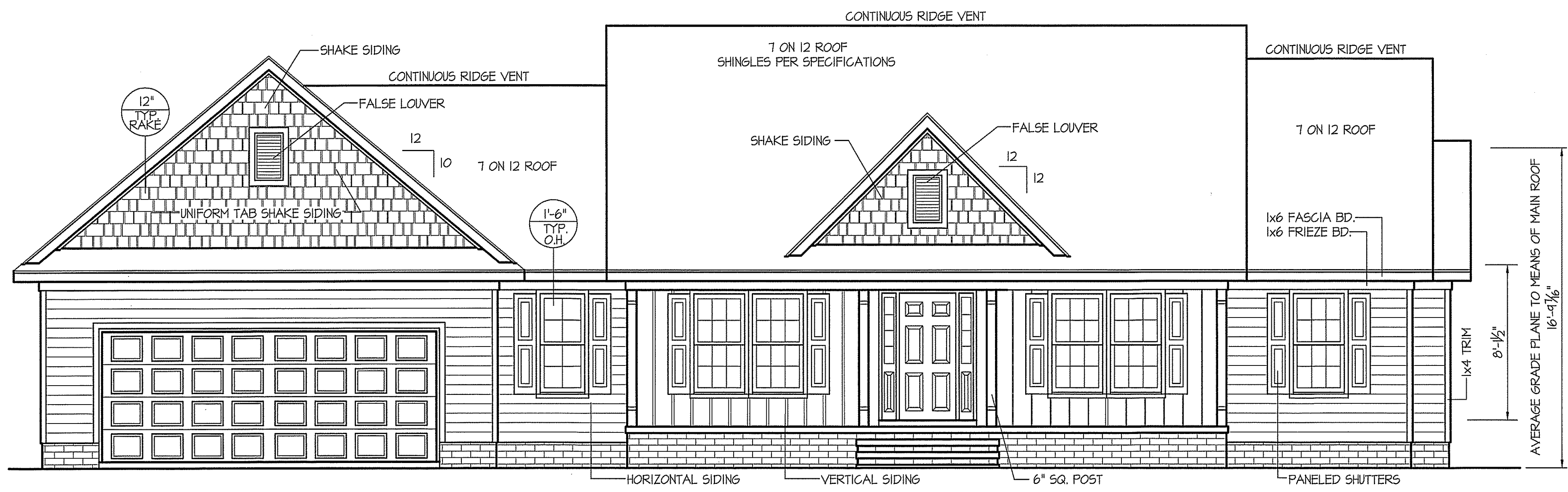


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

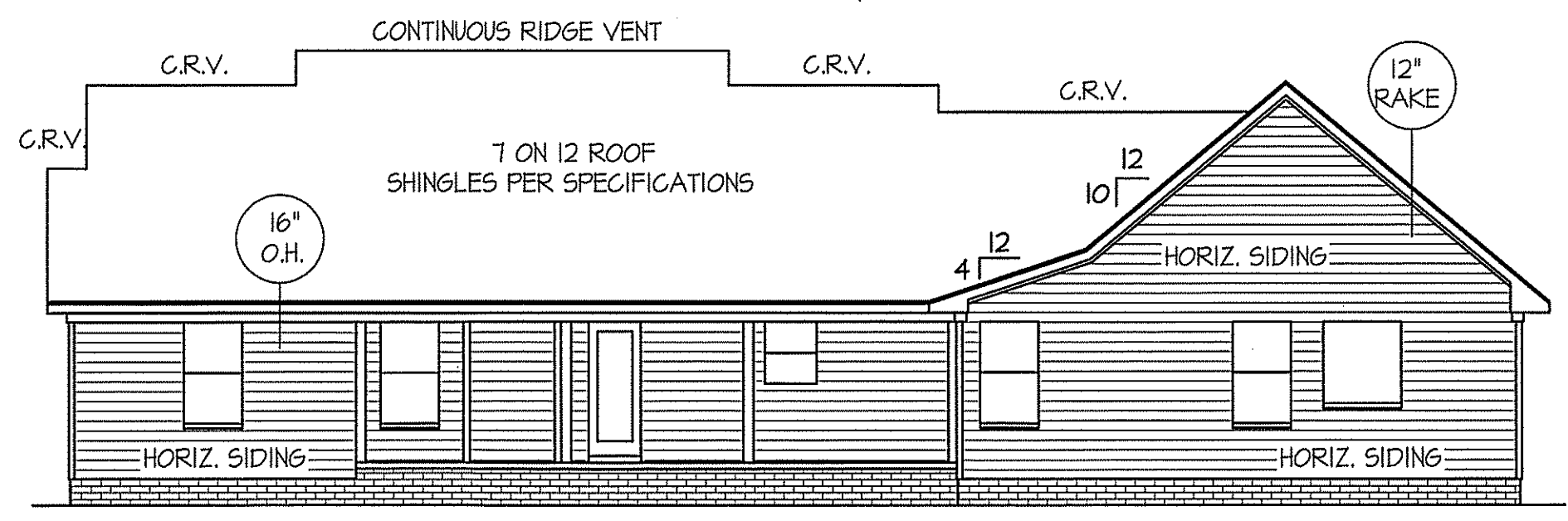


**FRONT ELEVATION**  
SCALE: 1/4" = 1'-0"

WIND ZONES (PER TABLE R301.2(4))

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-WSP (7/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.



