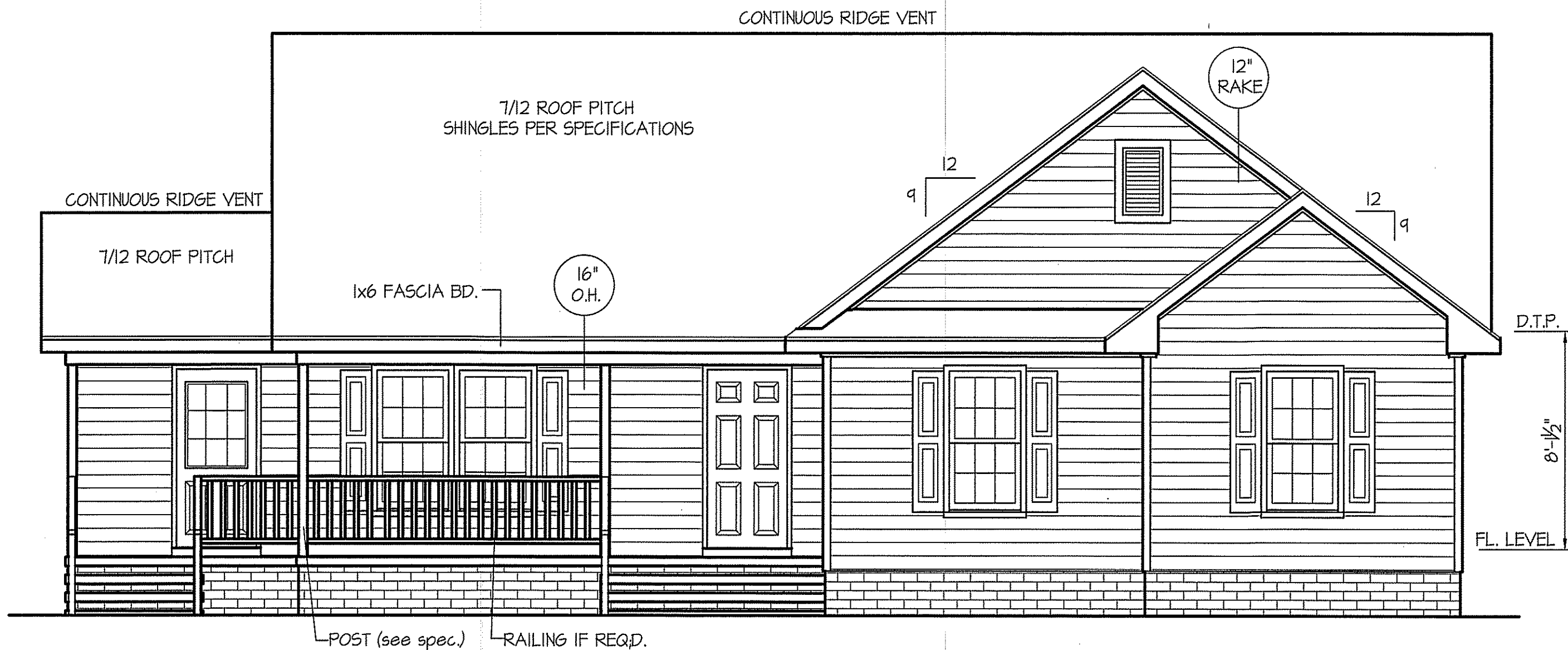


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

DATE:
FEB. 21, 2022

FREEDOM FAMILY HOMES
P.O. BOX 608
DUNN, N.C. - 28335
O: (910) 892-1231 FAX: (910) 892-5680
© 2022, FREEDOM FAMILY HOMES



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

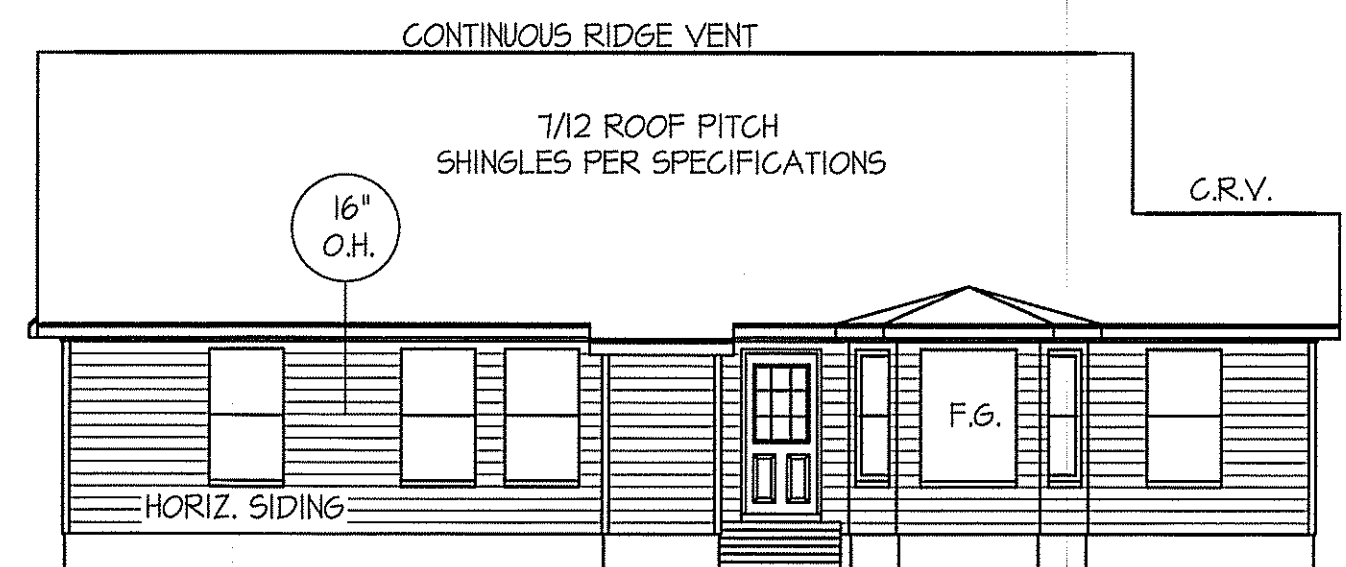
INSULATION and FENESTRATION REQUIREMENTS		
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-38	R-38
MINIMUM WALL R-VALUE	R-15, I3+2.5	R-15, I3+2.5
MINIMUM FLOOR R-VALUE	R-19	R-19
MIN. CRAWL SPACE WALL R-VALUE	5/13	10/15
MIN. SLAB R-VALUE	0	R-10

PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY

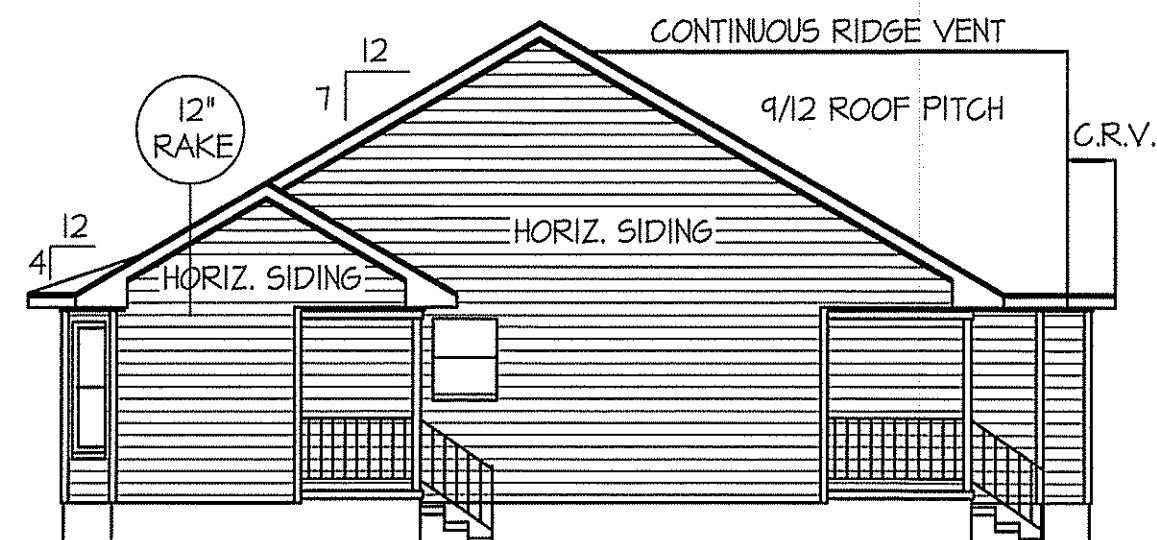
ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-WSP (7/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

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

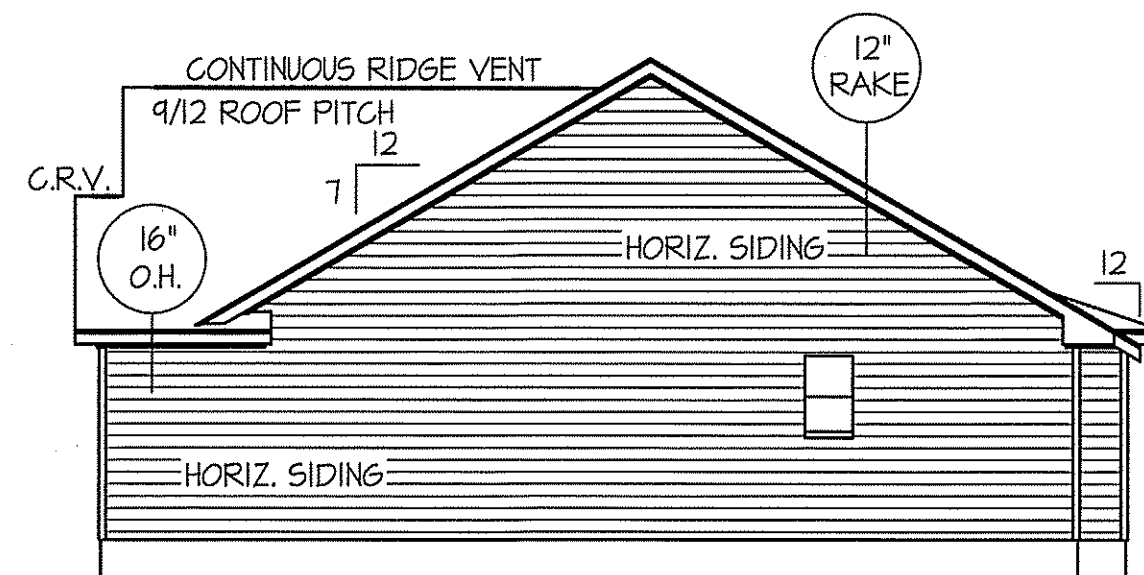
ROOF VENTILATION REQ'MTS.
1796 ATTIC SQ. FT. / 300 = 5.99
PROVIDED ON PLAN
72 L.F. RIDGE VENT = 13.5
91 L.F. SOFFIT VENT = 5.68
TOTAL = 19.18 S.F. FREE NET AREA



