

- GENERAL NOTES:**
1. ALL ANGLES ARE 45°, UNLESS OTHERWISE NOTED.
 2. TYPICAL LOWER FLOOR INTERIOR FINISHED FLOOR TO BE 102'-0" F.T. UNLESS OTHERWISE NOTED.
 3. TYPICAL UPPER FLOOR INTERIOR FINISHED FLOOR TO BE 111'-6" F.T. UNLESS OTHERWISE NOTED.
 4. TYPICAL FINISH FLOOR INTERIOR FINISHED FLOOR TO BE 99'-10 1/2" F.T. WITH THE OUTWARD SLOPE UNLESS OTHERWISE NOTED.
 5. TYPICAL GARAGE FINISHED FLOOR TO BE 99'-8" WITH THE OUTWARD SLOPE UNLESS OTHERWISE NOTED.
 6. RECESS SHOWER & SLAB 1/2" UNLESS OTHERWISE NOTED.
 7. ALL OPENINGS TO BE SHEETROCK UNLESS OTHERWISE NOTED.
 8. ALL CROWN MOULDING TO BE 3/4" TALL UNLESS OTHERWISE NOTED.
 9. WINDOW & DOOR SCHEDULES TO BE VERIFIED BY ARCHITECT & OWNER PRIOR TO CONSTRUCTION.
 10. WINDOW SCHEDULE FORMAT - FEET INCHES (EIGHTEENTH NOTES HIGH) (FOR EXAMPLE: 2865 = 2'-8" x 6'-8", 2650 = 2'-4" x 7'-0")

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

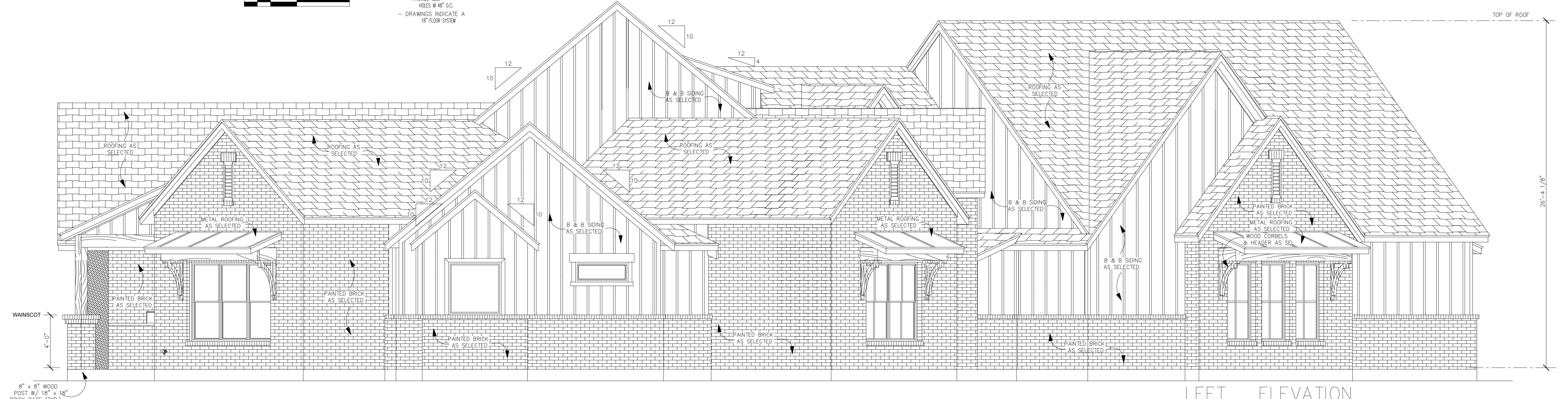
AREA SCHEDULE	
NAME	AREA
FIRST FLOOR	3807 sq. ft.
BONUS ROOM	761 sq. ft.
TOTAL HEATED	4568 sq. ft.
GARAGE	1291 sq. ft.
PORCHES	1027 sq. ft.
SCREEN PORCH	306 sq. ft.
TOTAL UNHEATED	2624 sq. ft.
TOTAL	7192 sq. ft.

GREAT CARE AND EFFORT HAVE BEEN TAKEN TO PREPARE THESE PLANS TO THE BEST OF OUR ABILITY. HOWEVER, THE USER OF THESE PLANS SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS IN THE FIELD. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSURANCE COVERAGE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONTRACTOR LICENSES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY MATERIALS AND SUPPLIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY LABORERS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY TOOLS AND EQUIPMENT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONTRACTOR LICENSES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY MATERIALS AND SUPPLIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY LABORERS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY TOOLS AND EQUIPMENT.

HOMEOWNER
GLENN FRYE
 SHEET
1 OF 5
 PLAN NUMBER
915047CHP



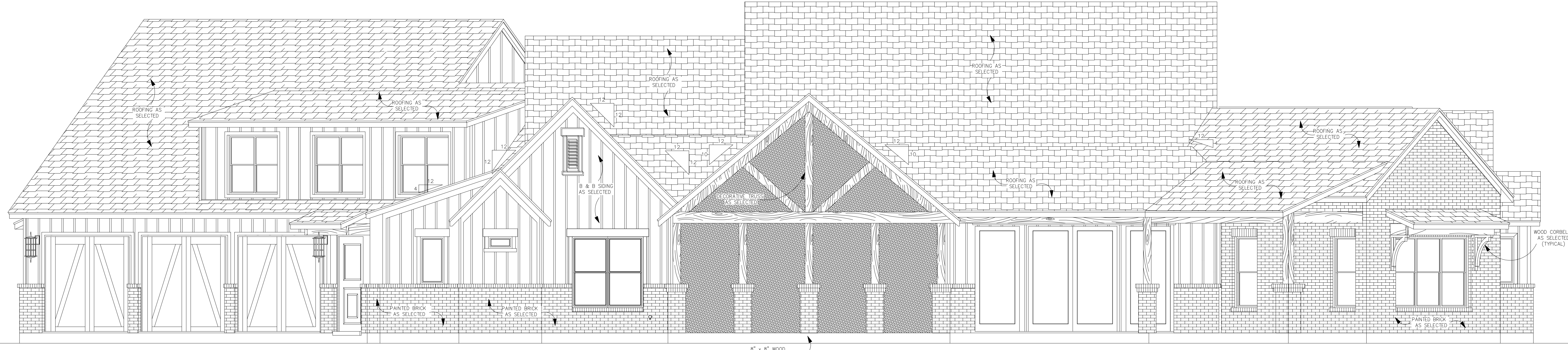
FRONT ELEVATION
 SCALE 1/4" = 1'-0"
 NOTES:
 - PROVIDE MEP
 - DRAWINGS INDICATE A
 IF FLOOR SYSTEM



LEFT ELEVATION
 SCALE 1/4" = 1'-0"
 NOTES:
 - PROVIDE MEP
 - DRAWINGS INDICATE A
 IF FLOOR SYSTEM



RIGHT ELEVATION
 SCALE 1/4" = 1'-0"
 NOTES:
 - PROVIDE MEP
 - DRAWINGS INDICATE A
 IF FLOOR SYSTEM

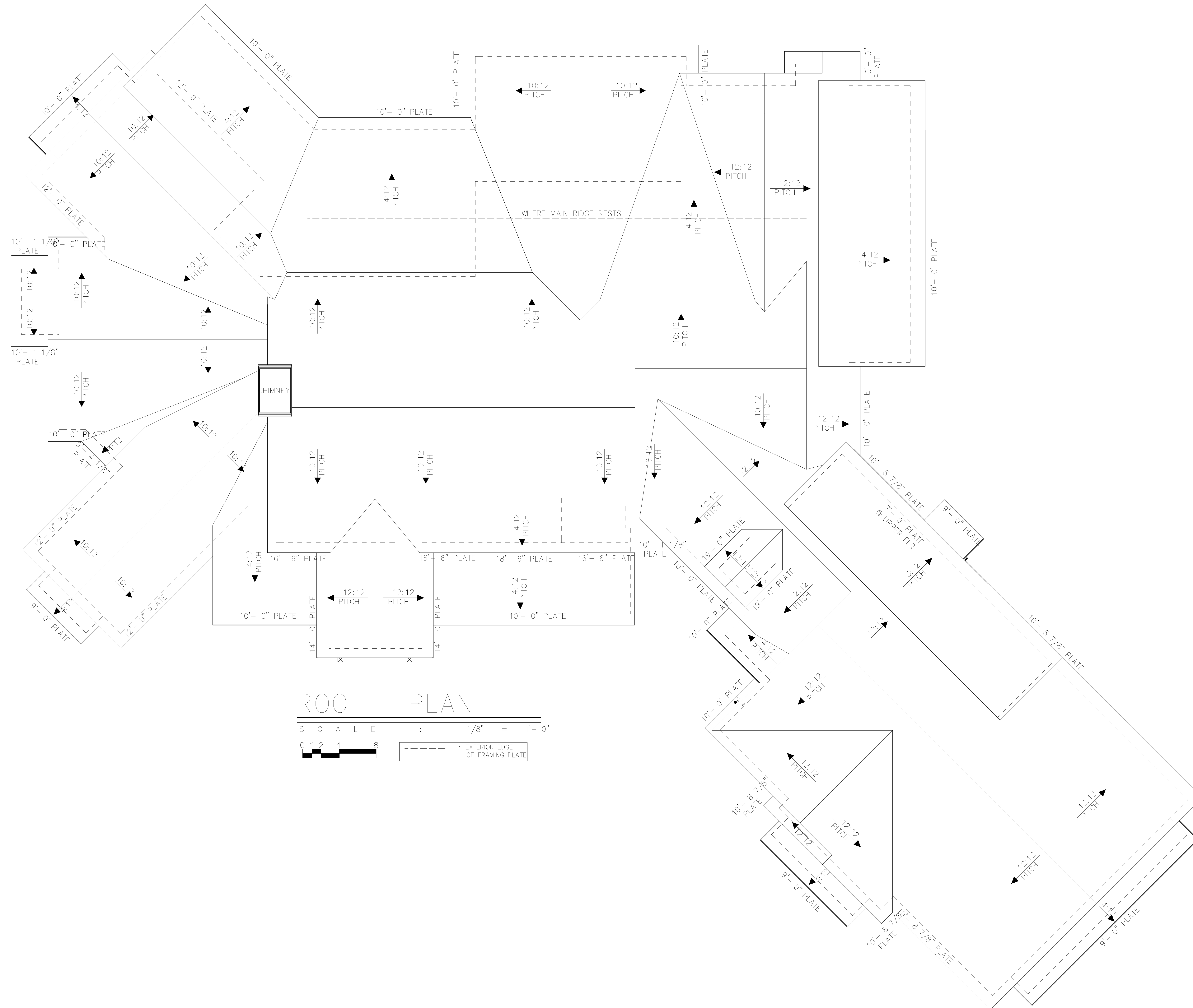


REAR ELEVATION
 SCALE 1/4" = 1'-0"
 NOTES:
 - PROVIDE MEP
 - DRAWINGS INDICATE A
 IF FLOOR SYSTEM

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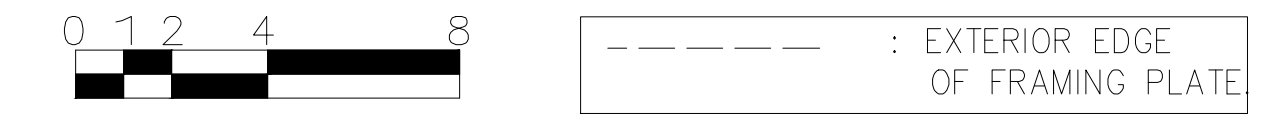
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HOMEOWNER
 GLENN
 FRYE
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 PLAN NUMBER
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ROOF PLAN

