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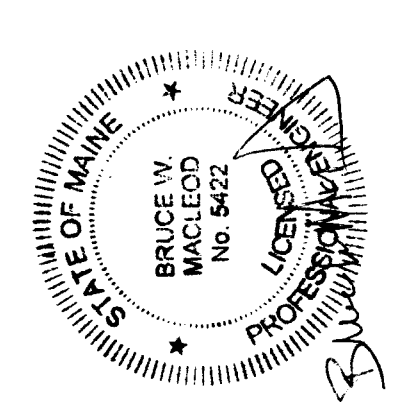
CURRENT REVISION

MAINE

MOODY'S COLLISION CENTER

PORTLAND

M
 Maelced Structural Engineers, P.A.
 404 Main Street
 Gorham, Maine 04038
 phone: (207) 839-0980
 fax: (207) 839-0982



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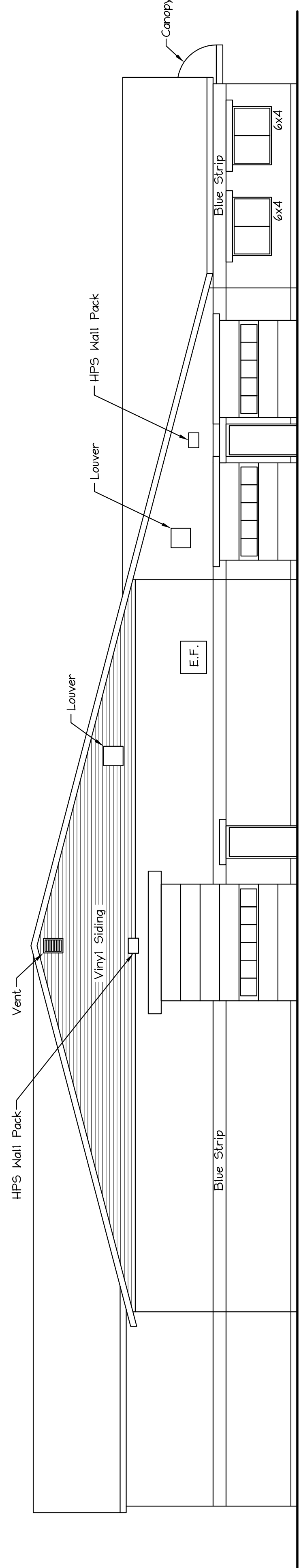
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| DRN BY: | DWB |
| CHKD BY: | BWM |
| DATE: | 10/22/07 |
| SCALE: | As Noted |
| PROJ. NO.: | 2007-277 |

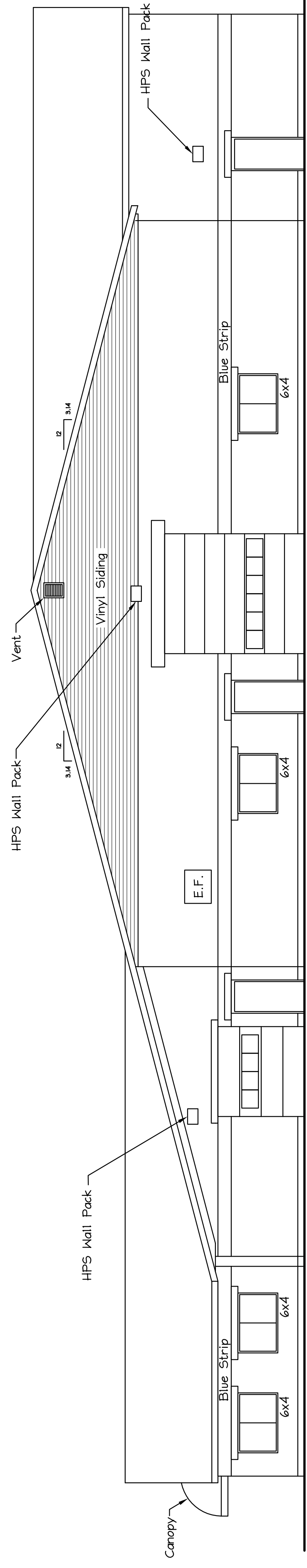
SHEET TITLE:

EXTERIOR
 ELEVATIONS

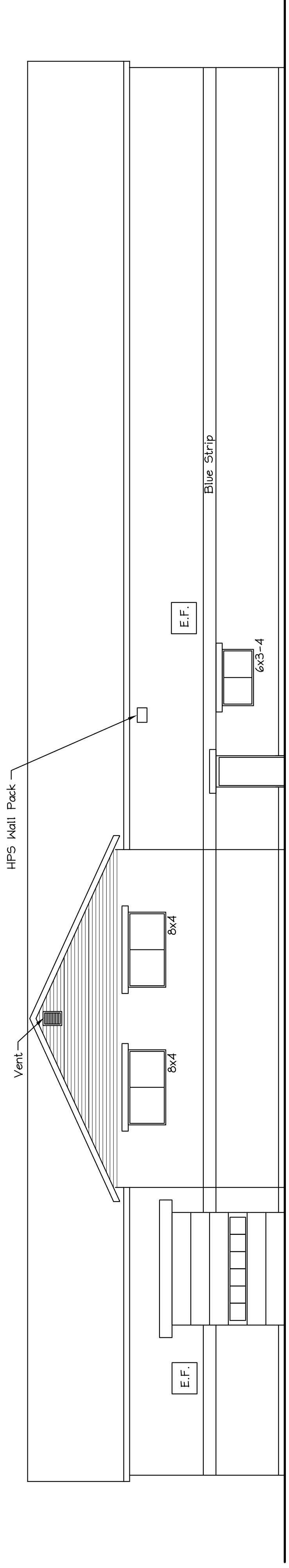
A1 OF 13



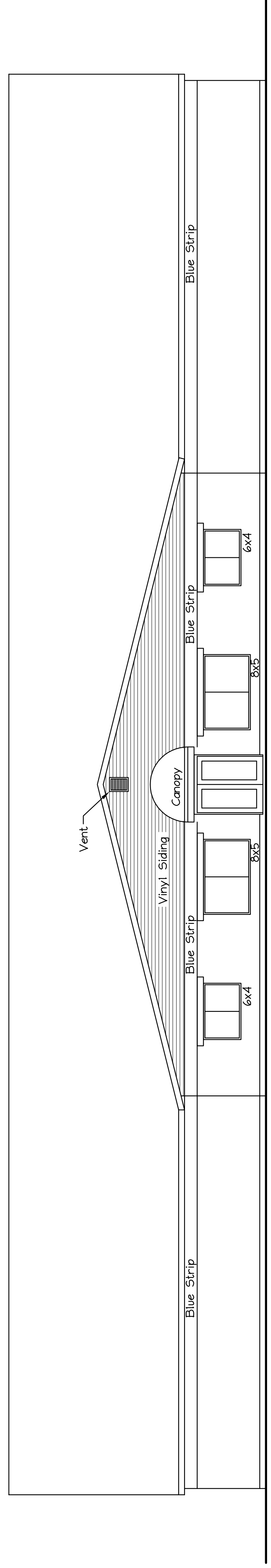
LEFT ELEVATION
 SCALE: 1/8" = 1'-0"



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



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



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

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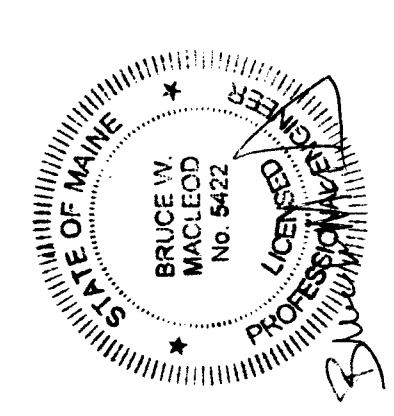
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| DRN BY: | DWB |
| CHKD BY: | BMN |
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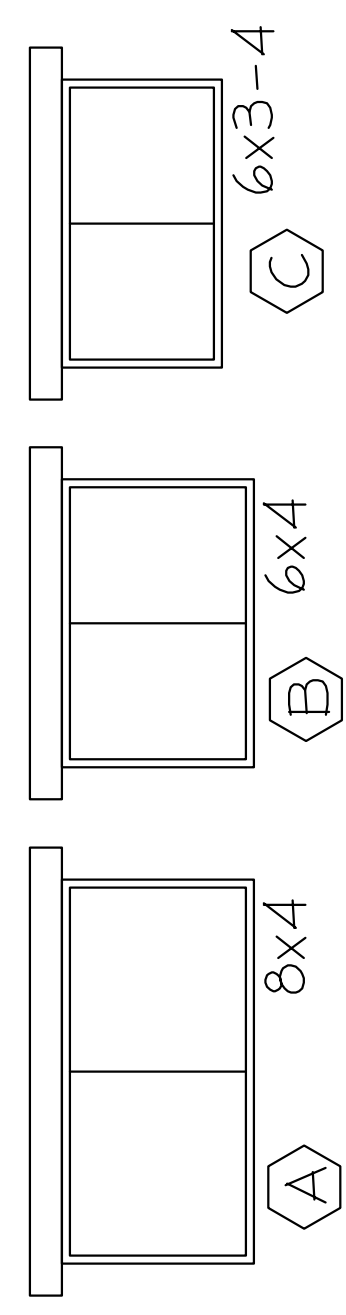
SHEET TITLE:

FLOOR PLAN

A2 OF 13

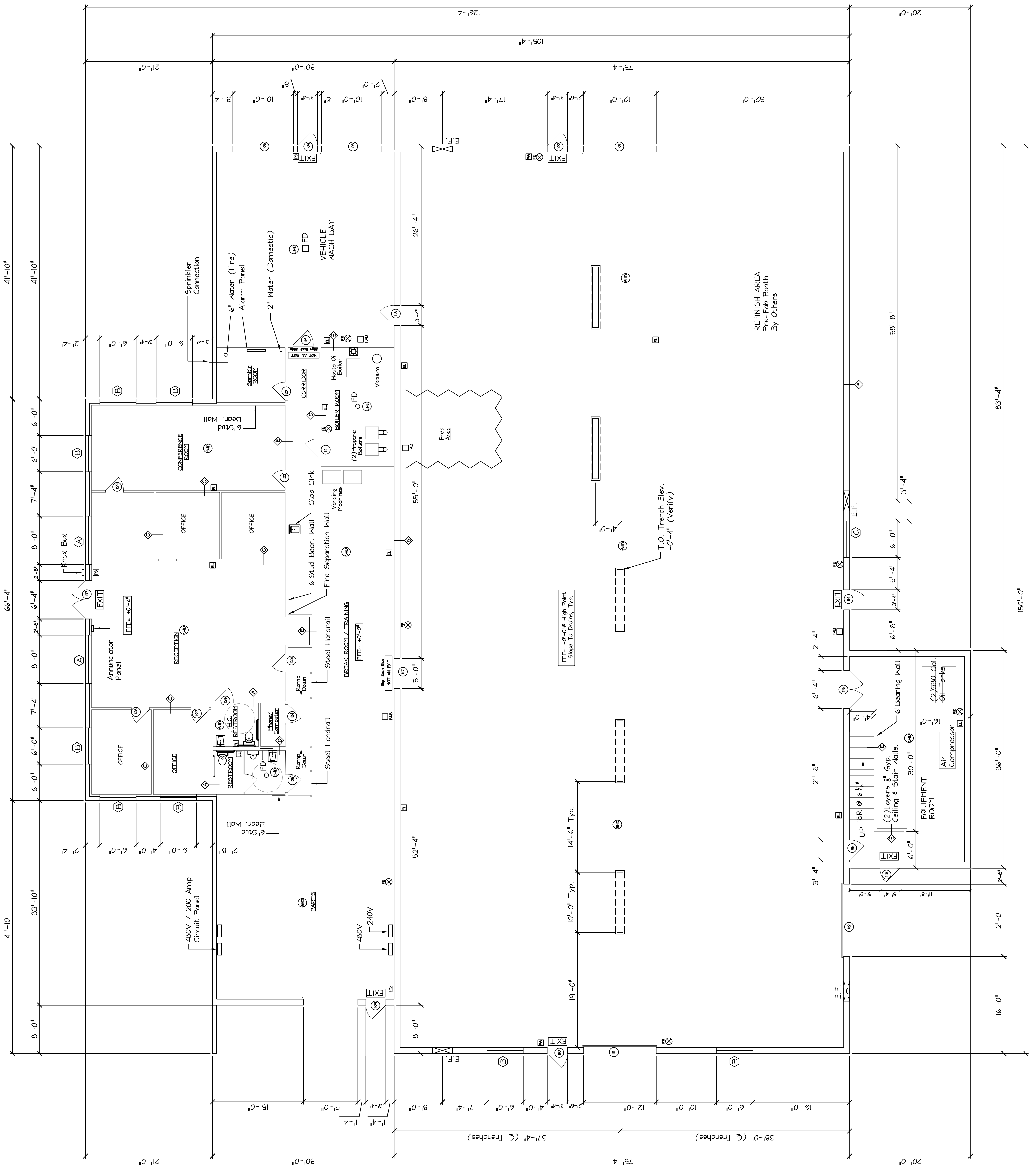
WINDOW SCHEDULE

| 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 | |



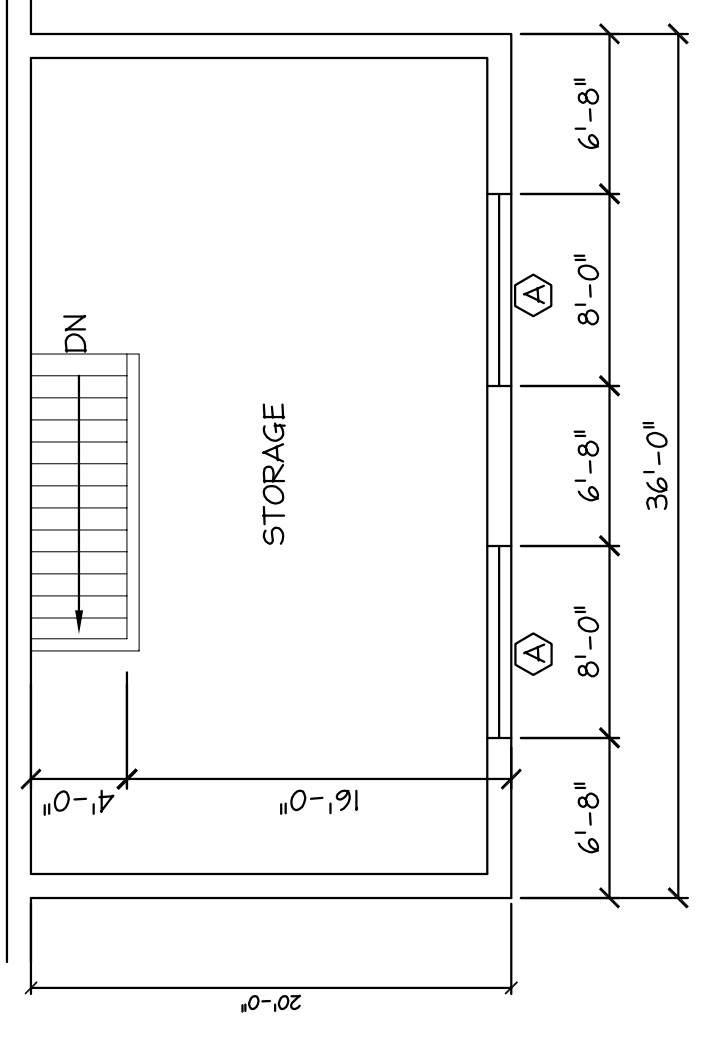
FIRE SAFETY LEGEND

- SMOKE/HEAT DETECTOR
- PULL STATION
- FIRE EXTINGUISHER
- EMERGENCY LIGHT/HORN STROBE PACK
- FIRE ALARM BELL



FIRST FLOOR PLAN

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



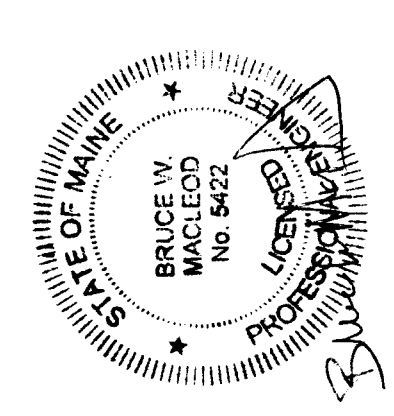
SECOND FLOOR PLAN

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

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MOODY'S COLLISION CENTER
 PORTLAND
 MAINE

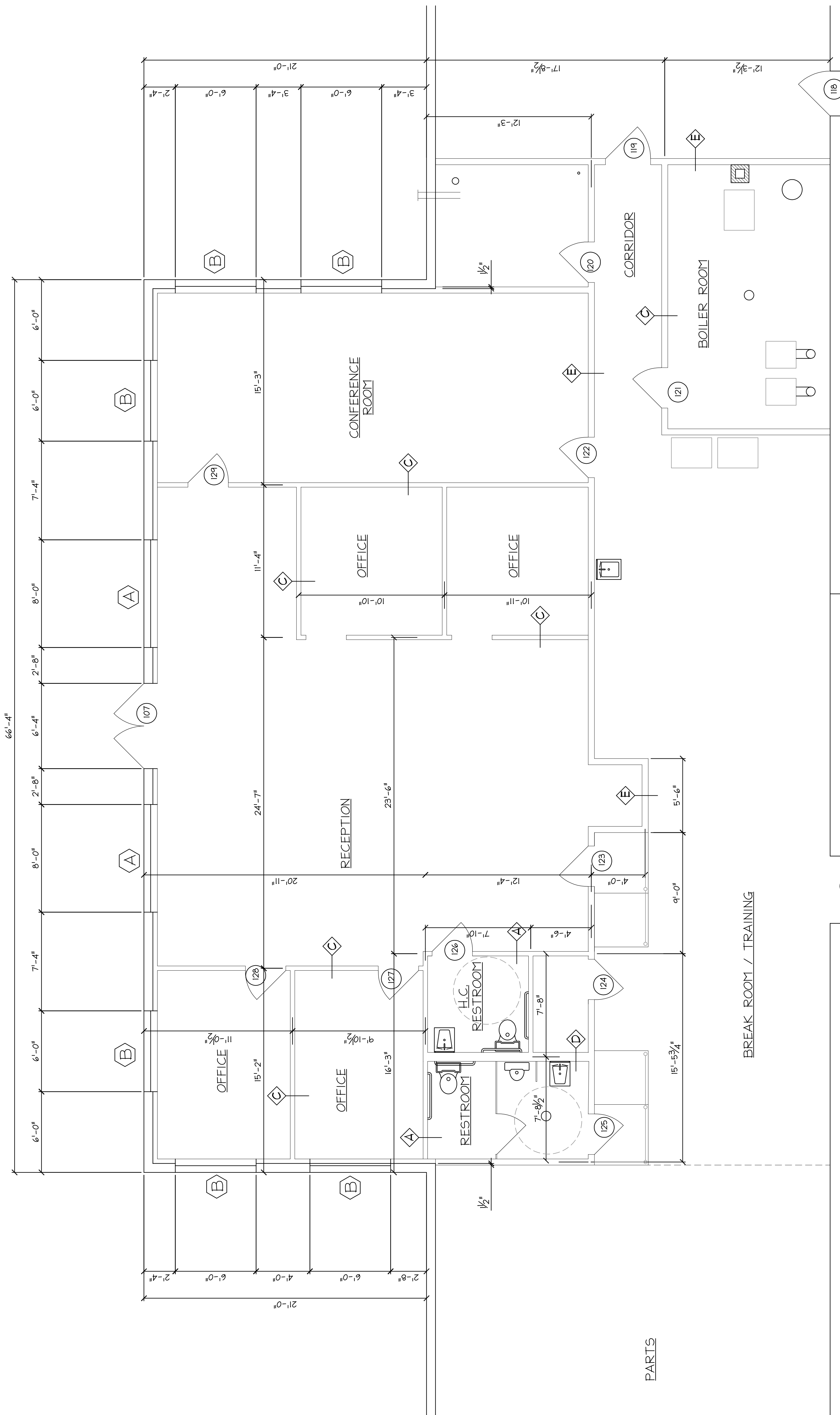
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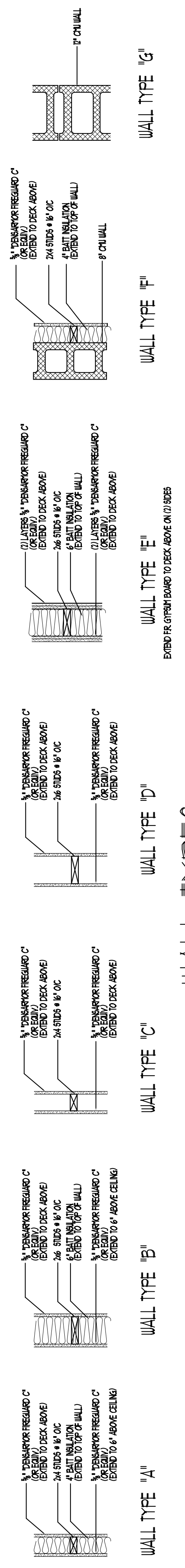
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DRN BY: DMB
 CHK'D BY: BMM
 DATE: 10/22/07
 SCALE: As Noted
 PROJ. NO.: 2007-277

SHEET TITLE:
 FIRST FLOOR
 PART PLAN
 A3 OF 13



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



WALL TYPES

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' PFG SOLARBAN 60' COATED GLASS IN 'CLEAR' GLASS

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 1/4" SOLID CORE BIRCH VENEER

DOOR HARDWARE:
 LOCKSETS SHALL BE SARGENT 10LINE HD, CYLINDRICAL KEY-IN-LEVER W/ 26D FINISH HINGES: (3) 4"x4" HAGER FULL MORTISE #100 STOPS (ALL DOORS); HAGER #25ZF CAST STOP CLOSER: NORTON #6025 SURFACE CLOSER

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

CODE REVIEW

2003 INTERNATIONAL BUILDING CODE (IBC)
 2003 NFPA 101 LIFE SAFETY CODE
 USE AND OCCUPANCY CLASSIFICATION
 USE GROUP : B - BUSINESS (OFFICE AREA).
 TOTAL BUILDING AREA (MOTOR VEHICLE REPAIR GARAGE)
 TYPE OF CONSTRUCTION SECTION 602
 GENERAL BUILDING HEIGHTS AND AREAS SECTION 503
 SECTION 506 AREA MODIFICATIONS:
 SECTION 507 -UNLIMITED AREA BUILDINGS:
 SECTION 507.3 TWO STORY EQUIPPED W/ SPRINKLER = UNLIMITED AREA.

