

REVISIONS		
No.	Date	Remarks
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FRONT ELEVATION

1/4" = 1'-0"

CRAWL SPACE VENTILATION CALCULATIONS

-VENT LOCATIONS MAY VARY FROM THOSE SHOWN ON THE PLAN BUT SHOULD BE PLACED TO PROVIDE ADEQUATE VENTILATION AT ALL POINTS TO PREVENT DEAD AIR POCKETS.

-100% VAPOR BARRIER MUST BE PROVIDED WITH 12" MIN. LAP JOINTS.

-THE TOTAL AREA OF VENTILATION OPENINGS MAY BE REDUCED TO 1/1500 AS LONG AS REQUIRED OPENINGS ARE PLACED SO AS TO PROVIDE CROSS-VENTILATION OF THE SPACE. THE INSTALLATION OF OPERABLE LOUVERS SHALL NOT BE PROHIBITED. (COMPLY WITH NC CODE MIN. WITH REGARD TO VENT PLACEMENT FROM CORNERS)

N/A SQ. FT. OF CRAWL SPACE/1500

N/A SQ. FT. OF REQUIRED VENTILATION

PROVIDED BY: N/A VENTS AT 0.45 SQ. FT. NET FREE

VENTILATION EACH= N/A SQ. FT. OF VENTILATION

**FOUNDATION DRAINAGE- WATERPROOFING PER SECTIONS 405 & 406.

ATTIC VENTILATION CALCULATIONS

- CALCULATIONS SHOWN BELOW ARE BASED ON VENTILATORS USED AT LEAST 3 FT. ABOVE THE CORNICE VENTS WITH THE BALANCE OF VENTILATION PROVIDED BY EAVE VENTS.

- CATHEDRAL CEILINGS SHALL HAVE A MIN. 1" CLEARANCE BETWEEN THE BOTTOM OF THE ROOF DECK AND THE INSULATION.

2418 SQ. FT. OF ATTIC/300= 8.06

EACH OF INLET AND OUTLET REQUIRED.

*WALL AND ROOF CLADDING DESIGN VALUES

- WALL CLADDING IS DESIGNED FOR A 24.1 SQ. FT. OR GREATER POSITIVE AND NEGATIVE PRESSURE.

- ROOF VALUES BOTH POSITIVE AND NEGATIVE SHALL BE AS FOLLOWS:

45.5 LBS. PER SQ. FT. FOR ROOF PITCHES OF 0/12 TO 2.25/12

34.8 LBS. PER SQ. FT. FOR ROOF PITCHES OF 2.25/12 TO 7/12

21 LBS. PER SQ. FT. FOR ROOF PITCHES OF 7/12 TO 12/12

** MEAN ROOF HEIGHT 30' OR LESS

GENERAL NOTES:

- IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT ALL DIMENSIONS, ROOF PITCHES, AND SQUARE FOOTAGE ARE CORRECT PRIOR TO CONSTRUCTION. K&A HOME DESIGNS, INC. IS NOT RESPONSIBLE FOR ANY DIMENSIONING, ROOF PITCH, OR SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS.
- ALL WALLS SHOWN ON THE FLOOR PLANS ARE DRAWN AT 4" UNLESS NOTED OTHERWISE.
- ALL ANGLED WALL SHOWN ON THE PLANS ARE 45 DEGREES UNLESS NOTED OTHERWISE.
- STUD WALL DESIGN SHALL CONFORM TO ALL NORTH CAROLINA STATE BUILDING CODE REQUIREMENTS.
- DO NOT SCALE PLANS. DRAWING SCALE MAY BE DISTORTED DUE TO COPIER IMPERFECTIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NORTH CAROLINA RESIDENTIAL STATE BUILDING CODE, 2018 EDITION.

