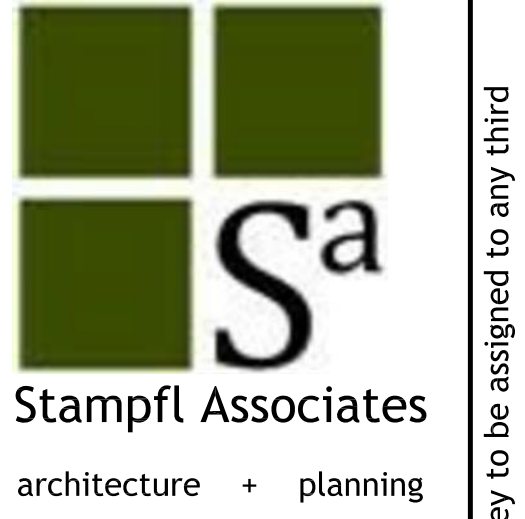
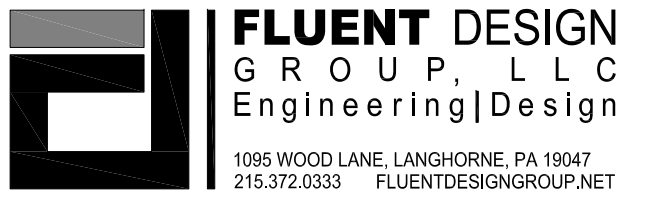


WOODLANDS AT GREYSTONE
SCULTHORPE DR., WEST GOSHEN TOWNSHIP, CHESTER COUNTY, PA



Stampfl Associates
architecture + planning
711 Hyde Park
Doyletown, PA 19002
215.345.4609
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STRUCTURAL NOTES

CONCRETE NOTES:
1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE ACI-308 BUILDING CODE AND ACI-301 SPECIFICATIONS.
2. ALL FOOTING SHALL BEAR ON UNDISTURBED SOIL WITH A FOOTING DEPTH A MINIMUM OF 36" BELOW GRADE.
3. SEE CODE NOTES FOR SOIL BEARING PRESSURE.
4. FILL MATERIAL SHALL BE FREE OF DEBRIS, VEGETATION AND OTHER FOREIGN SUBSTANCES.
5. CONCRETE DESIGN BASED ON ACI 308. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS UNMO.
6. BASEMENT WALLS SHALL BE BRACED, PRIOR TO BACKFILLING, BY ADEQUATE TEMPORARY BRACING OR INSTALL IN FLOOR DECK.
7. BASEMENT WALL DESIGN IS BASED ON 30 OR 45 PCF BACKFILL SOIL TYPE CLASSIFICATIONS.
8. ALL REINFORCEMENT SHALL BE ASTM A615, GRADE 60. ALL WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO ASTM A95.
9. TYPICAL REINFORCEMENT DETAILS: PROVIDE 3" MIN. CLEAR COVER WHERE CAST AGAINST EARTH 1" MIN. CLEAR COVER AGAINST FORMS.
10. ALL REINFORCING BARS SHALL BE SECURELY SUPPORTED AND WIRED IN PLACE PRIOR TO CONCRETE PLACEMENT.
11. PROVIDE (2) #5 BARS AROUND ALL SIDES OF OPENINGS IN CONCRETE BASEMENT FOUNDATION WALL WITH 2" CLEAR. REINFORCEMENT SHALL EXTEND 12" FROM CORNERS OF OPENING IN ALL DIRECTIONS.
12. ADHESIVE ANCHORS SHALL BE ULTI BOND 160 INJECTION ADHESIVE ANCHORS AND SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES.
13. NON-SHRINK GROUT OR DRY PACK. A PREPARED NON-METALLIC FORMULA HAVING THE FOLLOWING PROPERTIES:
14. FOUNDATION ELEVATIONS SHOWN ARE MINIMUM. EXTERIOR FOOTINGS SHALL REST AT LEAST 3'-0" BELOW FINISHED GRADE AND ALL FOOTINGS SHALL REST AT LEAST 1'-6" BELOW EXISTING GRADE.

WOOD FRAMING NOTES:
1. ALL DIMENSIONAL LUMBER SHALL BE SPP, HFM FIR, OR BETTER WITH MOISTURE CONTENT <math><= 19\%</math> UNLESS NOTED OTHERWISE. ALL OTHER DIMENSIONAL LUMBER SHALL BE SPP, HFM FIR, OR BETTER WITH MOISTURE CONTENT <math><= 19\%</math> UNLESS NOTED OTHERWISE.
2. ALL FRAMING MEMBERS SHALL BE SPP, HFM FIR, OR BETTER WITH MOISTURE CONTENT <math><= 19\%</math> UNLESS NOTED OTHERWISE. ALL OTHER DIMENSIONAL LUMBER SHALL BE SPP, HFM FIR, OR BETTER WITH MOISTURE CONTENT <math><= 19\%</math> UNLESS NOTED OTHERWISE.
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10. ALL FRAMING MEMBERS SHALL BE SPP, HFM FIR, OR BETTER WITH MOISTURE CONTENT <math><= 19\%</math> UNLESS NOTED OTHERWISE. ALL OTHER DIMENSIONAL LUMBER SHALL BE SPP, HFM FIR, OR BETTER WITH MOISTURE CONTENT <math><= 19\%</math> UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL NOTES:
1. STRUCTURAL STEEL WIDE FLANGE SECTIONS SHALL CONFORM TO ASTM-A992, UNLESS NOTED OTHERWISE. ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO ASTM-A36, UNLESS NOTED OTHERWISE. SPECIAL CARE SHOULD BE TAKEN TO PROTECT FLATS AND ROLLED SECTIONS FROM CORROSION.
2. ALL PIPE SHALL CONFORM TO ASTM A53, TYPE 'B' GRADE B.
3. ALL HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500 GR. B.
4. WELD FILLET WIRE SHALL BE E70XX, LOW HYDROGEN FOR ALL CONNECTIONS, ALTERNATE WIRE MUST BE APPROVED BY ENGINEER.
5. ALL BOLTS SHALL CONFORM TO ASTM A-305, UNLESS NOTED OTHERWISE. BOLTS MUST HAVE ADEQUATE LENGTH FOR WASHERS, NUT, AND MATERIAL BEING CONNECTED.
6. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED PER THE REQUIREMENTS OF THE AISC SPECIFICATIONS AND CODE OF STANDARD PRACTICE AS APPLIED TO DATE.
7. PRIOR TO FABRICATION AND ERECTION, STEEL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
8. ALL MEMBERS WHEN FINISHED SHALL BE FREE OF BURRS, BEADS, AND OPEN JOINTS BETWEEN COMPONENT PARTS. MEMBERS SHALL BE STRAIGHTENED IN THE SHOP IN A MANNER THAT WILL NOT HURRLE THEM BEFORE BEING WORKED.
9. MEMBER SPLICES ARE PERMITTED ONLY WHERE INDICATED ON THE DRAWINGS.
10. ALL MEMBER CONNECTIONS ARE DETAILED ON THE DRAWINGS. WHERE NO DETAIL IS PROVIDED THE CONTRACTOR MUST DETAIL THE CONNECTION.
11. ALL BOLT HOLES SHALL BE DRILLED OR REAMED. FLARE CUT HOLES ARE UNACCEPTABLE.
12. MANUAL OXYGEN CUTTING SHALL BE DONE ONLY WITH A MECHANICALLY GUIDED TORCH. ALTERNATIVELY AN UNGUIDED TORCH MAY BE USED PROVIDED THE CUT IS NOT WITHIN 1/2" OF THE FINAL DIMENSION AND FINAL REMOVAL IS THROUGH CHIPPING OR GRINDING TO PROVIDE A SURFACE EQUAL TO A CUT EDGE. CLEAN ALL CUT EDGES BY GRINDING TO REMOVE ALL BURRS, GROUDES, CUTS, AND JOGS.
13. FOR STRUCTURAL STEEL CONNECTIONS INDICATED TO COMPLY WITH DESIGN LOADS, INCLUDE STRUCTURAL ANALYSIS DATA PREPARED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.

PRE-FABRICATED TRUSS NOTES:
1. SUBMIT SHOP DRAWINGS, INCLUDING TRUSS LAYOUT, AND CALCULATIONS OR STRESS DIAGRAMS FOR EACH TYPE OF TRUSS TO THE ARCHITECT FOR REVIEW. ALLOW TEN WORKING DAYS FOR THE REVIEW.
2. SHOP DRAWINGS AND CALCULATIONS TO BE REVIEWED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF PENNSYLVANIA.
3. ALL DESIGN IS TO CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, NFPA, AND TRUSS PLATE INSTITUTE (TPI) SPECIFICATIONS.
4. PROVIDE CONTINUOUS BRIDGING AS REQUIRED BY TPI RECOMMENDATIONS.
5. TEMPORARY BRACING AND/OR SHORING OF THE LIGHT GAUGE METAL TRUSSES IS THE CONTRACTOR'S RESPONSIBILITY.

MECHANICAL NOTES:
1. ALL EQUIPMENT AND MAJOR PIPE ISING SHALL BE SUPPORTED FROM AT LEAST TWO ADJACENT ROOF JOISTS. IDEALLY HANG ALL EQUIPMENT, PIPING AND PANELS FROM A TOP CHORD PANEL POINT. PLACE ONE SUPPORT OR CURB AT A CHORD POINT AS SHOWN.
2. REINFORCE JOIST TOP CHORD WHERE HANGER IS CENTERED MORE THAN 6" FROM THE CENTERLINE OF THE JOIST PANEL POINT (246") AND THE HANGER LOAD EXCEEDS 200 POUNDS.
3. REINFORCE JOIST BOTTOM CHORD WHERE HANGER IS CENTERED MORE THAN 6" FROM THE CENTERLINE OF THE JOIST PANEL POINT (246") AND THE HANGER LOAD EXCEEDS 50 POUNDS.
4. UNLESS OTHERWISE NOTED, HANGER LOADS LESS THAN 200 POUNDS ATTACHED TO THE TOP CHORD DO NOT REQUIRE JOIST REINFORCEMENT.
5. UNLESS OTHERWISE NOTED, HANGER LOADS LESS THAN 150 POUNDS ATTACHED TO THE BOTTOM CHORD DO NOT REQUIRE JOIST REINFORCEMENT.
6. 1/2" REINFORCEMENT WHERE REQUIRED SHALL EXTEND FROM HANGER LOCATION ON ONE CHORD TO THE NEAREST PANEL POINT ON THE OPPOSITE CHORD.
7. REINFORCEMENT REQUIRED FOR HANG EQUIPMENT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. ALL OTHER REINFORCEMENT SHALL BE PROVIDED BY THE STRUCTURAL STEEL CONTRACTOR.

GROUTING & SHEAR WALL SHEATHING SPECIFICATIONS:
1. ALL EXTERIOR WALL SHEATHING SHALL BE 1/4" OR 3/8" PLYWOOD. FASTEN SHEATHING W/ 10d NAILS @ 6" O.C. AT EDGES @ 12" O.C. IN THE PANEL FIELD. TYP. UNLESS OTHERWISE NOTED.

STRUCTURAL SYMBOLS

Table of structural symbols including Dimensional Lumber, Wood Blocking, Finish Wood, Steel or Metal, Concrete Block, Face or Common Brick, Rigid Insulation, Batt or Blanket Insulation, Plywood, Earth Fill, Sand or Grout, Concrete, Stone, Bearing Plate Mark, Column Mark, Embed Plate Mark, Key Notes, Linet Mark, Pier Mark, Revision Mark, Shear Wall Mark, Wall Reinforcing Mark, Elevation Change, Grid Bubble, Match Line, Break Line, Direction of Slope, Steel Beam Splice, Steel Beam Continuous Over Support, Moment Connection for Steel Beams, Span of Structural Element, Reinforcing Steel Span, Dimension Lines, Material Limit Lines, Material Not Included in Limit Lines, Footing Step.

STRUCTURAL ABBREVIATIONS

Table of structural abbreviations with columns for Abbreviation, Description, and Notes. Includes ADD'L, ANCH, AB, ALT, ARCH, BSMT, BRG, BNT, BTUN or BET, BLK, BB, BOT or BTH, BKLT, Bldg, Cant, CLG, CTR, CTR'D, CL, CLR, COL, COMP, CONC, CHU, COND, CONN, CONST, CJ, CONT, CONTR, DEBA, DIA, DIAG, DIM, DLG(w), EA, EF, EW, E-U, E, F, ELEC, EL, ELEV, EQ, EXP, EJ or EJ* JT, EXT, FF, FG, FLR, FT, FTG, FCN, GALV, GA, GC, GL or GU-LAM, HP, HB, HB9, HK, HORIZ, IN, INFO, ID, IF, INSUL, INT, JT, JST(w), K, KIP, K/F, K/SF, KSI, L, L.L, LL, LLL, LP, LSH, LSL, LSB, LVL, LVL-L, M, MAT, MAS, MO, MTR, MAX, MECH, MFR, MEZZ, MIN, MSC, MISC, MLC, M, MFH, MFS, N, N*, N-S, N/S, NTH.

GENERAL NOTES

1. THESE NOTES ARE PROVIDED FOR TYPICAL CONDITIONS. SEE PLANS AND DETAILS FOR SPECIFIC REQUIREMENTS IN OTHER AREAS.
2. VERIFY ALL DIMENSIONS, ELEVATIONS, AND DETAIL OF EXISTING STRUCTURE WHERE THEY AFFECT THIS CONSTRUCTION.
3. NOTIFY ENGINEER IF THERE ARE ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS.
4. OBTAIN PROPER APPROVAL FROM STRUCTURAL ENGINEER BEFORE CUTTING OPENINGS OR RECESS OR MAKING OTHER MODIFICATIONS TO EXISTING STRUCTURE NOT SHOWN ON THE STRUCTURAL DRAWINGS.
5. VERIFY ALL DEPRESSIONS, DIMENSIONS, ELEVATIONS, OPENINGS, EQUIPMENT SUPPORTS, AND DETAILS AND COORDINATE BY REFERENCE TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
6. VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. STRUCTURAL DRAWINGS DO NOT NECESSARILY SHOW ALL OPENINGS.
7. PLACE OPENINGS IN FLOOR AND ROOF NOT SHOWN ON STRUCTURAL DRAWINGS BETWEEN STRUCTURAL MEMBERS. NOTIFY STRUCTURAL ENGINEER BEFORE OPENINGS LARGER THAN 12" IN ANY DIMENSION ARE ADDED.
8. OBTAIN PRIOR APPROVAL FROM STRUCTURAL ENGINEER BEFORE MAKING ANY OPENINGS THROUGH STRUCTURAL MEMBERS IF THE OPENINGS ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS.
9. THIS STRUCTURE IS A NON-SELF-SUPPORTING WOOD FRAME THAT REQUIRES INTERACTION WITH SLABS, FLOOR SHEATHING, AND WOOD SHEAR WALLS TO PROVIDE THE REQUIRED LATERAL STABILITY. PROVIDE REQUIRED TEMPORARY BRACING UNTIL PERMANENT BRACING, FLOORS, AND WALL ARE IN PLACE.
10. PROVIDE TEMPORARY BRACING FOR ALL WALLS (CONCRETE, MASONRY, COLD FORMED STEEL, OR WOOD) UNTIL THEY ARE OF ADEQUATE DESIGN STRENGTH AND ARE PROPERLY ANCHORED IN FINAL.
11. THE DESIGN OF STUD WALL BRACING IS FOR THE COMPLETED, SHEATHED CONDITIONS, INCLUDING PROPER FASTENING. THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF TEMPORARY BRACING. IF THE CONTRACT ELECTIONS TO PLACE WALL SHEATHING OR FLOOR TOPPING ON ANY LEVELS ABOVE STUD WALLS THAT DO NOT YET HAVE SHEATHING, ONE OF THE FOLLOWING ARE REQUIRED PRIOR TO SUCH PLACEMENT:
12. PROVIDE BLOCKING MATCHING THE SIZE AND SPECIES OF STUDS AT MID-HEIGHT OF ALL LOAD BEARING STUD WALLS AT THE BOTTOM THREE LEVELS IN FIVE LEVEL WOOD STRUCTURES AND ALL THE BOTTOM TWO LEVELS IN FOUR LEVEL WOOD STRUCTURES, EXCEPT THAT WALLS WITH DOUBLE OR TRIPLED STUDS FASTENED WITH 10d NAILS AT 8" O.C. STAGGERED DO NOT REQUIRE BLOCKING. BLOCKING REQUIRED BY THE SHEAR WALL SCHEDULE IS NOT ELIMINATE BY THE ABOVE NAILING PATTERN.
13. RETAIN A SPECIALTY STRUCTURAL ENGINEER TO EVALUATE THE ADEQUACY OF TEMPORARY UNBRACED STUD WALL CALCULATIONS, DESIGN RELATED BRACING FOR THE CONDITIONS, AND SUBMIT SIGNED/VERIFIED CALCULATIONS AND DRAWINGS FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD AND ARCHITECT.

CODE NOTES

Table of code references and design criteria. Includes CODE REFERENCE AND DESIGN CRITERIA: 1. 2018 INTERNATIONAL BUILDING CODE, 2. AMERICAN CONCRETE INSTITUTE (ACI) 308-14 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 14TH EDITION, 3. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) - STEEL CONSTRUCTION MANUAL - FOURTEENTH EDITION, 4. ASCE STANDARDS AND SPECIFICATIONS 7-10. DESIGN CRITERIA: PUBLIC AREA LIVE LOAD, PUBLIC AREA DEAD LOAD, STORAGE LIVE LOAD, MECHANICAL ATTIC SPACE LIVE LOAD, ELEVATED PATIO LIVE LOAD, ELEVATED PATIO DEAD LOAD, ROOF LIVE LOAD, STEEL BEAM DESIGN METHOD, STEEL COLUMN DESIGN METHOD, FOUNDATION DESIGN METHOD, ALLOWABLE SOIL BEARING PRESSURE, WIND LOADS PER IBC-2018 (ASCE 7-10), 15 MPH EXPOSURE (3 SEC GUST) IMPORTANCE FACTOR, INTERNAL PRESSURE COEFFICIENT, SNOW LOADS PER IBC-2018 (ASCE 7-10), GROUND SNOW LOAD PSF, FLAT ROOF SNOW LOAD PSF, IMPORTANCE FACTOR, LIMIT DEFLECTIONS TO THE FOLLOWING: ROOF, FLOORS, STEEL BEAMS (FLOOR), STEEL BEAMS (ELEVATED PATIO), SEISMIC LOADS PER IBC-2018 (ASCE 7-10), SEISMIC IMPORTANCE FACTOR, OCCUPANCY CATEGORY, SITE CLASS, SEISMIC DESIGN CATEGORY, SEISMIC FORCE RESISTING SYSTEM, RESPONSE COEFFICIENT, RESPONSE MODIFICATION FACTOR, ANALYSIS PROCEDURE.

SHEET LIST

Table of sheet list with columns for Sheet Number and Description: S0.1 COVER SHEET, S0.1 SPECIAL INSPECTIONS, S1.0 FOUNDATION PLAN, S1.1 FIRST FLOOR FRAMING PLAN, S1.2 CEILING FRAMING PLAN, S1.3 ROOF FRAMING PLAN, S5.0 STRUCTURAL FOUNDATION DETAILS, S5.1 STRUCTURAL FRAMING DETAILS, S5.2 TRUSS FRAMING DETAILS & PROFILES.