FIRE RATINGS:
 BEARING WALLS: 0 HOUR
 ROOF CONSTRUCTION: 0 HOUR
 STRUCTURAL FRAME: 0 HOUR
 MECHANICAL RIS: 1 HOUR
 BEARING WALLS: 0 HOUR
 NONBEARING WALLS: 0 HOUR
 STORAGE (100 #): 1 HOUR
 MECHANICAL RIS: 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
 903.2.8 GROUP 5-1
 AN AUTOMATIC SPRINKLER SYSTEM REQUIRED IF THE FIRE AREA CONTAINING A GROUP 5-1 OCCUPANCY EXCEEDS 12,000 SF
 SPRINKLER SYSTEM IS REQUIRED AS THE FIRE AREA CONTAINING THE GROUP 5-1 OCCUPANCY IS GREATER THAN 12,000 SF
 MEANS OF EGRESS
 TABLE 1004.1.2 OCCUPANT LOAD:
 BUSINESS: 100 GROSS 1ST FLOOR: (1,348 SF) / 100 SF PER OCCUPANT = 14 OCCUPANTS
 STORAGE: 300 GROSS 1ST FLOOR: (16,919 SF) / 300 SF PER OCCUPANT =55 OCCUPANTS
 2ND FLOOR: (720 SF) / 300 SF PER OCCUPANT = 2 OCCUPANTS
 1008.1 MINIMUM NUMBER OF EXITS
 1 - 500: 2 EXITS
 1041.1 SPACES WITH ONE MEANS OF EGRESS
 BUSINESS: MAXIMUM 50 OCCUPANT LOAD
 STORAGE: MAXIMUM 30 OCCUPANT LOAD
 1008.2 - ONE MEANS OF EGRESS FROM SECOND FLOOR ACCEPTABLE
 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

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

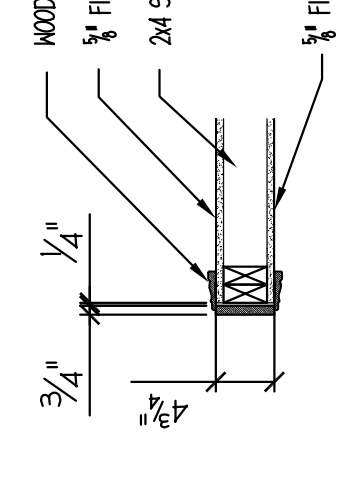
BATHROOMS:
 TOILETS: SEAT MOUNTED 17"-19" AFF
 GRAB BARS MOUNTED 34"-36" AFF
 TOILET PAPER DISPENSER MOUNTED 19" AFF MIN. TO ♀, AND 30" FROM BACK WALL TO ♂.
 SINK: 34" MAX TO RIM WITH 2 1/4"x8" D MIN. KNEE ROOM, INSULATE HOT WATER AND DRAIN LINES, LEVER OPERATED FAUCET CONTROLS
 MIRRORS: 40" AFF MAX. TO BOTTOM EDGE OF MIRROR

BRAILLE NOTES:
 GRADE 2 BRAILLE SIGNAGE TO BE LOCATED 60" AFF AT ALL LOCATIONS WHERE CONVENTIONAL SIGNAGE IS INSTALLED.
 (A) EXIT
 (B) MEN'S ROOM
 (C) WOMEN'S ROOM
 (D) CONFERENCE ROOM
 (E) OFFICE
 (F) BREAK ROOM
 (G) SERVICE DEPT.
 (H) PARTS DEPT.

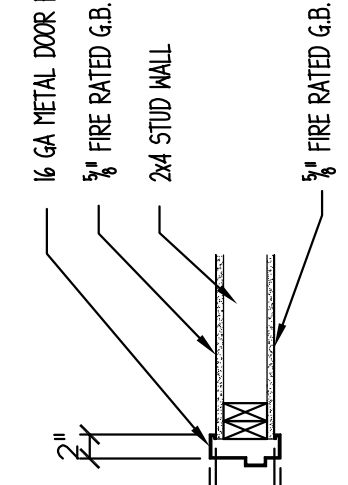
DOOR SCHEDULE

| DOOR # | SIZE | LABEL | DOOR | | FRAME | | REMARKS |
|--------|-----------|-------|------------|------|-------|------|---|
| | | | MTRL | ELEV | MTRL | ELEV | |
| 101 | 12'x6'4"H | --- | MT'L INS. | OH | MT'L | 1 | SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL |
| 102 | 3070 | --- | MT'L INS. | F | HT | 1 | SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL |
| 103 | 10'x6'8"H | --- | MT'L INS. | OH | HT | 1 | SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL |
| 104 | 3070 | --- | MT'L INS. | F | HT | 1 | SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL |
| 105 | 10'x6'8"H | --- | MT'L INS. | OH | HT | 1 | SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL |
| 106 | 3070 | --- | MT'L INS. | F | HT | 1 | SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL |
| 107 | (2) 3070 | --- | ALUM/GLASS | G/G | HT | 2 | STOREFRONT |
| 108 | 9'x6'8"H | --- | MT'L INS. | OH | HT | 1 | SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL |
| 109 | 3070 | --- | MT'L INS. | F | HT | 1 | SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL |
| 110 | 3070 | --- | MT'L INS. | OH | HT | 1 | SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL |
| 111 | 12'x6'4"H | --- | MT'L INS. | OH | HT | 1 | SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL |
| 112 | 3070 | --- | MT'L INS. | F | HT | 1 | SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL |
| 113 | 3070 | --- | MT'L INS. | F | HT | 1 | SECTIONAL OVERHEAD PANIC HARDWARE & EXT. PULL |
| 114 | (2) 3070 | --- | MT'L INS. | F/F | HT | 2 | FRAMED OPENING |
| 115 | (2) 3070 | --- | MT'L INS. | F | HT | 1 | FRAMED OPENING |
| 116 | 5070 | --- | MT'L INS. | HG | HT | 1 | FRAMED OPENING |
| 117 | 5070 | --- | MT'L INS. | FG | HT | 1 | FRAMED OPENING |
| 118 | 3070 | --- | MT'L | F | HT | 1 | FRAMED OPENING |
| 119 | 3070 | --- | MT'L | F | HT | 1 | FRAMED OPENING |
| 120 | 3070 | --- | MT'L | F | HT | 1 | FRAMED OPENING |
| 121 | 3070 | --- | MT'L | F | HT | 1 | FRAMED OPENING |
| 122 | 3070 | --- | MT'L | F | HT | 1 | FRAMED OPENING |
| 123 | 3070 | --- | MT'L | F | HT | 1 | FRAMED OPENING |
| 124 | 3070 | --- | MT'L | F | HT | 1 | FRAMED OPENING |
| 125 | 3070 | --- | MT'L | F | HT | 1 | FRAMED OPENING |
| 126 | 3070 | --- | OAK | P | MD | 1 | FRAMED OPENING |
| 127 | 3070 | --- | OAK | P | MD | 1 | FRAMED OPENING |
| 128 | 3070 | --- | OAK | P | MD | 1 | FRAMED OPENING |
| 129 | 3070 | --- | OAK | P | MD | 1 | FRAMED OPENING |
| 130 | 3070 | --- | OAK | P | MD | 1 | FRAMED OPENING |
| 131 | 3070 | --- | OAK | P | MD | 1 | FRAMED OPENING |

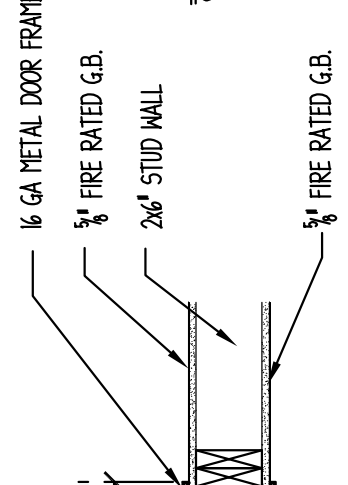
NOTE - ALL 3070 DOORS TO HAVE LEVER HANDLES



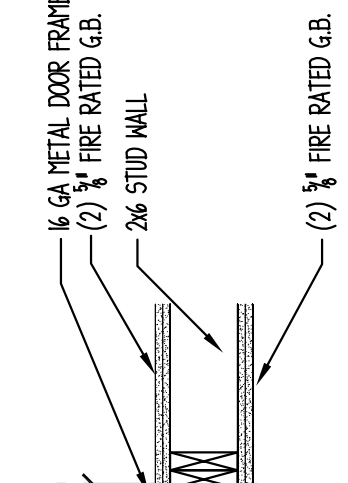
JAMB DETAIL "A"



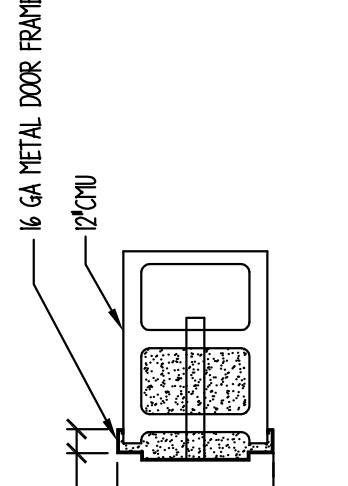
JAMB DETAIL "B"



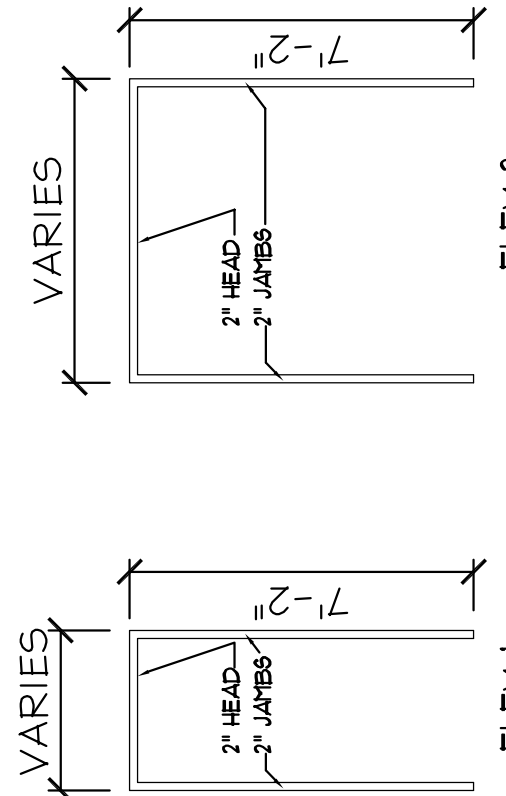
JAMB DETAIL "C"



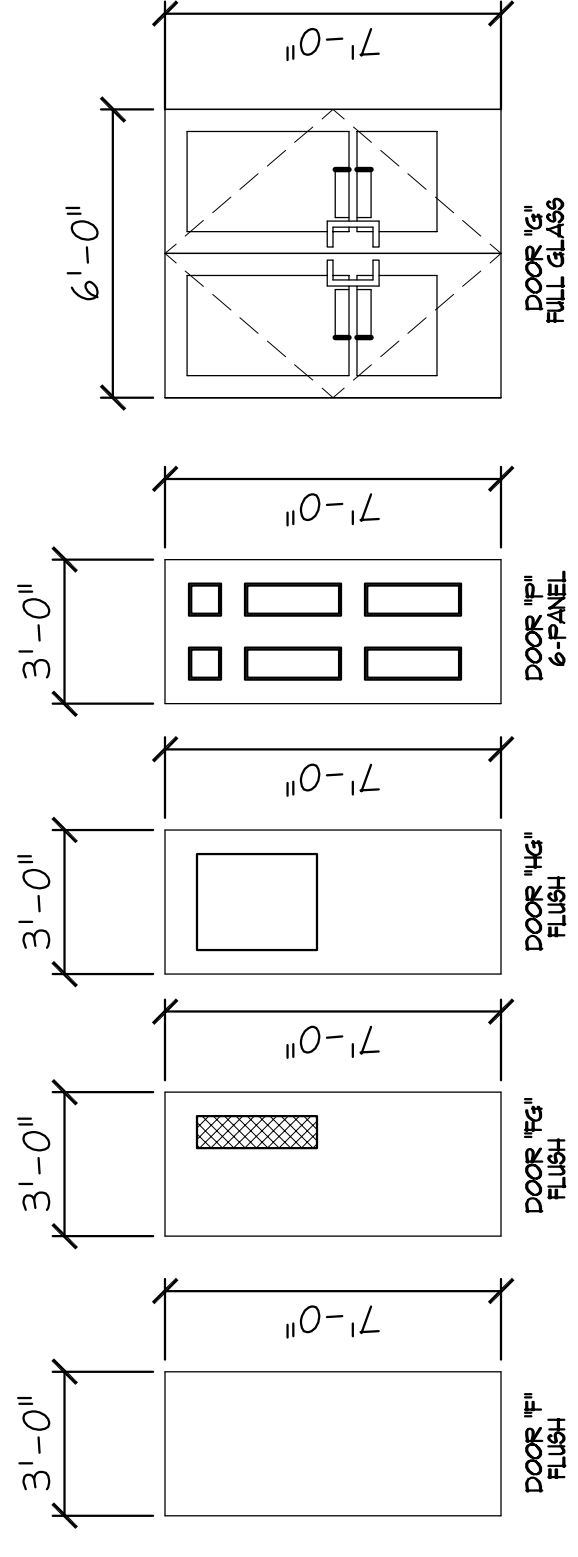
JAMB DETAIL "D"



JAMB DETAIL "E"

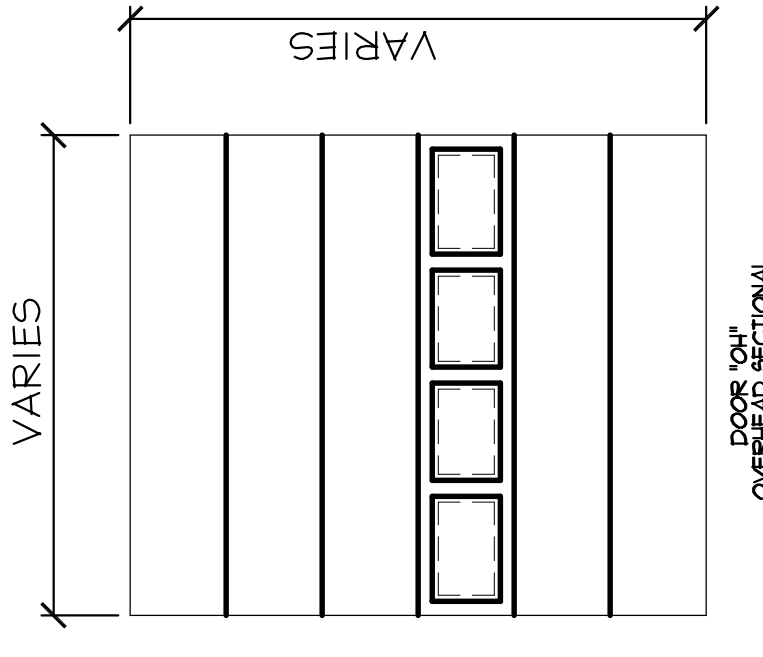


FRAME ELEVATIONS



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 1/4" THICK
DOOR HARDWARE:
 LOCKSETS SHALL BE SARGENT 10LINE HD, CYLINDRICAL KEY-IN-LEVER W/ 26D FINISH HINGES: (3) 4"x4" HAGER FULL MORTISE #100 PLAIN BEARING STEEL
 STOPS (ALL DOORS); HAGER #25ZF CAST STOP CLOSER: NORTON #6025 SURFACE CLOSER
 FRONT ENTRY EXIT DEVICE:
 SARGENT #4000 SERIES VERTICAL ROD/CONCEALED W/ 3" OFFSET PULLS @ EXTERIOR



OVERHEAD SECTION

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 CHECKED BY: EBAN
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 SCALE: As Noted
 PROJ. NO.: 2007-277

SHEET TITLE:
 NOTES &
 DOOR SCHEDULE

| GENERAL NOTES: | FOUNDATION NOTES: | WOOD FRAMING NOTES: | WOOD TRUSS NOTES: |
|--|---|---|---|
| <p>1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH SPECIFIC METHODS AND REGULATIONS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLET'S, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.</p> <p>2. 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.</p> <p>3. 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 PERSONNEL DURING ERECTION. THIS INCLUDES THE ADDITION OF THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS. SUCH MATERIAL SHALL RETAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.</p> <p>4. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.</p> <p>5. 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.</p> | <p>FOUNDATION NOTES:</p> <ol style="list-style-type: none"> FOUNDATION DESIGNED BASED ON A REPORT BY SEBAGO TECHNOLOGICAL SERVICES INC. BEARING CAPACITY 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, WET 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 STRUCTURAL 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. RE-ENTRANT CORNER. BAR SHALL BE PLACED AT 45° TO OPENING. | <p>WOOD FRAMING NOTES:</p> <ol style="list-style-type: none"> STRUCTURAL LUMBER: SPRUCE PINE FIR NO1/NO2 OR BETTER F_v = 875 PSI E = 1,000,000 PSI F_b = 1150 PSI E = 1,400,000 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 SPIKE TOGETHER ALL FRAMING MEMBERS WHICH ARE BUILT-UP USING MULTIPLE 2x LUMBER. PROVIDE GALVANIZED METAL TIES EQUAL TO SIMPSON L2.5 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 STRUCTURAL I OR II RATED SHEATHING, SPAN RATING 32/16 (TRUSSES), 24/12 (JOISTS). INSTALL SHEETS WITH FACE GRAIN DIRECTION PERPENDICULAR TO SUPPORTING MEMBERS. PROVIDE 1/2" THRU BOLTS STAGGERED @ 24" O.C. FOR ATTACHMENT OF 2x WALLER 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. | <p>WOOD TRUSS NOTES:</p> <ol style="list-style-type: none"> DESIGN CRITERIA FOR ROOF SYSTEM: A. DEAD LOAD (SNOW) PER STRUCTURAL DESIGN CRITERIA B. DEAD LOAD PER STRUCTURAL DESIGN CRITERIA C. WIND LOAD PER STRUCTURAL DESIGN CRITERIA D. LOAD COMBINATIONS PER IBC 2003 INTERNATIONAL BUILDING CODE 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 AISC STANDARDS C. DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES. TPI LATEST EDITION. BRACING: A. TRUSS MANUFACTURER SHALL SPECIFY ALL BRACING FOR BOTH TEMPORARY CONSTRUCTION LOADING AND FOR PERMANENT LATERAL SUPPORT OF COMPRESSION MEMBERS, GABLE END WALLS, AS WELL AS ERECTION PROCEDURES. B. MINIMUM BRACING REQUIREMENTS AND INSTRUCTIONS DESCRIBED TO THE TRUSS MANUFACTURER SHALL INCLUDE AND COMPLY WITH IBC 2003 INTERNATIONAL BUILDING CODE C. ALL TEMPORARY AND PERMANENT BRACING SHALL BE MINIMUM 2x4 SPF No. 2 MATERIAL CONNECTED WITH MINIMUM 2-1/2" DIA NAILS AT ALL CONNECTIONS, UNLESS OTHERWISE SPECIFIED BY TRUSS MANUFACTURER OR IBC-91. D. THE CONTRACTOR SHALL COMPLY WITH THE "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING, AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, IBC-91." IT IS THE RESPONSIBILITY OF THE INSTALLER/CONTRACTOR TO PROPERLY RECEIVE, UNLOAD, STORE, HANDLE, 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 SHOWN SUCH VARIATIONS. ALL VARIATIONS SHALL BE APPROVED BY THE ENGINEER. |
| <p>STRUCTURAL DESIGN CRITERIA:</p> <ol style="list-style-type: none"> 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: UPWARD LEANWARD = -13.3 PSF DOWNWARD LEANWARD = -1.6 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: UPWARD LEANWARD = +10.3 PSF DOWNWARD LEANWARD = -8.8 PSF SIDE WALLS = -1.6 PSF DESIGN WIND PRESSURE OVERHANG EXPOSURE CATEGORY = B = -19.1 PSF DESIGN WIND PRESSURE, WALLS SUCTION = +16.1 PSF = -17.6 PSF = -20.3 PSF @ CORNERS DESIGN WIND PRESSURE, ROOF: (PITCHED) SUCTION ZONE 1 = +13.0 PSF ZONE 2 = -15.4 PSF ZONE 3 = -23.3 PSF = -43.6 PSF SNOW: GROUND SNOW LOAD IMPORTANCE FACTOR, I_s = 1.0 EXPOSURE FACTOR, C_e = 1.0 FLAT ROOF SNOW LOAD = 42 PSF ROOF DEAD LOAD = 10.0 PSF TOP CHORD = 10.0 PSF BOTTOM CHORD FLOOR LOAD CONFERENCE ROOM / ASSEMBLY OFFICES = 100.0 PSF SECOND FLOOR LIGHT STORAGE AREA = 50.0 PSF = 125.0 PSF | <p>CONCRETE NOTES:</p> <ol style="list-style-type: none"> ALL CONCRETE WORK SHALL CONFORM TO ACI-318. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3000 PSI, MAXIMUM SIZE AGGREGATE SHALL BE 3/4". 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. SPLICES 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 = 1 1/2" CONCRETE NOT EXPOSED TO EARTH OR WEATHER = 3/4" SUBMIT COMPLETE REBAR SHOP DRAWINGS AND SCHEDULES SHOWING ALL DETAILS AND ELEVATIONS PRIOR TO ANY FABRICATION. | <p>MASONRY GENERAL NOTES</p> <ol style="list-style-type: none"> CONCRETE MASONRY SHALL BE ASTM C90, GRADE N, TYPE I. JOINT REINFORCING SHALL BE ASTM A82. GROUT SHALL BE ASTM C476, TYPE I FINE GROUT. MORTAR SHALL BE ASTM C270 TYPE S. PORTLAND CEMENT SHALL BE ASTM C150 TYPE I. 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. SPlice LENGTHS: #4 BAR = 2'-0" #5 BAR = 2'-6" ALL MASONRY BLOCK WALLS SHALL BE OF SINGLE RAKE CONSTRUCTION, AND LAID IN RUNNING BOND. TOOL ALL JOINTS CONCAVE. ALL MASONRY BLOCK WALLS SHALL BE COMPLETE WITH STANDARD TRUSSES TYPE HORIZONTAL REINFORCING AS MANUFACTURED BY TRUSS MANUFACTURER OR APPROVED EQUAL. REINFORCING SHALL BE PLACED AT EVERY SECOND COURSE. PREFABRICATED CORNERS AND TIES 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 FIELD WELDING TO BEARING PLATES PROPERLY EMBEDDED IN THE BOND BEAM. ALL WALLS TO HAVE VERTICAL CONTROL JOINTS AT A MAXIMUM SPACING OF 26'-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" BEYOND OR TO NEXT CONTROL JOINT. | <p>MASONRY GENERAL NOTES</p> <ol style="list-style-type: none"> CONCRETE MASONRY SHALL BE ASTM C90, GRADE N, TYPE I. JOINT REINFORCING SHALL BE ASTM A82. GROUT SHALL BE ASTM C476, TYPE I FINE GROUT. MORTAR SHALL BE ASTM C270 TYPE S. PORTLAND CEMENT SHALL BE ASTM C150 TYPE I. 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. SPlice LENGTHS: #4 BAR = 2'-0" #5 BAR = 2'-6" ALL MASONRY BLOCK WALLS SHALL BE OF SINGLE RAKE CONSTRUCTION, AND LAID IN RUNNING BOND. TOOL ALL JOINTS CONCAVE. ALL MASONRY BLOCK WALLS SHALL BE COMPLETE WITH STANDARD TRUSSES TYPE HORIZONTAL REINFORCING AS MANUFACTURED BY TRUSS MANUFACTURER OR APPROVED EQUAL. REINFORCING SHALL BE PLACED AT EVERY SECOND COURSE. PREFABRICATED CORNERS AND TIES 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 FIELD WELDING TO BEARING PLATES PROPERLY EMBEDDED IN THE BOND BEAM. ALL WALLS TO HAVE VERTICAL CONTROL JOINTS AT A MAXIMUM SPACING OF 26'-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" BEYOND OR TO NEXT CONTROL JOINT. |
| | <p>STRUCTURAL STEEL NOTES - GENERAL</p> <ol style="list-style-type: none"> STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL" 13th 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 TOTAL ALLOWABLE UNIFORM LOAD CAPACITY OF THE MEMBER, PER AISC MANUAL OF STEEL CONSTRUCTION. FABRICATOR SHALL 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 3/4" φ 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 1/2" THRU BOLTS STAGGERED @ 24" O.C. FOR ATTACHMENT OF 2x WALLER AT TOP & BOTTOM OF WF BEAM (COORDINATE w/ PLANS) SUBMIT COMPLETE STRUCTURAL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION. | <p>THIS DRAWING IS ISSUED</p> <p><input checked="" type="checkbox"/> Submitted For Permit Date: 11/17/08</p> <p>This Drawing Shall Be Considered A "Contract Document" Only When It, Together With The Specifications, Conditions of Contract, and Addendum thereto, Shall Be Considered A "Progress Print" - Not For Construction</p> <p>WE License 02427 WI License 02524 ME License 10997 VT License 02244 CT License 21302 RI License 02103 NJ License 12102 PA License 02103</p> | <p>THIS DRAWING IS ISSUED</p> <p><input checked="" type="checkbox"/> Submitted For Permit Date: 11/17/08</p> <p>This Drawing Shall Be Considered A "Contract Document" Only When It, Together With The Specifications, Conditions of Contract, and Addendum thereto, Shall Be Considered A "Progress Print" - Not For Construction</p> <p>WE License 02427 WI License 02524 ME License 10997 VT License 02244 CT License 21302 RI License 02103 NJ License 12102 PA License 02103</p> |
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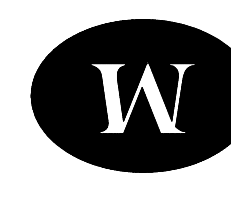
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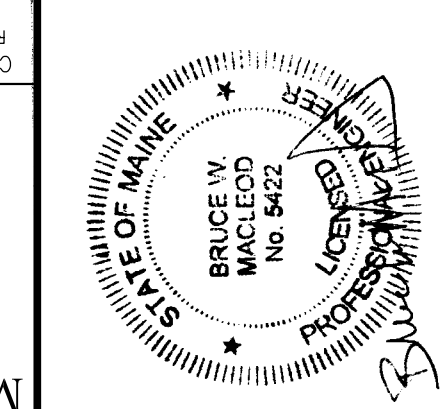
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Macleod Structural Engineers, PA



