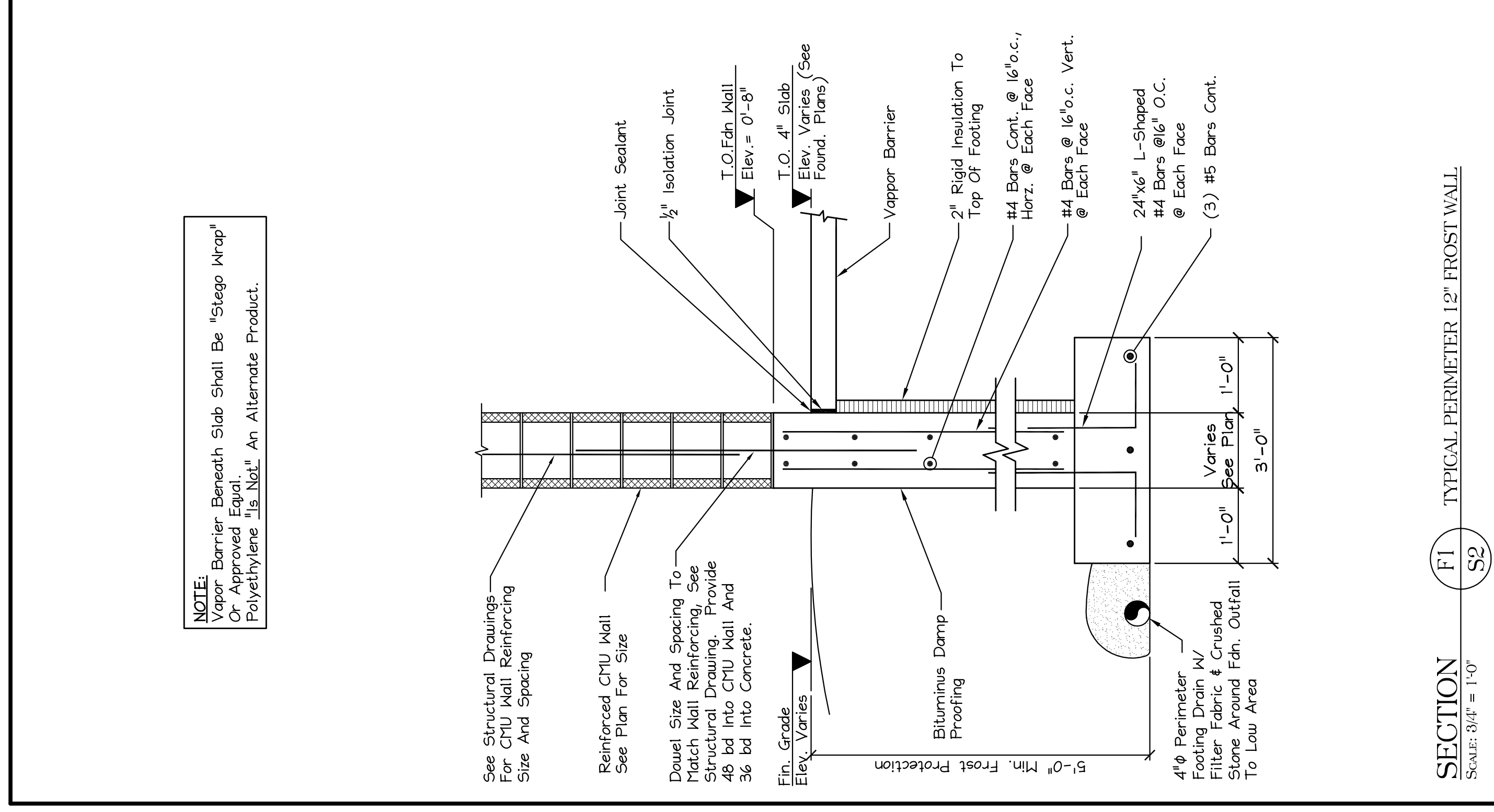
FOUNDATION NOTES:

Foundation Elevations:
 Top Of Slab... EL. = 0'-0" U.N.O. | Verify With
 Top Of Fdn. Wall... EL. = (+0'-8") U.N.O. | Arch'D Duqgs.

C.J. Indicates Location Of Control Joint
 OFC Indicates Outside Face Of Concrete
 BP-# Indicates Base Plate Type. See Sheet
 S3, Sect. 9 For Detail And Section.



FOUNDATION PLAN
 Scale: 1/8" = 1'-0"



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MOODY'S COLLISON CENTER

PORTLAND, MAINE

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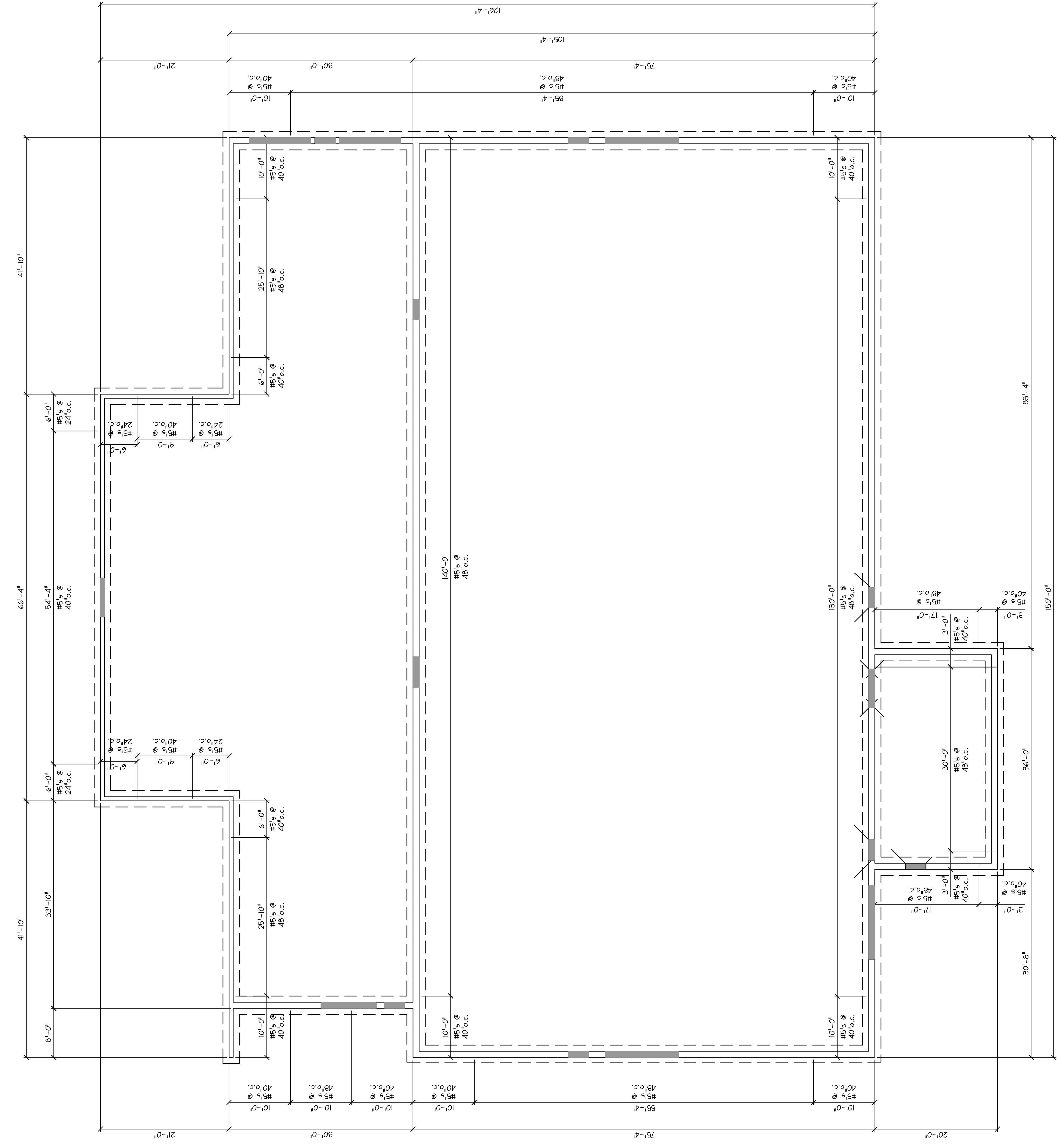
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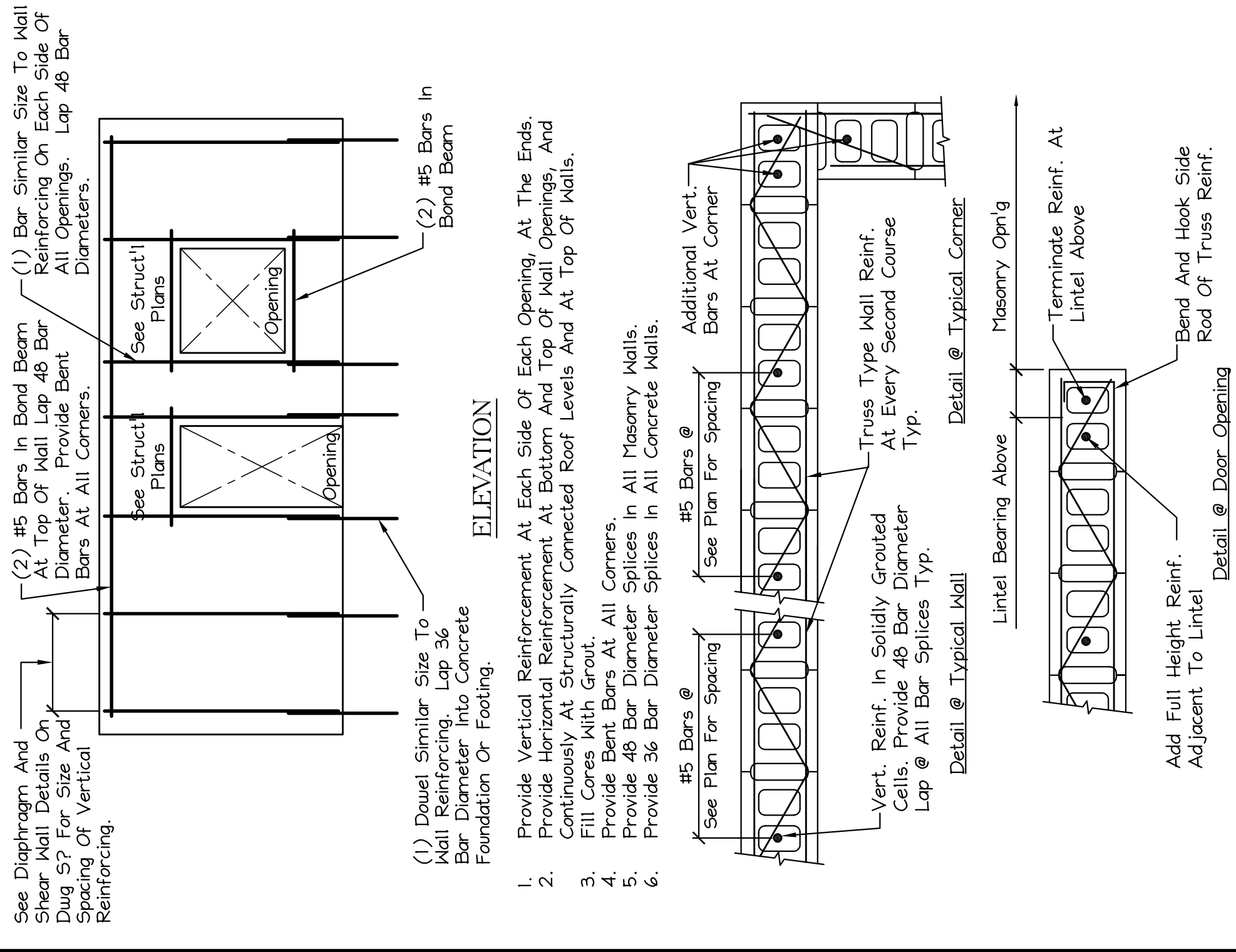
SHEET TITLE:
FOUNDATION DETAILS