**REAR ELEVATION**  
SCALE: 1/8" = 1'-0"

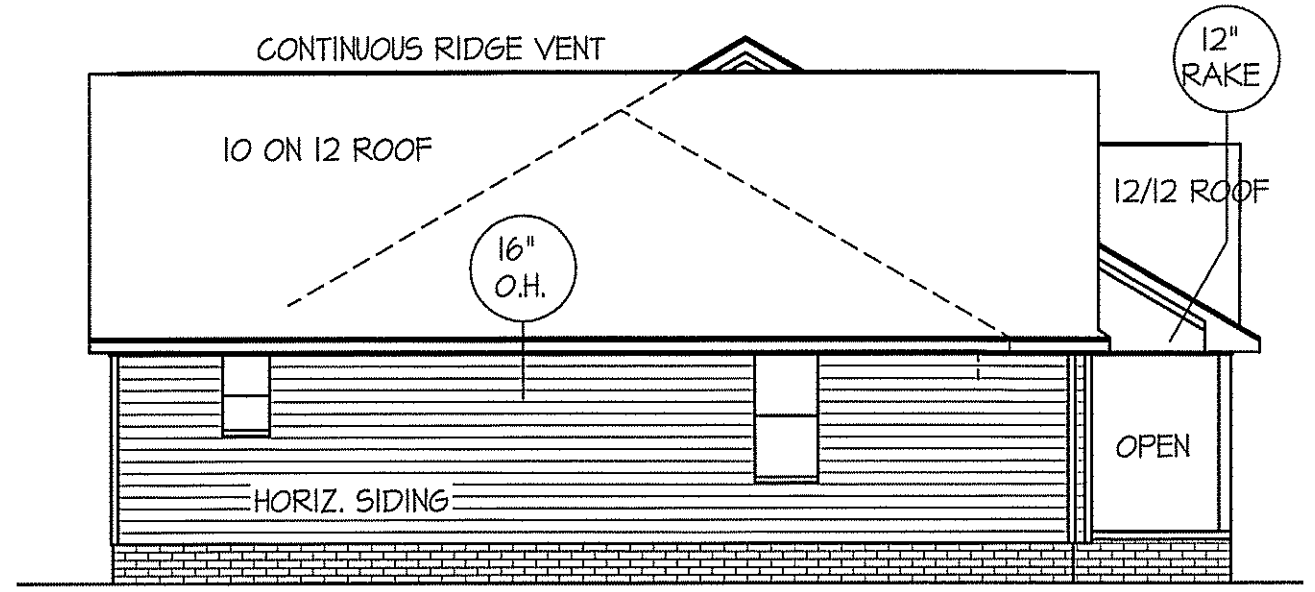
INSULATION and FENESTRATION REQUIREMENTS

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-19	R-19
MIN. CRAWL SPACE WALL R-VALUE	5/13	10/15
MIN. SLAB R-VALUE	0	R-10

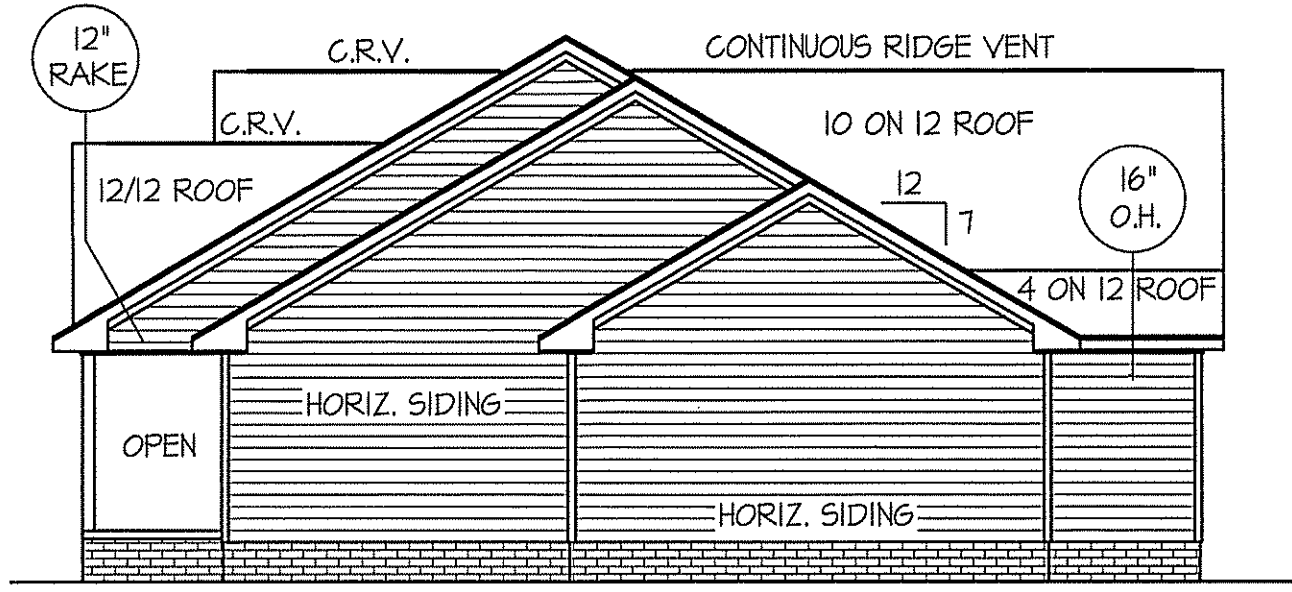
PROVIDE STEPS AS REQUIRED  
GRADE MAY VARY - BUILDER TO VERIFY

ROOF VENTILATION REQ'MTS.  
2240 ATTIC SQ. FT. / 300 = 7.47

PROVIDED ON PLAN  
109 L.F. RIDGE VENT = 20.43  
144 L.F. SOFFIT VENT = 9.0  
TOTAL = 29.43 S.F. FREE NET AREA



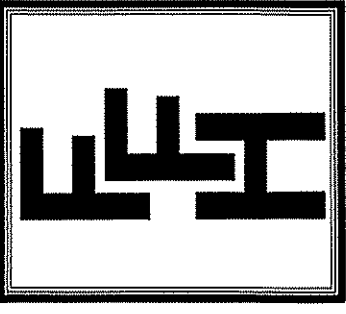
**LEFT ELEVATION**  
SCALE: 1/8" = 1'-0"



