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PROPOSED ADDITION

BERGER RENOVATION

1005 Sunset Valley Drive
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 @comcast.net

ISSUE DATE

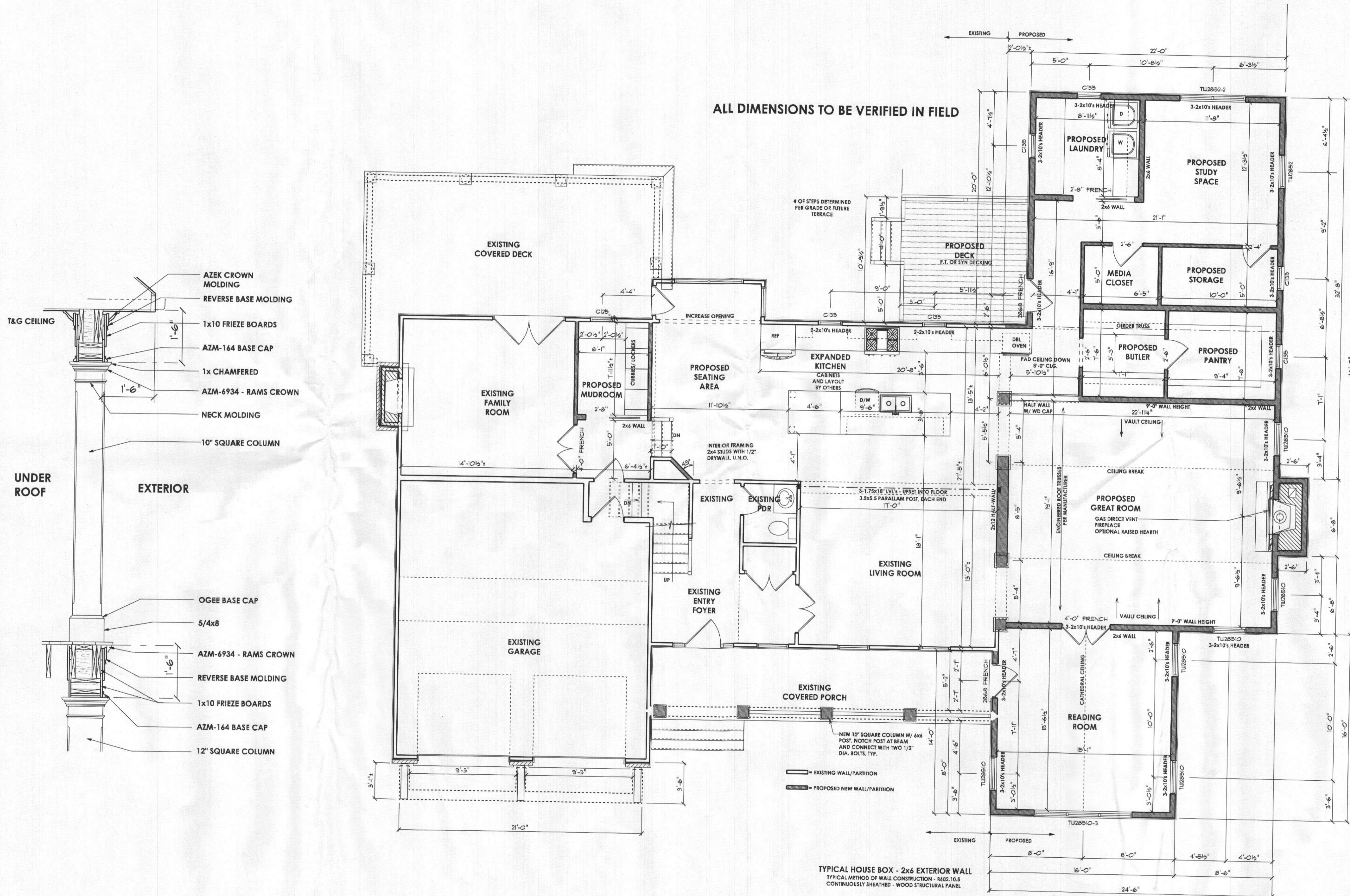
▲	7-14-20	PERMIT SET
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SCALE: 1/4" = 1'-0"