S3 OF 13



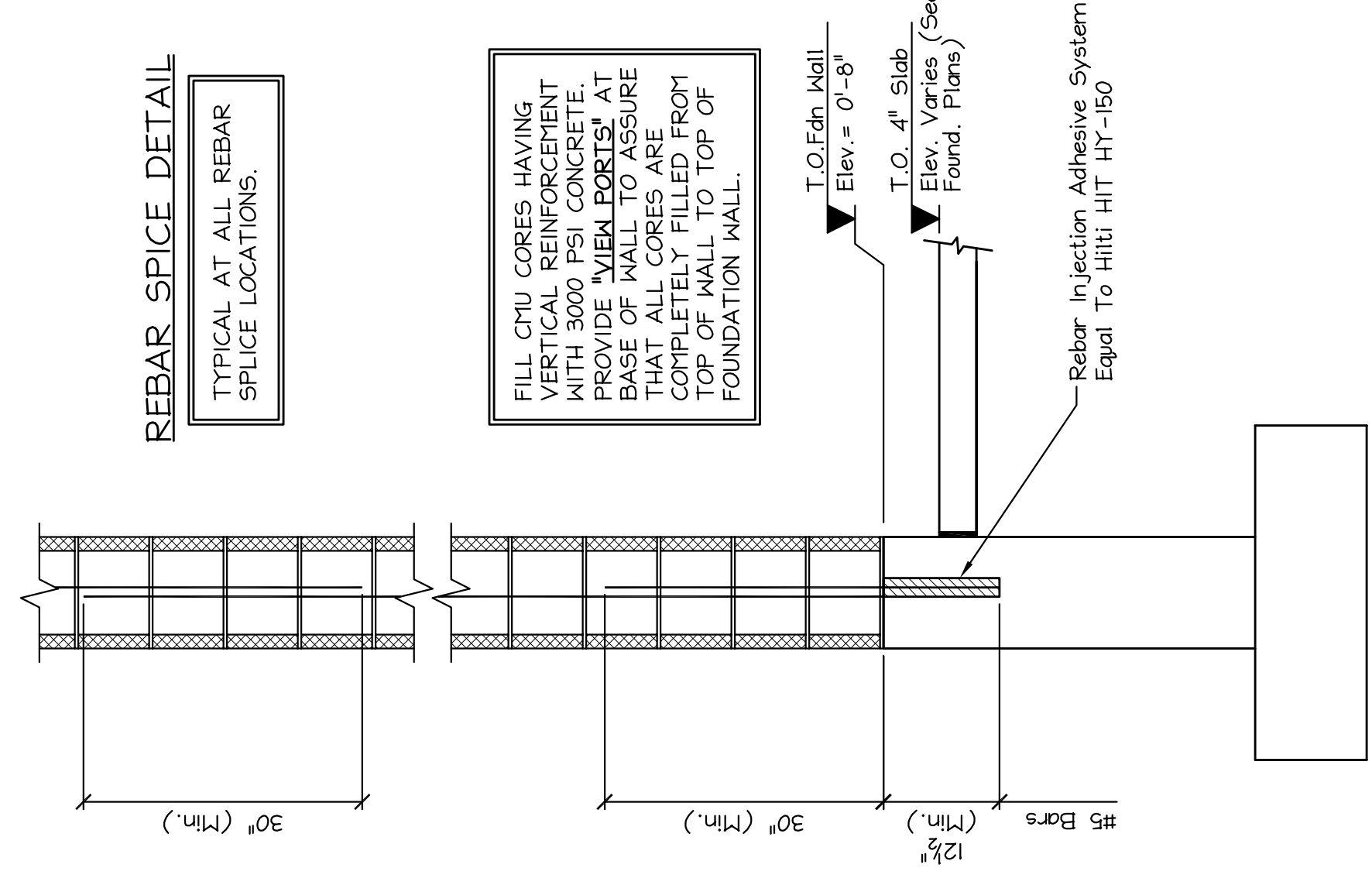
CMU VERTICAL REINFORCEMENT PLAN

SCALE: 1/8" = 1'-0"



DETAIL - TYPICAL MASONRY WALL REINFORCEMENT

SCALE: NOT TO SCALE



REBAR SPICE DETAIL

SCALE: 3/4" = 1'-0"

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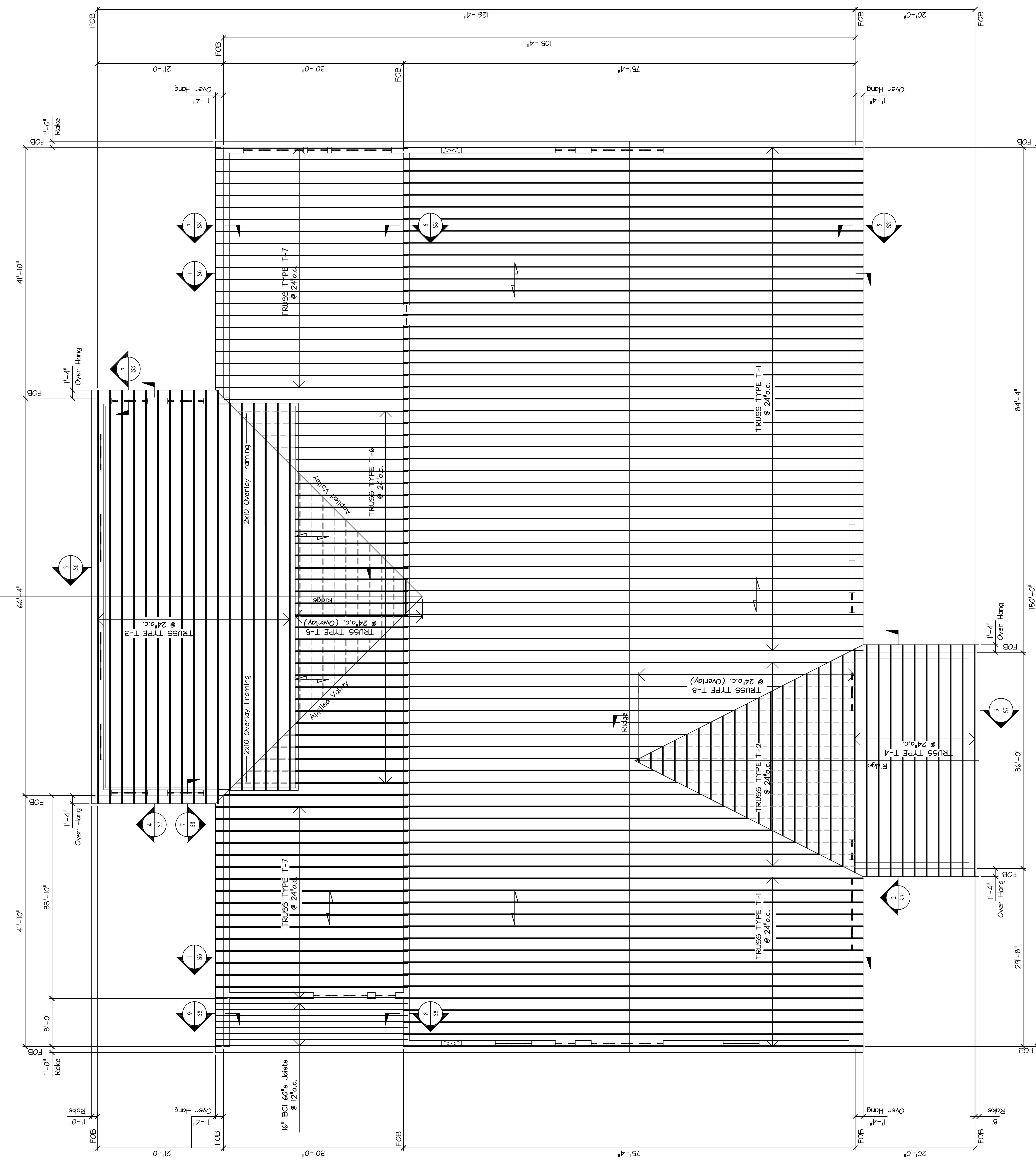
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FOUNDATION
REBAR PLAN
& DETAILS

S4 OF 13



ROOF FRAMING NOTES

Underside Of Truss Elev. = Varies (See Building Sections)

T-# Indicates Truss Profile Type (See Building Sections)

All Truss Members Are 2x10's, Spacing See Sheets S7 Thru S8 For Truss Profiles.

Steel Beams Shall Be Welded With 1/4" Fillet Weld 4" Long On Each Side Of Beam (@ Bearing E Locations)

FOB = Outside Face Of CMU Block Wall

See Arch'd Draw. For Additional Information

NOTE: Verify All Wall Opening Locations/Size And Locate Exhaust Fans Per Owner.

For Additional Notes & Schedules, See Dwg. S1.

— Indicates Span Direction Of 5/8" CDX Plywood Roof Sheathing.