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NOTES

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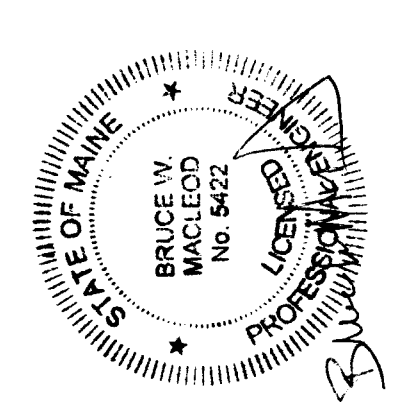
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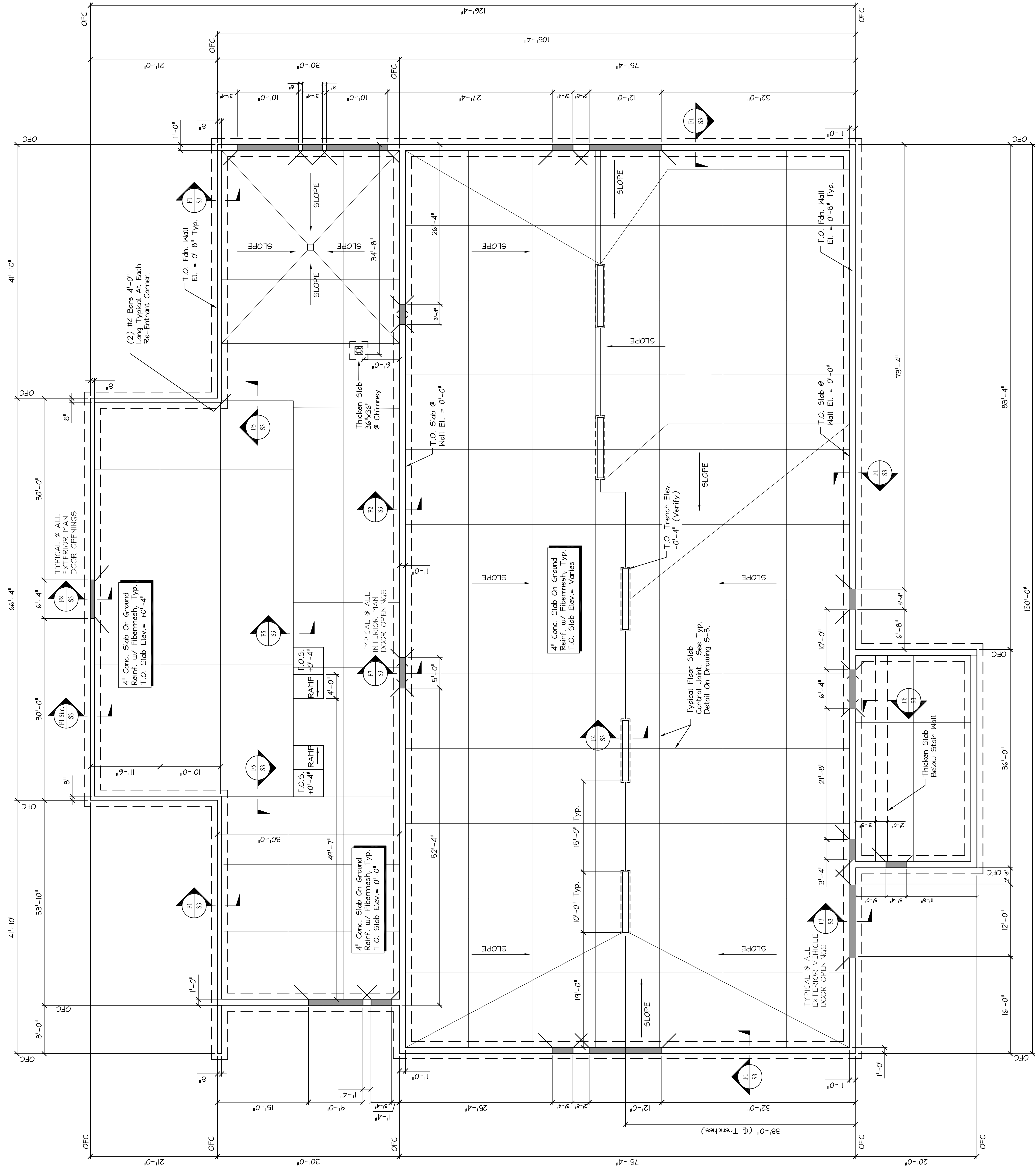
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 FOUNDATION
 PLAN

S2 OF 13

FOUNDATION NOTES:

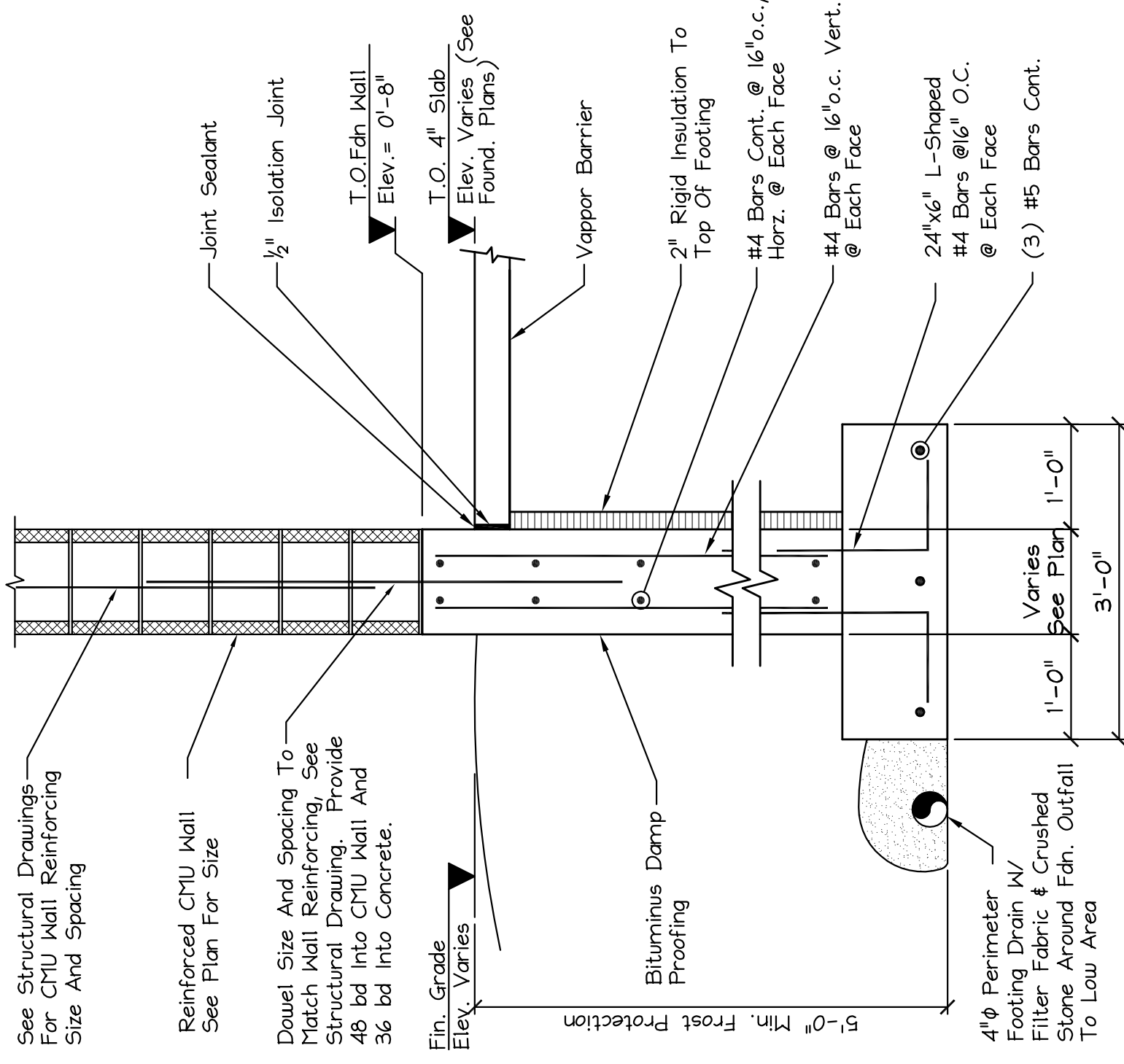
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|--|-----------------------------|
| Foundation Elevations: Top Of Slab... EL. = 0'-0", U.N.O. Top Of Fdn. Wall... EL. = (+0'-8"), U.N.O. | Verify With Arch't Dugs. |
|--|-----------------------------|

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.

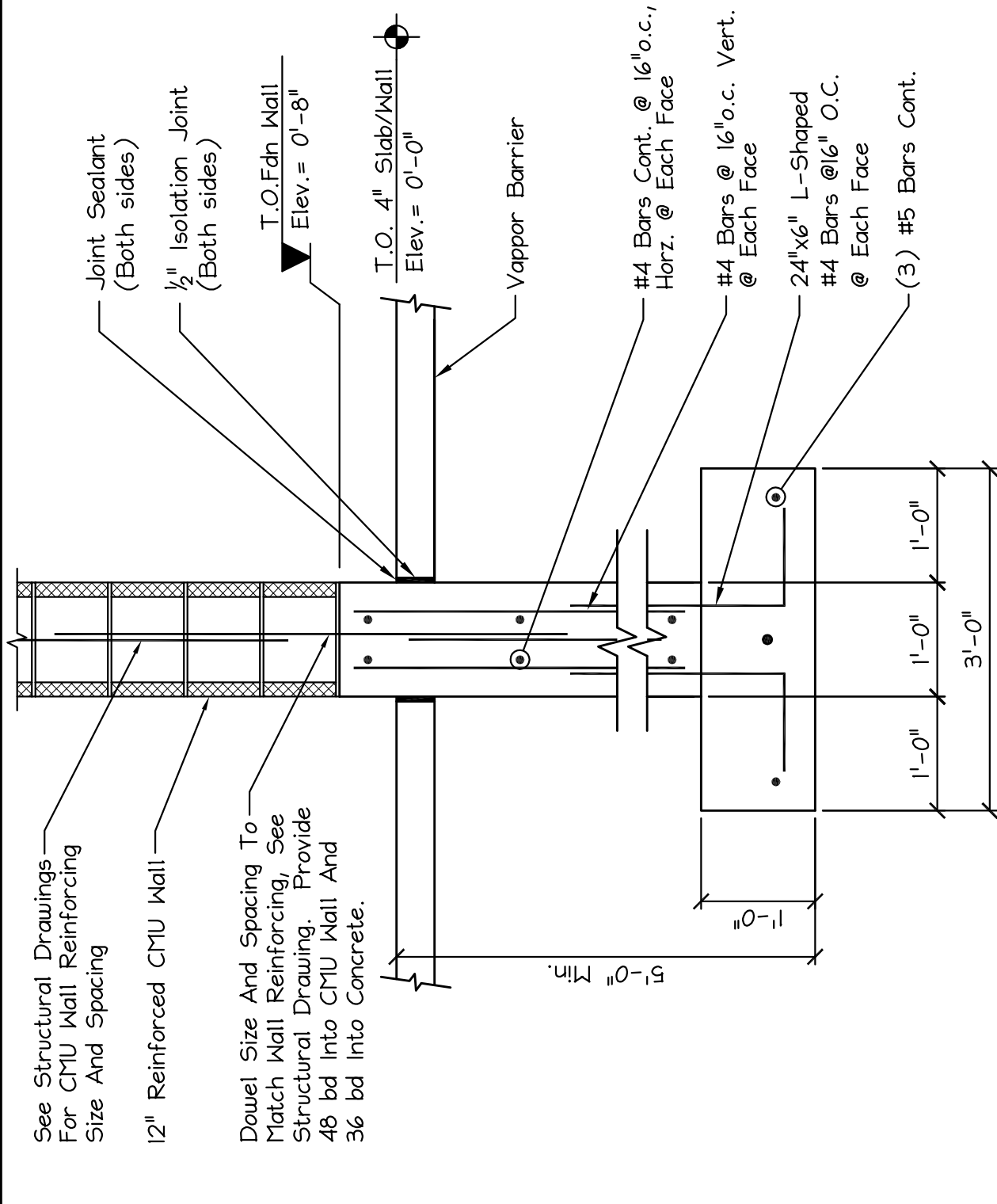


FOUNDATION PLAN
 SCALE: 1/8" = 1'-0"

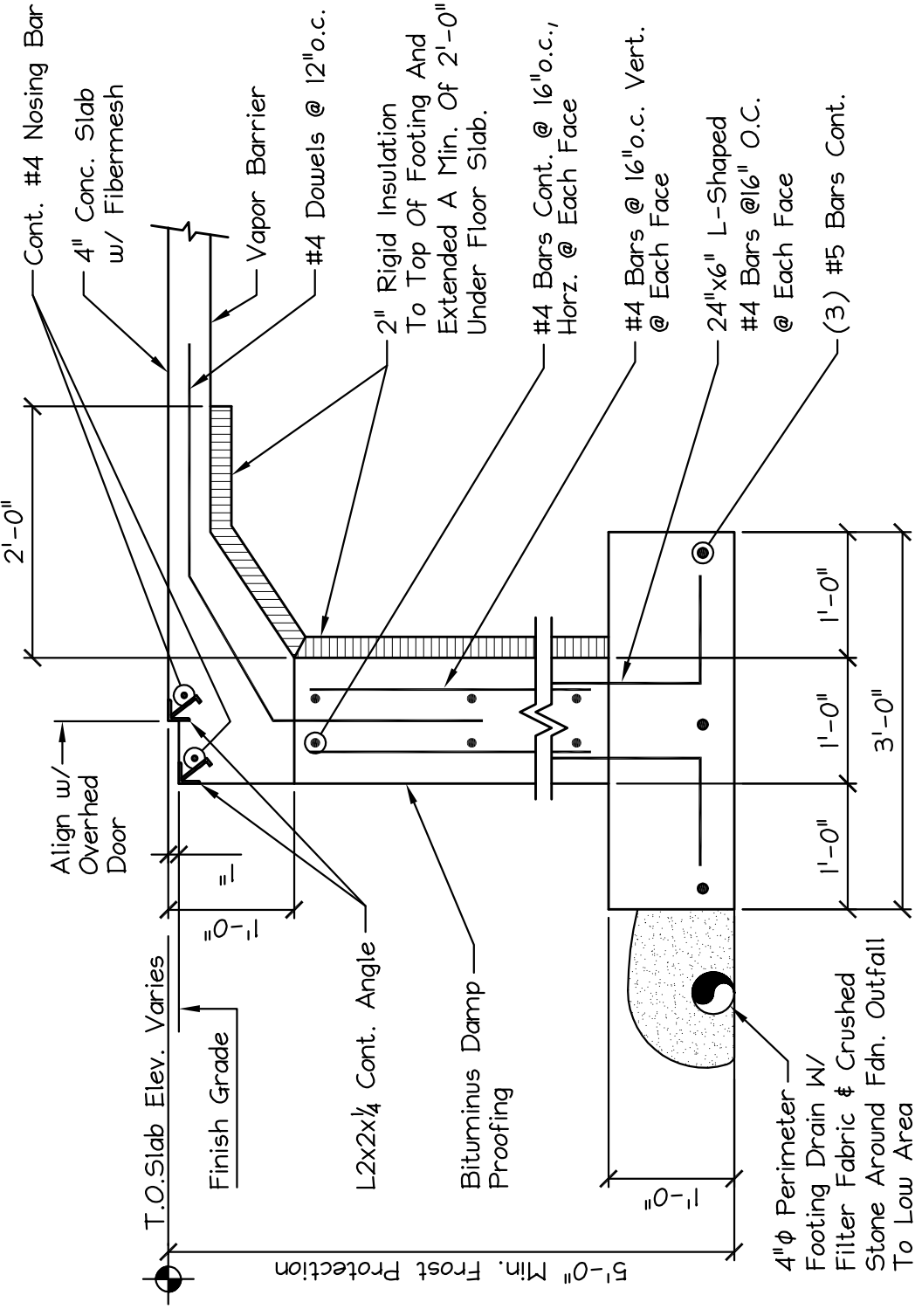
NOTE: Vapor Barrier Beneath Slab Shall Be "Steep Wrap" Vapor Barred Edge Seal An Alternate Product.