**RIGHT ELEVATION**  
SCALE: 1/8" = 1'-0"

DATE:  
MARCH 30, 2020

**FREEDOM FAMILY HOMES**  
P.O. BOX 608  
DUNN, N.C. - 28335  
O: (910) 892-1231 FAX: (910) 892-5680  
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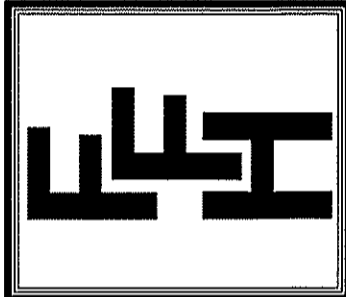


EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
**The Campbell-Left**

SHEET NO.  
**1**

DATE:  
MARCH 30, 2020

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**EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES**  
**The Campbell-Left**

SHEET NO.  
**2**

WIND ZONES (PER TABLE R301.2(4))

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

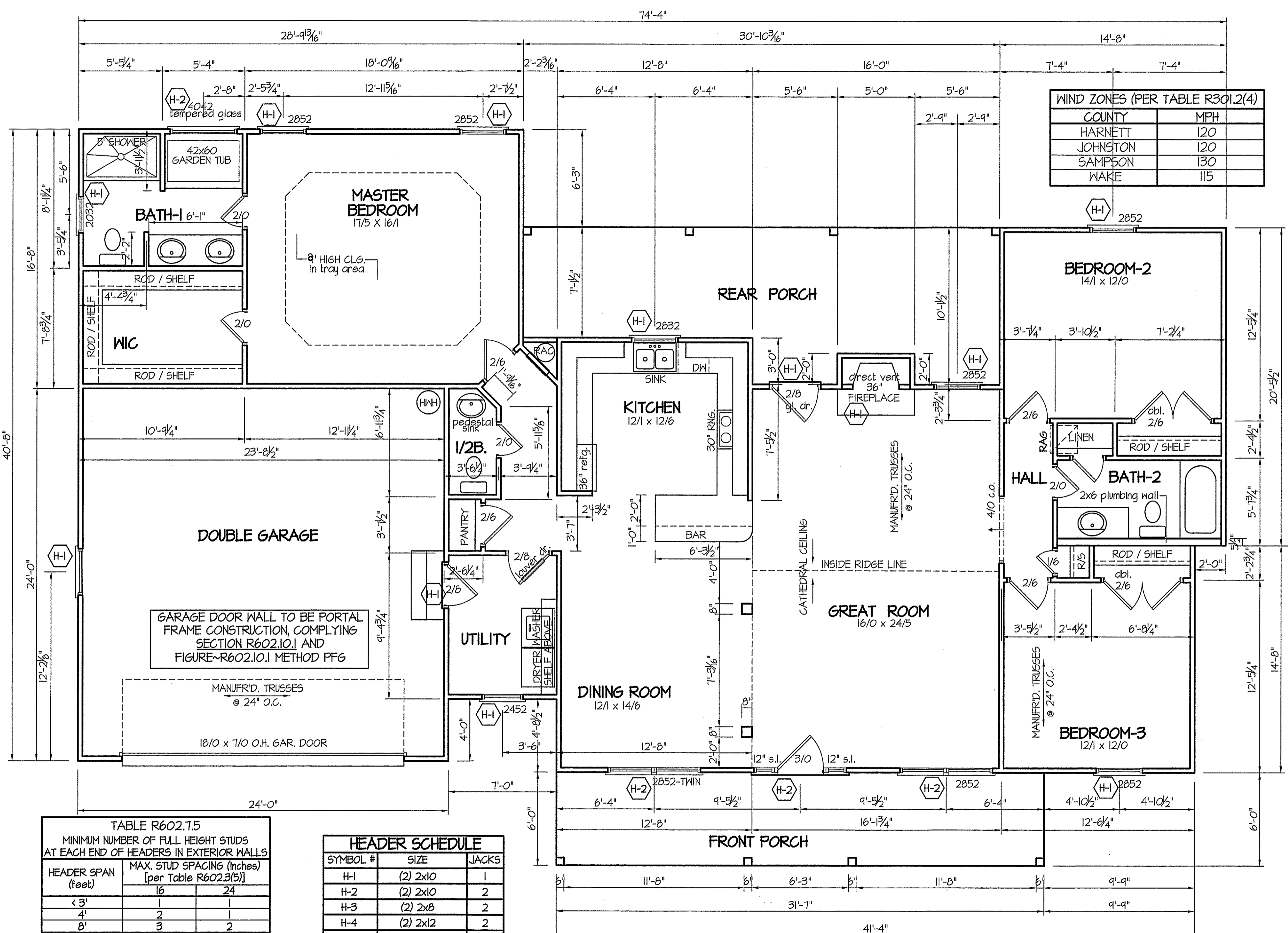


TABLE R602.7.5  
MINIMUM NUMBER OF FULL HEIGHT STUDS  
AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (feet)	MAX. STUD SPACING (Inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

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 9.25 LVL	3

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).