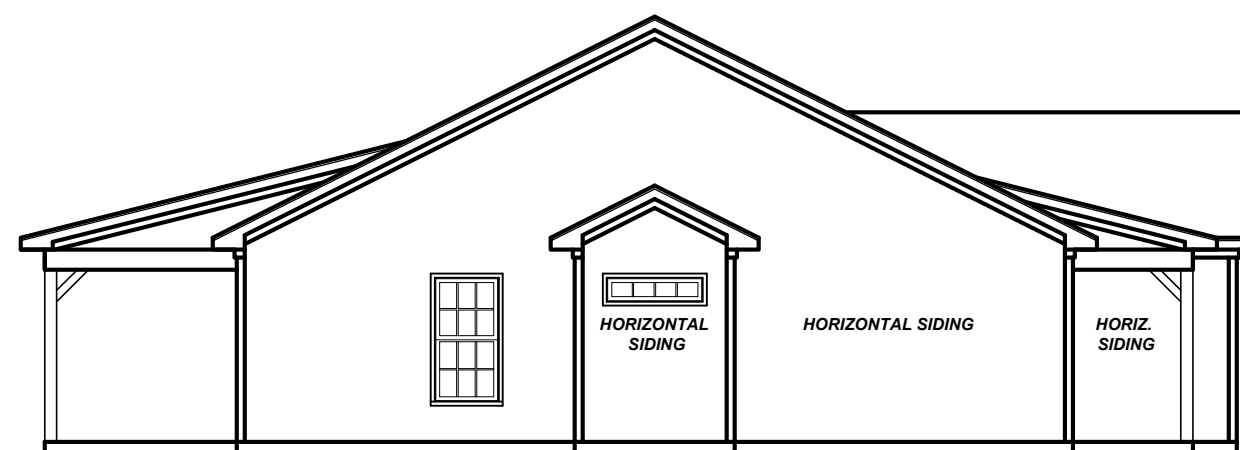
SQUARE FOOTAGE

HEATED SQUARE FOOTAGE		UNHEATED SQUARE FOOTAGE	
FIRST FLOOR=	1567	GARAGE=	498
SECOND FLOOR=	N/A	FRONT PORCH=	145
THIRD FLOOR=	N/A	CVD. PATIO=	208
BASEMENT=	N/A	DECK=	N/A
		STORAGE=	N/A
TOTAL HEATED=	1567	TOTAL UNHEATED=	851



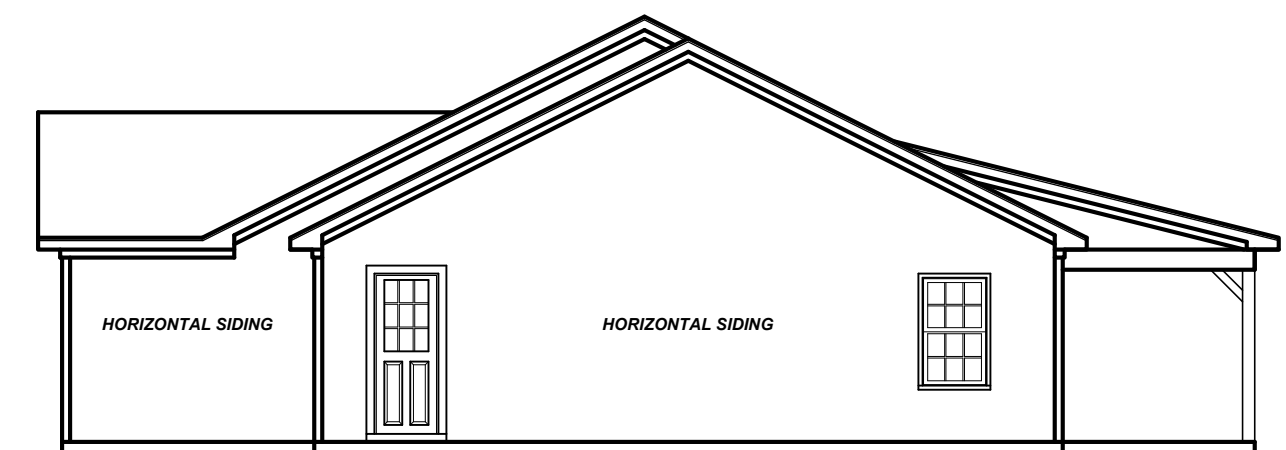
REAR ELEVATION

1/8" = 1'-0"



LEFT ELEVATION

1/8" = 1'-0"



RIGHT ELEVATION

1/8" = 1'-0"



