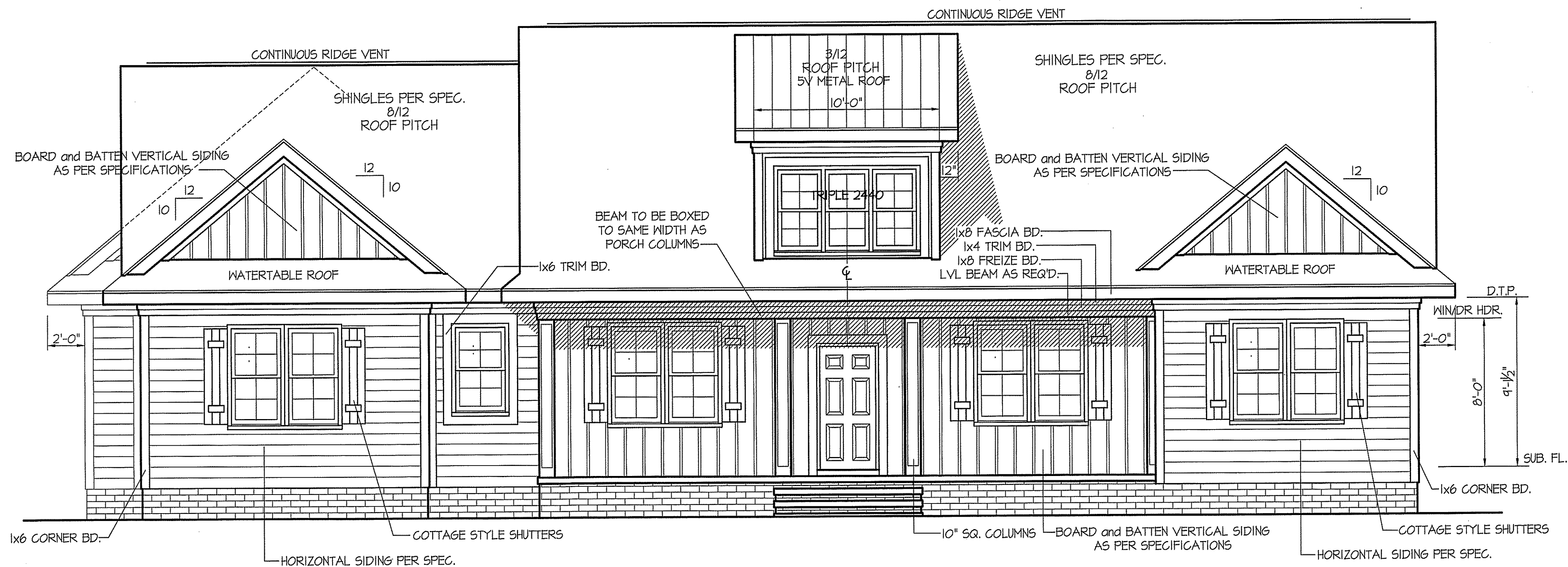


WIND ZONES (PER TABLE R301.2(4))	
COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

DATE:	FEBRUARY 20, 2025
REVISIONS DATE:	MARCH 20, 2025



FRONT ELEVATION

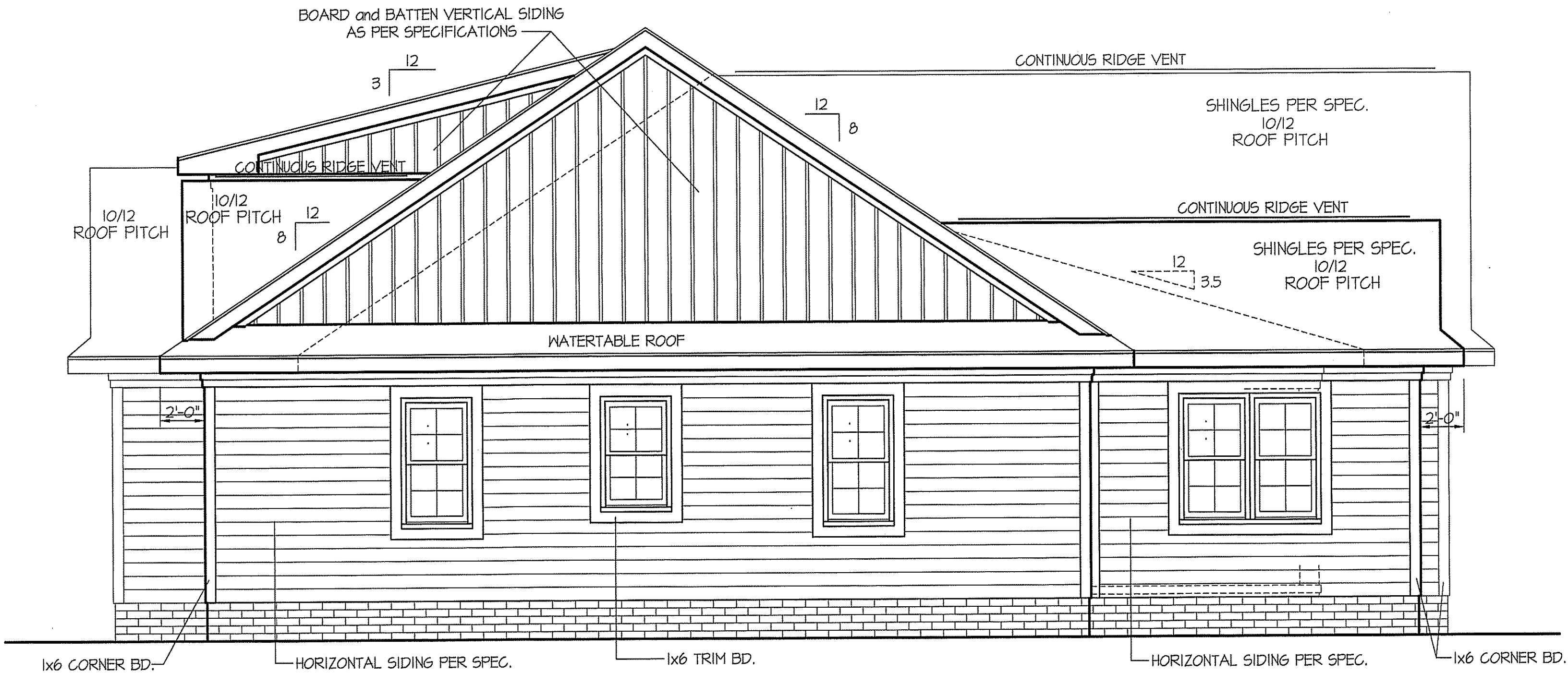
SCALE: 1/4" = 1'-0"



ROOF VENTILATION REQ'TS.
3586 ATTIC SQ. FT. / 300 = 11.96
PROVIDED ON PLAN
141 L.F. RIDGE VENT = 26.43
292 L.F. SOFFIT VENT = 18.25
TOTAL = 44.68 S.F. FREE NET AREA

INSULATION and FENESTRATION REQUIREMENTS		
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-38	R-38
MINIMUM WALL R-VALUE	R-15, 13+2.5	R-15, 13+2.5
MINIMUM FLOOR R-VALUE	R-11	R-11
MIN. CRAWL SPACE WALL R-VALUE	5/8	10/15
MIN. SLAB R-VALUE	0	R-10
PROVIDE STEPS AS REQUIRED GRADE MAY VARY - BUILDER TO VERIFY		

ALL EXTERIOR WALLS TO BE
SHEATHED WITH CS-WSP (1/16" OSB)
IN ACCORDANCE WITH SECTION
R602.10.3 UNLESS OTHERWISE NOTED.



RIGHT ELEVATION

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

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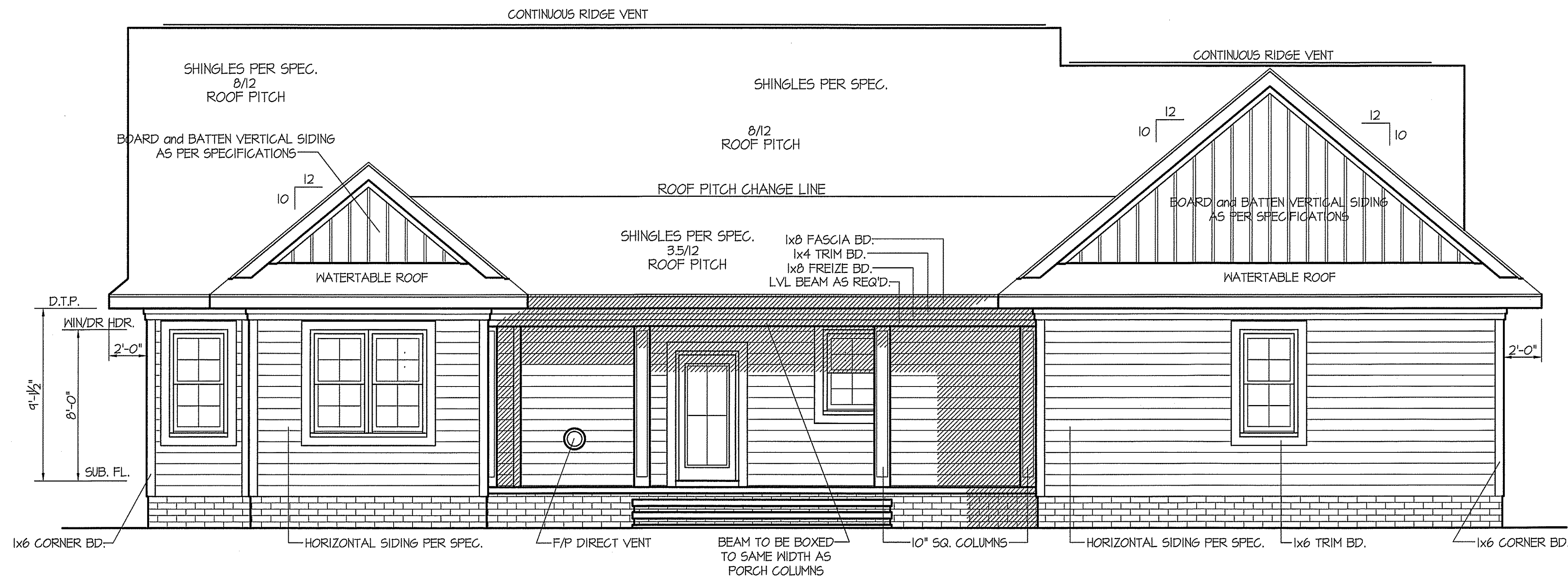
SHEET TITLE:

FRONT / RIGHT
ELEVATIONS

SHEET NO.

