

ACCESSORY BUILDING
22' X 48' = 1,056 SQ FT

DRAWING INDEX
S0 - PROJECT NOTES, SHEAR WALL SCHEDULE
S1 - ELEVATIONS
S2 - PLANS
S3 - SECTIONS, DETAILS

NAILING SCHEDULE		SHEAR WALL SCHEDULE		SHEAR WALL SCHEDULE		SHEAR WALL SCHEDULE	
		CALC. SHEAR LOAD (lb/ft)	ALLOW. SHEAR LOAD (lb/ft)			CALC. SHEAR LOAD (lb/ft)	ALLOW. SHEAR LOAD (lb/ft)
CHORD SPLICE NAILING: (8) 16d NAILS EACH SIDE OF SPLICE. TRUSS BLOCKING: (4) 16d (TOENAILED)							
FRAMING NAILING: STUD TO TOP PLATE, (2) 16d END NAIL STUD TO SILL PLATE, (2) 16d END NAIL OR (4) 8d TOENAIL DOUBLE HEADER 16d @ 16" OC ALONG EACH EDGE HEADER TO KING STUD (4) 8d TOENAIL OR (4) 16d END NAIL DOUBLE TOP PLATES, 16d @ 16" FACE NAIL		X	164	A		X	164
UNLESS SPECIFIED HEREIN, ALL NAILING SHALL BE PER 2021 IRC TABLE R602.3(1).				B			
UPLIFT TRANSFER: PROVIDE SIMPSON H2.5A AT EACH END OF TRUSSES.							150
PROVIDE 2X4 SOLID BLOCKING ON ALL UNSUPPORTED EDGES OF PLYWOOD ON SHEAR WALLS.							150
UNBLOCKED ROOF DIAPHRAGM ROOF SHEATHING NAILING: BORDER: 8d COMMON @ 6" OC EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC		X	164	C		X	164
END WALL SHEAR TRANSFER: SHEATHING AT END WALL LAPS TOP PLATE OF WALL BELOW. PROVIDE EDGE NAILING. REFERENCE END WALL ASSEMBLY/S3, OR BALLOON FRAME END WALLS.				D			
SIDING TESTED TO MEET THE REQUIREMENTS OF SECTION R703.1.1, EXCEPTION 2 OF THE 2021 IRC. REFER TO INTERTEK LETTER REPORT NO. 104417961MID-001R1.							150

WHEN PERFORATED SHEAR WALL DESIGN IS DESIGNATED, AREAS ABOVE AND BELOW OPENINGS ARE USED IN SHEAR CALCULATIONS. REFER TO ANSI/AWC SDPWS.

FASTENER EQUIVALENCY	
SIMPSON	USP
H2.5A	RT7A
SSTB16-SSTB36	STB16-STB36
HDU2-HDU5	PHD2A-PHD5A
HDU8	PHD8
LUS24-LUS210	JUS24-JUS210
LS30/LS50	MP3/MP5
LSTA9-LSTA24	LSTA9-LSTA24
A24	TDL5
H1	RT15
H3	RT3A
H6	LFTA6
H8	LTW12
H10	RT16A
PA51/PA68	TA51/TA71
ABA44/ABA66	PA44E/PA66E
BC4/BC6	C44/C66
A311	TDL10
HST2	KHST2
SDS1/4X3 SCREW	WS3
A34	MP34
A35	MPA1
CS18/CS22	RE200/RS300
HTT4/HTT5	HTT16/HTT22
CMSTC16	CMSTC16

PROJECT NOTES

- DESIGN REQUIREMENTS
GOVERNING CODES: 2021 IRC
OCCUPANCY GROUP: GROUP U
CONSTRUCTION TYPE: V-B
RISK CATEGORY: II
- DESIGN SCHEDULE
A. BUILDING SIZE
WIDTH: 22'-0"
LENGTH: 48'-0"
SIDE WALL HEIGHT: 10'-1 1/8"
TOTAL HEIGHT: 15'-6 1/4"
B. ROOF PITCH: 5/12
C. BUILDING LOADS
GROUND SNOW LOAD, P_g: 57 PSF
C_e: 1.00
C_i: 1.20
I_e: 1.00
C_s: 1
ROOF SNOW LOAD, P_s: 40 PSF
ROOF LIVE LOAD: 20 PSF
ROOF DEAD LOAD: 10 PSF
D. DESIGN WIND
BASIC WIND SPEED, V: 130 MPH
WIND EXPOSURE: C
E. SEISMIC DESIGN CATEGORY: B
F. SITE CLASS: D
- ROOFING SCHEDULE
A. ROOF SHEATHING SHALL BE APA RATED 7/16" THICK OSB WITH FOIL BACKING, 24/16 RATED MIN., UNBLOCKED DIAPHRAGM. STAGGER LAYOUT PER APA CONDITION 1.
B. SHEATHING NAILING SHALL BE PER NAILING SCHEDULE.
C. LIFETIME DIMENSIONAL ASPHALT SHINGLES (U.N.O.).
D. GAF FELTBUSTER.
E. TYPE 'D' METAL DRIP EDGE FLASHING REQUIRED ALL SIDES.
F. TRUSSES SHALL BE SPACED @ 24" O.C.
G. SEE SEPARATE TRUSS SHEETS FOR TRUSS FRAMING AND MATERIALS.
H. TRUSSES MUST BE BRACED ACCORDING TO THE LATEST EDITION OF THE BUILDING COMPONENT SAFETY INFORMATION "GUIDE TO GOOD PRACTICE OF METAL PLATE CONNECTED WOOD TRUSSES" (BCSI)
I. TRUSS CONNECTION PLATES 'EAGLE METAL PLATES'.
J. THE TRUSS PLATE INSTITUTE (TPI) (NER QA 430) IS THE INSPECTION AGENCY RESPONSIBLE FOR IN-PLANT INSPECTIONS.
K. TRUSS MANUFACTURER: TUFF SHED, INC.
- WOOD FRAMING
A. ALL HEADERS ARE SPF #2 (U.N.O.).
B. ALL WALL FRAMING MEMBERS SHALL BE SPF STUD GRADE OR BETTER.
C. STUDS SHALL BE SPACED @ 16" O.C.
D. FASTEN EXTERIOR WALL SHEATHING TO FRAMING PER NAILING SCHEDULE.
E. PROVIDE SOLID BLOCKING AT ALL HORIZONTAL JOINTS OCCURRING IN BRACED WALL PANELS.
F. SHEAR WALL MATERIAL AND NAILING SHALL BE AS SPECIFIED IN SHEAR WALL SCHEDULE.
G. LAMINATED VENEER LUMBER (LVL) SHALL BE LVL 2.0E-2600 F_v WITH THE FOLLOWING MIN. DESIGN VALUES: F_v = 2600 PSI, F_t = 1555 PSI, F_c = 285 PSI, F_{ci} = 2510 PSI, F_{cl} = 750 PSI, E = 2.0 x 10⁶ PSI, SG = 0.50
- SOIL
A. MIN. REQUIRED SOIL TYPE SHALL BE CLAY, SANDY CLAY, SILTY CLAY, OR CLAYEY SILT (CL, ML, MH & CH). PRESCRIPTIVE ALLOWABLE SOIL BEARING PRESSURE USED IN DESIGN IS 1500 PSF AT 12" DEEP. VALUES ARE PER TABLE R401.4.1.
B. ALL FOOTINGS SHALL BE FOUNDED ON UNDISTURBED NATURAL SOIL.
C. IN THE EVENT OF THE DISCOVERY OF EXPANSIVE SOILS OR UNFAVORABLE CONDITIONS, THE SERVICES OF A SOILS ENGINEER MAY BE REQUIRED.
- PERMIT
A. PERMIT APPLICATIONS, WHERE NO PERMIT IS ISSUED, SHALL EXPIRE PER LIMITATIONS SET BY LOCAL CODES. SECTION R105.
B. JOB CARD REQUIRED TO BE AVAILABLE FOR SIGNATURE AT JOB SITE
- GENERAL NOTES
A. INSTALLATION PROCEDURES SHALL CONFORM TO OSHA STANDARDS, UTILITIES, ETC.
B. BUILDER IS RESPONSIBLE FOR SAFETY OF BUILDING DURING CONSTRUCTION. PROVIDE ALL SHORING OR BRACING AS REQUIRED AND PER GOVERNING REGULATIONS.
C. ALL WOOD CONSTRUCTION CONNECTORS REFERENCED IN THIS DRAWING SHALL BE SIMPSON 'STRONG-TIE' OR EQUIVALENT INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
D. GREEN VINYL SINKER NAILS DO NOT MEET THE NAILING REQUIREMENTS OF COMMON NAILS.
- MATERIAL EVALUATION REPORT IDENTIFICATION
A. TRUSS CONNECTION PLATES BY EAGLE METAL PLATES PER ICC-ES REPORT #ESR-1082.
B. SMARTSIDE SIDING BY LP CORPORATION PER ICC-ES REPORT #ESR-1301.
C. HARDIE PANEL SIDING BY JAMES HARDIE BUILDING PRODUCTS PER ICC-ES REPORT #ESR-1844.
D. HARDIE PLANK LAP SIDING BY JAMES HARDIE BUILDING PRODUCTS PER ICC-ES REPORT #ESR-2290.
E. LAMINATED VENEER LUMBER (LVL) BY WEYERHAEUSER PER ICC-ES REPORT #ESR-1387.
F. ASPHALT SHINGLES BY GAF PER ICC-ES REPORT #ESR-1475.
G. FELTBUSTER ROOFING UNDERLAYMENT BY GAF PER ICC-ES REPORT #ESR-2808.
H. HDU PRE-DEFLECTED HOLD-DOWNS BY SIMPSON STRONG-TIE PER ICC-ES REPORT #ESR-2330.
I. SSTB ANCHOR BOLTS BY SIMPSON STRONG-TIE PER ICC-ES REPORT #ESR-2611.