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

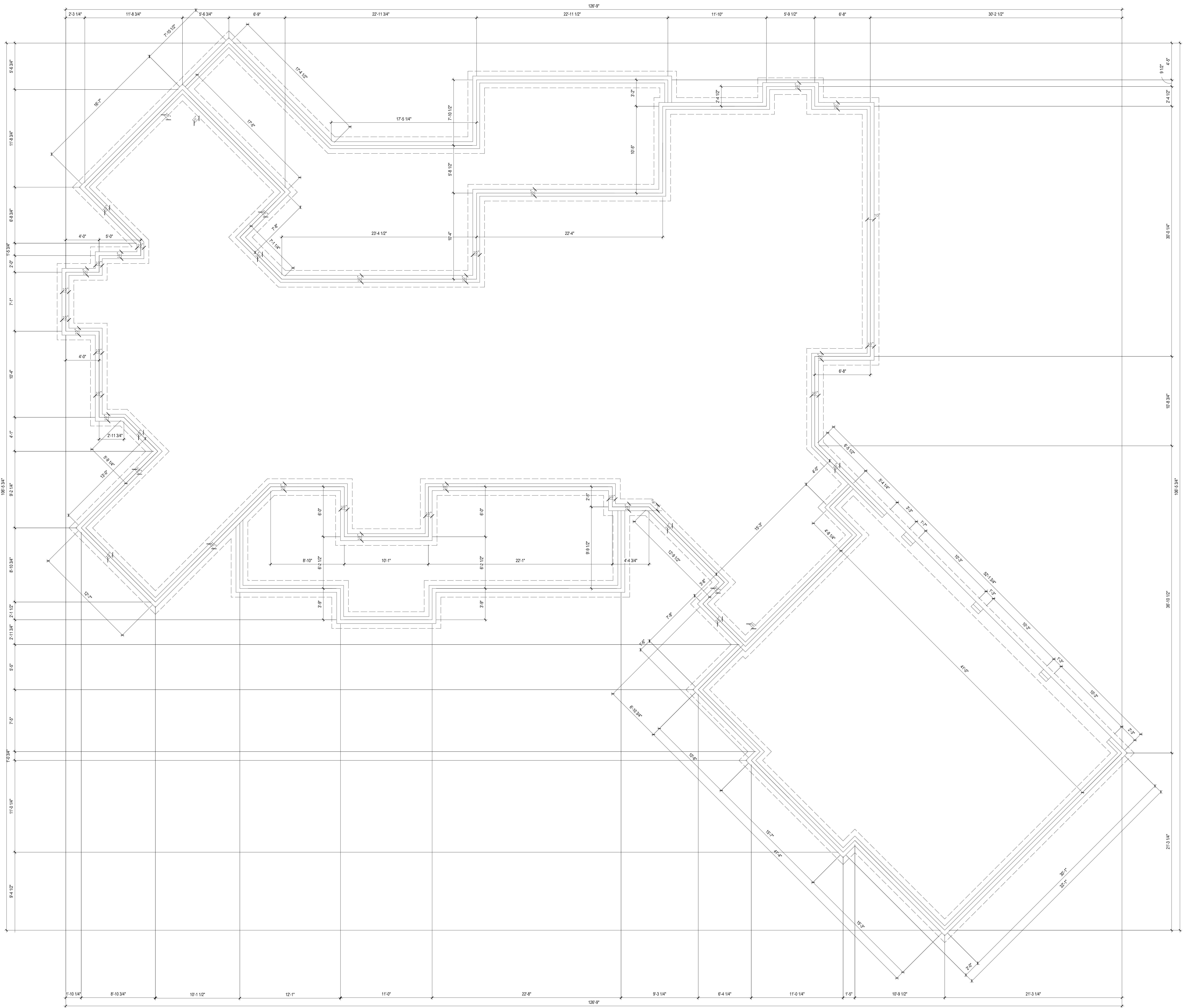


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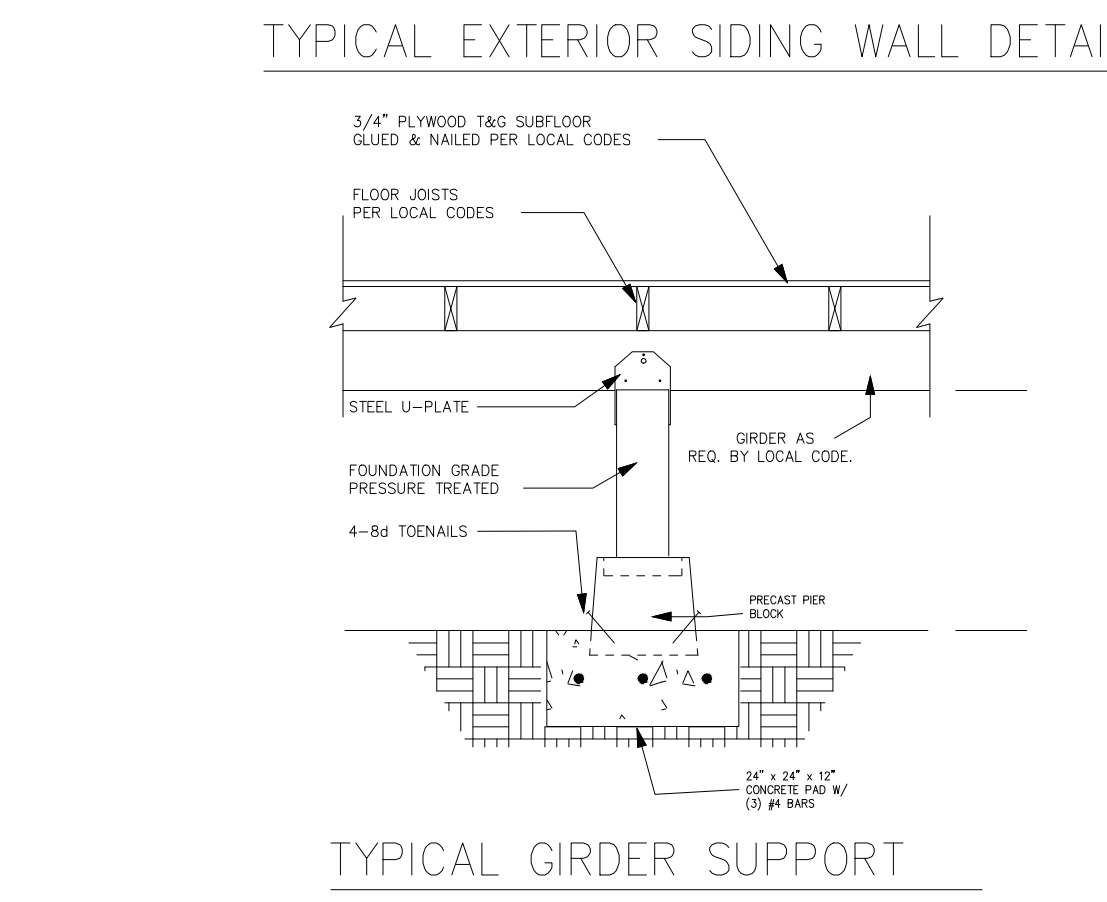
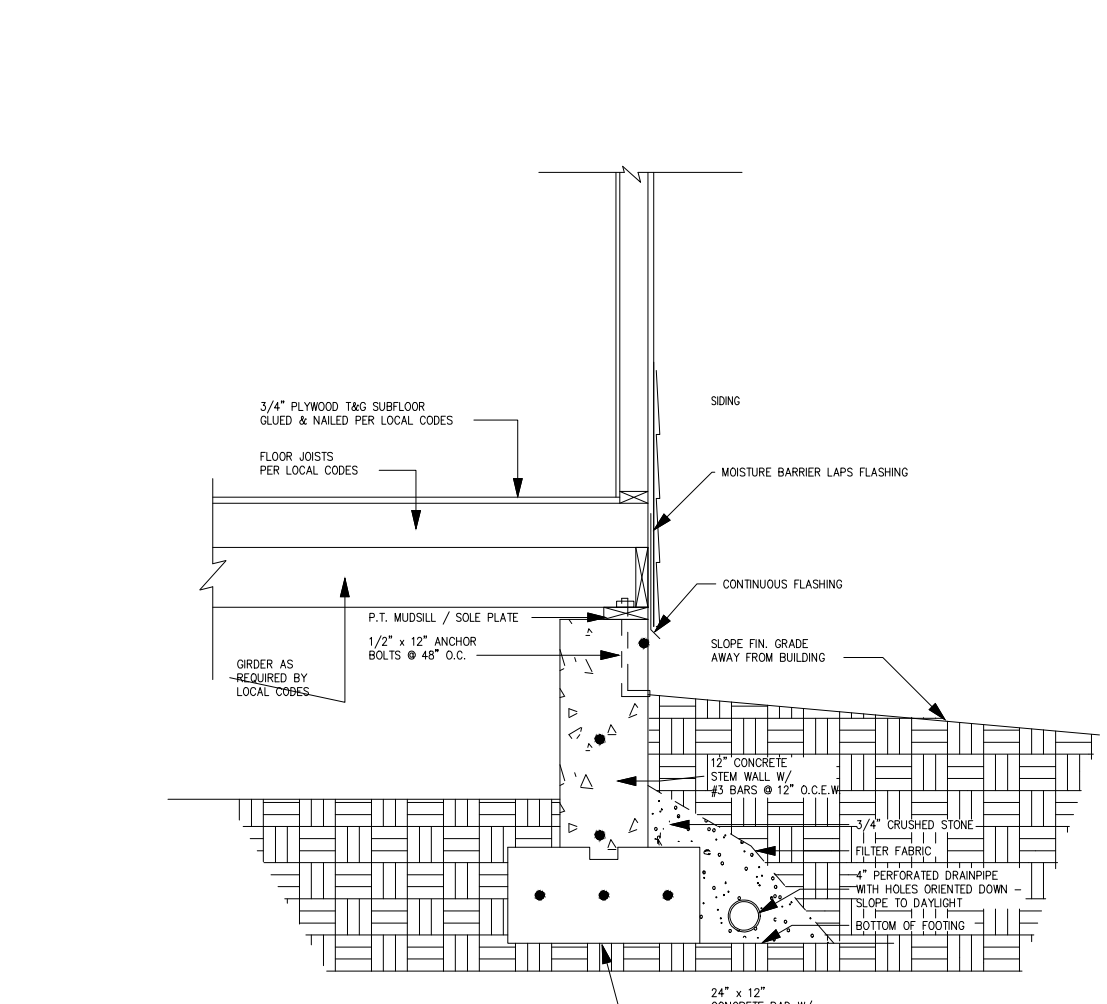
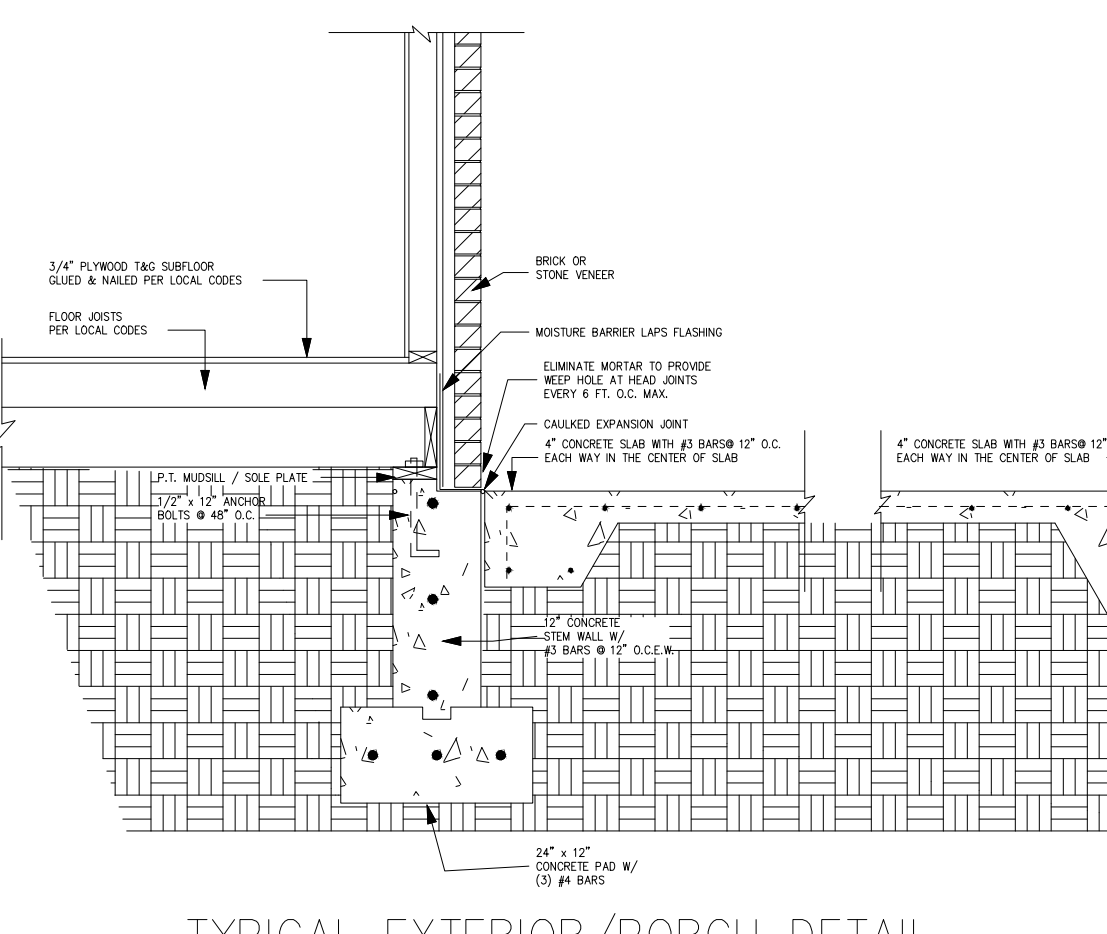
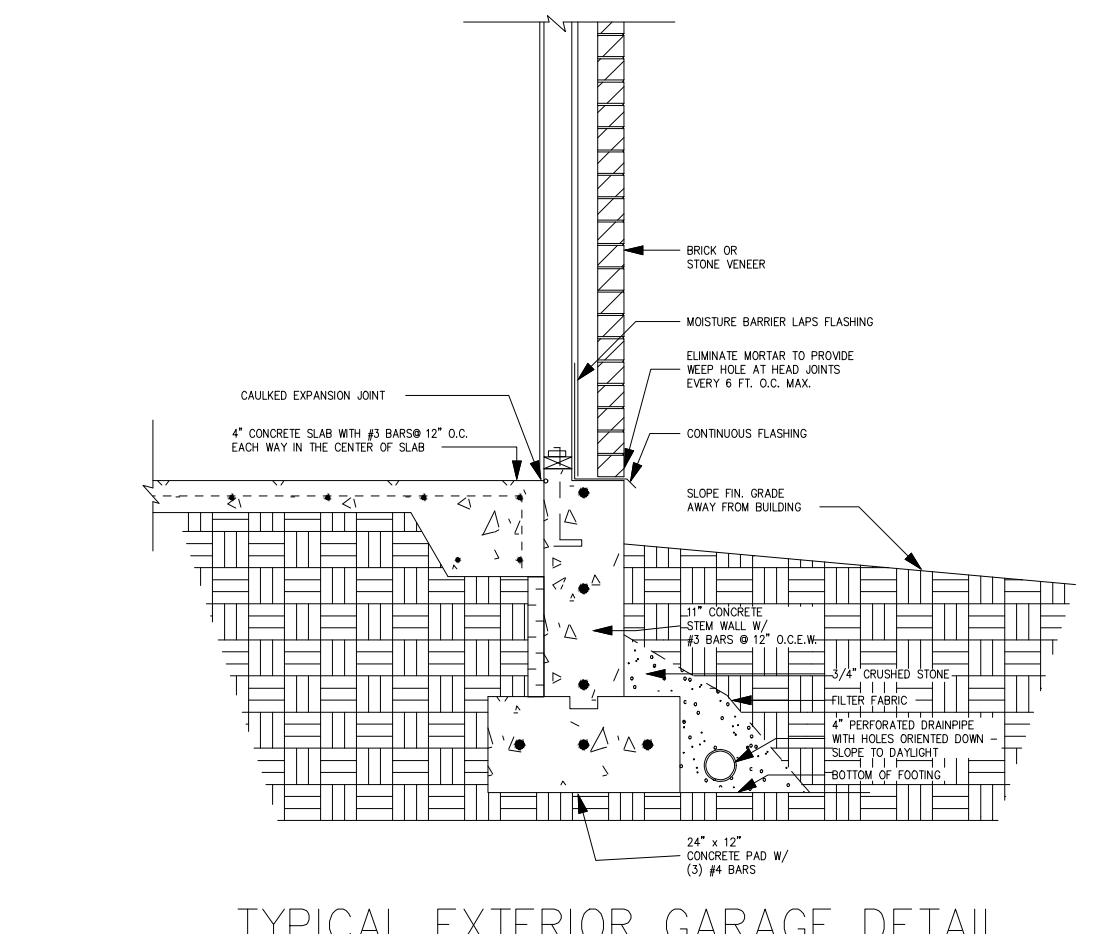
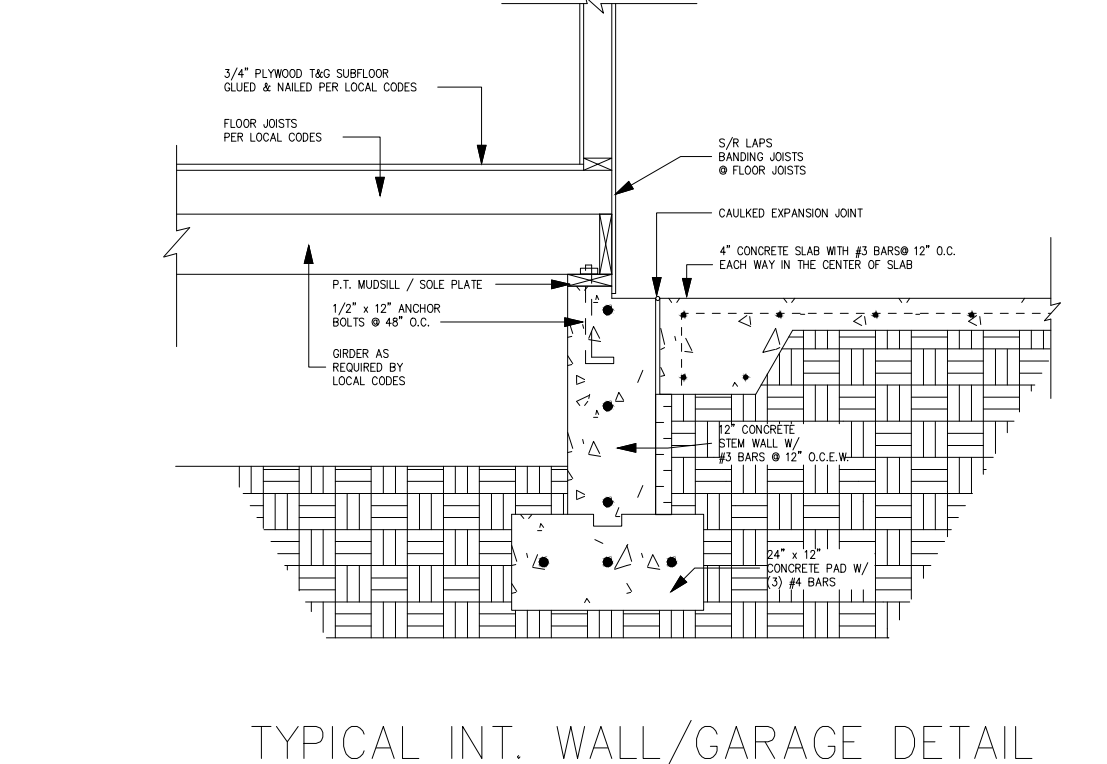
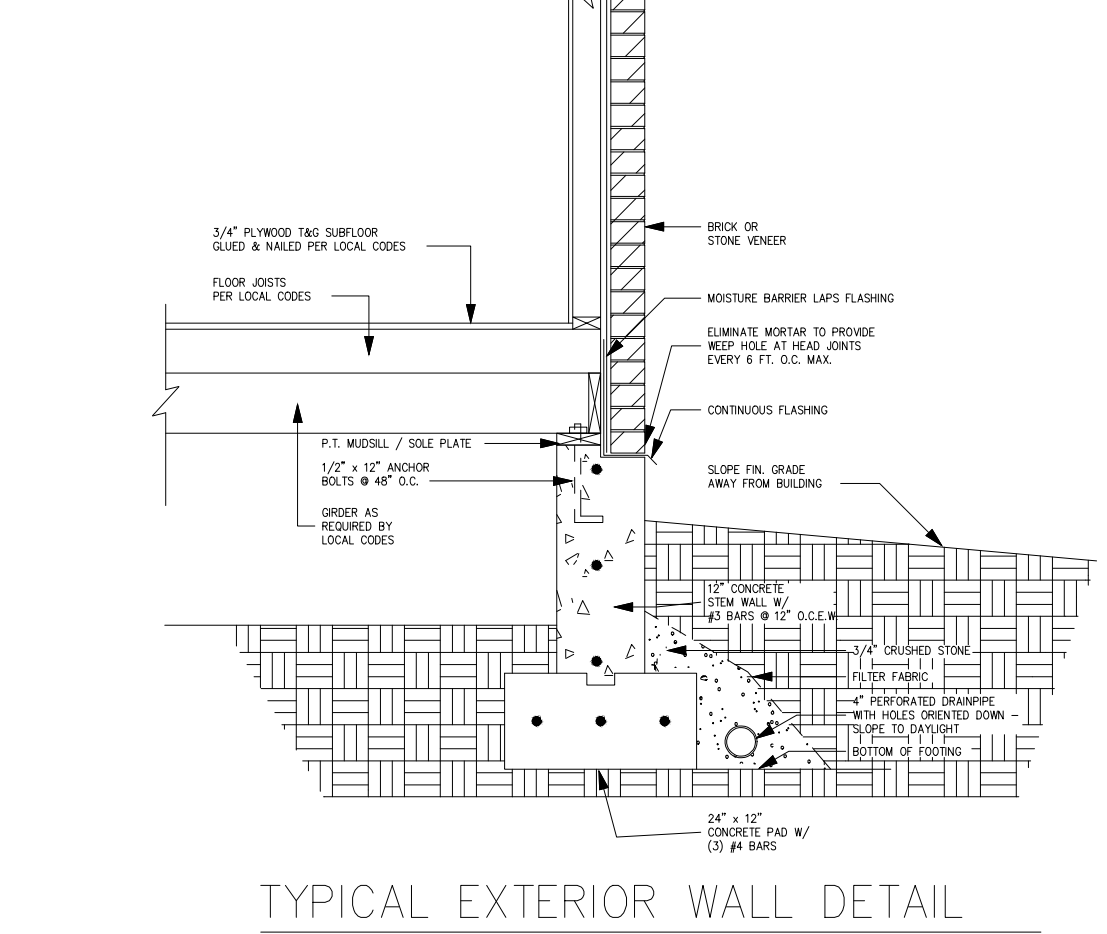
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FOUNDATION DETAILS