1ST FLOOR

3.01

PRINT DATE:
 Saturday, March 6, 2021



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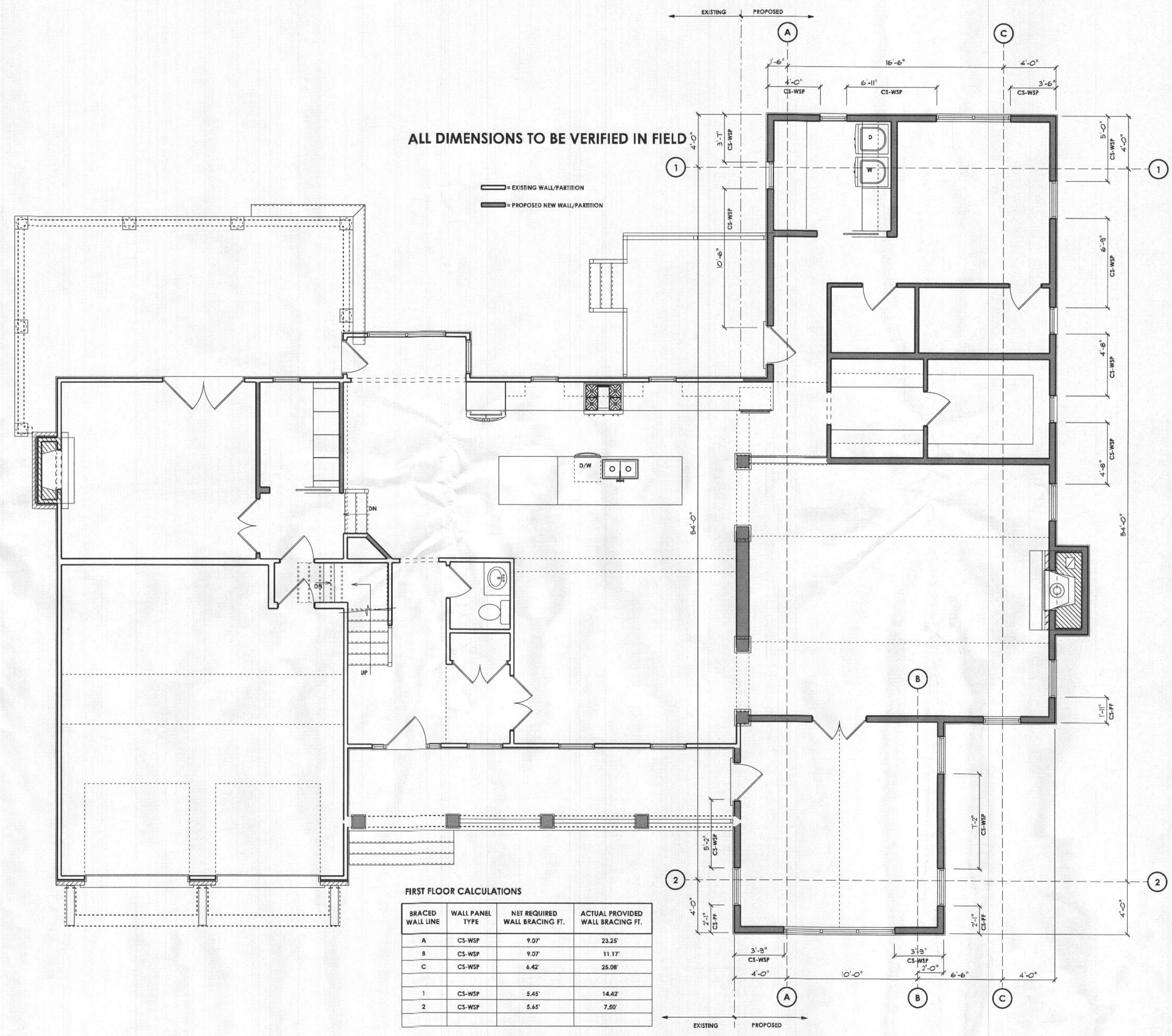
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ISSUE DATE
 7-16-20 PERMIT SET

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

BRACING
3.51
 PRINT DATE:
 Saturday, March 6, 2021



FIRST FLOOR CALCULATIONS

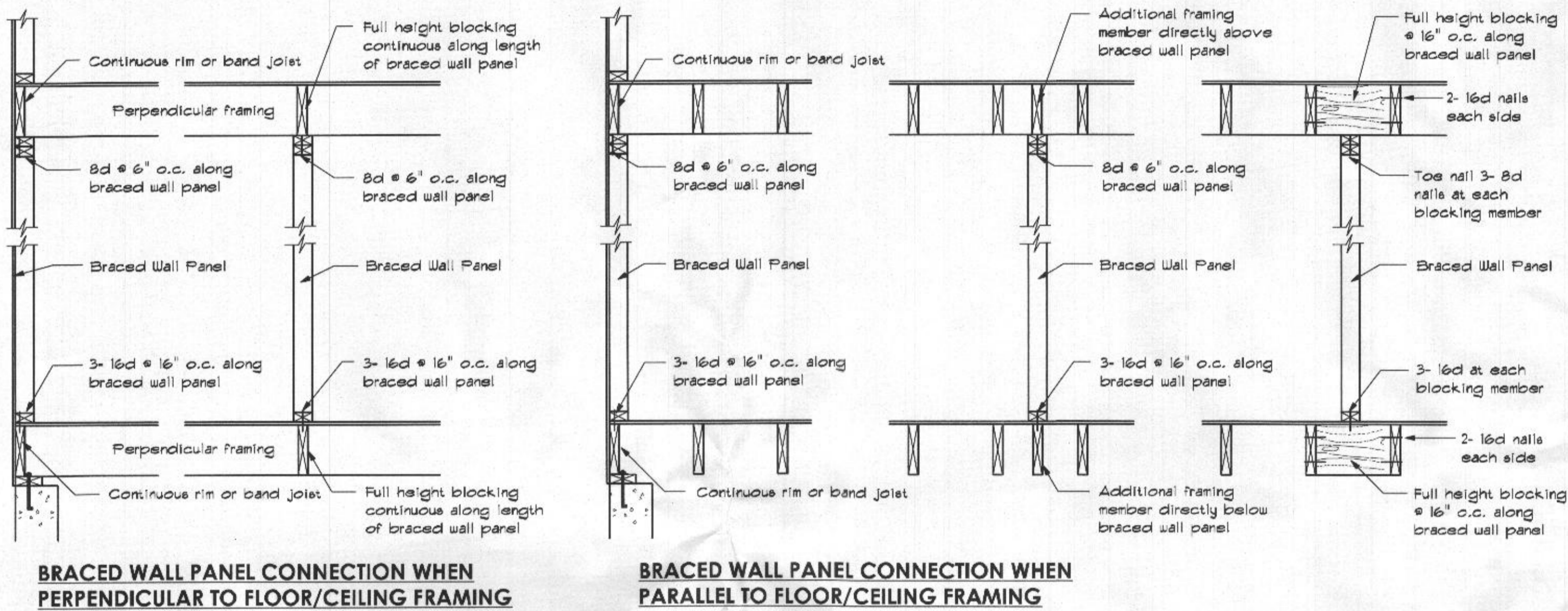
BRACED WALL LINE	WALL PANEL TYPE	NET REQUIRED WALL BRACING FT.	ACTUAL PROVIDED WALL BRACING FT.
A	CS-WSP	9.07'	23.25'
B	CS-WSP	9.07'	11.17'
C	CS-WSP	6.42'	25.08'
1	CS-WSP	5.45'	14.42'
2	CS-WSP	5.45'	7.50'

NOTES

Methods WSP & CS-WSP: Min. 7/16" OSB Wood Structural Panel sheathing attached to framing with 6d at 6" o.c. at panel edges and 12" o.c. at intermediate framing members.