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



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



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

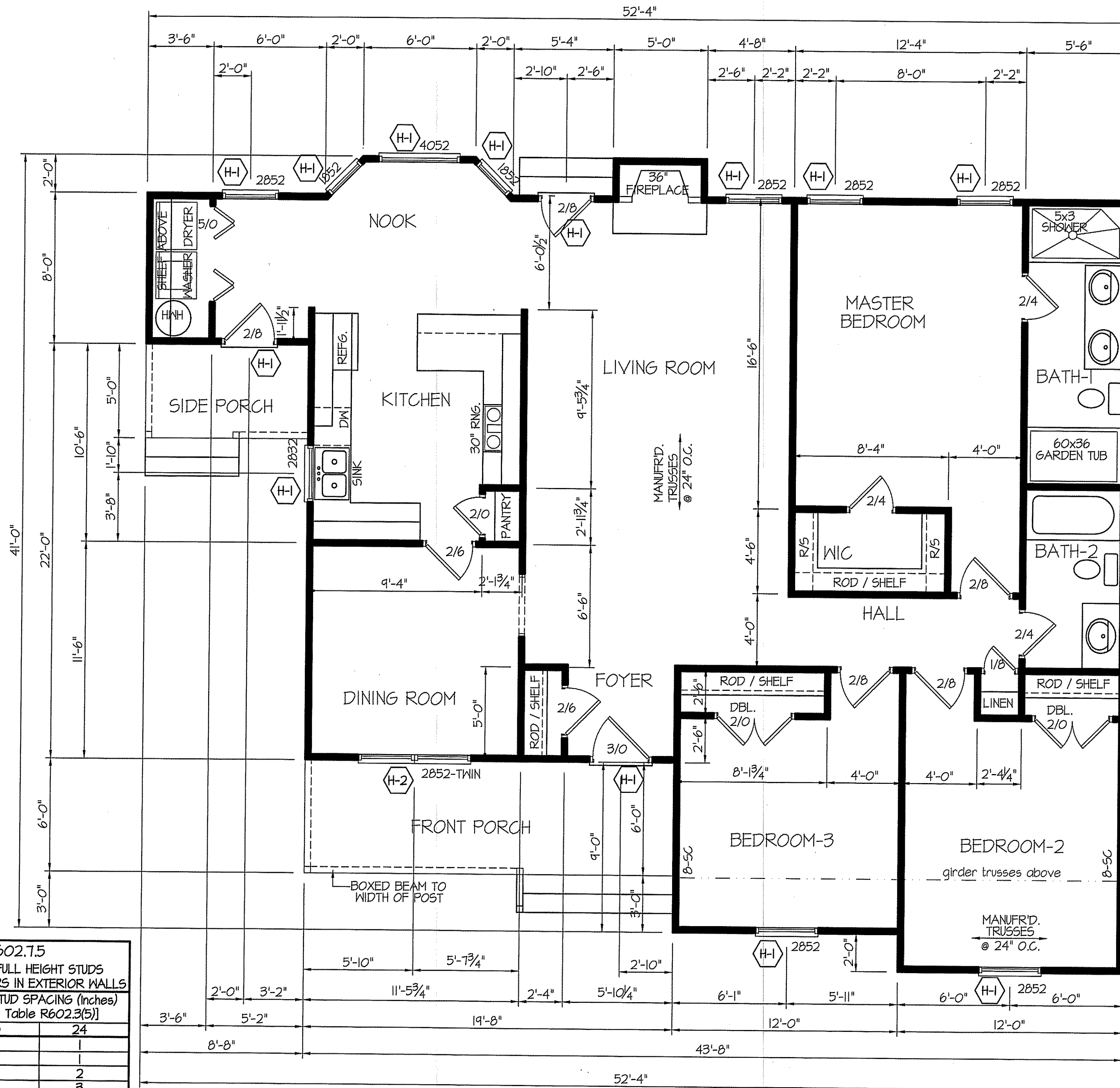


EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
CLAYTON
MBRM. RIGHT

PLAN:

SHEET NO.

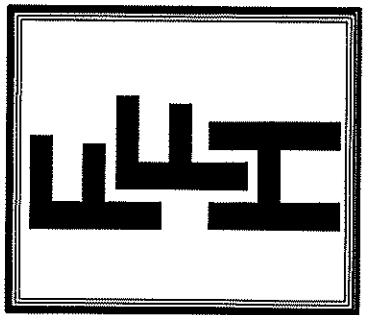
1



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

DATE:
FEB. 21, 2022

FREEDOM FAMILY HOMES
P.O. BOX 608
DUNN, N.C. - 28335
O: (910) 892-1231 FAX: (910) 892-5680
© 2022, FREEDOM FAMILY HOMES



EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
CLAYTON
MBRM. RIGHT

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 LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.-R602.7 (1) AND INT.-R602.7 (2).

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.