Table for REVISIONS and Date. Includes Description, Date, No., and checkboxes for checked and done.



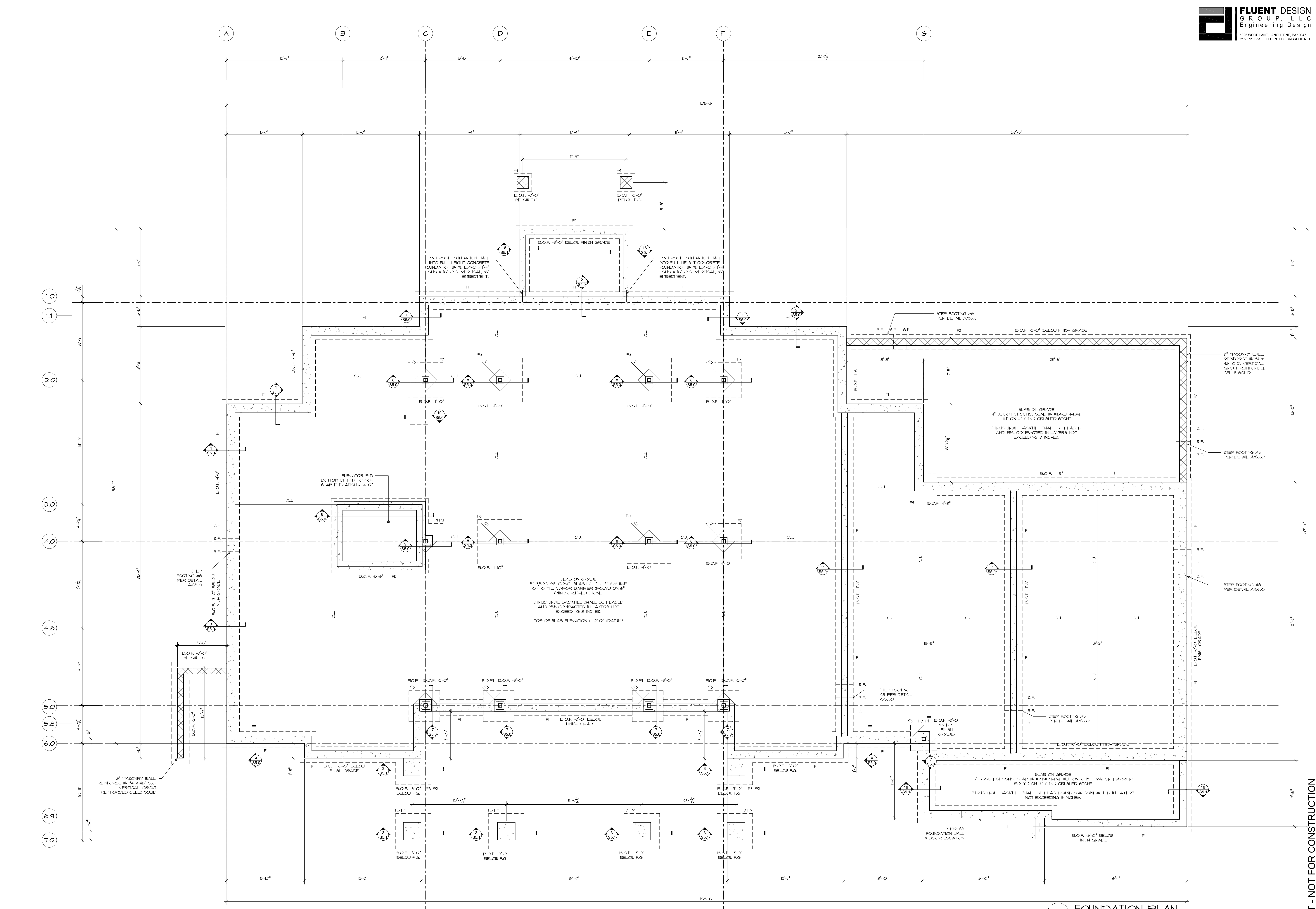
WOODLANDS AT GREYSTONE
SCULTHORPE DR., WEST GOSHEN TOWNSHIP
CHESTER COUNTY, PA

Project number: SFA-1905
date: 2020-09-04
scale: AS NOTED
sheet no.
Drawn by: RCH
chk'd by: RCH
approved by: RCH

50.0

ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

A
B
C
D
E
F
G



STEEL COLUMN SCHEDULE		
MARK	SIZE	BASE PLATE (WHERE REQUIRED)
C2	HSS54x43x8	3'x3'x2'-11"
C3	HSS54x43x8	3'x3'x2'-11"

FOOTING SCHEDULE			
MARK	FOOTING SIZE	REINFORCEMENT	COMMENTS
F1	16'x8'	(3) #5 X CONT. (3) #4 X CONT. (4) #4 X 24" TRANS	TYPICAL EXT. WALL
F2	2'-0" x 12' x CONT.	(3) #4 X CONT.	(3) #4 X CONT.
F3	2'-0" x 4'-0" x 12'	(3) #5 BOT. E.W.	ELEVATED PATIO PIERS
F4	2'-0" x 2'-0" x 12'	(3) #4 BOT. E.W.	(3) #4 BOT. E.W.
F5	11'-0" x 8'-6" x 8"	(4) #5 BOT. E.W.	ELEVATOR
F6	5'-0" x 6'-0" x 14"	(7) #5 BOT. E.W.	INTERIOR COLUMN
F7	4'-0" x 4'-0" x 14"	(4) #5 BOT. E.W.	INTERIOR COLUMN
F8	3'-0" x 4'-0" x 12"	(4) #5 BOT. E.W.	STEEL COLUMN
F9	4'-0" x 4'-0" x 18"	(6) #5 BOT. E.W.	-
F10	3'-6" x 3'-6" x 12"	(5) #5 BOT. E.W.	-

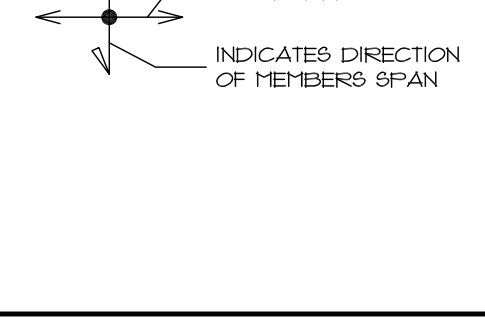
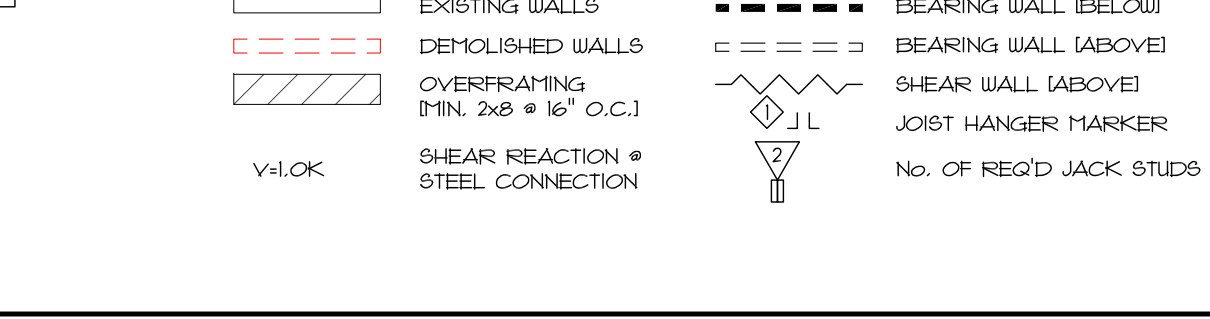
PIER SCHEDULE			
MARK	SIZE	CONC.	REINFORCING
P1	16'x8'	X	(8) #5 VERTICAL (8) #5 VERTICAL
P2	24'x24'	X	(8) #5 VERTICAL (8) #5 VERTICAL

- UNLESS NOTED OTHERWISE:
- PROVIDE 4-3/4x1-6" ANCHOR RODS BY DOUBLE NUT, EXTEND 1'-0" INTO PIER.
 - PROVIDE 1" NON-SHRINK GROUT BELOW BASE PLATE.
 - STEEL COLUMN SHALL EXTEND FROM PERK FOOTING TO FLOOR BEARING ELEVATION. USE 1/4" COLUMN CAP PLATE AT TOP U.N.O.

SOILS REPORT BEARING PRESSURE 3000 PSF

TOP OF PIER ELEVATION + 0'-8" (U.N.O.) RELATIVE TO DATUM

BOTTOM OF FOOTING (B.O.F.) ELEVATION - 3'-0" (U.N.O.) RELATIVE TO EXTERIOR GRADE



FOUNDATION PLAN
SCALE 1/4" = 1'-0"

- FOUNDATION NOTES:
- SEE SHEET 80.0 FOR STRUCTURAL NOTES, ABBREVIATIONS AND SYMBOLS.
 - SEE SHEET 80.0 FOR TYPICAL FOOTING AND FOUNDATION DETAILS.
 - TOP OF SLAB ELEVATION + 0'-0"
 - BOTTOM OF EXTERIOR FOOTING ELEVATION (B.O.F.) AT WALL + 3'-0"
 - LAP REINFORCING AS FOLLOWS:
#4-#4
#5-24"
 - PROVIDE #5 DOUBLES FROM FOOTING INTO MASONRY WALLS. EXTEND DOUBLES TO 3" CLEAR BOTTOM OF FOOTING. HOOK DOUBLES AT BOTTOM OF FOOTING.
 - FOOTINGS FOR WALLS NOT NOTED SHALL BE 4" THICK WITH A MINIMUM PROJECTION OF 4" EACH SIDE. REINFORCING W/ #4 CONTINUOUS, AND #5 CONTINUOUS FOR EACH 6" BIRTH OVER 24". SEE S1.0 FOR DOUBLES INTO PIERS.
 - REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.
 - REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF PARTS AND PARTITION WALLS.
 - REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.

REVISIONS

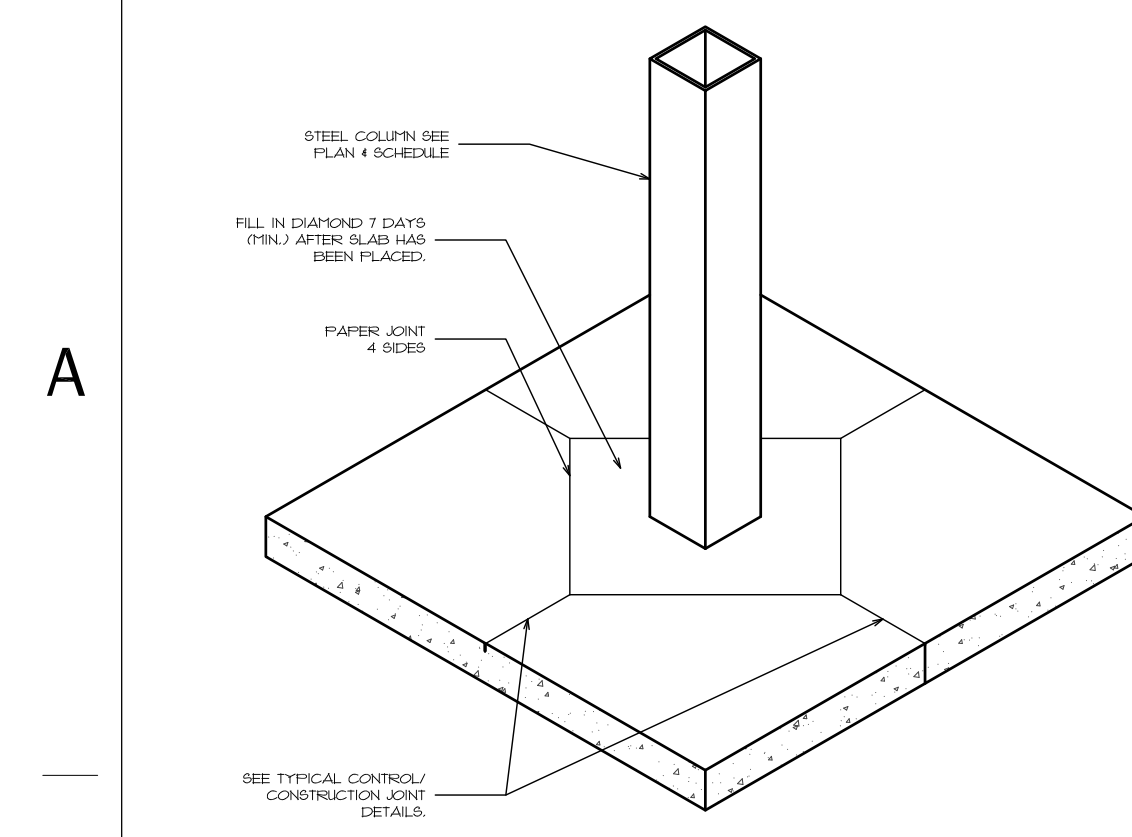
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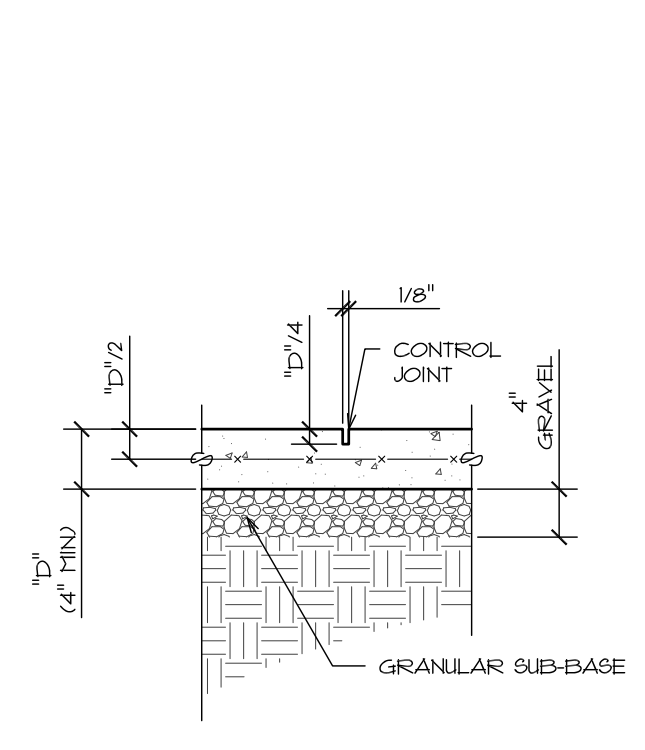
WOODLANDS AT GREYSTONE
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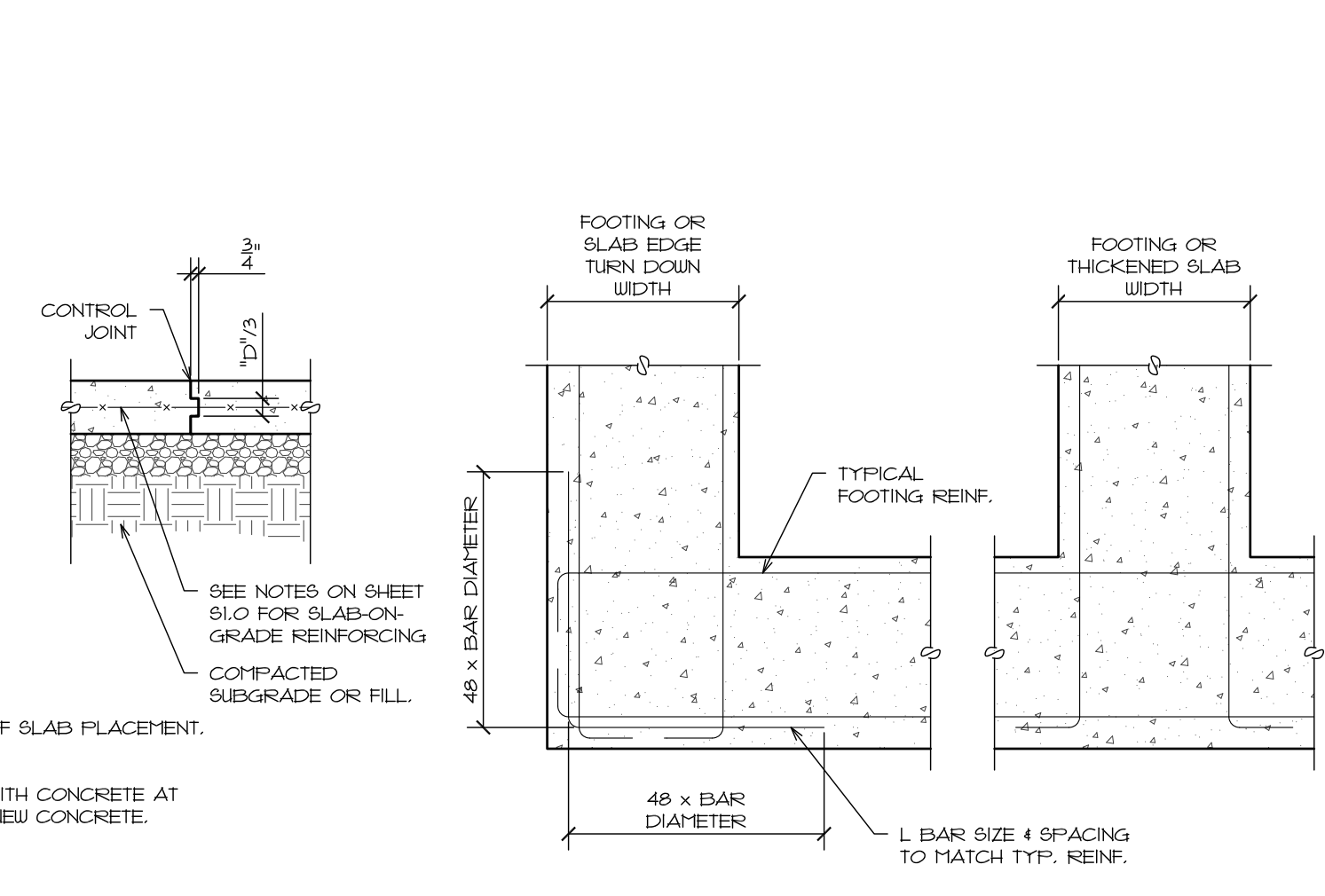
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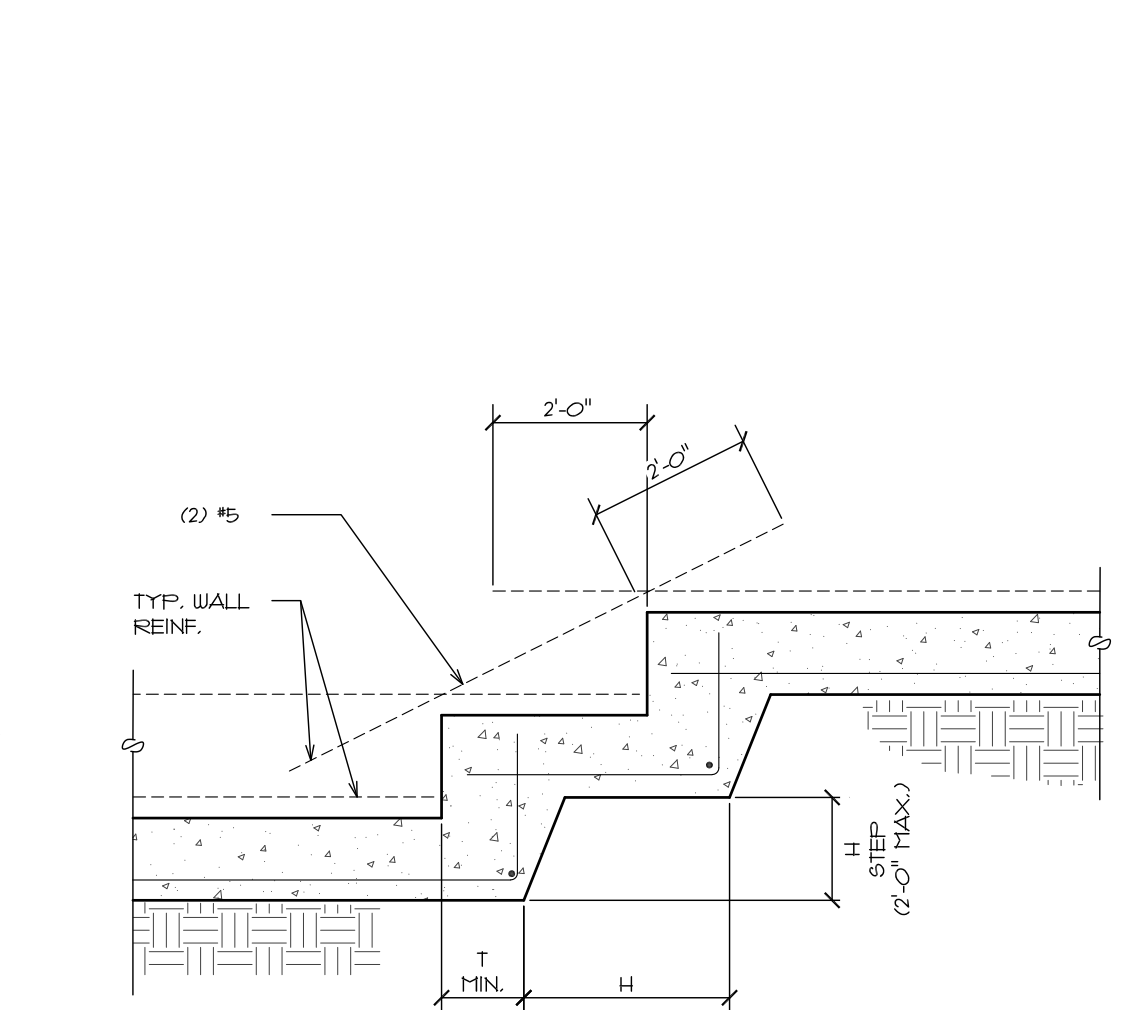
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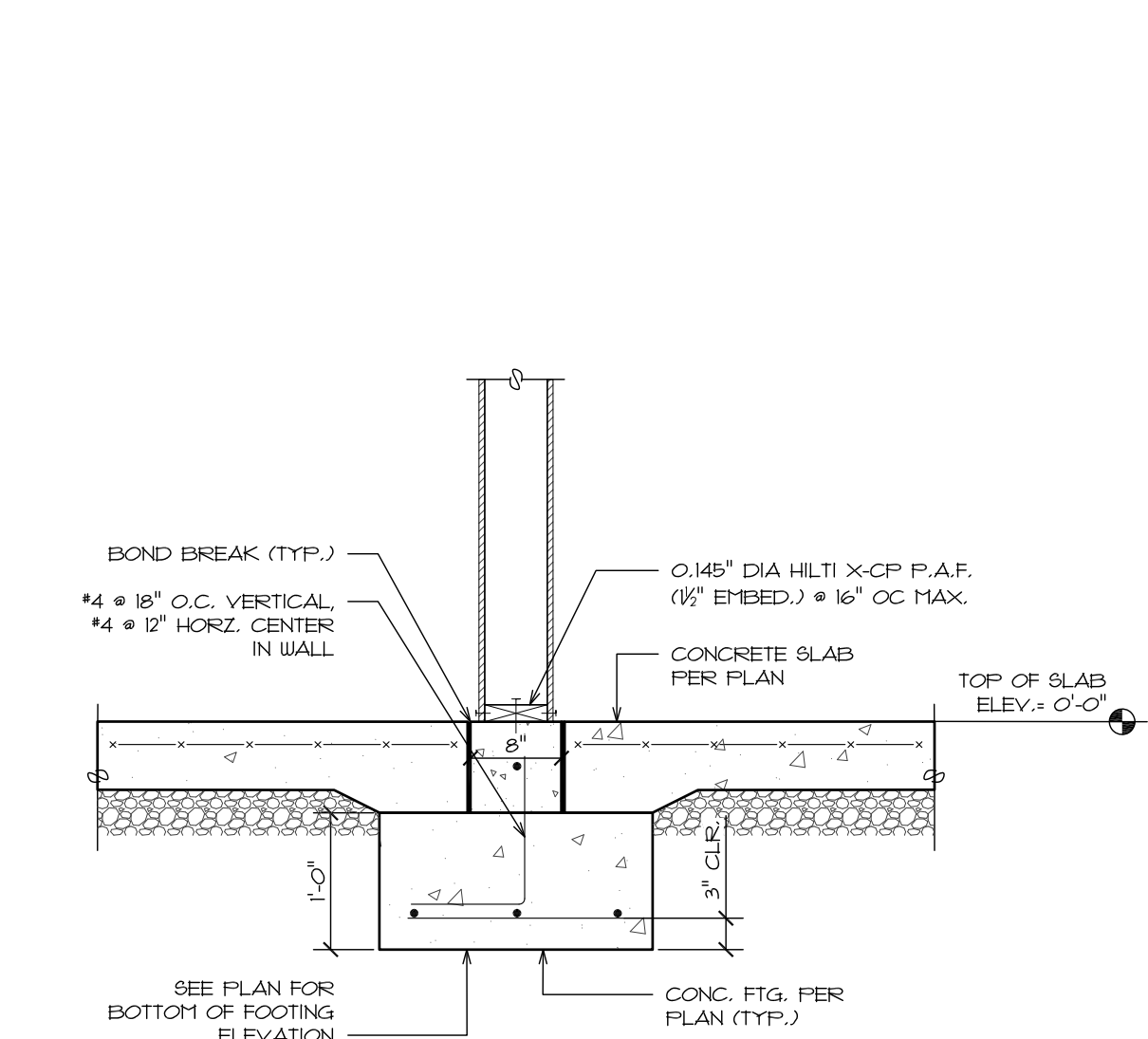
C CONSTRUCTION JOINT & CONTROL JOINT DETAIL
SCALE 3/4" = 1'-0"