1

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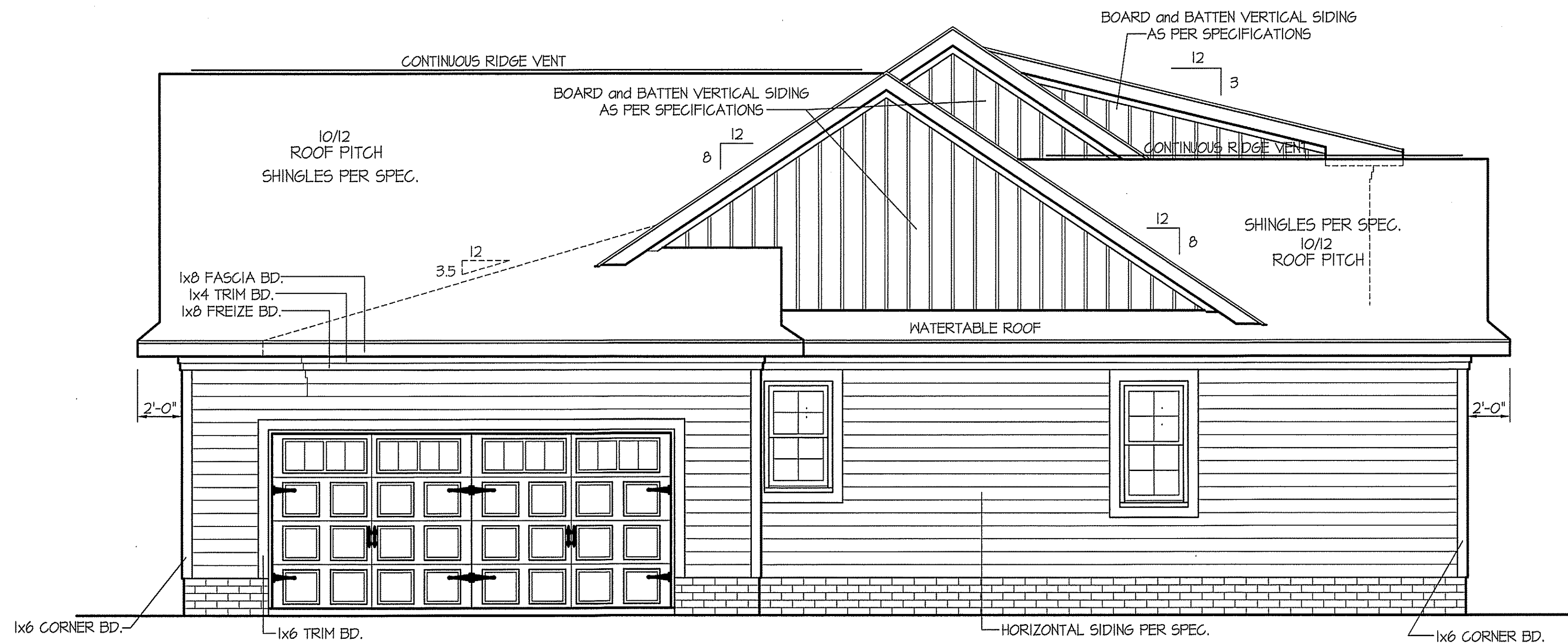
REAR ELEVATION

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



ROOF VENTILATION REQ'TS.
3586 ATTIC SQ. FT. / 300 = 11.96

PROVIDED ON PLAN
141 L.F. RIDGE VENT = 26.43
292 L.F. SOFFIT VENT = 18.25
TOTAL = 44.68 S.F. FREE NET AREA



LEFT ELEVATION

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

WIND ZONES (PER TABLE R301.2(4))	
COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

DATE:
FEBRUARY 20, 2025

REVISIONS
DATE:
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SCALE: 1/4" = 1'-0"
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SHEET TITLE:

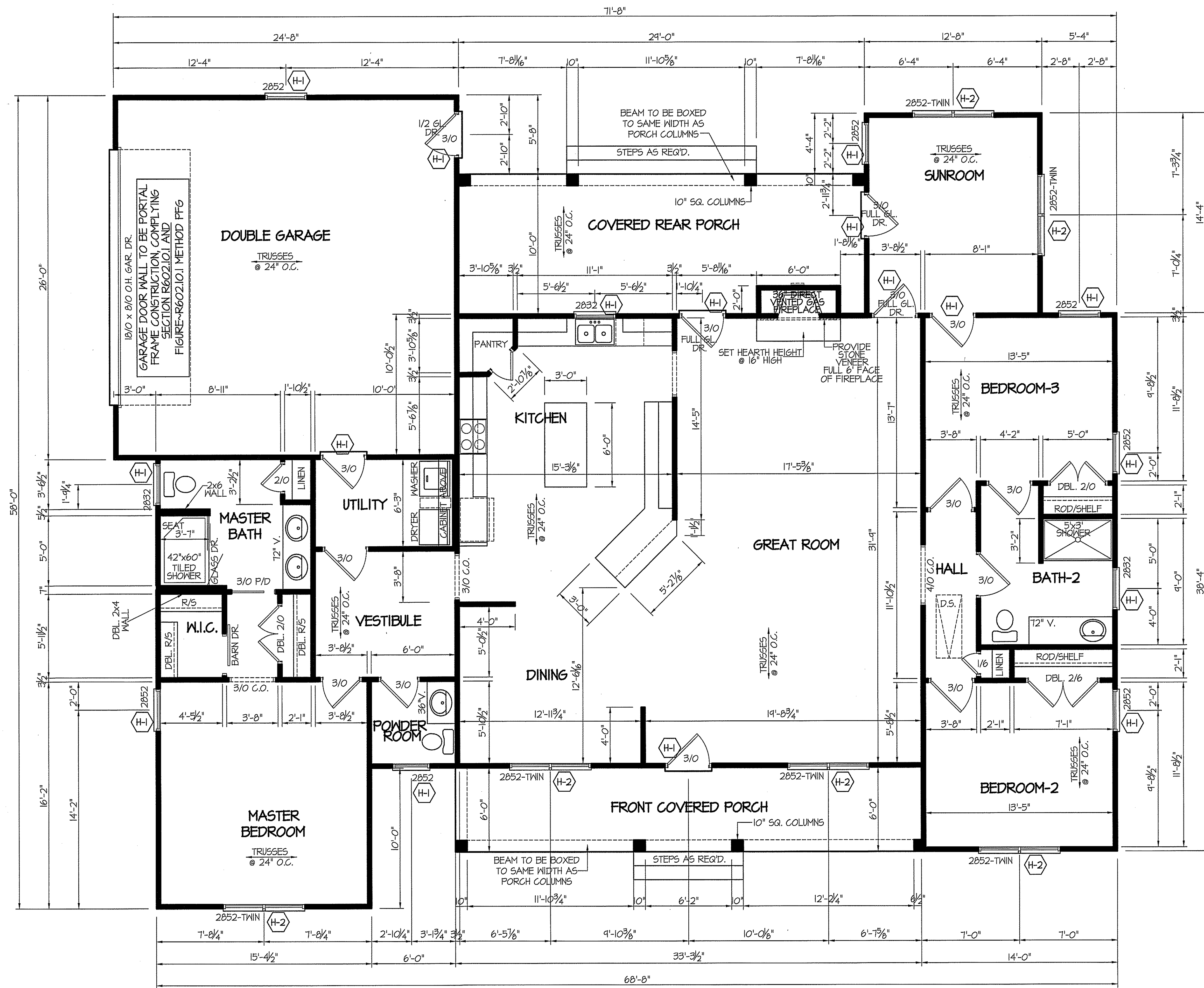
REAR / LEFT ELEVATIONS

SHEET NO.

2

INSULATION and FENESTRATION REQUIREMENTS		
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-38	R-38
MINIMUM WALL R-VALUE	R-15, I3+2.5	R-15, I3+2.5
MINIMUM FLOOR R-VALUE	R-14	R-14
MIN. GRAVEL SPACE WALL R-VALUE	5/13	10/15
MIN. SLAB R-VALUE	0	R-10
PROVIDE STEPS AS REQUIRED GRADE MAY VARY - BUILDER TO VERIFY		

ALL EXTERIOR WALLS TO BE SHEATHED WITH OSB-MSP (1/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.