NOT TO SCALE

GENERAL NOTES:
 THE DRAWINGS ABOVE ARE SUGGESTED MINIMUM REQUIREMENTS ONLY. DUE TO VARIANCES OF CODES PER REGION, PLEASE REFER TO AND COMPLY WITH ALL LOCAL BUILDING CODES. CONSULT WITH LOCAL ENGINEERS FOR ALL STRUCTURAL REQUIREMENTS.



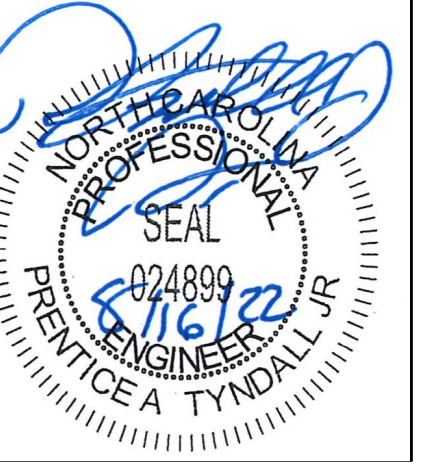
PLEASE READ AND VERIFY ALL DIMENSIONS AND NOTES ON THESE PLANS. THE HOMEOWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE HOMEOWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT.

HOMEOWNER
 GLENN
 FRYE

S H E E
 5 of 5
 PLAN NUMBER
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6520 TEMPLE VIEW LANE
FUQUAY-VARINA, NC 27526
Plan: **CHARMING HOME PLANS**
PLAN 915047CHP

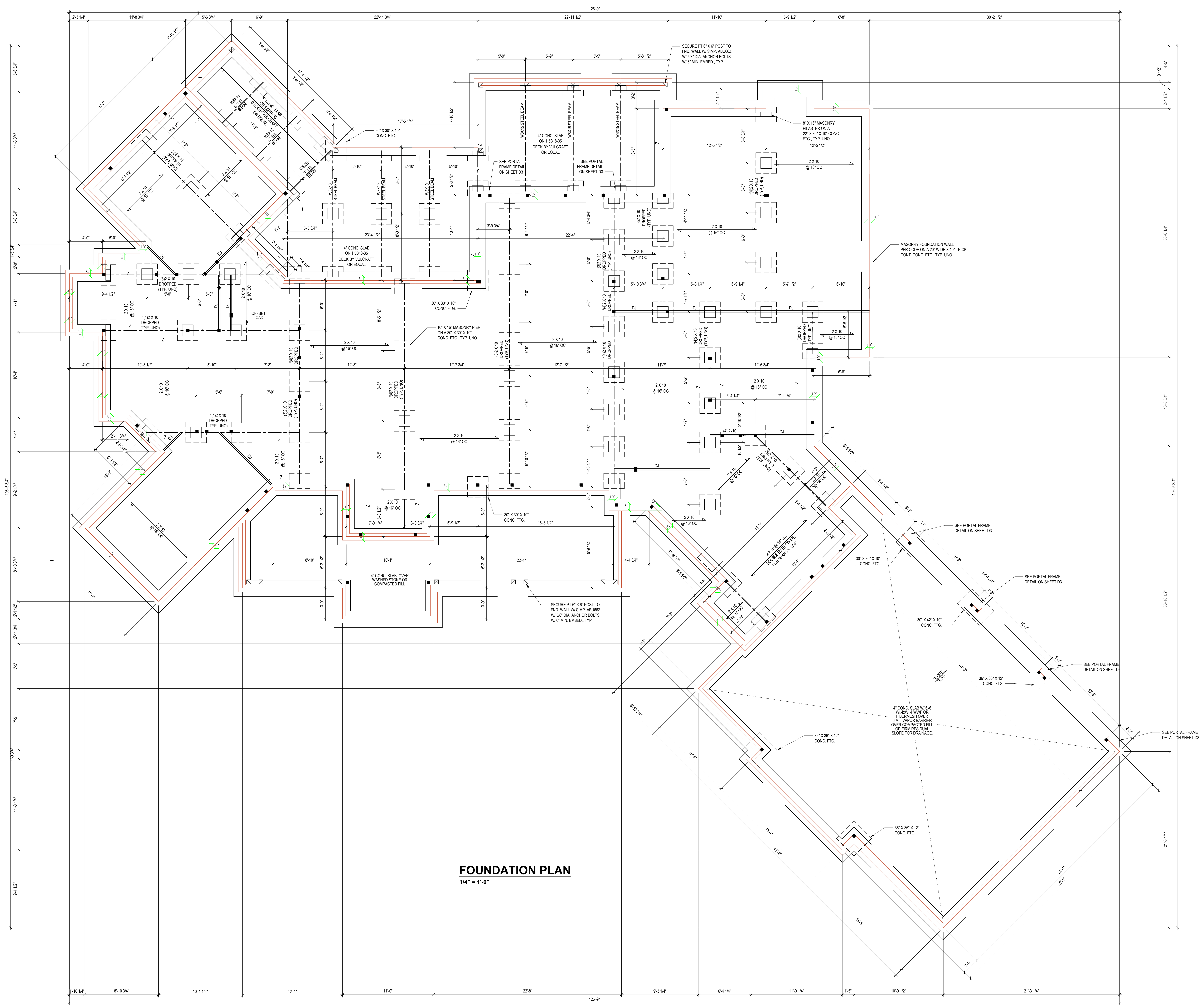
FOUNDATION PLAN

Project #: **DRB2201-0023**
Date: **08/15/2022**
Engineered By: **AWL**
DWG. Checked By: **PAT**
Scale: **SCALE**

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Sheet Number

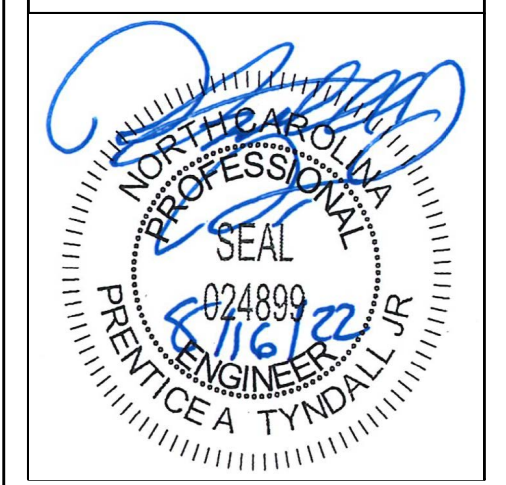
S1



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

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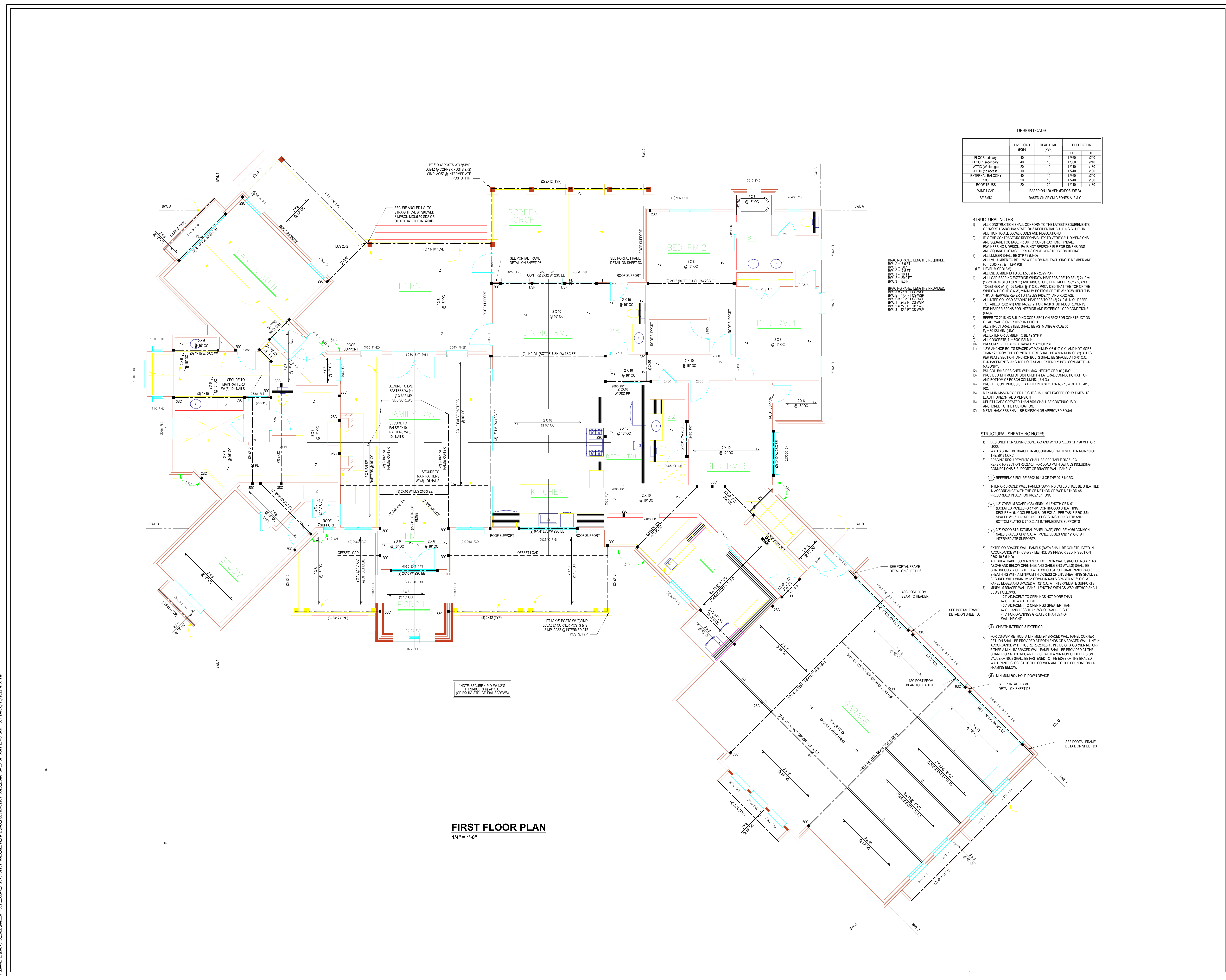
Plan: **CHARMING HOME PLANS**
 PLAN 915047CHP