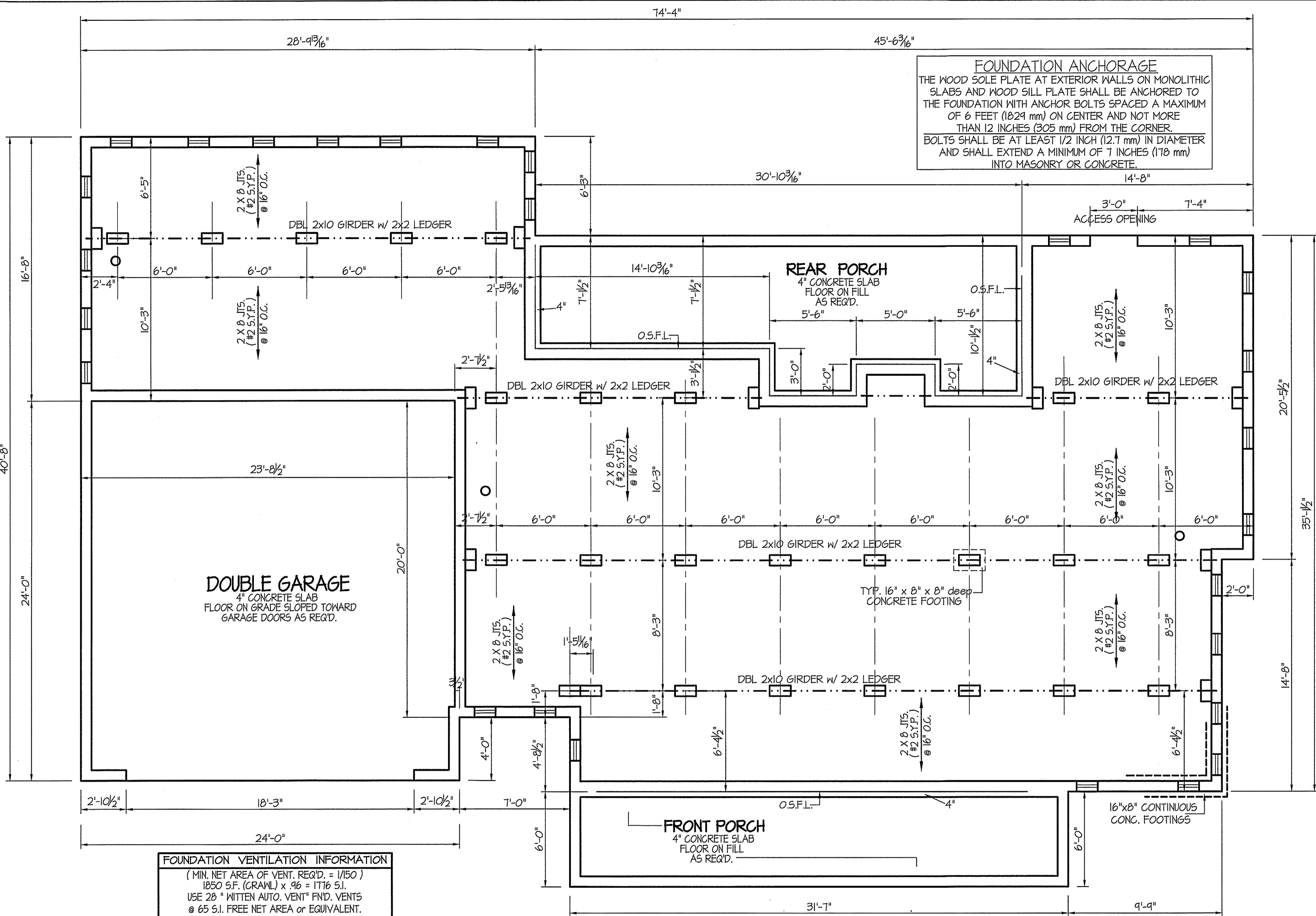
ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-WSP (7/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

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.

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

TYP. 8' CEILINGS  
**FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
1885 S.F. (HEATED-FRAME)  
120 S.F. (FRONT PORCH)  
258 S.F. (REAR PORCH)

COMPUTER FILE: Campbell MARCH-2020



**FOUNDATION ANCHORAGE**  
 THE WOOD SOLE PLATE AT EXTERIOR WALLS ON MONOLITHIC SLABS AND WOOD SILL PLATE SHALL BE ANCHORED TO THE FOUNDATION WITH ANCHOR BOLTS SPACED A MAXIMUM OF 6 FEET (1829 mm) ON CENTER AND NOT MORE THAN 12 INCHES (305 mm) FROM THE CORNER. BOLTS SHALL BE AT LEAST 1/2 INCH (12.7 mm) IN DIAMETER AND SHALL EXTEND A MINIMUM OF 7 INCHES (178 mm) INTO MASONRY OR CONCRETE.

**FOUNDATION VENTILATION INFORMATION**  
 (MIN. NET AREA OF VENT. REQ'D. = 1/150)  
 1050 S.F. (CRAWL) x .96 = 177.6 S.I.  
 USE 28 " WITTEN AUTO. VENT" FND. VENTS @ 65 S.I. FREE NET AREA or EQUIVALENT.  
 (MIN. NET AREA CAN BE REDUCED TO 1/150)  
 1050 S.F. (CRAWL) x .096 = 177.6 S.I.  
 USE 3 " WITTEN AUTO. VENT" FND. VENTS @ 65 S.I. FREE NET AREA or EQUIVALENT.  
 w/ APPROVED 6-mil POLYETHYLENE VAPOR RETARDER or EQUIVALENT IN CRAWL SPACE.  
 REQUIRED VENTS ARE TO BE PLACED SO AS TO PROVIDE CROSS-VENTILATION OF THE CRAWL SPACE.