— Indicates Structural Precast Lintel

NOTE: Structural Precast Size/Design By Others

ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

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ROOF FRAMING PLAN

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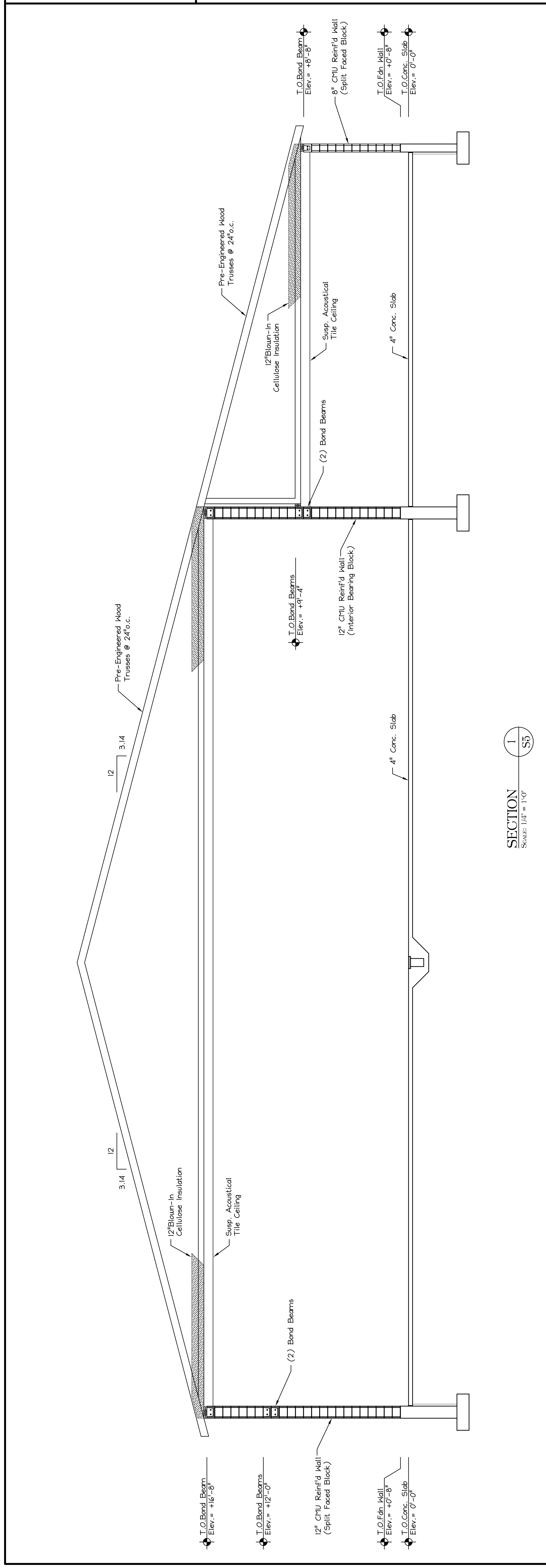
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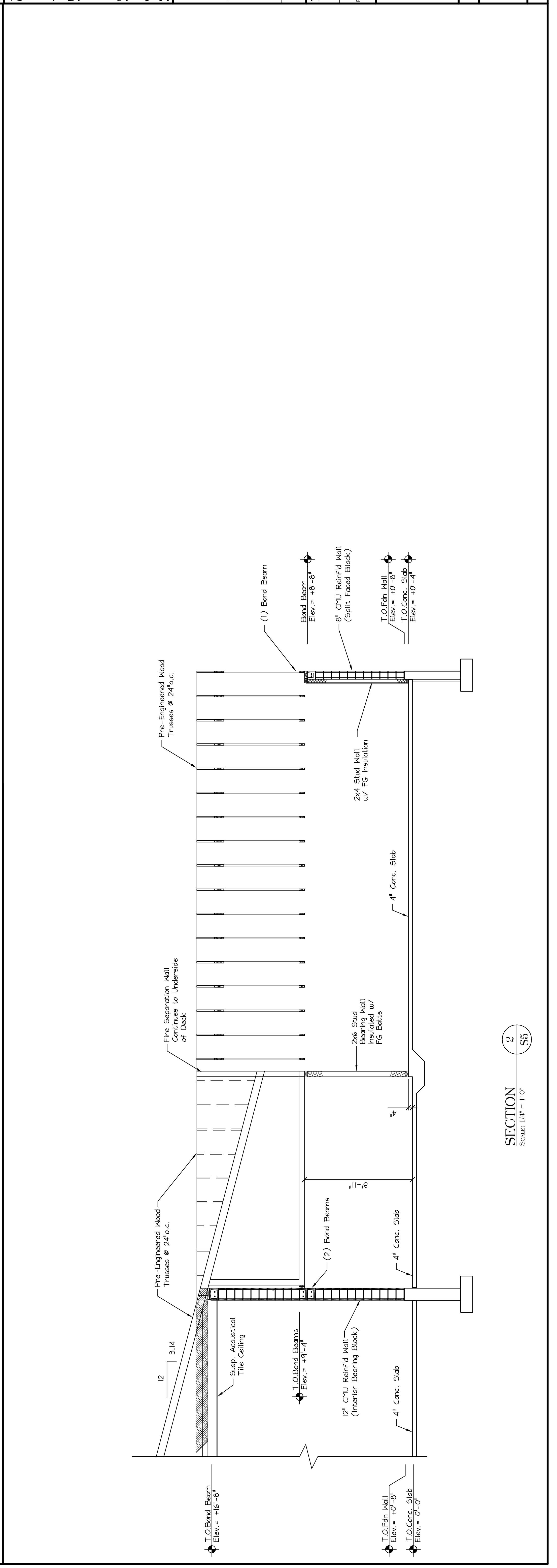
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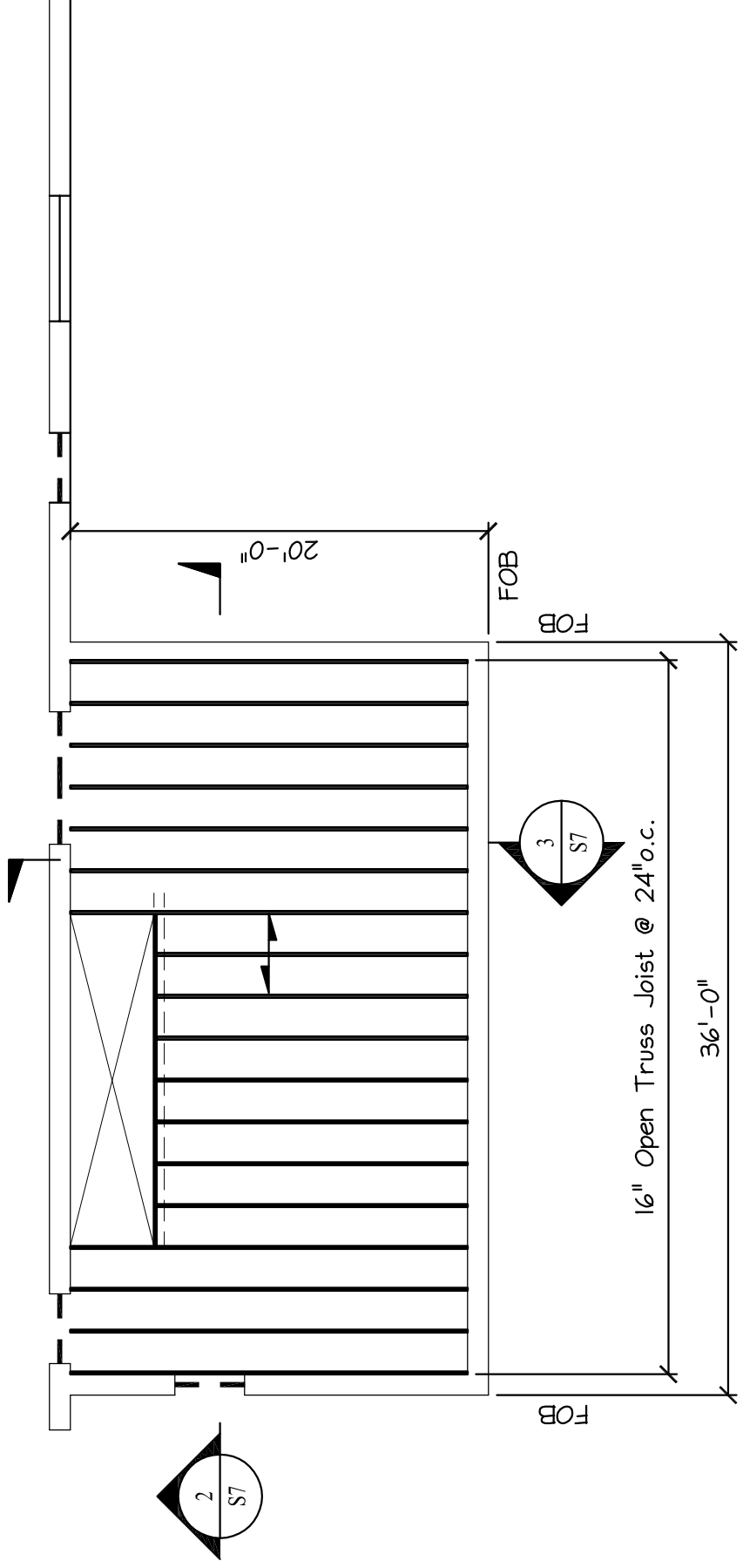
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 BUILDING SECTIONS
 S6 OF 13



SHEET TITLE:
 BUILDING SECTIONS
 S6 OF 13

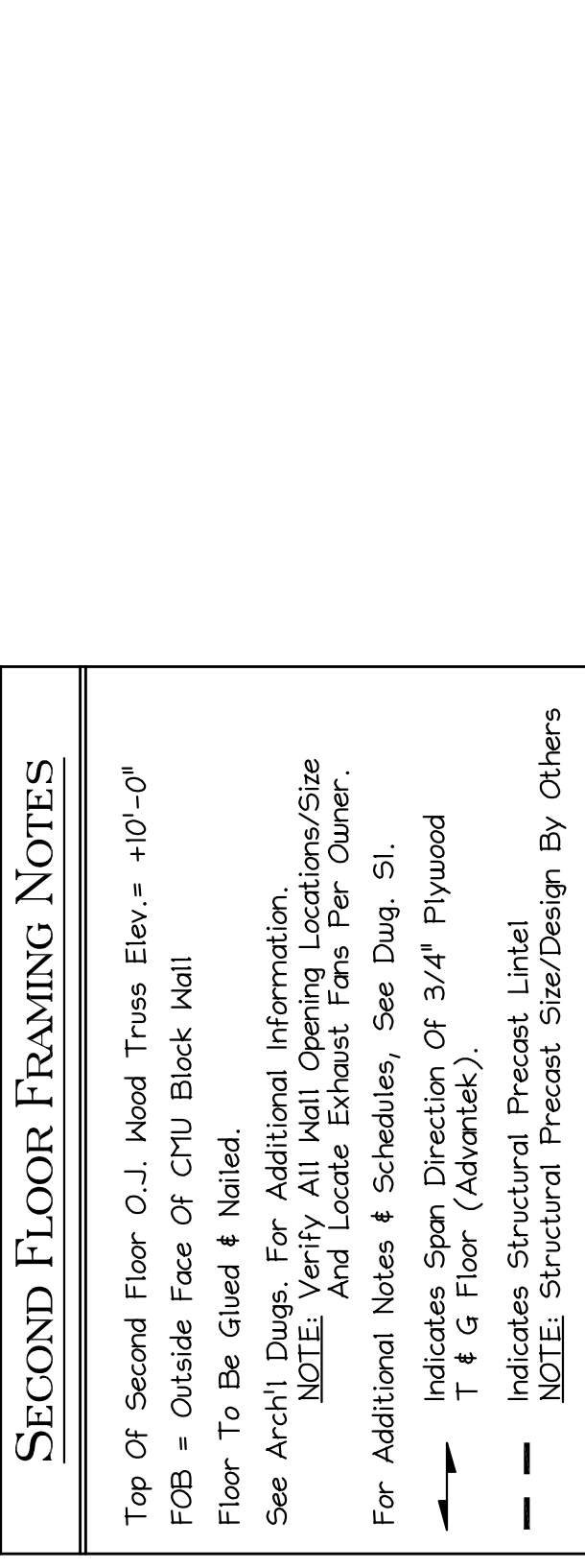
SECOND FLOOR FRAMING NOTES

- Top Of Second Floor O.J. Wood Truss Elev. = +10'-0"
- FOB = Outside Face Of CMU Block Wall
- Floor To Be Glued & Nailed.
- See Arch'l. Dwg. For Additional Information.
- NOTE: Verify All Wall Opening Locations/Size And Locate Exhaust Fans Per Owner.
- For Additional Notes & Schedules, See Dwg. S1.
- Indicates Span Direction Of 3/4" Plywood
- Indicates Structural Precast Linel
- NOTE: Structural Precast Size/Design By Others