FIRST FLOOR PLAN FRAMING PLAN

Project #: **DRB2201-0023**
 Date: **08/15/2022**
 Engineered By: **AWL**
 DWG. Checked By: **PAT**
 Scale: **SCALE**

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FIRST FLOOR PLAN
 1/4" = 1'-0"

DESIGN LOADS

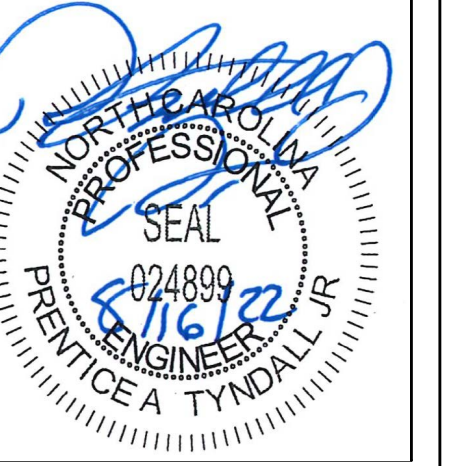
	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION	
			LL R80	TL L240
FLOOR (primary)	40	10	L800	L240
FLOOR (secondary)	40	10	L800	L240
ATTIC (no storage)	20	10	L800	L180
ATTIC (no access)	10	5	L800	L180
EXTERNAL BALCONY	40	10	L800	L240
ROOF	20	10	L800	L180
ROOF TRUSS	20	20	L800	L180
WIND LOAD	BASED ON 120 MPH (EXPOSURE B)			
SEISMIC	BASED ON SEISMIC ZONES A, B & C			

- STRUCTURAL NOTES:**
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF NORTH CAROLINA STATE 2018 RESIDENTIAL BUILDING CODE. IN ADDITION TO ALL LOCAL CODES AND REGULATIONS.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND SQUARE FOOTAGE PRIOR TO CONSTRUCTION. TYNDALL ENGINEERING & DESIGN, P.A. IS NOT RESPONSIBLE FOR DIMENSIONS AND SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS.
 - ALL LUMBER SHALL BE SPF #1 (UND). ALL LVL LUMBER TO BE 1 7/8" WIDE NOMINAL EACH SINGLE MEMBER AND R8 = 2000 PSF, E = 1.9M PSI (UND). (I.E. LEVEL MICRO-LAM)
 - ALL LVL LUMBER IS TO BE 1 5/8" (R9 = 2200 PSF)
 - ALL LOAD BEARING EXTERIOR WINDOW HEADERS ARE TO BE (2) 2x10 W/ (1) 2x4 JACK STUD (UND) AND KING STUDS PER TABLE R602.7.5 AND TOGETHER W/ (2) 16x16x8" C.C. PROVIDED THAT THE TOP OF THE WINDOW HEIGHT IS 6'-8" MINIMUM BOTTOM OF THE WINDOW HEIGHT IS 1'-0" OTHERWISE REFER TO TABLES R602.7(1) AND R602.7(2)
 - ALL INTERIOR LOAD BEARING HEADERS TO BE (2) 2x10 (UND) REFER TO TABLES R602.7(1) AND R602.7(2) FOR JACK STUD REQUIREMENTS FOR HEADER SPANS FOR INTERIOR AND EXTERIOR LOAD CONDITIONS (UND)
 - REFER TO 2018 NC BUILDING CODE SECTION R602.7 FOR CONSTRUCTION OF ALL WALLS OVER 10'-0" IN HEIGHT.
 - ALL STRUCTURAL STEEL SHALL BE ASTM A992 GRADE 50
 - 5x8x1/2 MIN. (UND)
 - ALL EXTERIOR LUMBER TO BE #2 SYP PT
 - ALL CONCRETE: 4-3000 PSI MIN.
 - PRESUMPTIVE BEARING CAPACITY = 2000 PSF
 - 1/2" ANCHOR BOLTS SPACED AT MAXIMUM OF 6'-0" O.C. AND NOT MORE THAN 12" FROM THE CORNER. THERE SHALL BE A MINIMUM OF 2 BOLTS PER PLATE SECTION. ANCHOR BOLTS SHALL BE SPACED AT 3'-0" O.C. FOR BARRIERS; ANCHOR BOLTS SHALL EXTEND 7" INTO CONCRETE OR MASONRY.
 - PSL COLUMNS DESIGNED WITH MAX. HEIGHT OF 9'-0" (UND)
 - PROVIDE A MINIMUM OF 500# UPLIFT & LATERAL CONNECTION AT TOP AND BOTTOM OF PORCH COLUMNS (UND)
 - PROVIDE CONTINUOUS SHEATHING PER SECTION R602.10.4 OF THE 2018 IRC.
 - MAXIMUM MASONRY PIER HEIGHT SHALL NOT EXCEED FOUR TIMES ITS LEAST HORIZONTAL DIMENSION.
 - UPLIFT LOADS GREATER THAN 500# SHALL BE CONTINUOUSLY ANCHORED TO THE FOUNDATION.
 - METAL HANGERS SHALL BE SIMPSON OR APPROVED EQUAL.

- STRUCTURAL SHEATHING NOTES**
- DESIGNED FOR SEISMIC ZONE A-C AND WIND SPEEDS OF 120 MPH OR LESS.
 - WALLS SHALL BE BRACED IN ACCORDANCE WITH SECTION R602.10 OF THE 2018 NCRC.
 - BRACING REQUIREMENTS SHALL BE PER TABLE R602.10.3 REFER TO SECTION R602.10.4 FOR LOAD PATH DETAILS INCLUDING CONNECTIONS & SUPPORT OF BRACED WALL PANELS.
 - REFERENCE FIGURE R602.10.4.3 OF THE 2018 NCRC.
 - INTERIOR BRACED WALL PANELS (BWP) INDICATED SHALL BE SHEATHED IN ACCORDANCE WITH THE METHOD OR WSP METHOD AS PRESCRIBED IN SECTION R602.10.1 (UND)
 - 1 1/2" GYPSUM BOARD (GB) MINIMUM LENGTH OF 6'-0" (ISOLATED PANELS) OR 4'-0" (CONTINUOUS SHEATHING). SECURE W/ 50 COOL NAILS OR 2x4 PER TABLE R602.3.6) SPACED @ 7'-0" O.C. AT PANEL EDGES, INCLUDING TOP AND BOTTOM PLATES & 7'-0" O.C. AT INTERMEDIATE SUPPORTS
 - 3/4" WOOD STRUCTURAL PANEL (WSP) SECURE W/ 6x COMMON NAILS SPACED AT 12" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS
 - EXTERIOR BRACED WALL PANELS (BWP) SHALL BE CONSTRUCTED IN ACCORDANCE WITH CS-WSP METHOD AS PRESCRIBED IN SECTION R602.10.3 (UND)
 - ALL SHEATHABLE SURFACES OF EXTERIOR WALLS (INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS) SHALL BE CONTINUOUSLY SHEATHED WITH WOOD STRUCTURAL PANEL (WSP) SHEATHING WITH A MINIMUM THICKNESS OF 3/8". SHEATHING SHALL BE SECURED WITH MINIMUM 6x COMMON NAILS SPACED AT 6" O.C. AT PANEL EDGES AND SPACED AT 12" O.C. AT INTERMEDIATE SUPPORTS. MINIMUM BRACED WALL PANEL LENGTHS WITH CS-WSP METHOD SHALL BE AS FOLLOWS:
 -24" ADJACENT TO OPENINGS NOT MORE THAN 67% OF WALL HEIGHT
 -36" ADJACENT TO OPENINGS GREATER THAN 67% AND LESS THAN 85% OF WALL HEIGHT.
 -48" FOR OPENINGS GREATER THAN 85% OF WALL HEIGHT
 - SHEATH INTERIOR & EXTERIOR
 - FOR CS-WSP METHOD, A MINIMUM 2x4 BRACED WALL PANEL CORNER RETURN SHALL BE PROVIDED AT BOTH ENDS OF A BRACED WALL LINE IN ACCORDANCE WITH FIGURE R602.10.3(4). IN LIEU OF A CORNER RETURN, EITHER A MIN. 4x BRACED WALL PANEL SHALL BE PROVIDED AT THE CORNER OR A HOLD-DOWN DEVICE WITH A MINIMUM UPLIFT DESIGN VALUE OF 800# SHALL BE FASTENED TO THE EDGE OF THE BRACED WALL PANEL CLOSEST TO THE CORNER AND TO THE FOUNDATION OR FRAMING BELOW.
 - MINIMUM 800# HOLD-DOWN DEVICE

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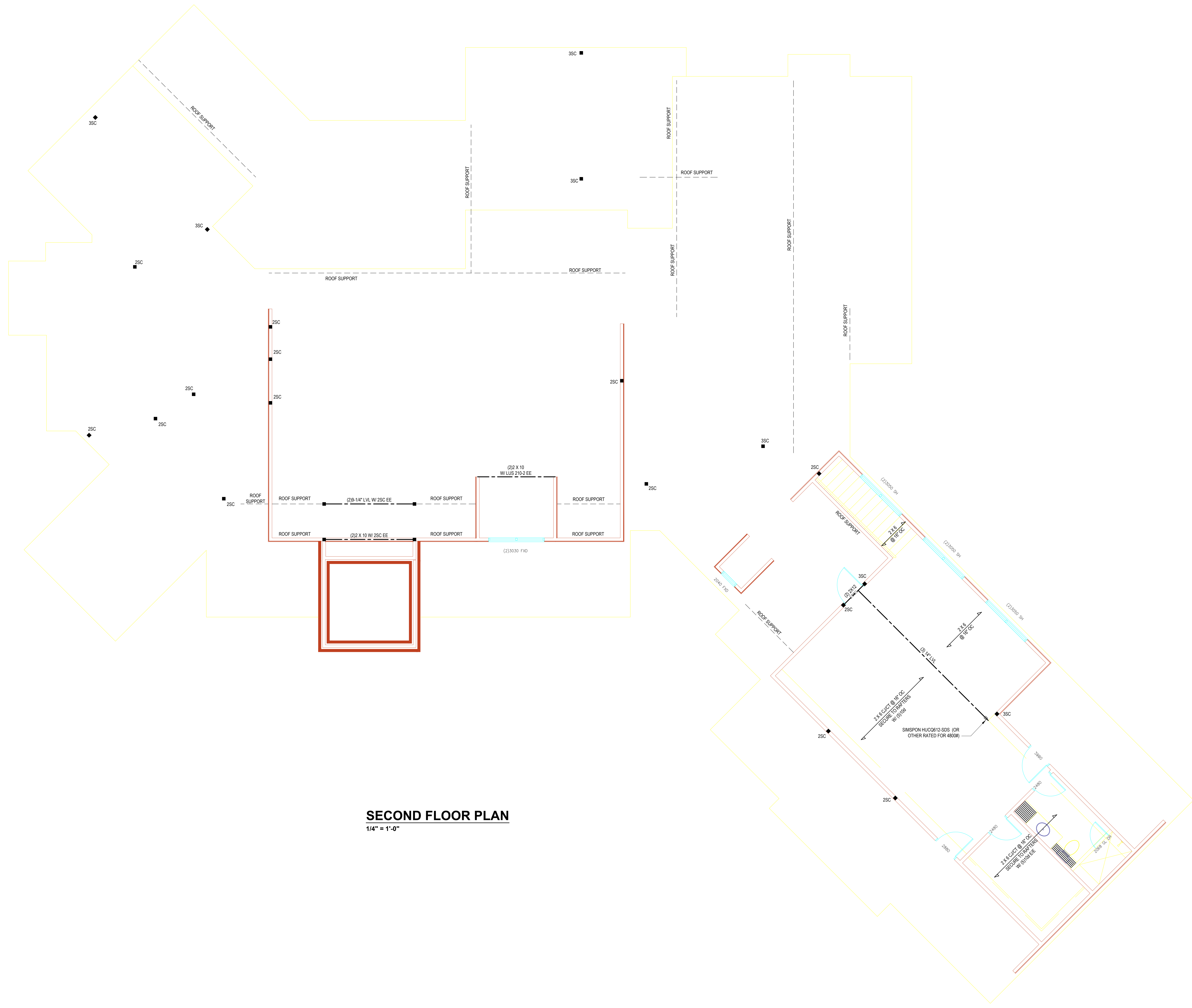
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FUQUAY-VARINA, NC 27526
Plan: CHARMING HOME PLANS
PLAN 915047CHP

**SECOND FLOOR
FRAMING PLAN**

Project #: DRB2201-0023
Date: 08/15/2022
Engineered By: AWL
DWG. Checked By: PAT
Scale: SCALE