Jackson
Residence

Patricia & James
Jackson
4424 N Ashe Ave.
Dunn, NC 28334

ELEVATIONS

Sheet Number

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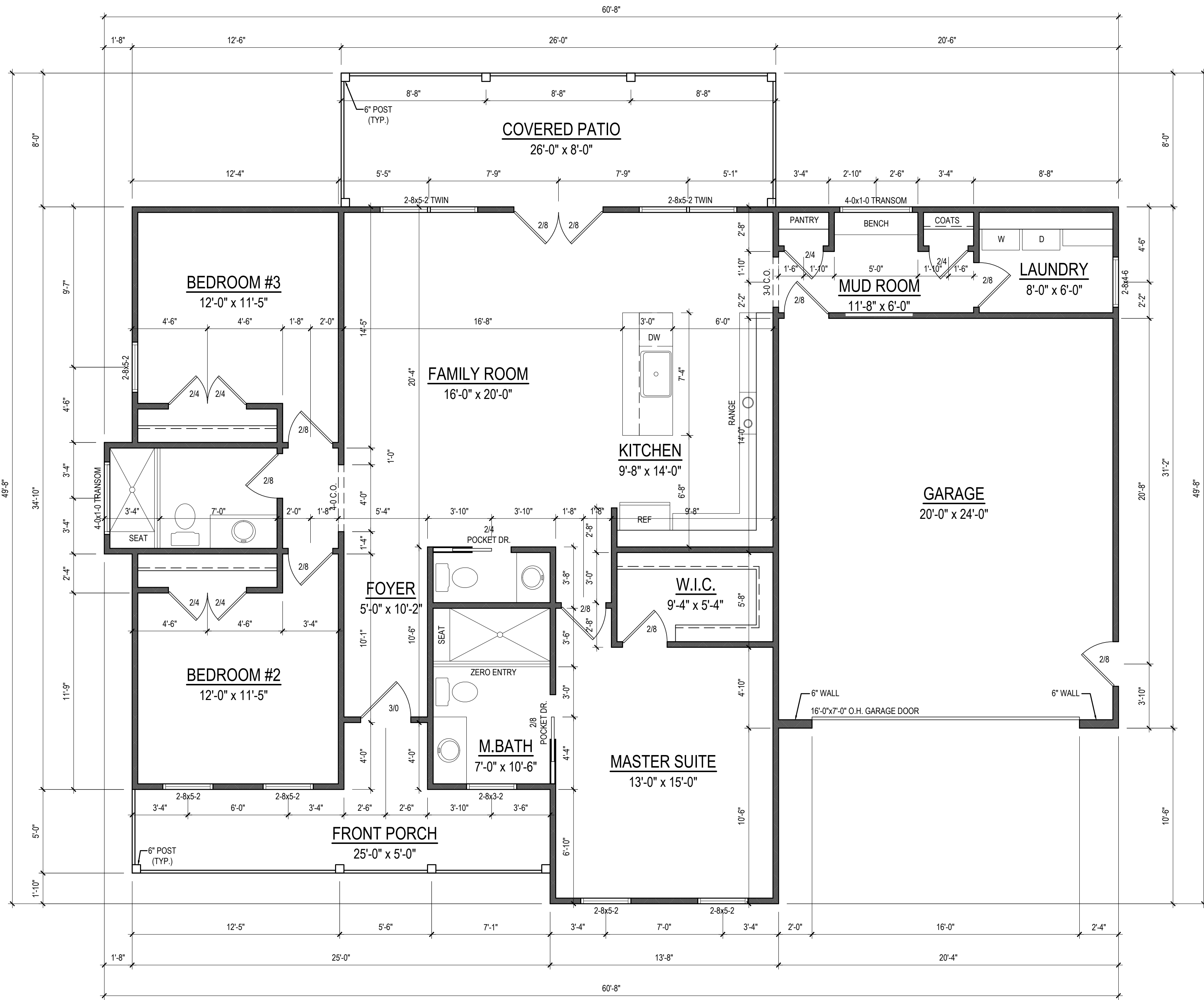
9101 Ten-Ten Rd.
Raleigh, NC 27603
Office: (919) 302-0693



Jackson Residence

Patricia & James Jackson
4424 N Ashe Ave.
Dunn, NC 28334

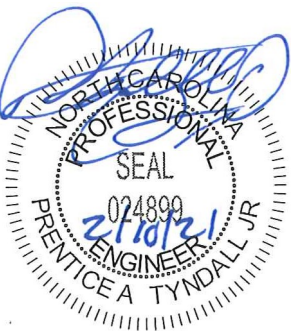
FIRST FLOOR



FIRST FLOOR PLAN
1/4" = 1'-0" CEILING HT. = 8'-0"

Email: Kent@KandAHomeDesigns.com Website: www.KandAHomeDesigns.com

* Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precaution.
 * 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.
 * Please review these documents carefully.
 Tyndall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.



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280 Shipwash Drive • Garner • North Carolina • 27839
 919 775-3800 • 919 775-9688
 www.tyndallengineering.com