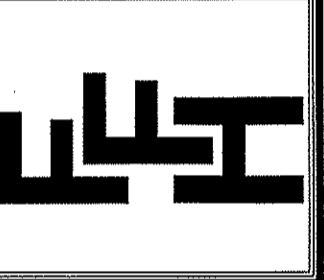
**NOTES:**  
 USE 2 X 8 MUD SILL W/ DBL. 2X10 BANDS ON 8" WALLS  
 PROVIDE ANCHOR BOLTS PER NC STATE CODE  
 USE DOUBLE 2X10 GIRDERS W/ 2X2 LEDGERS  
 USE 2X8 JOISTS AT 16" O.C., ADD SGL. JOIST UNDER PARALLEL INTERIOR WALLS AS REQ'D.  
 PROVIDE 24 X 36 ACCESS OPENING IN FND. WALL.  
 PROVIDE STEPS TO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

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

BOX SILL  
**FOUNDATION PLAN**  
 SCALE: 1/4" = 1'-0"

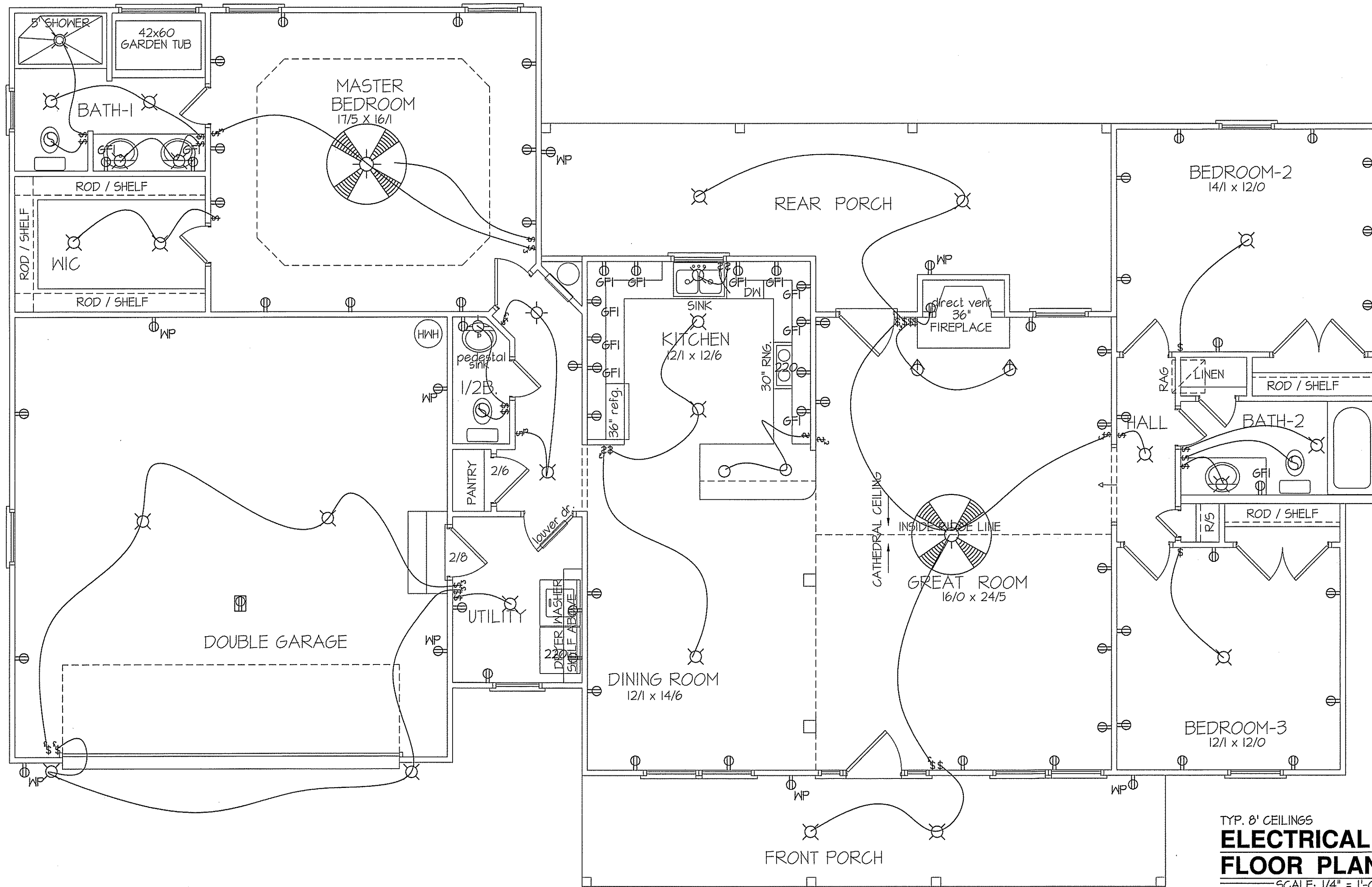
DATE:  
 MARCH 30, 2020

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EXCLUSIVE PLAN FOR  
 FREEDOM FAMILY HOMES  
**The Campbell-Left**

SHEET NO.  
**3**



TYP. 8' CEILINGS  
**ELECTRICAL FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"

TOTAL HEAT GAIN = 30,160 B.T.U.H.  
 TOTAL HEAT LOSS = 47,125 B.T.U.H.

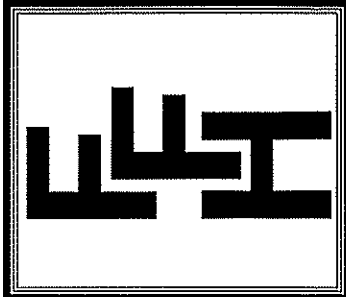
1885 S.F. (HEATED-FRAME)  
 120 S.F. (FRONT PORCH)  
 258 S.F. (REAR PORCH)

**NOTE:**  
 HVAC CONTRACTOR TO PROVIDE OWNERS AND BUILDERS UNIT INFORMATION, BTUH REQUIREMENTS, AND DUCT LAYOUTS BEFORE CONSTRUCTION BEGINS.