9' CEILING (UNLESS OTHERWISE NOTED)
FLOOR PLAN

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



TOTAL HEATED SQUARE FOOTAGE = 2425 S.F.
FRONT PORCH SQUARE FOOTAGE = 200 S.F.
REAR PORCH SQUARE FOOTAGE = 240 S.F.
DOUBLE GARAGE SQUARE FOOTAGE = 671 S.F.

WIND ZONES (PER TABLE R301.2(4))	
COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

DATE:
FEBRUARY 20, 2025

REVISIONS
DATE:
MARCH 20, 2025

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EXCLUSIVE PLAN FOR
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GINA McKinney

PROJECT NAME:
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SHEET TITLE:
MAIN FLOOR PLAN
DIMENSIONS

SHEET NO.

3

ALL INTERIOR AND EXTERIOR
LOAD BEARING HEADERS
WILL BE 2x10 #2 SPF
UNLESS OTHERWISE NOTED.

ALL EXTERIOR WALLS TO BE
SHEATHED WITH OS-MSF (1/16" OSB)
IN ACCORDANCE WITH SECTION
R602.10.3 UNLESS OTHERWISE NOTED.

GIRDER AND HEADER SIZES AND JACK STUD
REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD
BEARING WALLS ARE TO COINCIDE WITH TABLE
EXT.-R602.1 (1) AND INT.-R602.1 (2).

TABLE R602.1.5 MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS		
HEADER SPAN (feet)	MAX. STUD SPACING (inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

SECTION R407-COLUMNS
R407.3 STRUCTURAL REQUIREMENTS.
THE COLUMNS SHALL BE RESTRAINED TO PREVENT LATERAL
DISPLACEMENT AT THE TOP AND BOTTOM END. WOOD COLUMNS
SHALL BE NOT LESS IN NOMINAL SIZE THAN 4 INCHES BY 4 INCHES
(102 mm BY 102 mm). STEEL COLUMNS SHALL BE NOT LESS THAN
3-INCH DIAMETER (76 mm) SCHEDULE 40 PIPE MANUFACTURED IN
ACCORDANCE WITH ASTM A53 GRADE B OR APPROVED EQUIVALENT.

HEADER SCHEDULE		
SYMBOL #	SIZE	JACKS
H-1	(2) 2x10	1
H-2	(2) 2x10	2
H-3	(2) 2x8	2
H-4	(2) 2x12	2
H-5	(2) 1.75 x 4.25 LVL	3

WIND ZONES (PER TABLE R301.2(4))	
COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

DATE:
FEBRUARY 20, 2025

REVISIONS
DATE:
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**EXCLUSIVE PLAN FOR
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GINA McKinney**

PROJECT NAME:

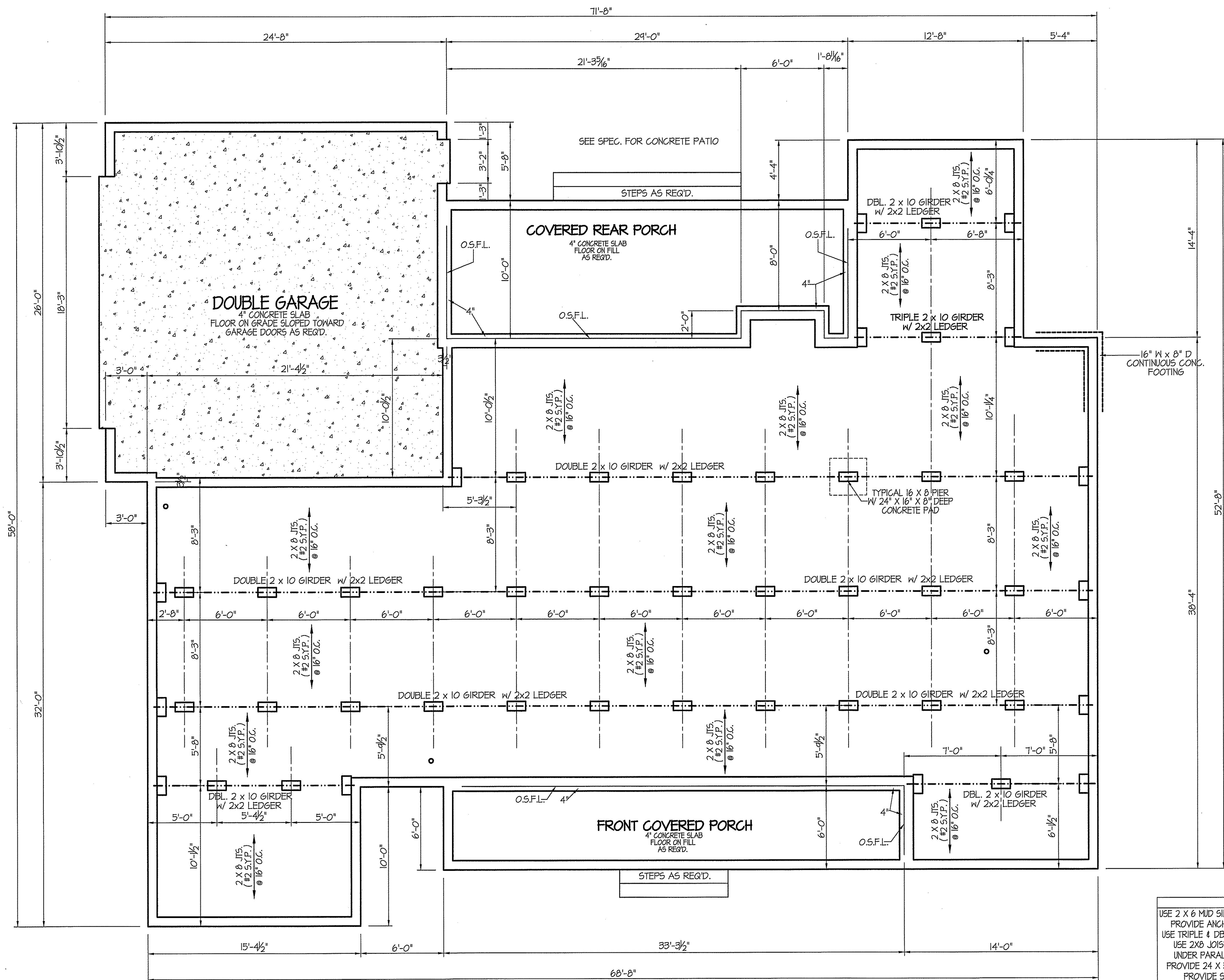
SCALE: $1/4" = 1'-0"$
NOTE: IF THIS DRAWING IS NOT
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SHEET TITLE:

FOUNDATION PLAN

SHEET NO.

4



FOUNDATION ANCHORAGE
THE WOOD SILL PLATE ON PERIMETER SHALL BE ANCHORED
TO THE FOUNDATION WALLS WITH ANCHOR BOLTS
SPACED A MAXIMUM OF 4' ON CENTER. ANCHOR BOLTS SHALL
ALSO BE LOCATED WITHIN 12" FROM THE ENDS
OF EACH PLATE SECTION. BOLTS SHALL BE AT LEAST
1/2" IN DIAMETER AND SHALL EXTEND A MINIMUM
OF 15" INTO MASONRY OR CONCRETE.

BOX SILL FND.

FOUNDATION PLAN

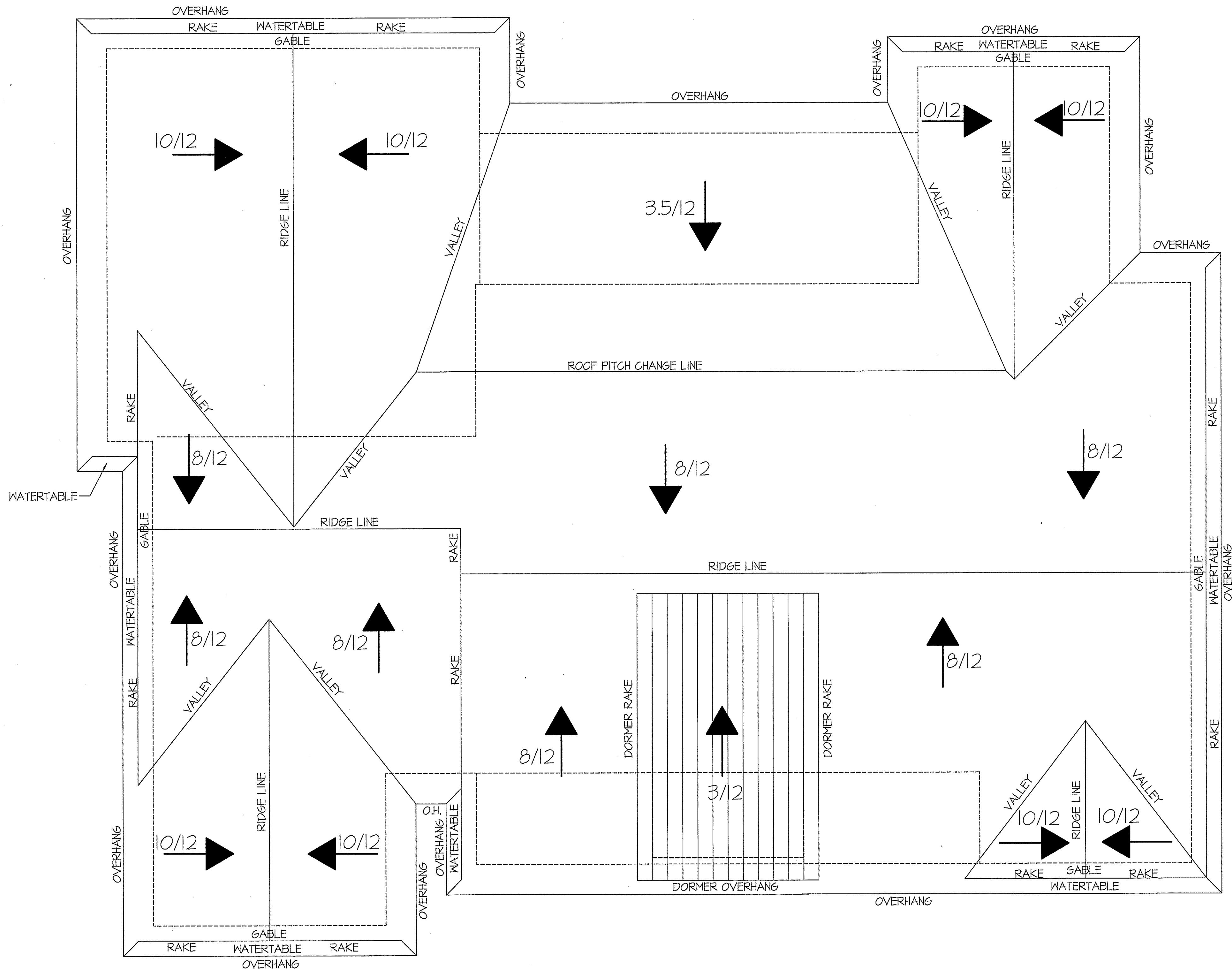
—SCALE: 1/4" = 1'-0"