Client: **PATRICIA & JAMES JACKSON**

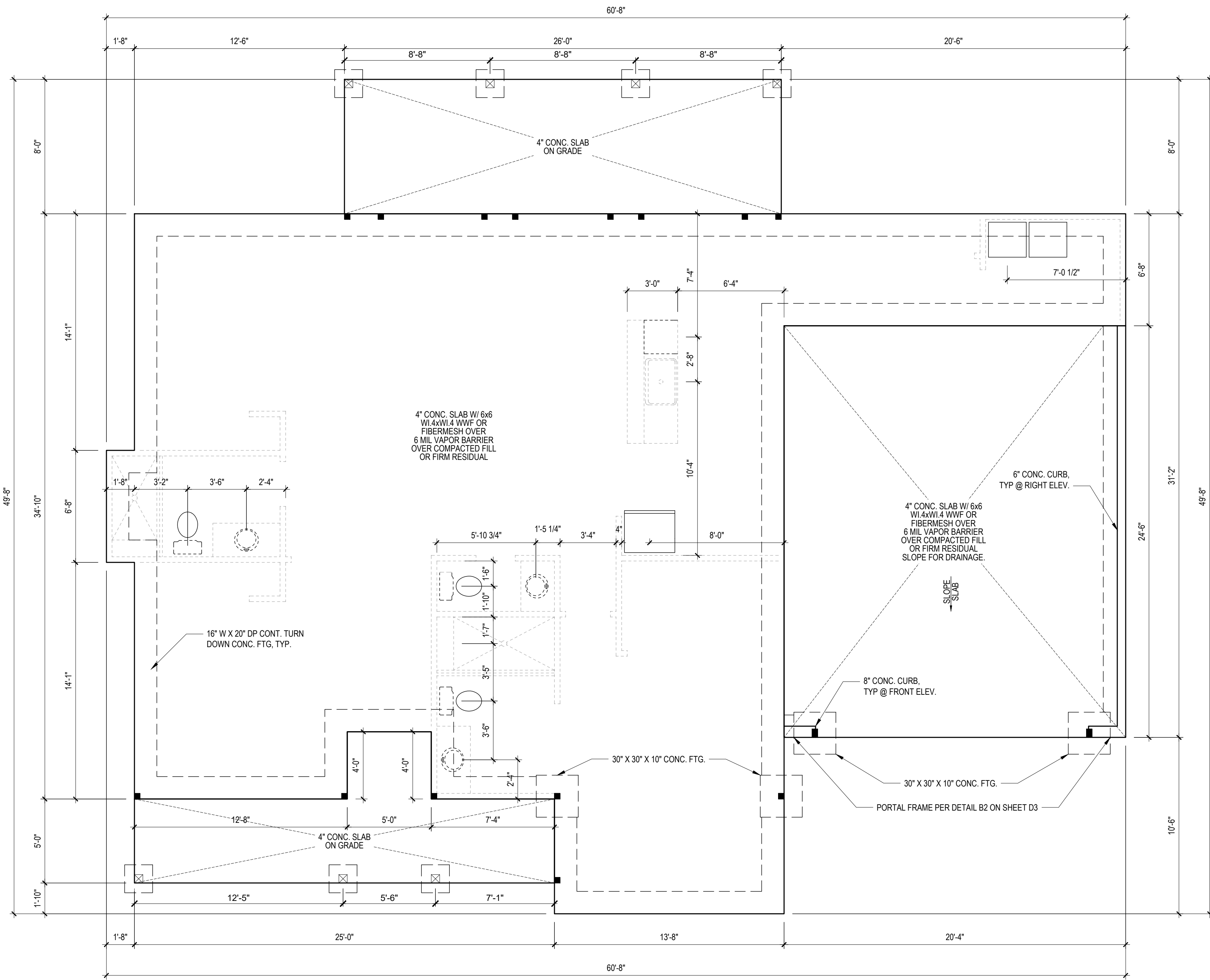
Date: **JACKSON RESIDENCE**

FDN. PLAN
1ST FLR. FRMG.

Project #:	2101-010009
Date:	01/21/21
Drawn/Design By:	KFR
DWG. Checked By:	PSE
Scale:	SEE PLAN

REVISIONS		
No.	Date	Remarks

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

FILENAME: Z:\RESIDENTIAL_ENG\2021 STRUCTURAL PROJECTS\2101-010009 - PATRICIA & JAMES JACKSON\CAD PLETS\2101-010009_E.DWG SWED BR: PROVIDE TYNDALL LAST PLOT DATE: 2/10/2021 10:40 AM

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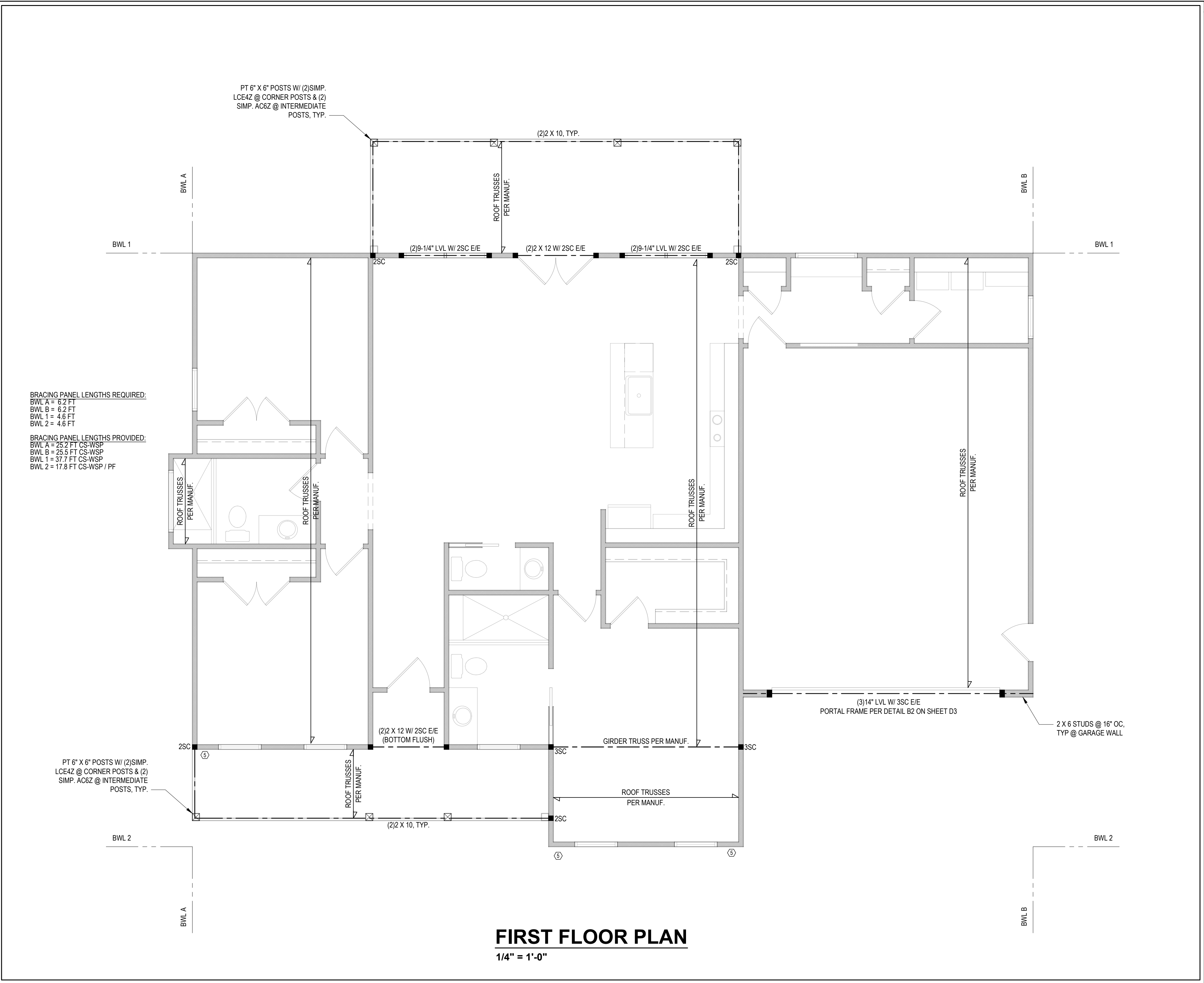
Date: **JACKSON RESIDENCE**