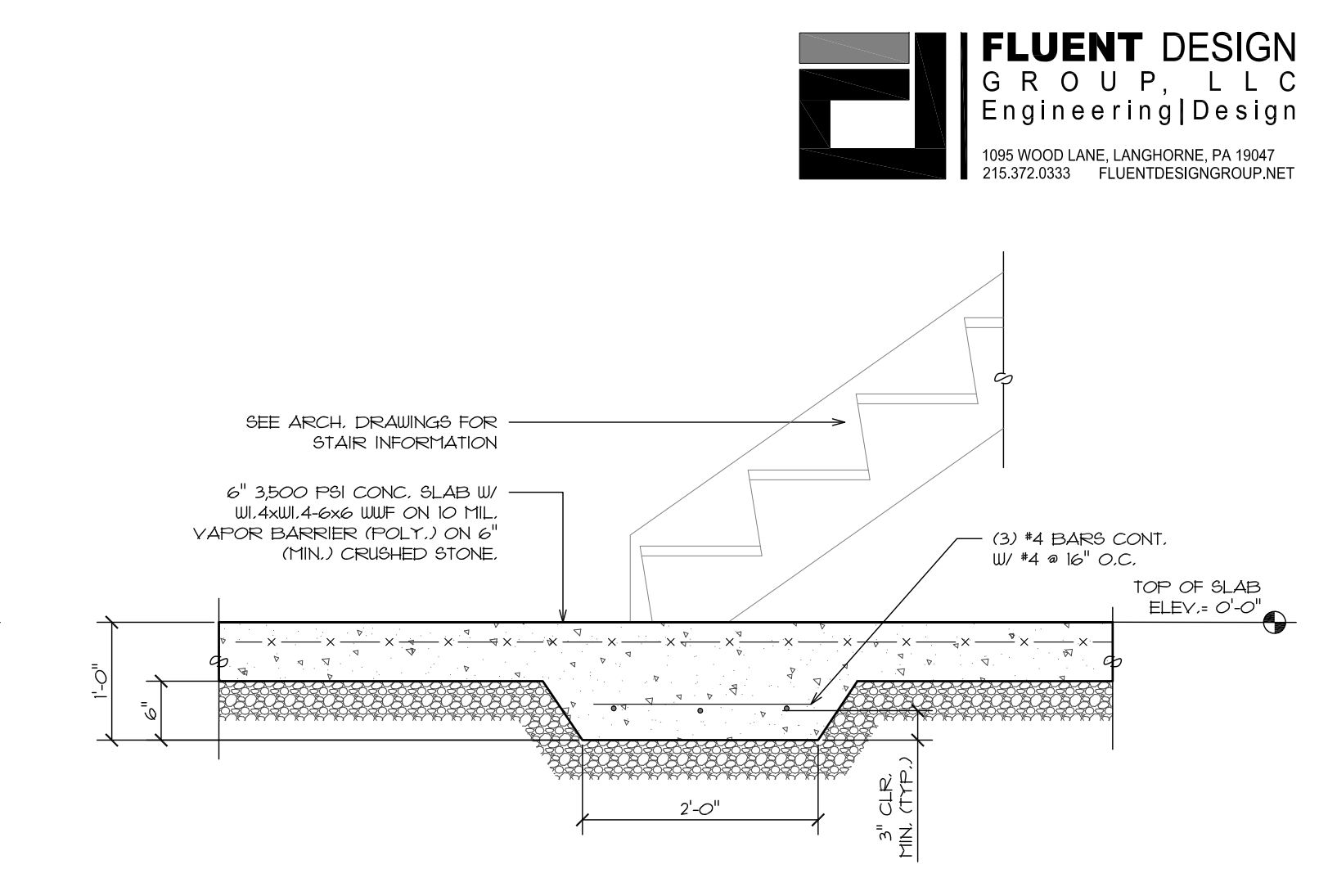
B FOOTING INTERSECTION PLAN DETAIL
SCALE 3/4" = 1'-0"



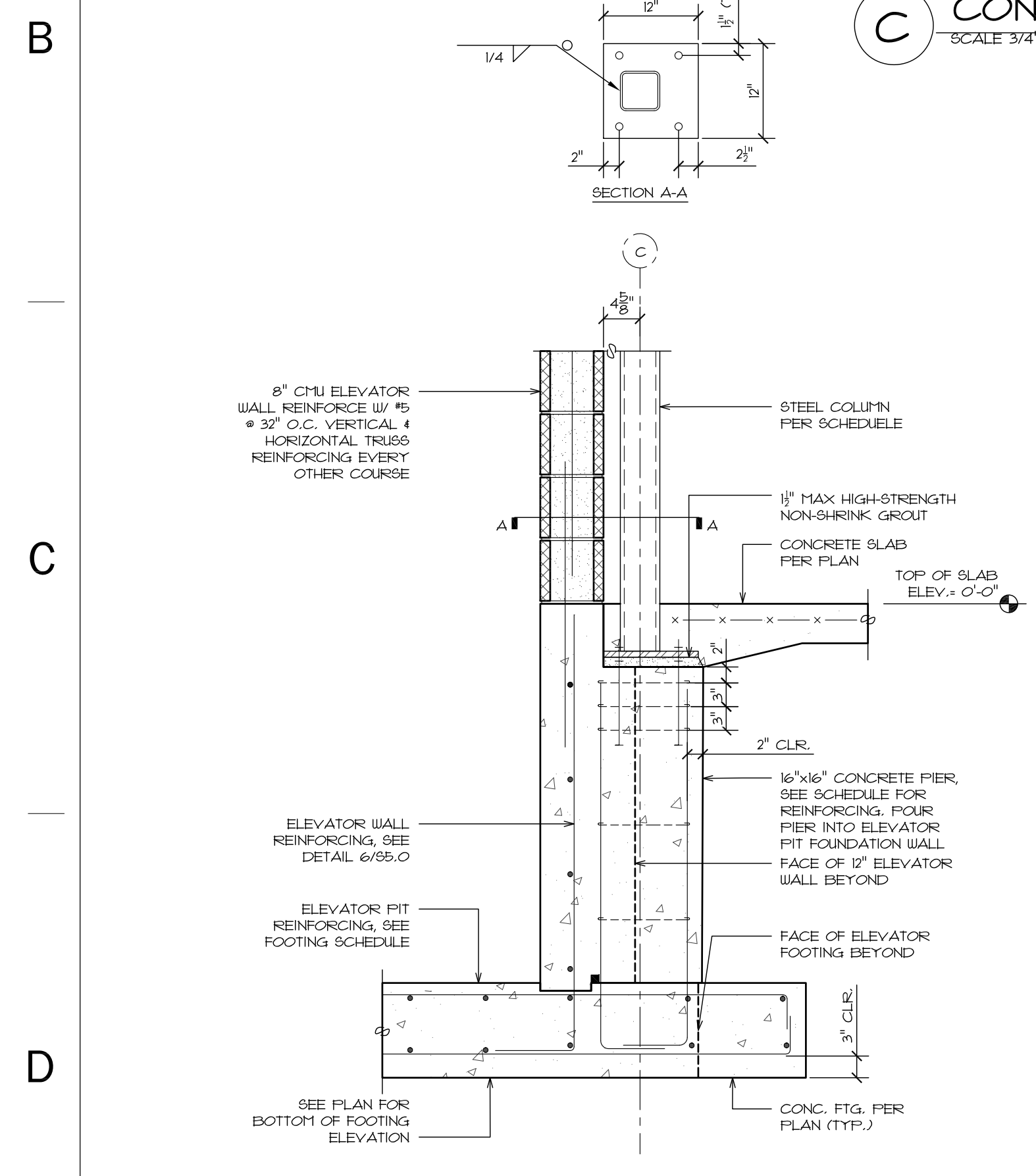
A STEPPED FOOTING DETAIL
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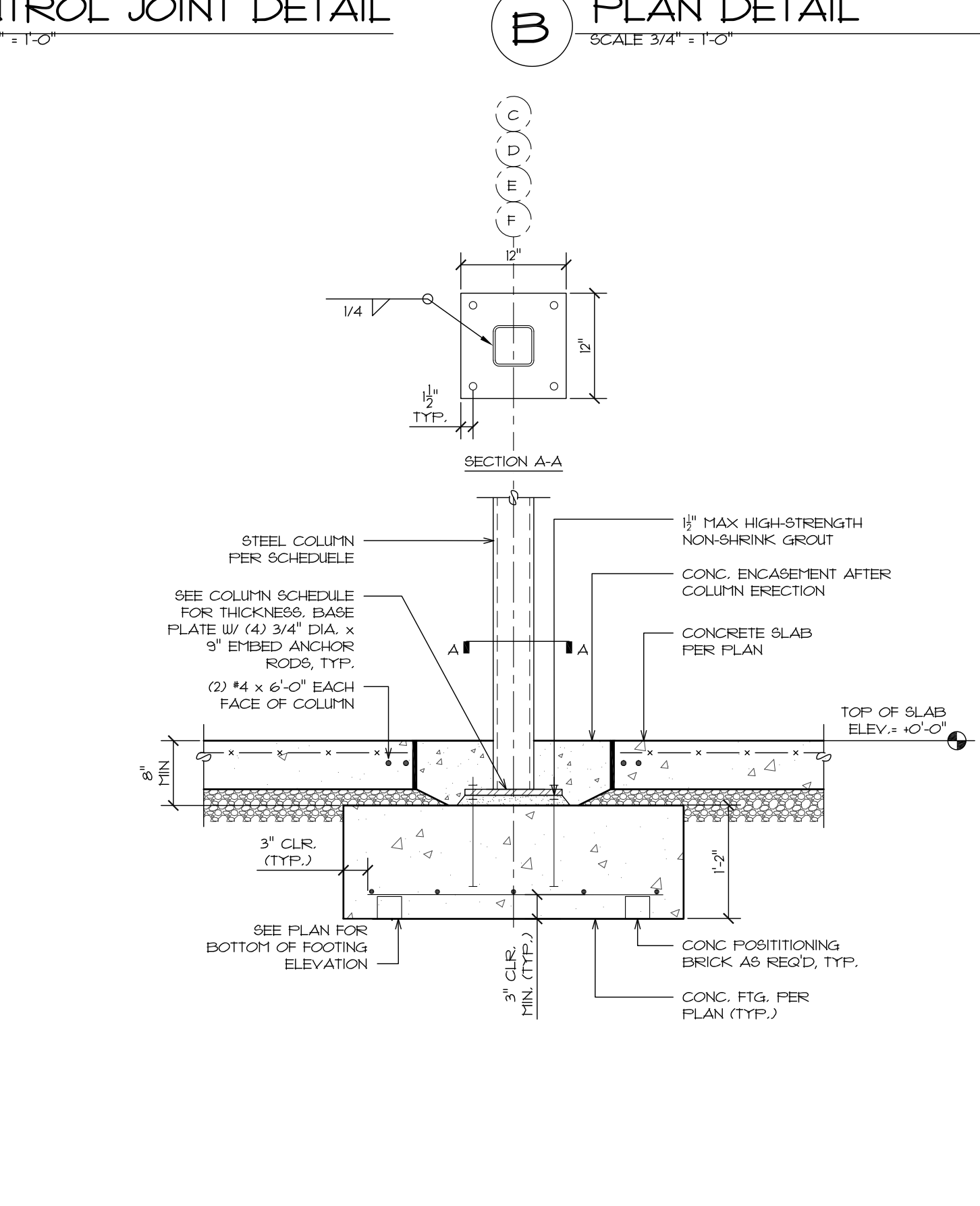
11 INTERIOR BEARING WALL FOUNDATION DETAIL
SCALE 3/4" = 1'-0"