ALL JOISTS AND GIRDERS WILL BE #2 S.Y.P.
JOIST SPANS TO COINCIDE WITH REVISED TABLE
R502.3.1(1) AND R502.3.1(2) FROM 2018 NCR CODE
GIRDER SPANS AND HEADER SPANS TO COINCIDE
WITH TABLE R602.7(1), R602.7(2) AND R602.7(3)

FOUNDATION VENTILATION INFORMATION

(MIN. NET AREA OF VENT. REQ'D. = 1/50) 2425 S.F. (GRAM'L) x .46 = 2328 S.I. USE 36 " WITTEN AUTO. VENT" FND. VENTS @ 65 S.I. FREE NET AREA or EQUIVALENT.
(MIN. NET AREA CAN BE REDUCED TO 11,500 2425 S.F. (GRAM'L) x .046 = 232.8 S.I. @ 65 " I" WITTEN AUTO. VENT" FND. VENTS @ 65 S.I. FREE NET AREA or EQUIVALENT. w/ APPROVED 6-mil POLYETHYLENE VAPOR RETARDER or EQUIVALENT IN GRAML SPACE.
REQUIRED VENTS ARE TO BE PLACED SO AS TO PROVIDE CROSS-VENTILATION OF THE GRAML SPACE.

NOTES:
USE 2 X 6 MUD SILL W/ 56L. 2X8 BANDS ON 8" WALLS.
PROVIDE ANCHOR BOLTS PER NC STATE CODE.
USE TRIPLE 4 DBL. 2X10 GIRDERS W/ 2X2 LEDGERS.
USE 2X4 JOISTS AT 16" O.C., ADD 56L. JOIST
UNDER PARALLEL INTERIOR WALLS AS REQ'D.
PROVIDE 24 X 36 ACCESS OPENING IN FND. WALL.
PROVIDE STEPS TO GRADE (MAX. 8")
HOLD ALL PIERS 1/2" BELOW FND. WALLS.



TOTAL HEATED SQUARE FOOTAGE = 2425 S.F.
FRONT PORCH SQUARE FOOTAGE = 200 S.F.
REAR PORCH SQUARE FOOTAGE = 240 S.F.
DOUBLE GARAGE SQUARE FOOTAGE = 611 S.F.

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

GENERAL ROOF NOTES:
ALL ROOF PITCHES ARE SET AT 10, 8, 3.5 AND 3 ON 12
ALL OVERHANGS ARE 2'-0" FROM FRAME LINE OF HOUSE
ALL GABLE RAKES TO BE SET AT 12"
ALL TRUSSES ARE CANTELEVERED SET AT 4'-1 1/2" ABOVE SUBFLOORING

WIND ZONES (PER TABLE R301.2(4))	
COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

DATE: FEBRUARY 20, 2025
REVISIONS DATE: MARCH 20, 2025
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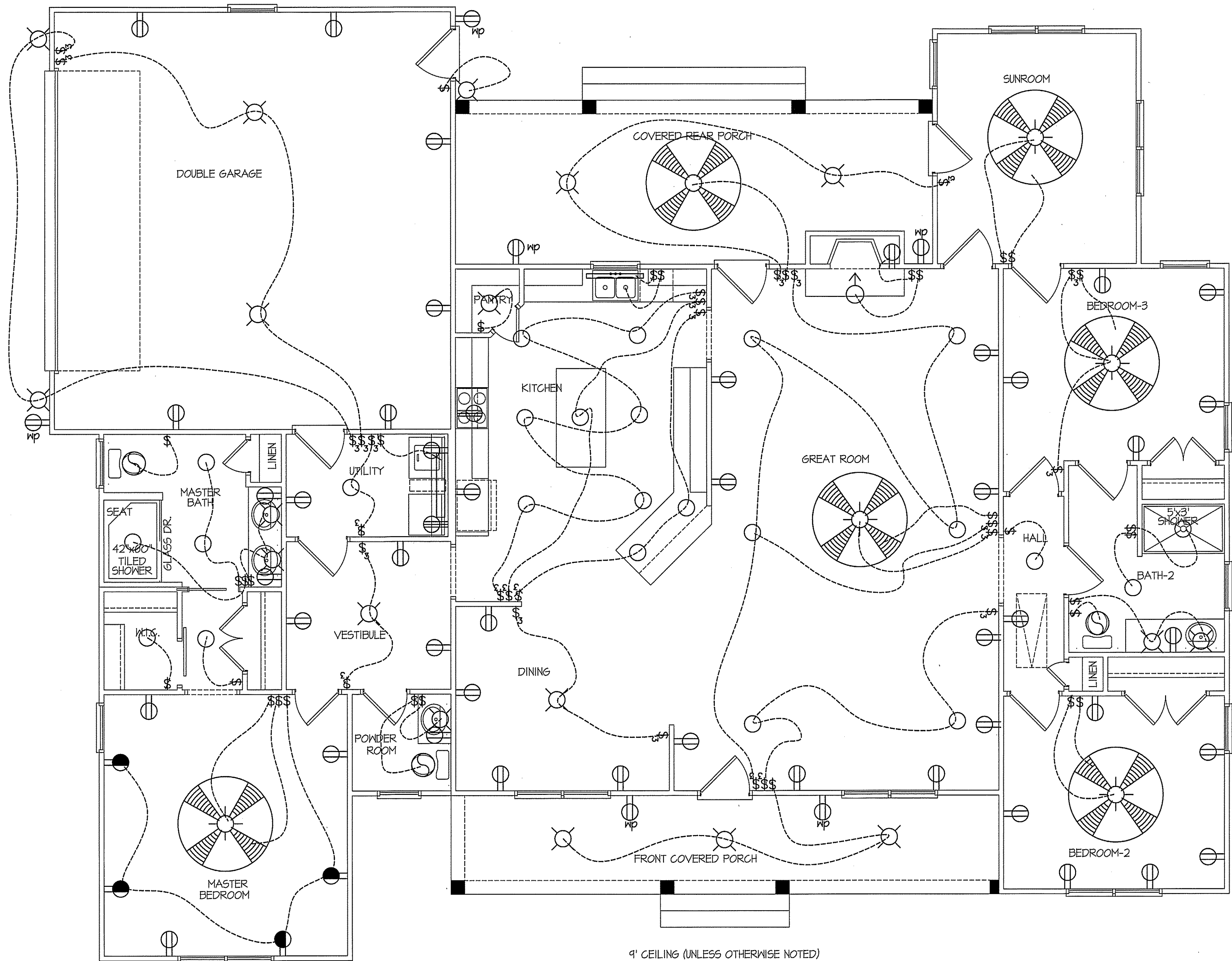
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FREEDOM FAMILY HOMES
GINA McKinney

PROJECT NAME:
SCALE: 1/4" = 1'-0"
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SHEET TITLE:
ROOF LAYOUT

SHEET NO.
5

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9' CEILING (UNLESS OTHERWISE NOTED)

**ELECTRICAL
FLOOR PLAN**

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

TOTAL HEATED SQUARE FOOTAGE = 2425 S.F.
FRONT PORCH SQUARE FOOTAGE = 200 S.F.
REAR PORCH SQUARE FOOTAGE = 240 S.F.
DOUBLE GARAGE SQUARE FOOTAGE = 671 S.F.

NOTE:
HVAC CONTRACTOR TO VERIFY and PROVIDE OWNERS and
BUILDER UNIT INFORMATION, BTUH REQUIREMENTS, and
DUCT LAYOUTS BEFORE CONSTRUCTION BEGINS.

TOTAL HEAT GAIN = 39,043 B.T.U.H.
TOTAL HEAT LOSS = 61,716 B.T.U.H.