**1ST FLR. HEADER
2ND FLR. FRMG.**

Project #:	2101-010009
Date:	01/21/21
Drawn/Design By:	KFR
DWG. Checked By:	PSE
Scale:	SEE PLAN

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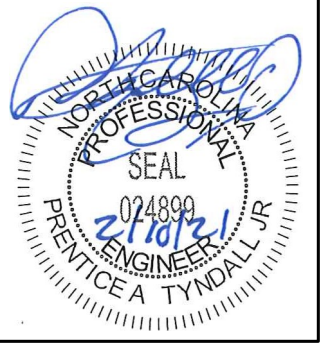
Sheet Number
S2
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FIRST FLOOR PLAN
1/4" = 1'-0"

FILENAME: Z:\RESIDENTIAL_ENG\2021 STRUCTURAL PROJECTS\2101-010009 - PATRICIA & JAMES JACKSON\CAD PLEST\2101-010009_E.DWG SWED BR: PROVIDE TYNDALL LAST PLOT DATE: 2/10/2021 10:40 AM

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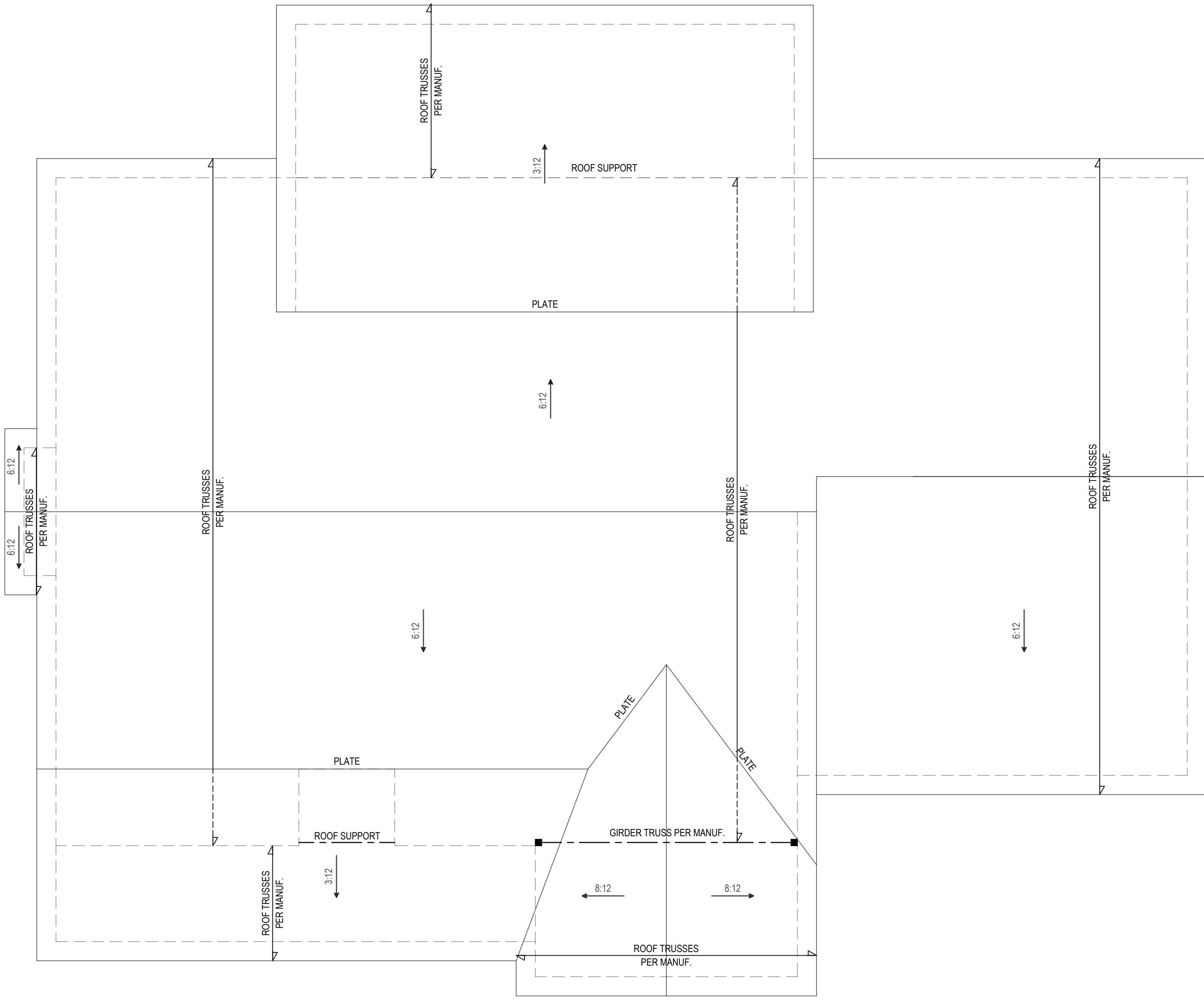
Date: **JACKSON RESIDENCE**