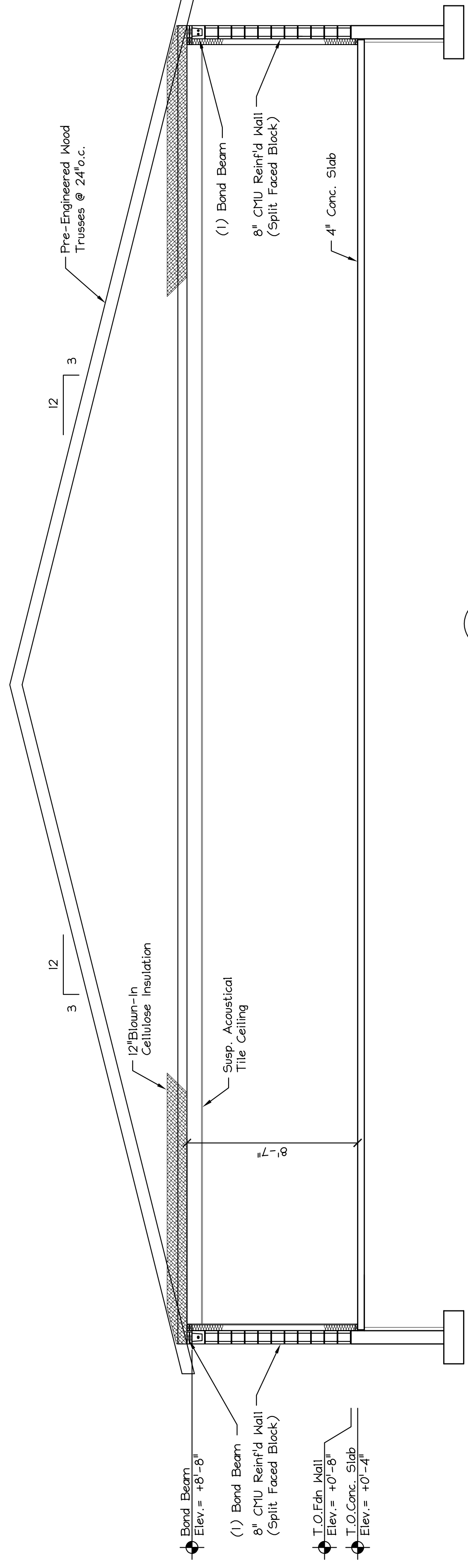


SECOND FLOOR FRAMING PLAN

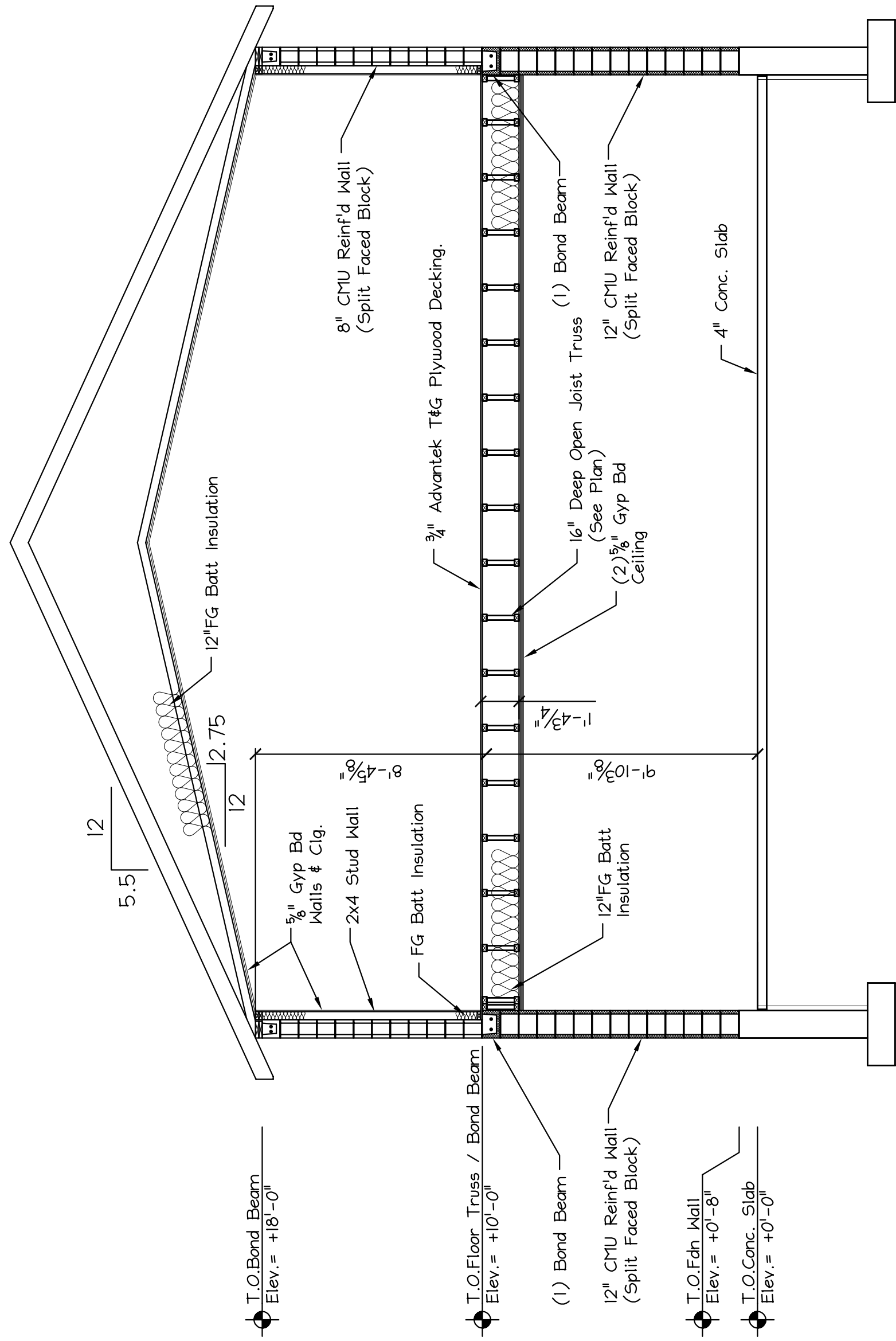
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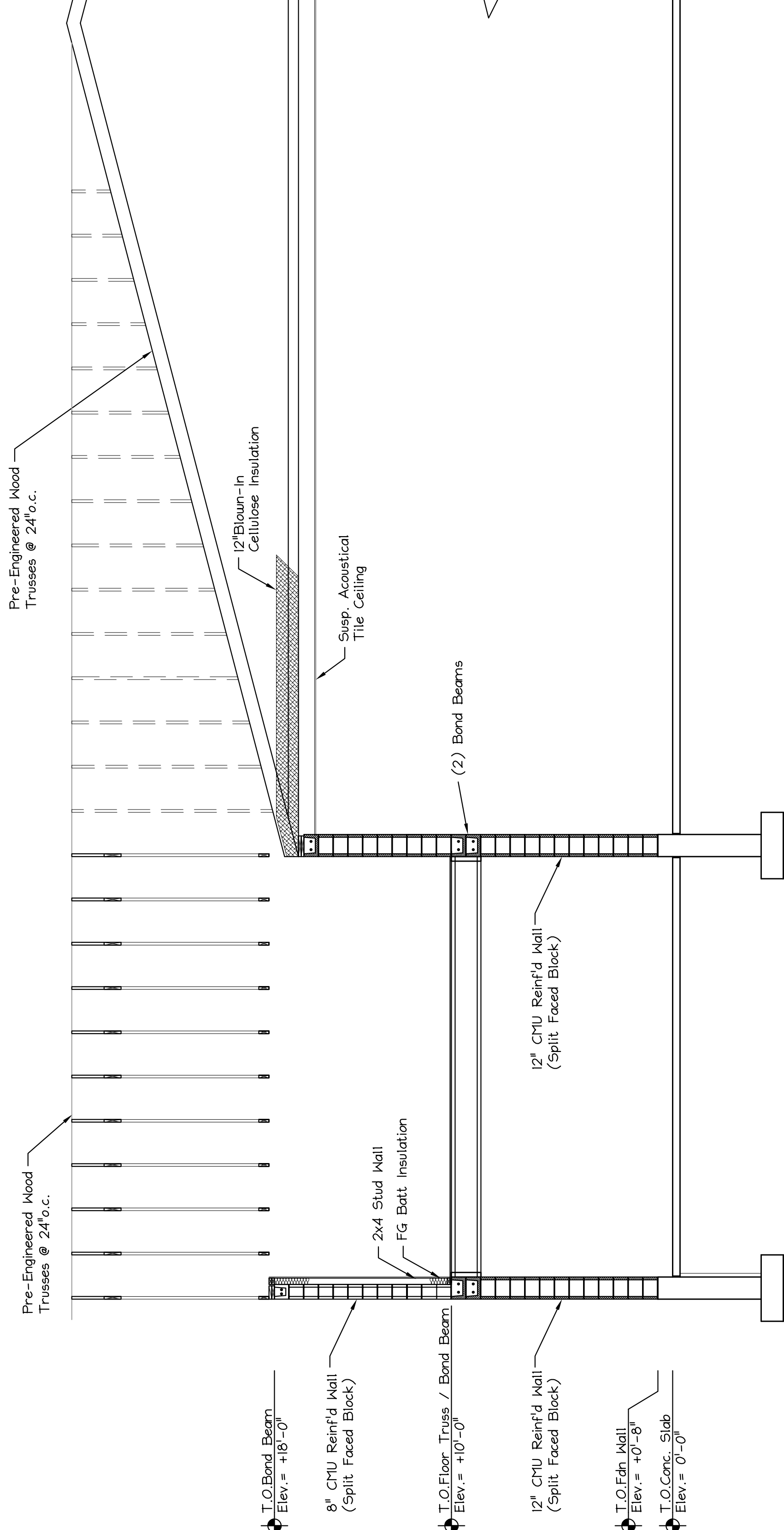
SECTION 1-1
SCALE: 1/4" = 1'-0"



SECTION 2-2
SCALE: 1/4" = 1'-0"



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



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**SECOND FLOOR
 FRAMING PLAN
 & SECTIONS**