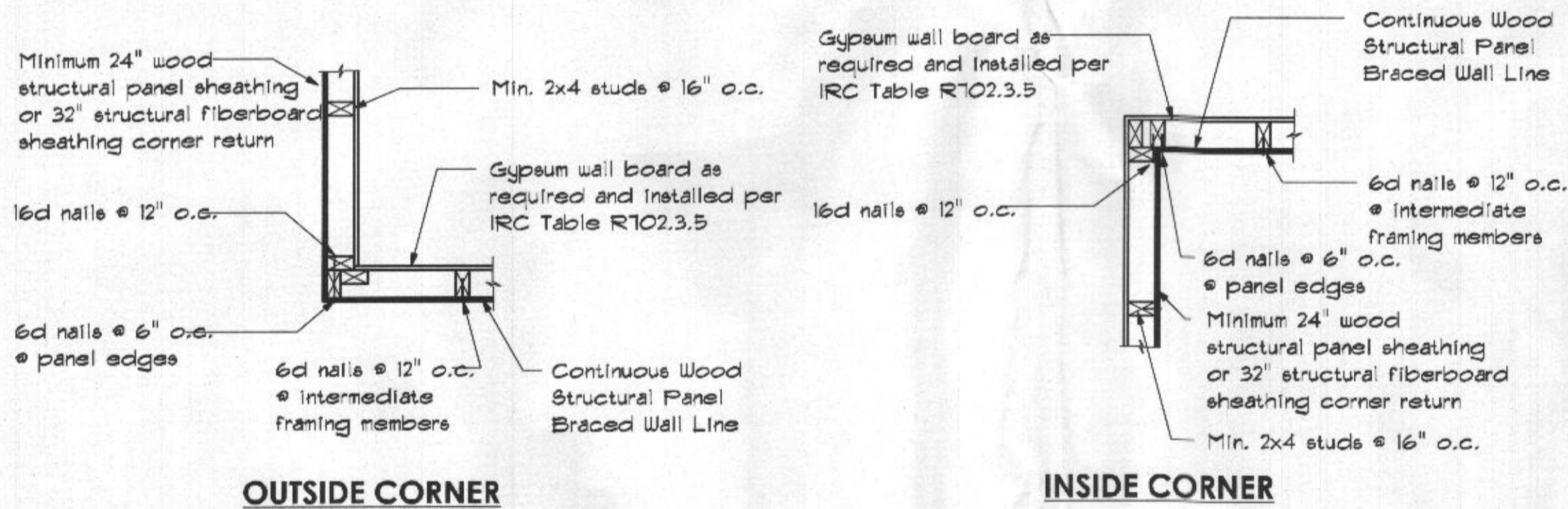
Note: At Braced Wall Lines Incorporating Continuously Sheathed bracing methods (CS-WSP & CS-PF), all exterior walls along the Braced Wall Line must be fully sheathed with min 7/16" OSB Wood Structural Panel sheathing fastened per IRC Tables R602.3(1), R602.3(2), and R602.3(3).

Method GB: Min. 1/2" gypsum board applied to each side of framing with adhesive and Type S or W screws @ 7" o.c. at panel edges and 24" o.c. at intermediate framing members or nails per IRC 2015 Table R702.3.5 @ 7" o.c. at panel edges and 16" o.c. at intermediate framing members.



