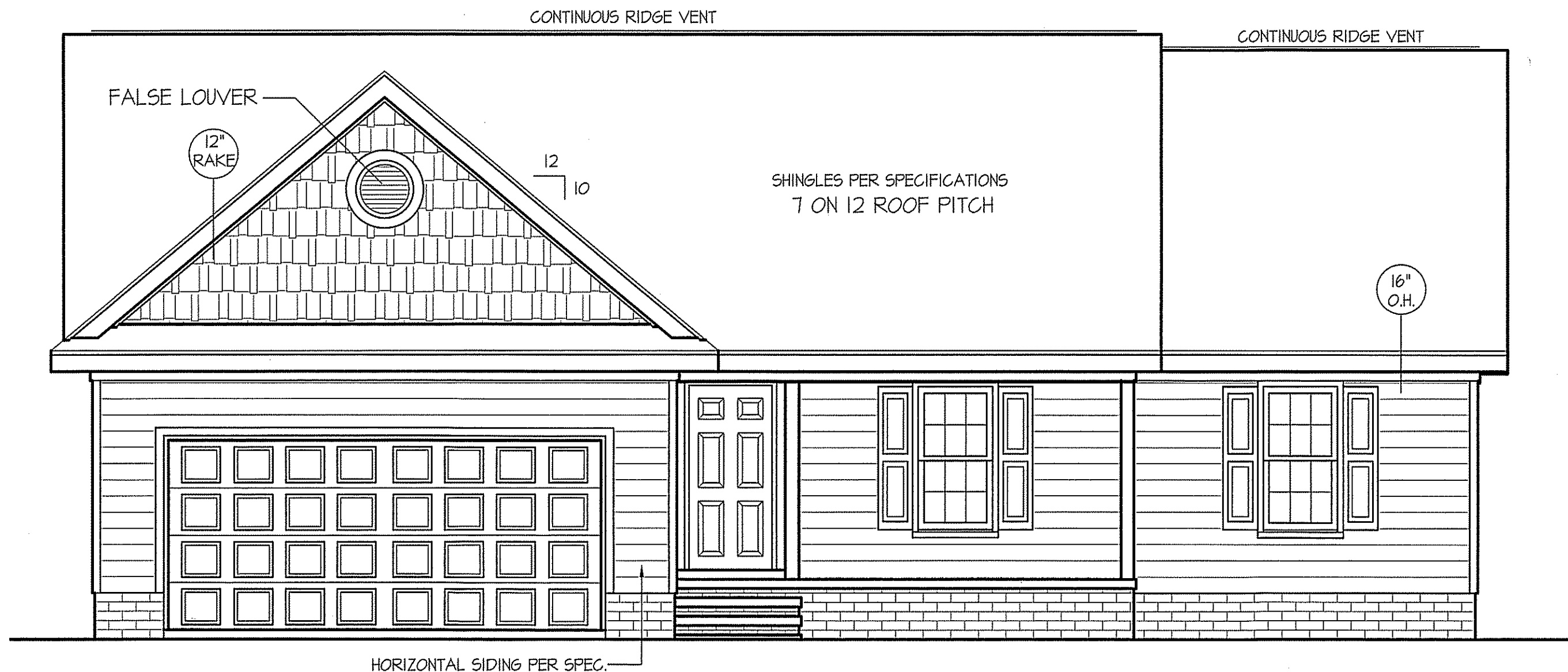


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

DATE:  
JULY 24, 2019

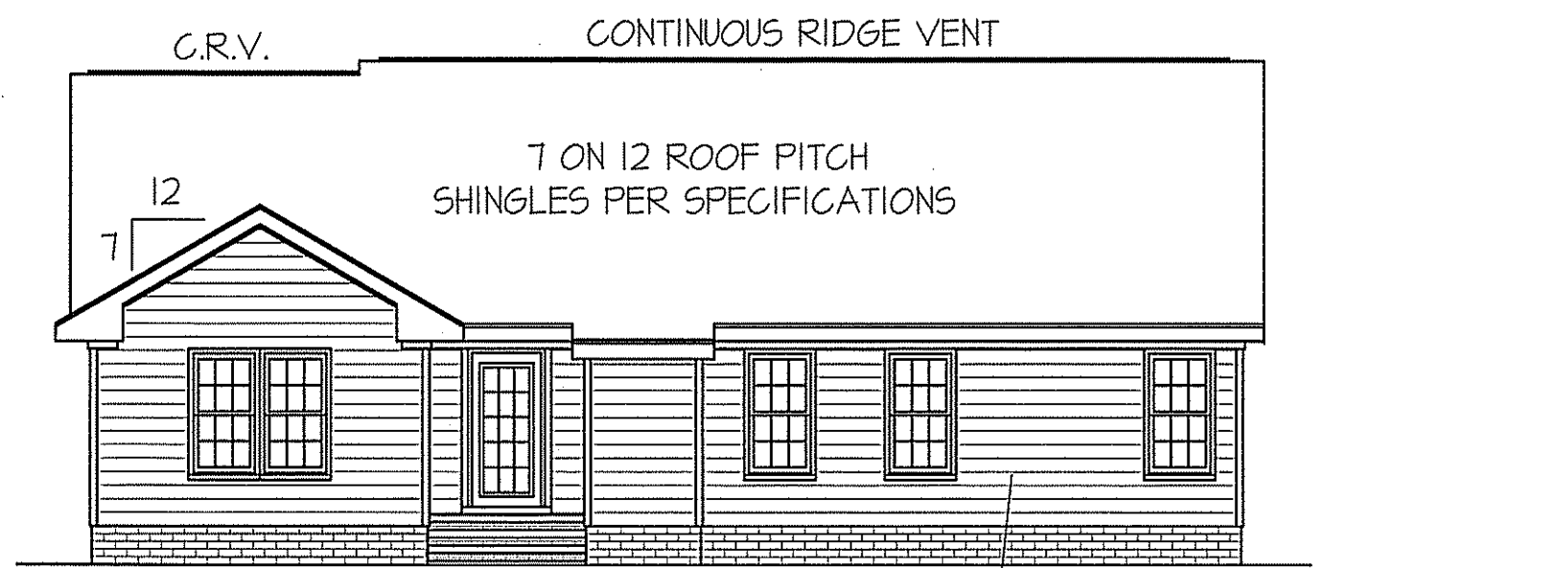
**FREEDOM FAMILY HOMES**  
P.O. BOX 608  
DUNN, N.C. - 28335  
O: (910) 892-1231 FAX: (910) 892-5680  
© 2019, FREEDOM FAMILY HOMES



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

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

ROOF VENTILATION REQ'MTS.  
2074 ATTIC SQ. FT. / 300 = 6.91  
PROVIDED ON PLAN  
86 L.F. RIDGE VENT = 16.13  
118 L.F. SOFFIT VENT = 7.38  
TOTAL = 23.51 S.F. FREE NET AREA