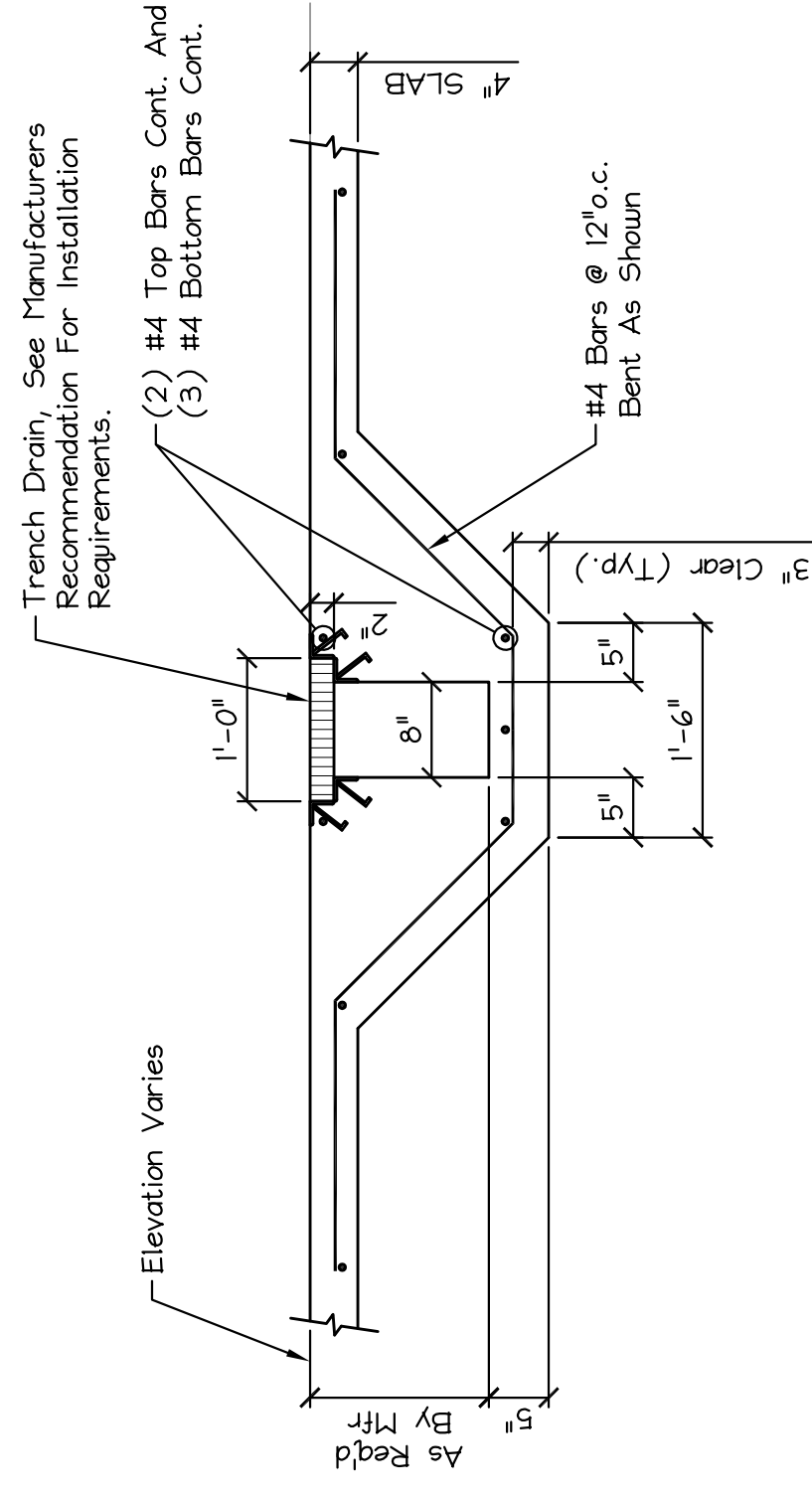
SECTION F1
SCALE: 3/4" = 1'-0"
TYPICAL PERIMETER 12" FROST WALL



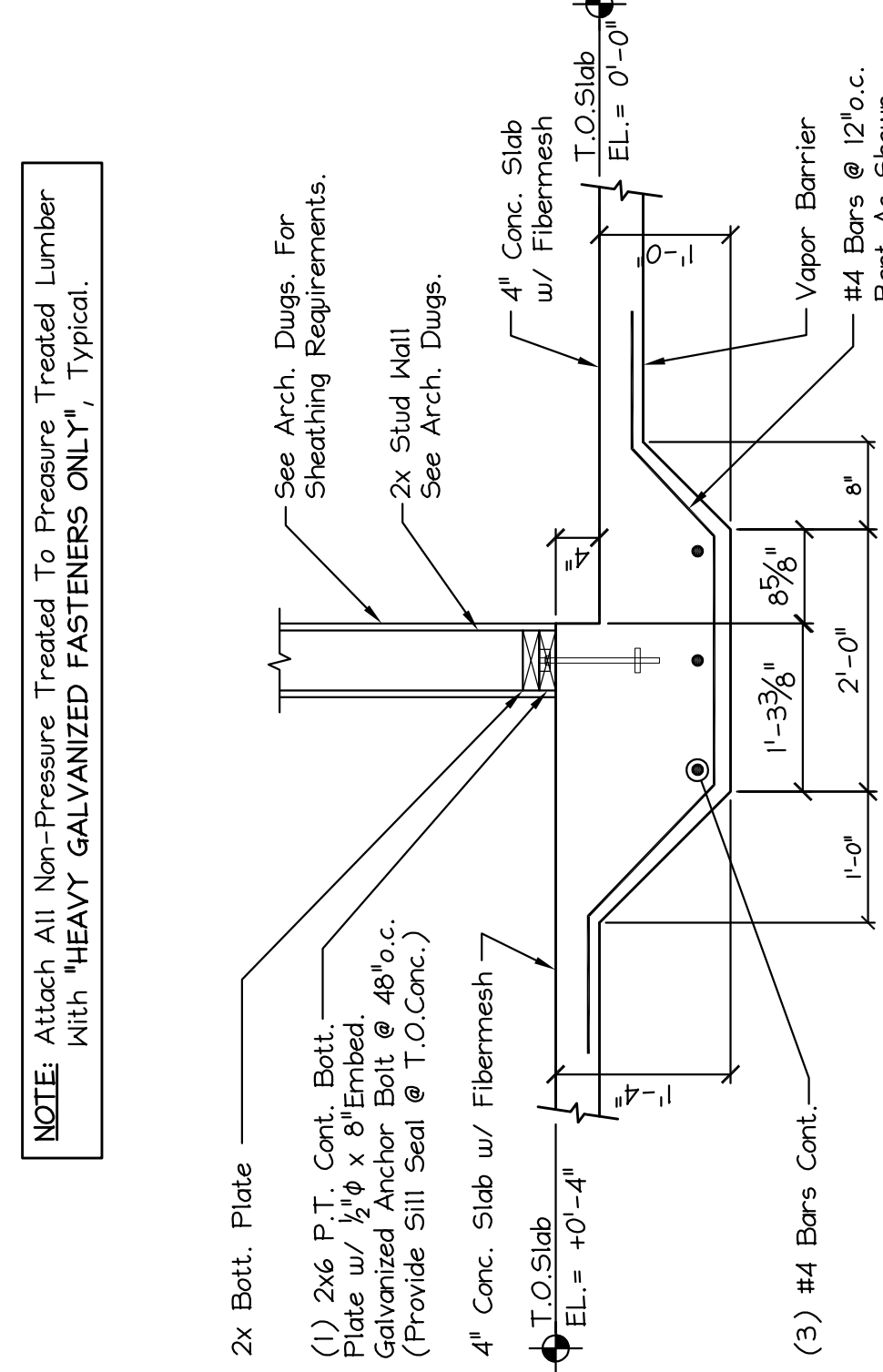
SECTION F2
SCALE: 3/4" = 1'-0"
TYPICAL INTERIOR PARTY FOUNDATION WALL



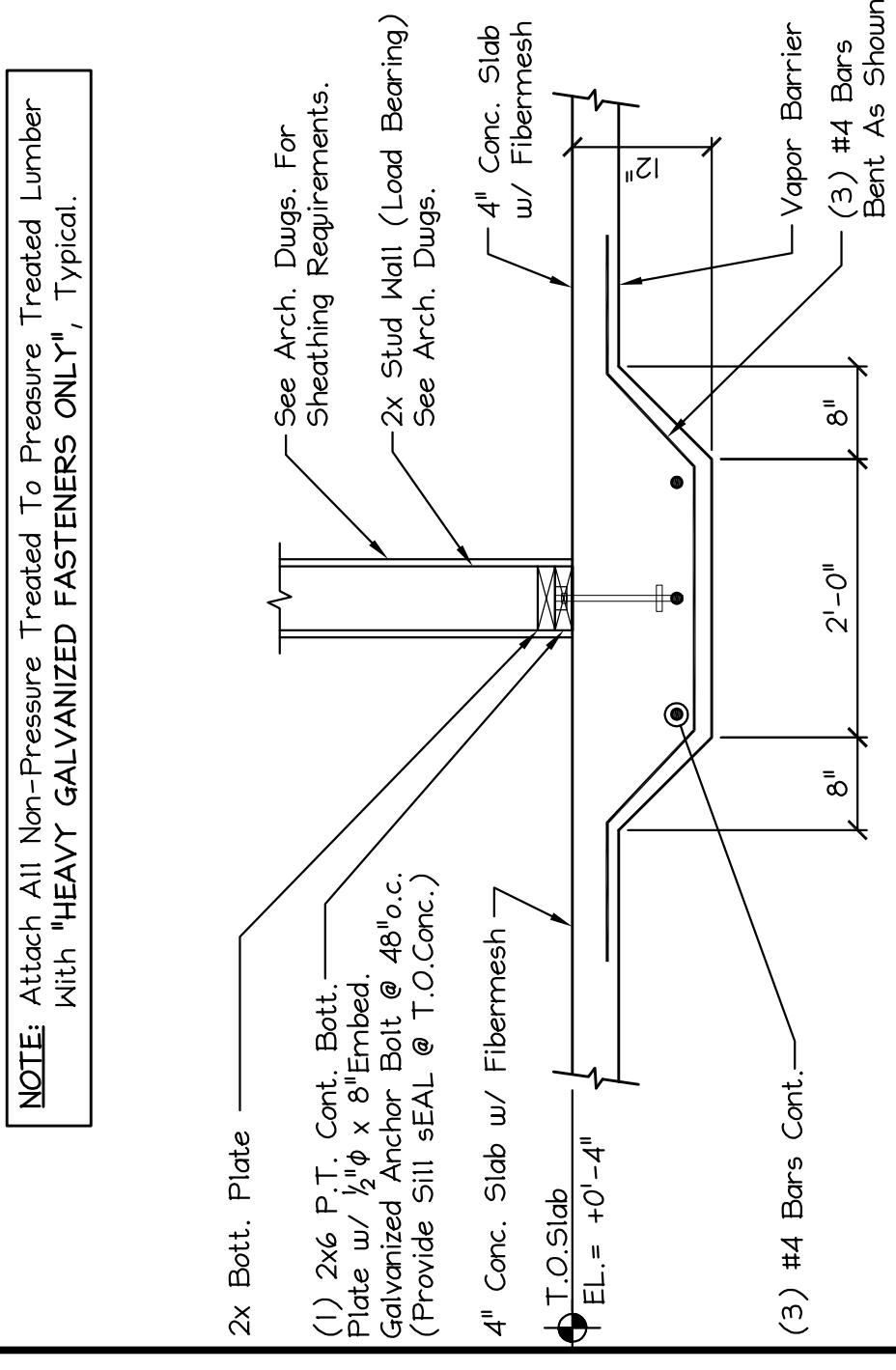
SECTION F3
SCALE: 3/4" = 1'-0"
TYPICAL 12" FOUNDATION WALL (GARAGE DOORS)



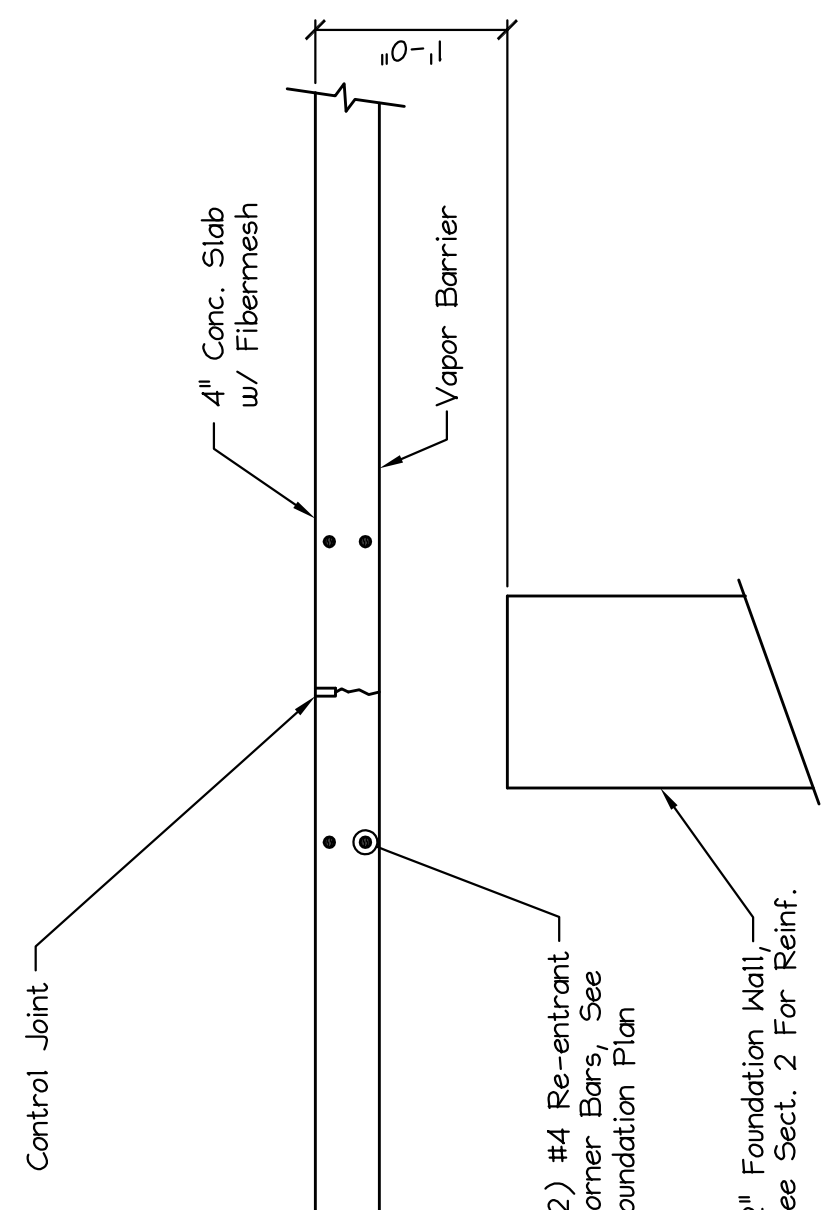
SECTION F4
SCALE: 3/4" = 1'-0"
TRENCH DRAIN



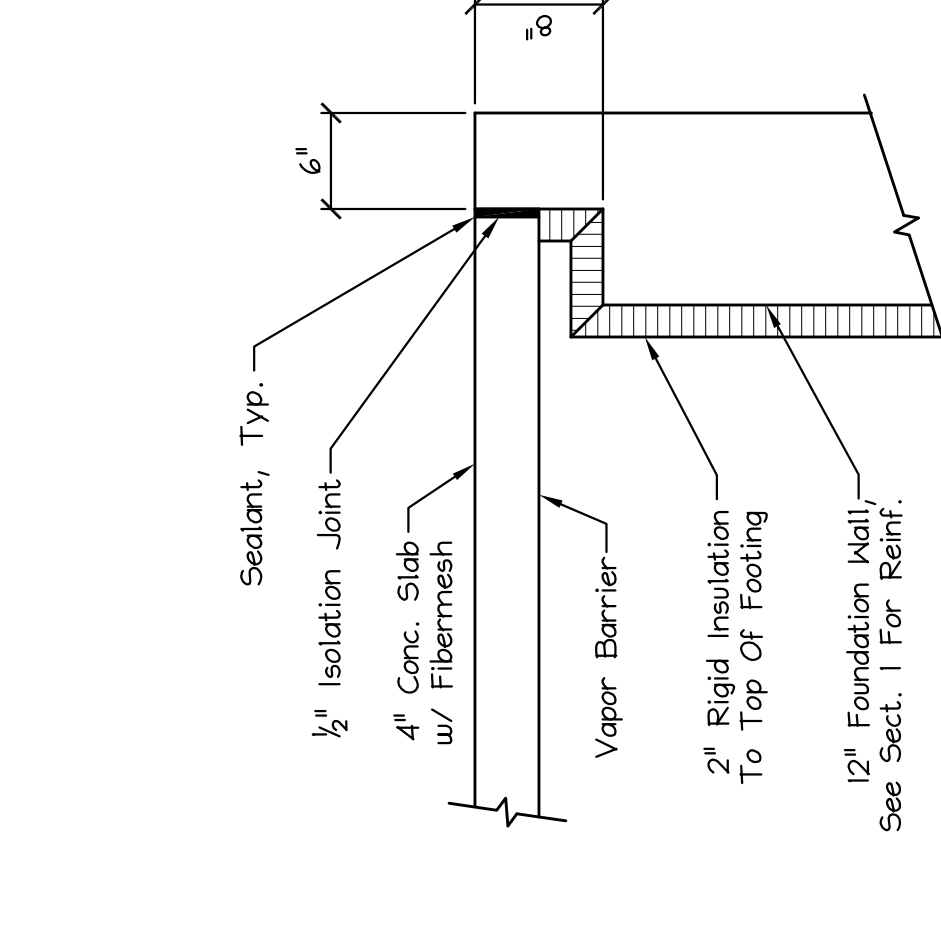
SECTION F5
SCALE: 3/4" = 1'-0"
TYP. HAUNCHED FLOOR SLAB @ STEPPED SLAB



SECTION F6
SCALE: 3/4" = 1'-0"
TYP. HAUNCHED FLOOR SLAB @ LOAD BEARING WALL



SECTION F7
SCALE: 1" = 1'-0"
TYPICAL SECTION @ INT. SLAB ON GROUND MAN DOORS



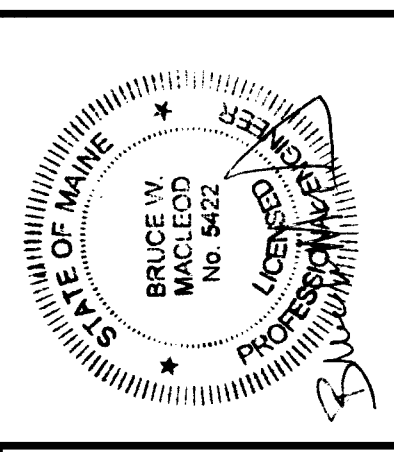
SECTION F8
SCALE: 1" = 1'-0"
TYPICAL SECTION @ EXT. SLAB ON GROUND MAN DOORS