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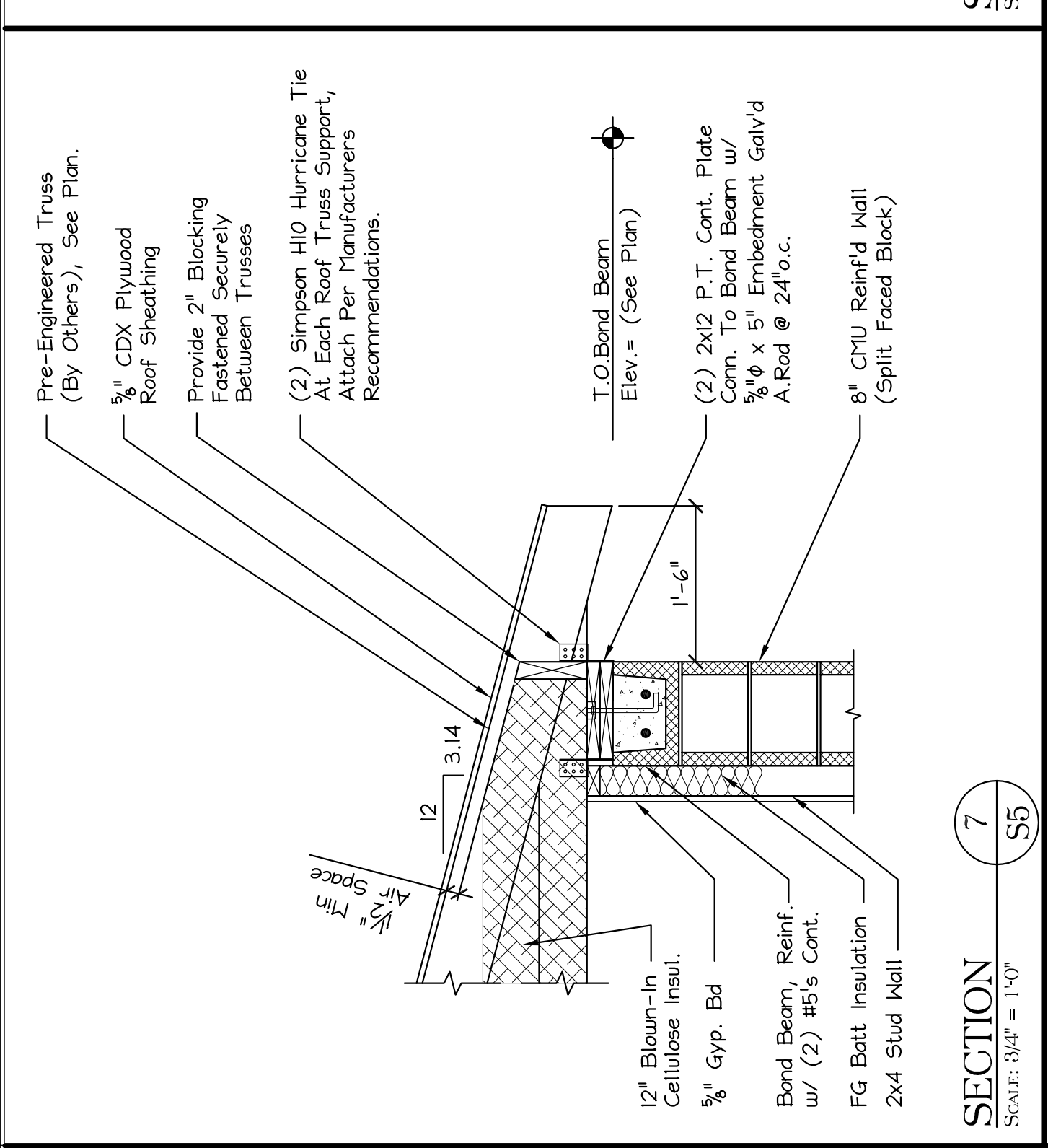
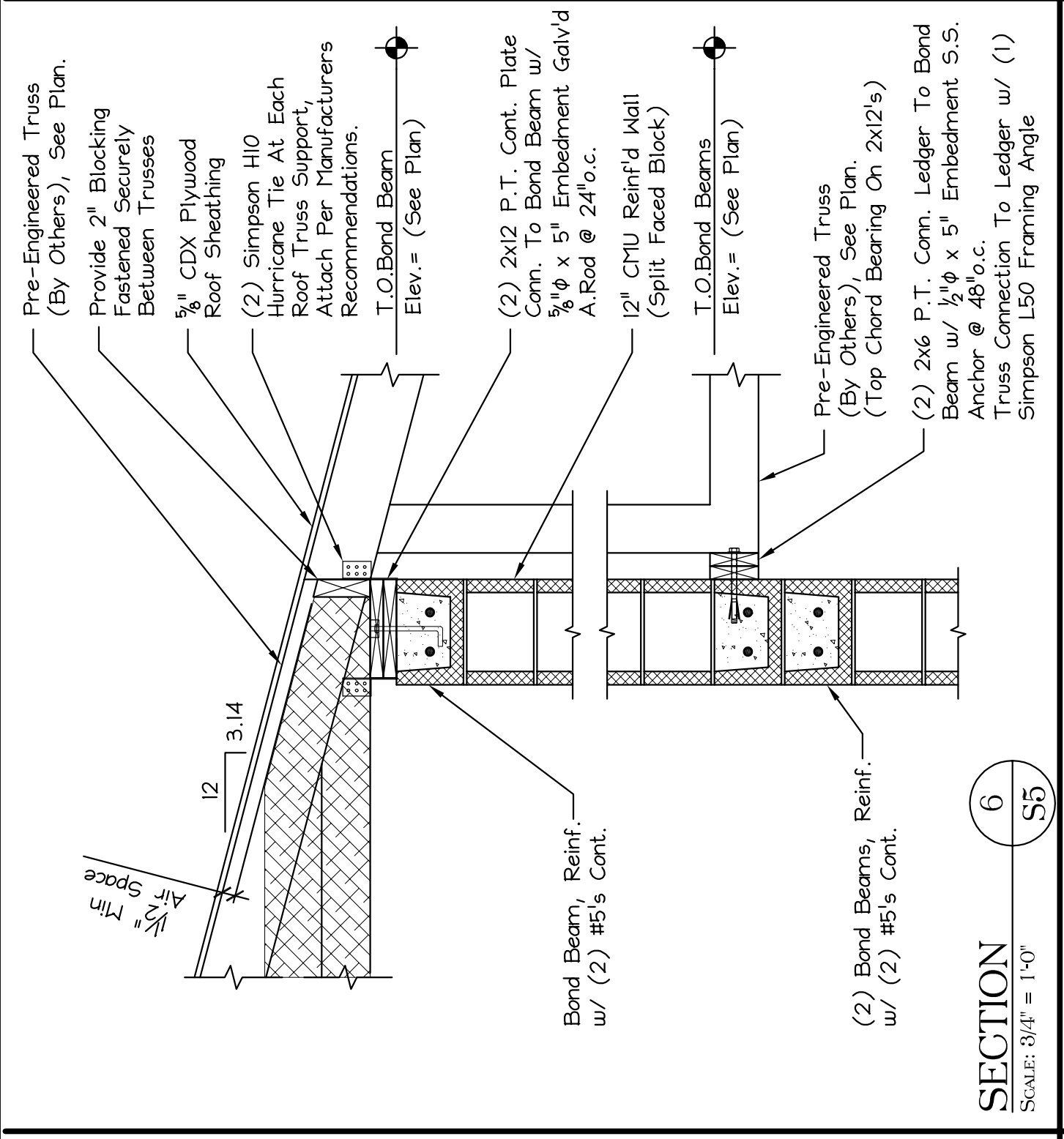
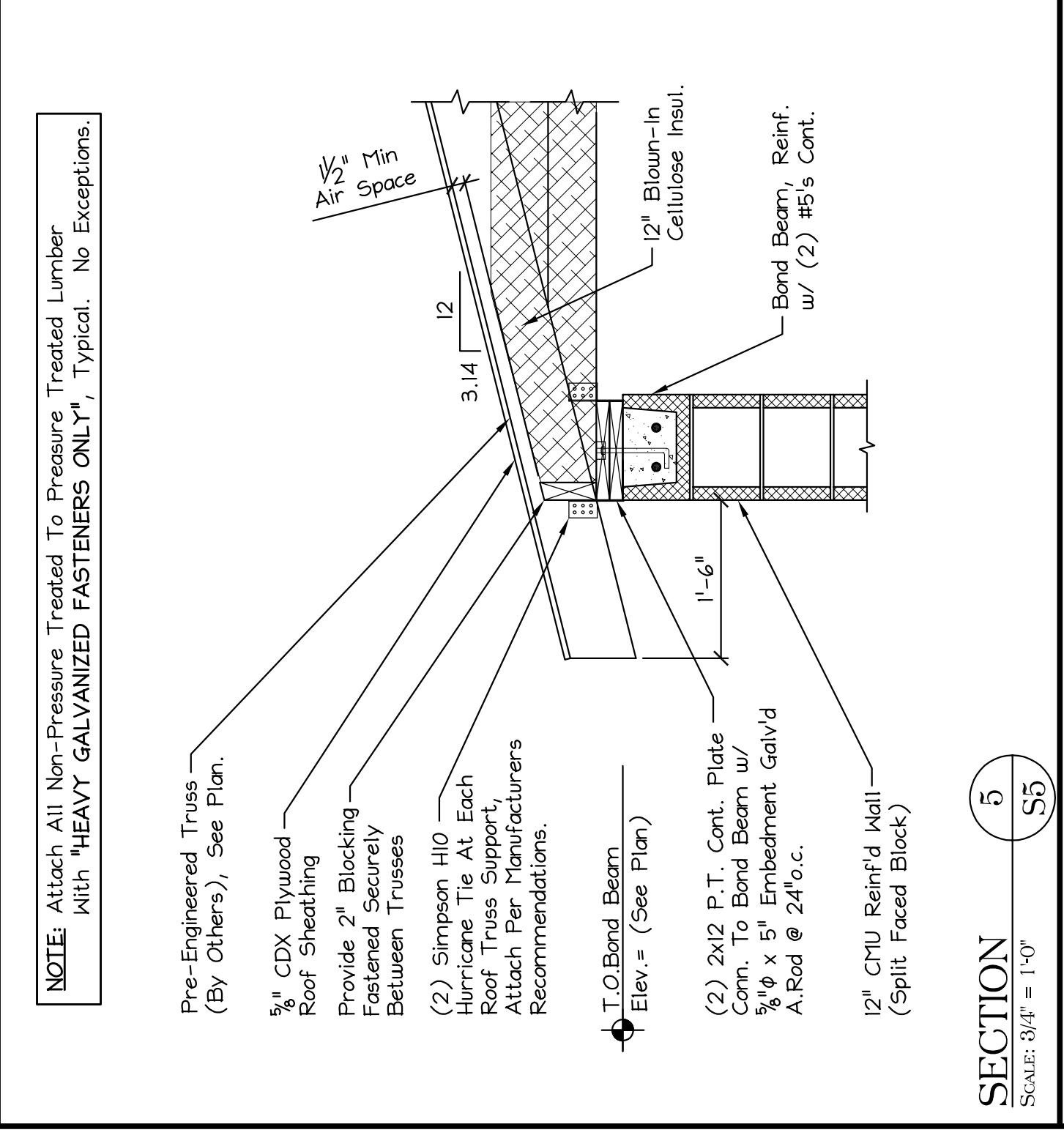
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