PRELIMINARY -
NOT FOR
CONSTRUCTION

STRUCTURAL DRAWINGS BY:
TUFF SHED
IN HOUSE DRAFTING
DEPARTMENT
1777 S. HARRISON STREET
DENVER, COLORADO 80210
(303) 753-TUFF

SO # 2020689 EP # 18840
Customer: CAROL PRESCICCI
Description: ACCESSORY BUILDING 22' X 48' = 1,056 SQ FT
Site Address: 9595 HARDIN RD, COLORADO SPRINGS, CO 80908

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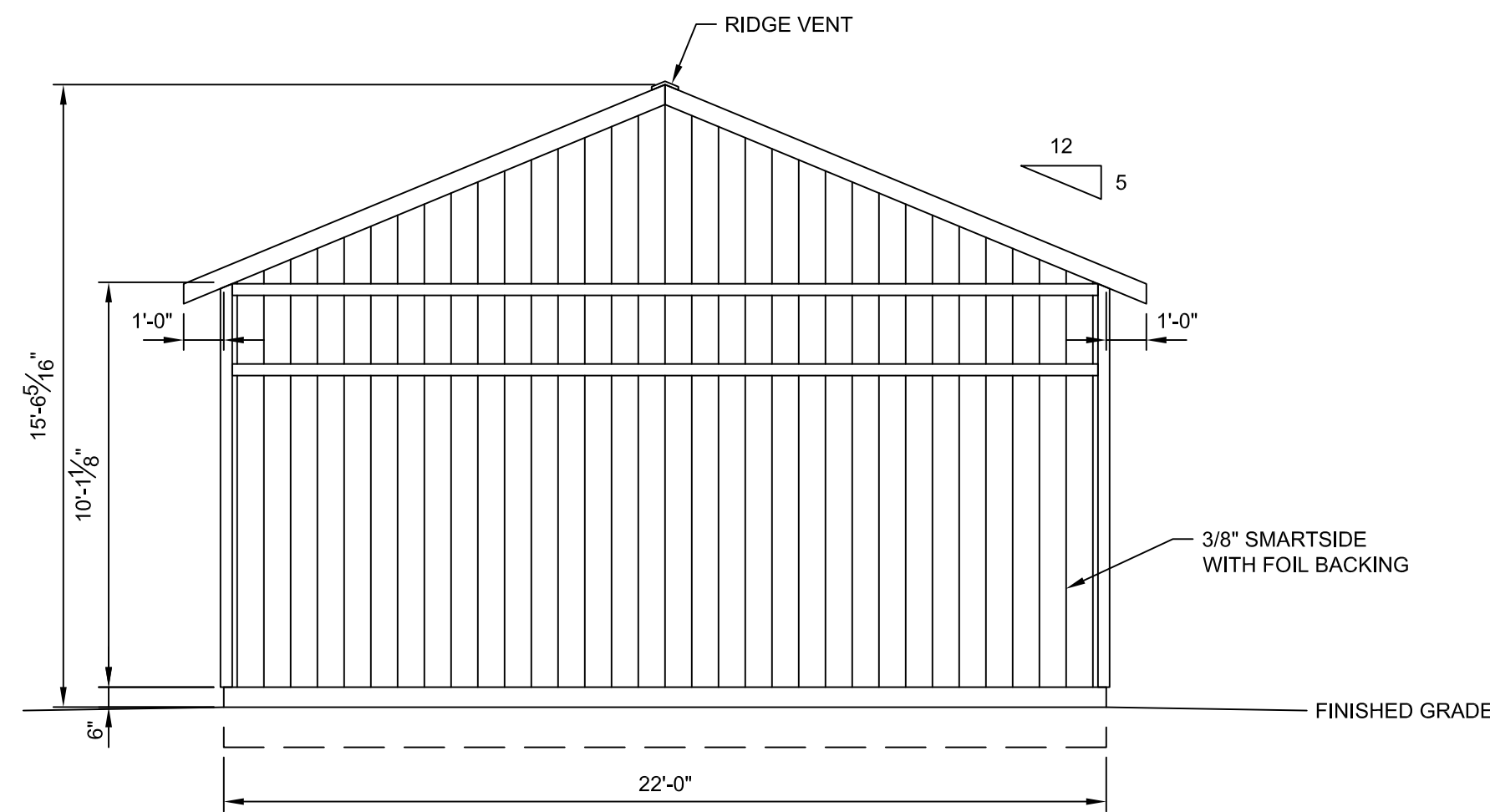
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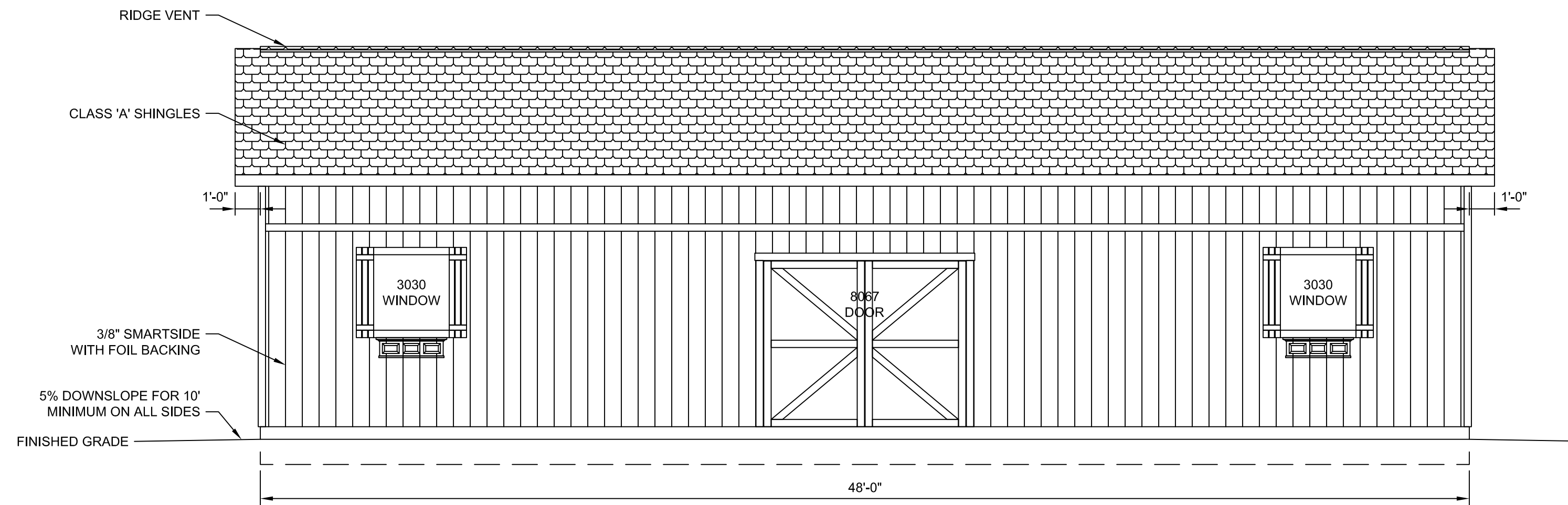
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PROJECT NOTES
SHEAR WALL SCHED
NAILING SCHEDULE