ROOF PLAN

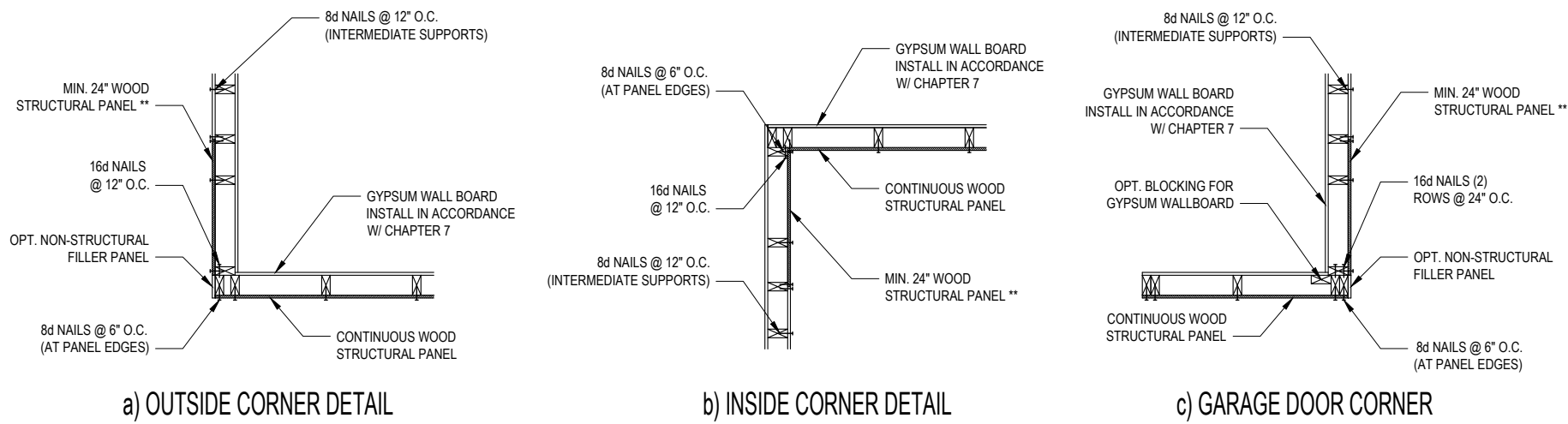
Project #: 2101-010009
 Date: 01/21/21
 Drawn/Design By: KFR
 DWG. Checked By: PSE
 Scale: NOT TO SCALE