ELECTRICAL LEGEND		
<small>PROVIDE BURGLAR/SMOKE AND FIRE DETECTORS AS PER MANUFACTURER'S SPECIFICATIONS.                      PROVIDE CENTRAL VACUUM SYSTEM AS PER MANUFACTURER'S SPECIFICATIONS.                      ALL FANS ARE TO BE CONTROLLED BY VAR/SPEED AND DIRECTIONAL SWITCHES</small>		
⊕ 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		

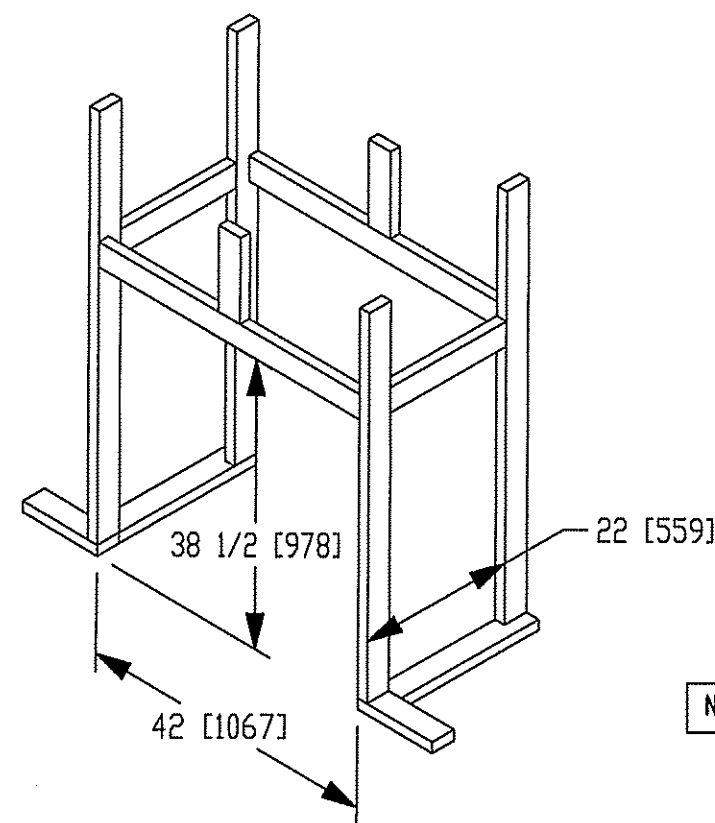
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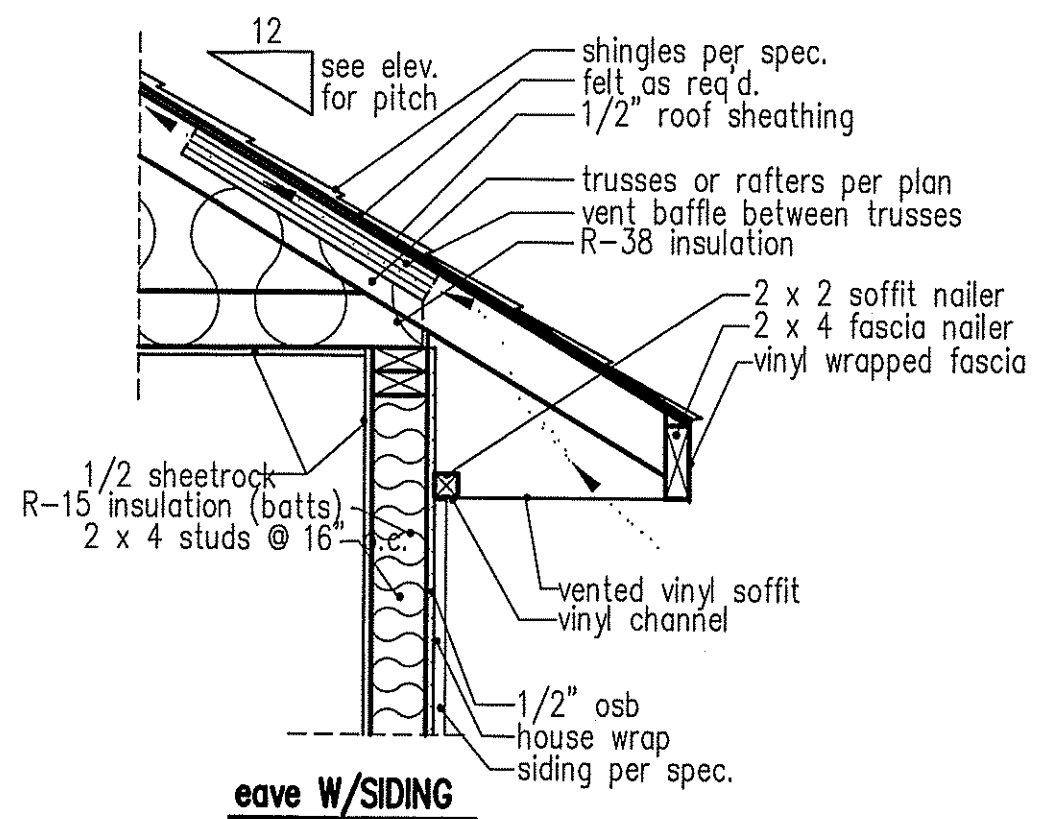