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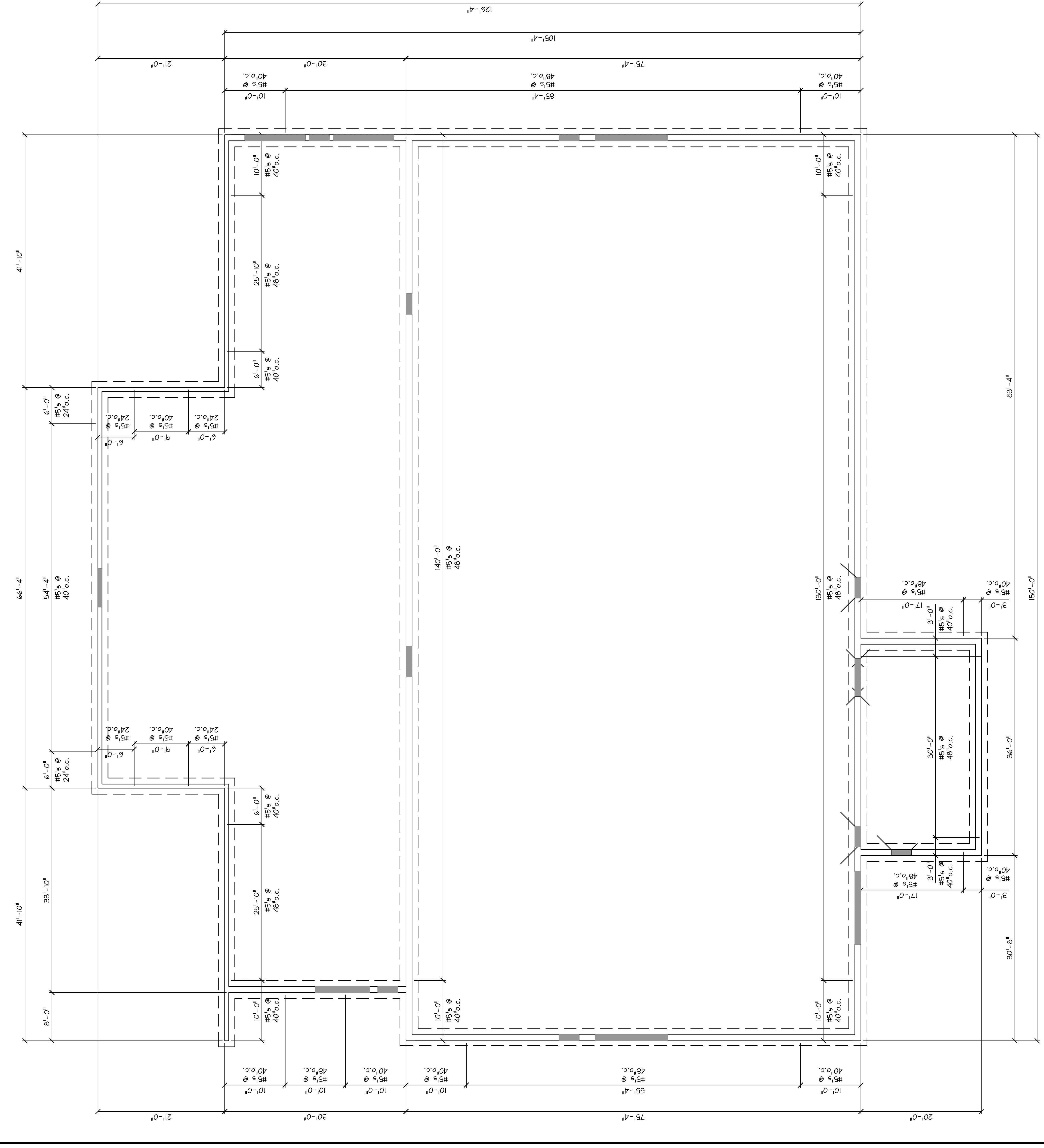
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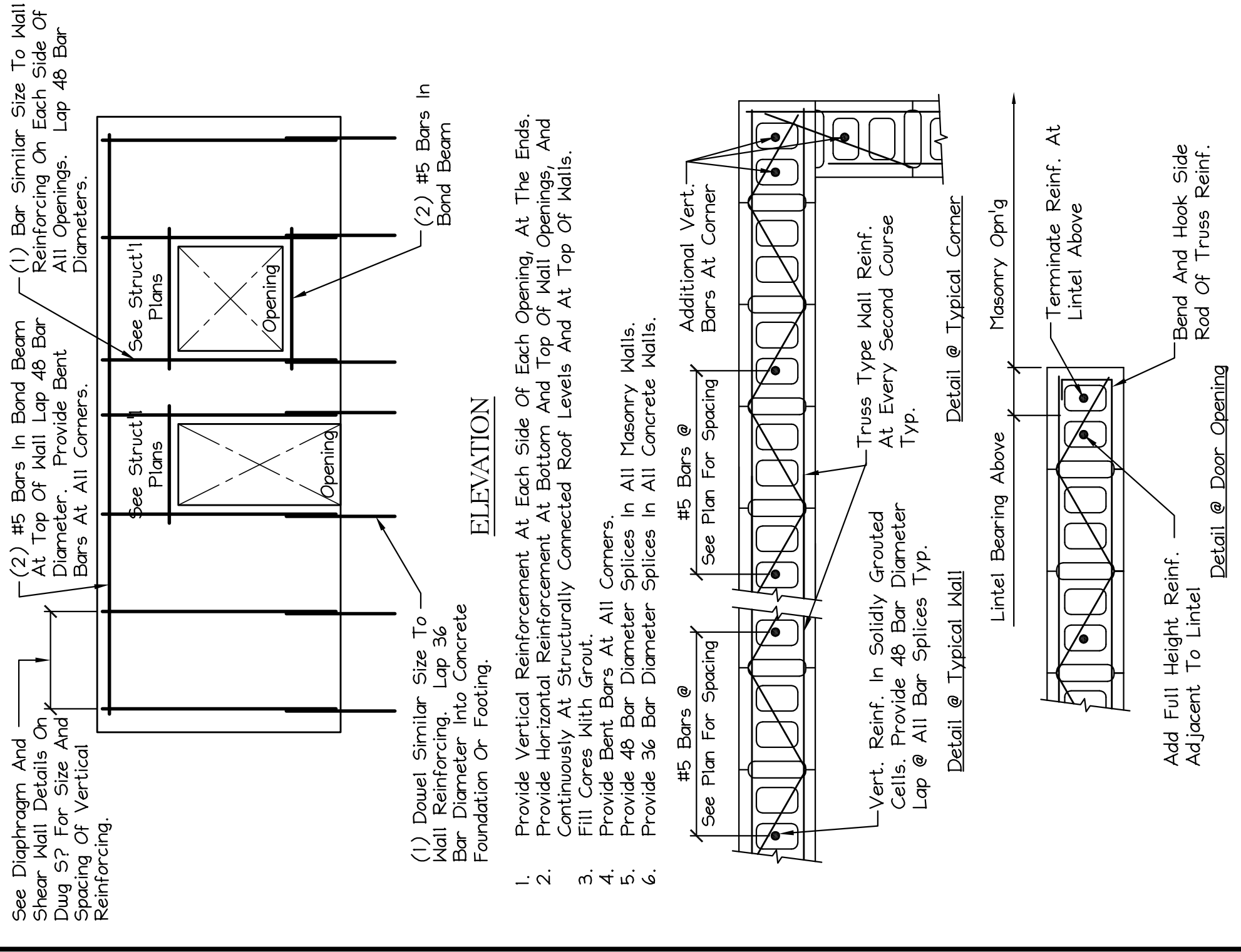
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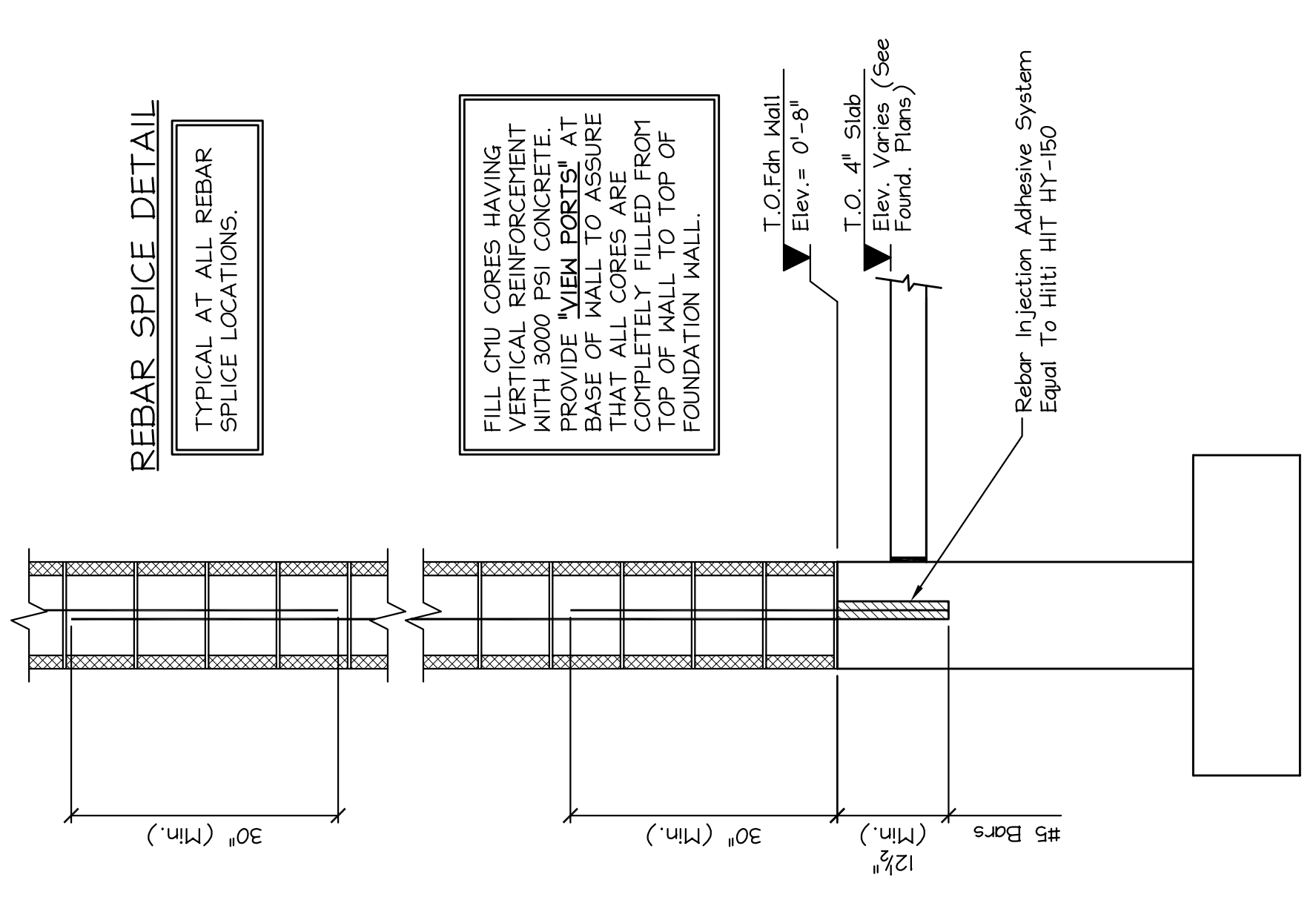
SHEET TITLE:
 FOUNDATION DETAILS



CMU VERTICAL REINFORCEMENT PLAN
SCALE: 1/8" = 1'-0"



DETAIL - TYPICAL MASONRY WALL REINFORCEMENT
SCALE: NOT TO SCALE

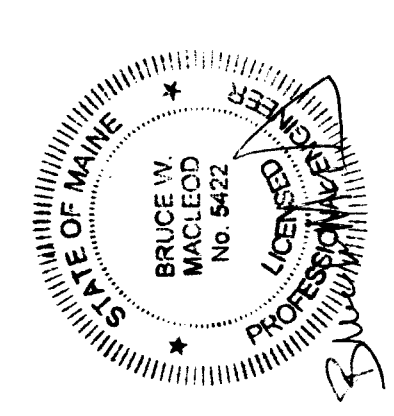


TYPICAL EMBEDMENT AND REBAR SPLICE DETAIL
SCALE: 3/4" = 1'-0"

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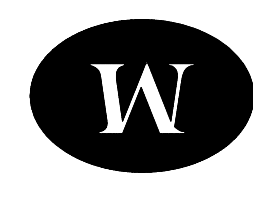
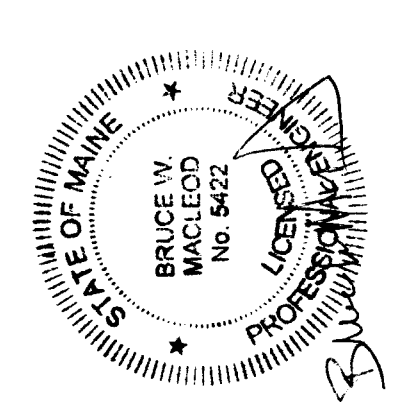
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ROOF FRAMING PLAN

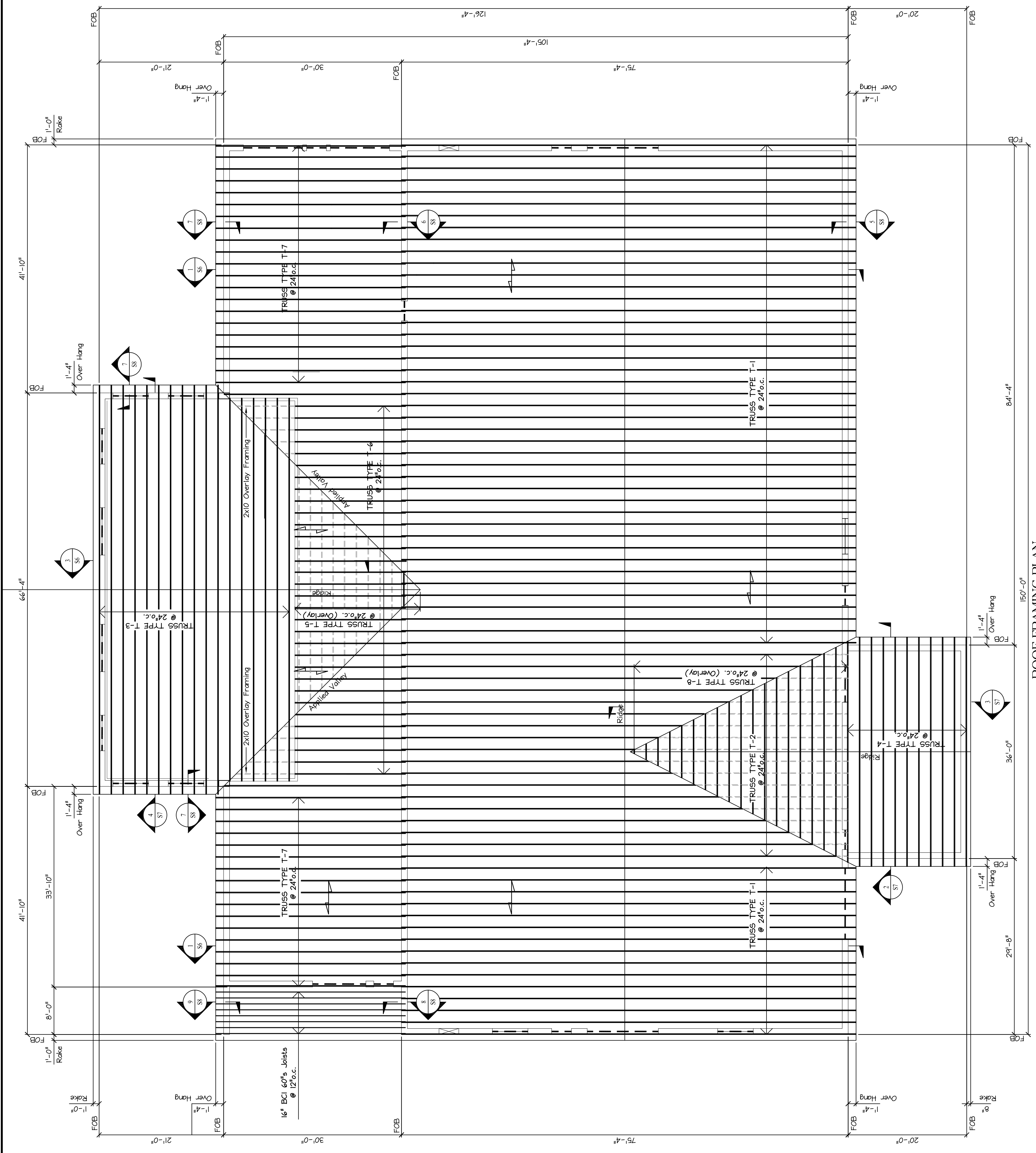
ROOF FRAMING NOTES

Underside Of Truss Elev. = Varies (See Building Sections)
 T-# Indicates Truss Profile Type.
 All Wood Trusses Are At 24" o.c. Spacing.
 See Sheets S7 Thru S6 For Truss Profiles.
 Steel Beams Shall Be Welded With 1/4" Fillet Weld
 4" Long On Each Side Of Beam (@ Bearing & Locations)
 FOB = Outside Face Of CMU Block Wall
 See Arch'd 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 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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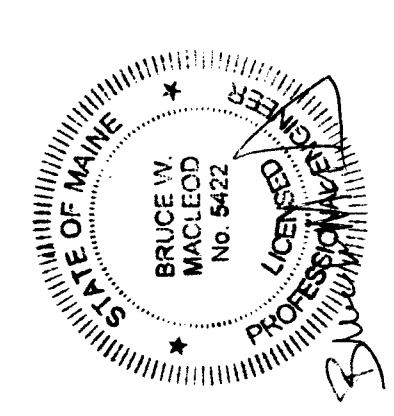
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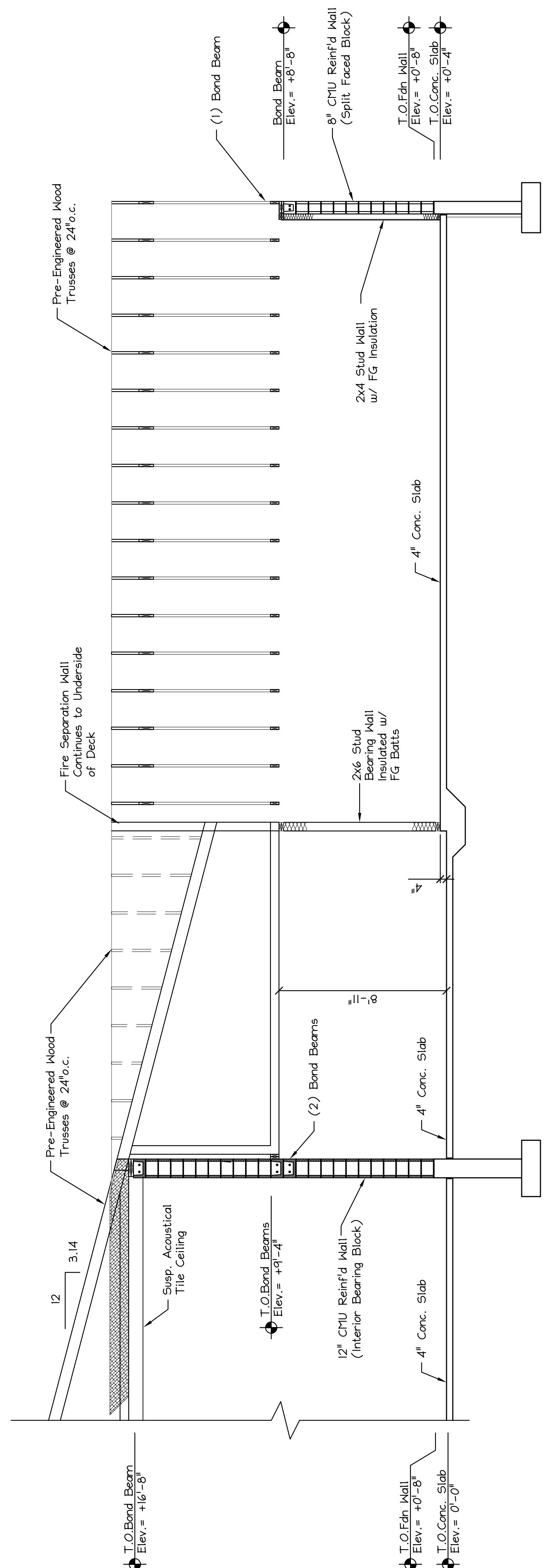
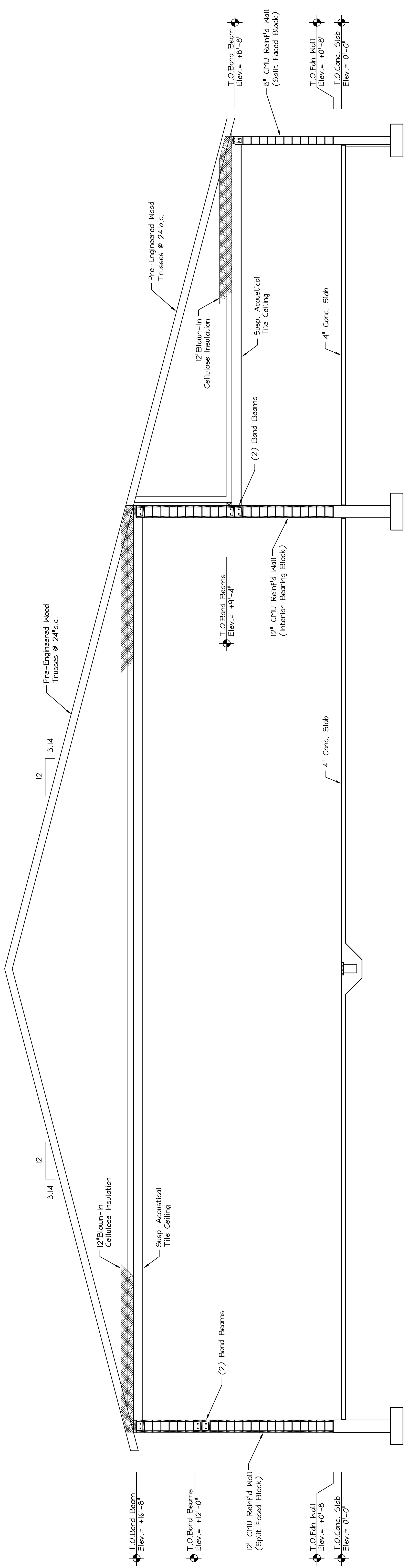
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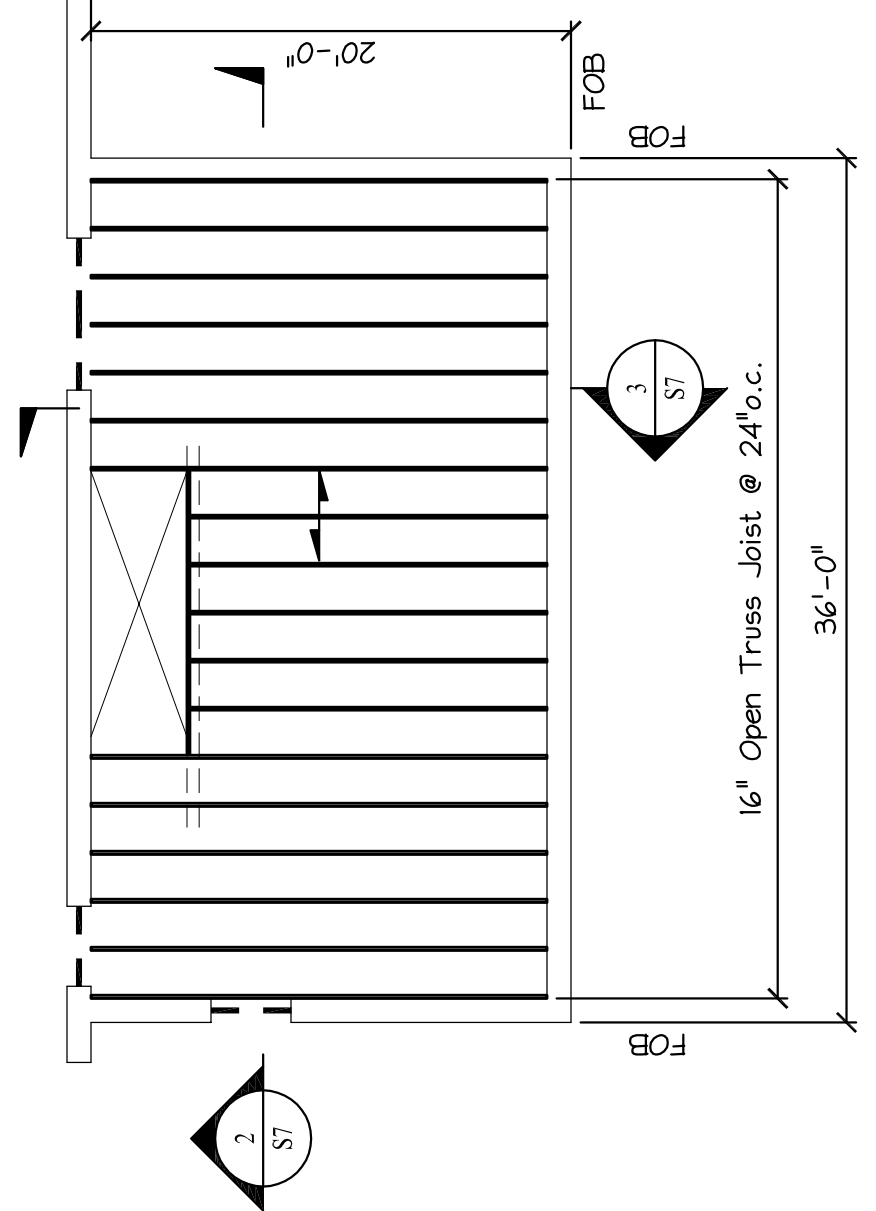
SHEET TITLE:

BUILDING SECTIONS



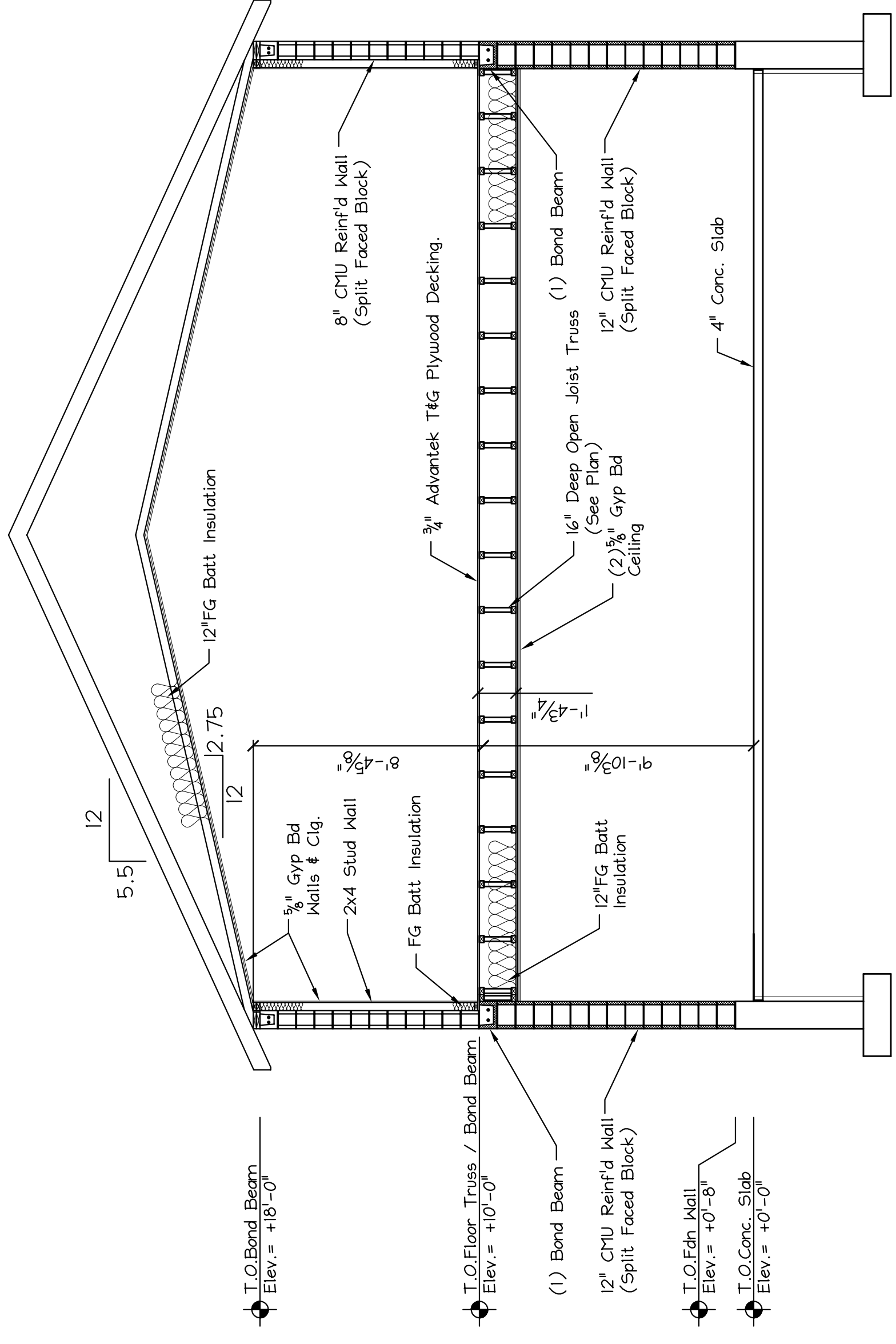
SECOND FLOOR FRAMING NOTES

- 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't Dwg. For Additional Information.
- Verify All Wall Opening Locations/Size And Locate Exhaust Fans Per Owner.
- NOTE: Indicates Span Direction Of 3/4" Plywood
- T & G Floor (Advantek).
- Indicates Structural Precast Linetel
- NOTE: Structural Precast Size/Design By Others



SECOND FLOOR FRAMING PLAN

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

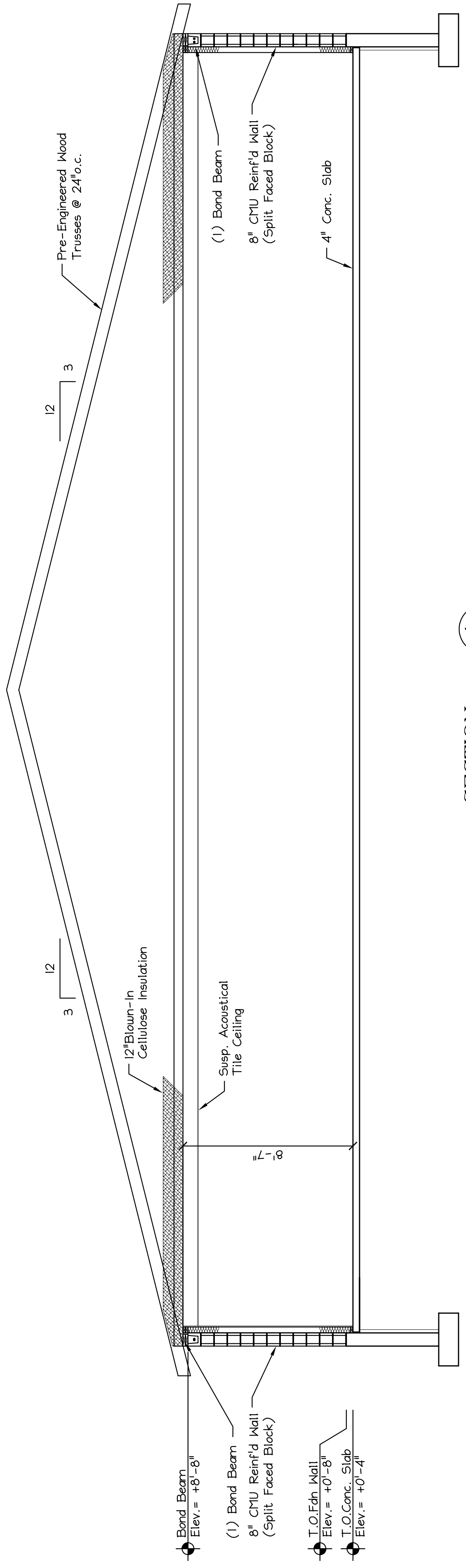


SECTION

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

2

S5

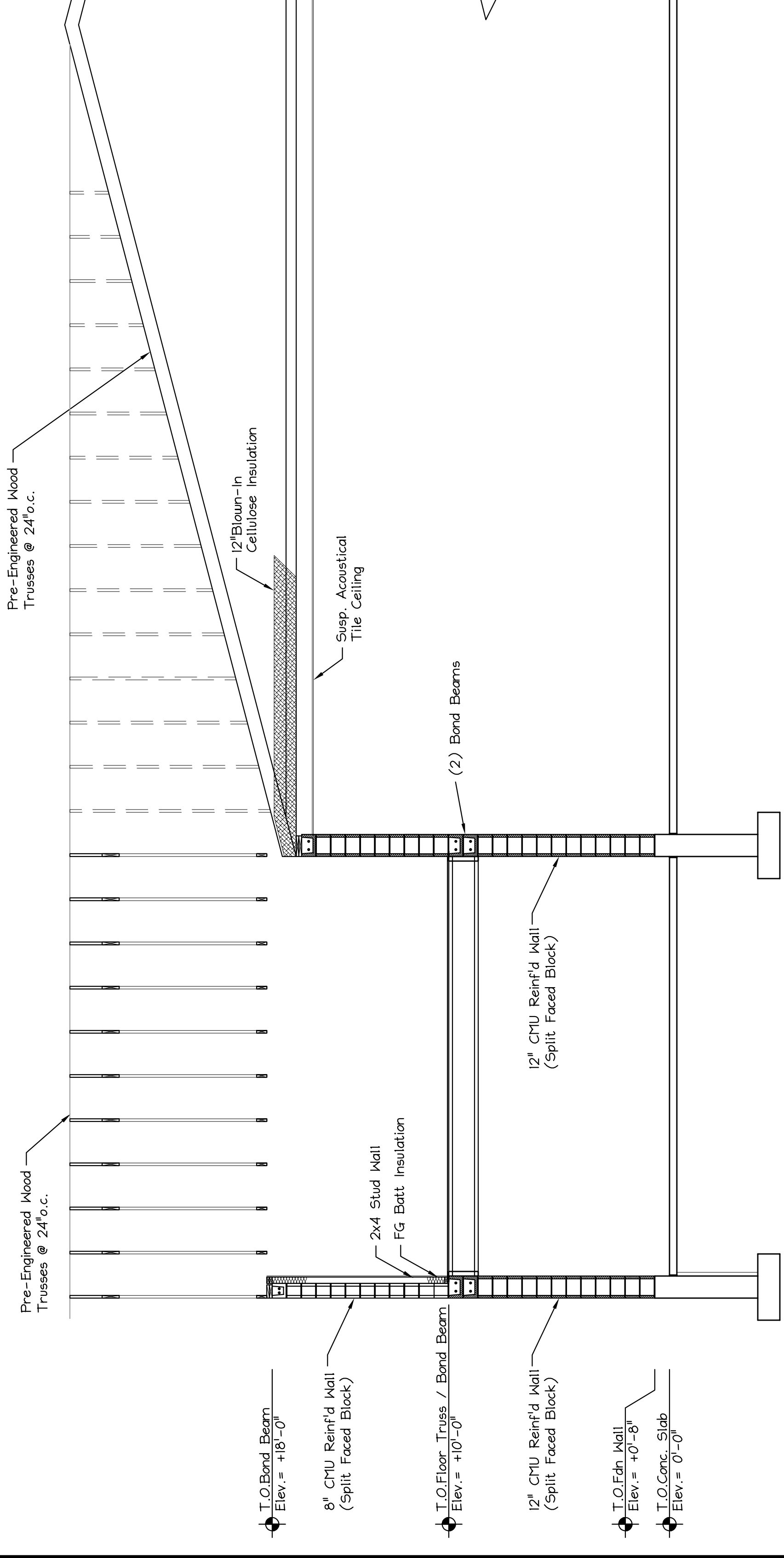


SECTION

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

1

S5



SECTION

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

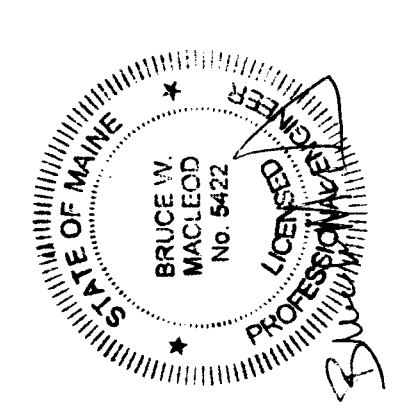
3

S5

MOODY'S COLLISON CENTER

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Macleod Structural Engineers, P.A.
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| CHKD BY: | BMM |
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| PROJ. NO.: | 2007-277 |

SHEET TITLE:

SECOND FLOOR
 FRAMING PLAN
 & SECTIONS

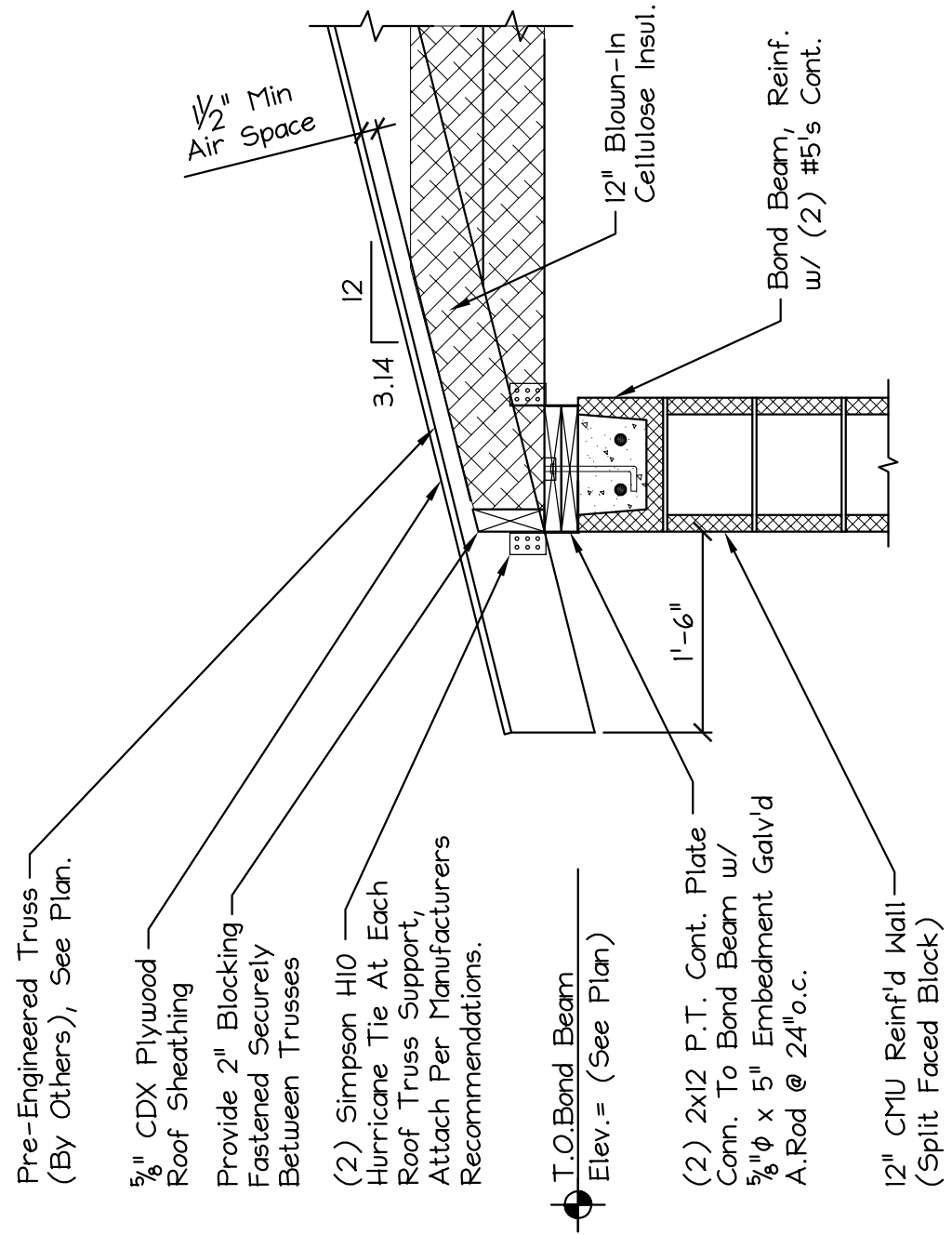
S7 OF 13

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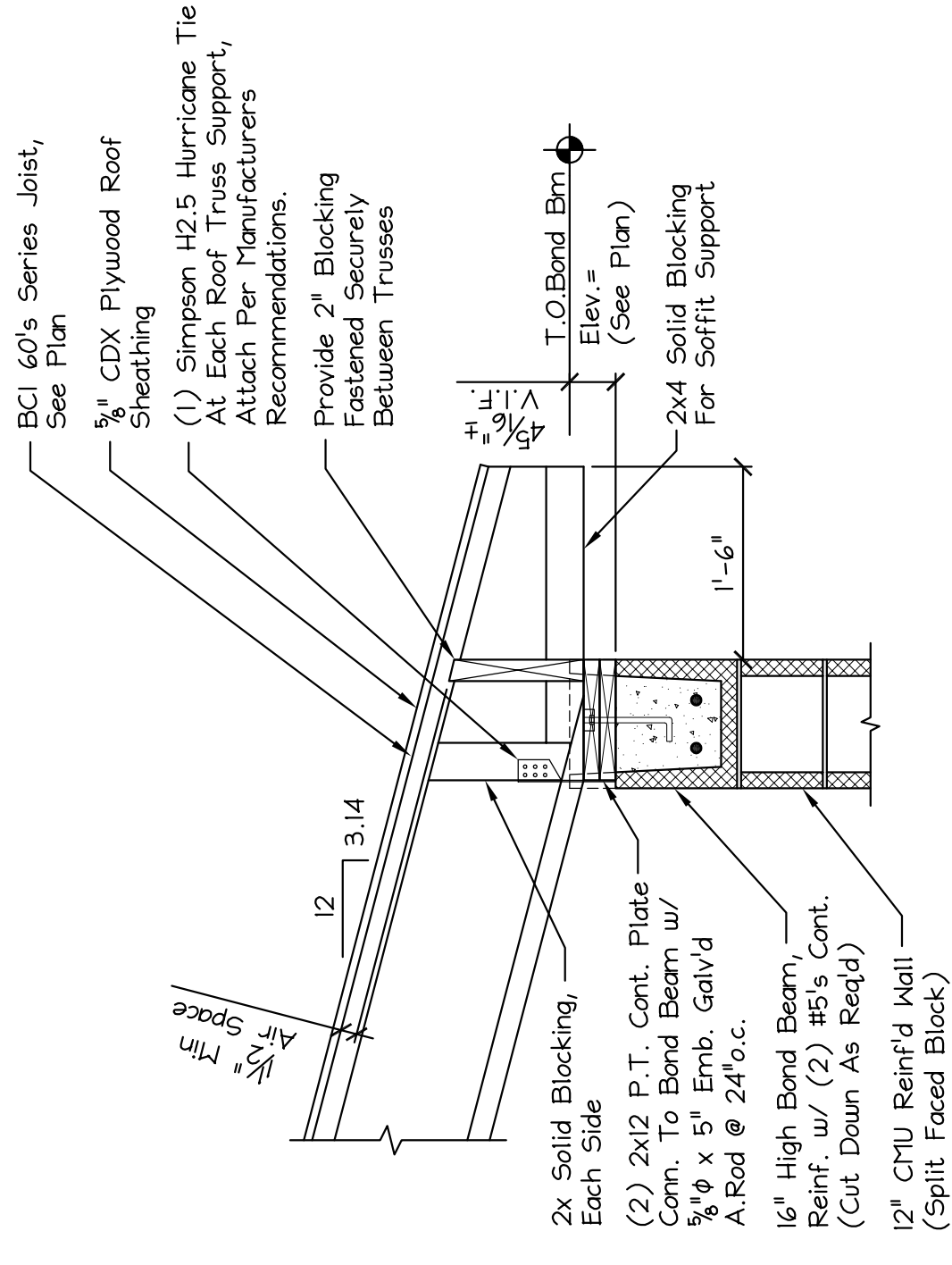
CURRENT REVISION

MAINE

NOTE: Attach All Non-Pressure Treated To Pressure Treated Lumber With "HEAVY GALVANIZED FASTENERS ONLY". Typical. No Exceptions.