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



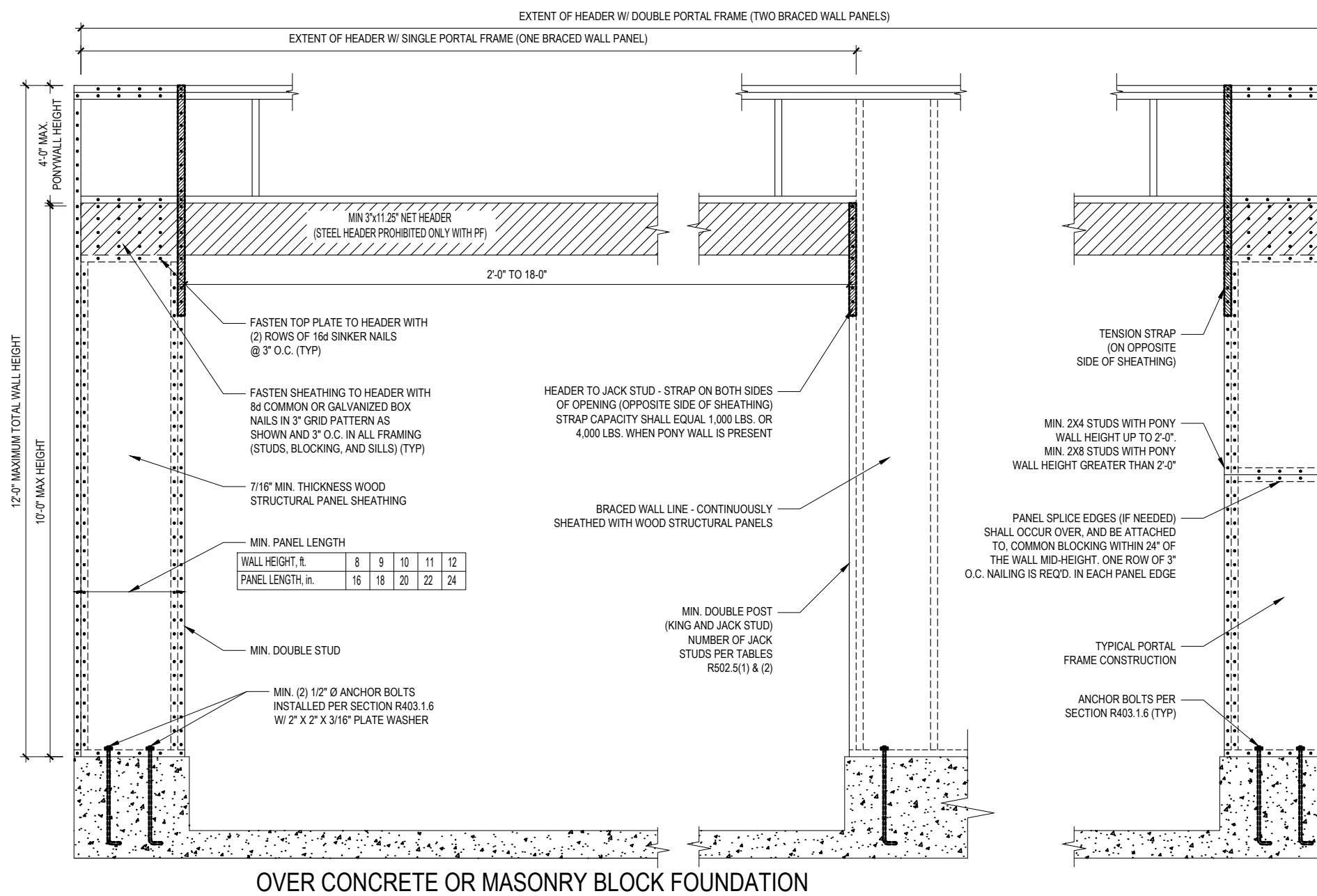
B1: TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING
NO SCALE

STRUCTURAL SHEATHING NOTES

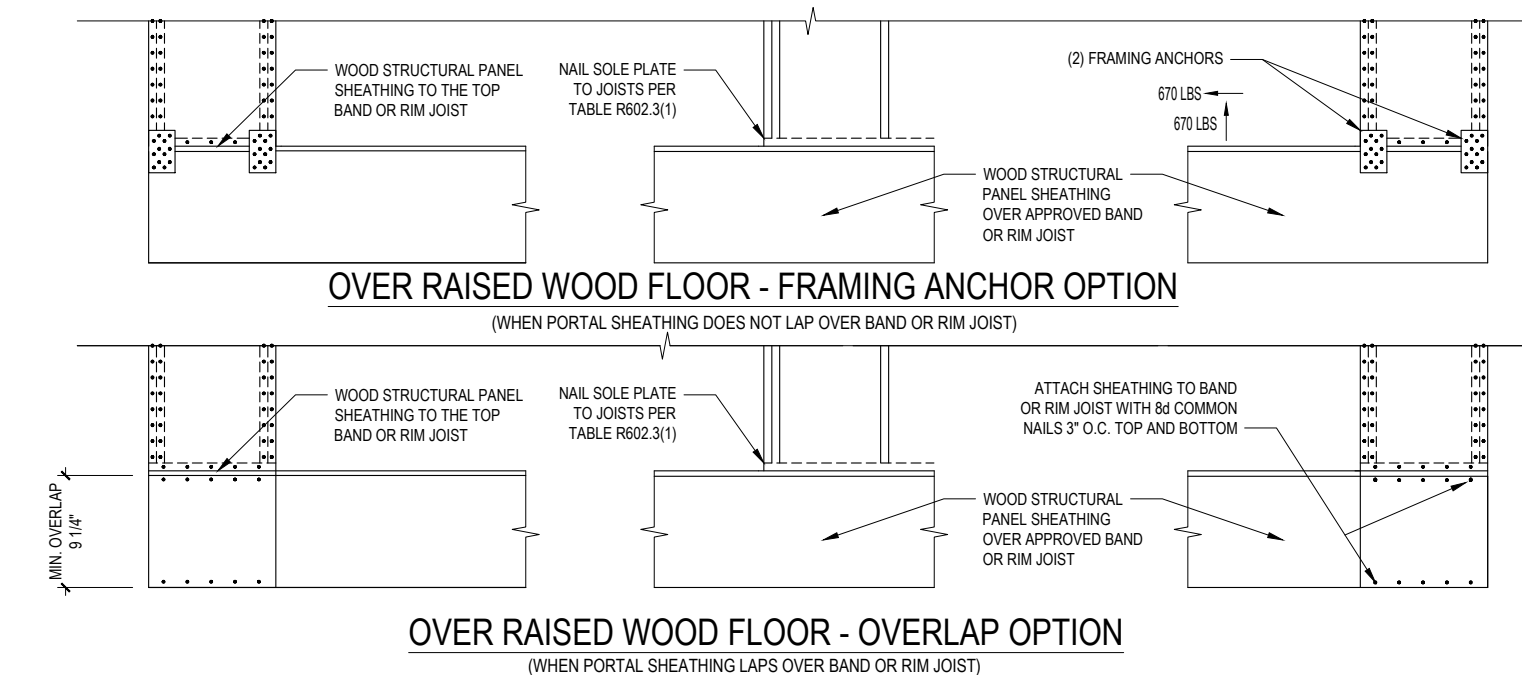
- DESIGNED FOR SEISMIC ZONE A-C AND WIND SPEEDS OF 120 MPH OR LESS.
- WALLS SHALL BE BRACED IN ACCORDANCE WITH SECTION R602.10.3 OF THE 2018 NRC.
- BRACING REQUIREMENTS SHALL BE PER TABLE R602.10.3 REFER TO SECTION R602.10.4 FOR LOAD PATH DETAILS INCLUDING CONNECTIONS & SUPPORT OF BRACED WALL PANELS.
- 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 (LNU)
- 12\"/>