1635 S.F. (HEATED-FRAME)
118 S.F. (FRONT PORCH)
43 S.F. (SIDE PORCH)

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

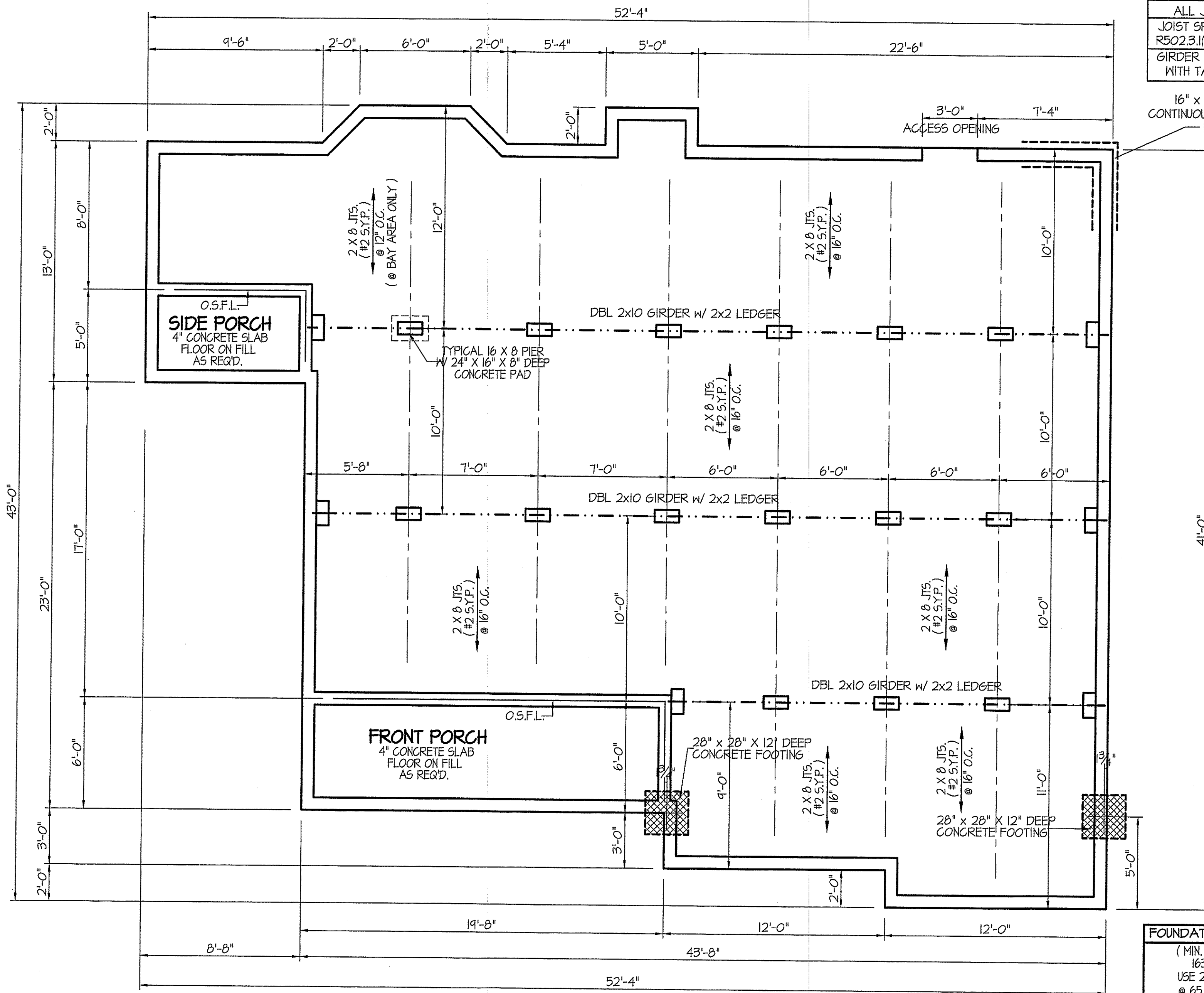
ALL INTERIOR AND EXTERIOR LOAD BEARING HEADERS WILL BE 2x10 #2 SPF UNLESS OTHERWISE NOTED.

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

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

SHEET NO.
2



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 NGR CODES
 GIRDER SPANS AND HEADER SPANS TO COINCIDE
 WITH TABLE R602.7(1), R602.7(2) AND R602.7(3).

16" x 8" DEEP
 CONTINUOUS CONC.
 FOOTING

FOUNDATION DRAINAGE EXCEPTION
 A DRAINAGE SYSTEM IS NOT REQUIRED WHEN THE FOUNDATION IS
 INSTALLED ON WELL-DRAINED GROUND OR SAND-GRAVEL MIXTURE SOILS
 ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM,
 GROUP 1 SOILS, AS DETAILED IN TABLE R405.1

NOTES:
 USE 2 X 6 MUD SILL W/ SGL. 2X8 BANDS ON 8" WALLS
 PROVIDE ANCHOR BOLTS PER NC STATE CODE
 USE DOUBLE 2X10 GIRDERS W/ 2X2 LEDGERS
 USE 2X8 JOISTS @ 12" and 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")
 HOLD ALL PIERS 1/2" BELOW FND. WALLS.

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.
 BOLTS CAN BE SUBSTITUTED WITH
 SIMPSON-MAS STRAPS @ 4' O.C.

FOUNDATION VENTILATION INFORMATION
 (MIN. NET AREA OF VENT. REQ'D. = 1/150)
 1635 S.F. (CRAWL) x .96 = 1569.6 S.I.
 USE 25" WITTEN AUTO. VENT" FND. VENTS
 @ 65 S.I. FREE NET AREA or EQUIVALENT.

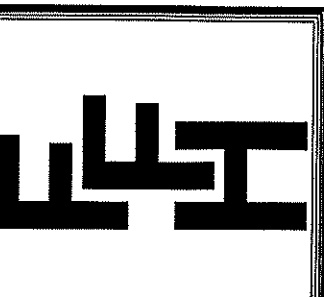
(MIN. NET AREA CAN BE REDUCED TO 1/1,500)
 1635 S.F. (CRAWL) x .096 = 157 S.I.
 USE 3" WITTEN AUTO. VENT" FND. VENTS
 @ 65 S.I. FREE NET AREA or EQUIVALENT.
 w/ APPROVED 6-mil POLYETHYLENE VAPOR RETARDER
 or EQUIVALENT IN CRAWL SPACE.

REQUIRED VENTS ARE TO BE PLACED SO AS TO
 PROVIDE CROSS-VENTILATION OF THE CRAWL SPACE.