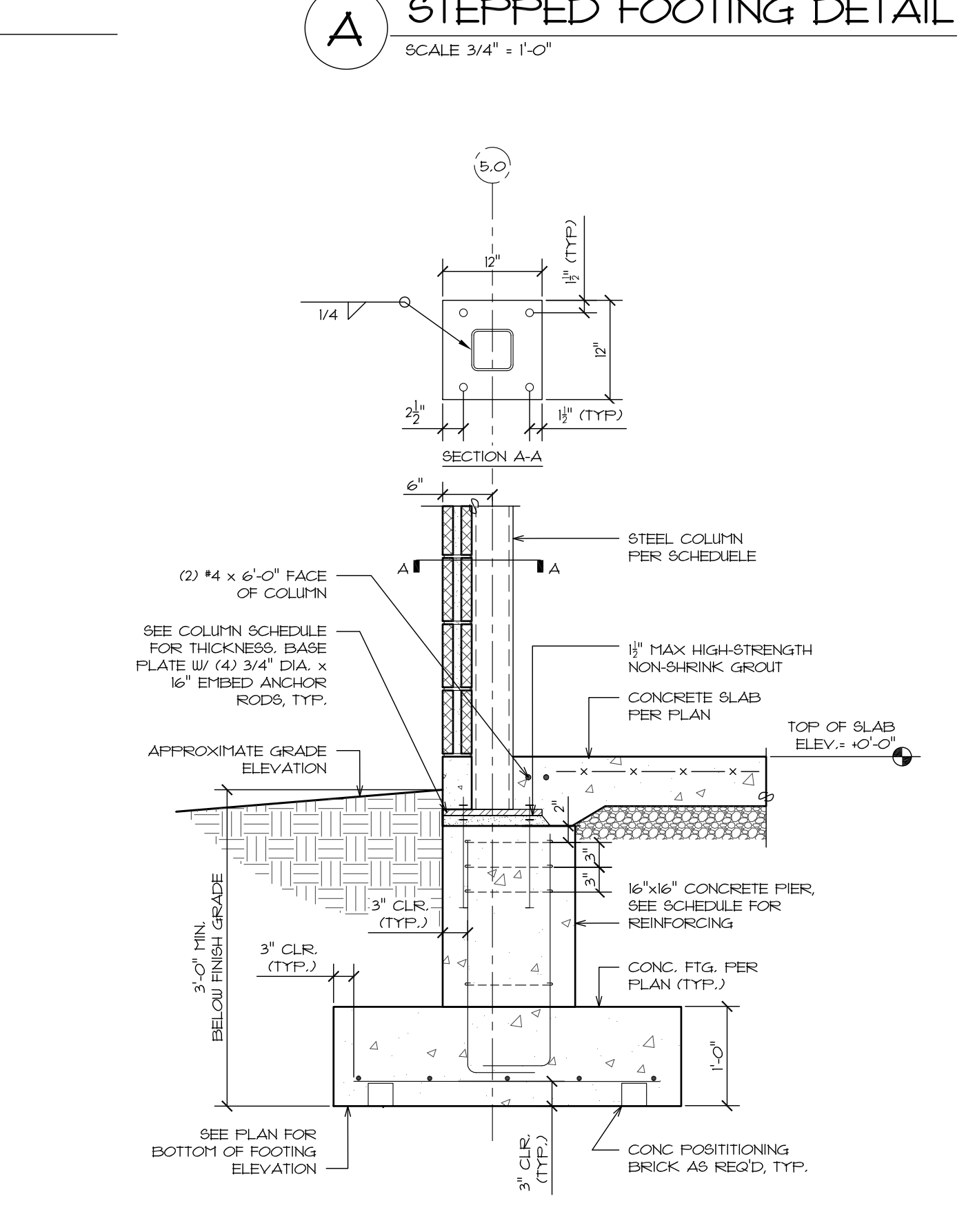
10 STAIR FOUNDATION DETAIL
SCALE 3/4" = 1'-0"



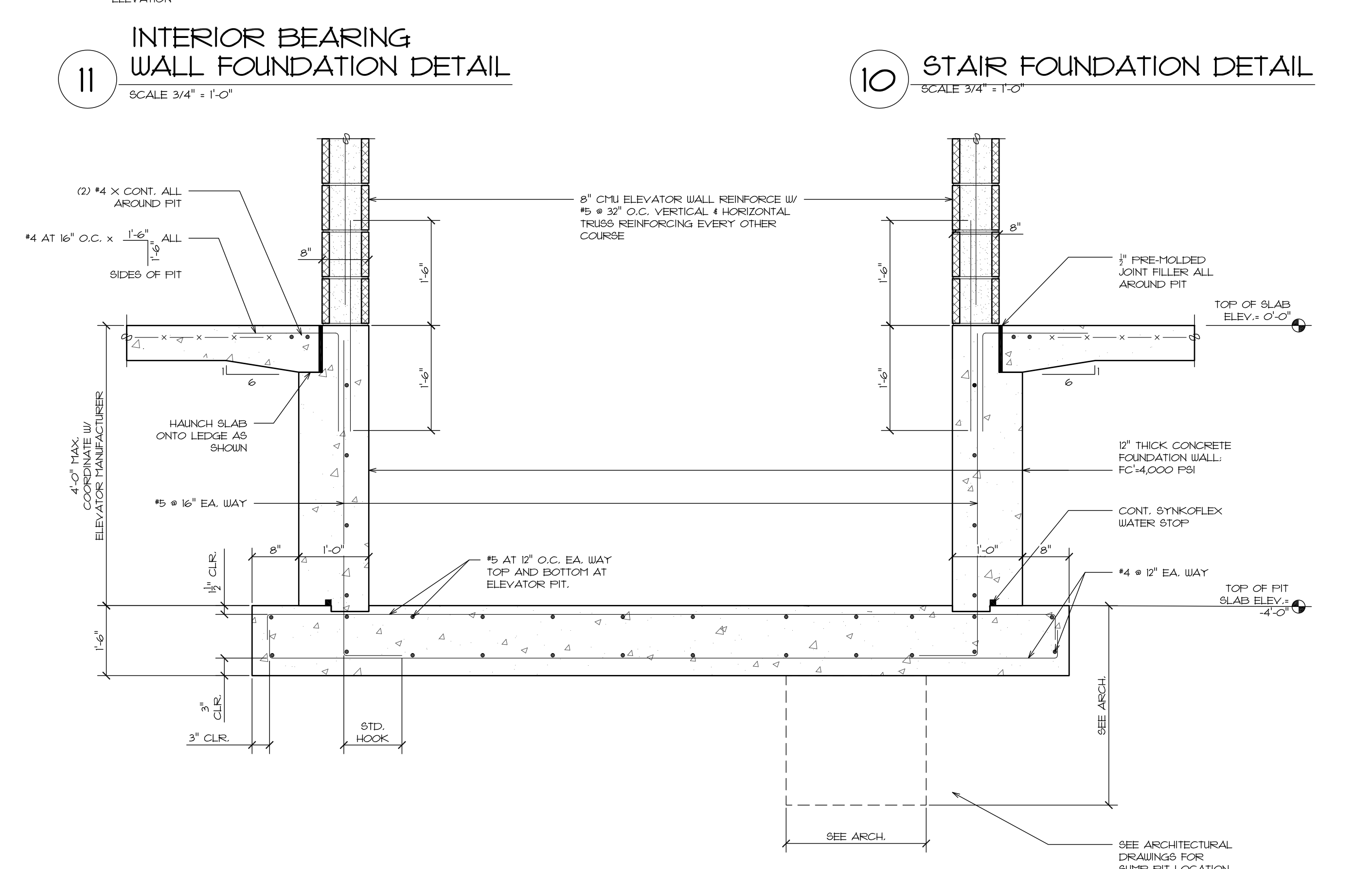
9 INTERIOR STL. COL. FOUNDATION DETAIL
SCALE 3/4" = 1'-0"



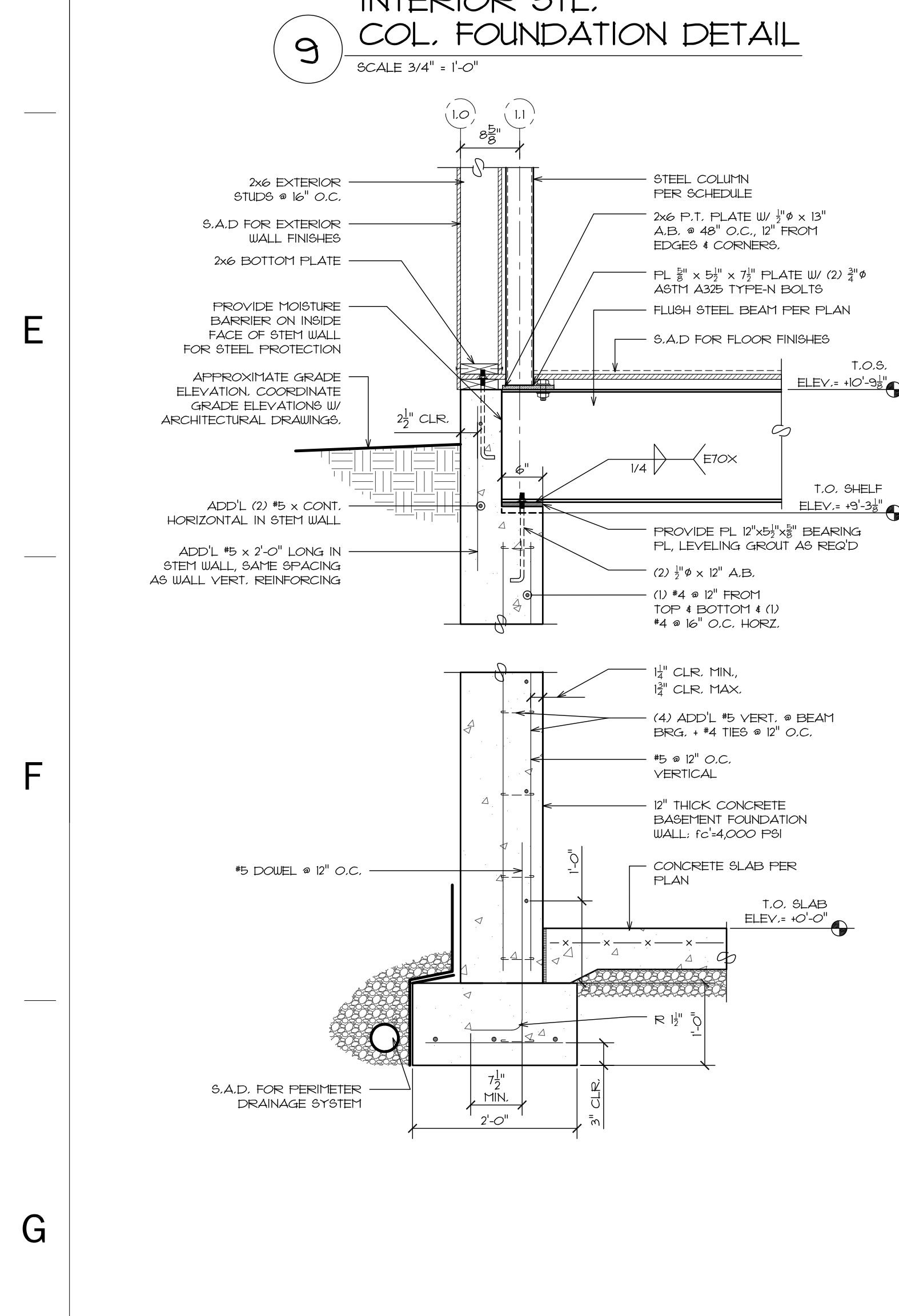
8 INTERIOR STL. COL. FOUNDATION DETAIL
SCALE 3/4" = 1'-0"



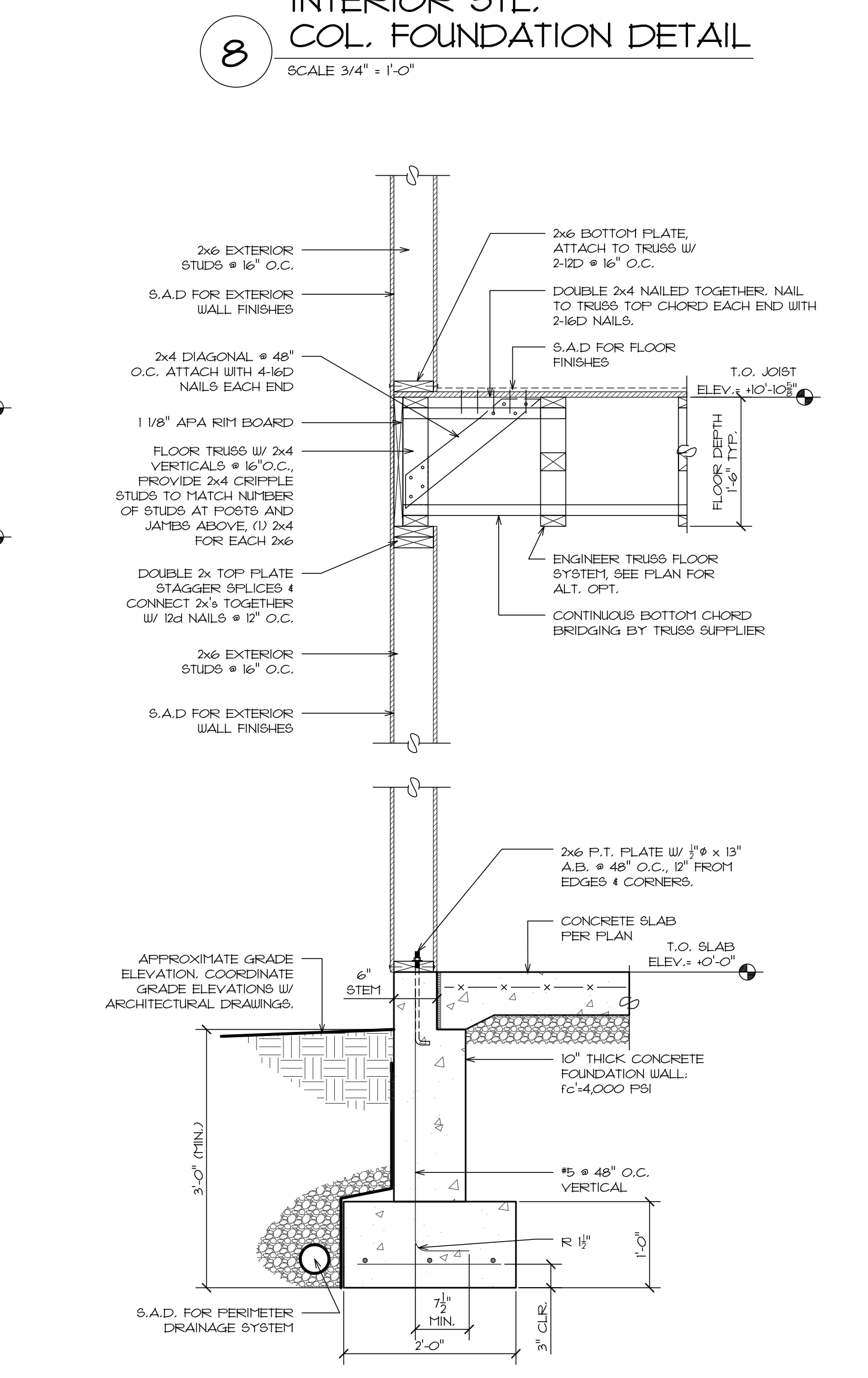
7 EXTERIOR STL. COL. FOUNDATION DETAIL
SCALE 3/4" = 1'-0"



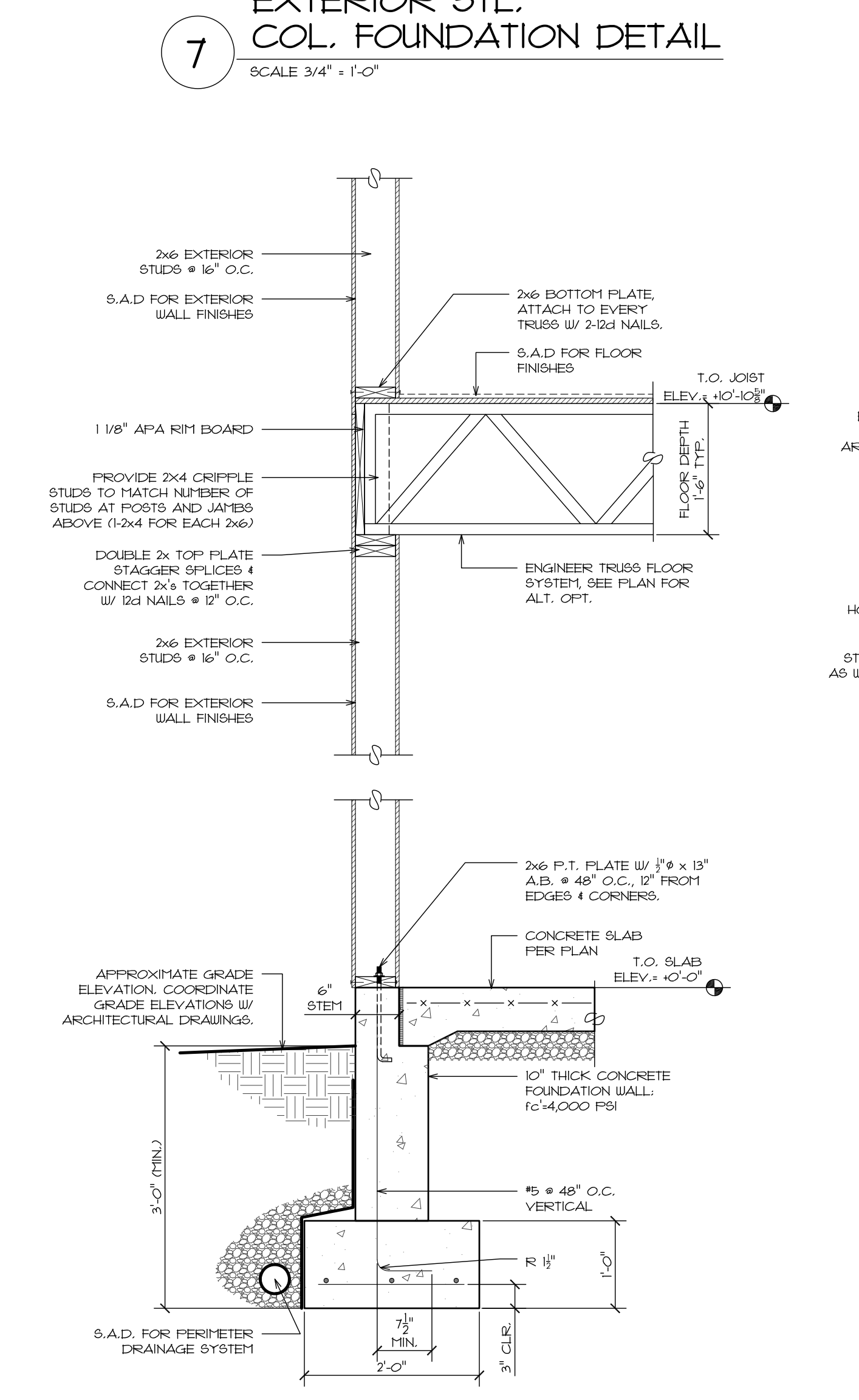
6 ELEVATOR FOUNDATION DETAIL
SCALE 3/4" = 1'-0"