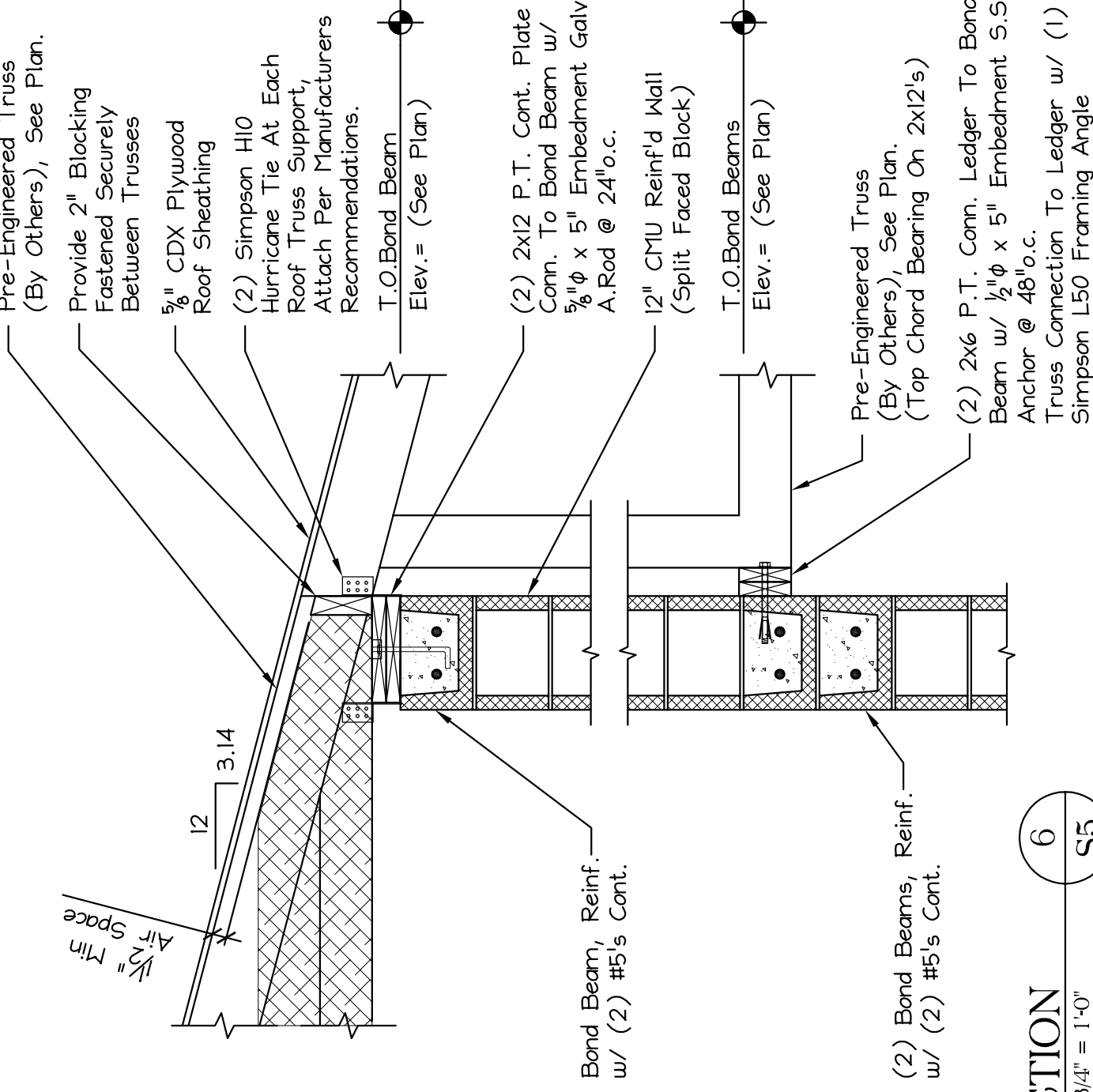


SECTION 5
SCALE: 3/16" = 1'-0"
S5

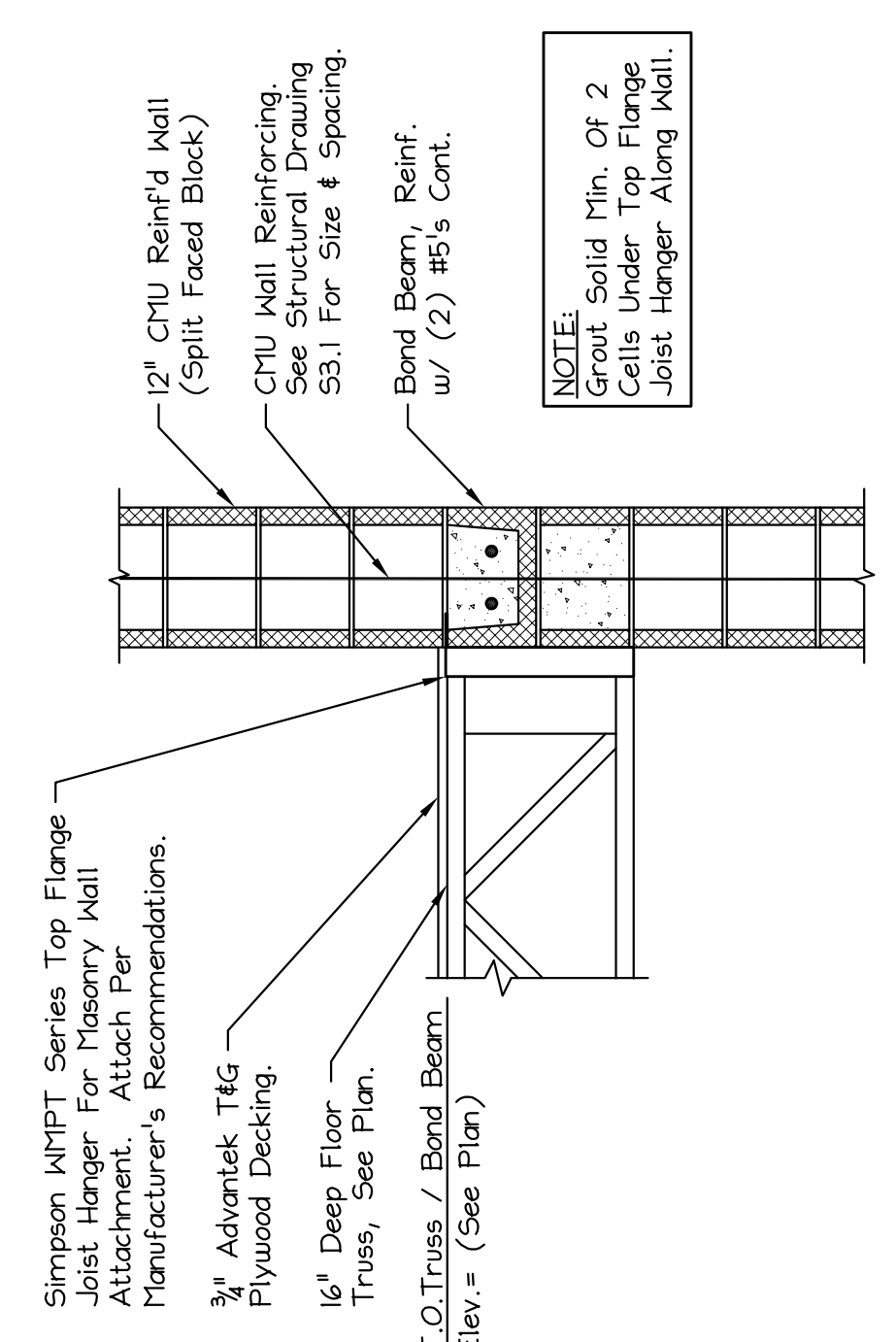


NOTE: Flange Of BCI Joists May Be Birdsmouth Cut Only At The Low End Of Joist. Birdsmouth Cut BCI Joist Must Bear Fully On Plate, Web Stiffener Required Each Side.

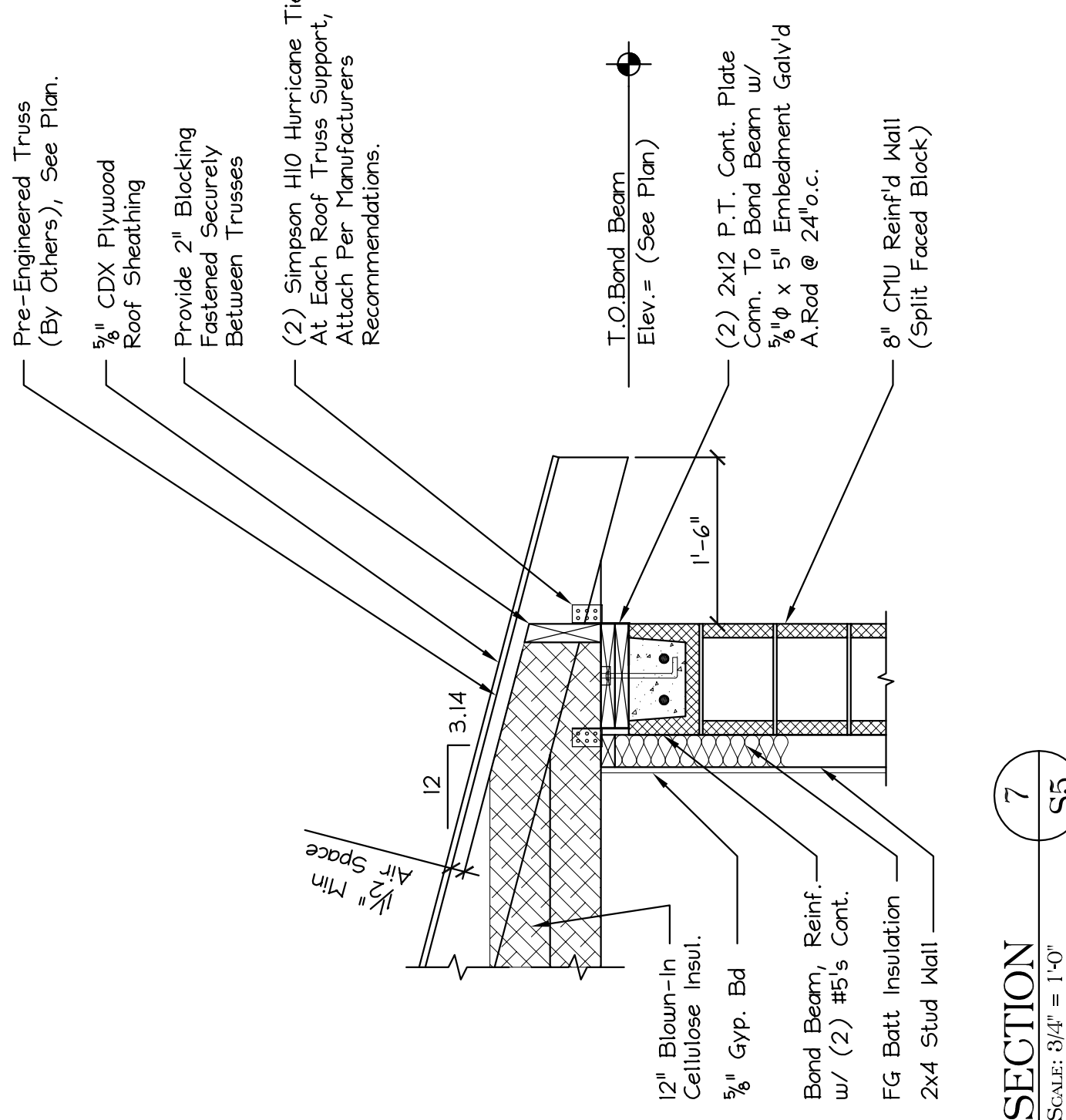
SECTION 9
SCALE: 3/16" = 1'-0"
S5



SECTION 6
SCALE: 3/16" = 1'-0"
S5

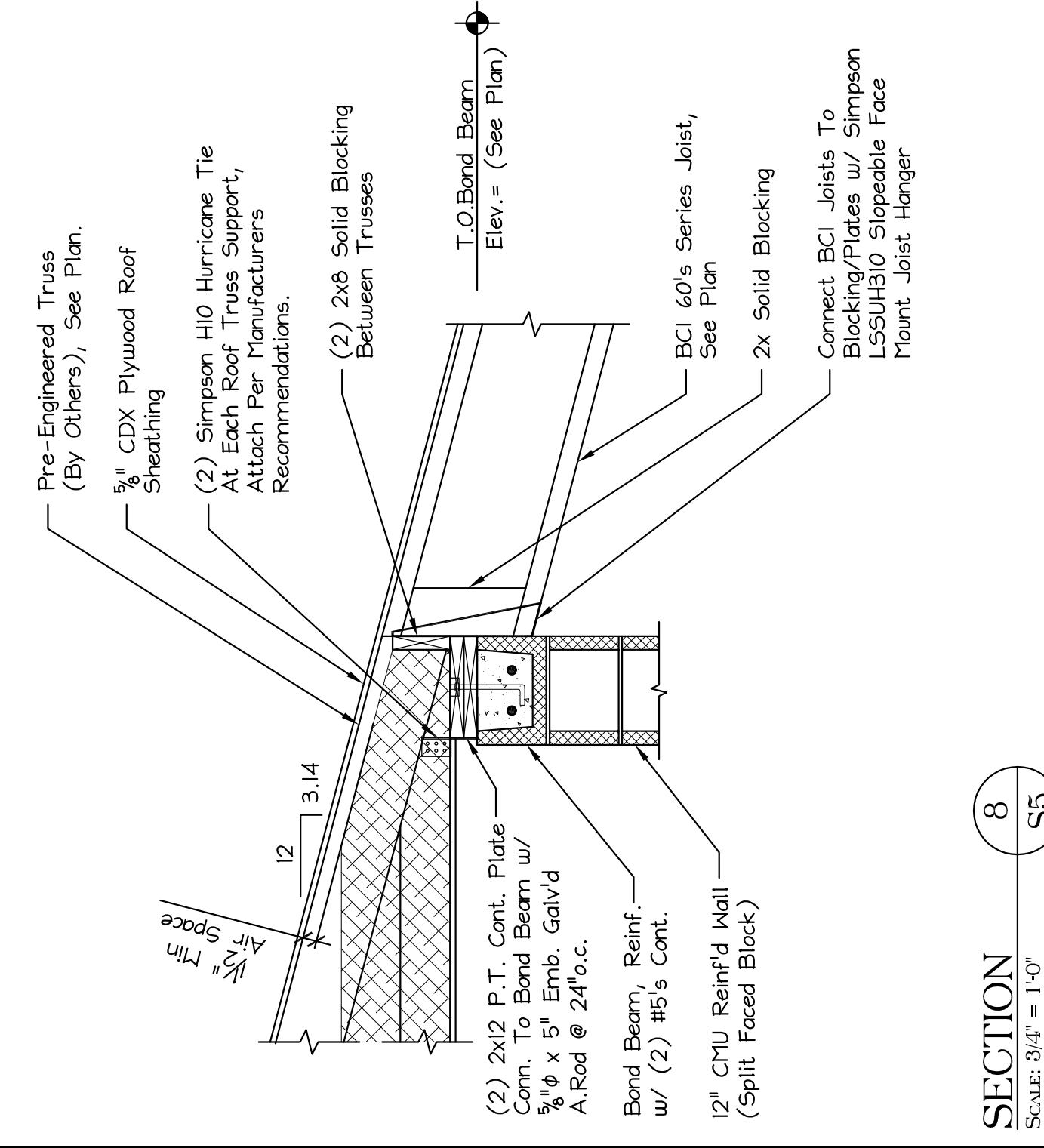


SECTION 10
SCALE: 3/16" = 1'-0"
S5



SECTION 7
SCALE: 3/16" = 1'-0"
S5

SECTION 11
SCALE: 3/16" = 1'-0"
NOT USED



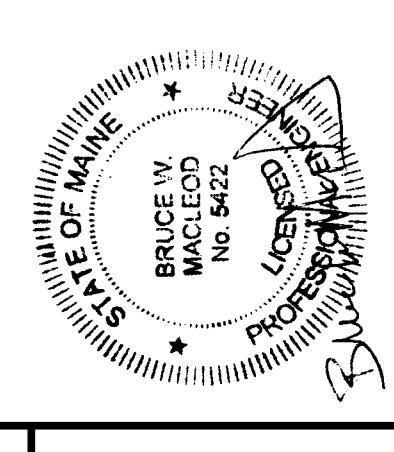
SECTION 8
SCALE: 3/16" = 1'-0"
S5

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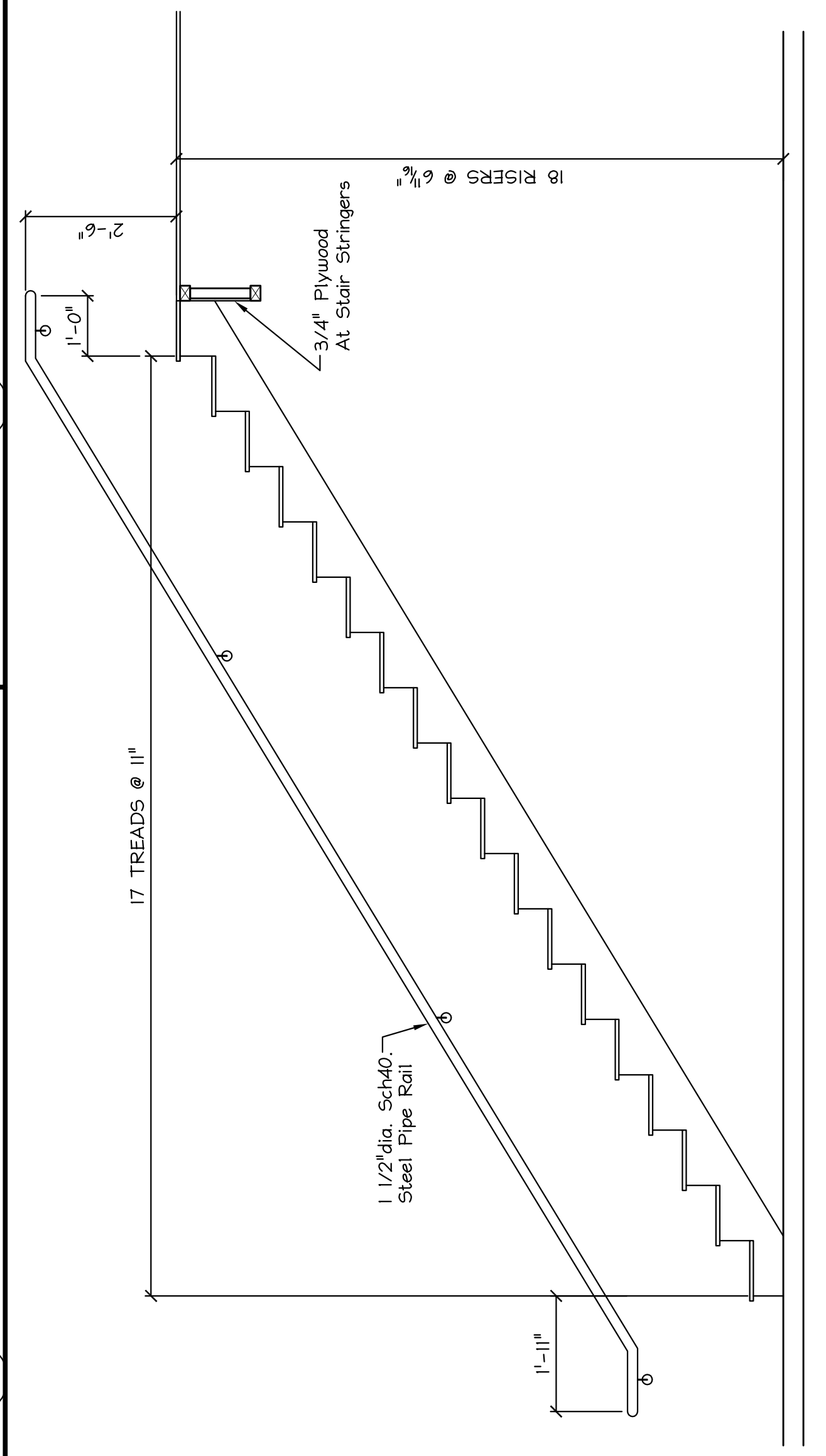
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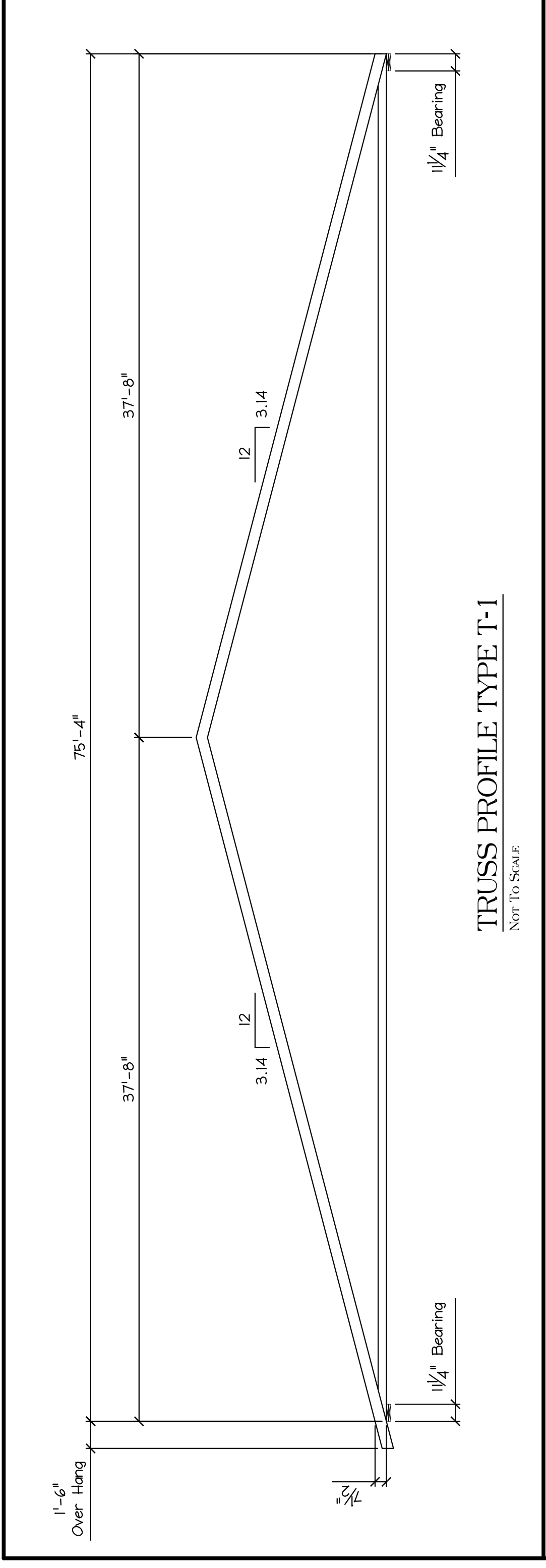
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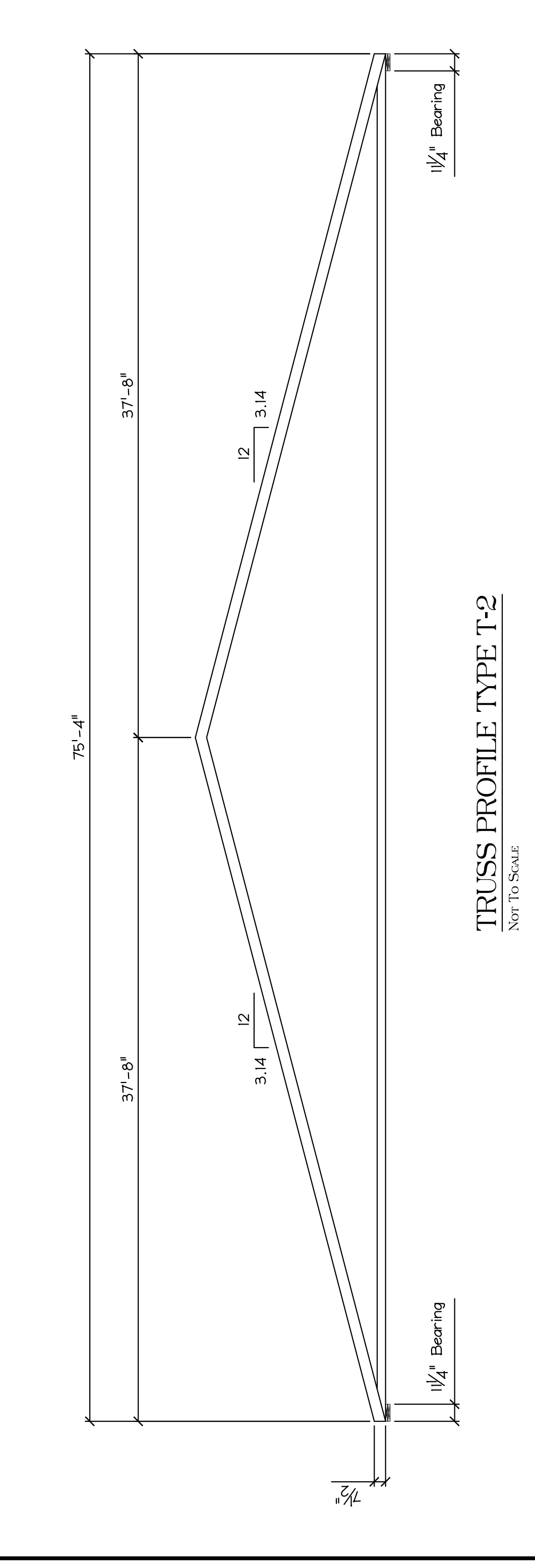
SHEET TITLE:
FRAMING
DETAILS