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

DATE:
 FEB. 21, 2022

FREEDOM FAMILY HOMES
 P.O. BOX 608
 DUNN, N.C. - 28335
 O: (910) 892-1231 FAX: (910) 892-5680
 © 2022, FREEDOM FAMILY HOMES

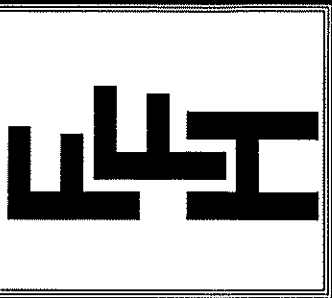


EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
CLAYTON
 MBRM. RIGHT

PLAN:
 SHEET NO.
3

DATE:
FEB. 21, 2022

FREEDOM FAMILY HOMES
P.O. BOX 608
DUNN, N.C. - 28335
O: (910) 892-1231 FAX: (910) 892-5680
© 2022, FREEDOM FAMILY HOMES

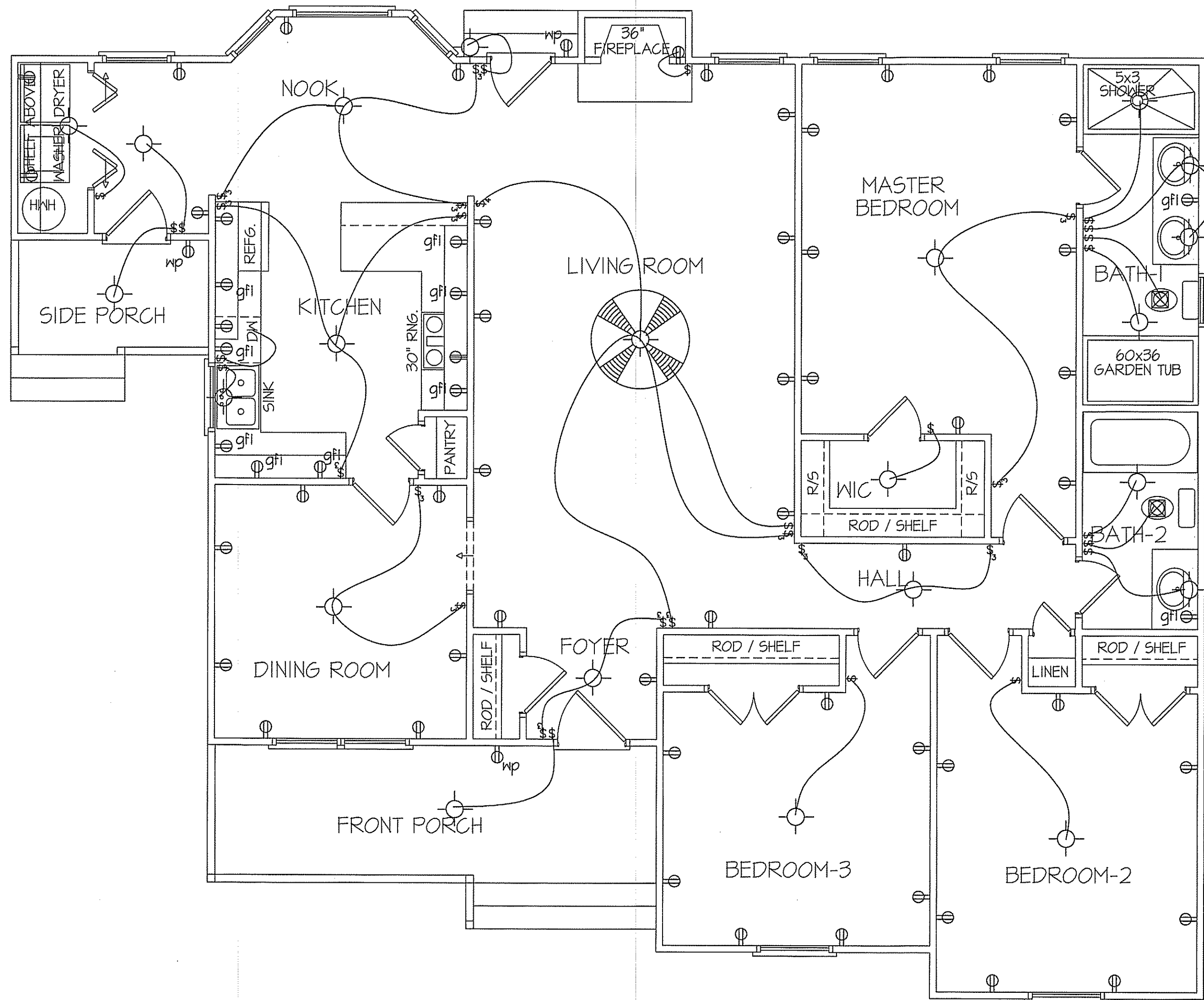


EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
CLAYTON
MBRM. RIGHT

PLAN:

SHEET NO.

4



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

1635 S.F. (HEATED-FRAME)
118 S.F. (FRONT PORCH)
43 S.F. (SIDE PORCH)

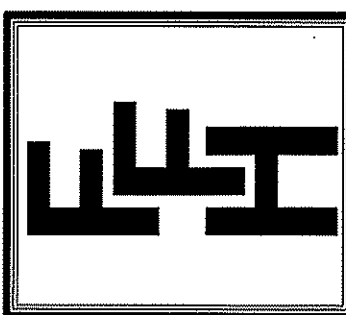
TOTAL HEAT GAIN = 34,662 B.T.U.H.
TOTAL HEAT LOSS = 50,848 B.T.U.H.