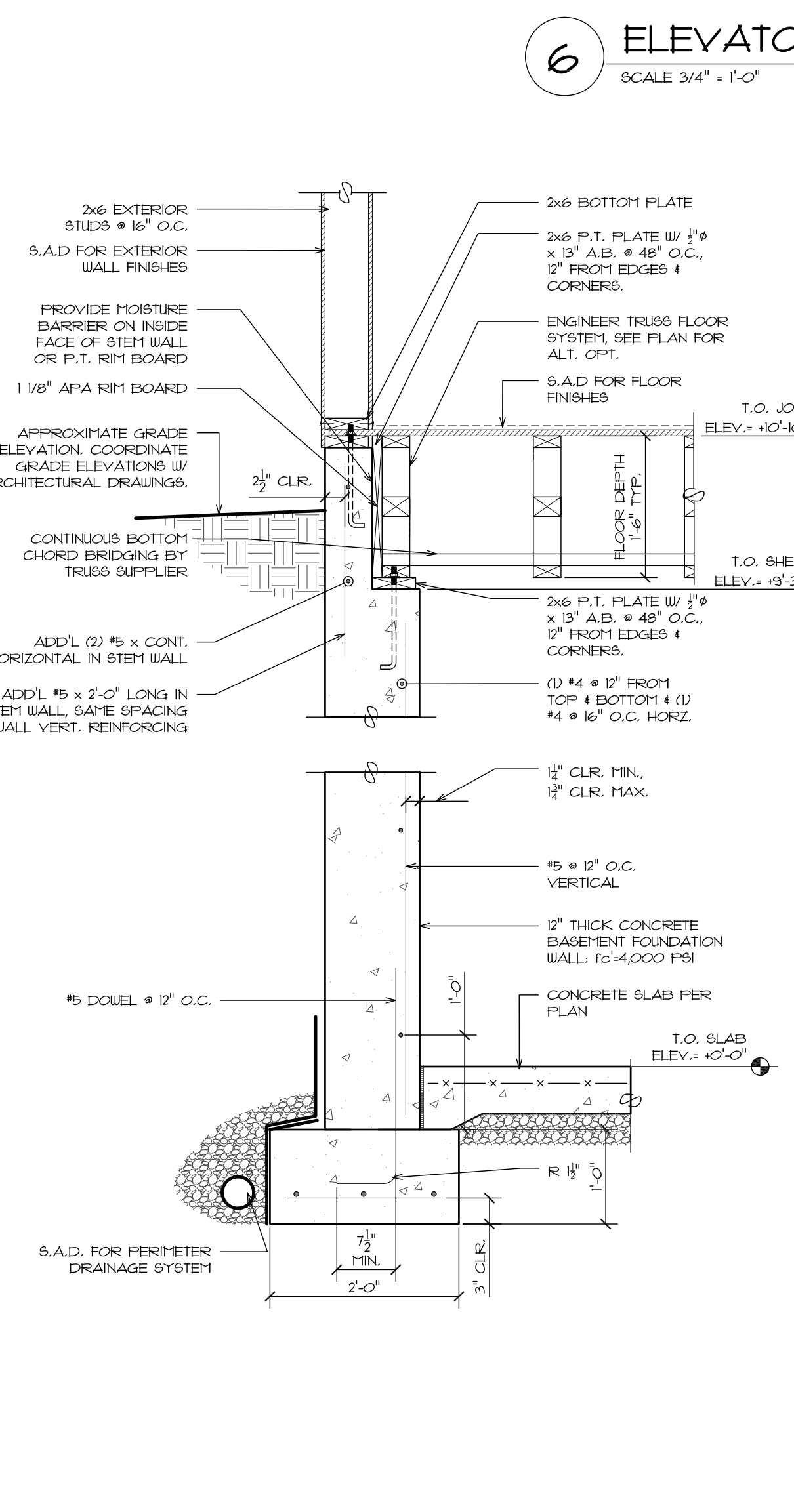
5 FOUNDATION DETAIL [TRUSS PARALLEL ELSE SAME AS (3)]
SCALE 3/4" = 1'-0"



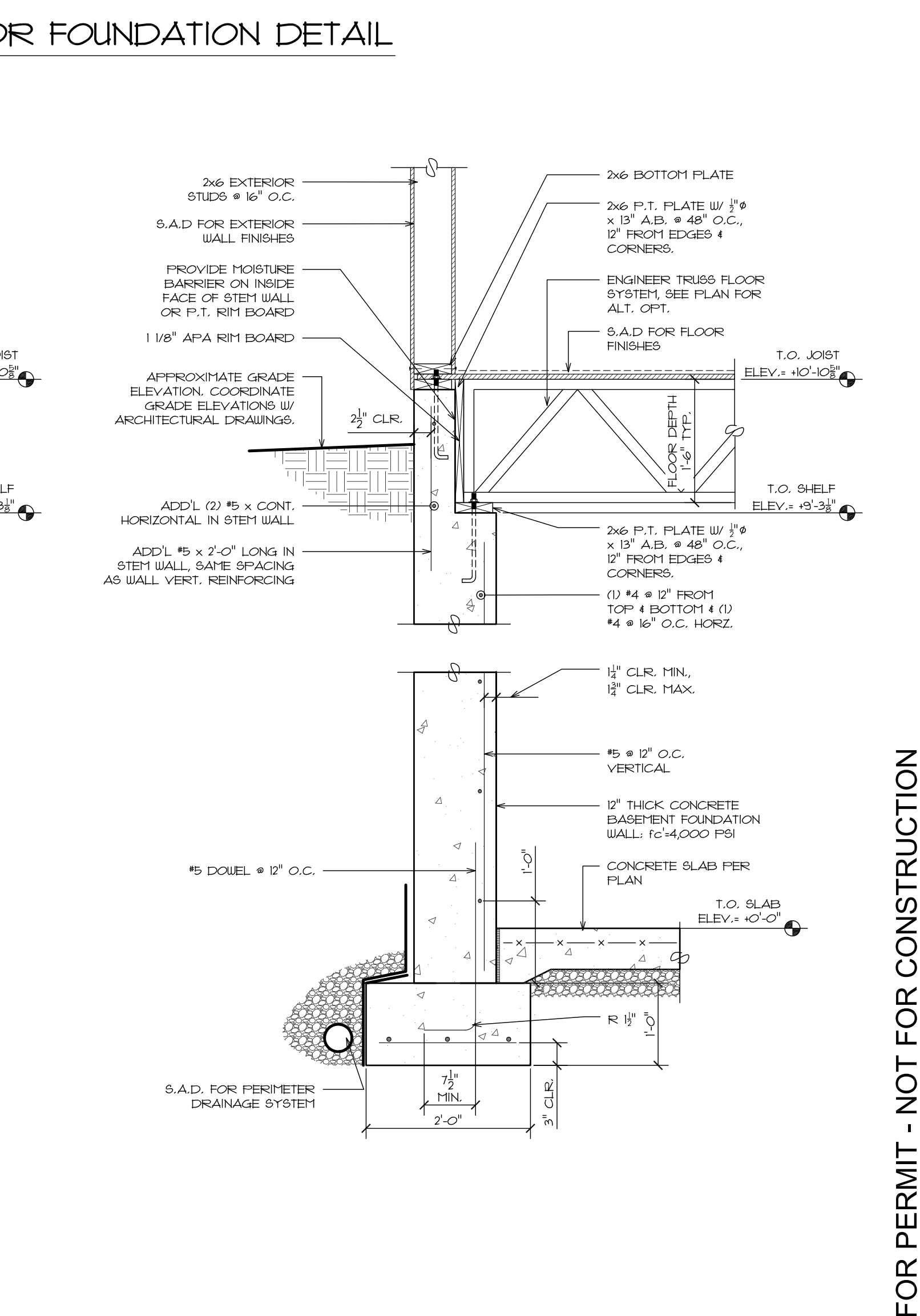
4 FOUNDATION DETAIL [TRUSS PERPENDICULAR ELSE SAME AS (3)]
SCALE 3/4" = 1'-0"



3 FOUNDATION DETAIL [TRUSS PERPENDICULAR ELSE SAME AS (4)]
SCALE 3/4" = 1'-0"

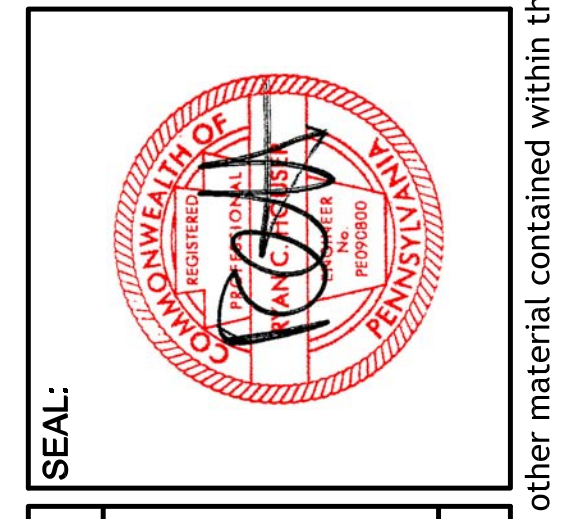


2 FOUNDATION DETAIL [TRUSS PARALLEL ELSE SAME AS (1)]
SCALE 3/4" = 1'-0"



1 FOUNDATION DETAIL [TRUSS PERPENDICULAR ELSE SAME AS (2)]
SCALE 3/4" = 1'-0"

REVISIONS	Description	Date	No.



WOODLANDS AT GREYSTONE
SCUL THORPE DR. WEST GOSHEN TOWNSHIP
CHESTER COUNTY, PA

STRUCTURAL FOUNDATION DETAILS

DRAWING NAME: STRUCTURAL FOUNDATION DETAILS
PROJECT NUMBER: SFA-1905
DATE: 2020-09-04
SCALE: AS NOTED
SHEET NO.

Project number: SFA-1905
date: 2020-09-04
scale: AS NOTED
sheet no.

Drawn by: RCH
chk'd by: RCH
approved by: RCH

S5.0

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A
B
C
D
E
F
G

ALLOWABLE HOLES - TJI JOISTS

Min. distance from Table A

1/2" holes may be cut anywhere in web outside of hatched zones

No field cut holes in hatched zones

Closely grouped round holes are permitted if the minimum group perimeter meets requirements for round or square holes.

Do not cut holes in hatched zones larger than 1/2" in cantilever

Table A - End Support

JOIST TYP.	ROUND HOLE SIZE					SQUARE OR RECTANGULAR HOLE SIZE				
	4"	6"	8"	10"	12"	4"	6"	8"	10"	12"
18"	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
24"	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02

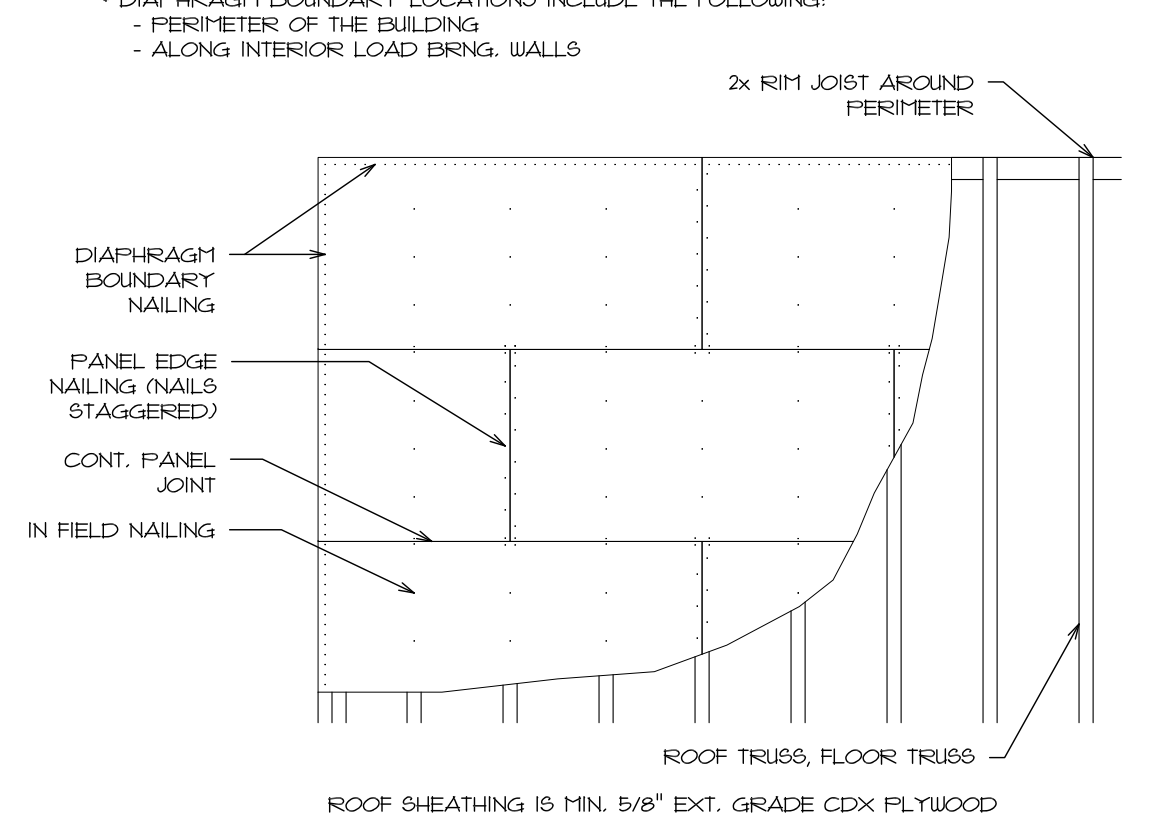
Table B - Intermediate or Cantilever Support

JOIST TYP.	ROUND HOLE SIZE					SQUARE OR RECTANGULAR HOLE SIZE				
	4"	6"	8"	10"	12"	4"	6"	8"	10"	12"
18"	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
24"	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02

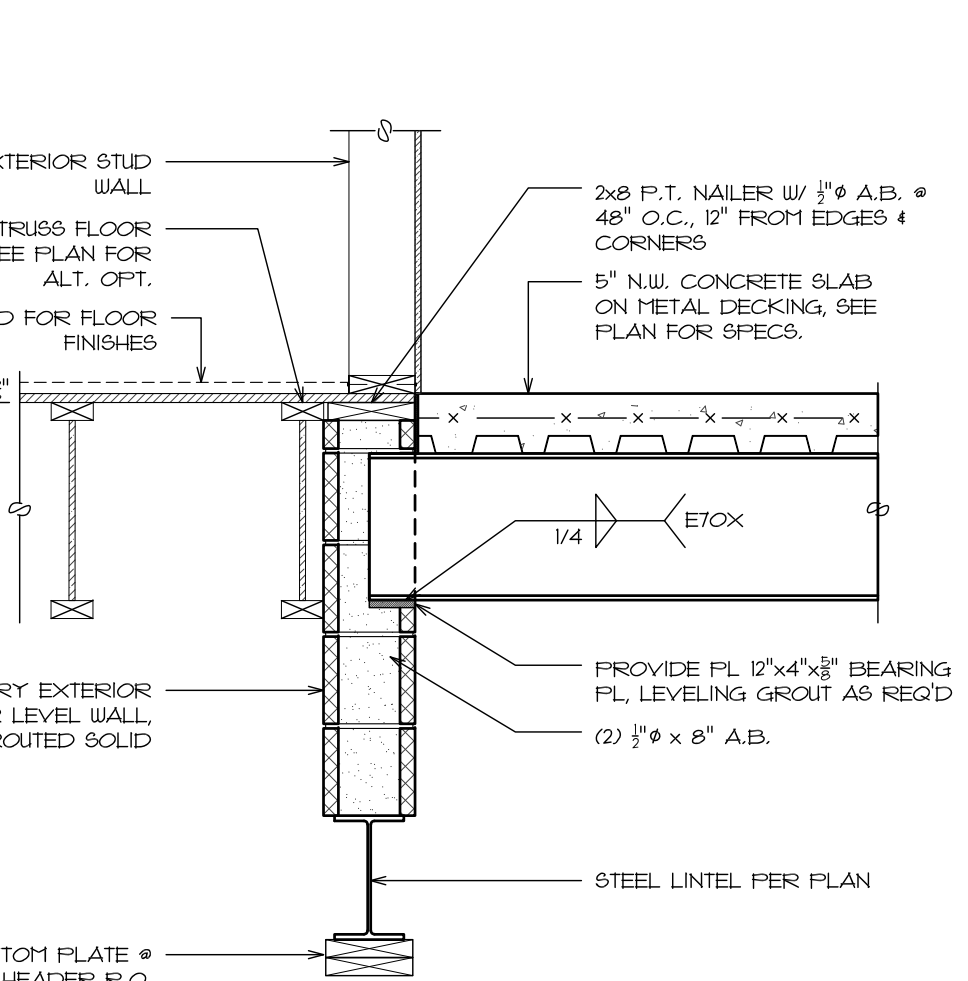
NAILING SCHEDULE

LOCATION	ROOF	FLOOR
DIAPHRAGM BOUNDARY*	10d @ 6" o.c.	10d @ 6" o.c.
PANEL EDGES	10d @ 6" o.c.	10d @ 6" o.c.
CONT. PANEL JOINT	10d @ EA TRUSS	10d @ EA TRUSS
IN FIELD	PARALLEL TO TRUSS - 10d @ 12" o.c. PERP. TO TRUSS - 10d @ EA TRUSS	PARALLEL TO TRUSS - 10d @ 12" o.c. PERP. TO TRUSS - 10d @ EA TRUSS

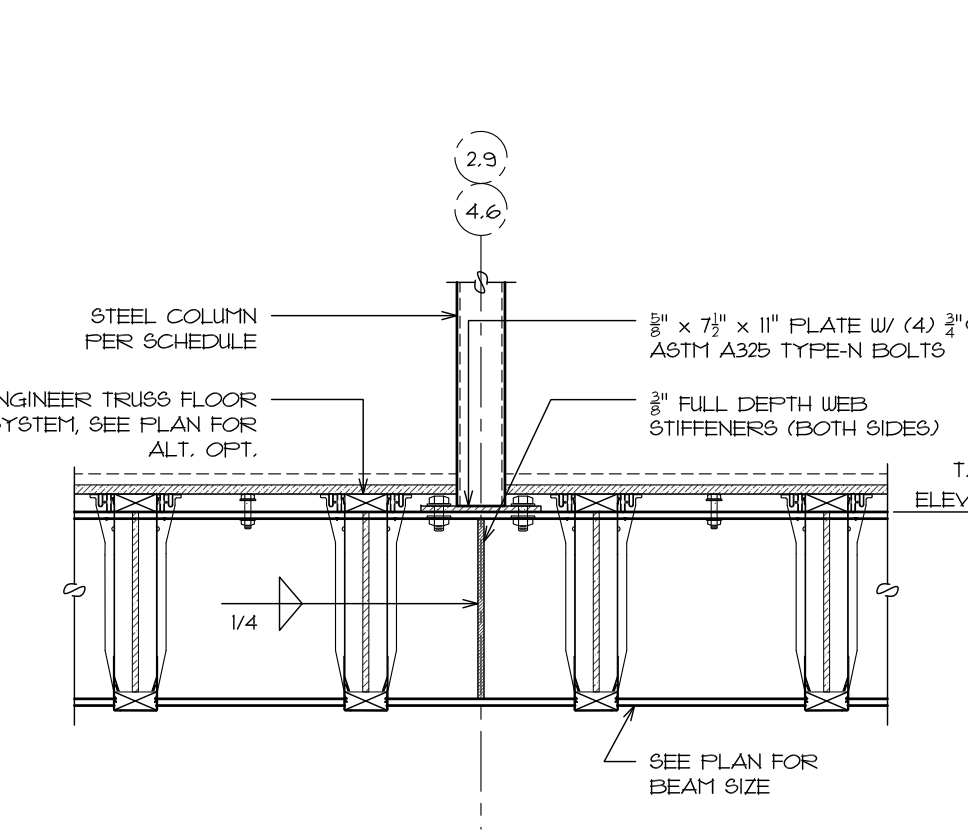
* DIAPHRAGM BOUNDARY LOCATIONS INCLUDE THE FOLLOWING:
- PERIMETER OF THE BUILDING
- ALONG INTERIOR LOAD BEARING WALLS