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

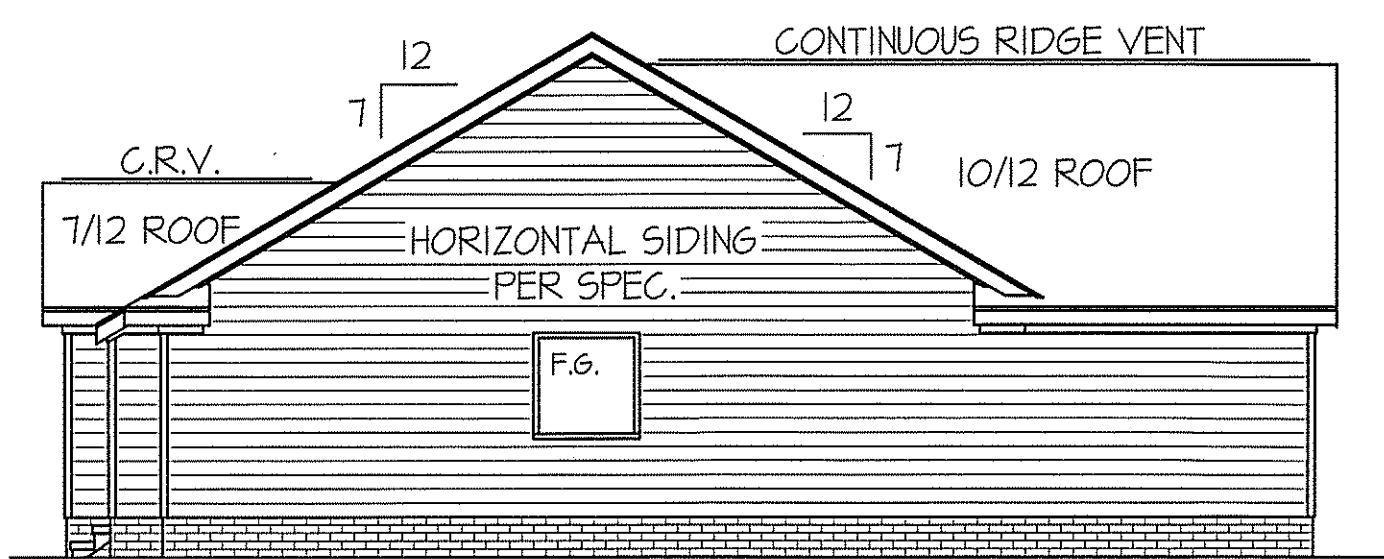
WIND ZONES (PER TABLE R301.2(4))

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

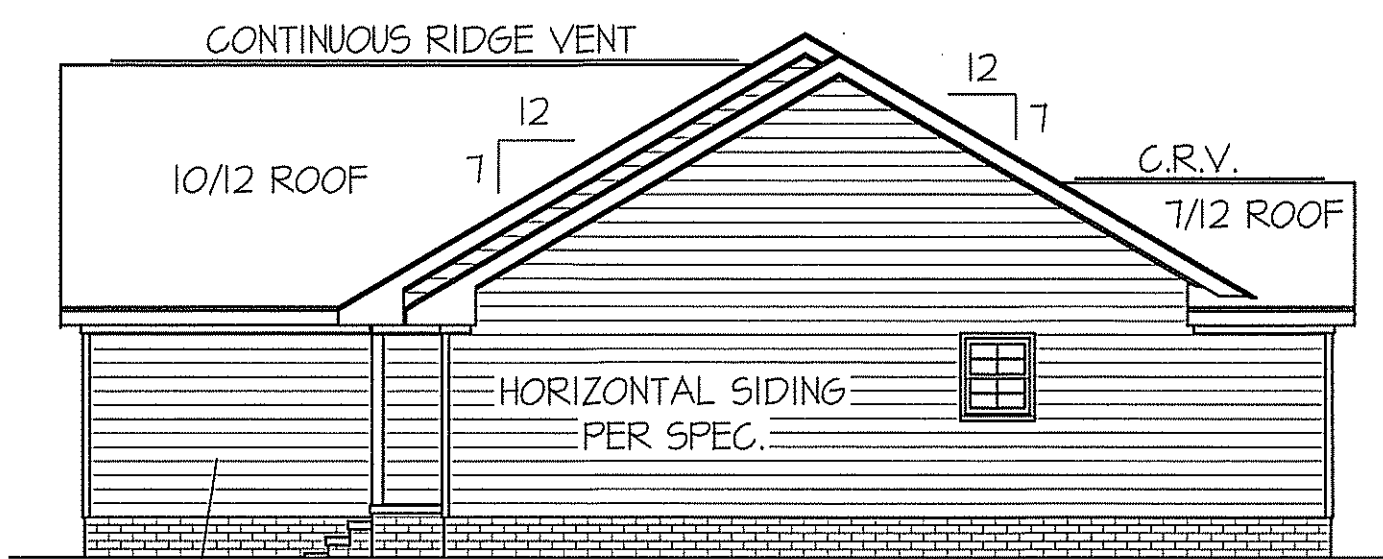
INSULATION and FENESTRATION REQUIREMENTS