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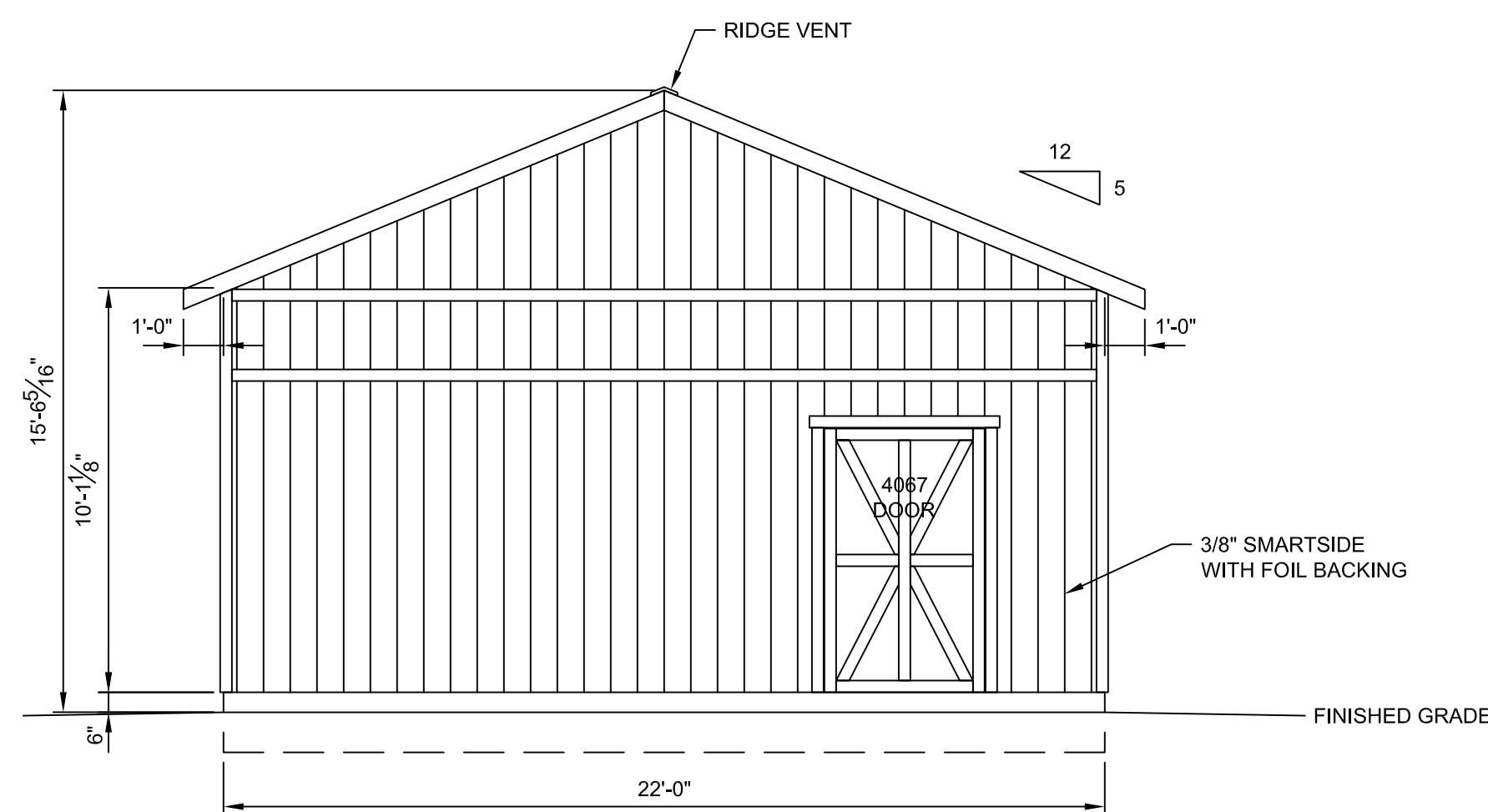
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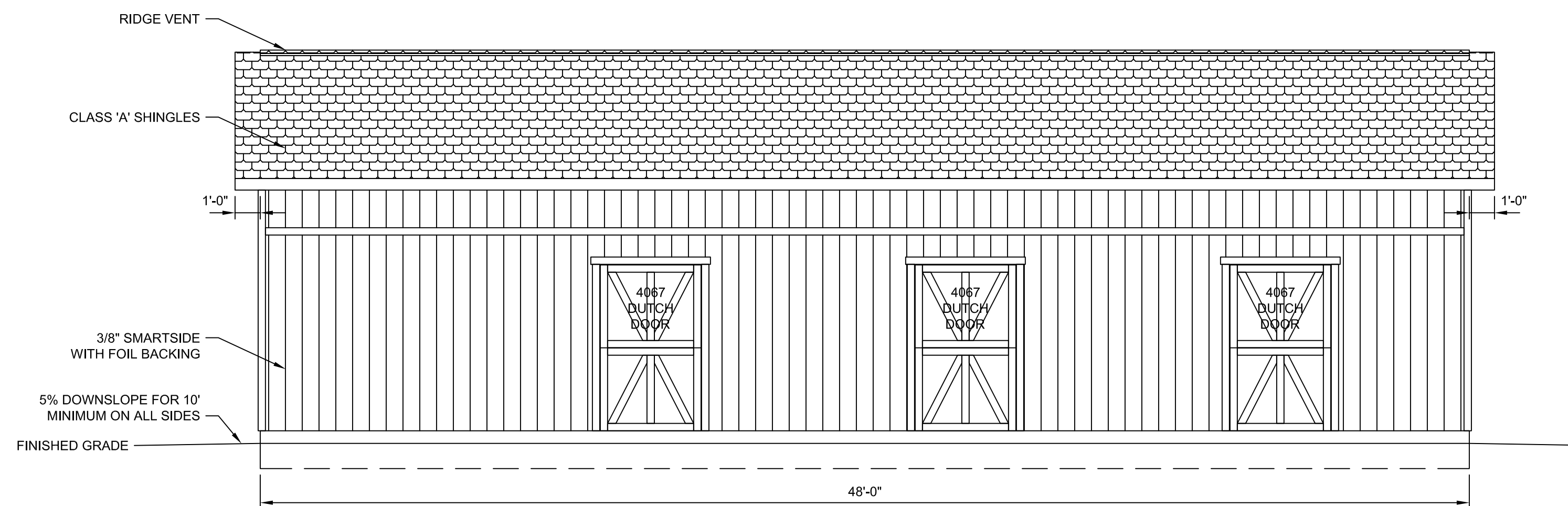
WALL A ELEVATION