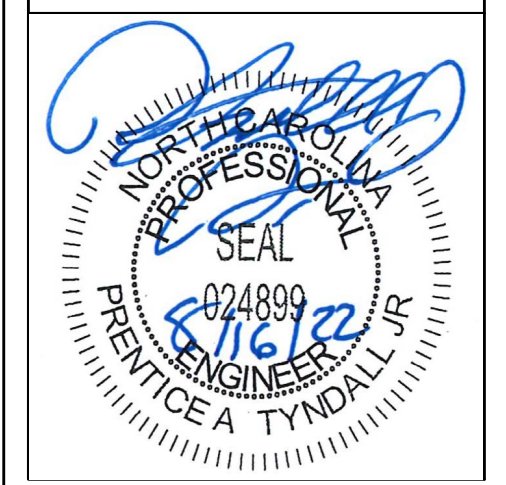
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FUQUAY-VARINA, NC 27526
Plan: **CHARMING HOME PLANS**
PLAN 915047CHP

ROOF FRAMING PLAN

Project #: **DRB2201-0023**
Date: **08/15/2022**
Engineered By: **AWL**
DWG. Checked By: **PAT**
Scale: **SCALE**

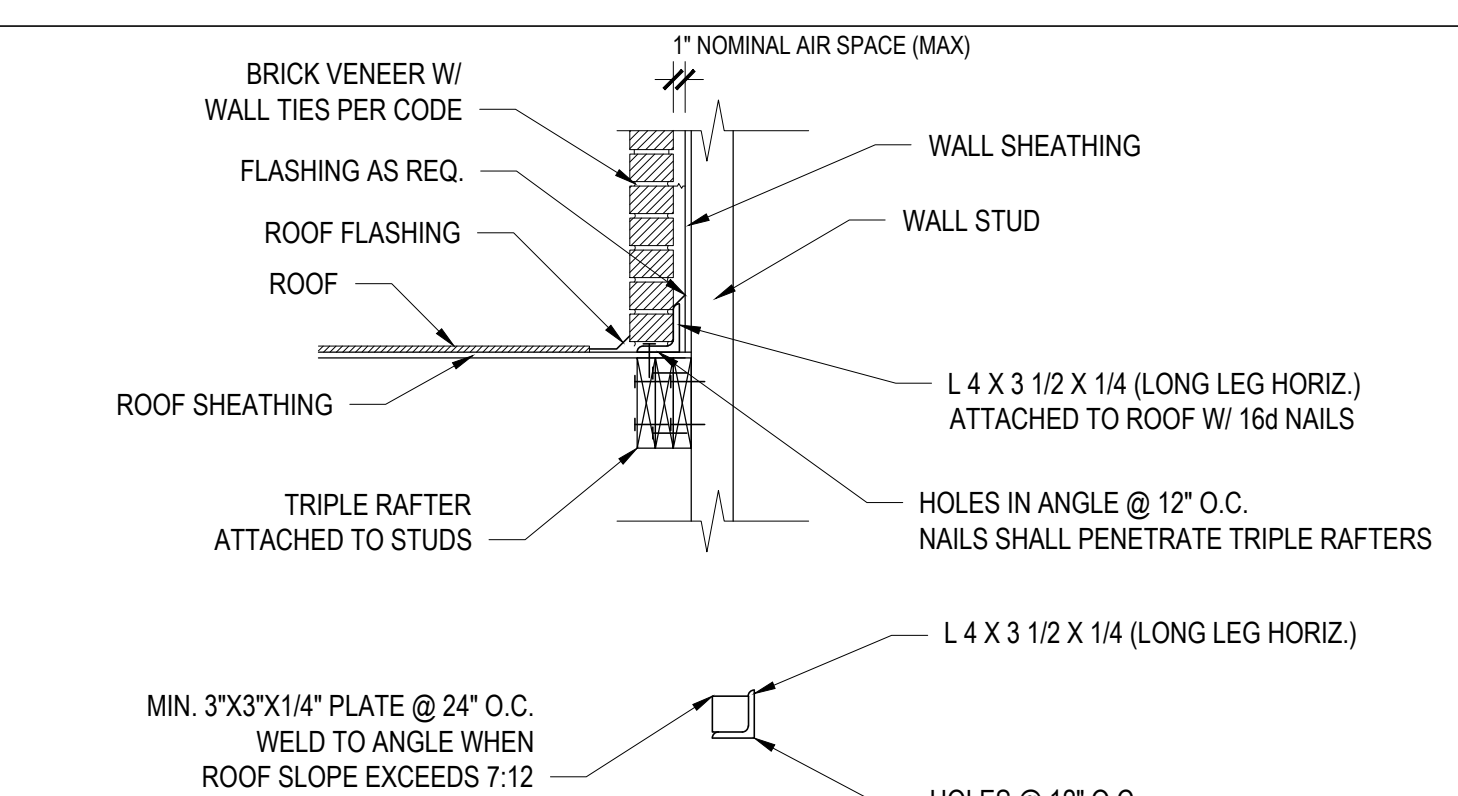
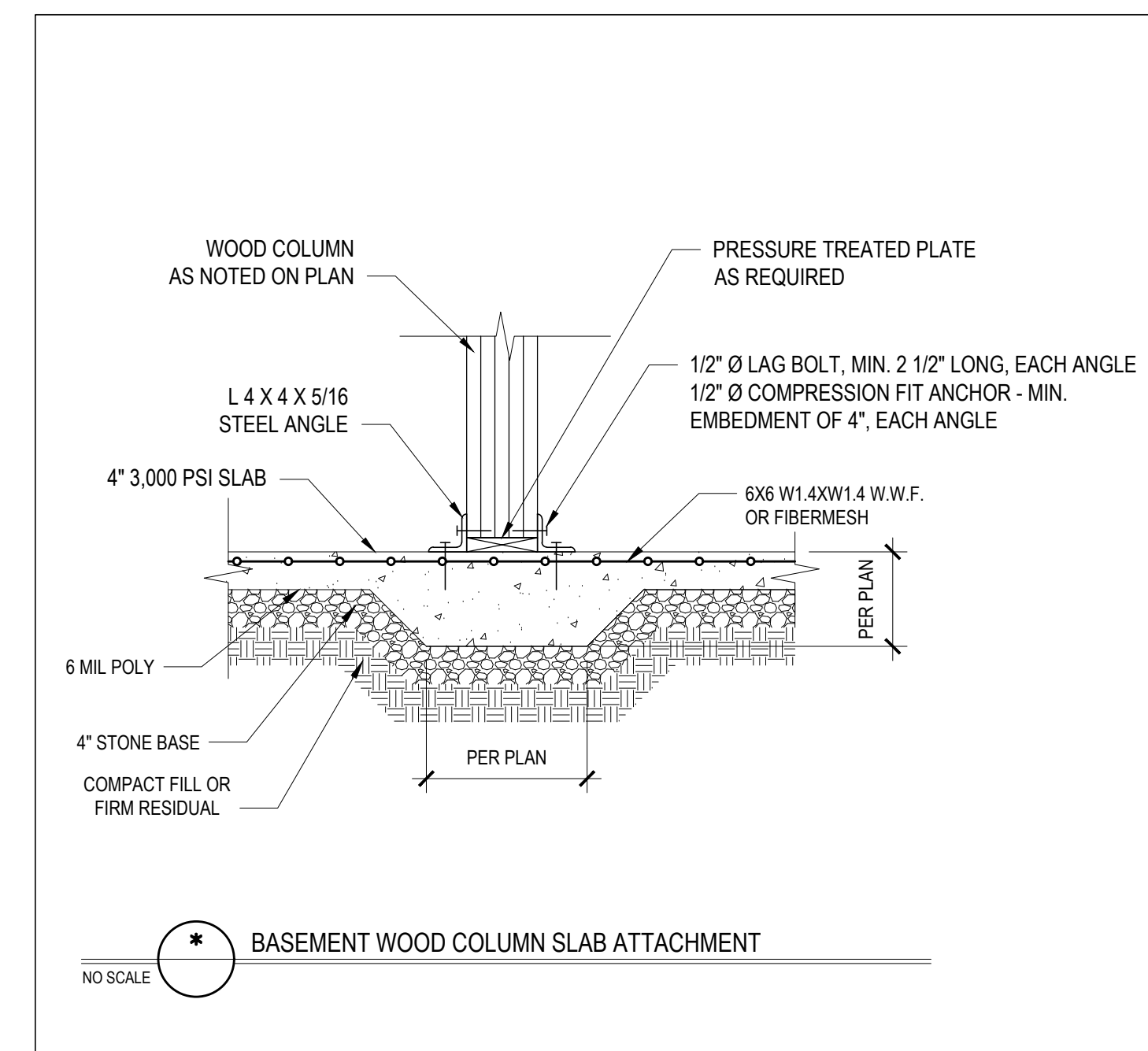