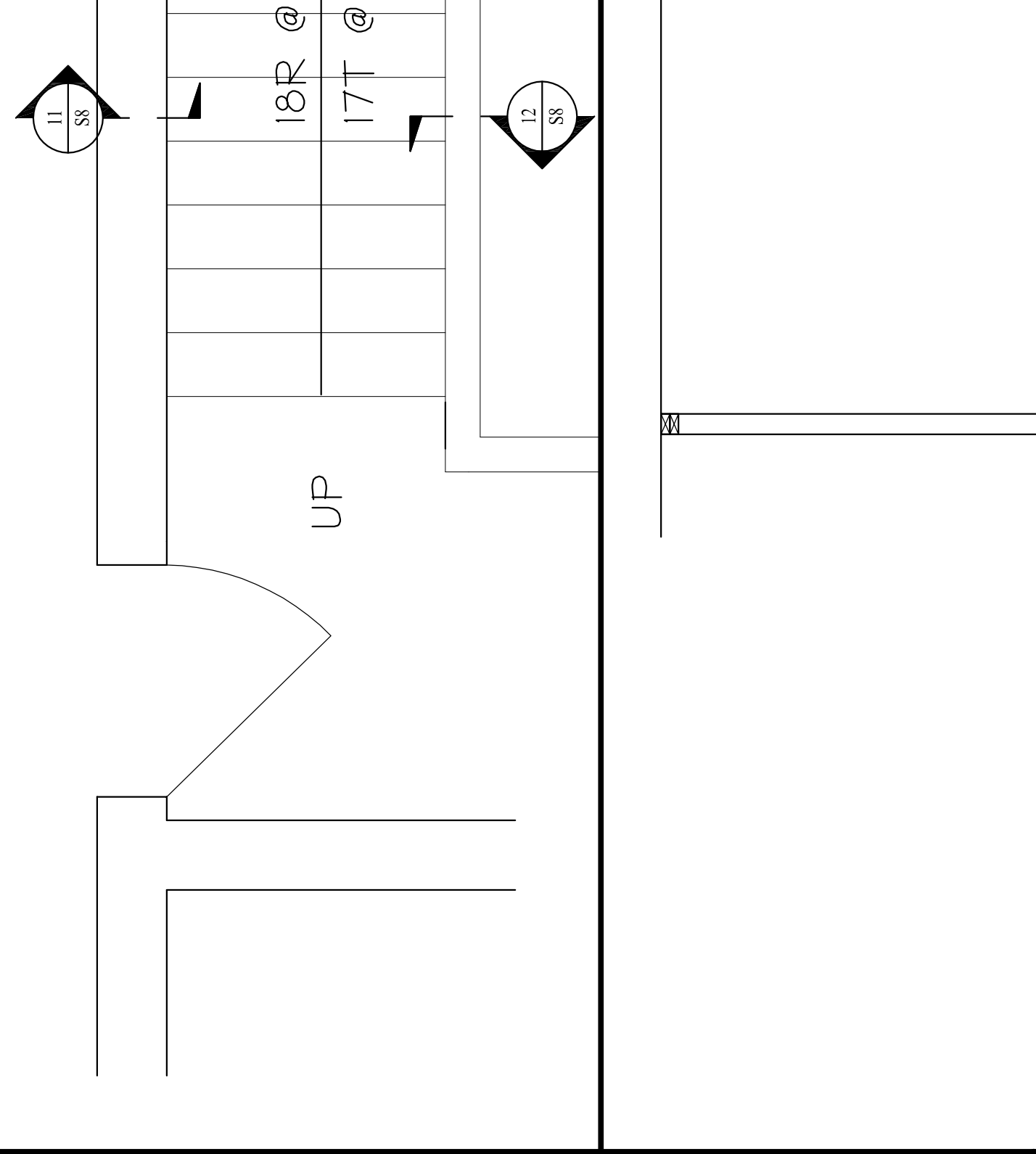
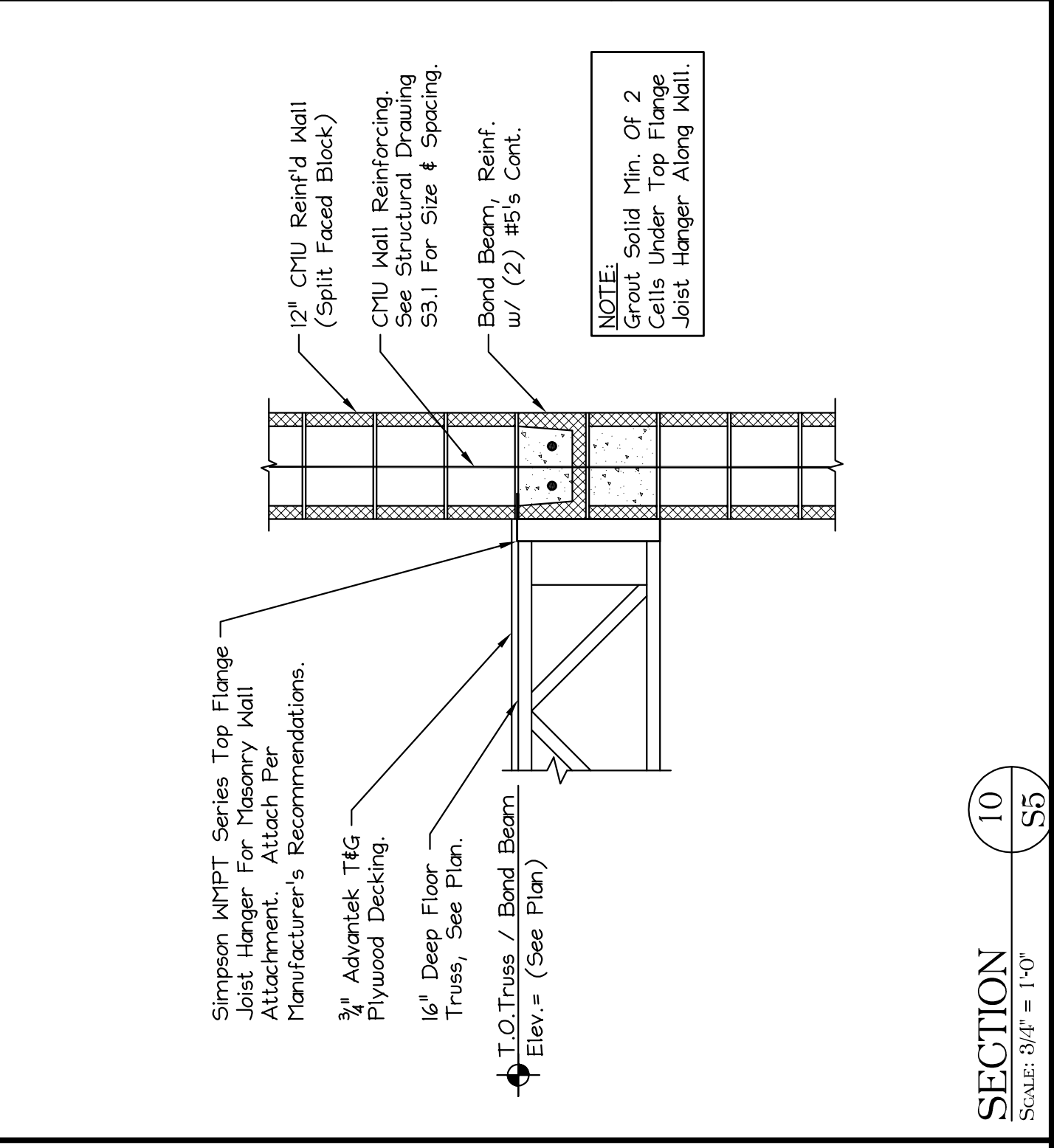
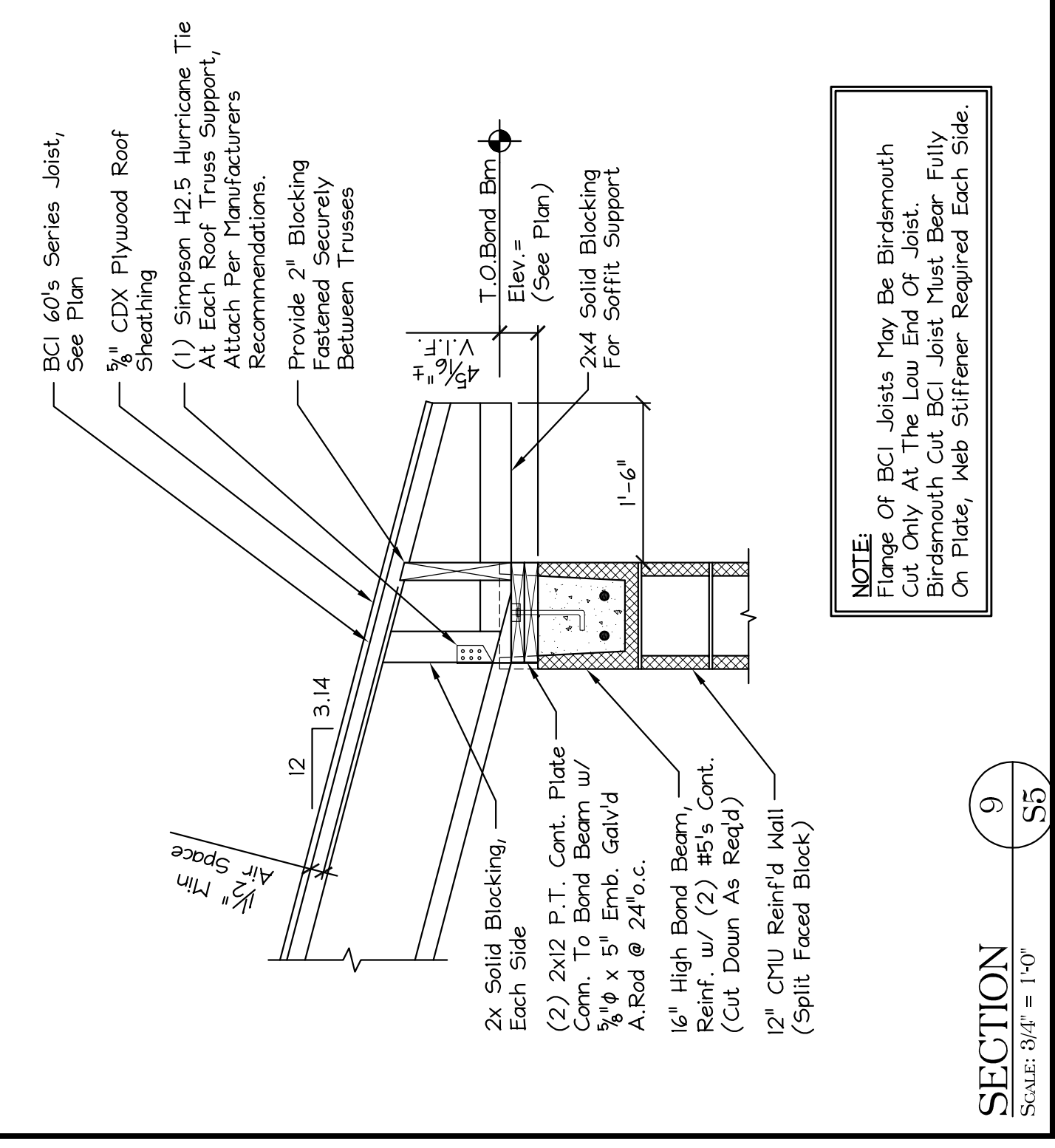
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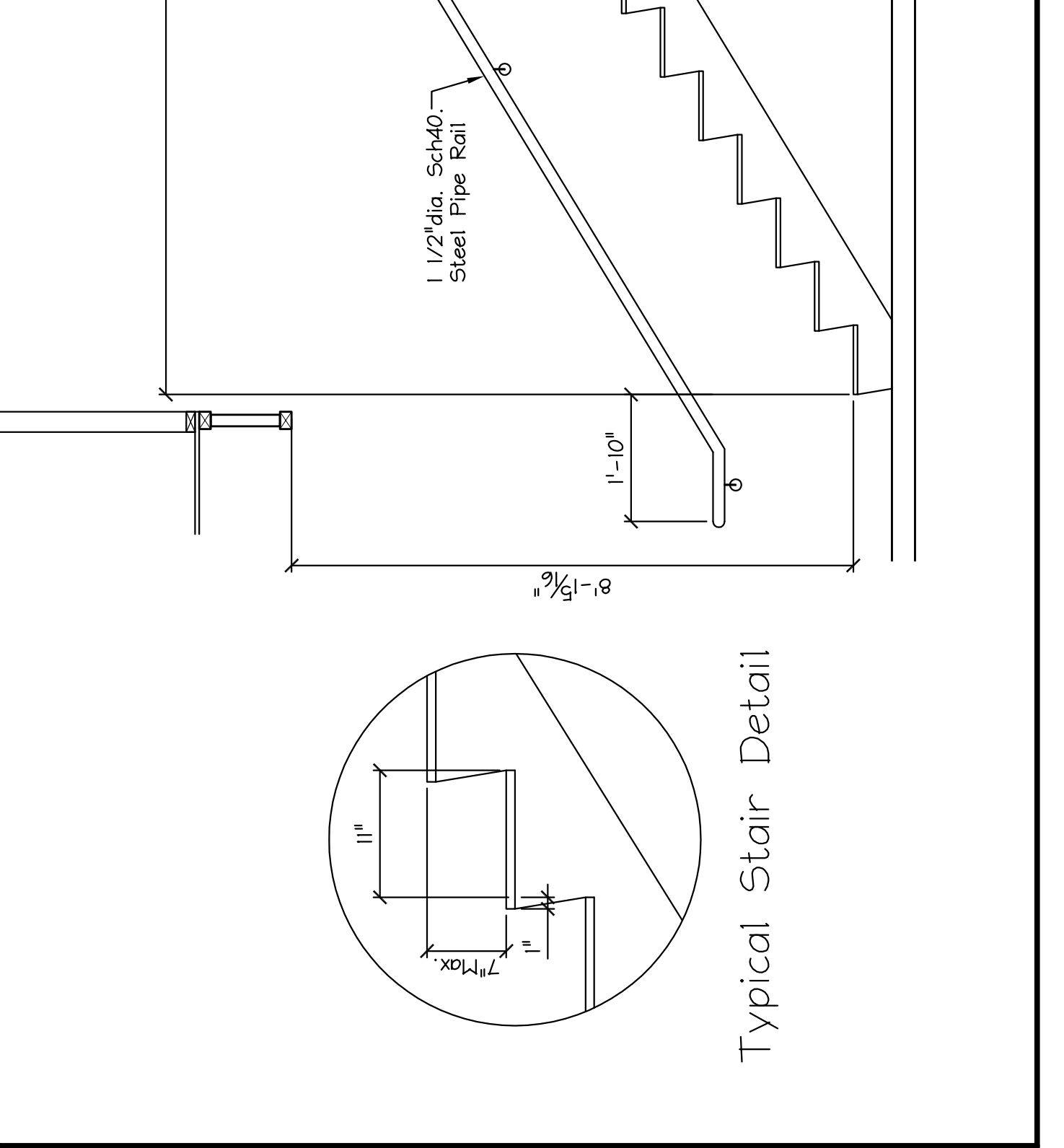