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

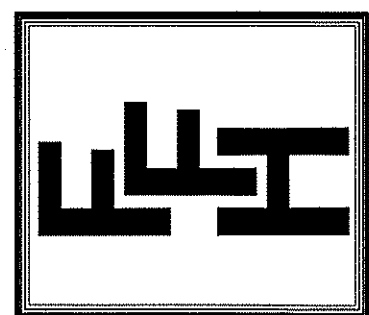
PROVIDE STEPS AS REQUIRED  
GRADE MAY VARY - BUILDER TO VERIFY



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

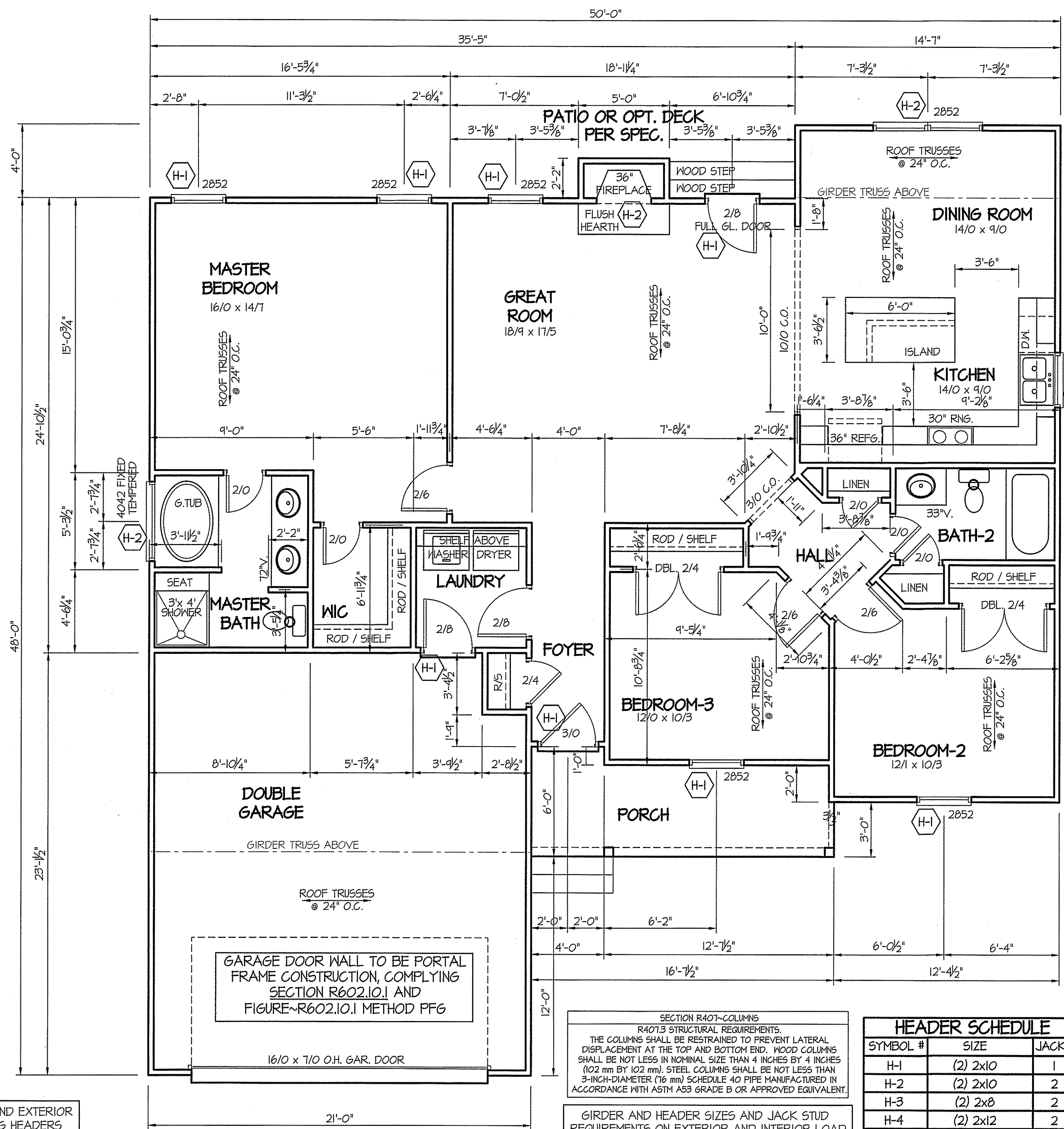


**RIGHT ELEVATION**  
SCALE: 1/8" = 1'-0"



EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
HIGH POINT ~ LEFT

SHEET NO.  
**1**

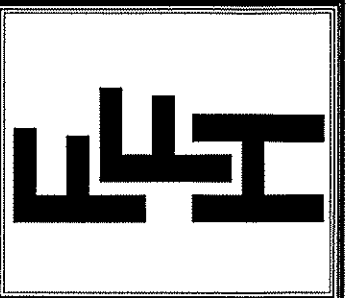


WIND ZONES (PER TABLE R301.2(4))

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

DATE:  
JULY 24, 2019

**FREEDOM FAMILY HOMES**  
P.O. BOX 608  
DUNN, N.C. - 28335  
O: (910) 892-1231 FAX: (910) 892-5680  
© 2019, FREEDOM FAMILY HOMES



EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
**HIGH POINT ~ LEFT**

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

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

8' CEILINGS UNLESS OTHERWISE NOTED  
**FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
FIRST FLOOR HEATED FRAME AREA = 1511 S.F.  
PORCH AREA = 87 S.F.  
DOUBLE GARAGE AREA = 476 S.F.

SECTION R407-COLUMNS  
R407.9 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.

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).