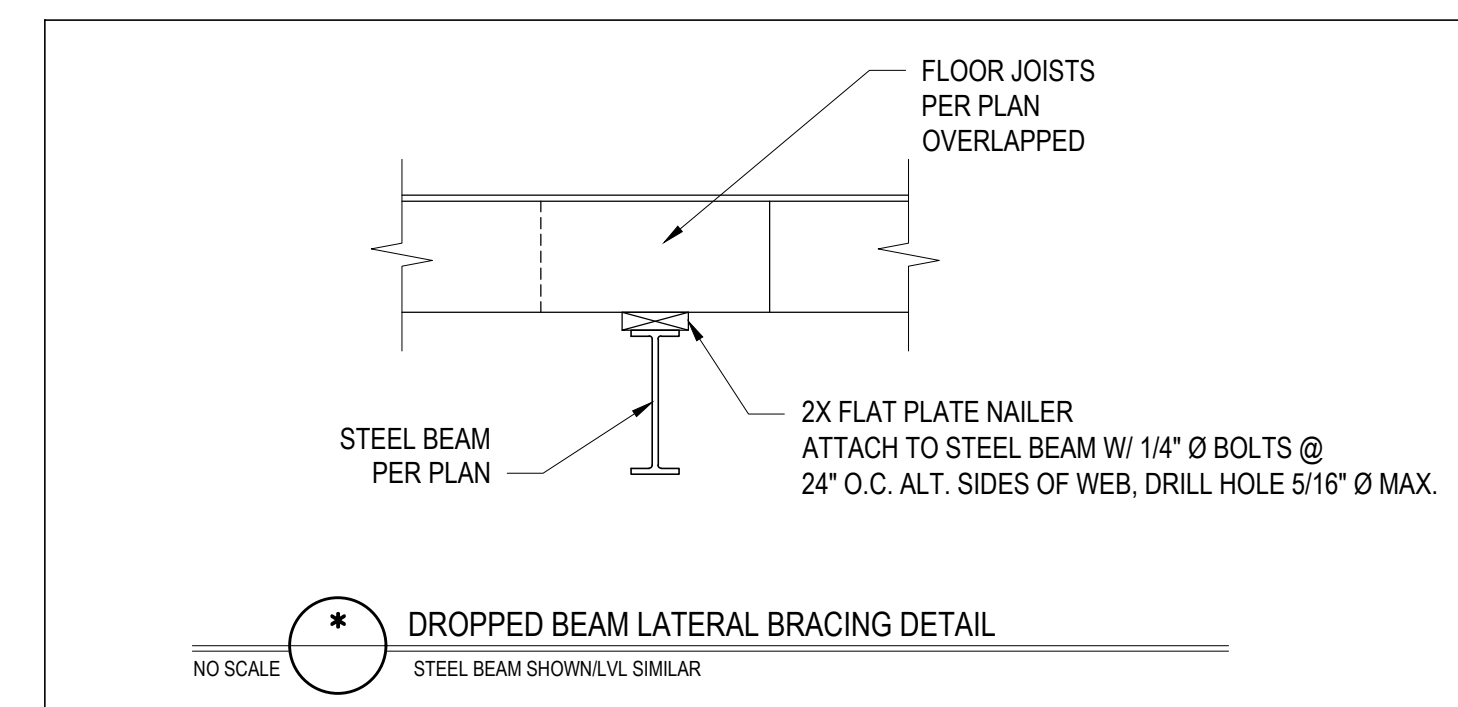
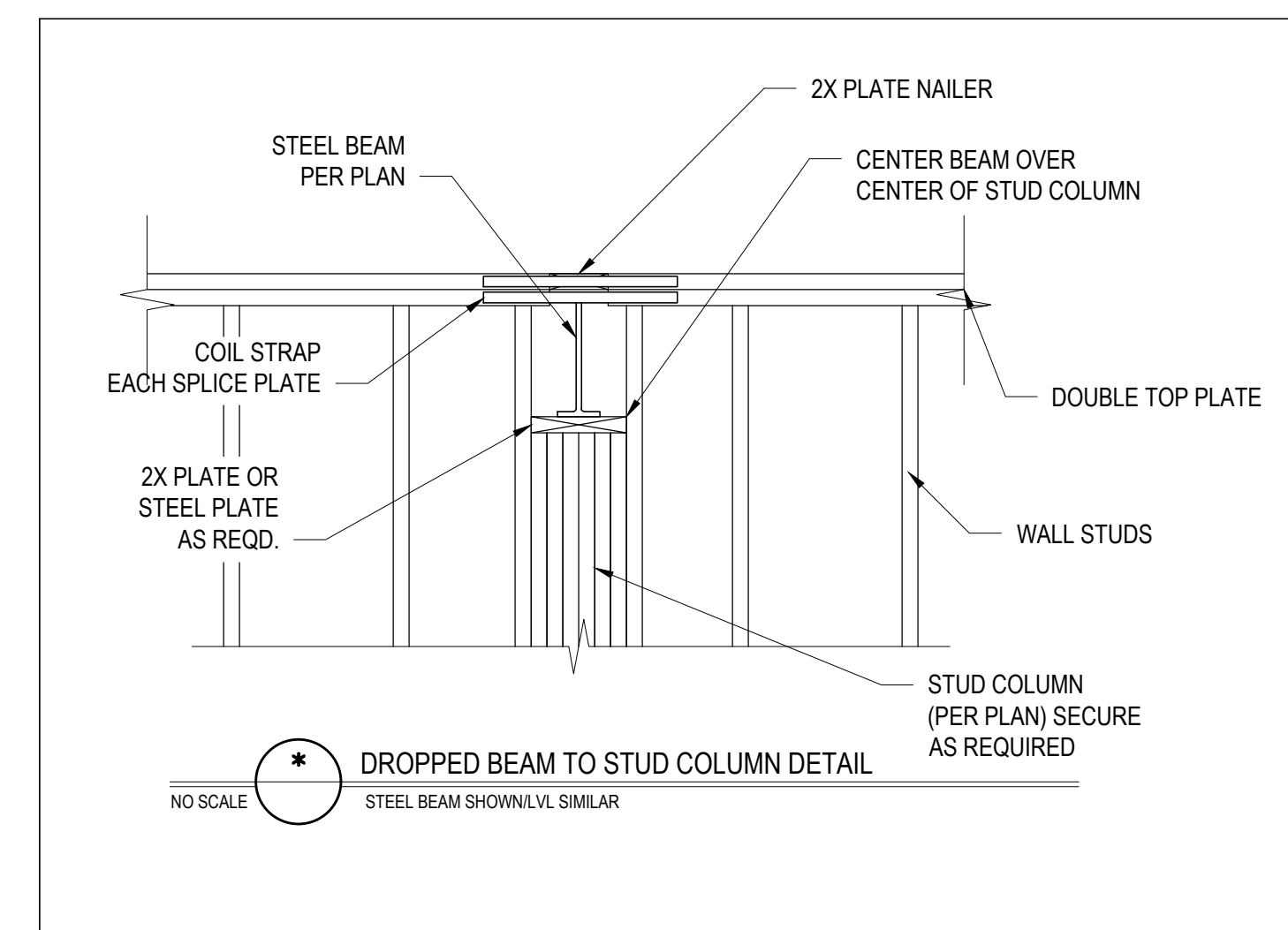
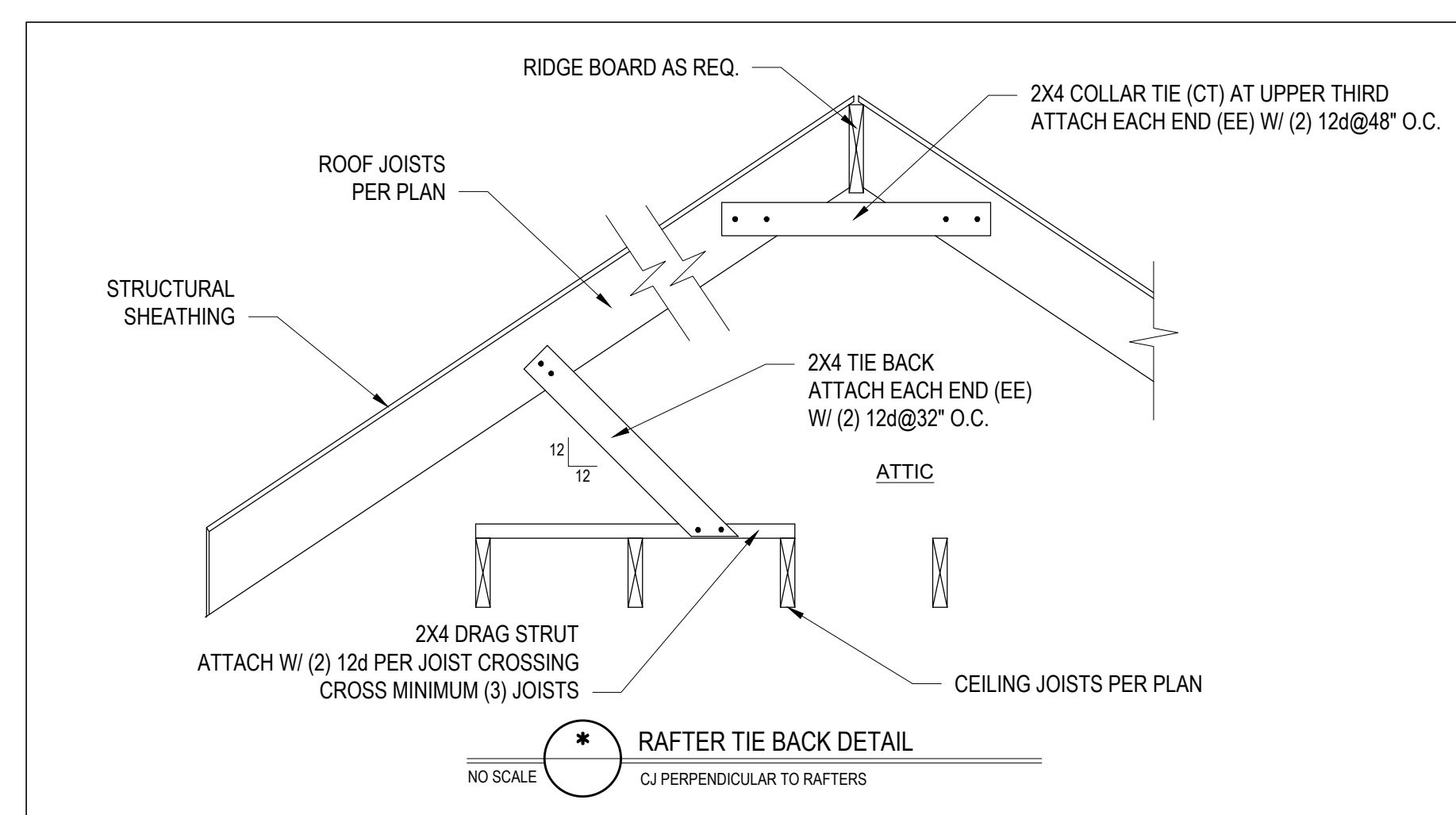
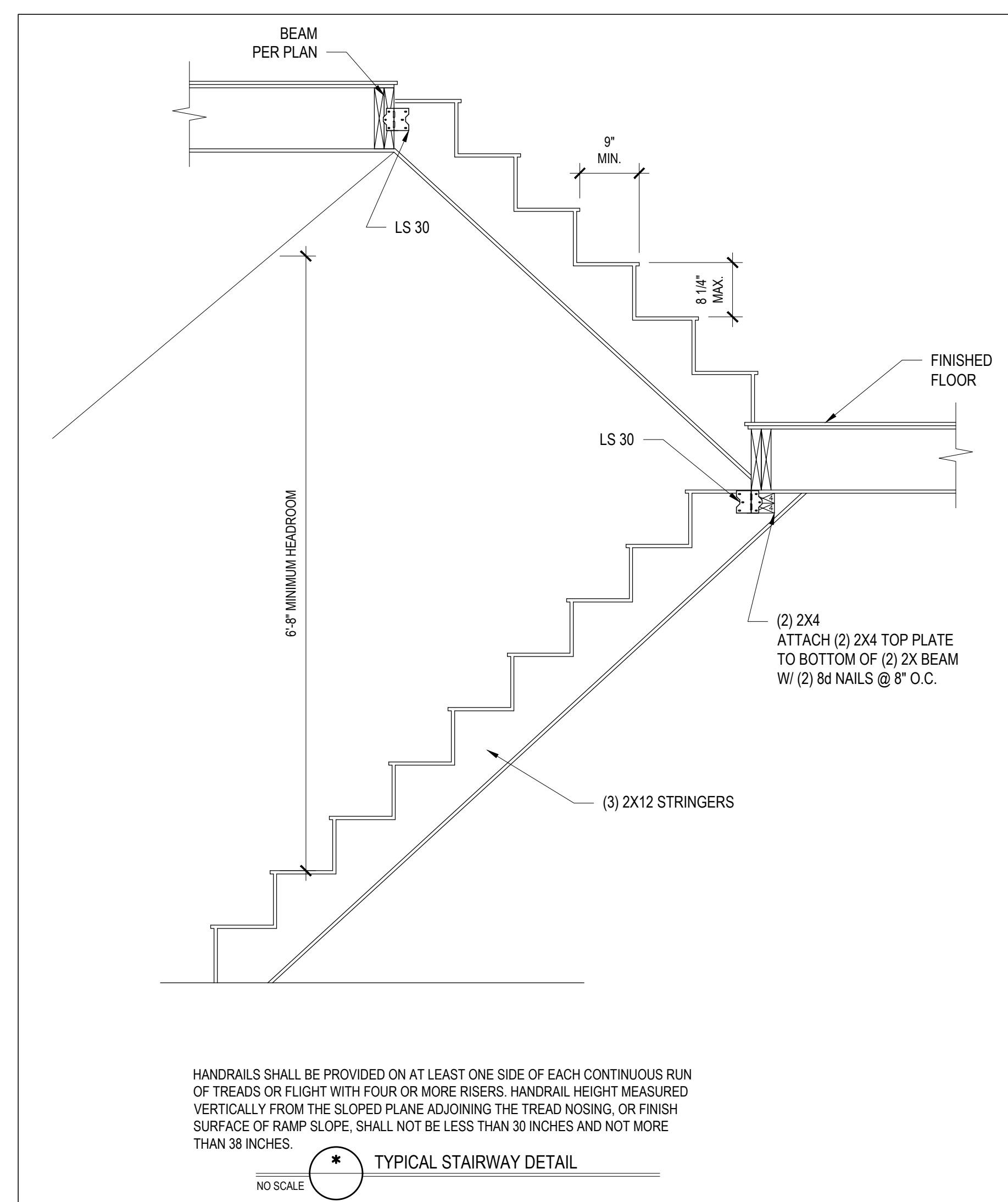
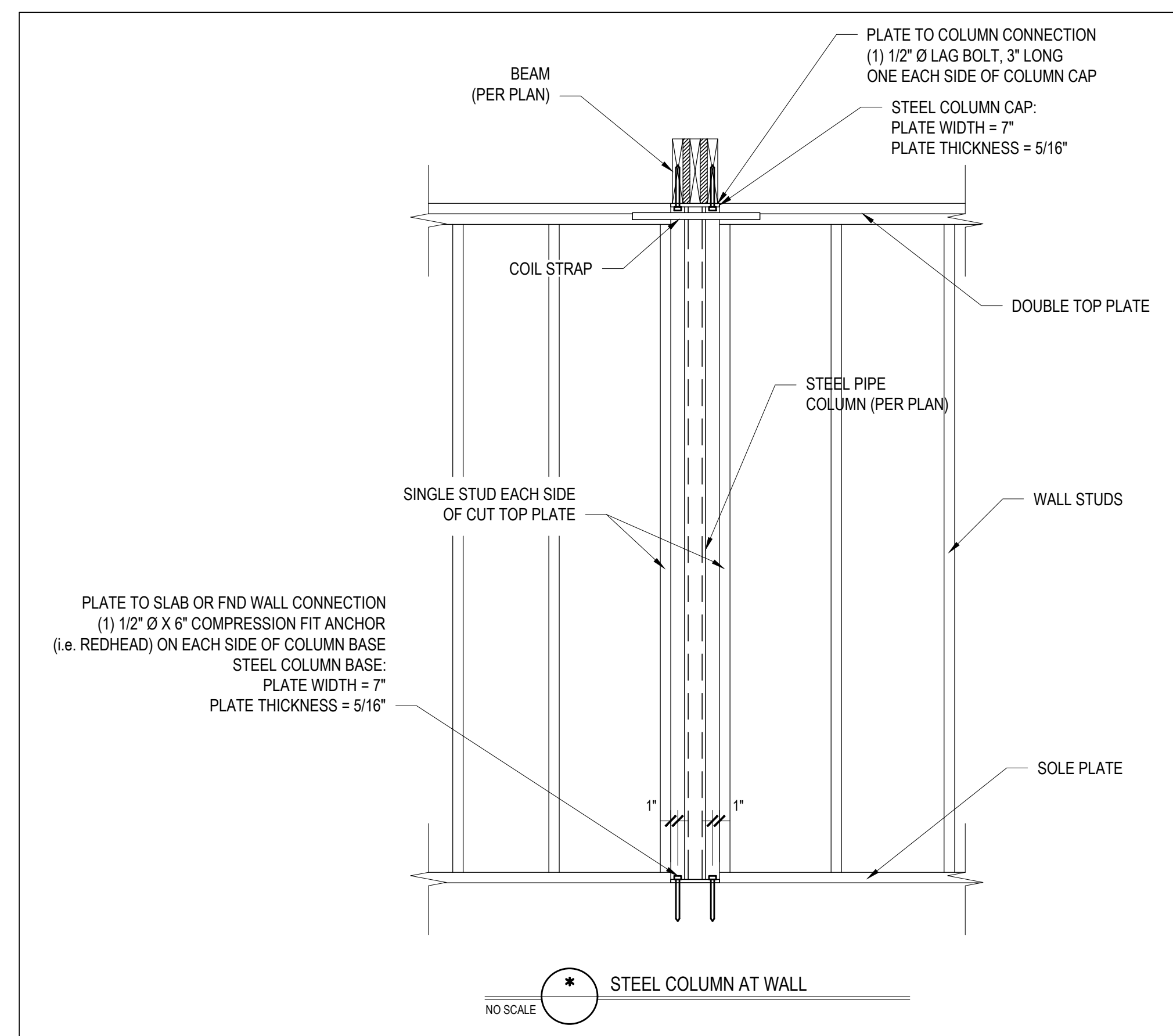
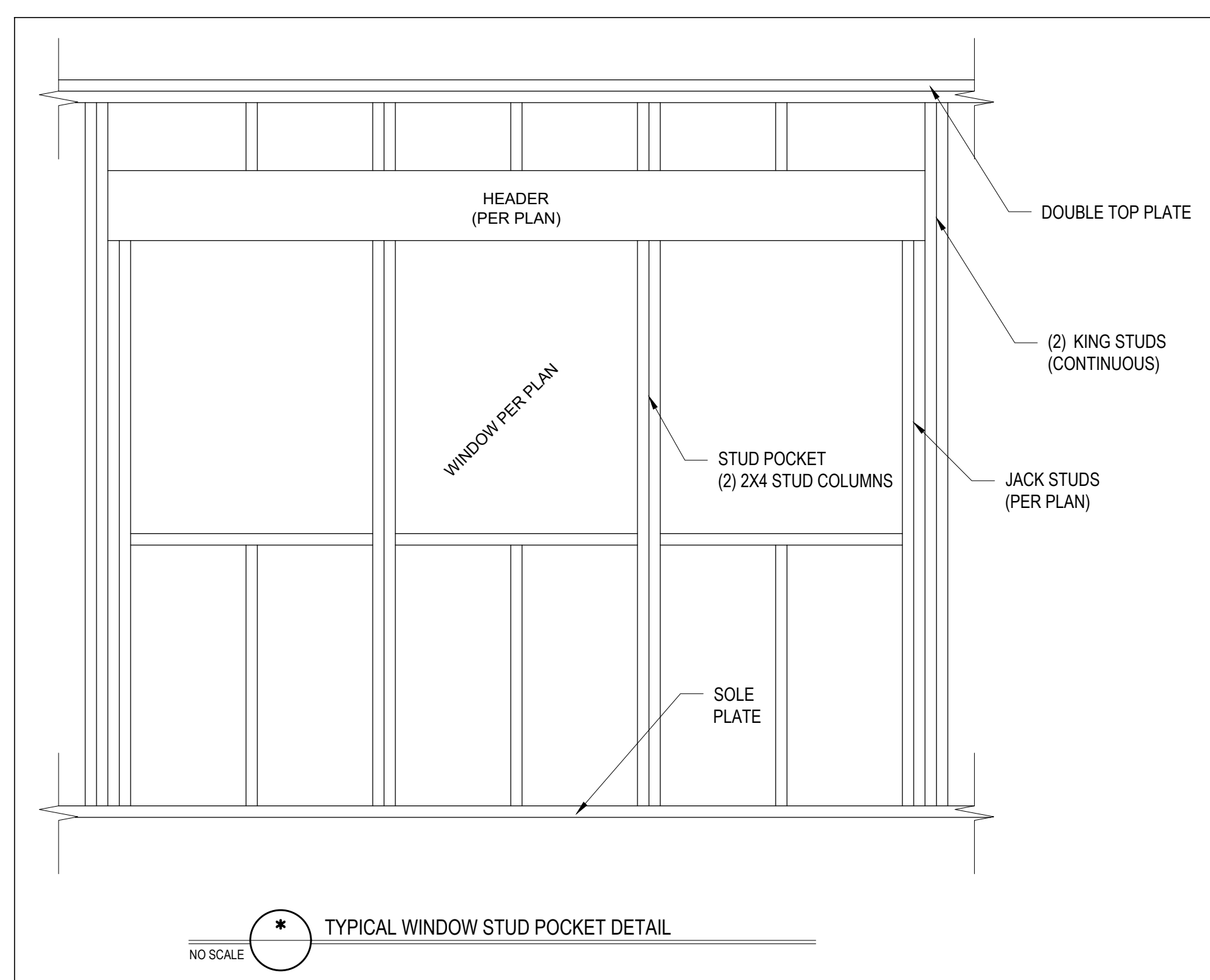
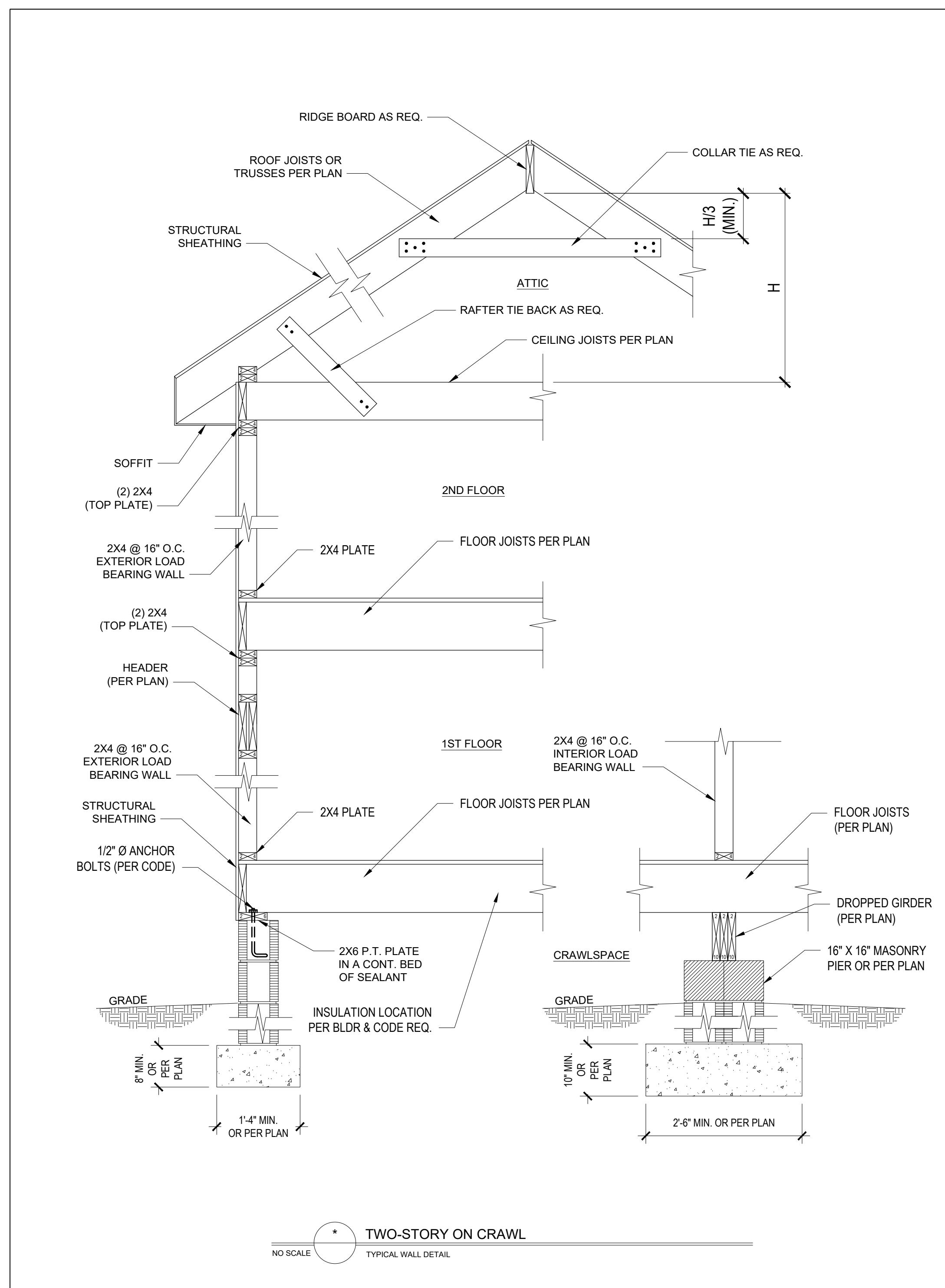
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ROOF PLAN
1/4" = 1'-0"