Braced Wall Panel Connections to Floor and Ceiling Framing

NOT TO SCALE



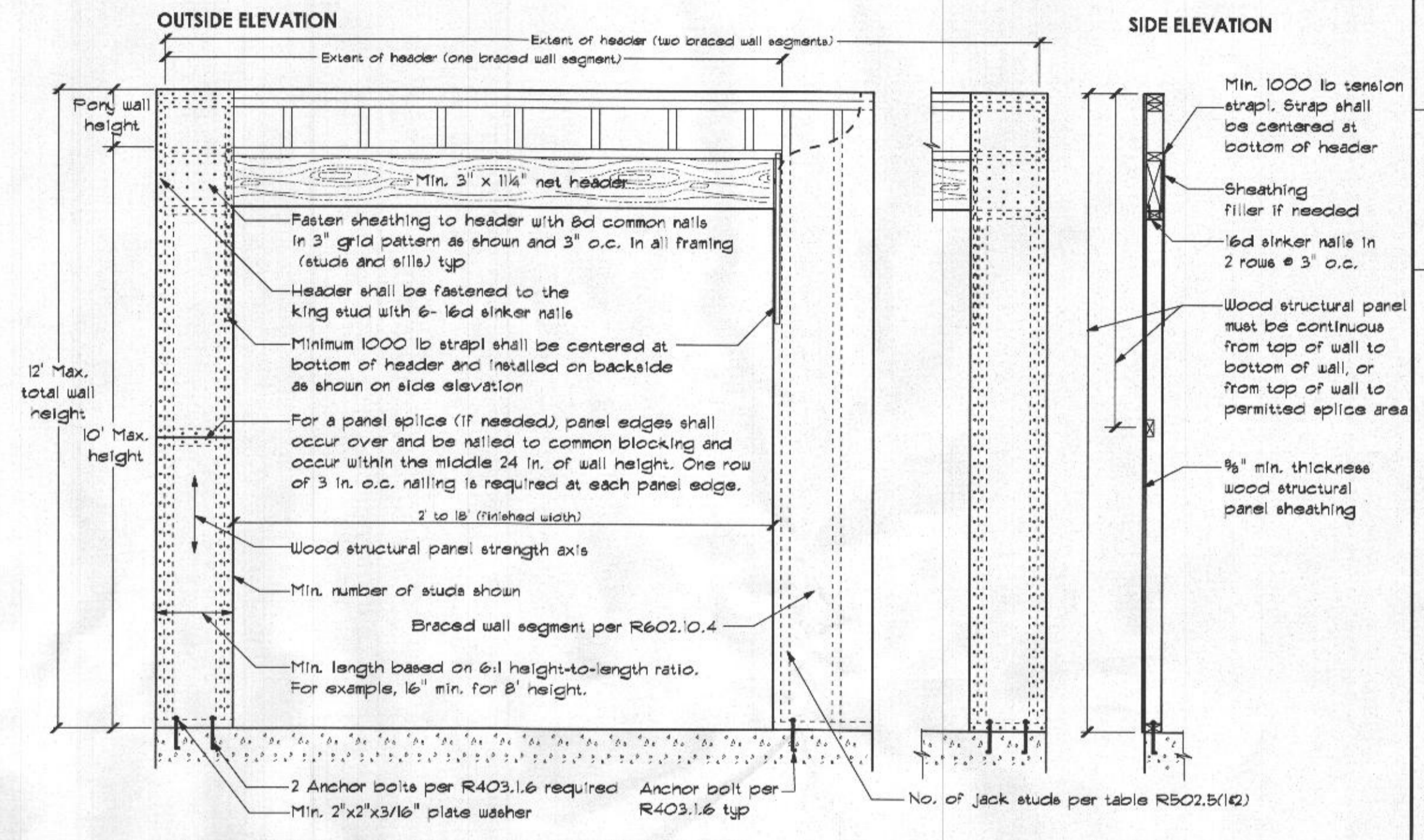
Corner Framing Details

NOT TO SCALE

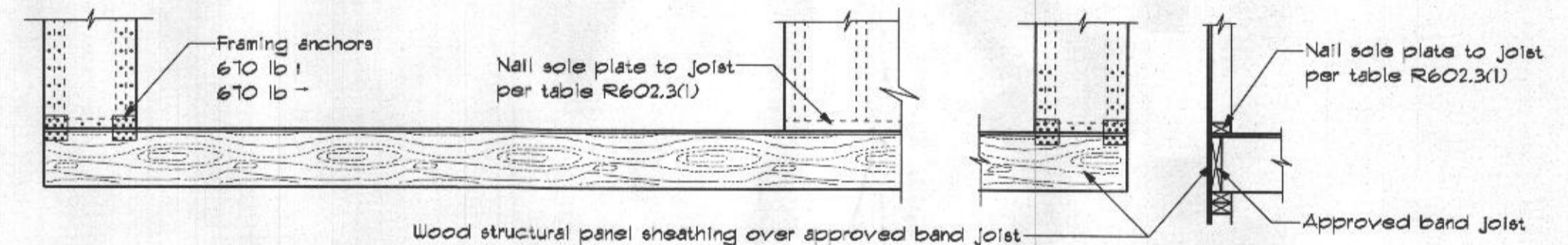
Tension Strap Capacity Required for Method CS-PF

Minimum Wall Stud Framing Nominal Size and Grade	Maximum Pony Wall Height (feet)	Maximum Total Wall Height (feet)	Maximum Opening Width (feet)	Wind Exposure B		Wind Exposure C	
				Wind Exposure B	Wind Exposure C	Tension strap capacity required (lb)	Tension strap capacity required (lb)
2x6 Stud Grade	2	12	9	1000	1750		
			16	2050	3550		
			18	2450	4100		
	4	12	9	1500	2750	DR	
			16	3150	DR		
			18	3675	DR		

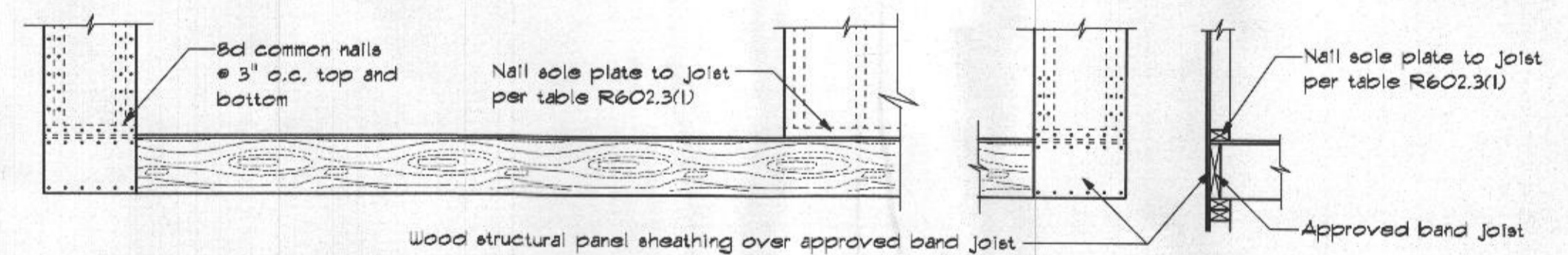
Notes: 1. Basic Wind Speed of 90mph. For other Basic Wind Speeds, see IRC Table R602.10.4.1.1.
2. DR = Design Required



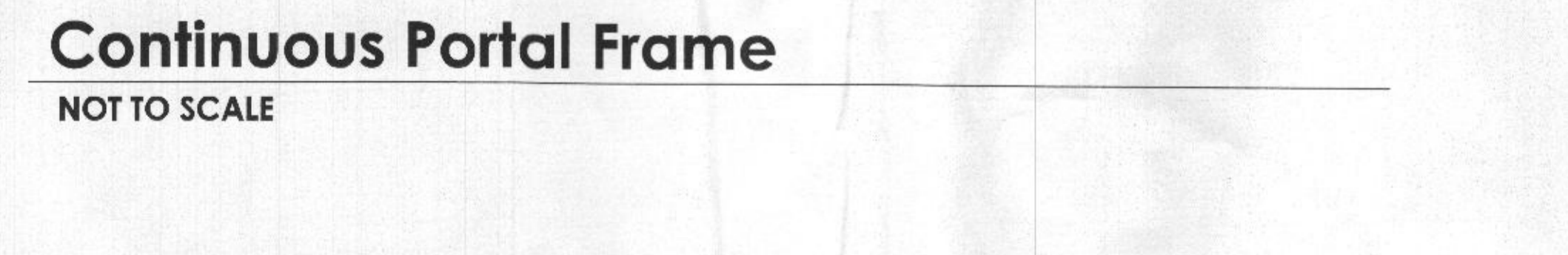
OVER CONCRETE OR MASONRY BLOCK FOUNDATION



OVER RAISED WOOD FLOOR OR SECOND FLOOR - FRAMING ANCHOR OPTION



OVER RAISED WOOD FLOOR OR SECOND FLOOR - WOOD STRUCTURAL PANEL OVERLAP OPTION



CS-PF Continuous Portal Frame

NOT TO SCALE

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ISSUE DATE

1	7-16-20	PERMIT SET
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SCALE: 1/4" = 1'-0"