ELECTRICAL LEGEND

PROVIDE BURGLAR/SMOKE AND FIRE DETECTORS AS
PER MANUFACTURER'S SPECIFICATIONS.
PROVIDE FLOOD LIGHTS PER SPECIFICATIONS.
ALL FANS ARE TO BE CONTROLLED BY
VAR/SPEED AND DIRECTIONAL SWITCHES

⊕ SURF. MOUNTED LIGHT	⊕ TYPICAL WALL RECEP.	⊕ TYPICAL SWITCH
○ RECESSED LIGHT	⊕ TOP 1/2 HOT W/SWITCH	⊕ 3-WAY SWITCH
○ EYEBALL LIGHT	⊕ CEILING RECEPTACLE	⊕ 4-WAY SWITCH
⊕ FAN/LIGHT COMB.	⊕ FLOOR RECEPTACLE	⊕ DIMMER SWITCH
— FLUORESCENT TUBE	⊕ WATERPROOF RECEP.	⊕ ELEC. PANEL BOX
□ FLUOR. LIGHT FIXTURE	⊕ GROUND FAULT	⊕ T.V. CABLE RECEP.
⊕ EXHAUST FAN	⊕ DISPOSAL UNIT	⊕ TELEPHONE JACK
⊕ CL'G. FAN	⊕ 220 VOLT RECEPTACLE	⊕ COMPUTER JACK
⊕ FLOOD LIGHT		

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GINA McKinney**

PROJECT NAME:

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SHEET TITLE:
**ELECTRICAL
MAIN FLOOR**

SHEET NO.
6

TABLE R602.10.4.2
LENGTH REQUIREMENTS FOR BRACED WALL
PANELS WITH CONTINUOUS SHEATHING

METHOD	ADJACENT CLEAR OPENING HEIGHT (INCHES)	WALL HEIGHT (FEET)				
		8	9	10	11	12
CS-WSP	64	24	27	30	33	36
	64	26	27	30	-	-
	72	28	27	30	-	-
	76	24	30	30	-	-
	80	31	33	30	-	-
	84	35	36	33	-	-
	88	34	34	36	-	-
	92	44	42	39	-	-
	96	48	45	42	-	-
	100	-	48	45	-	-
	104	-	51	48	-	-
	108	-	54	51	-	-
	112	-	-	54	44	-
	116	-	-	57	-	-
CS-G	120	24	27	30	-	-
	120	16	18	20	-	-

R602.10.4

CONTINUOUS SHEATHING

BRACED WALL LINES WITH CONTINUOUS SHEATHING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THIS SECTION. ALL BRACED WALL LINES ALONG EXTERIOR WALLS ON THE SAME STORY SHALL BE CONTINUOUSLY SHEATHED.

R602.10.4.4

CONTINUOUSLY SHEATHED BRACED WALL PANEL LOCATION AND CORNER CONSTRUCTION

FOR ALL CONTINUOUS SHEATHING METHODS, FULL HEIGHT BRACED WALL PANELS COMPLYING WITH THE LENGTH REQUIREMENTS OF TABLE R602.10.4.2 SHALL BE LOCATED AT EACH END OF A BRACED WALL LINE WITH CONTINUOUS SHEATHING AND AT LEAST EVERY 25 FEET (7620 mm) ON CENTER. A MINIMUM 24 INCH (610 mm) WOOD STRUCTURAL PANEL CORNER RETURN SHALL BE PROVIDED AT BOTH ENDS OF THE BRACED WALL LINE WITH CONTINUOUS SHEATHING IN ACCORDANCE WITH FIGURES R602.10.4.4(1) AND R602.10.4.4(2). IN LIEU OF THE CORNER RETURN A HOLD-DOWN DEVICE WITH A MINIMUM UPLIFT DESIGN VALUE OF 800 POUNDS (3560 N) SHALL BE FASTENED TO THE CORNER STUD AND TO THE FOUNDATION OR FRAMING BELOW IN ACCORDANCE WITH FIGURE R602.4.4(3).