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ALLOWABLE SPANS FOR LINTELS SUPPORTING MASONRY VENEER

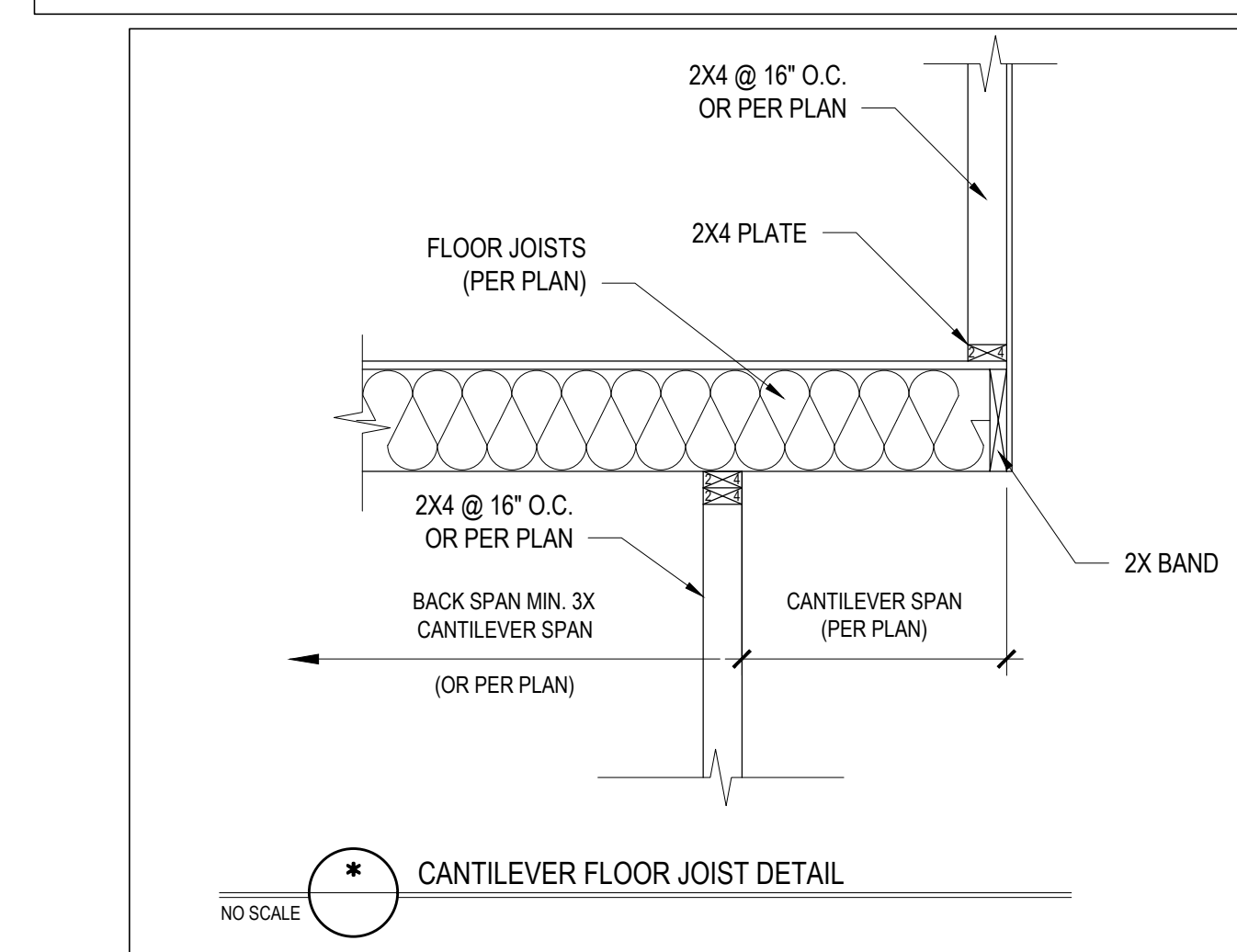
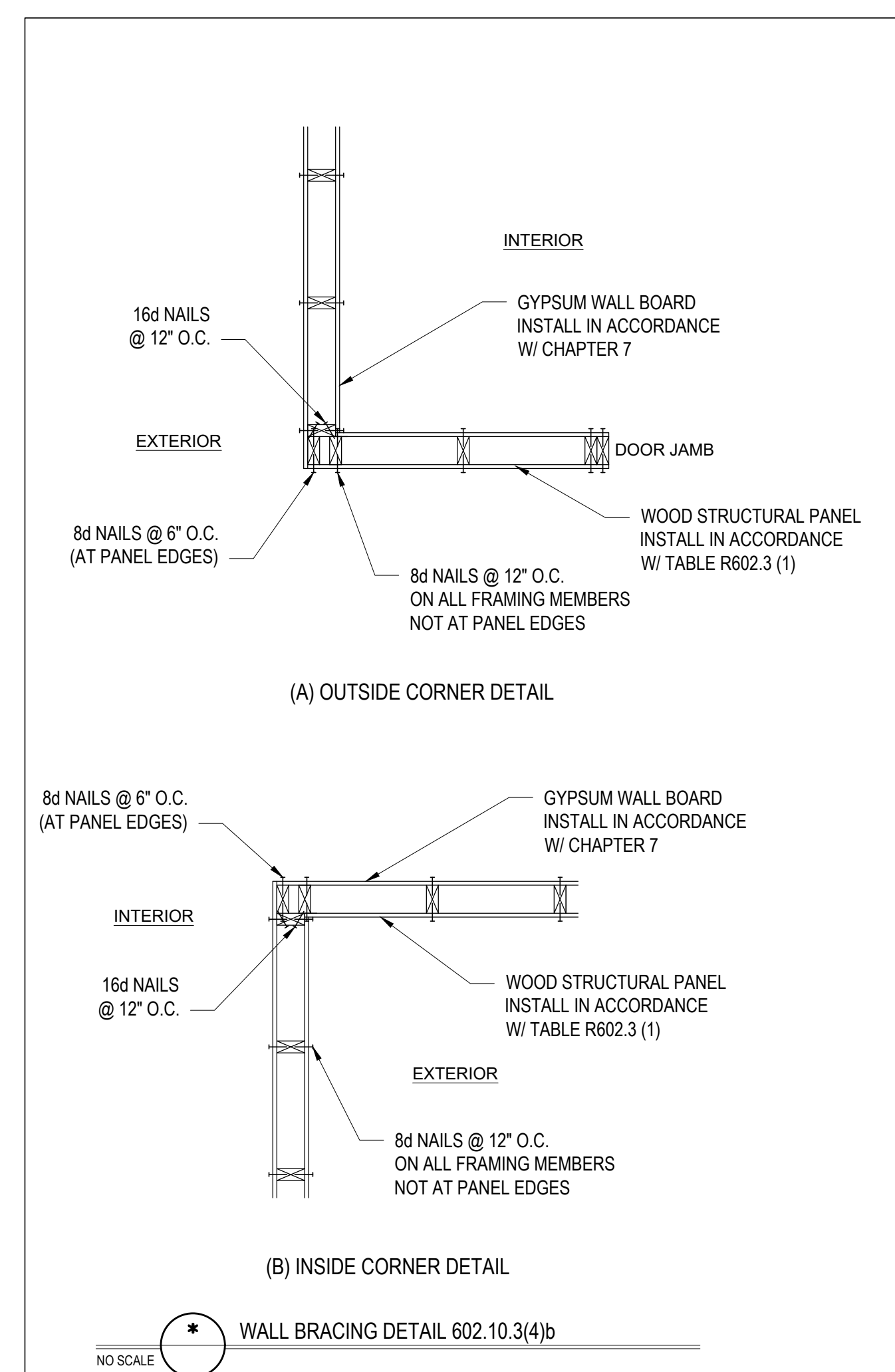
SIZE OF ANGLE (1,3)	NO STORY ABOVE (5)	1 STORY ABOVE (5)	2 STORIES ABOVE (5)	# OF 1/2" (OR EQUIV.) REINFORCING BARS IN REINFORCED LINTEL (2,4,5)
L 3 x 3 1/2	6'-0"	4'-6"	3'-0"	1
L 4 x 3 1/2	8'-0"	6'-0"	4'-6"	1
L 5 x 3 1/2 x 5/16	10'-0"	8'-0"	6'-0"	2
L 6 x 3 1/2 x 5/16	14'-0"	9'-6"	7'-0"	2
2L 5 x 3 1/2 x 5/16	20'-0"	12'-0"	9'-6"	4

1. LONG LEG OF THE ANGLE SHALL BE PLACED IN A VERTICAL POSITION.
2. DEPTH OF REINFORCED LINTELS SHALL NOT BE LESS THAN 4" AND ALL CELLS OF HOLLOW MASONRY LINTELS SHALL BE GROUTED. REINFORCING BARS SHALL EXTEND NOT LESS THAN 8" INTO THE SUPPORT.
3. STEEL MEMBERS INDICATED ARE ADEQUATE TYPICAL EXAMPLES; OTHER STEEL MEMBERS MEETING STRUCTURAL DESIGN REQUIREMENTS SHALL BE PERMITTED TO BE USED.
4. EITHER STEEL ANGLE OR REINFORCED LINTEL SHALL SPAN OPENING.
5. SPANS OVER 4'-0" SHALL BE SHORED UP UNTIL CURED.