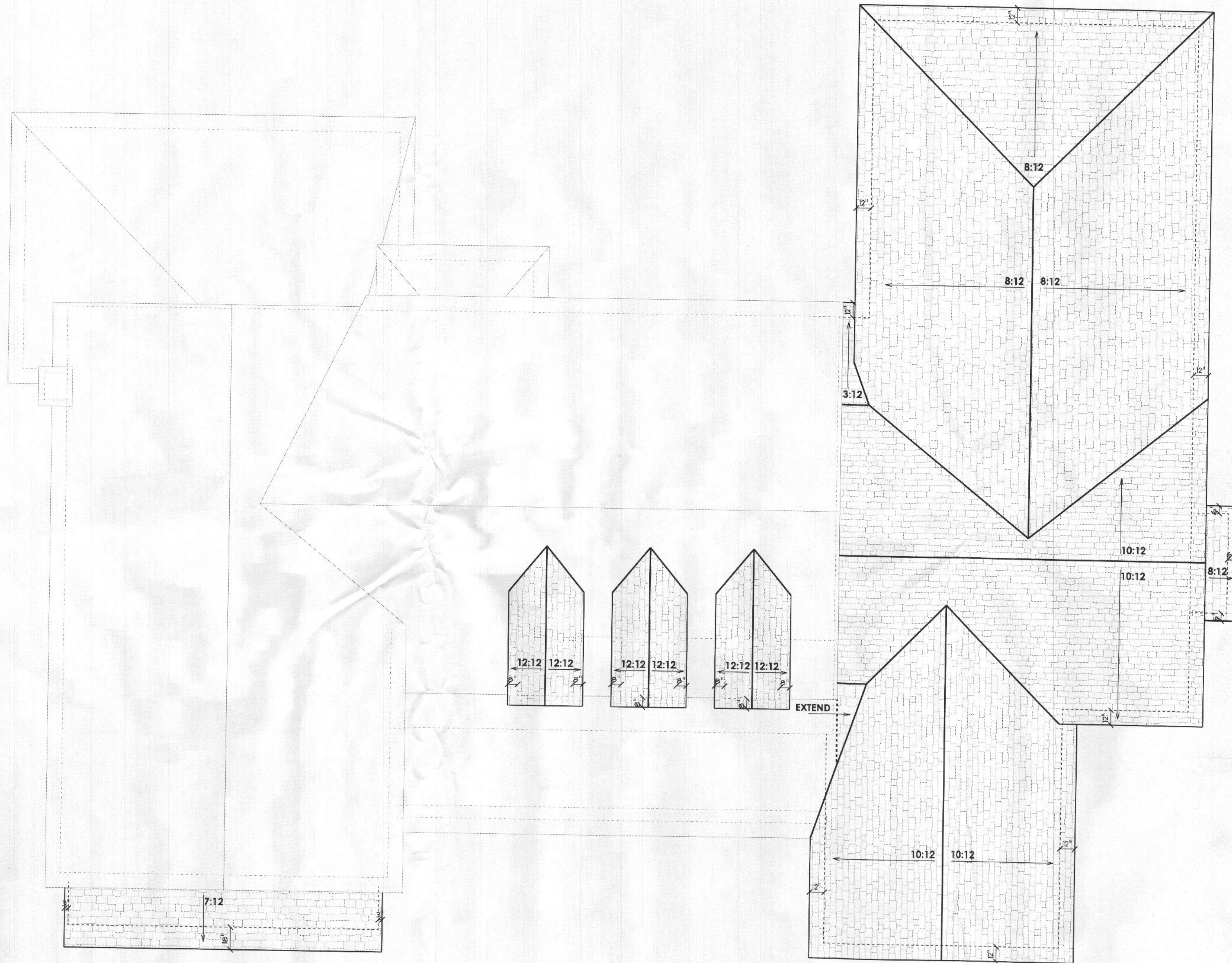
BRACING DETAILS

3.52

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ROOF PLAN
4.01
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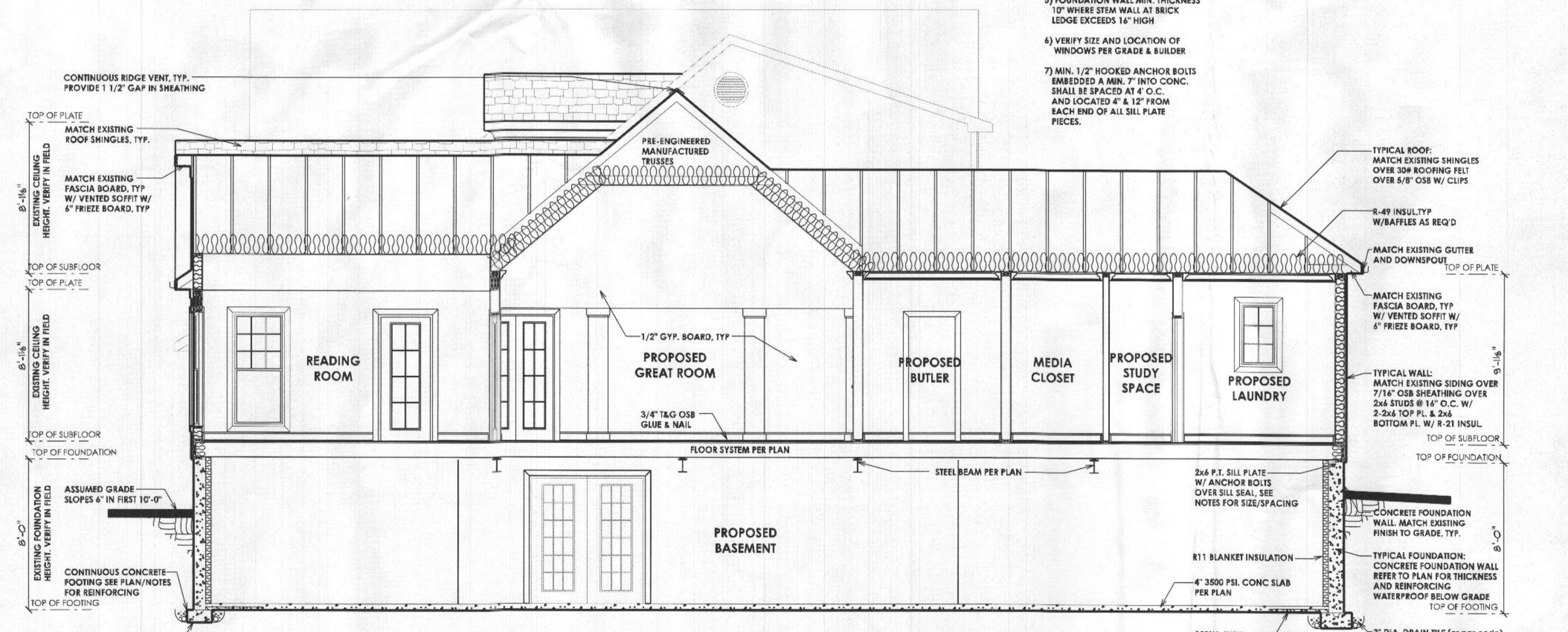
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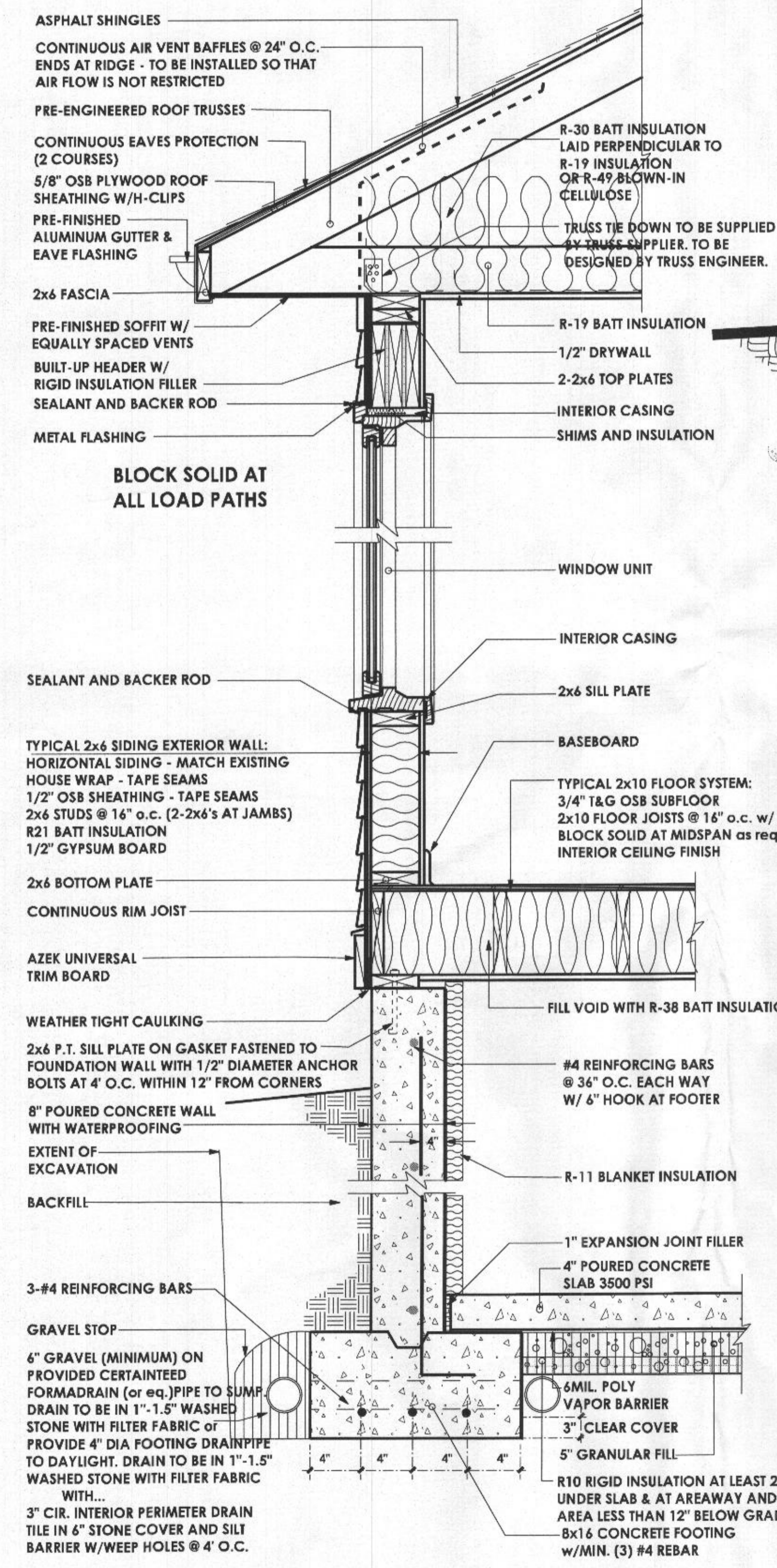
SCALE: 1/4" = 1'-0"
SECTIONS
5.01
PRINT DATE:
Saturday, March 6, 2021



SECTION B-B



SECTION A-A



WALL SECTION AT HOUSE BOX

SECTION NOTES

- 1) 2000 PSF MIN SOIL BEARING CAPACITY ASSUMED
- 2) BEAMS, JOISTS, HEADERS & RAFTERS TO BE SPF #1/B2 OR EQ. TYP THROUGH U.N.O.
- 3) BASEMENT WINDOW LOCATIONS TO BE DETERMINED AT PRECON.
- 4) ALL LOCATIONS FOR HVAC, SUMP PUMPS, ROUGH-INS, H/W/H, A/H AND OTHER FEATURES ARE SUBJECT TO BUILDER DISCRETION ON SITE
- 5) FOUNDATION WALL MIN. THICKNESS 10" WHERE STEM WALL AT BRICK LEDGE EXCEEDS 16" HIGH
- 6) VERIFY SIZE AND LOCATION OF WINDOWS PER GRADE & BUILDER
- 7) MIN. 1/2" HOOKED ANCHOR BOLTS EMBEDDED A MIN. 7" INTO CONC. SHALL BE SPACED AT 4' O.C. AND LOCATED 4" & 12" FROM EACH END OF ALL SILL PLATE PIECES.