WALL B ELEVATION



WALL C ELEVATION



WALL D ELEVATION

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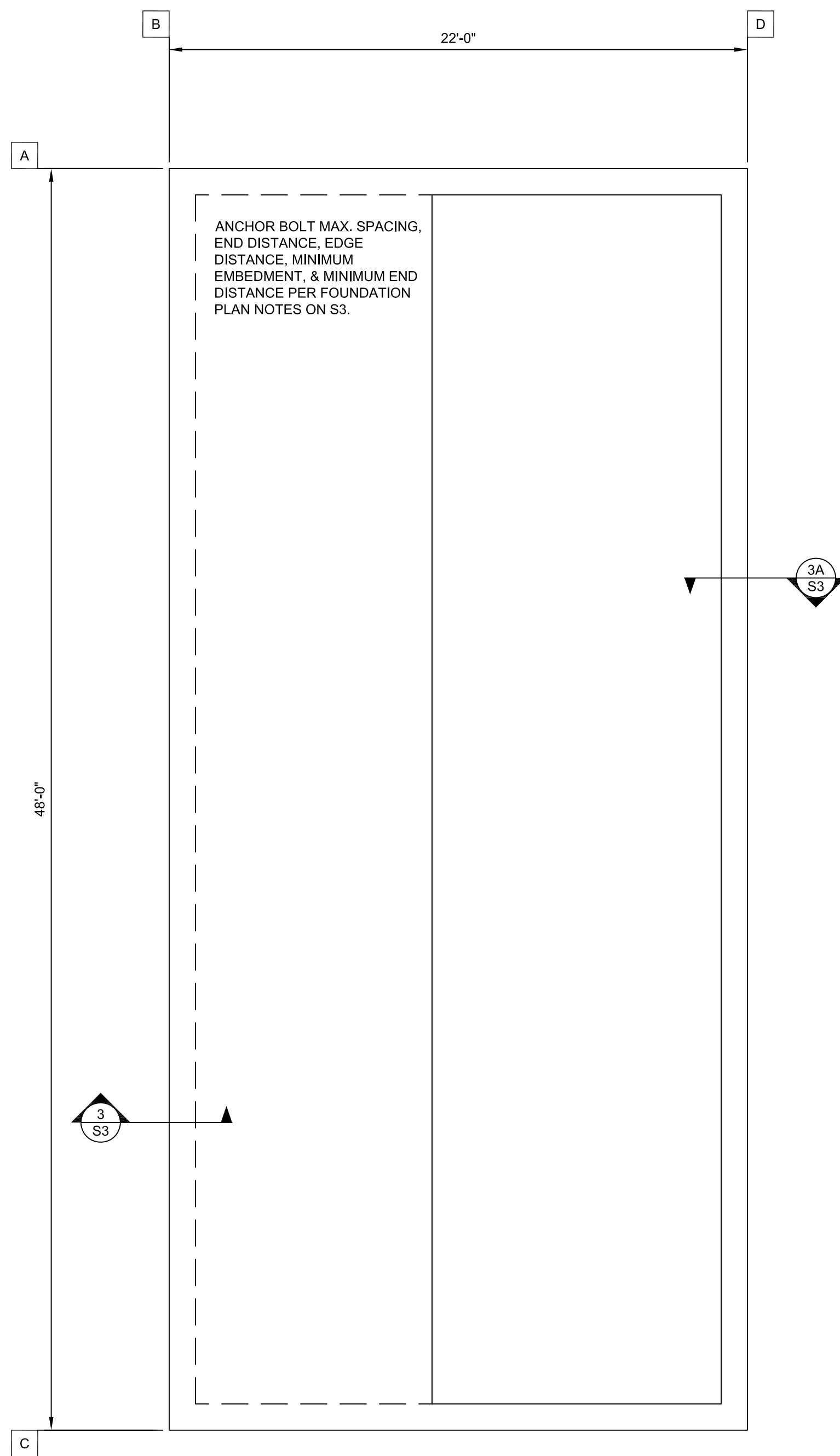
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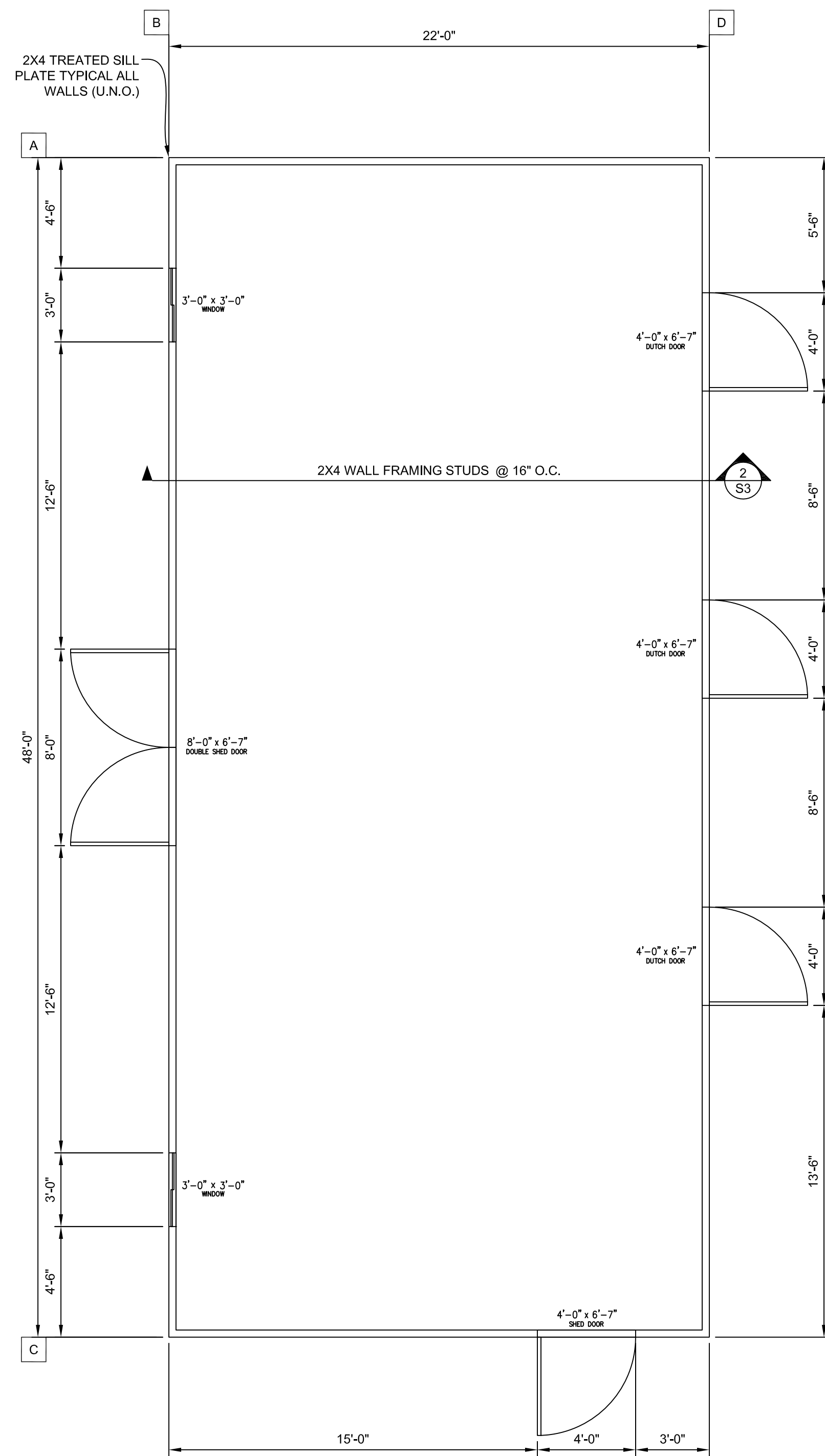
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ELEVATIONS

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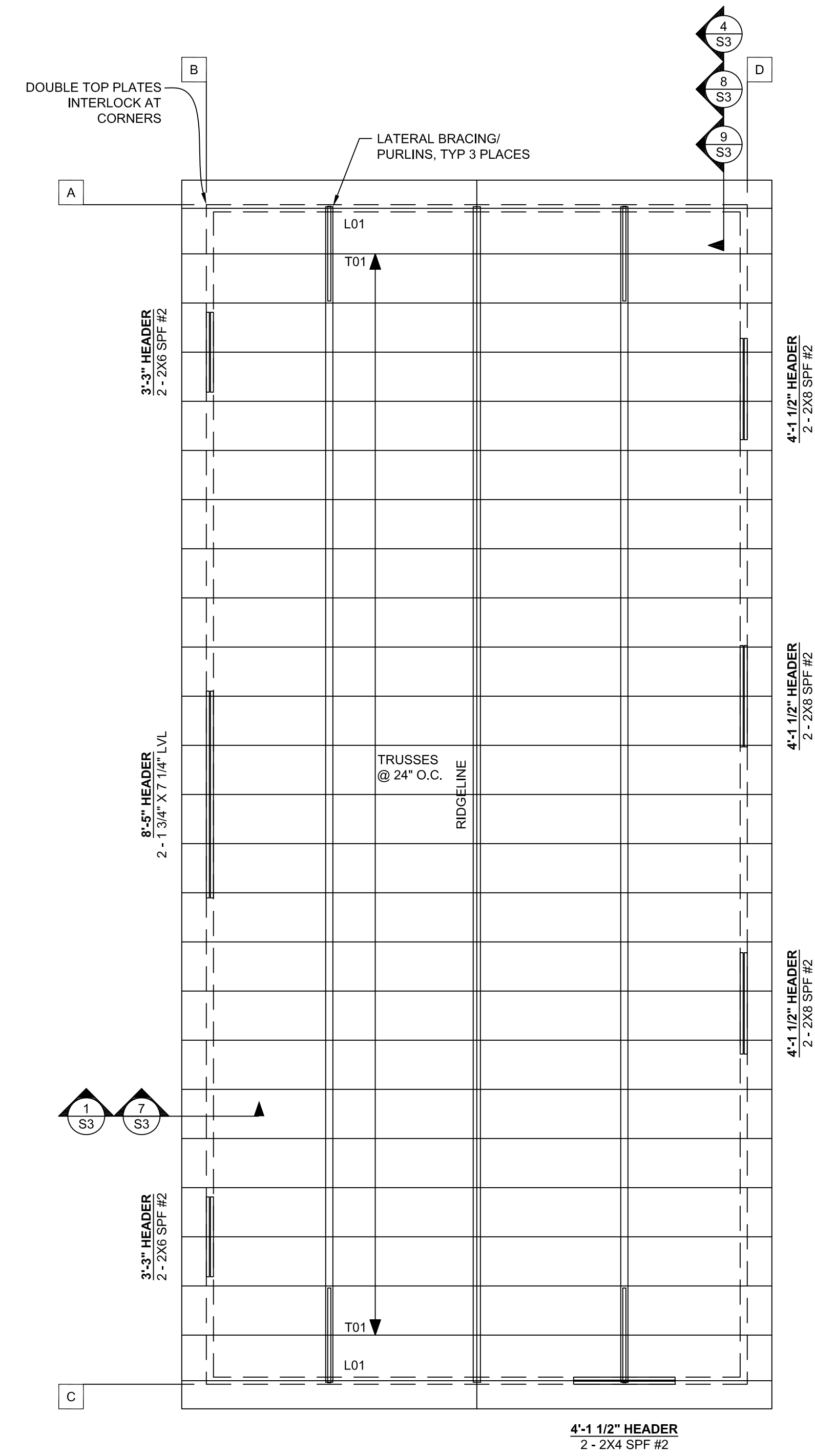
S1