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

ELECTRICAL LEGEND		
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		
⊕ 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		

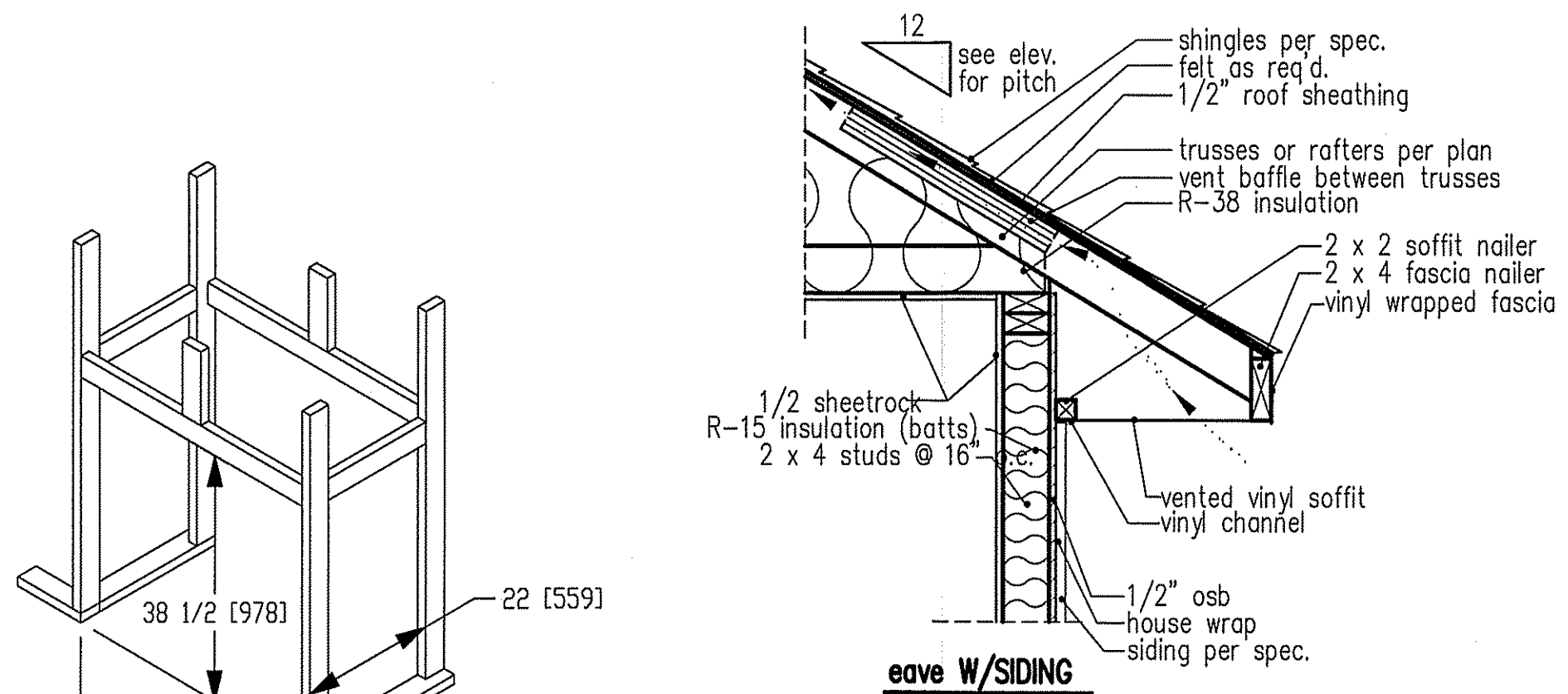
DATE:
FEB. 21, 2022

FREEDOM FAMILY HOMES
P.O. BOX 608
DUNN, N.C. - 28335
O: (910) 892-1231 FAX: (910) 892-5680
© 2022, FREEDOM FAMILY HOMES



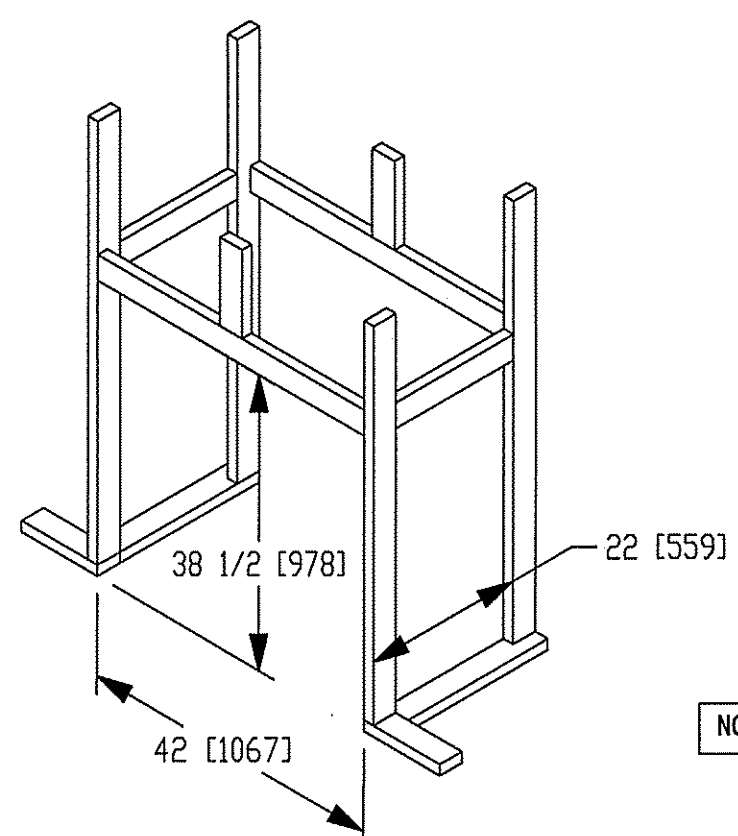
**EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
CLAYTON
MBRM. RIGHT**