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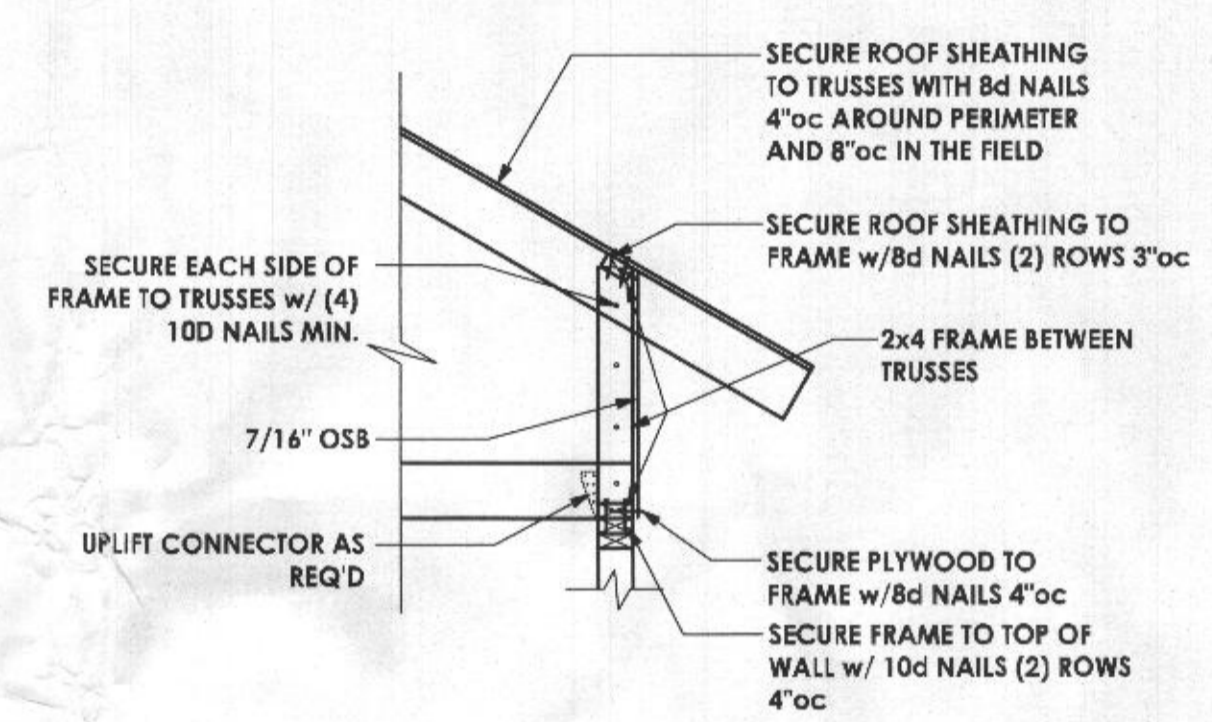
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TRUSS DETAILS