FOUNDATION PLAN



FLOOR PLAN



ROOF FRAMING PLAN

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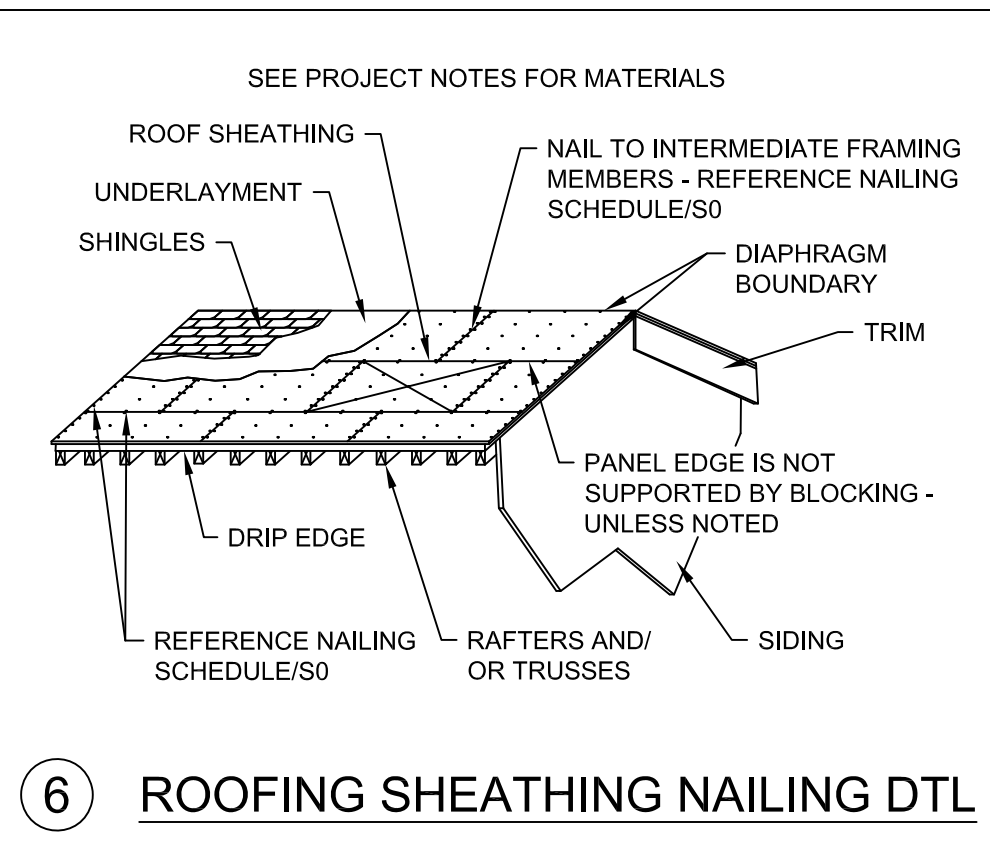
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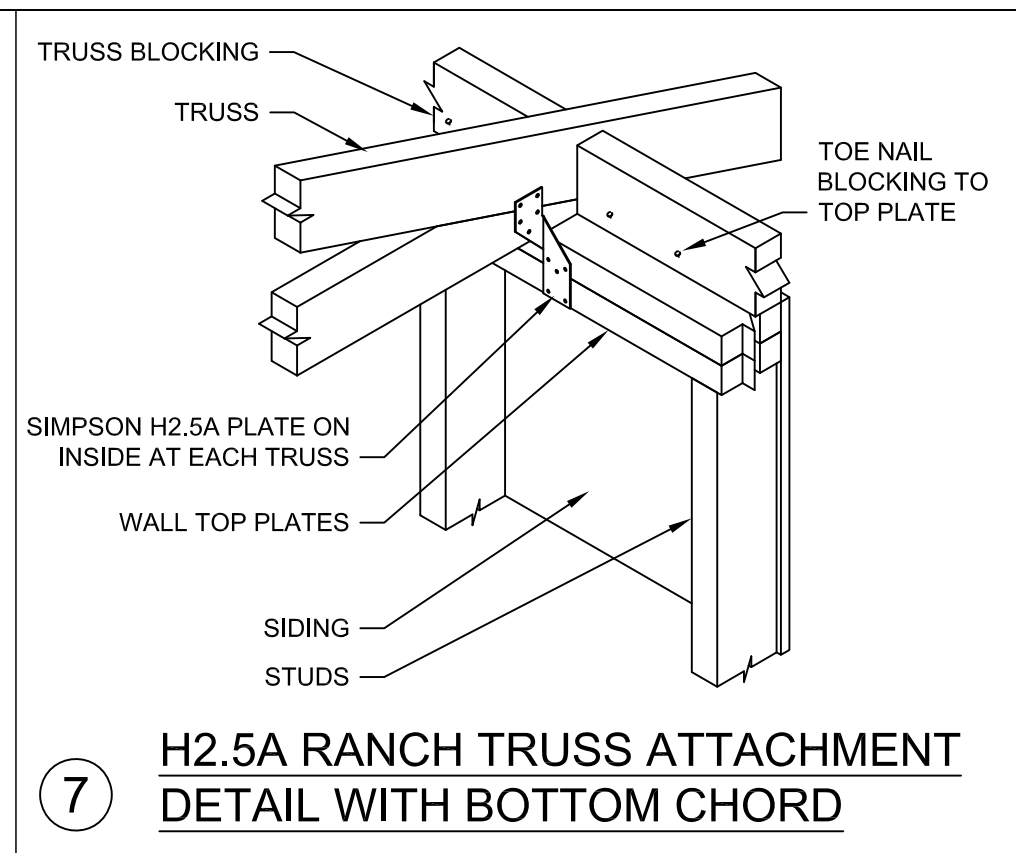
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PLANS