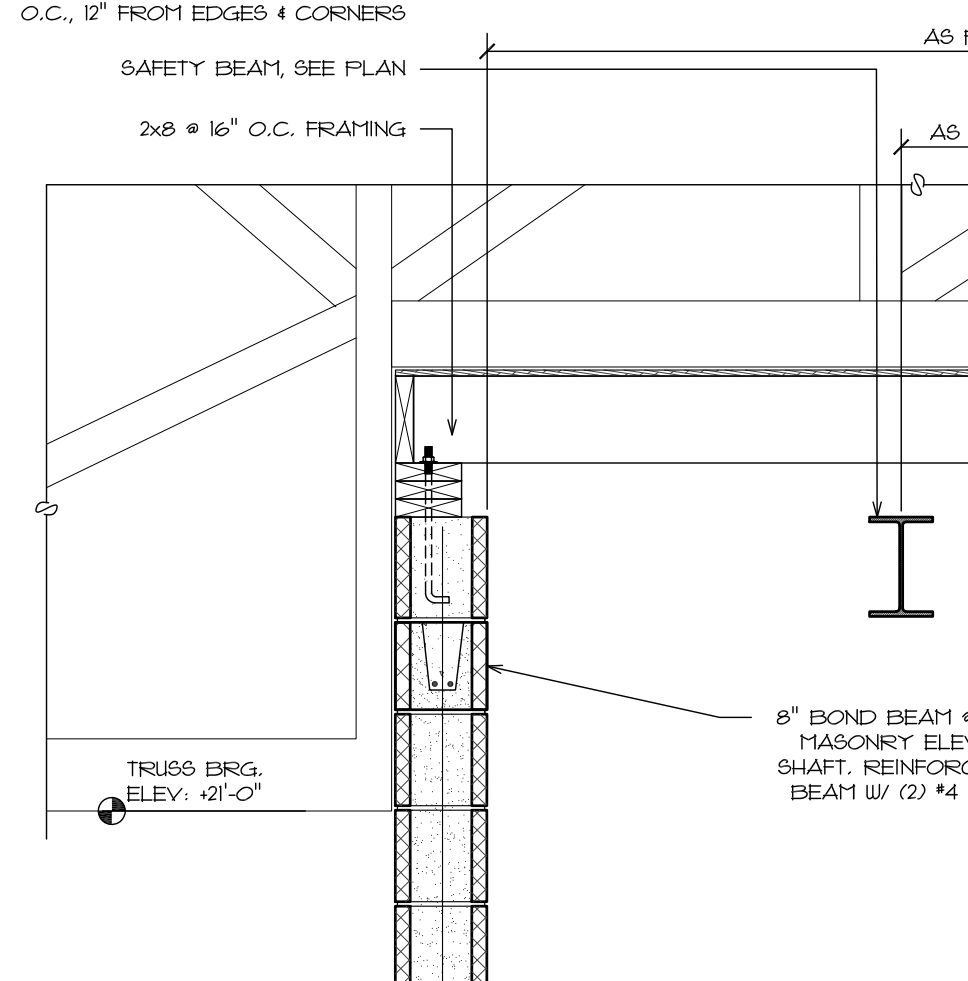
A STEEL DETAIL
SCALE 1" = 1'-0"



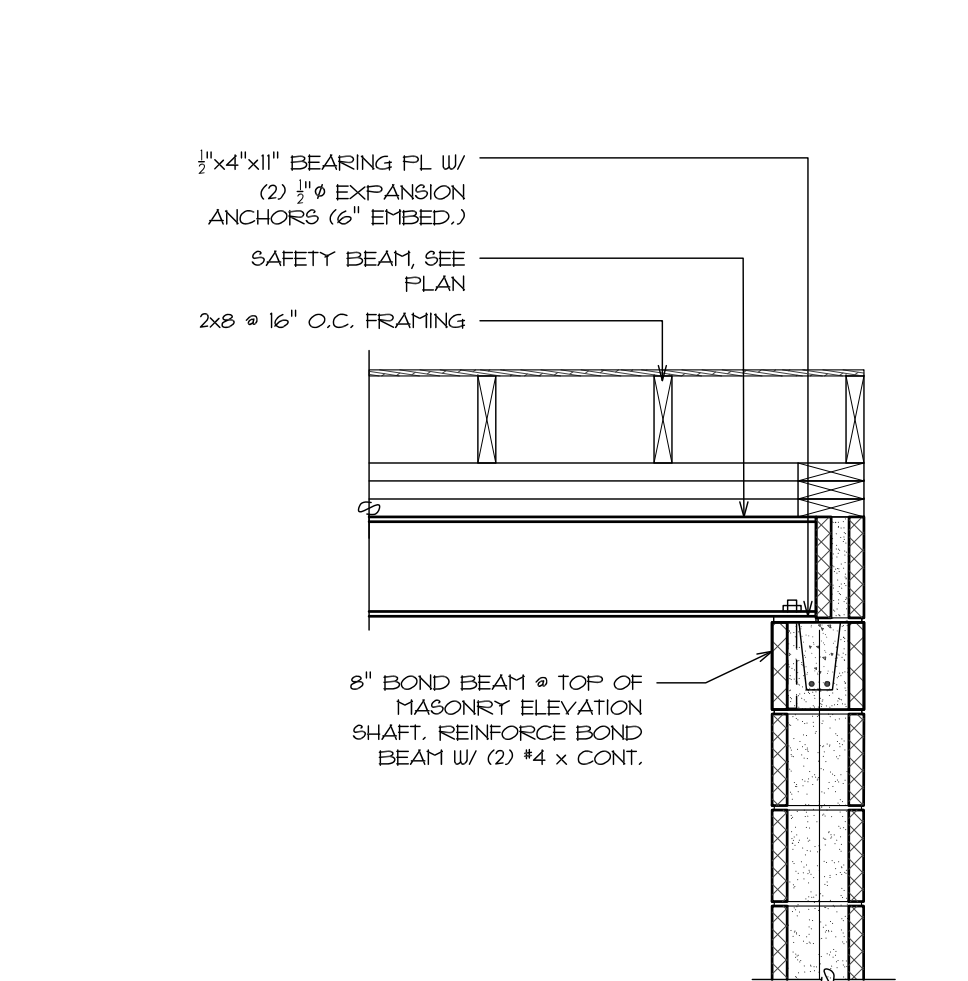
12 ELEVATED DECK STEEL DETAIL
SCALE 3/4" = 1'-0"



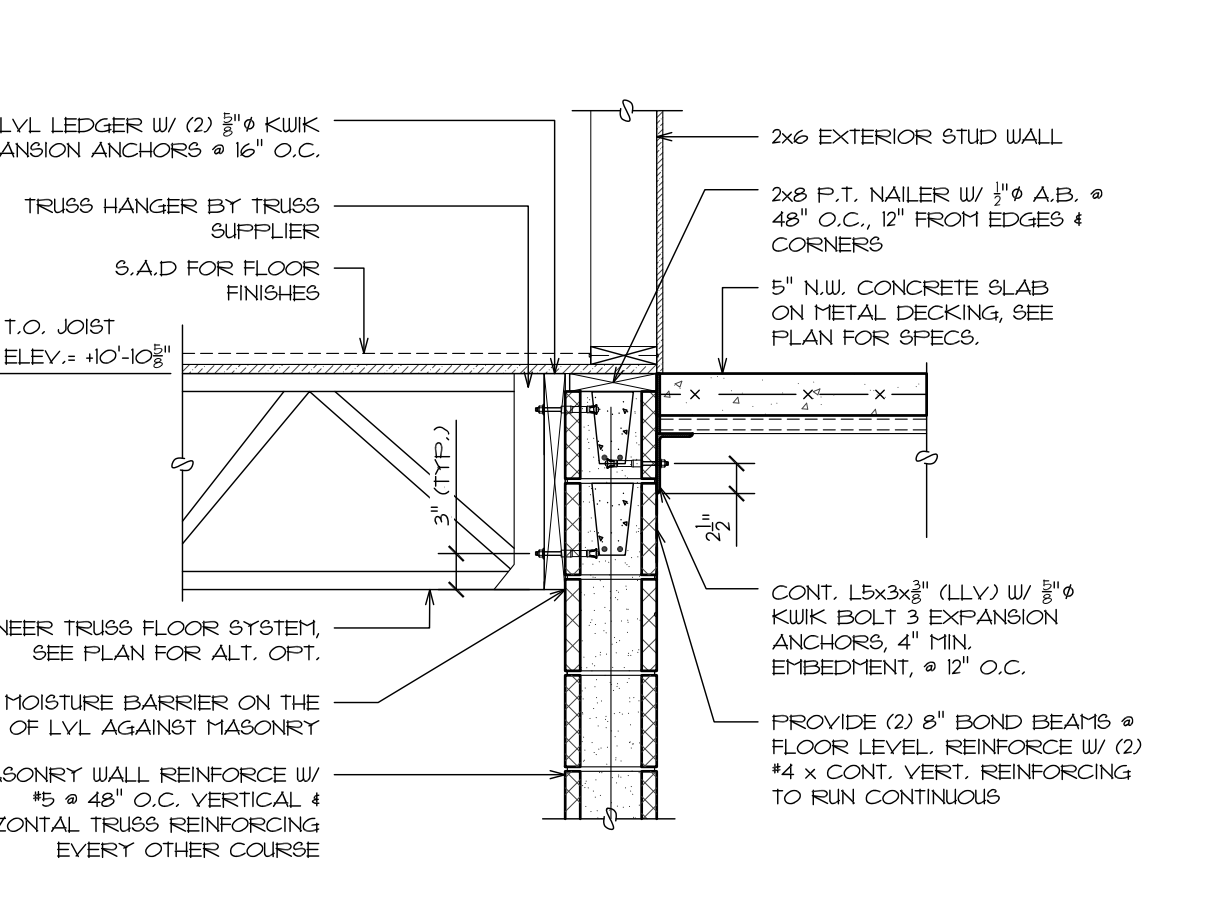
16 FOUNDATION DETAIL
SCALE 3/4" = 1'-0"



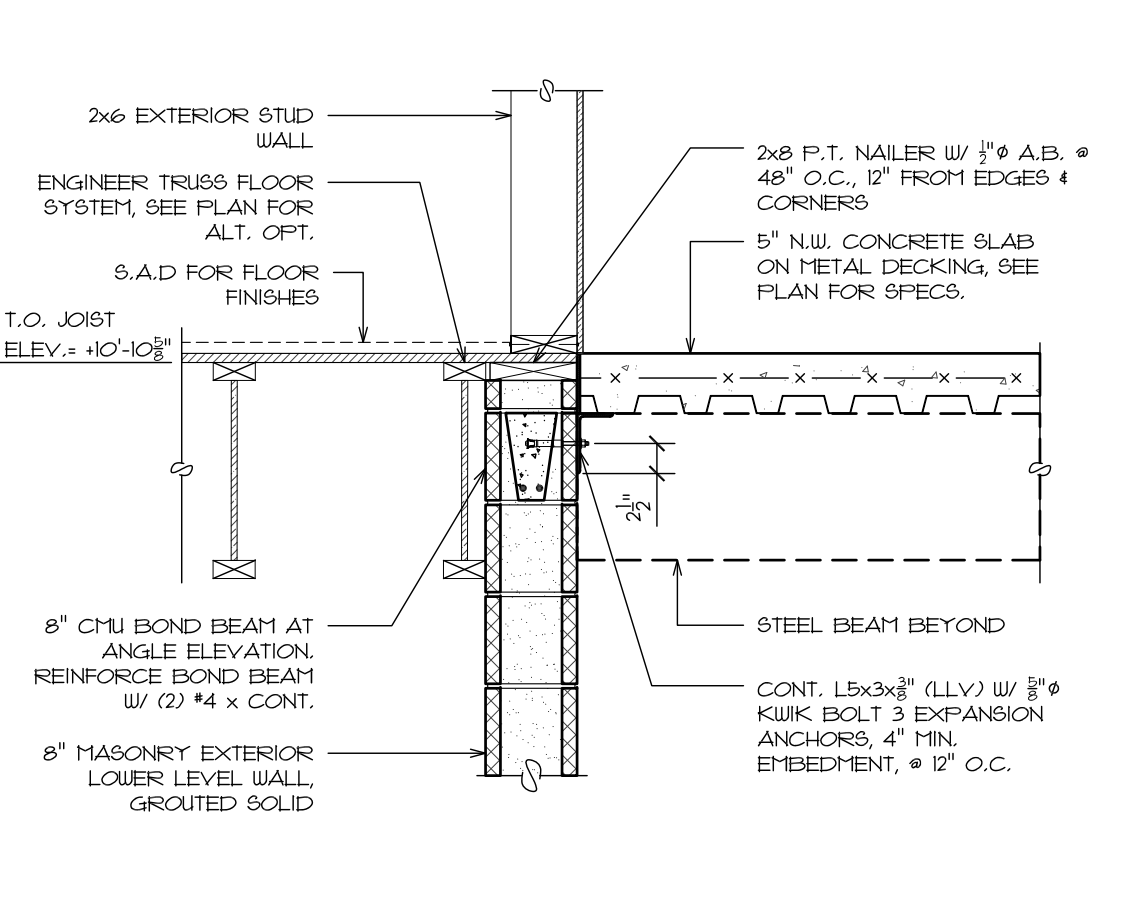
15 SADDLE BRACKET DETAIL
SCALE 3/4" = 1'-0"



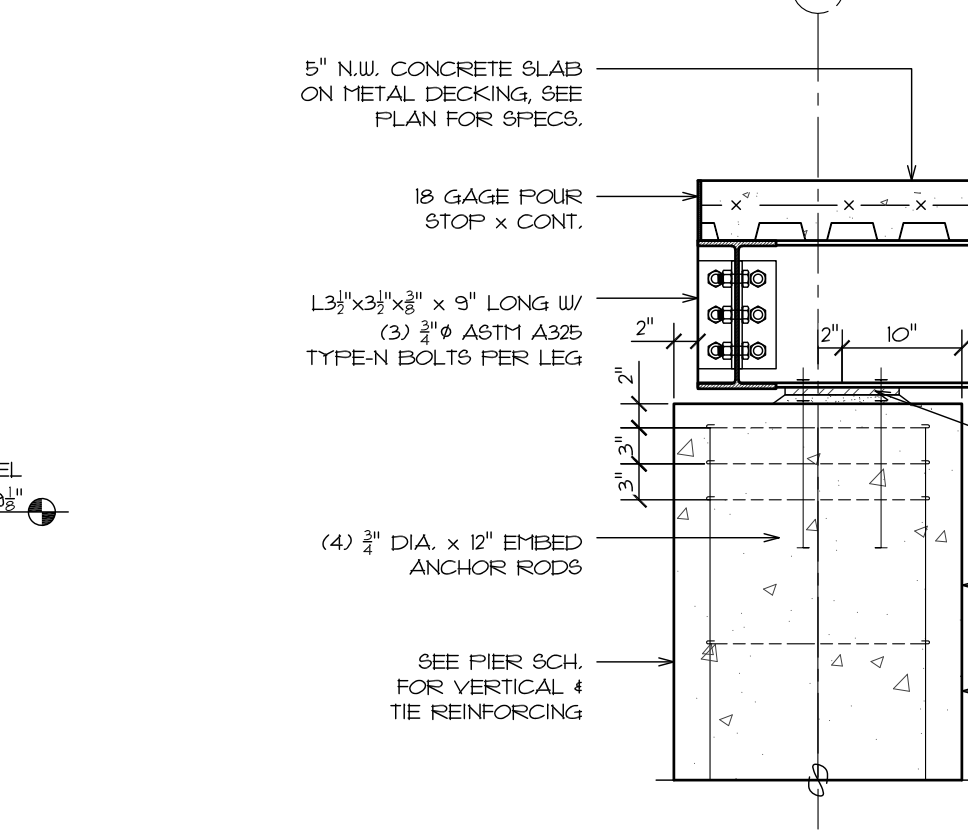
C TJI ALLOWABLE HOLE DIAGRAM
SCALE N.T.S.