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\"/>	

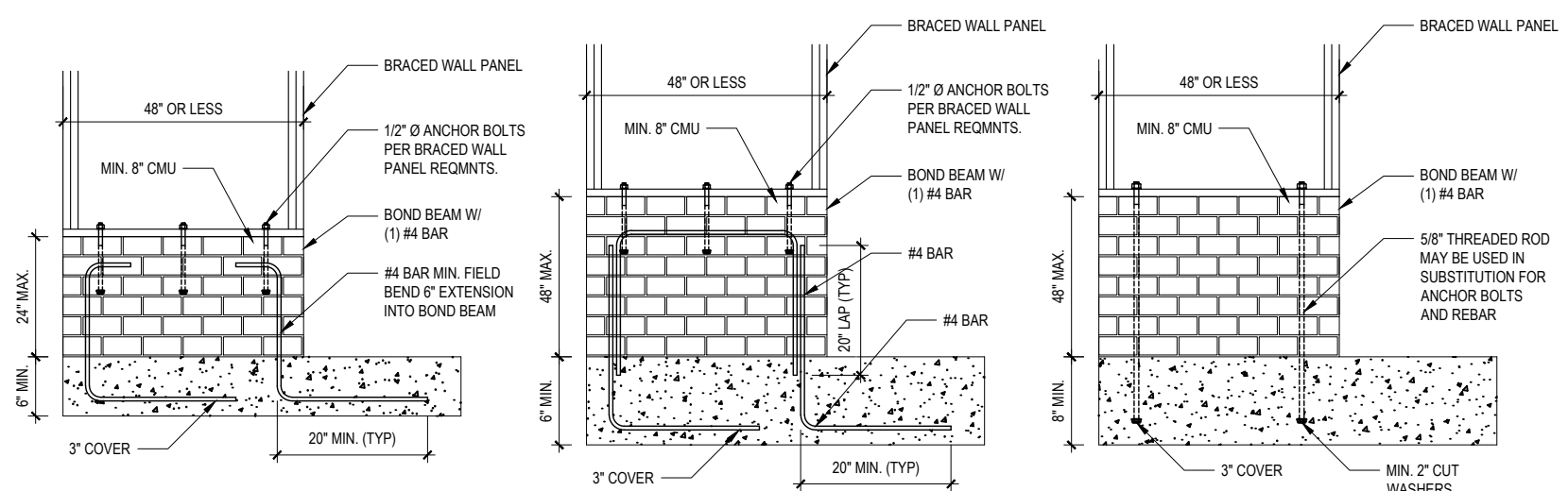
B3: BRACE WALL PANEL CONNECTIONS
NO SCALE



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

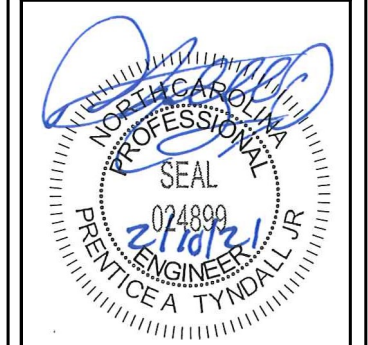


B2: METHOD CS-PF: CONTINUOUSLY SHEATHED PORTAL FRAME
FIGURE R602.10.1



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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SHEATHING DETAILS

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Drawn/Design By:	KFR
DWG. Checked By:	PSE
Scale:	NOT TO SCALE

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