**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

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

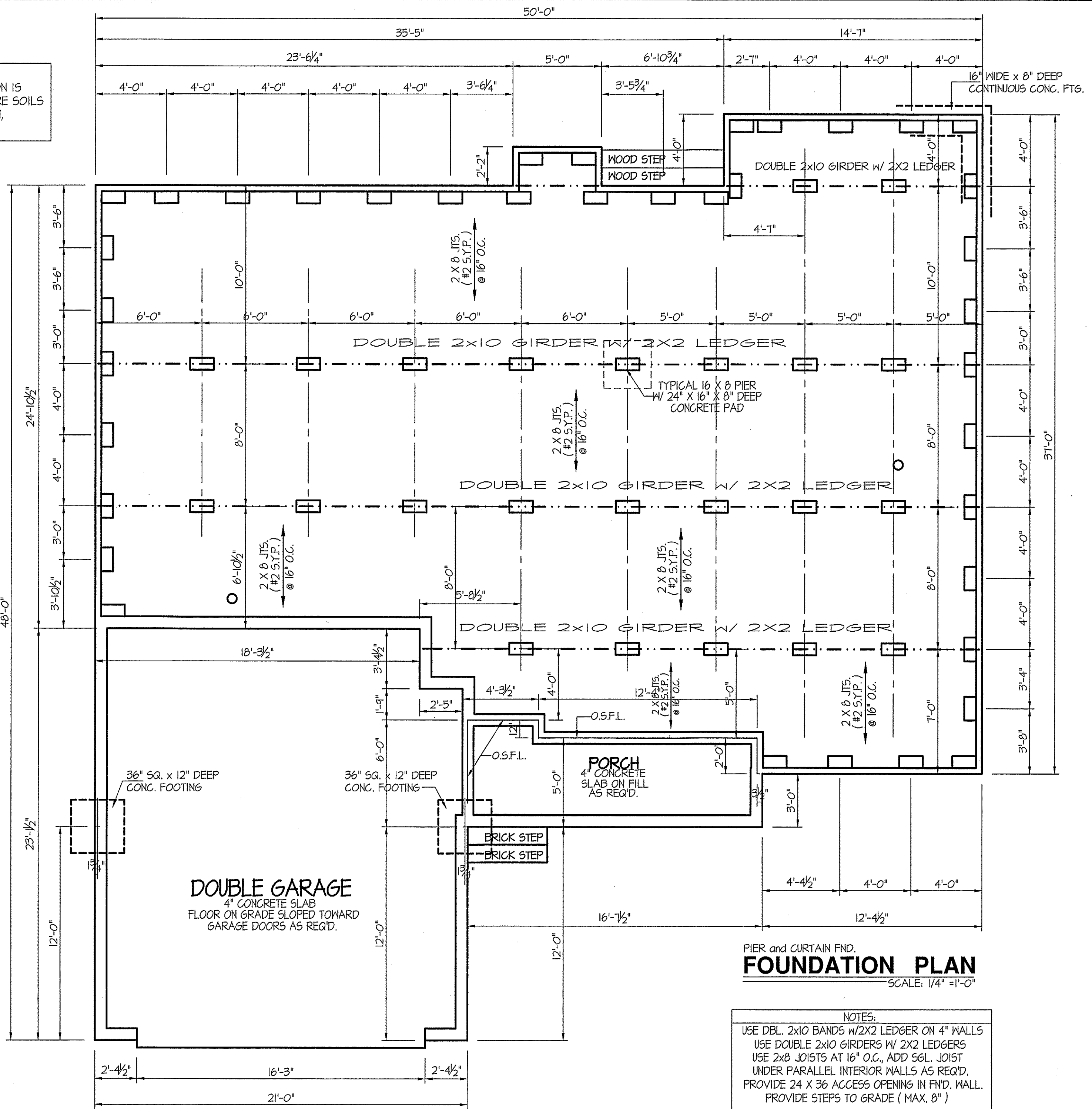
SHEET NO.  
**2**

**FOUNDATION DRAINAGE**  
 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

**FOUNDATION VENTILATION INFORMATION**  
 (MIN. NET AREA OF VENT. REQ'D. = 1/150)  
 1511 S.F. (CRAWL) x .096 = 1450.56 S.I.  
 USE 23" WITTEN AUTO. VENT" FN'D. VENTS @ 65 S.I. FREE NET AREA or EQUIVALENT.  
 (MIN. NET AREA CAN BE REDUCED TO 1/150)  
 1511 S.F. (CRAWL) x .096 = 1450.56 S.I.  
 USE 3" WITTEN AUTO. VENT" FN'D. 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.

**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 4 FEET (1219.3 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 15 INCHES (178 mm) INTO MASONRY OR CONCRETE.

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).

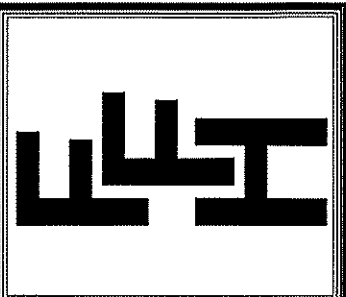


PIER and CURTAIN FND.  
**FOUNDATION PLAN**  
 SCALE: 1/4" = 1'-0"

**NOTES:**  
 USE DBL. 2x10 BANDS w/2x2 LEDGER ON 4" WALLS  
 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 FN'D. WALL.  
 PROVIDE STEPS TO GRADE (MAX. 8")