PLAN:
SHEET NO.
5



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

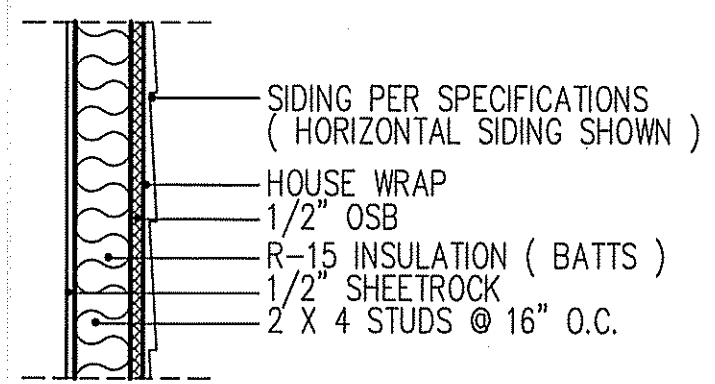
standard eave details



DIMENSIONS IN [] ARE MM

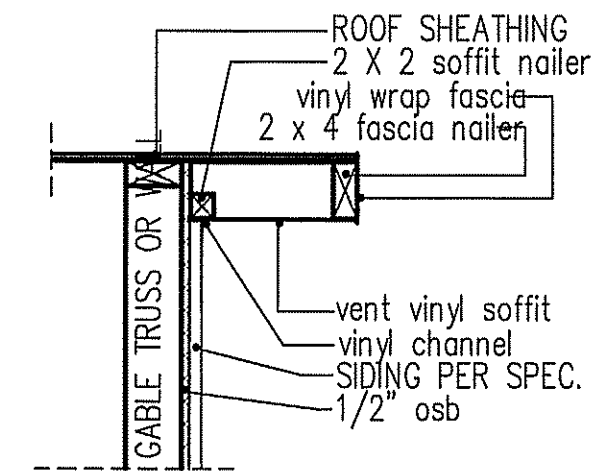
Model 6000-TR	Height		Front Width		Back Width		Depth		Glass Size	BTU Input
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing		
Inches	38	38-1/2	41	42	28-1/2	42	21-1/2	22		