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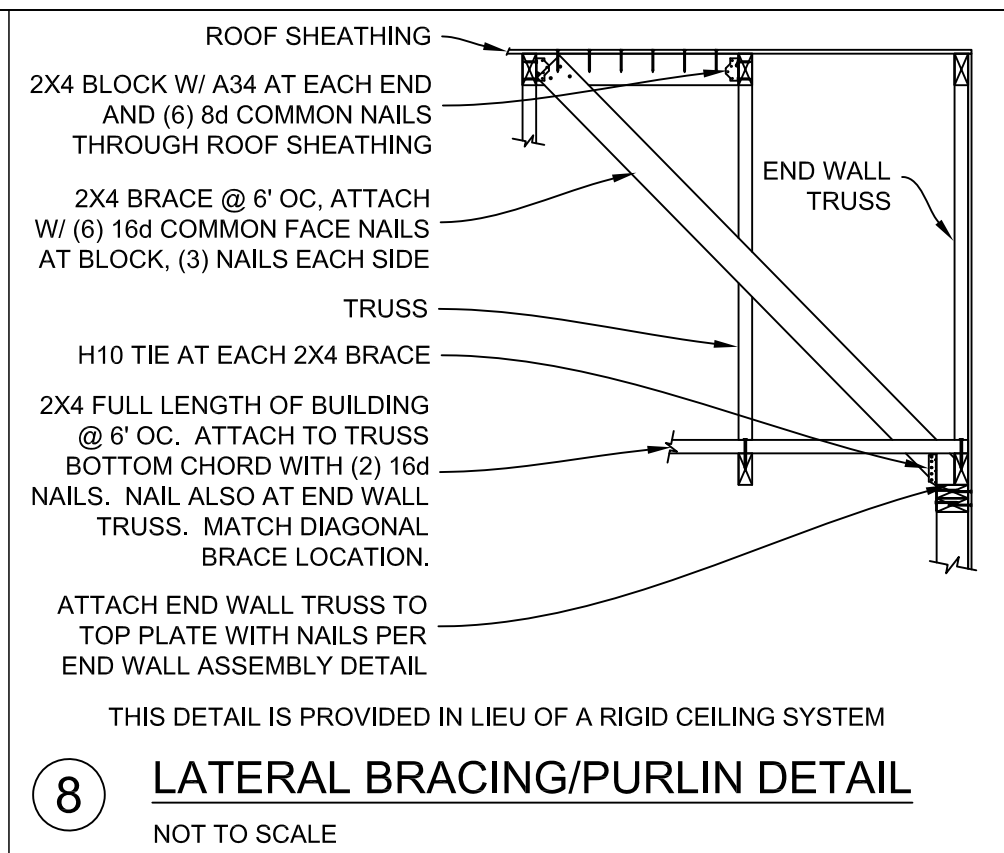
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Sheet 3 of 4



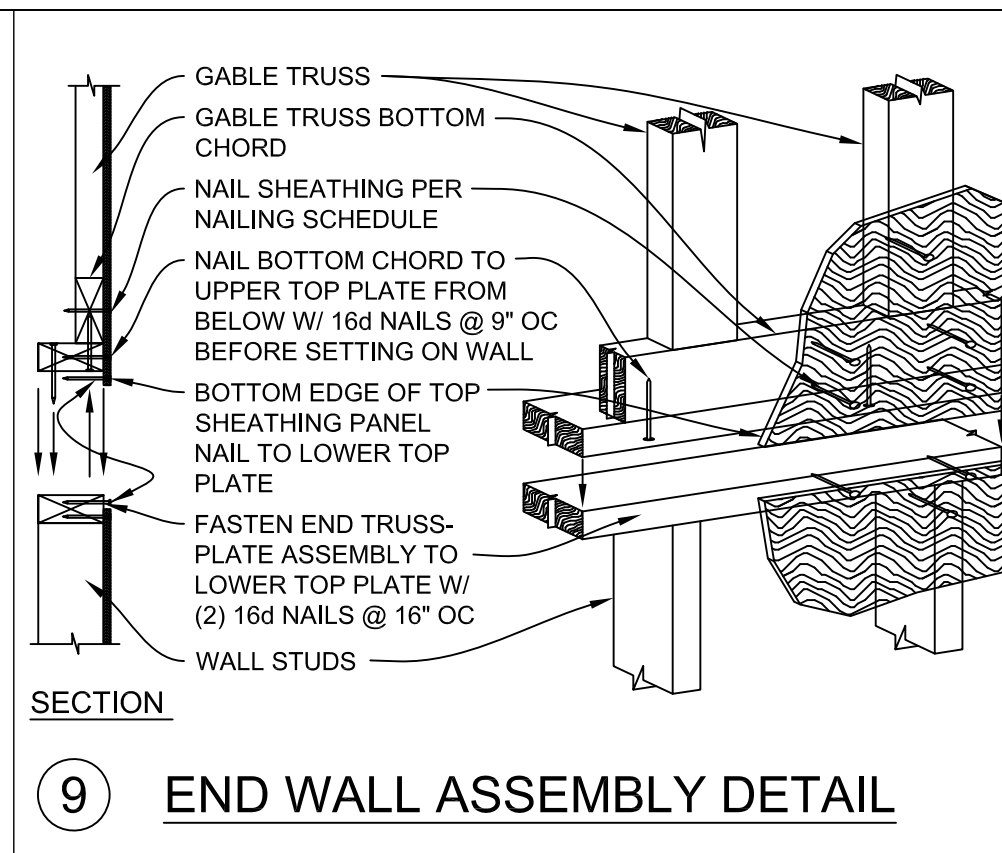
6 ROOFING SHEATHING NAILING DTL



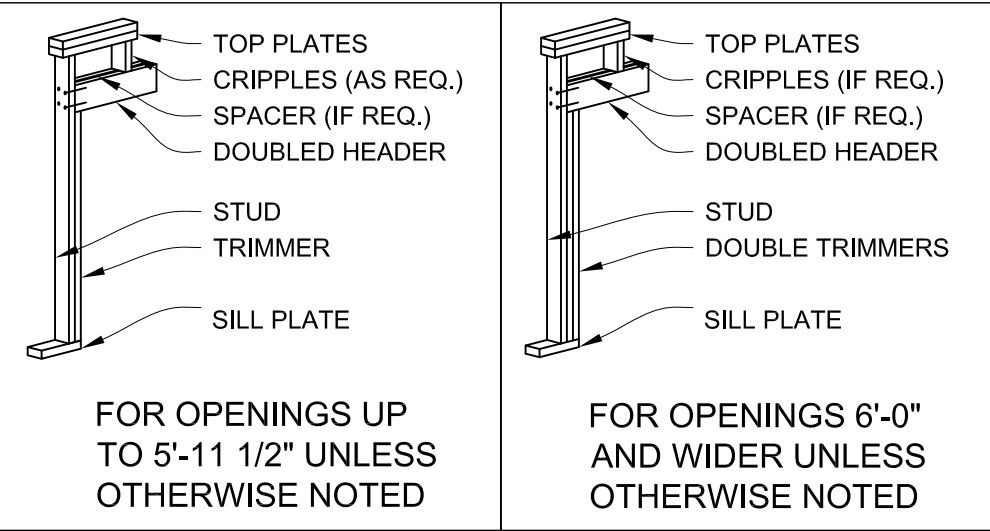
7 H2.5A RANCH TRUSS ATTACHMENT DETAIL WITH BOTTOM CHORD