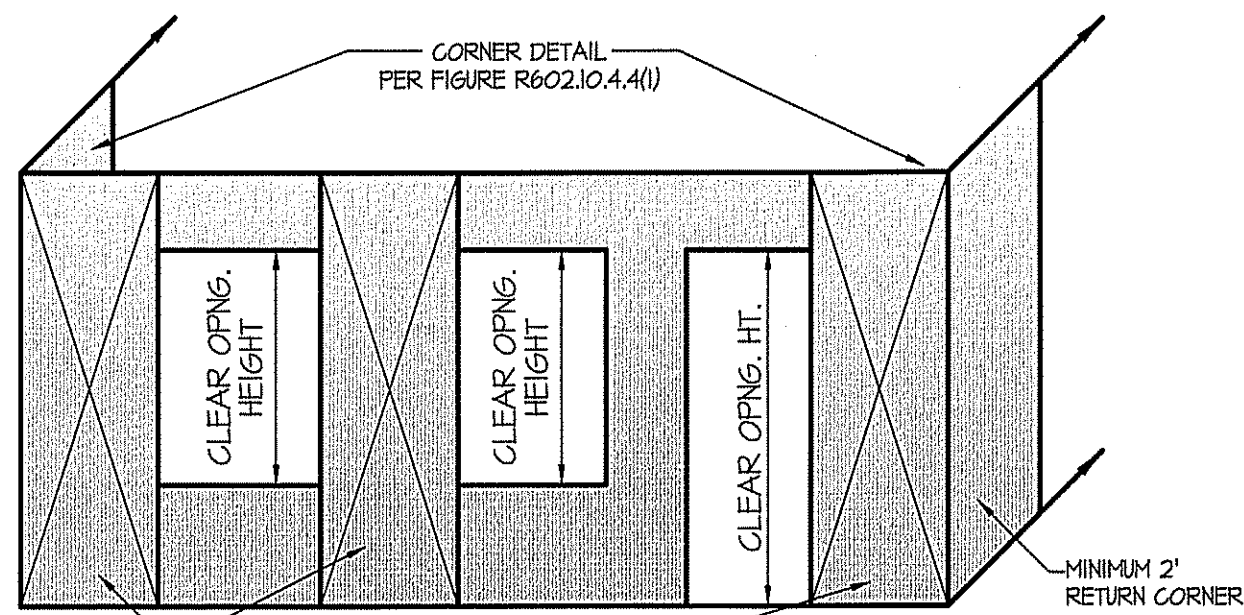


FIGURE R602.10.4.4(2)
BRACED WALL LINE WITH CONTINUOUS SHEATHING WITH CORNER RETURN PANEL

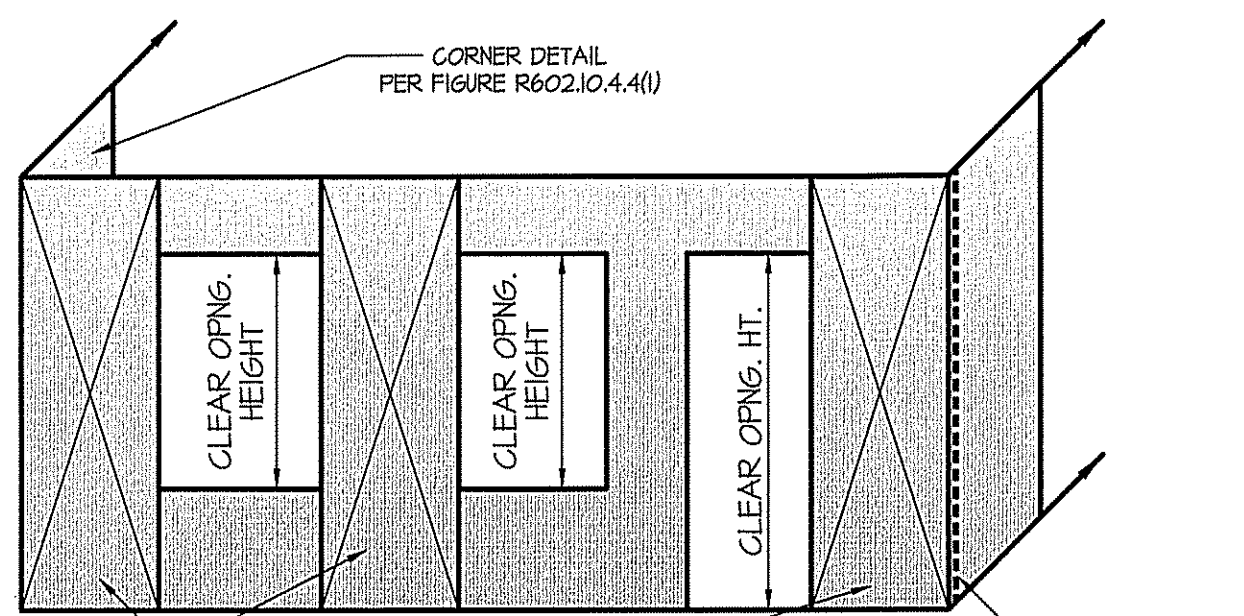
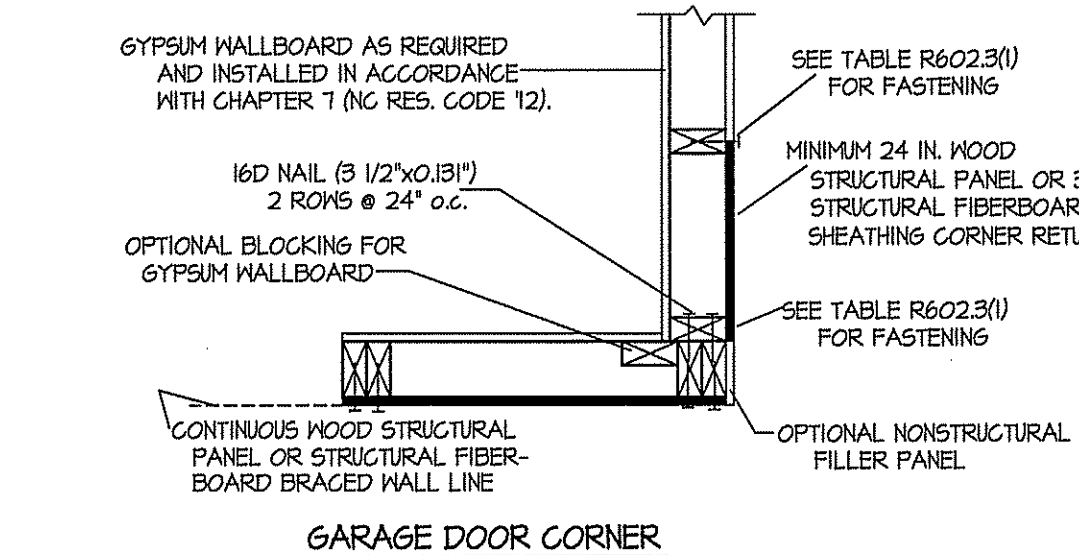
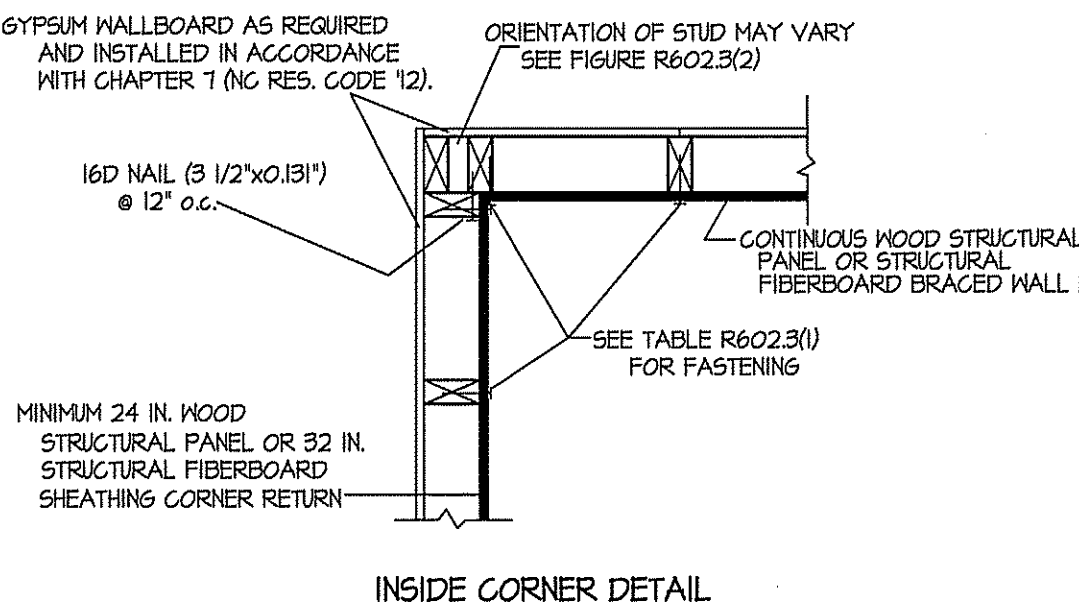
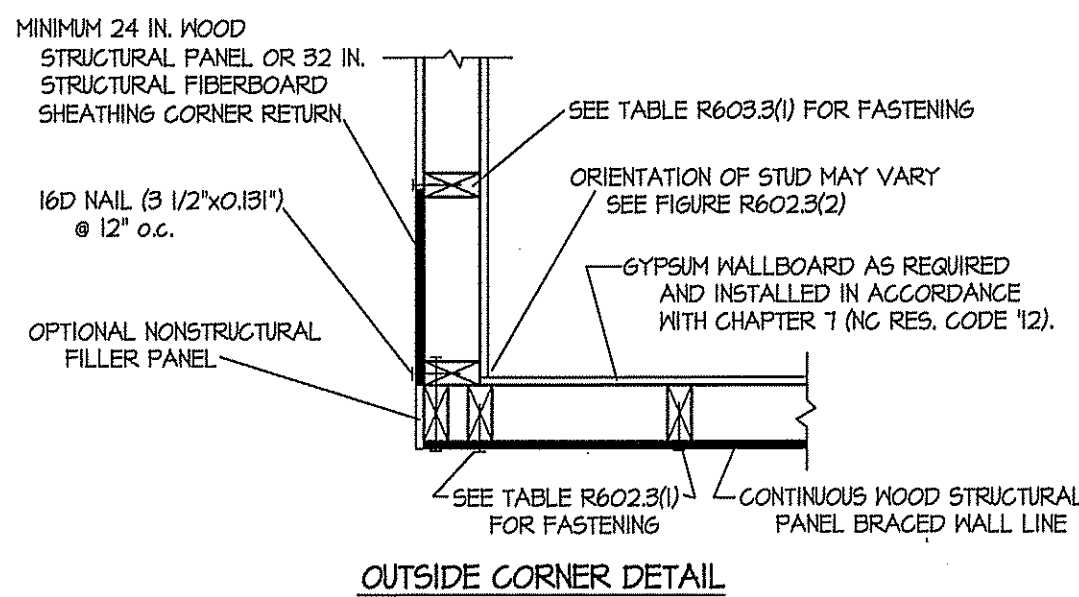


FIGURE R602.10.4.4(3)
BRACED WALL LINE WITH CONTINUOUS SHEATHING WITHOUT CORNER RETURN PANEL



TYPICAL EXTERIOR CORNER FRAMING
FOR CONTINUOUS SHEATHING
FIG. R602.10.4.4(1)

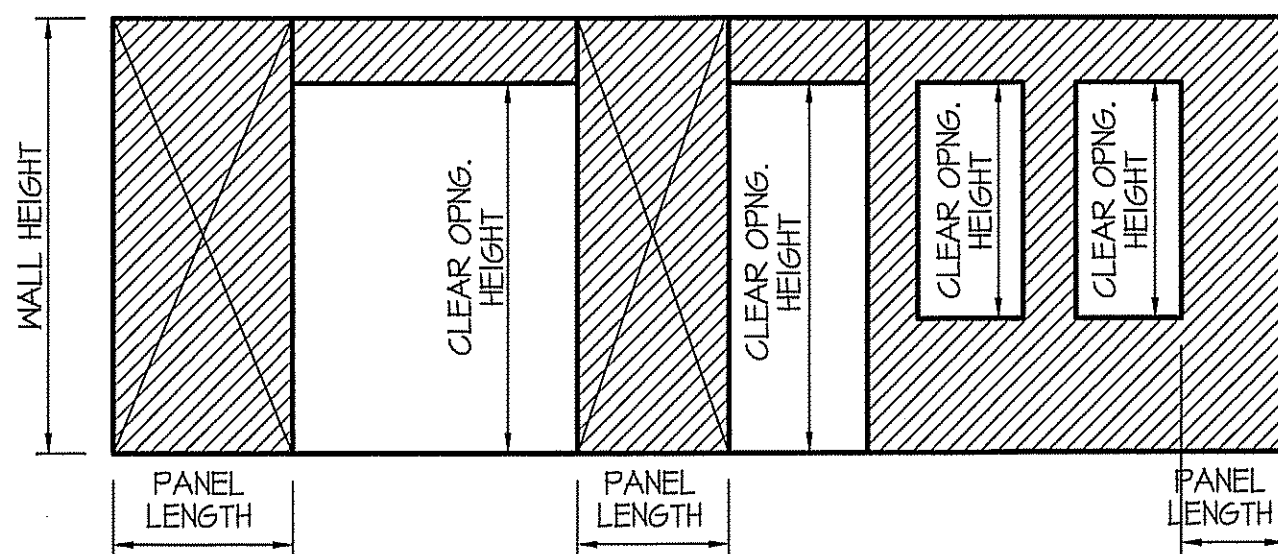
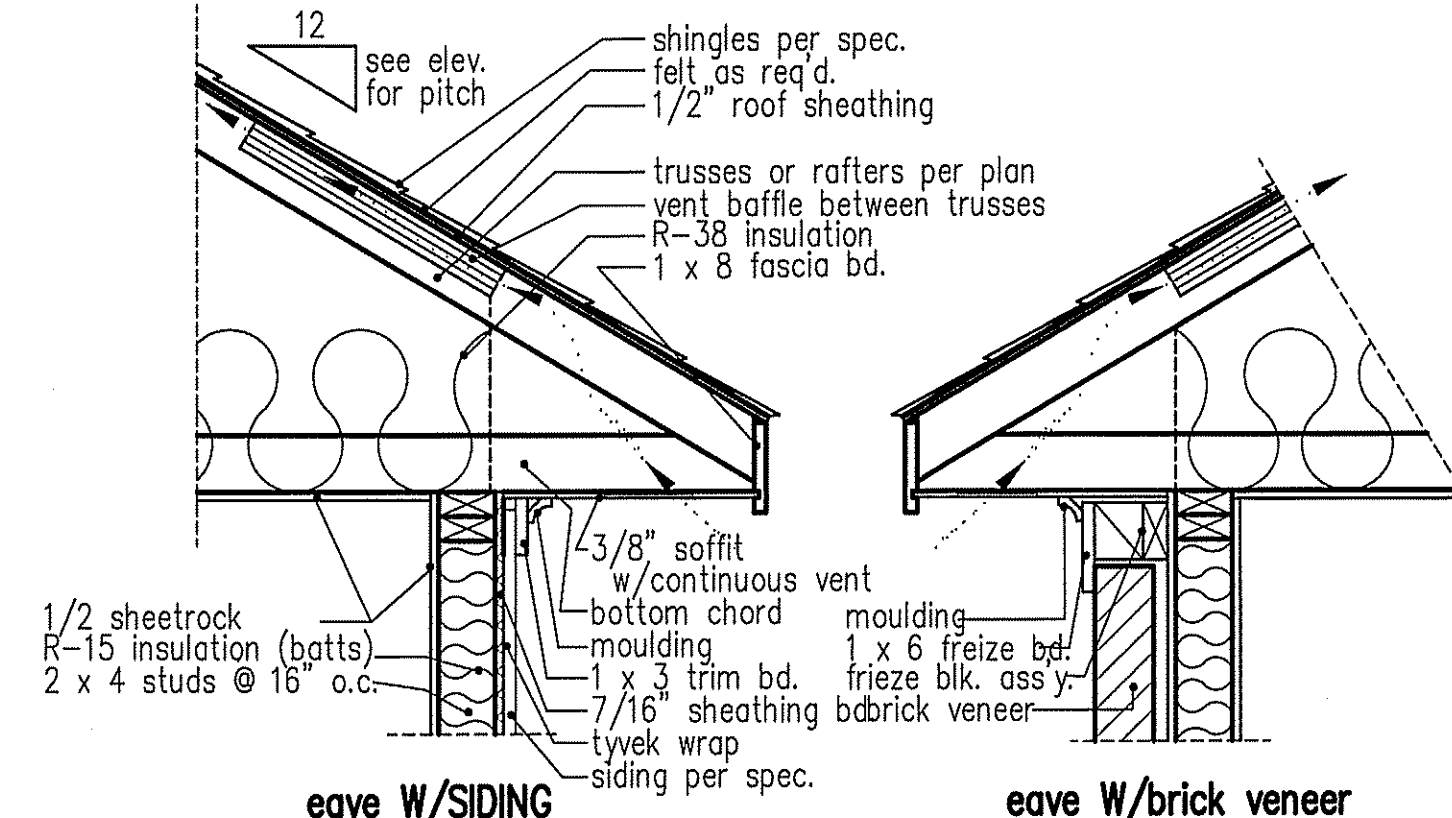