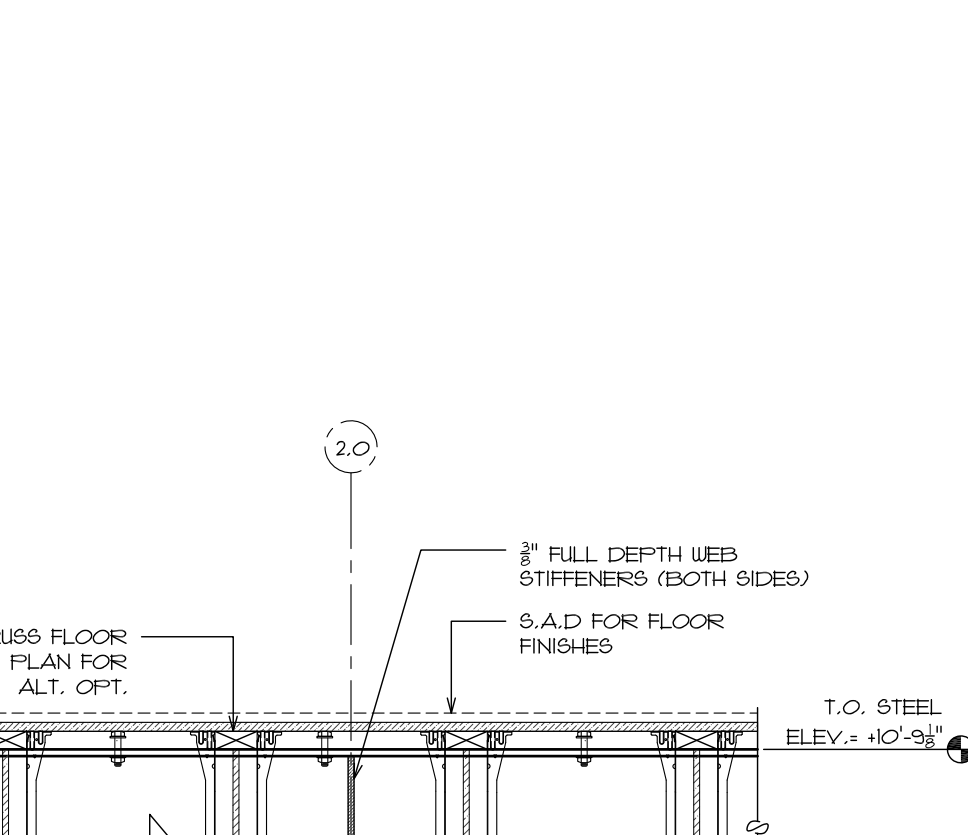
B ROOF SHEATHING ATTACHMENT
SCALE 1/2" = 1'-0"



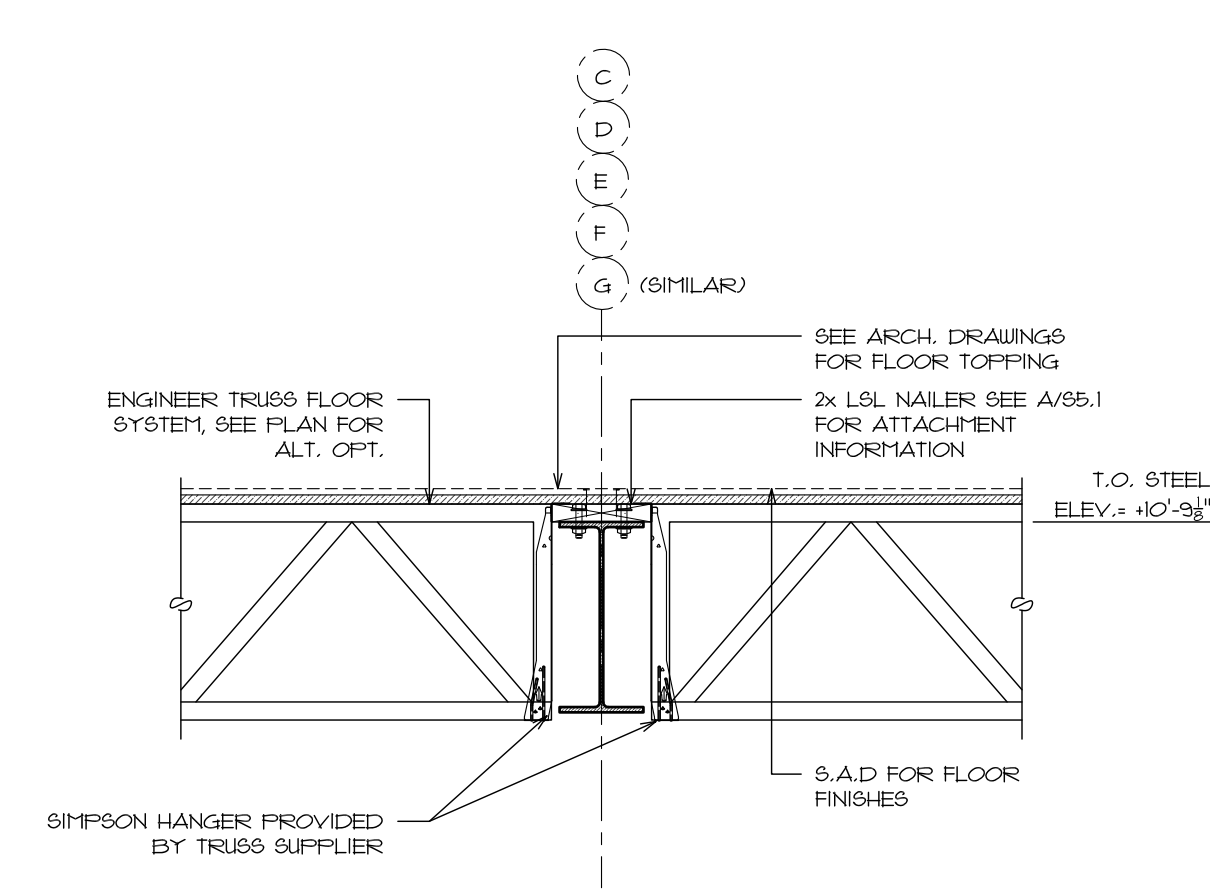
11 HOIST BEAM BRG. DETAIL
SCALE 3/4" = 1'-0"



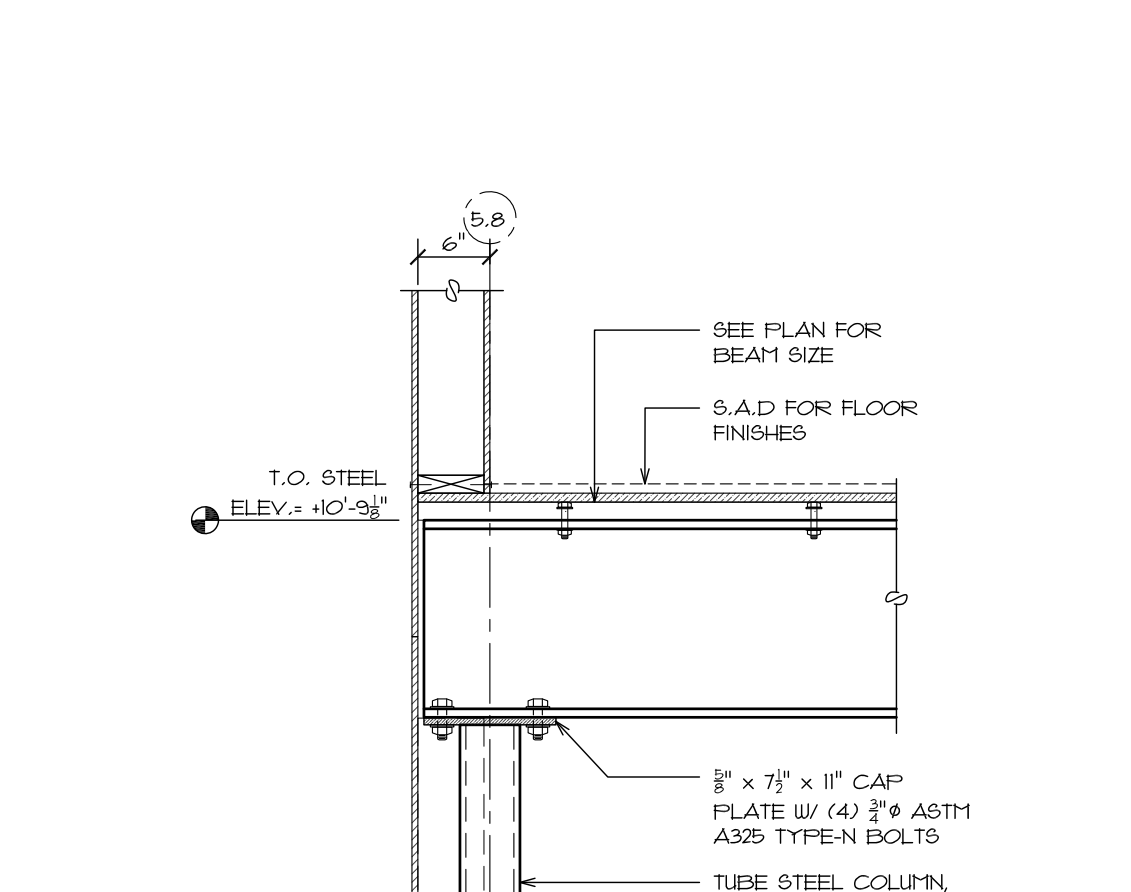
10 HOIST BEAM DETAIL
SCALE 3/4" = 1'-0"



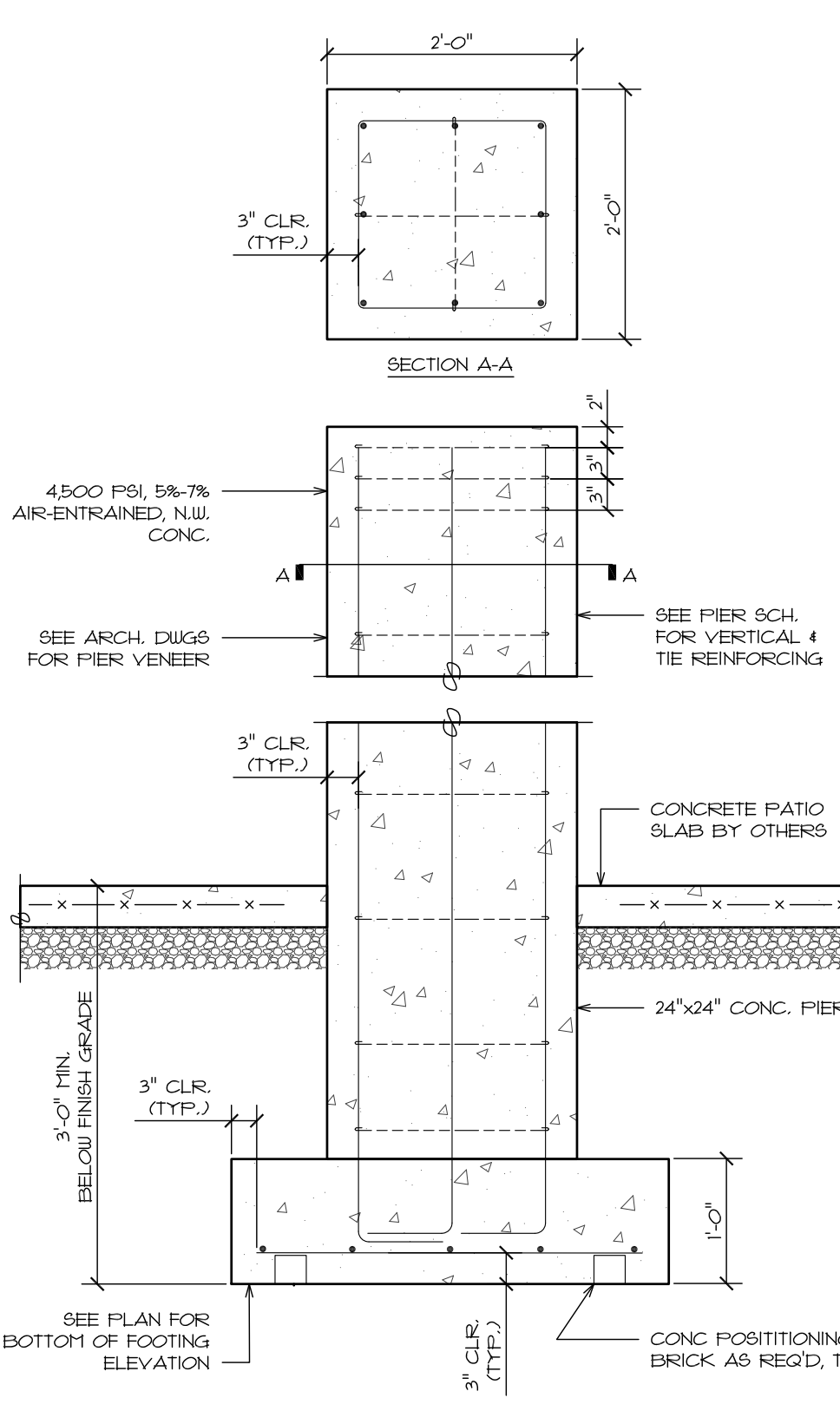
14 ELEVATED DECK SLAB FRAMING DETAIL
SCALE 3/4" = 1'-0"



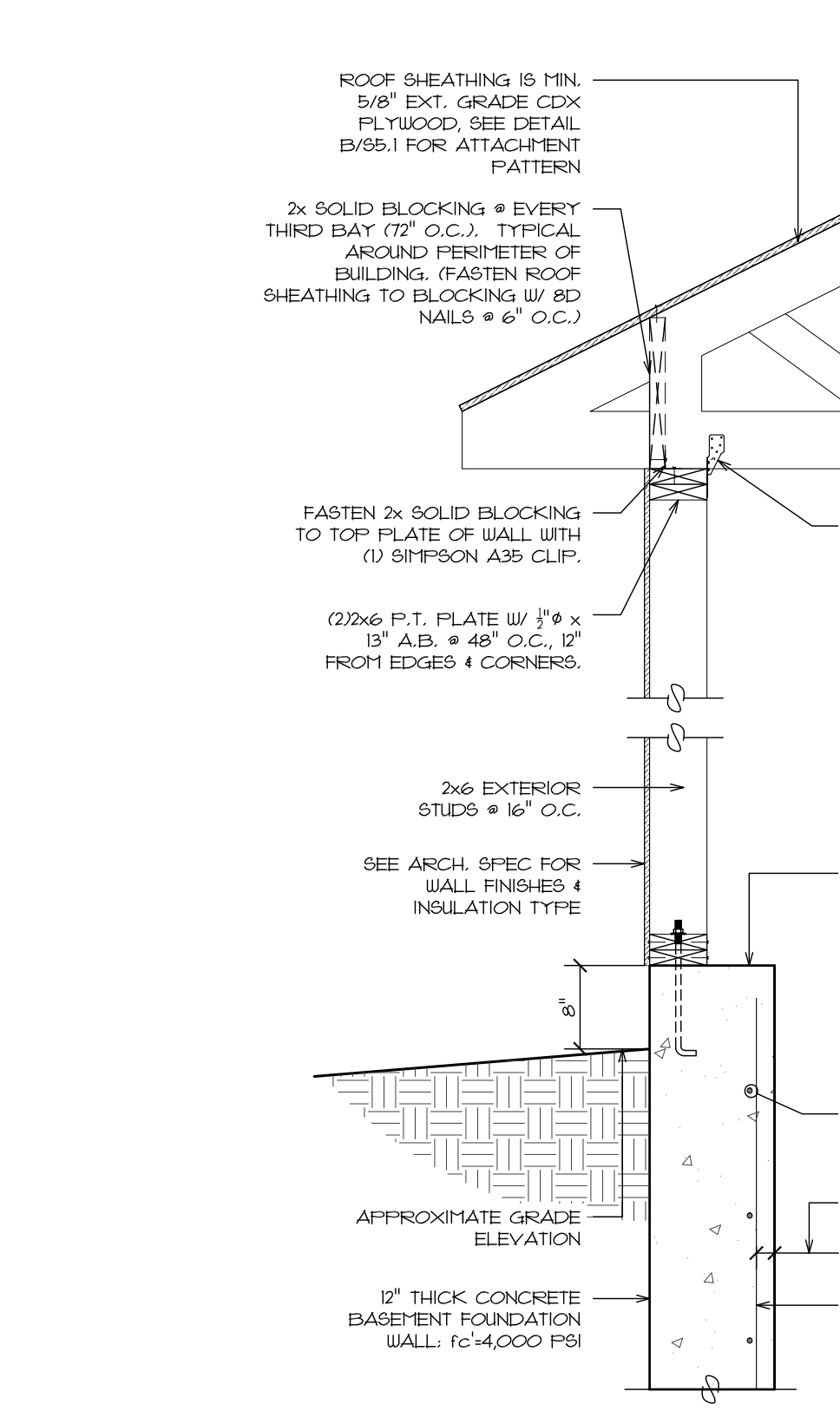
13 ELEVATED DECK SLAB EDGE SUPPORT DETAIL
SCALE 3/4" = 1'-0"



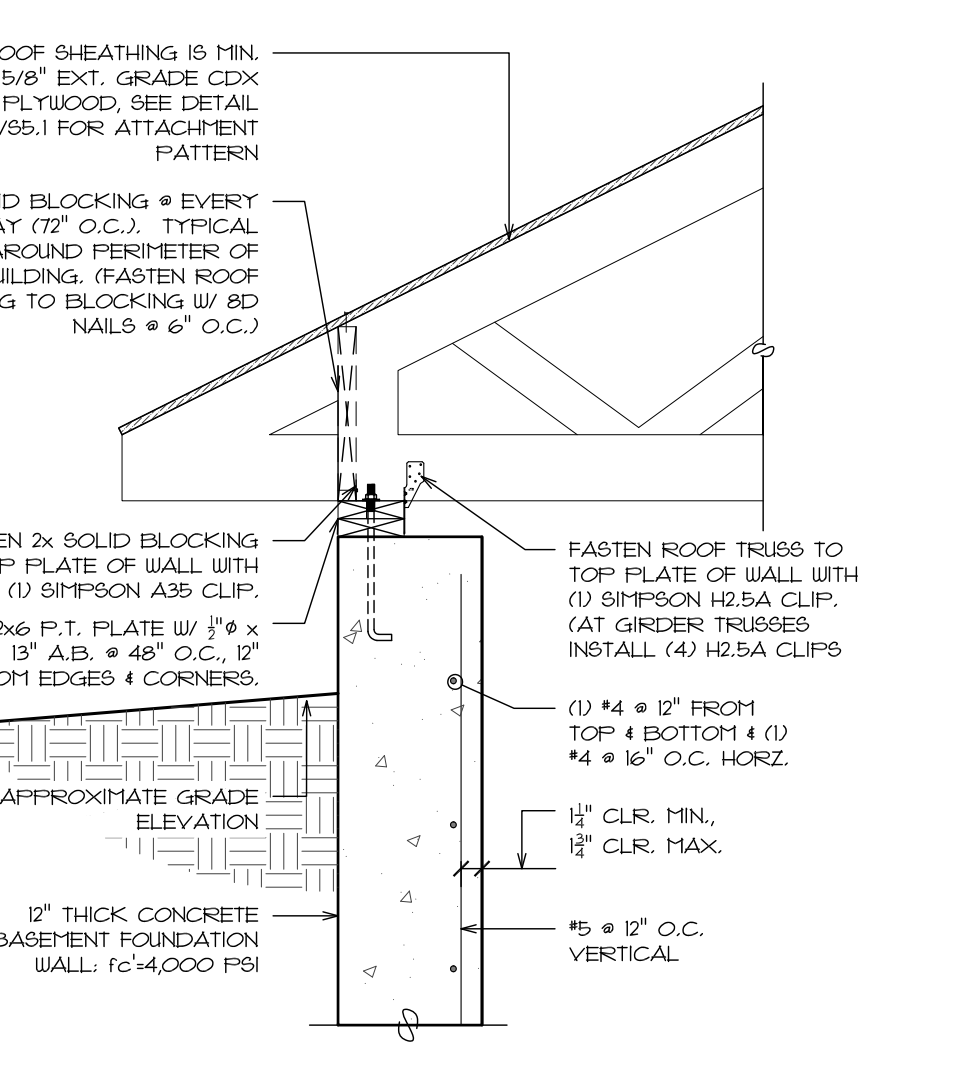
7 EXTERIOR STL. STEEL DETAIL - COL. ABOVE
SCALE 3/4" = 1'-0"