EXCLUSIVE PLAN FOR  
 FREEDOM FAMILY HOMES  
**The Campbell-Left**

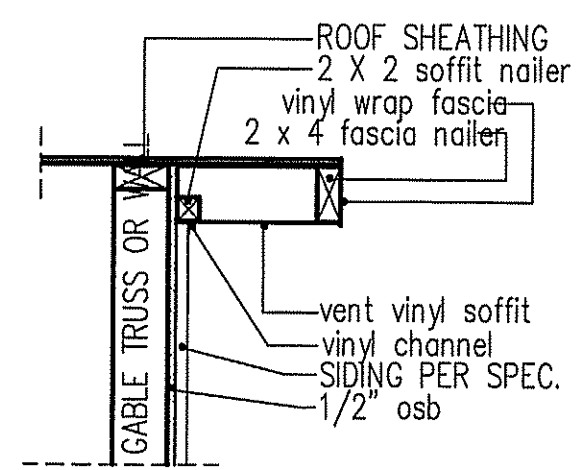
SHEET NO.  
**4**



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



**standard eave details**



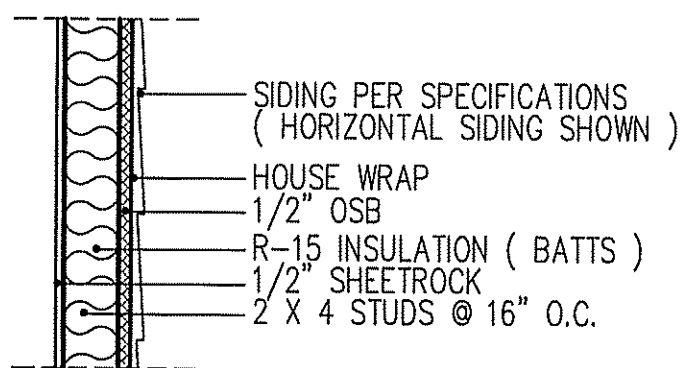
**RAKE w/SIDING**

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

DIMENSIONS IN [ ] ARE MM

Model	Height		Front Width		Back Width		Depth		Glass Size	BTU Input
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing		
6000-TR	38	38-1/2	41	42	28-1/2	42	21-1/2	22		
Inches										

Reference dimensions only. We recommend measuring individual units at installation.