FIGURE R602.10.4.2
BRACED WALL PANELS WITH CONTINUOUS SHEATHING

TABLE R602.3(3) REQUIREMENTS FOR WOOD STRUCTURAL PANEL WALL SHEATHING USED TO RESIST WIND PRESSURES									
SIZE	PENETRATION (INCHES)	MINIMUM WOOD STRUCTURAL PANEL SPAN RATING	MINIMUM NOMINAL PANEL THICKNESS (Inches)	MAXIMUM WALL STUD SPACING (Inches)	PANEL NAIL SPACING		MAXIMUM WIND SPEED (mph)		
					Edges (Inches o.c.)	Field (Inches o.c.)	WIND EXPOSURE CATEGORY		
6d COMMON (2.0" x 0.113")	1.5	24/0	3/8	16	6	12	B	C	D
							110	90	85
8d COMMON (2.5" x 0.131")	1.75	24/16	7/16	16	6	12	130	110	105
							110	90	85

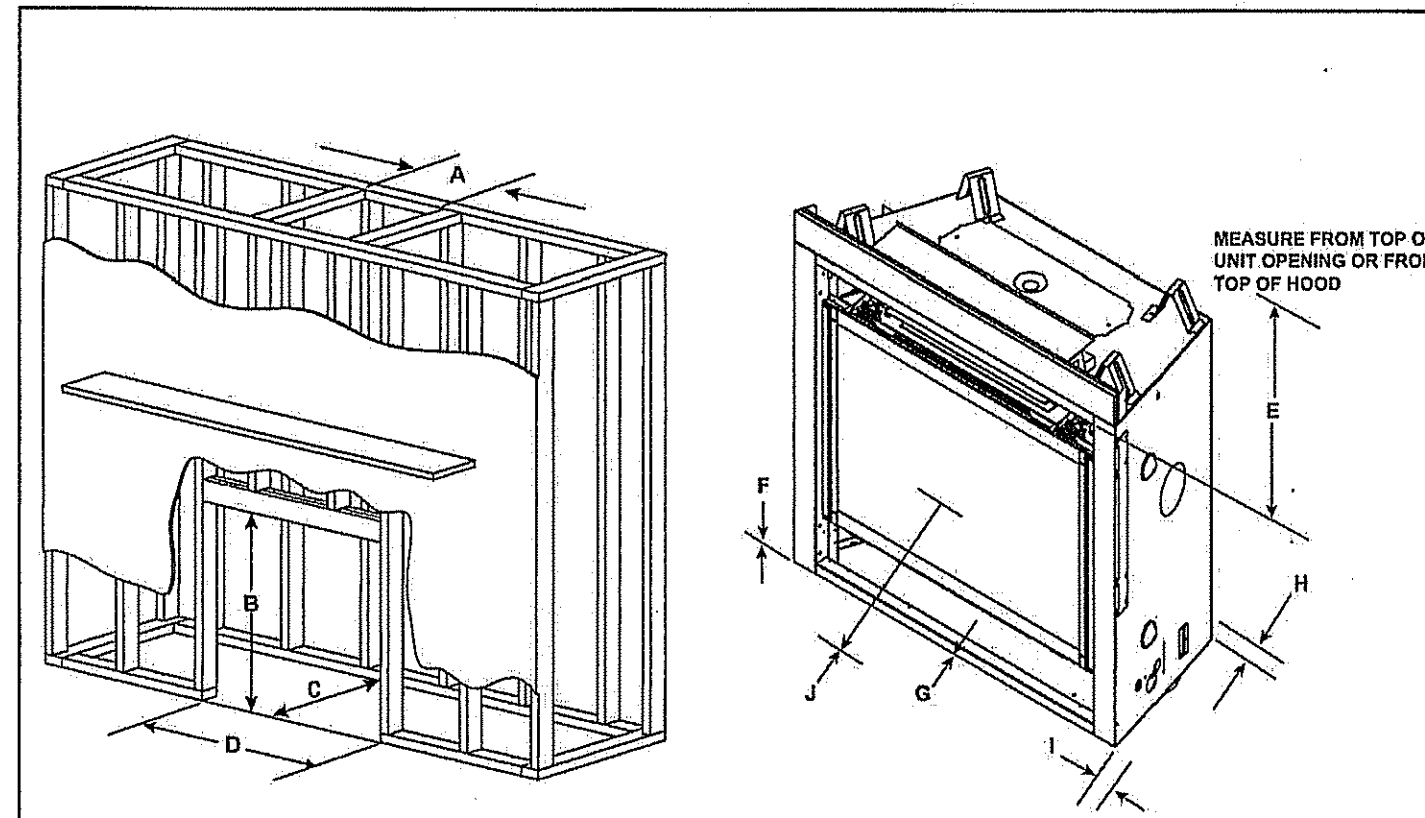
NOTE TO BUILDERS

THE WALL BRACING USED ON THESE PLANS ARE BASED ON THE METHOD OF CONTINUOUS SHEATHING. IF THIS METHOD IS NOT USED THE BUILDER OR CONTRACTOR MUST REFER TO THE NORTH CAROLINA STATE 2018 RESIDENTIAL BUILDING CODE FOR COMPLIANCE - SEE SECTION ON WALL BRACING; R602.10.



NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

cantilevered eave details

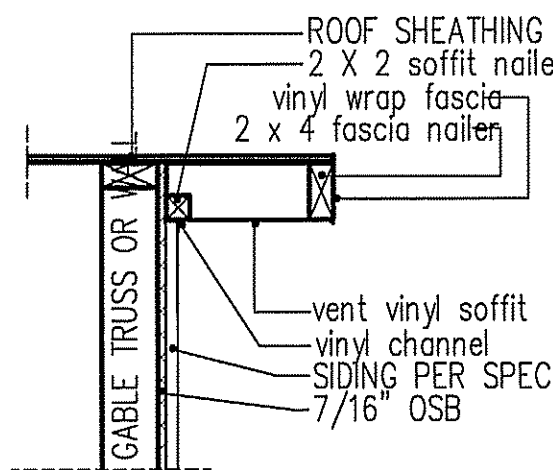


MINIMUM FRAMING DIMENSIONS										
Models	A		B		C		D		E	
	DVP Pipe Rough Opening (Width)	SLP Pipe Rough Opening (Width)	DVP Pipe Rough Opening (Depth)	SLP Pipe Rough Opening (Depth)	DVP Pipe Rough Opening (Width)	SLP Pipe Rough Opening (Width)	DVP Pipe Rough Opening (Depth)	SLP Pipe Rough Opening (Depth)	Clearance to Ceiling	Clearance to Floor
QUARTZ232IFTN	10	8-5/8	34-3/4	16-1/4	16-1/4	37	32	0	0	0
QUARTZ232IFTN	254	219	882	413	413	940	813	0	0	13
QUARTZ236IFTN	10	8-5/8	38-1/4	16-1/4	16-1/4	42	32	0	0	1/2
QUARTZ236IFTN	254	219	972	413	413	1067	813	0	0	13
QUARTZ242IFTN	10	8-5/8	40-1/4	16-1/4	16-1/4	48	32	0	0	1/2
QUARTZ242IFTN	254	219	1022	413	413	1245	813	0	0	13

* Adjust framing dimensions for interior sheathing (such as sheetrock)
** Add 12 inches when rear venting with one 90° elbow.
*** When using combustible flooring materials, such as carpeting and padding, the combustible flooring material must not extend higher than one inch from the base of the appliance when the appliance is mounted at floor level.
**** For installations with vinyl flooring, see Section 3.D.