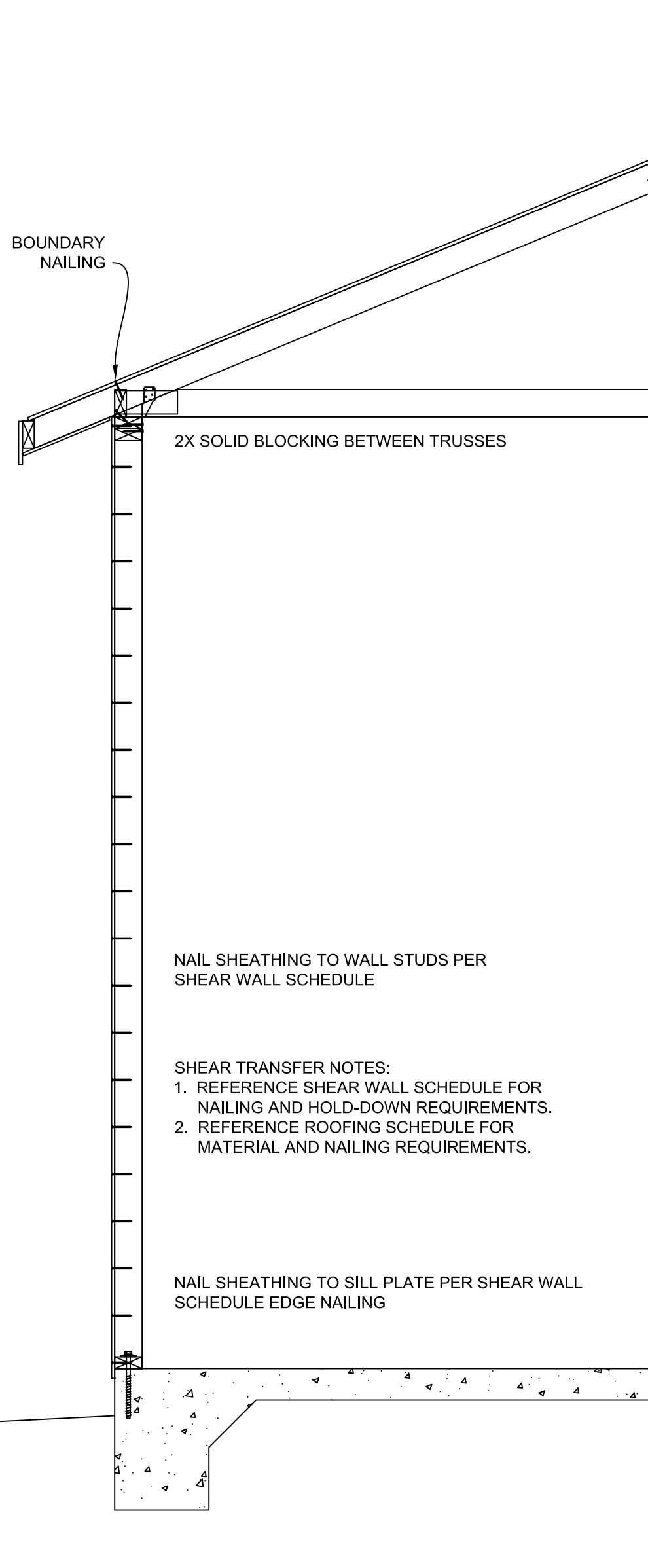
8 LATERAL BRACING/PURLIN DETAIL NOT TO SCALE