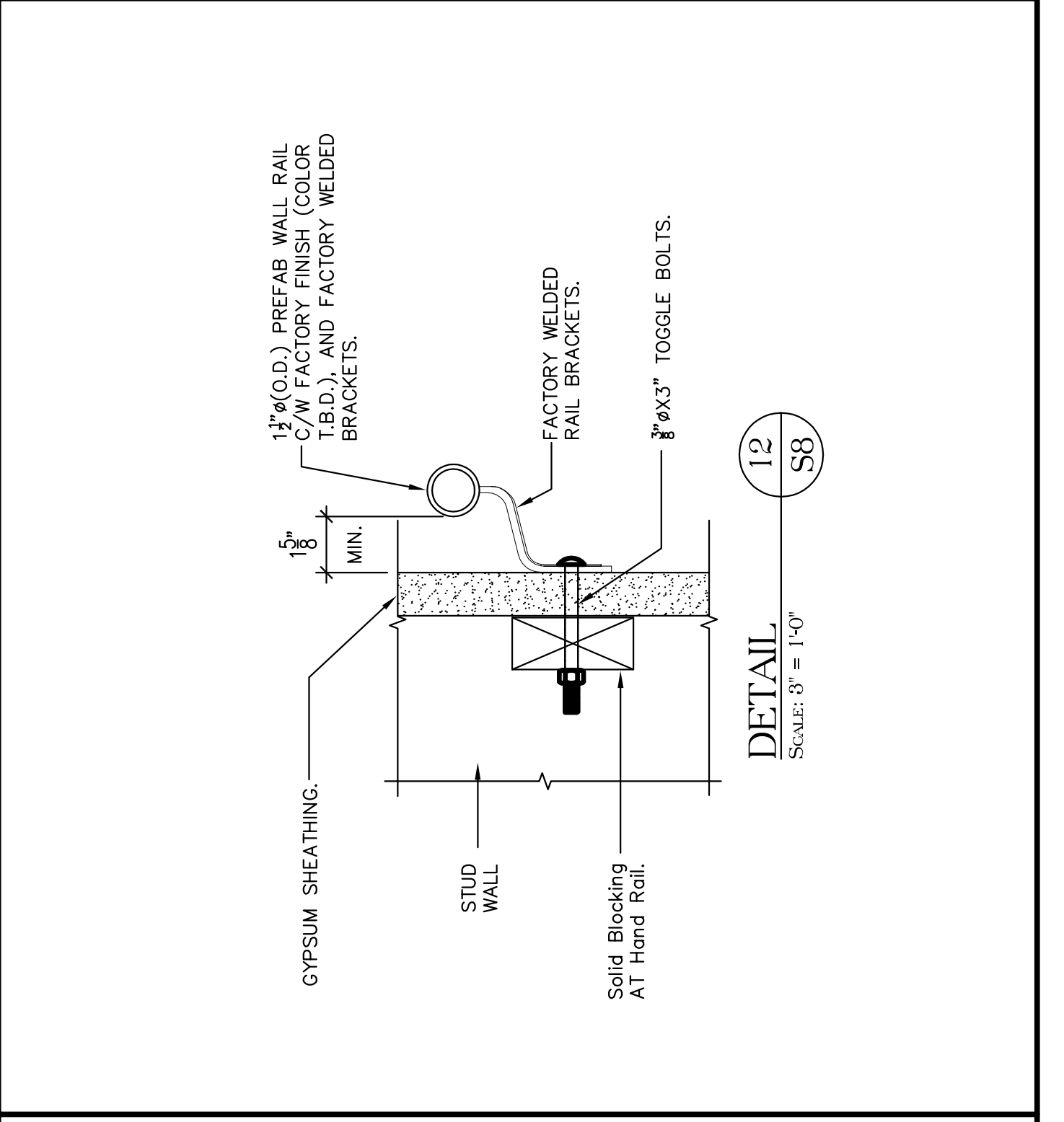
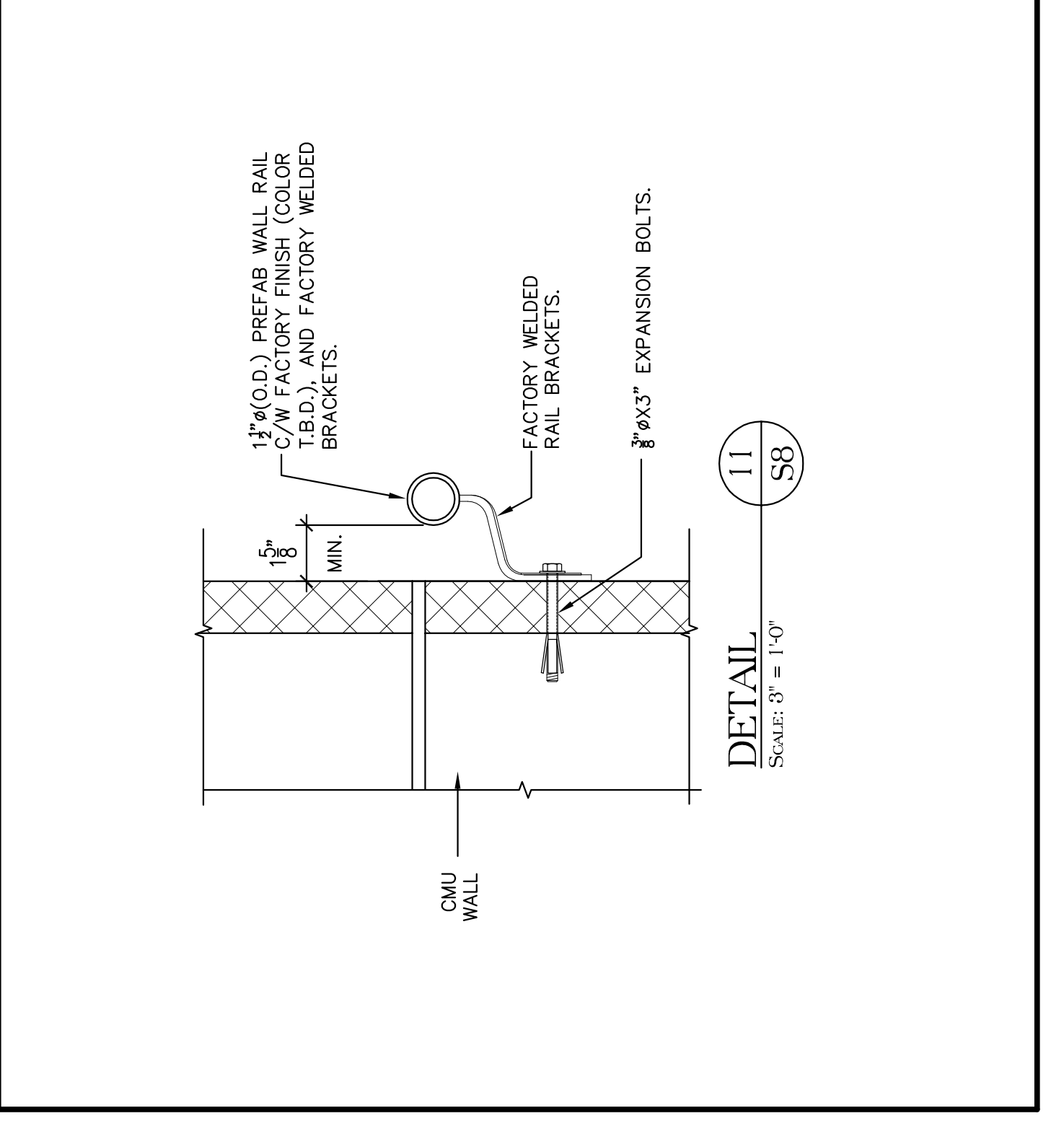
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CHKD BY:	BWM
DATE:	10/22/07
SCALE:	AS NOTED
PROJ. NO.:	2007-277