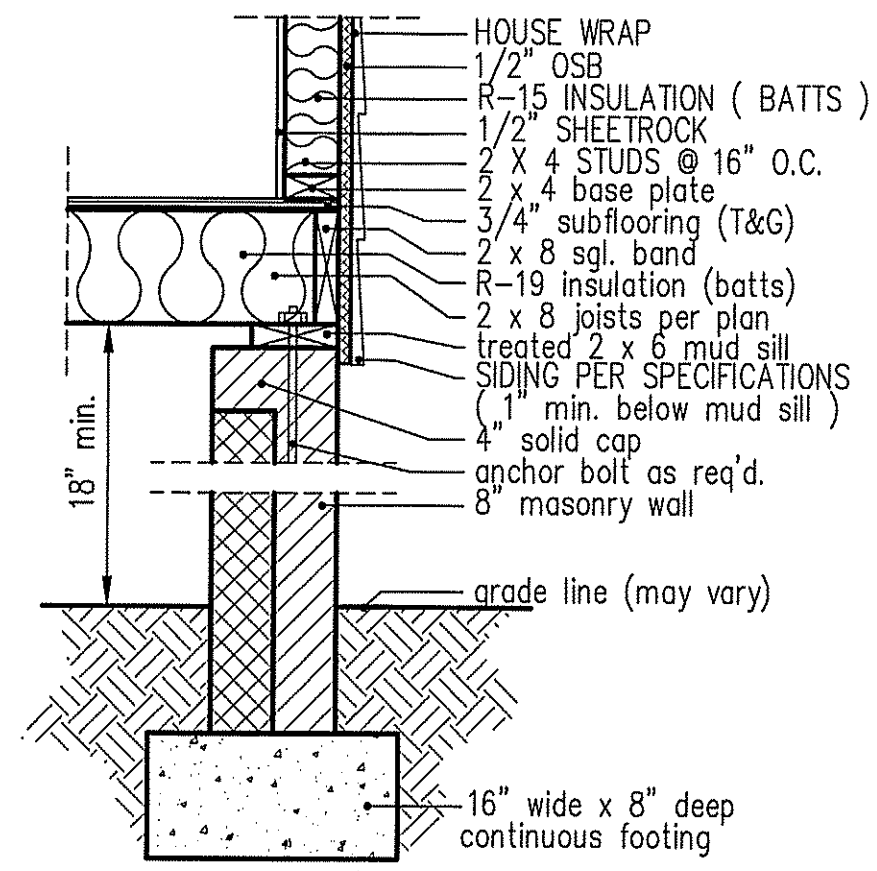
**WALL w/siding**

**intermediate wall details**

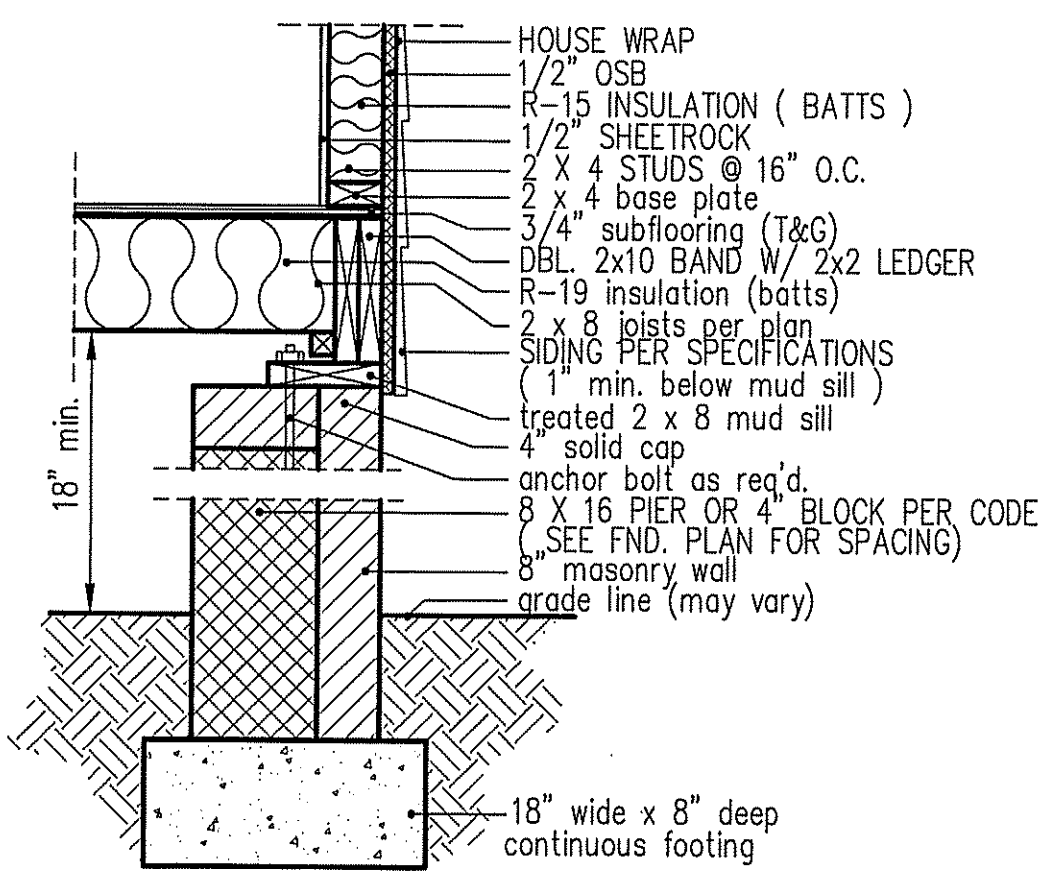
TABLE R602.7.5  
MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (feet)	MAX. STUD SPACING (Inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

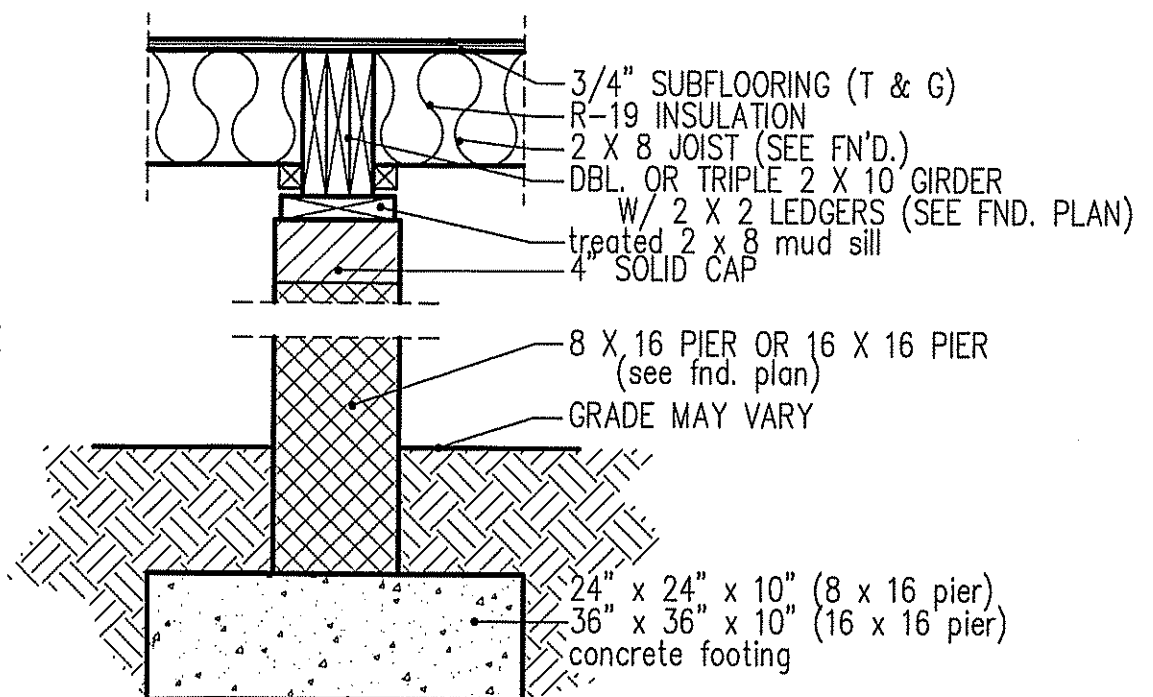
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.-R602.7 (1) AND INT.-R602.7 (2).



**8" BOX SILL FOUNDATION WALL**



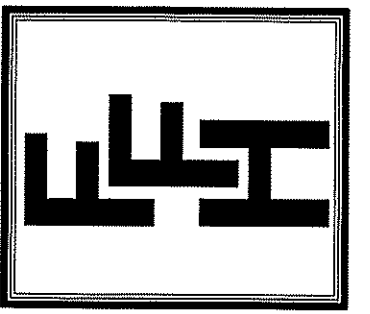
**PIER and CURTAIN FOUNDATION WALL**



**PIER and GIRDER DETAIL**

DATE:  
MARCH 30, 2020

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EXCLUSIVE PLAN FOR  
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**The Campbell**  
PLAN:

SHEET NO.  
**6**