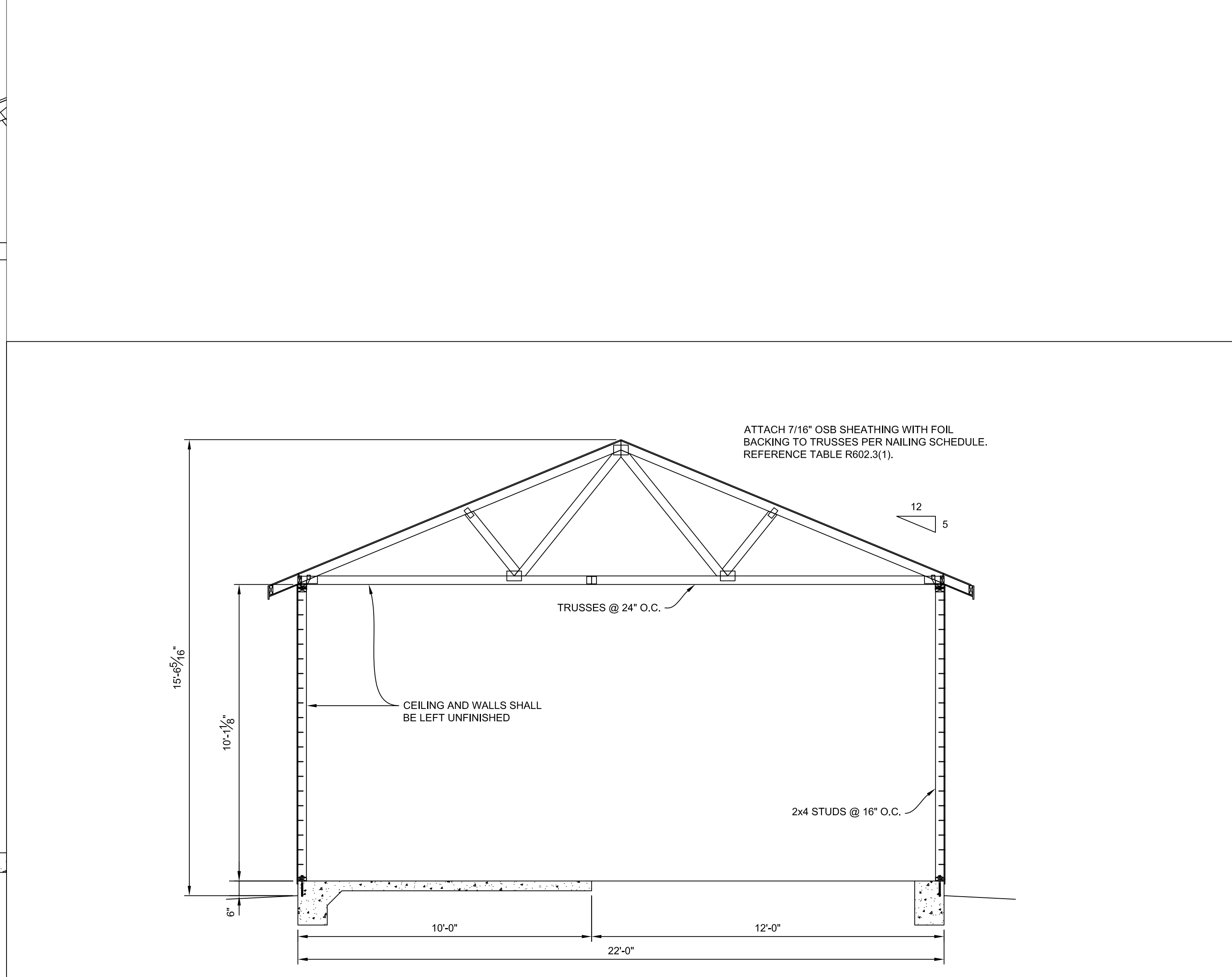
9 END WALL ASSEMBLY DETAIL



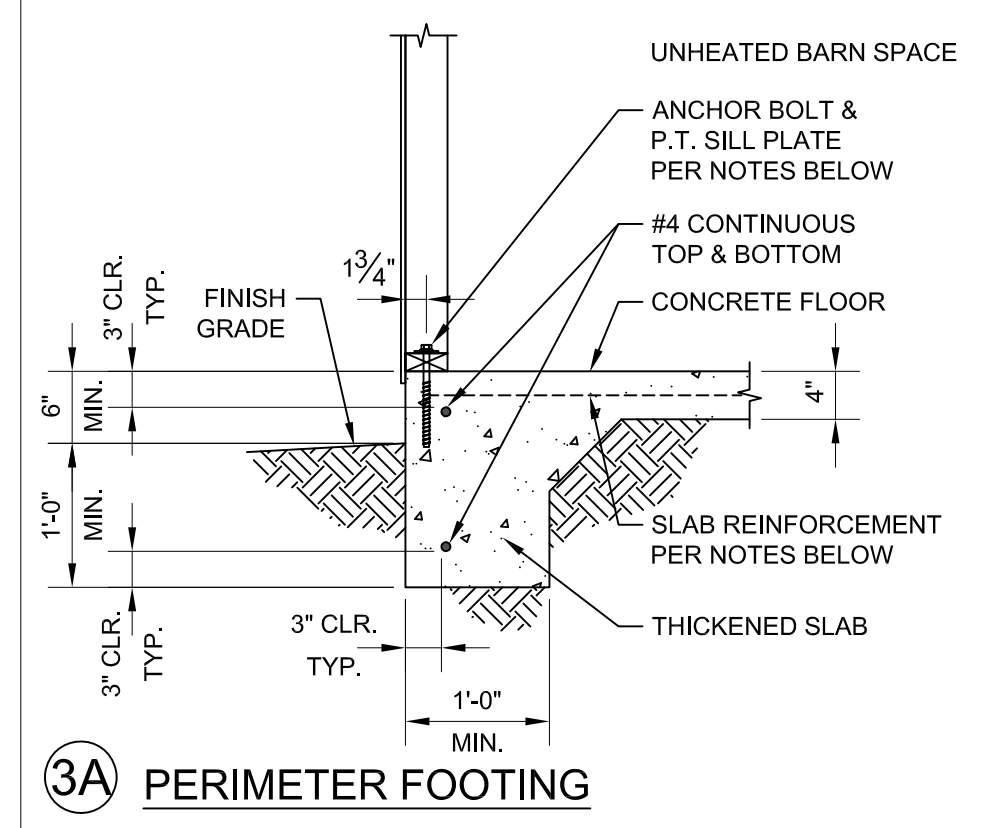
5 HEADER DETAIL NOT TO SCALE



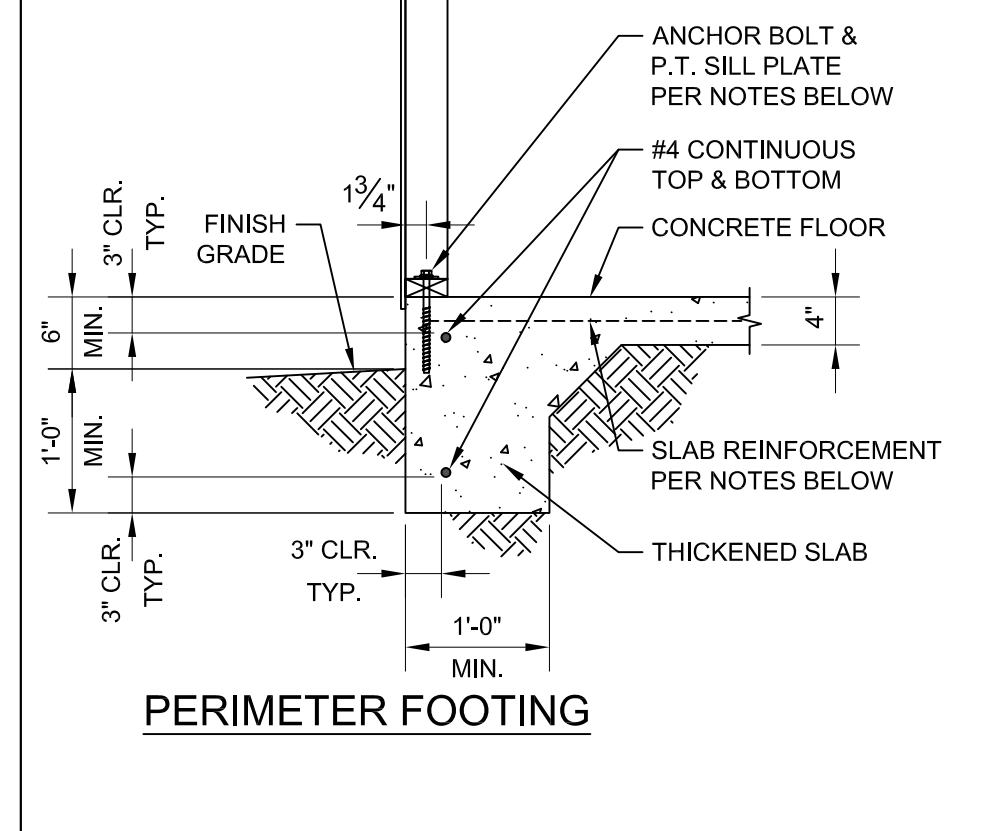
1 SHEAR TRANSFER DETAIL 3/4" = 1'-0"



2 BUILDING SECTION 3/8" = 1'-0"



3A PERIMETER FOOTING

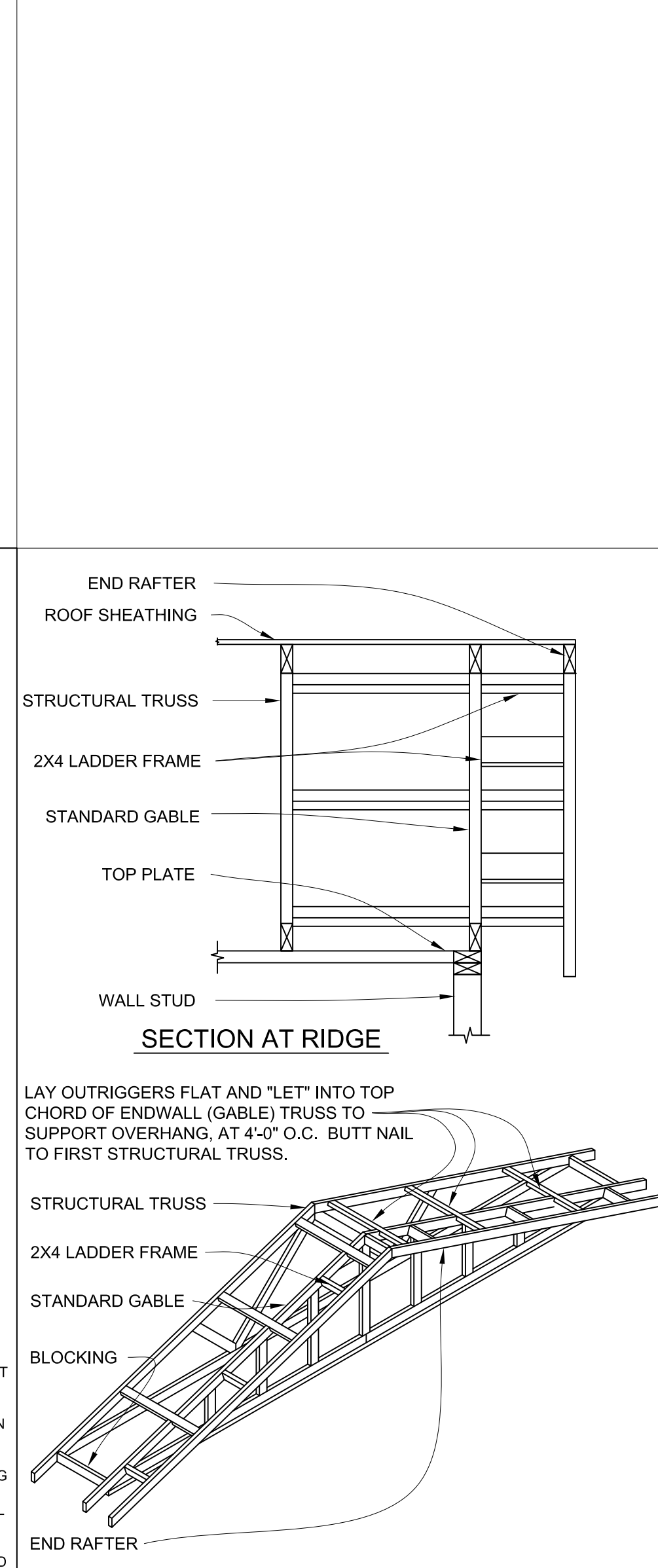


PERIMETER FOOTING

CONTINUOUS FOOTING NOTES

- TOP OF CONCRETE TO BE 6" MIN. ABOVE GRADE. SLAB REINFORCEMENT SHALL BE W/F 6X6 W/10X10 PER ASTM A185. LOCATE AT MID-DEPTH OF SLAB.
- SLAB REINFORCEMENT SHALL BE FIBERMESH 150 OR BLENDED FIBERMESH150. FIBERMESH SHOULD BE DISPERSED UNIFORMLY THROUGH CONCRETE W/ MIN. 1 POUND PER CUBIC YARD OF CONCRETE.
- ALL FOOTING FORMS SHALL BE INSPECTED FOR SIZE AND REINFORCING BEFORE POURING CONCRETE.
- FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL, COMPETENT SOIL OR PROPERLY COMPACTED STRUCTURAL FILL. ALLOWABLE SOIL BEARING PRESSURE IS 1500 PSF AT 12" BELOW GRADE.
- CONCRETE: MINIMUM 28 DAY COMPRESSIVE STRENGTH, $f_c = 2500$ PSI.
- REINFORCING STEEL: A816, GRADE 40 OR GRADE 60. ALL REINFORCING STEEL SHOWN TO BE CONTINUOUS MAY BE LAPPED A MINIMUM OF 38 BAR DIAMETERS OR 24".
- SEISMIC DESIGN CATEGORY: B
 - ATTACH PRESSURE TREATED SILL PLATE TO THE FOOTING USING 1/2" DIA X 8" LONG TITEN BOLTS WITH WASHERS.
 - ANCHOR BOLTS SHALL BE EMBEDDED AT LEAST 6" INTO THE CONCRETE AND SHALL BE SPACED NOT MORE THAN 6" OC.
 - THERE SHALL BE A MINIMUM OF 2 BOLTS PER SILL PLATE PIECE WITH 1 BOLT LOCATED NOT MORE THAN 12" NOR LESS THAN 7" BOLT DIAMETERS FROM EACH END OF EACH PIECE.

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



4 CANTILEVERED LADDER FRAME OVERHANG DETAIL

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SECTIONS DETAILS
Scale: NONE
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