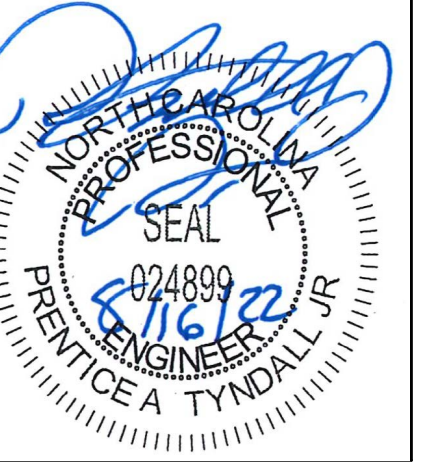
NO SCALE

HARDWARE CROSS-REFERENCE CHART

SIMPSON STRONG-TIE PRODUCT NUMBER	USP STRUCTURAL CONNECTORS PRODUCT NUMBER
A35	MPA1
ABE	PAE
CB5Q	CB5Q
CCO	KCCO
CMSTC16	CMSTC16
CS	RS
H1	RT15
H2.5A	RT7A
H10	RT16
HQB-SDS3	LPHD8
HU2-SDS2.5	PHD2
HU5-SDS2.5	PHD5
HTA	HTA
HGAM10KTA	HGAM
HHDQ14-SDS2.5	LPHD14
H15	HTW
H1T	H1T
H1S	H1S
LTA1	LPTA
L1NAB	H256
L1N4	MPNF
L1S	J1S
MAS	FA3
MSTAM	MSTAM
PC	PCM
PHD-SDS3	PHD
SSP	RSP16
STC	TR1
STD	STD



*Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precautions.
Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. liability.
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Client: **GLENN FRYE**
6520 TEMPLE VIEW LANE
FUQUAY-VARINA, NC 27526

Project #: **DRB2201-0023**
Date: **08/15/2022**
Engineered By: **AWL**
DWG. Checked By: **PAT**
Scale: **SCALE**

Plan: **CHARMING HOME PLANS**
Plan **915047CHP**

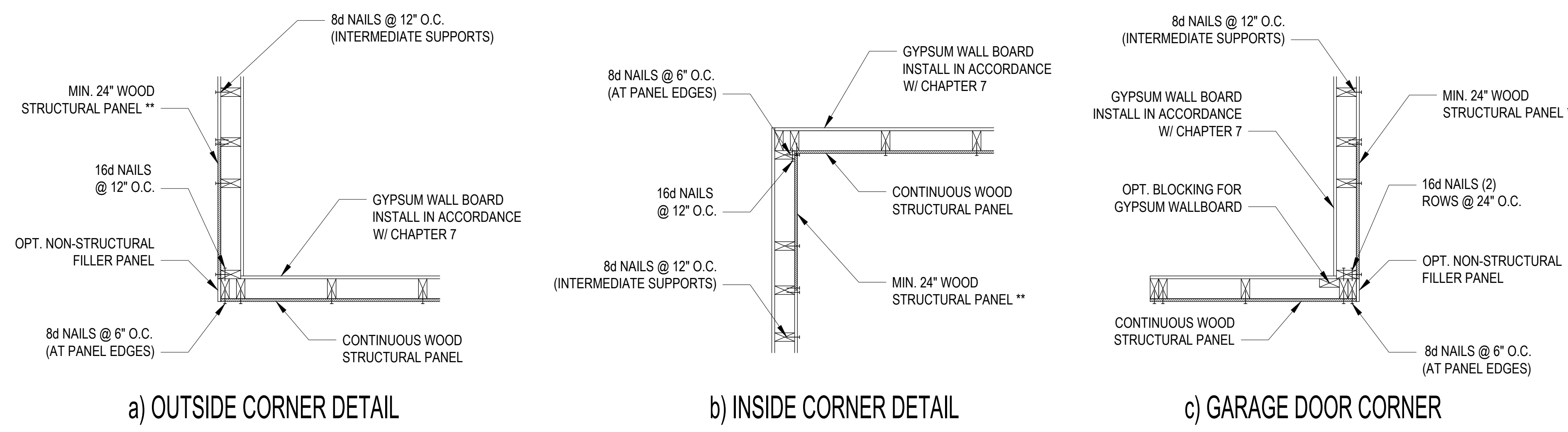
STANDARD
DETAILS

Project #: **DRB2201-0023**
Date: **08/15/2022**
Engineered By: **AWL**
DWG. Checked By: **PAT**
Scale: **SCALE**

REVISIONS

No.	Date	Remarks

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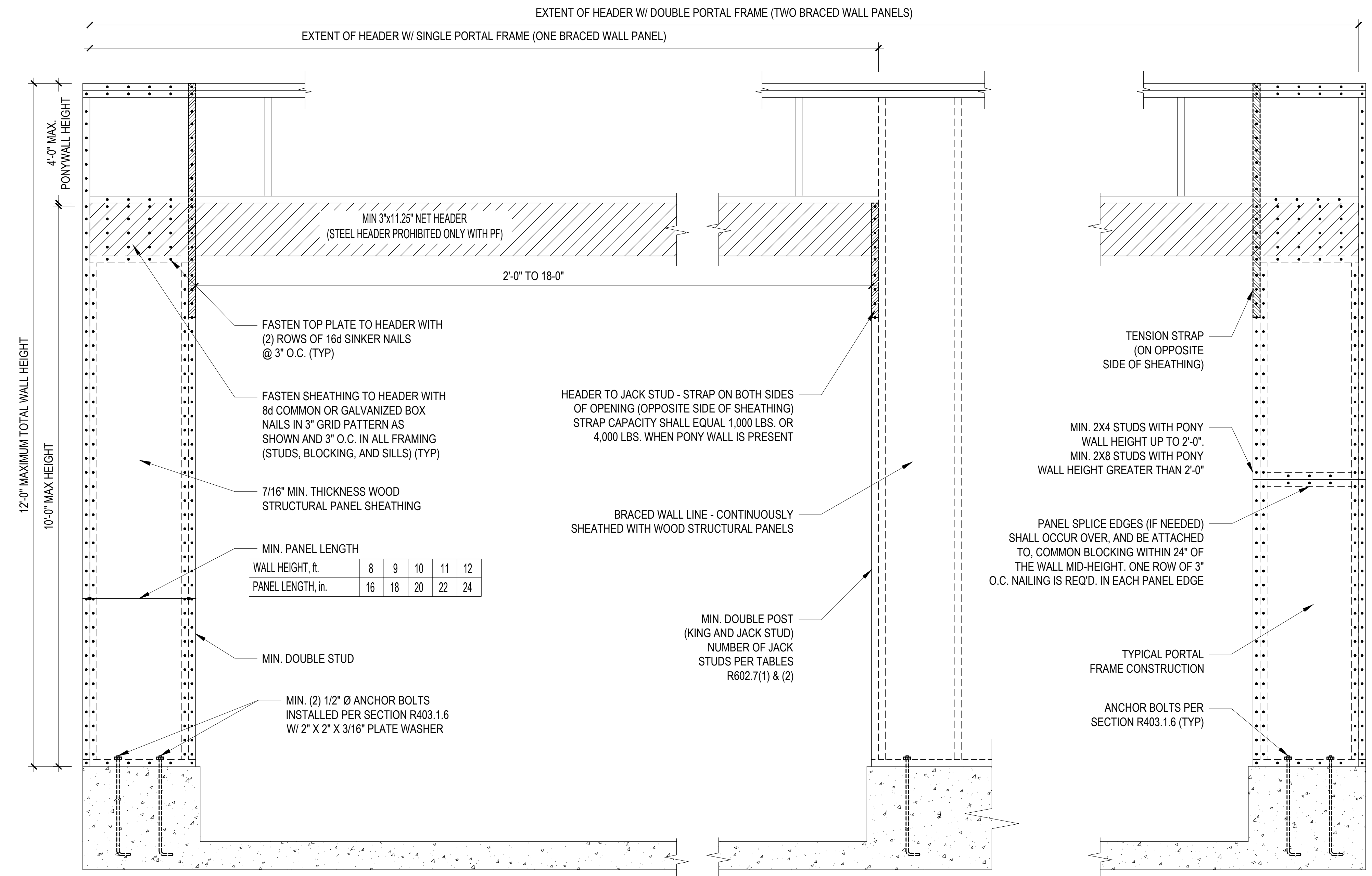
B1: TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING
NO SCALE

STRUCTURAL SHEATHING NOTES

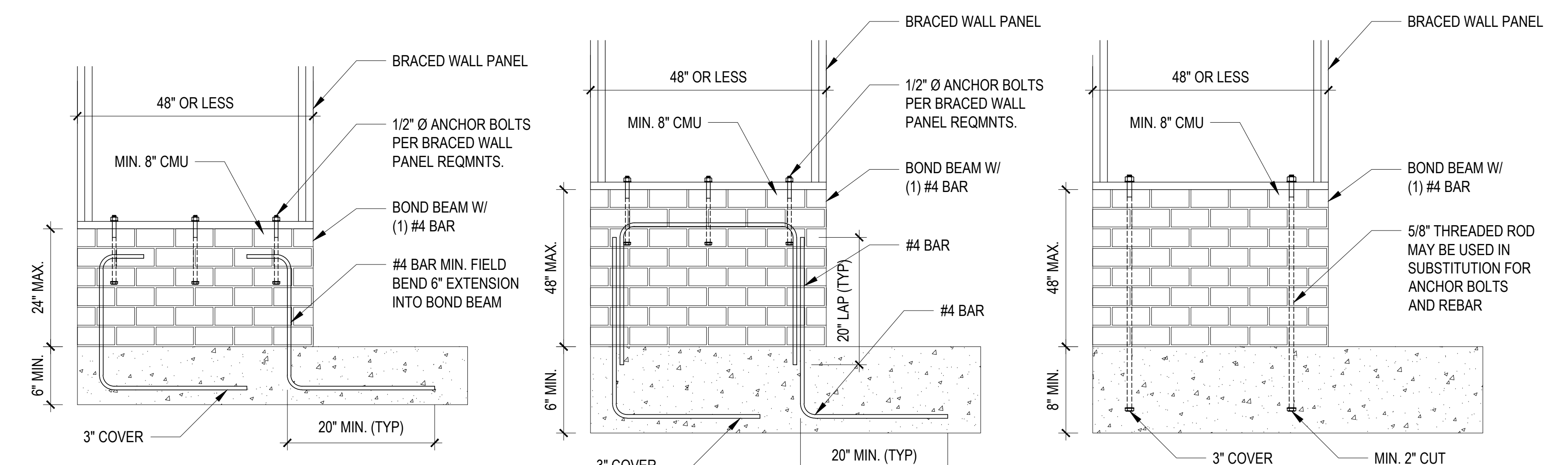
- DESIGNED FOR SEISMIC ZONE A-C AND WIND SPEEDS OF 120 MPH OR LESS.
- WALLS SHALL BE BRACED IN ACCORDANCE WITH SECTION R602.10 OF THE 2018 NRC.
- BRACING REQUIREMENTS SHALL BE PER TABLE R602.10.3. REFER TO SECTION R602.10.4 FOR LOAD PATH DETAILS INCLUDING CONNECTIONS & SUPPORT OF BRACED WALL PANELS.
- INTERIOR BRACED WALL PANELS (BWP) INDICATED SHALL BE SHEATHED IN ACCORDANCE WITH THE GB METHOD OR WSP METHOD AS PRESCRIBED IN SECTION R602.10.1 (UNO).
- EXTERIOR BRACED WALL PANELS (BWP) SHALL BE SHEATHED IN ACCORDANCE WITH CS-WSP METHOD AS PRESCRIBED IN SECTION R602.10.3 (UNO).
- ALL SHEATHABLE SURFACES OF EXTERIOR WALLS (INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS) SHALL BE CONTINUOUSLY SHEATHED WITH WOOD STRUCTURAL PANEL (WSP) SHEATHING WITH A MINIMUM THICKNESS OF 3/8\"/>

REQUIRED BRACED WALL PANEL CONNECTIONS				
METHOD	MATERIAL	MIN. THICKNESS	REQUIRED CONNECTION	
			@ PANEL EDGES	@ INTERMEDIATE SUPPORTS
CS-WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS @ 6\"/>	

B3: BRACE WALL PANEL CONNECTIONS
NO SCALE

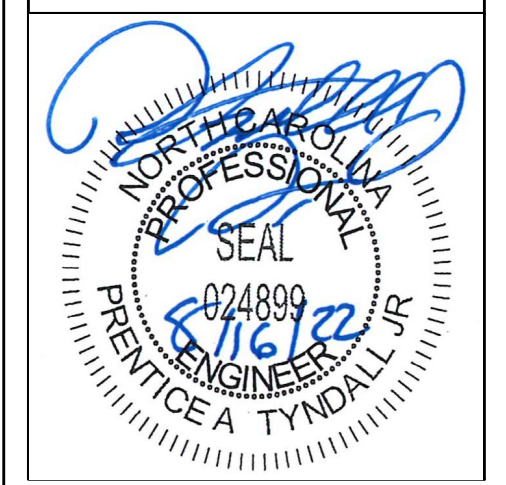


B2: METHOD CS-PF: CONTINUOUSLY SHEATHED PORTAL FRAME
FIGURE R602.10.1



B4: MASONRY STEM WALL SUPPORTING BRACED WALL PANELS
FIGURE R602.10.4.3 OF THE 2018 NRC
NOTE: GROUT BOND BEAMS AND ALL CELLS WHICH CONTAIN REBAR, THREADED RODS AND ANCHOR BOLTS

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PLAN 915047CHP

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