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



WALL W/siding

**intermediate
wall details**



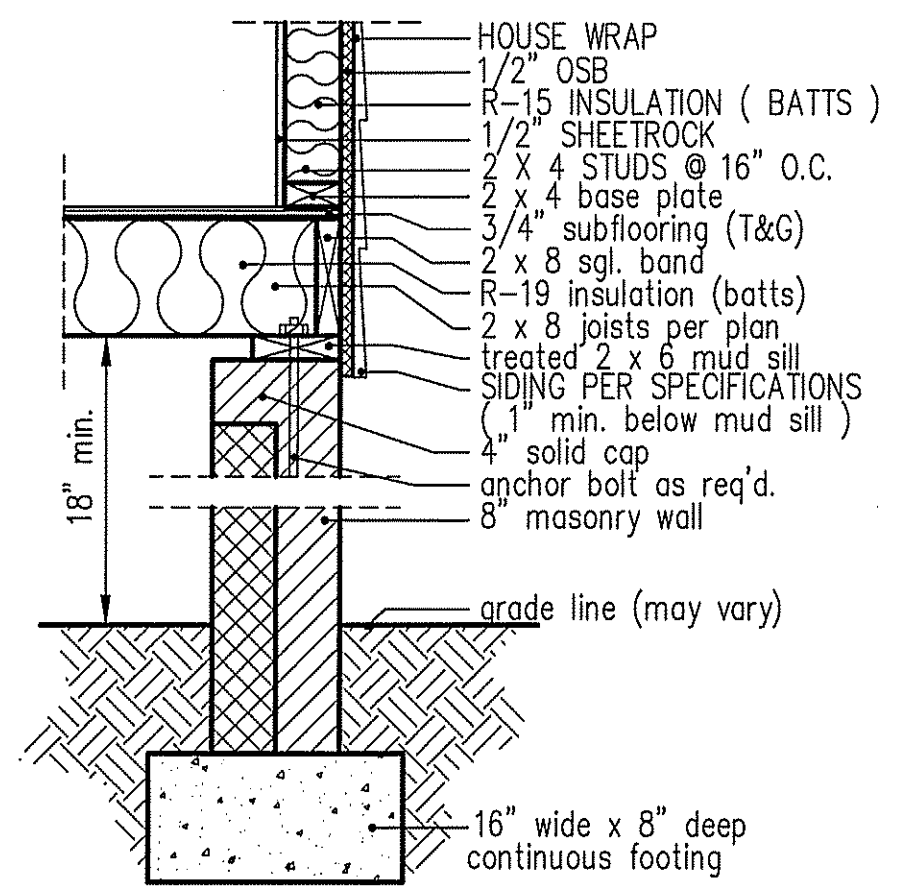
RAKE w/SIDING

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

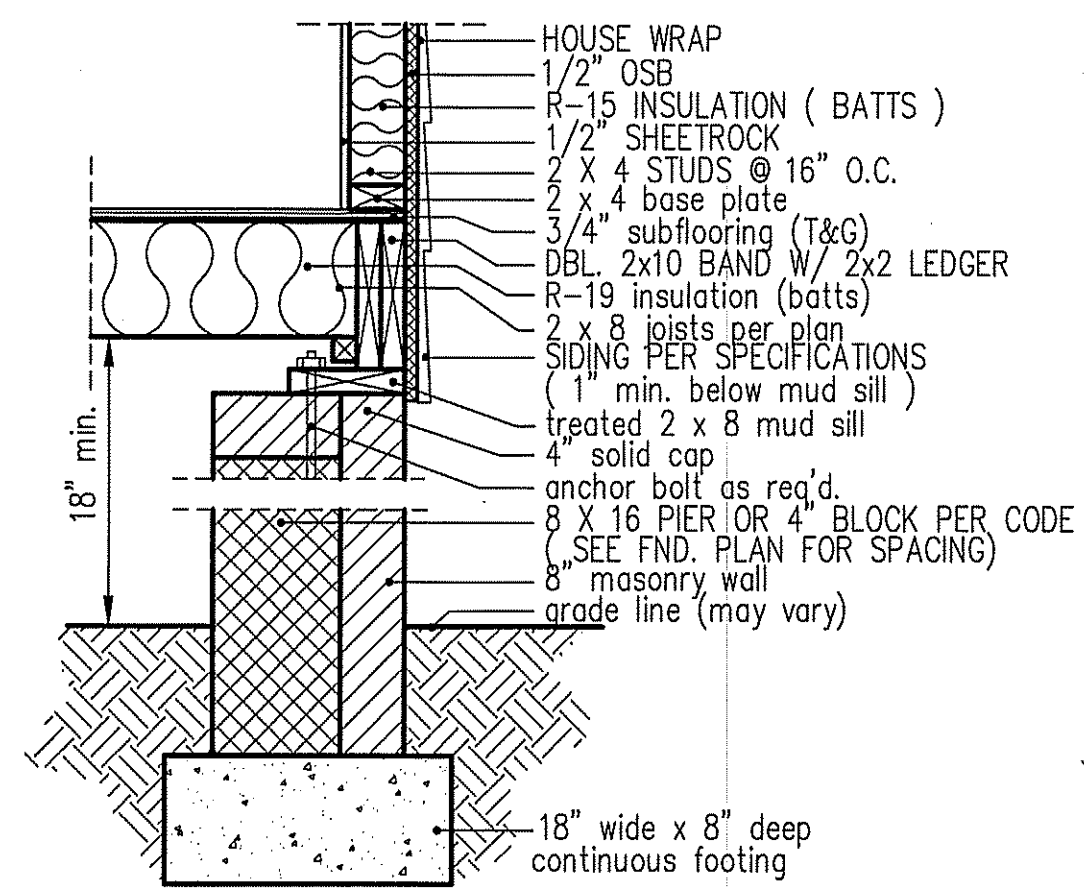
TABLE R602.1.5
MINIMUM NUMBER OF FULL HEIGHT STUDS
AT EACH END OF HEADERS IN EXTERIOR WALLS

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

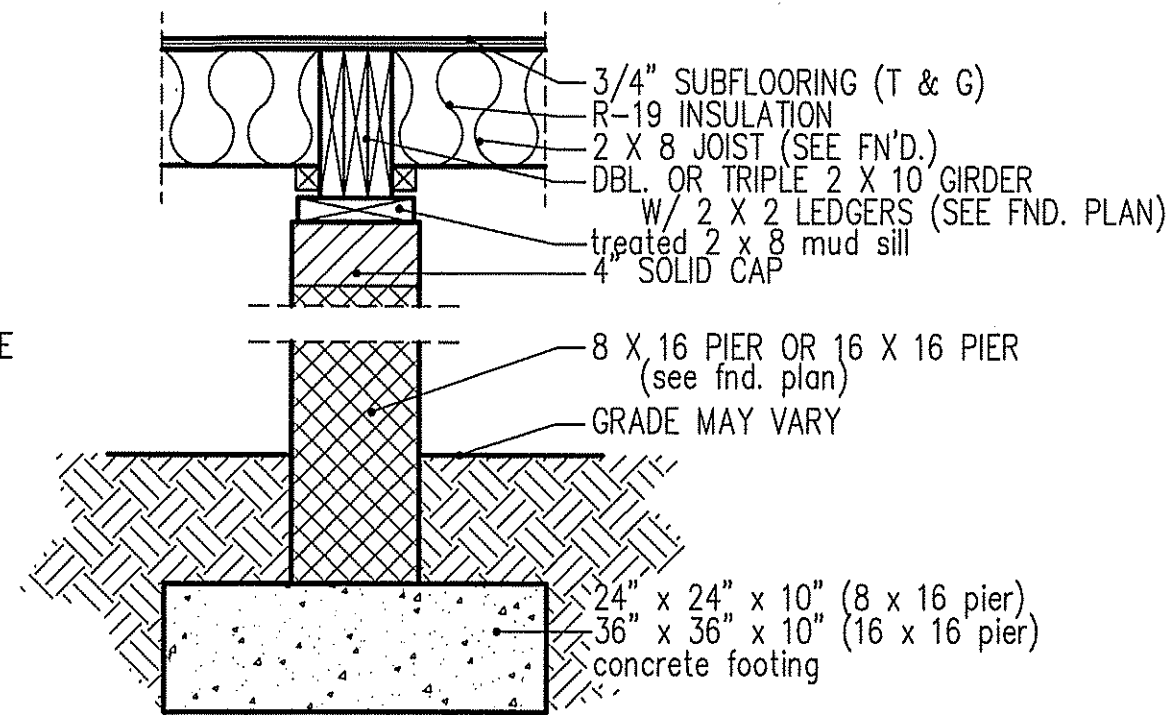
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.~R602.1 (1) AND INT.~R602.1 (2).



**8" BOX SILL
FOUNDATION WALL**



**PIER and CURTAIN
FOUNDATION WALL**



**PIER and GIRDER
DETAIL**