Clearances to Combustibles

Majestic • QUARTZ232IFTN, QUARTZ236IFTN, QUARTZ242IFTN

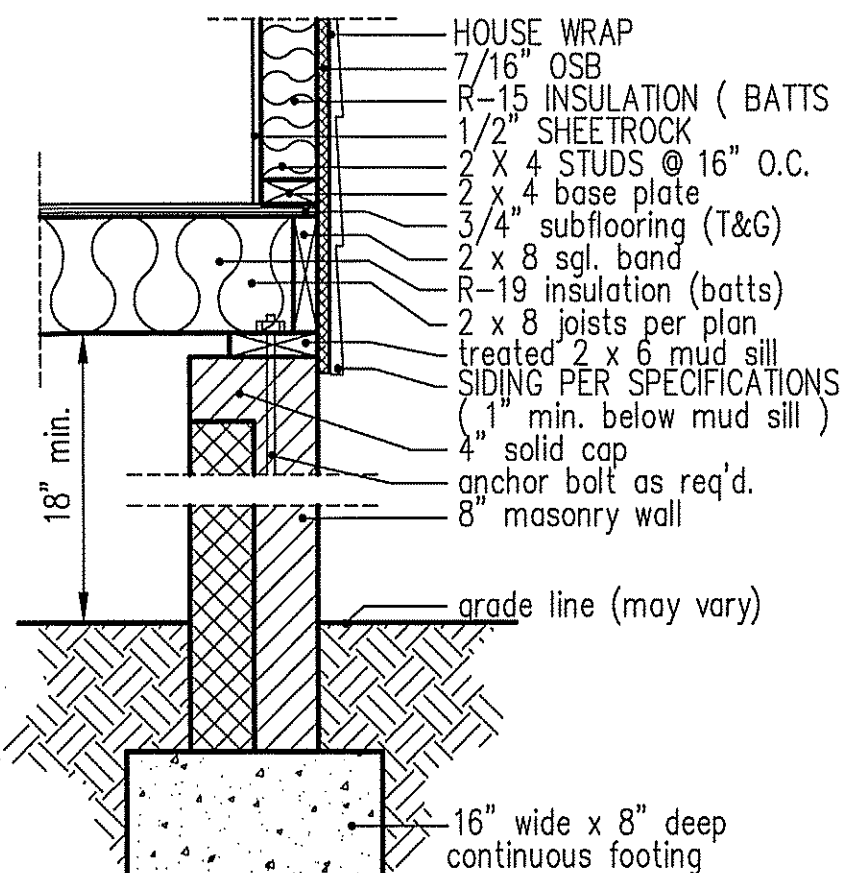


RAKE w/siding

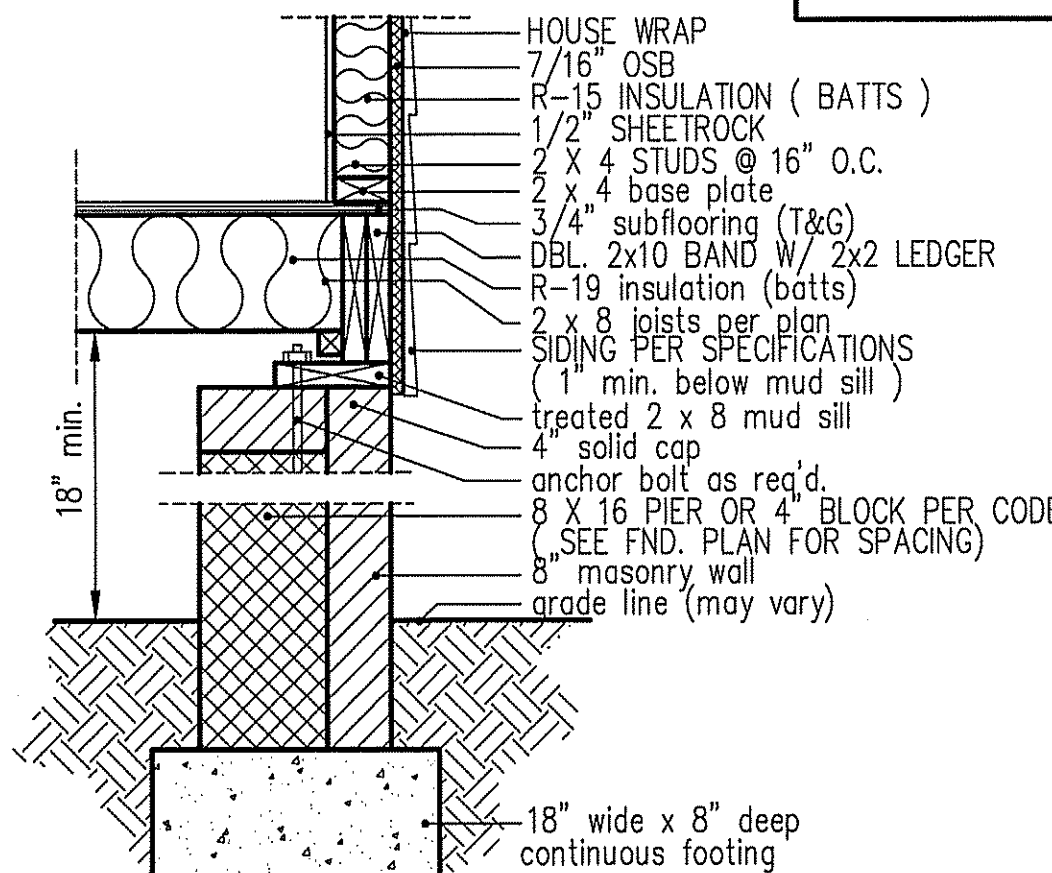
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

TABLE R602.7.5 MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS		
HEADER SPAN (feet)	MAX. STUD SPACING (Inches) (per Table R602.3(1))	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

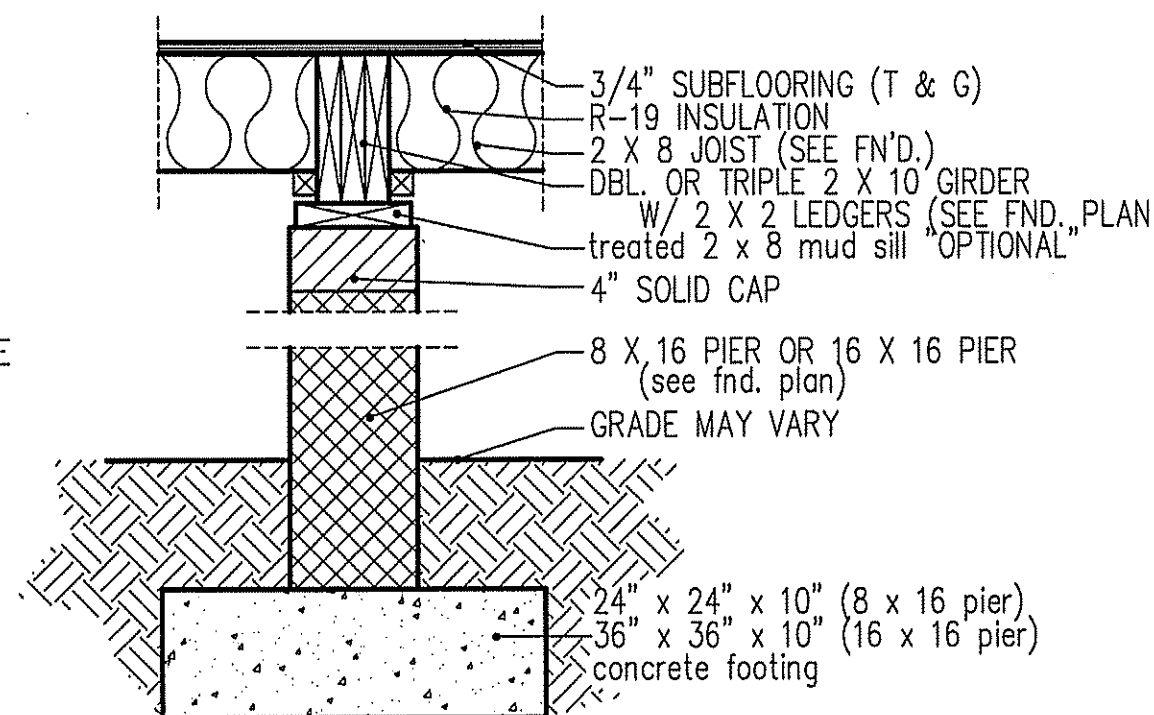
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.-R602.7 (1) AND INT.-R602.7 (2).



8" BOX SILL
FOUNDATION WALL



PIER and CURTAIN
FOUNDATION WALL



PIER and GIRDER
DETAIL