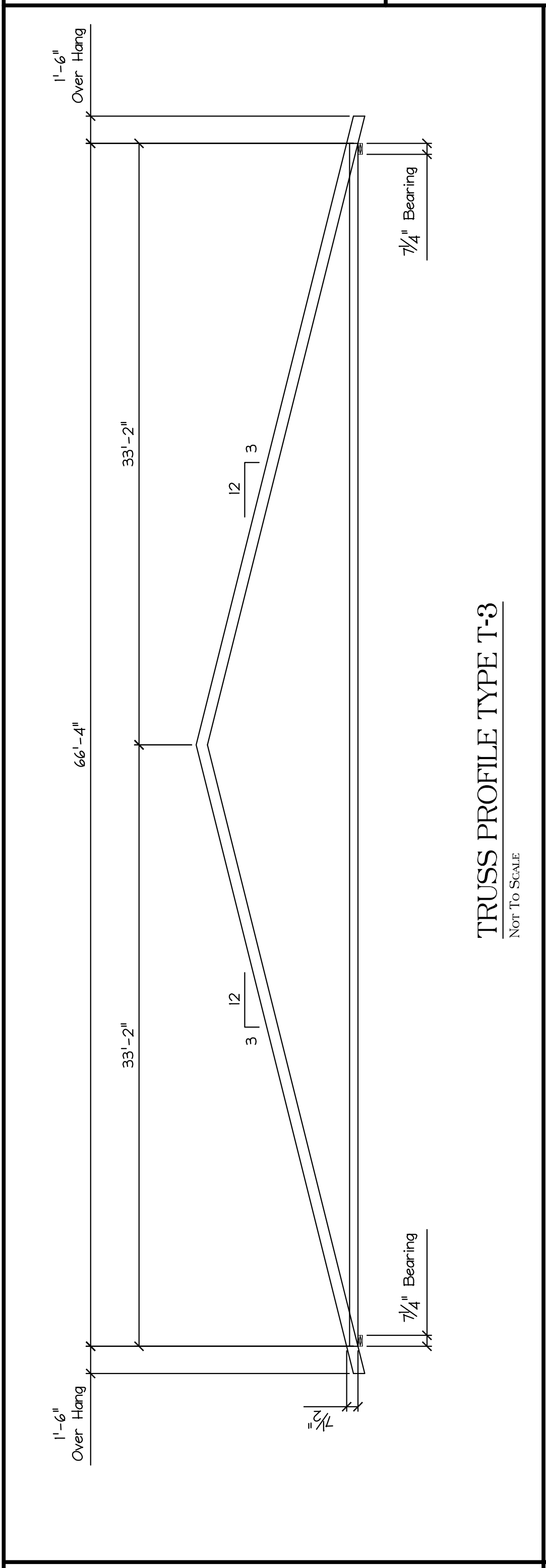
STAIR DETAIL
SCALE: 1/2" = 1'-0"



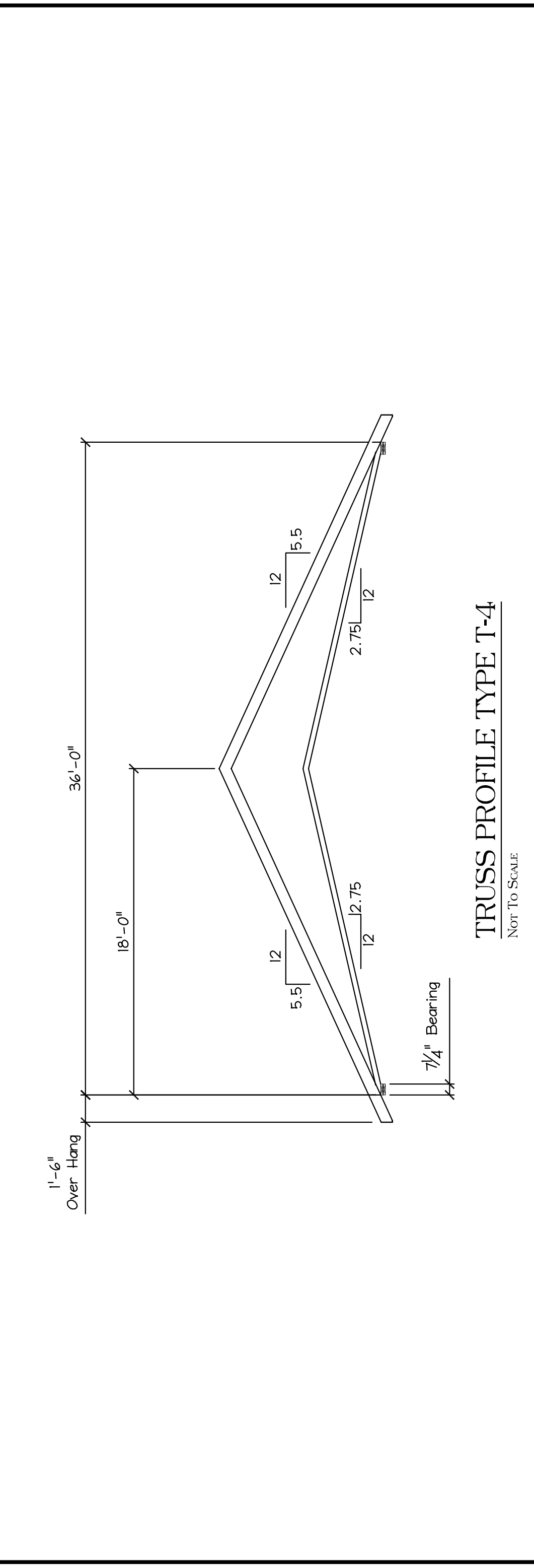
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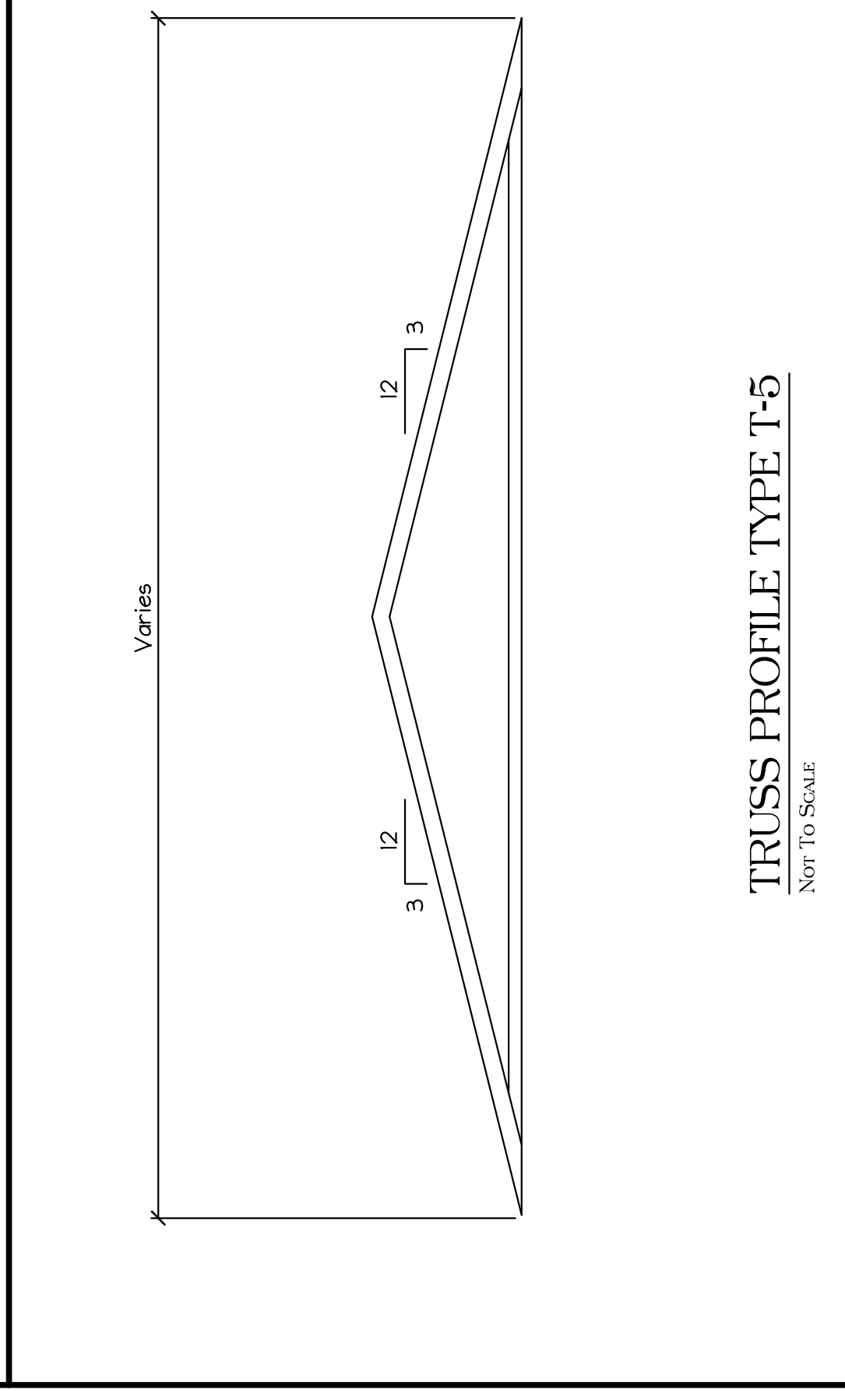
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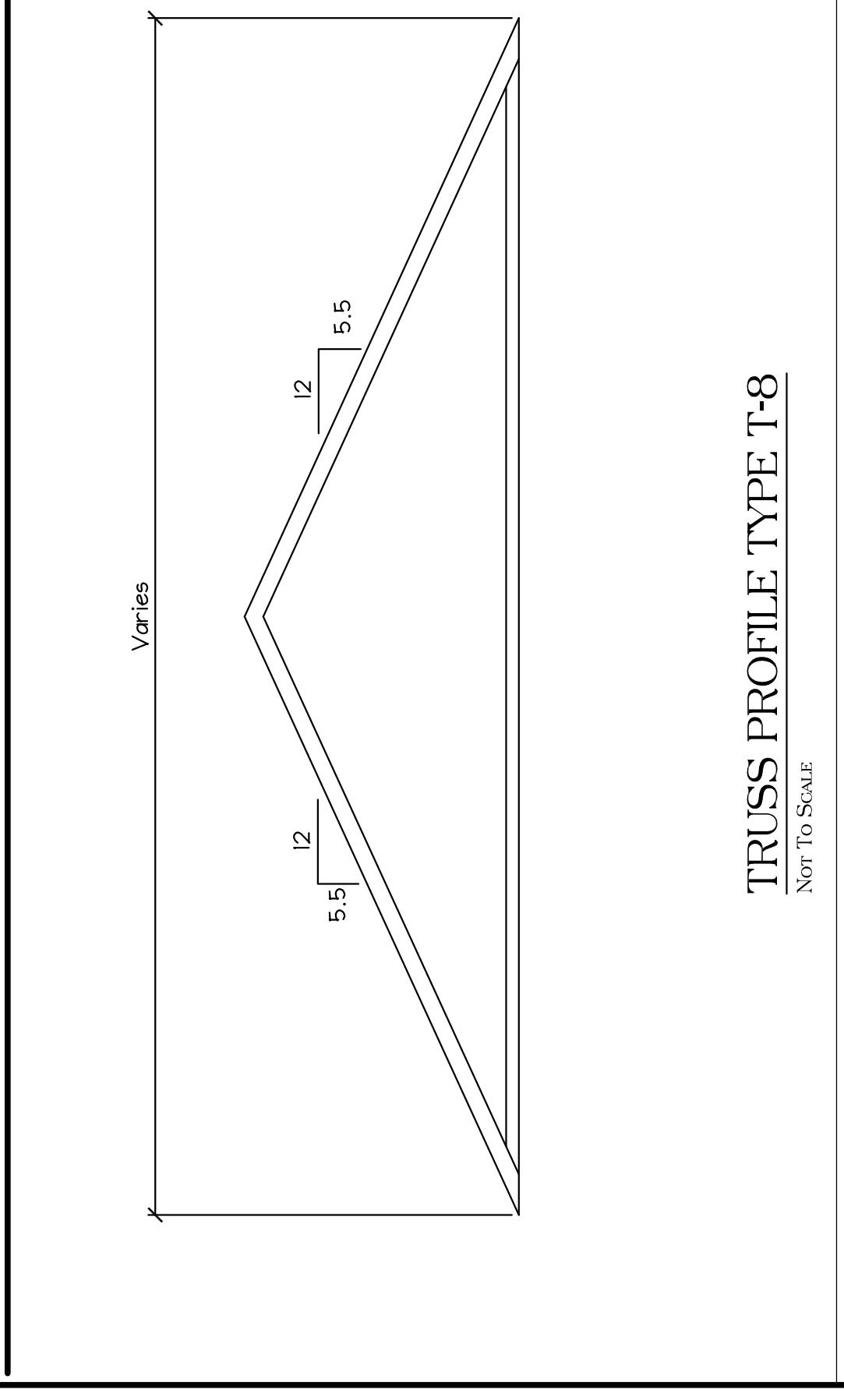
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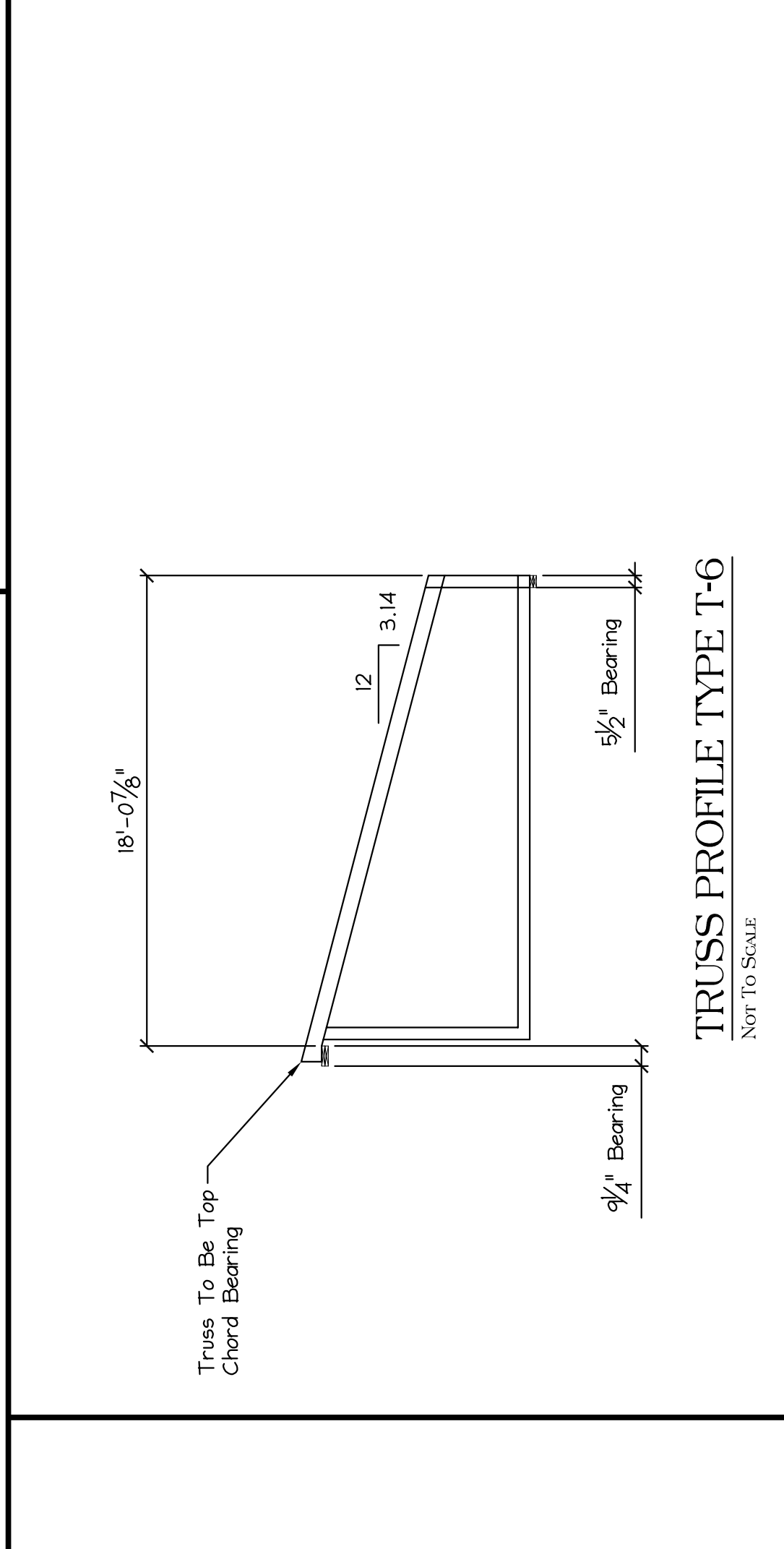
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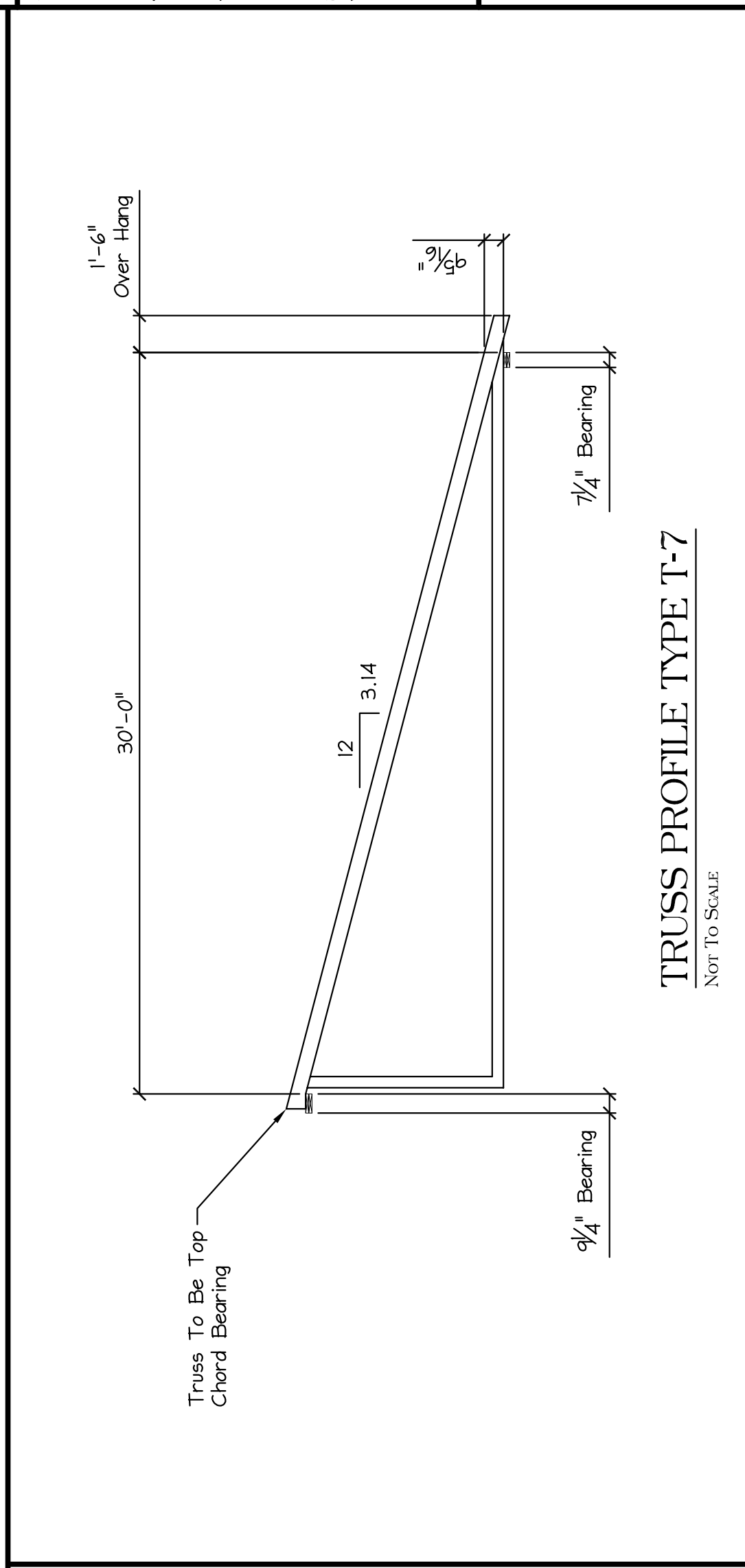
TRUSS PROFILE TYPE T-5
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TRUSS PROFILE TYPE T-8
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TRUSS PROFILE TYPE T-6
NOT TO SCALE



TRUSS PROFILE TYPE T-7
NOT TO SCALE

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MAINE

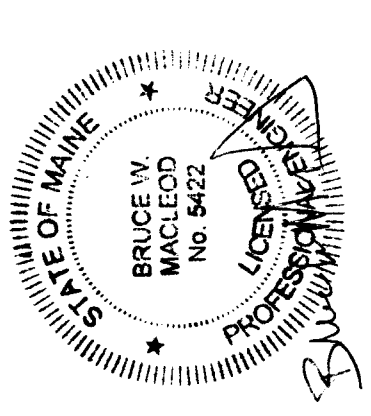
MOODY'S COLLISION CENTER

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