SHEET TITLE:
FRAMING DETAILS

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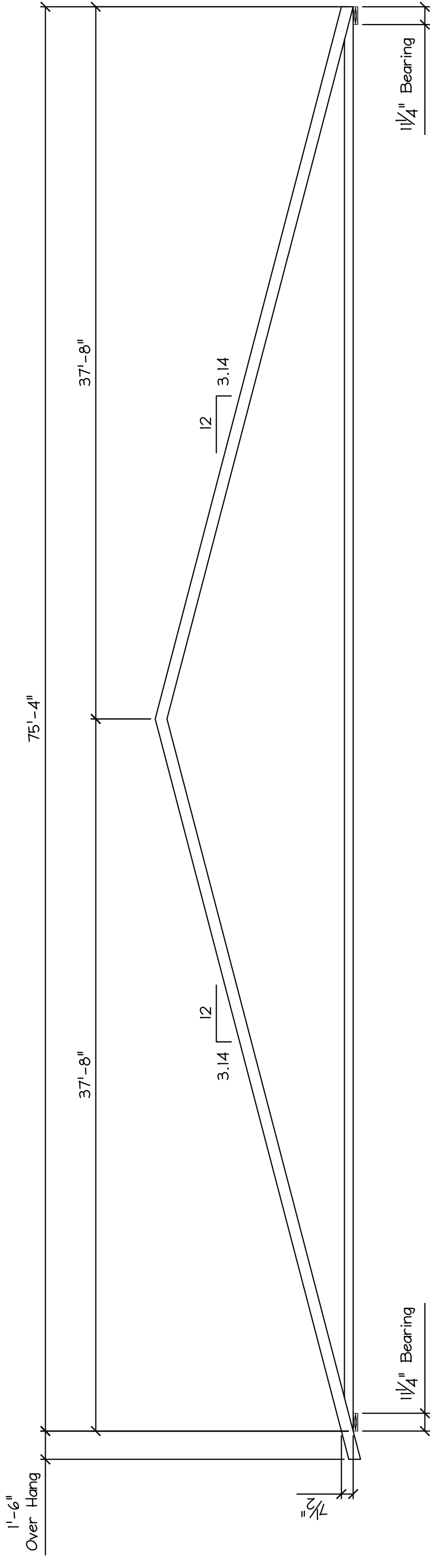
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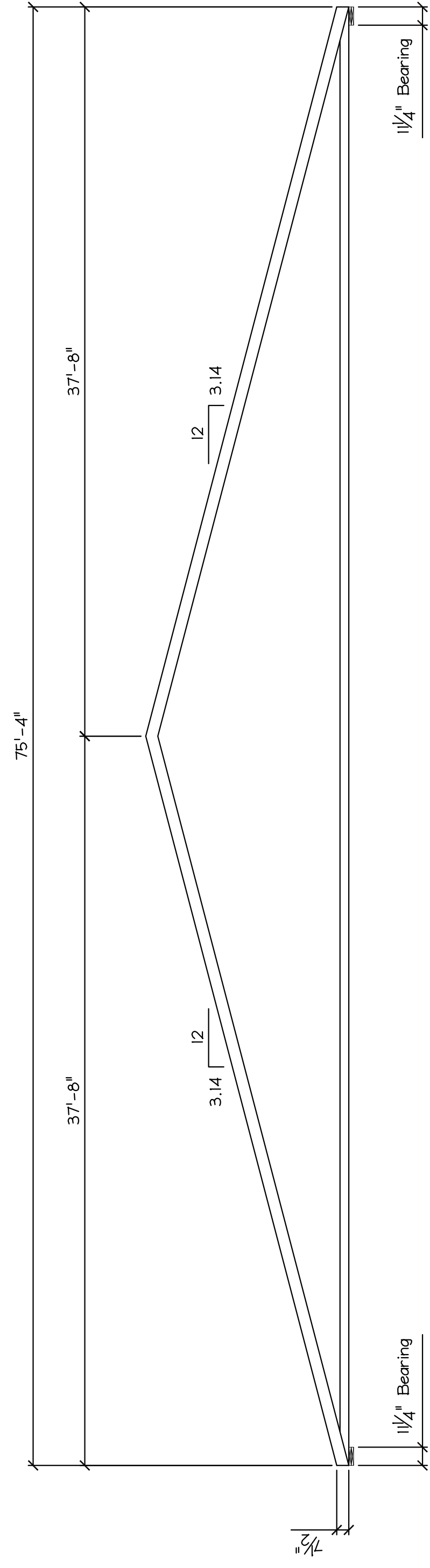
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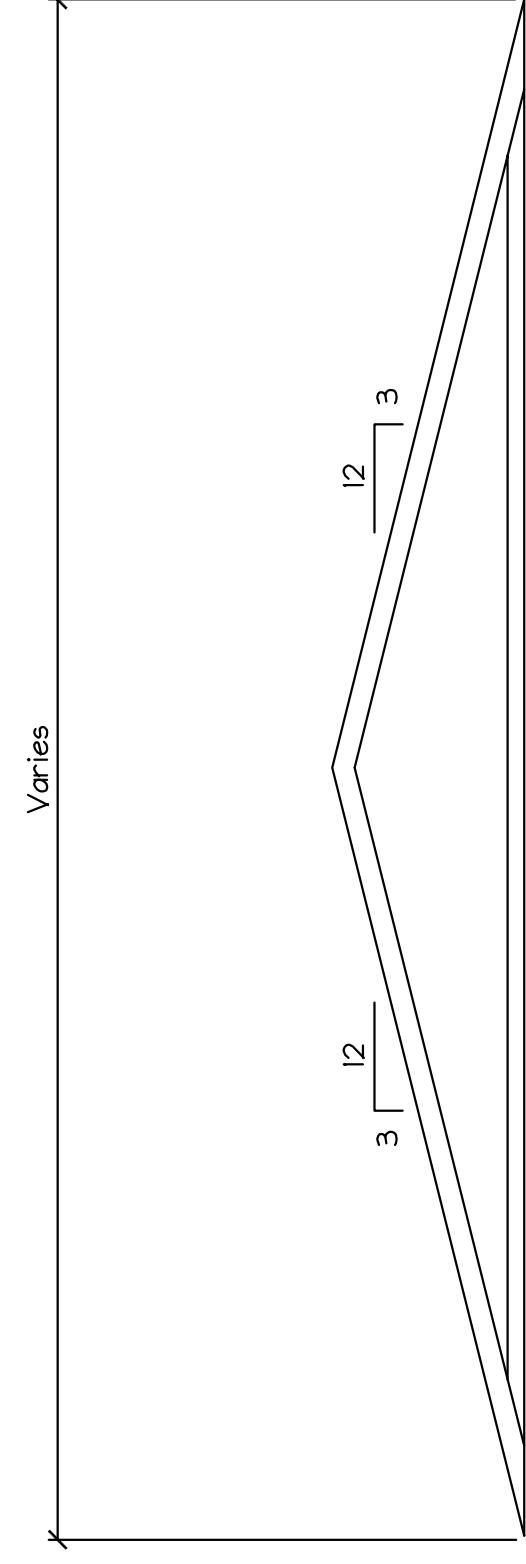
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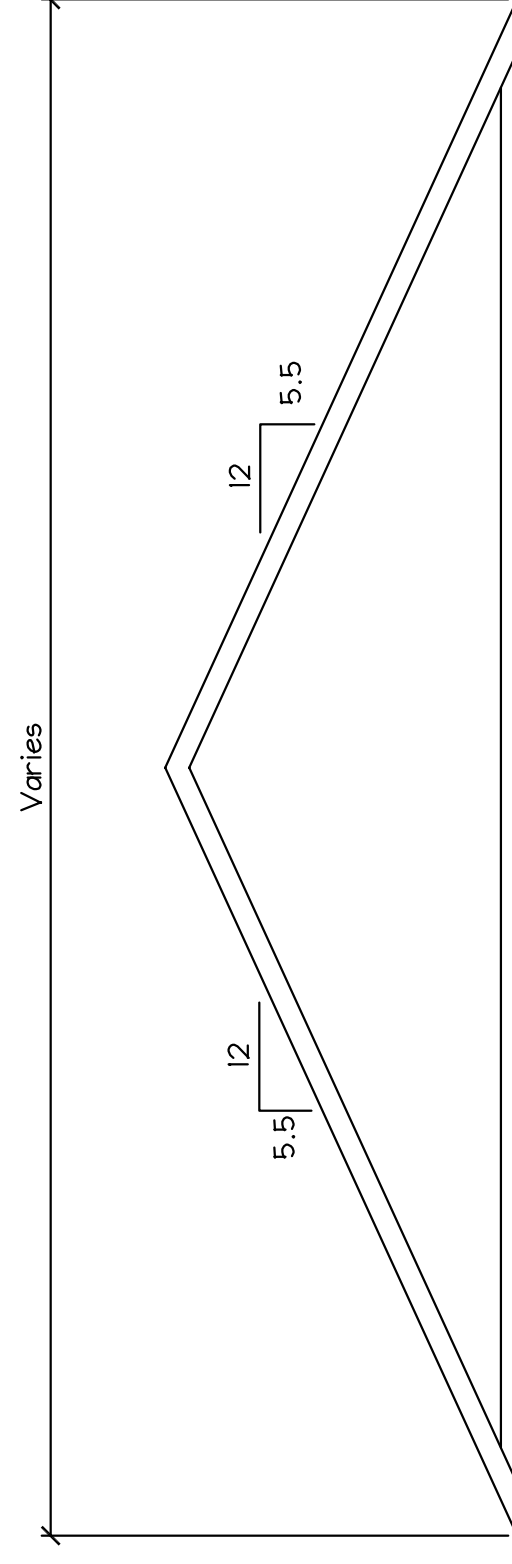
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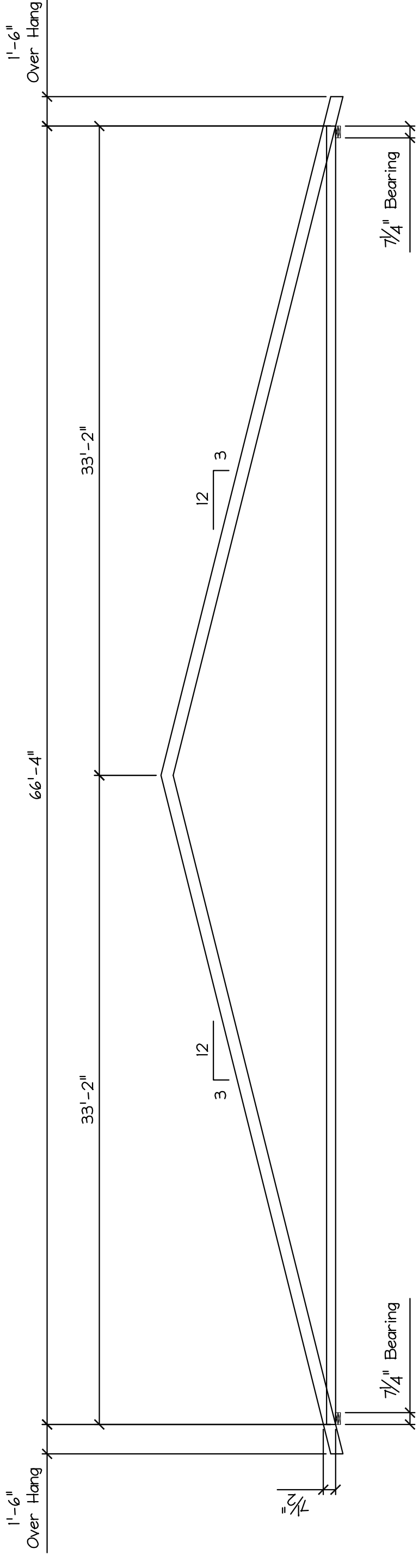
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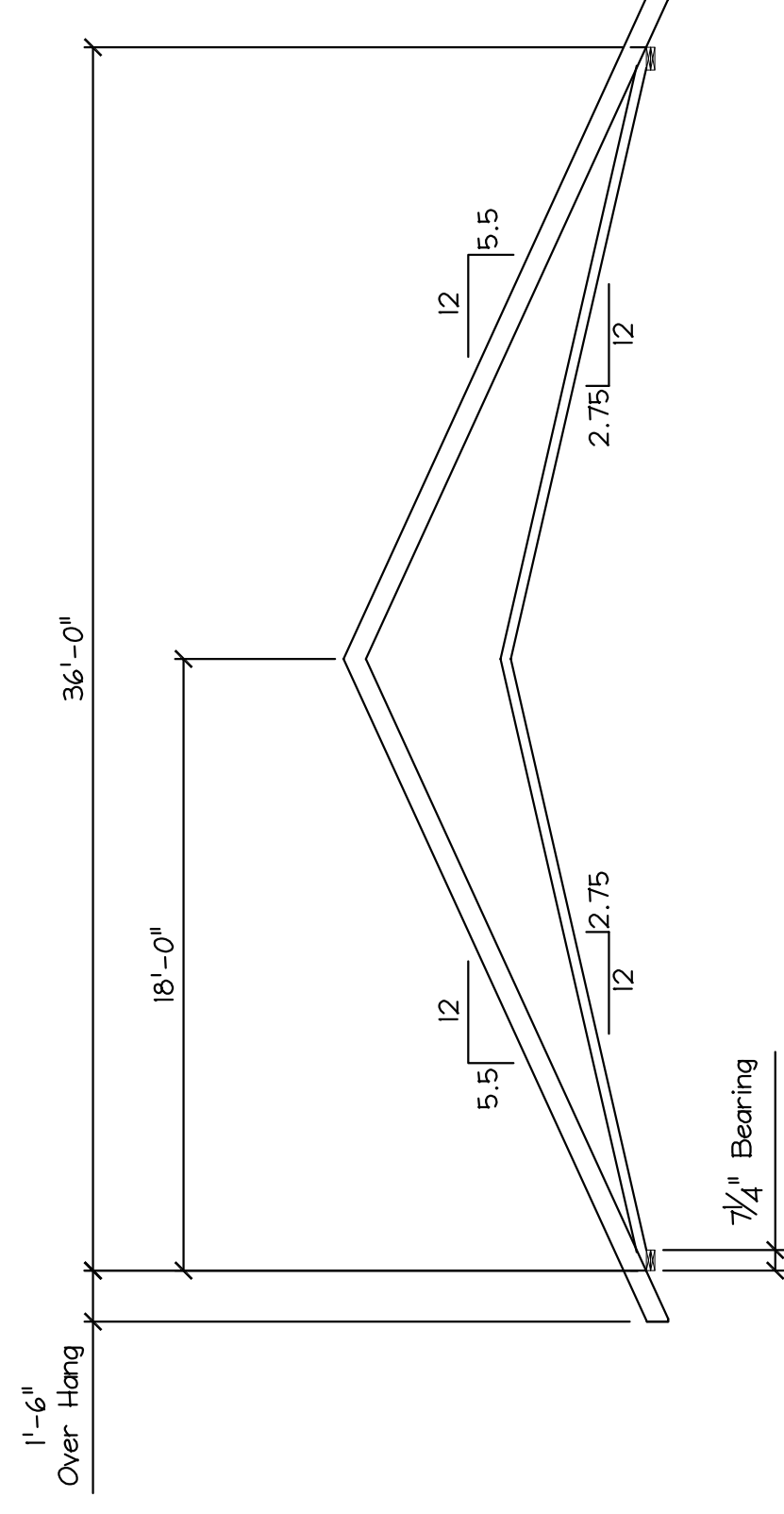
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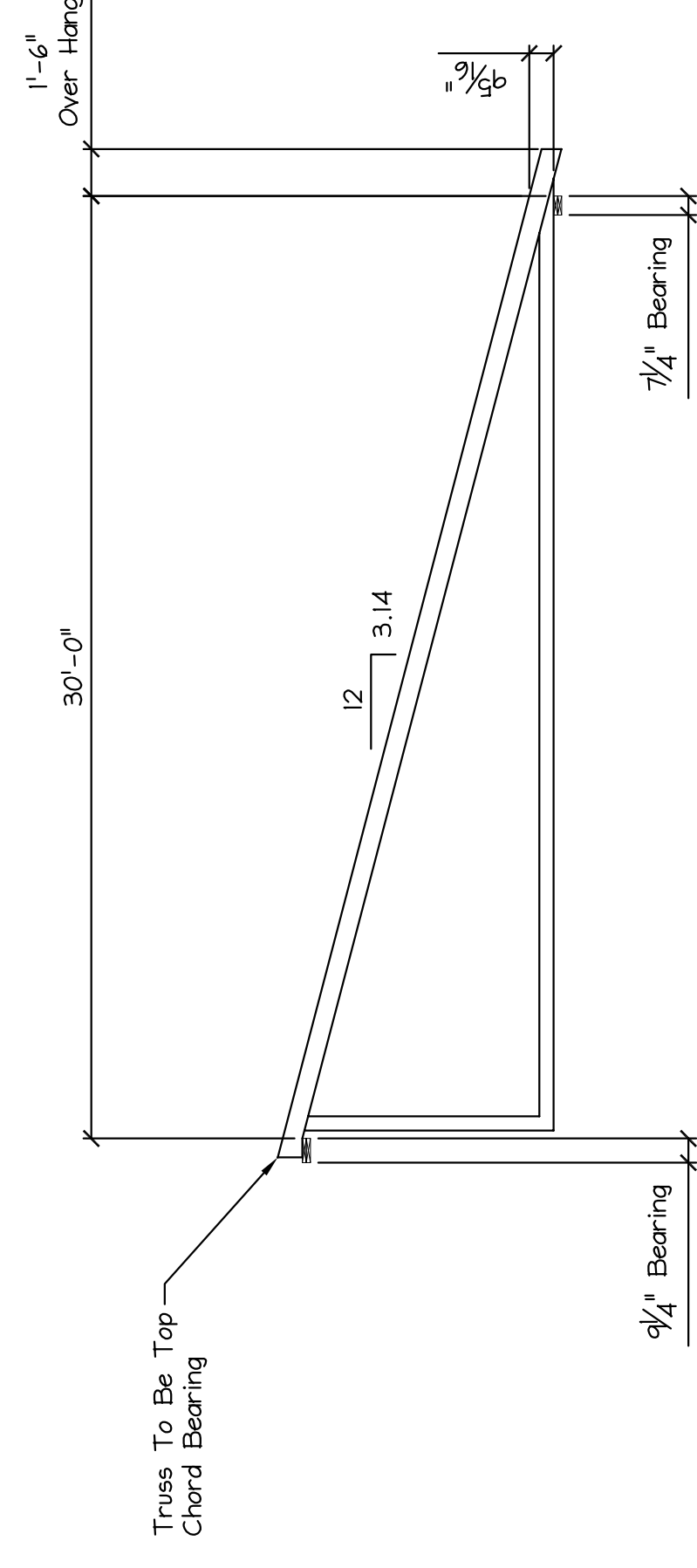
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TRUSS PROFILE TYPE T-4
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TRUSS PROFILE TYPE T-7
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SCALE:	AS NOTED
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SHEET TITLE:
TRUSS PROFILES

MOODY'S COLLISION CENTER
 PORTLAND
 MAINE

#	DATE	DESCRIPTION
1	3/19/08	REV'D PER TOWN ENGINEER COMMENTS

CURRENT REVISION