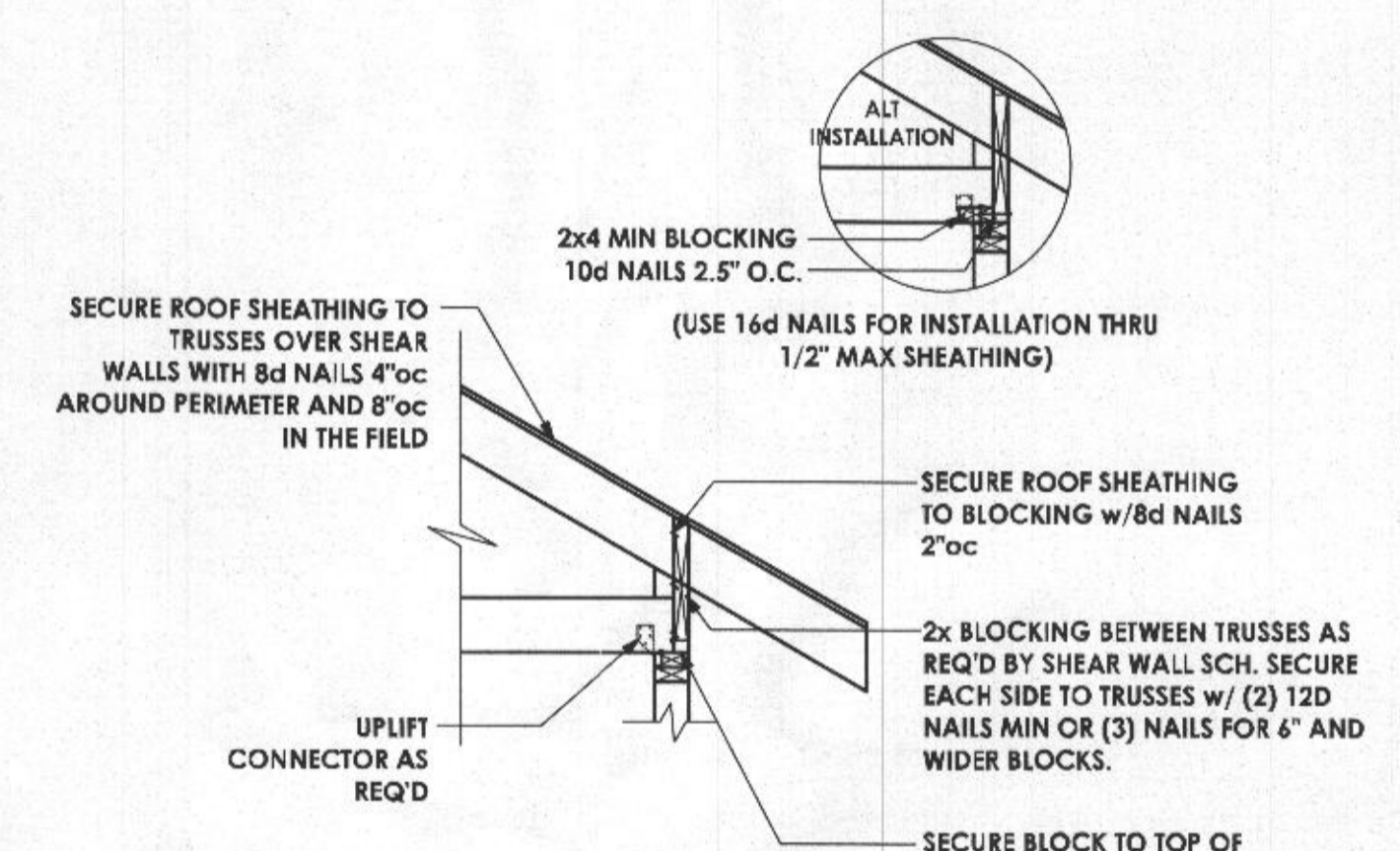
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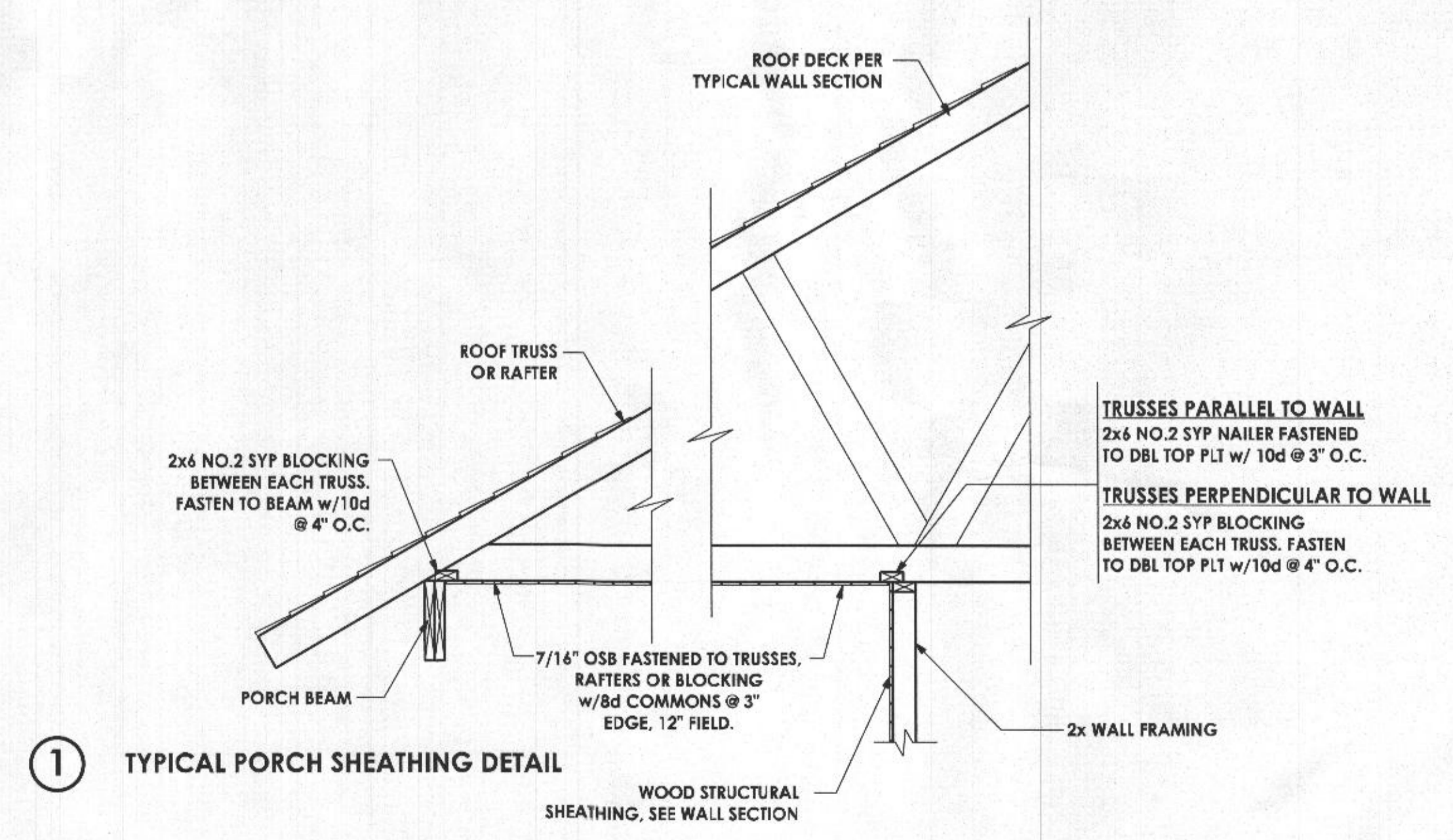
3 ROOF END CONNECTION

- NOTES:
1. TRUSS MAY EITHER HAVE A TOP CHORD OVERHANG OR CANTILEVER CONDITION.
 2. BLOCKING PANELS REQUIRED ABOVE SHEAR WALLS.
 3. SEEK APPROVAL IN WRITING FROM THE ENGINEER IF VENTILATION HOLES ARE REQUIRED.
 4. CAPACITY OF BLOCKING IS APPROX. 700#/FT.
 5. NAIL BLOCKING PANEL INTO EACH TRUSS FROM BOTH SIDE WITH (4) 10d NAILS.



2 ROOF END CONNECTION

- NOTES:
1. TRUSS MAY EITHER HAVE A TOP CHORD OVERHANG OR CANTILEVER CONDITION.
 2. BLOCKING MUST BE MITERED TO ALLOW FULL CONTACT WITH SHEATHING.
 3. BLOCKING PANELS REQUIRED ABOVE SHEAR WALLS.
 4. SEEK APPROVAL IN WRITING FROM THE ENGINEER IF VENTILATION HOLES ARE REQUIRED.
 5. CAPACITY OF BLOCKING IS APPROX. 450#/FT.



1 TYPICAL PORCH SHEATHING DETAIL