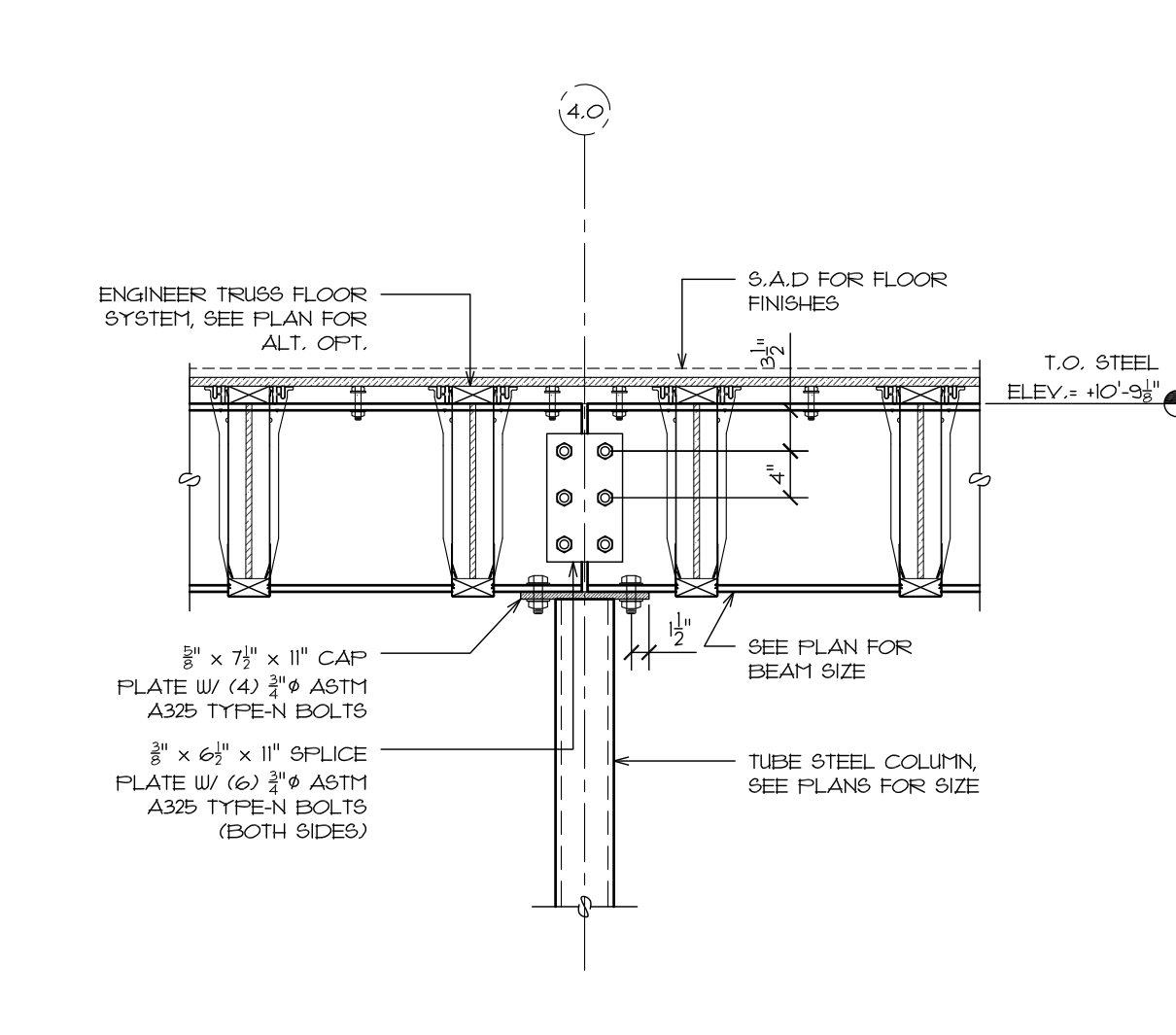
6 STEEL DETAIL - ELEVATOR PILASTER
SCALE 3/4" = 1'-0"



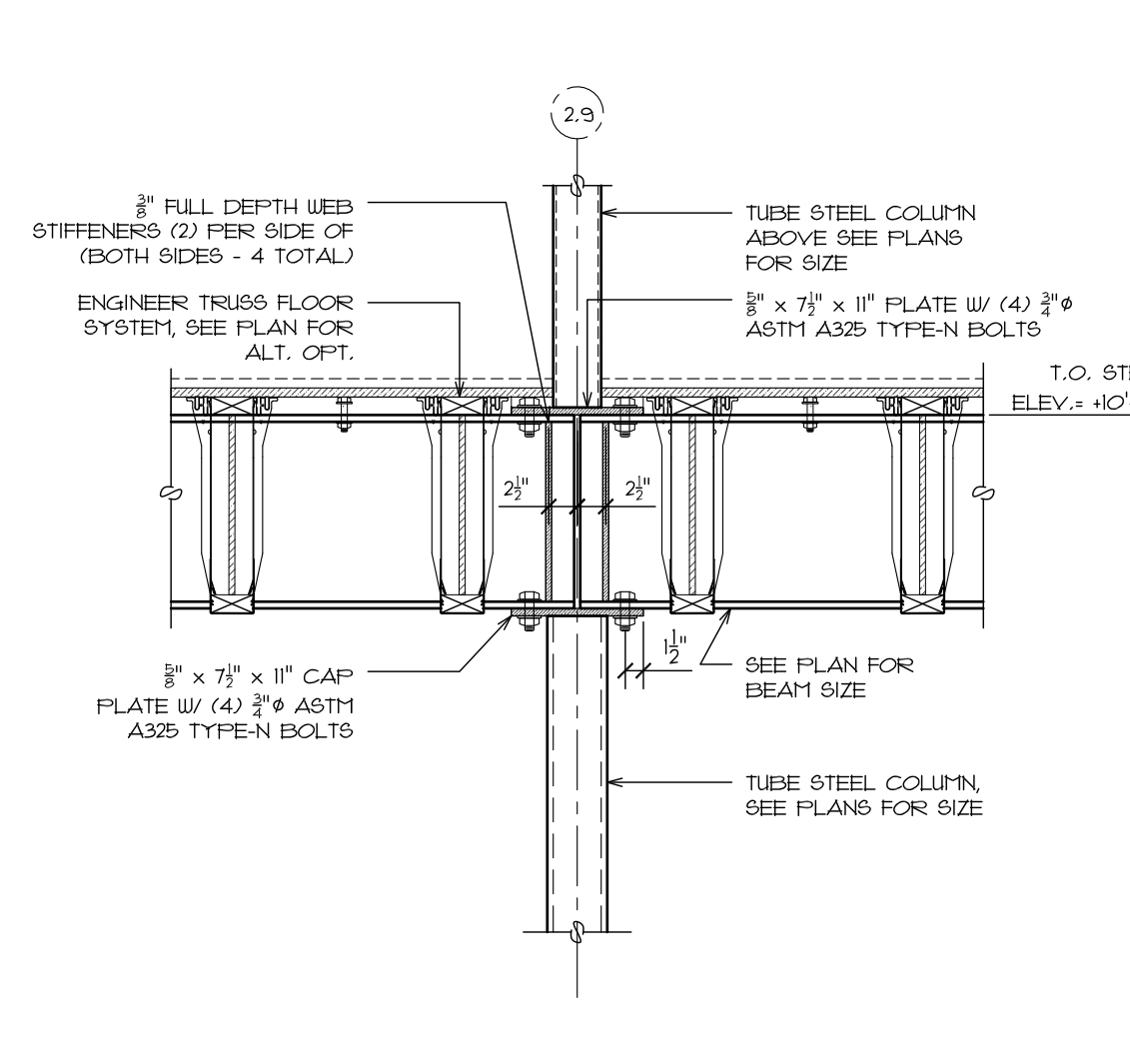
5 STEEL DETAIL - BEAM CONT. @ COL.
SCALE 3/4" = 1'-0"



9 STEEL FRAMING DETAIL
SCALE 3/4" = 1'-0"



8 ELEVATOR LEDGER DETAIL
SCALE 3/4" = 1'-0"



4A STEEL DETAIL - BEAM SPLICE @ COL.
SCALE 3/4" = 1'-0"



4 STEEL DETAIL - COLUMN ABOVE
SCALE 3/4" = 1'-0"



3 ELEVATED PATIO PIER FOUNDATION DETAIL
SCALE 3/4" = 1'-0"



2 FRAMING DETAIL
SCALE 3/4" = 1'-0"

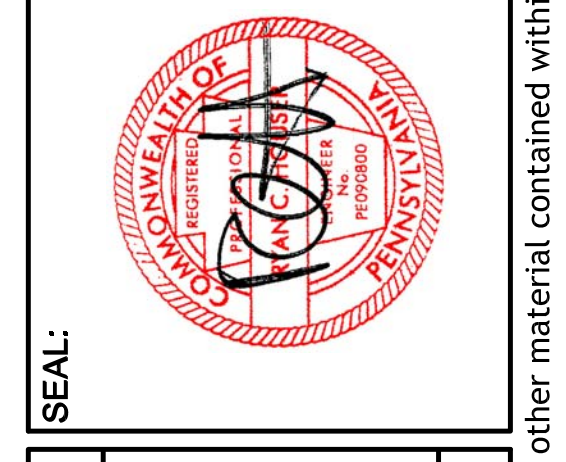


1 FRAMING DETAIL
SCALE 3/4" = 1'-0"



REVISIONS

Date	No.	Description



WOODLANDS AT GREYSTONE
SCUL THORPE DR. WEST GOSHEN TOWNSHIP
CHESTER COUNTY, PA

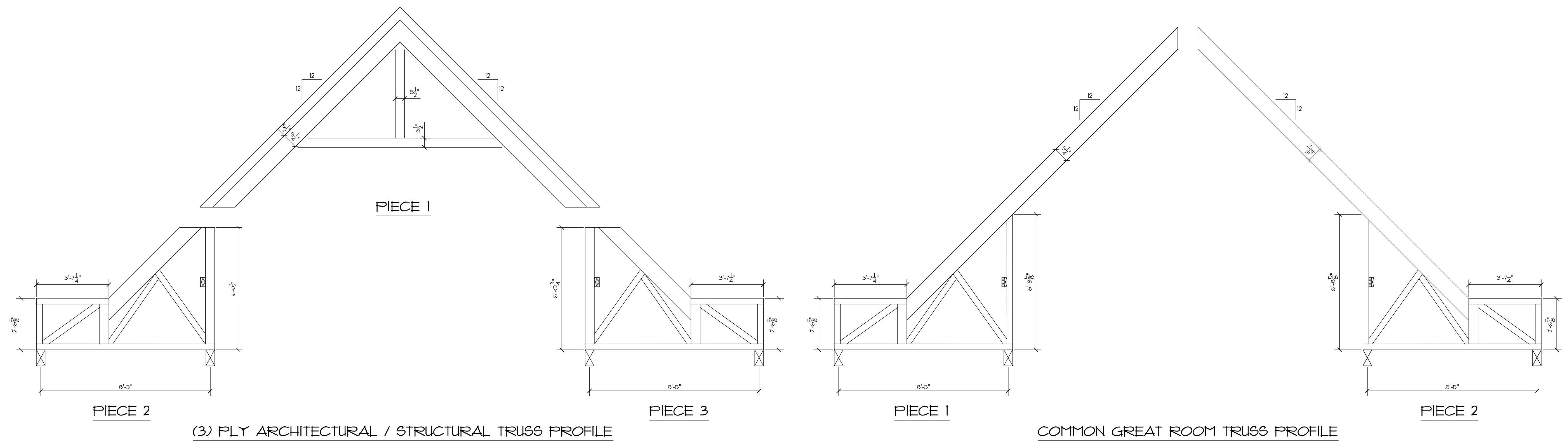
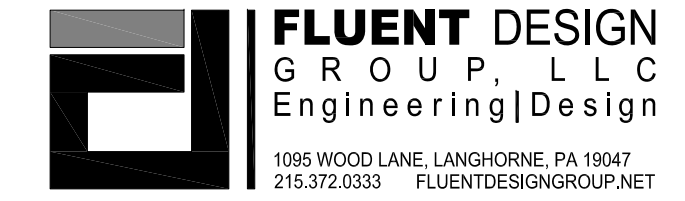
DRAWING NAME: STRUCTURAL FRAMING DETAILS

Project number: SFA-1905
date: 2020-09-04
scale: AS NOTED
sheet no.

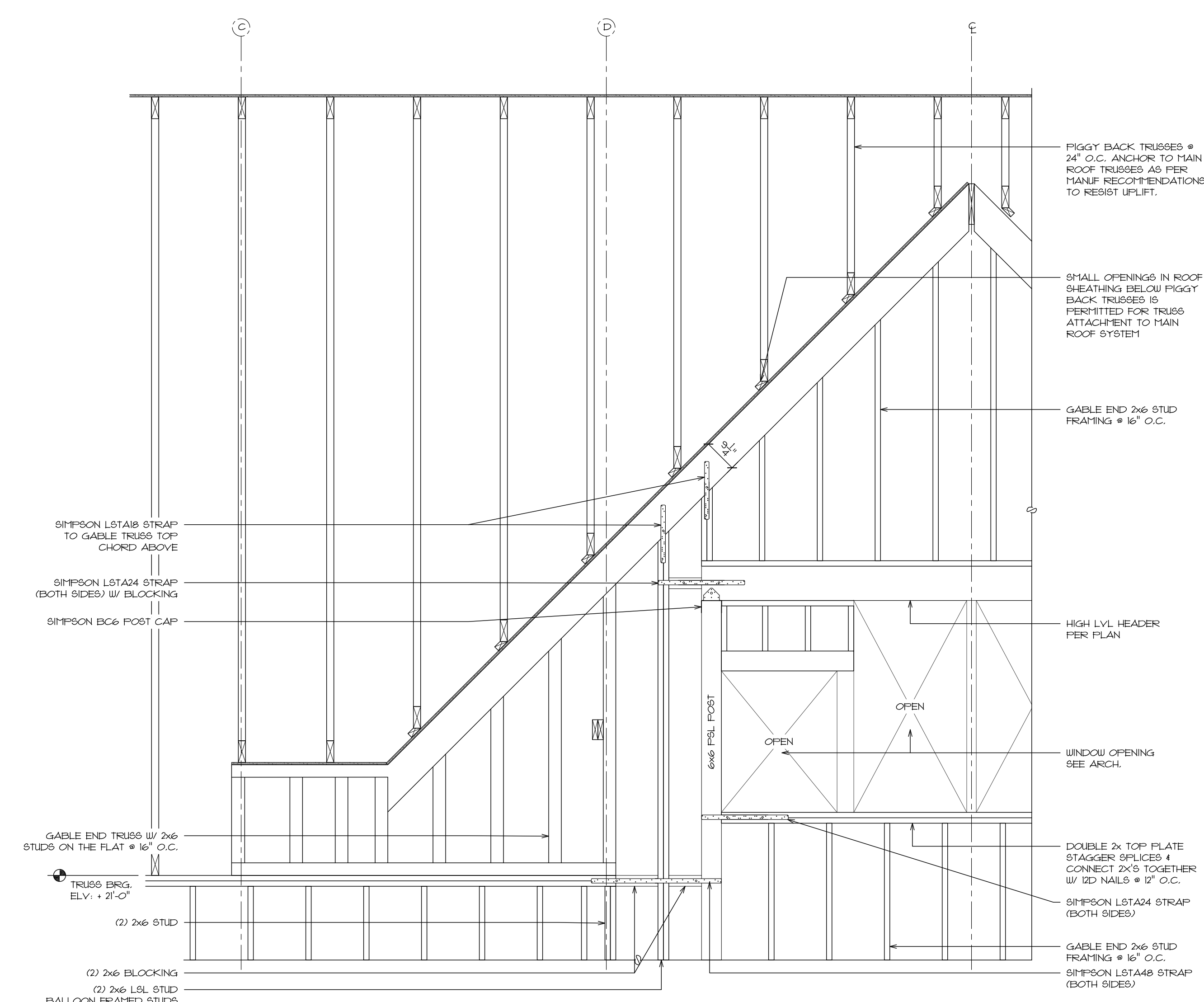
Drawn by: RCH
CHK'd by: RCH
approved by: RCH

S5.1

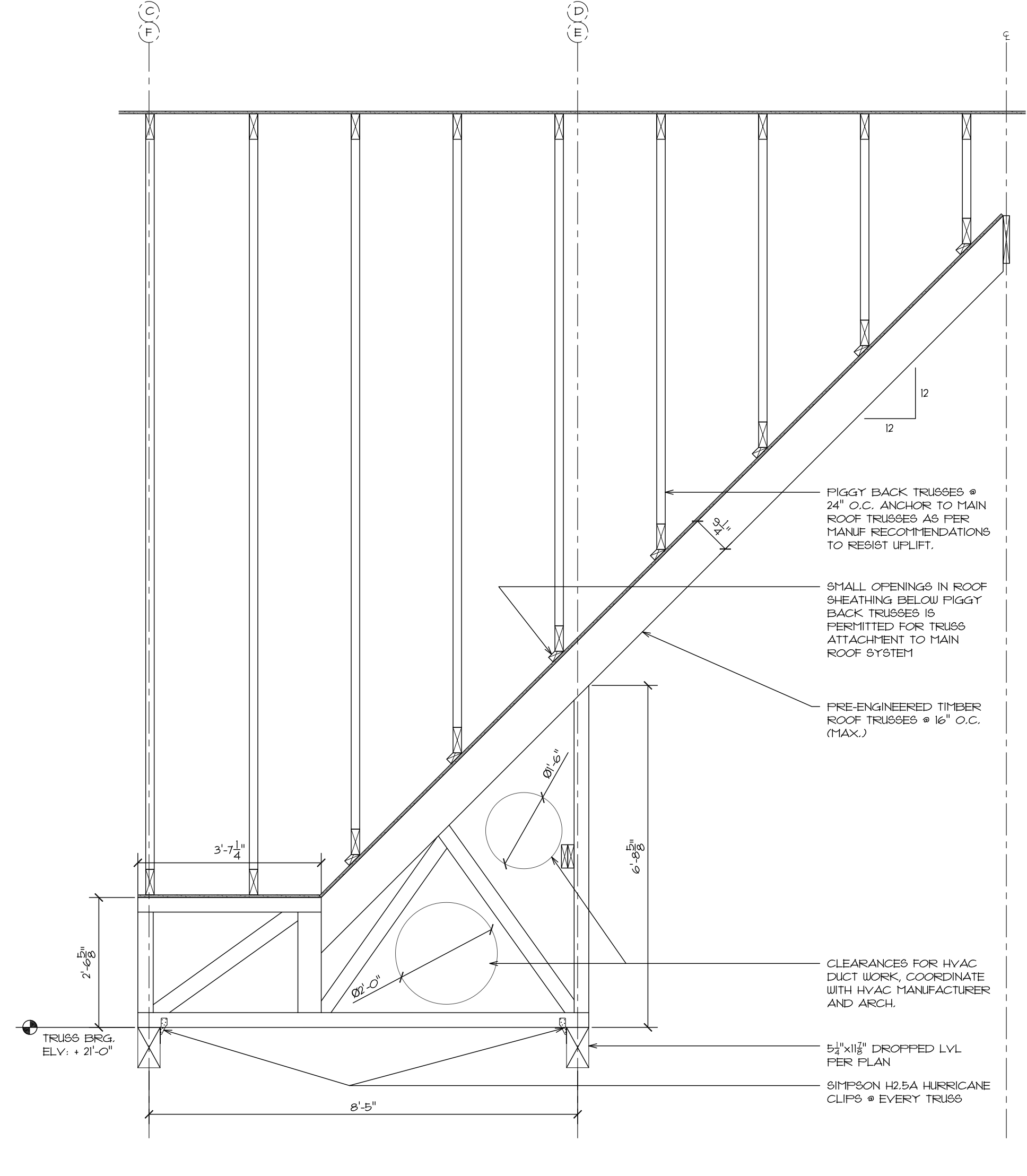
ISSUED FOR PERMIT - NOT FOR CONSTRUCTION



A GREAT ROOM TRUSS PROFILES SCALE 3/8" = 1'-0"



2 [PARTIAL] GREAT ROOM REAR GABLE END WALL ELEVATION DETAIL SCALE 1/2" = 1'-0"



1 GREAT ROOM TRUSS DETAIL SCALE 1/2" = 1'-0"

Table with columns: Date, No., Description, chkd by



WOODLANDS AT GREYSTONE SCUL THORPE DR. WEST GOSHEN TOWNSHIP CHESTER COUNTY, PA

Table with columns: Project number, date, scale, AS NOTED, sheet no., Drawn by, chkd by, approved by

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