DATE:  
 JULY 24, 2019

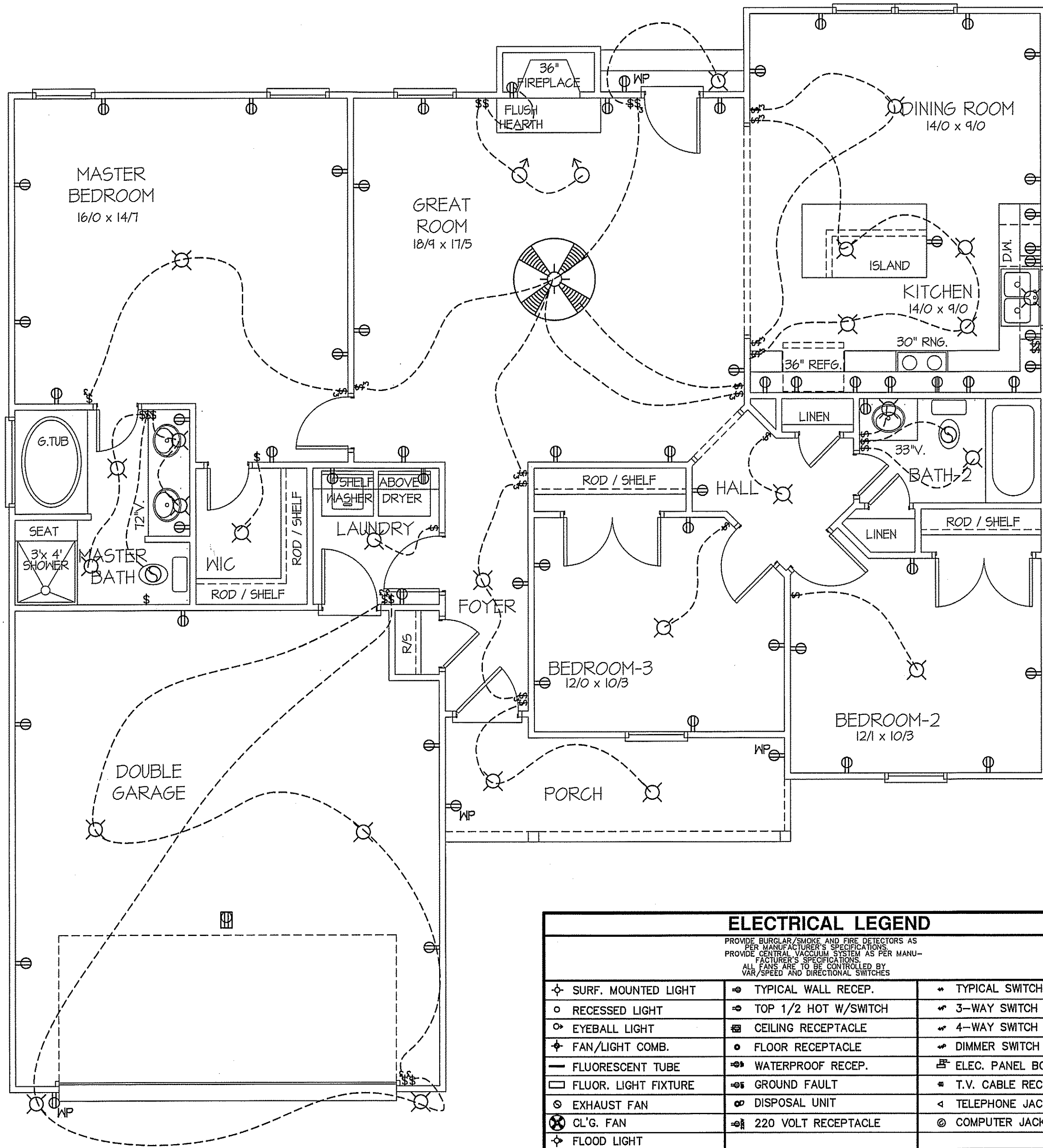
**FREEDOM FAMILY HOMES**  
 P.O. BOX 608  
 DUNN, N.C. - 28335  
 O: (910) 892-1231 FAX: (910) 892-5680  
 ©2019, FREEDOM FAMILY HOMES



EXCLUSIVE PLAN FOR  
 FREEDOM FAMILY HOMES  
**HIGH POINT ~ LEFT**

SHEET NO.  
**3**

MAIN COMPUTER FILE: FFH - HIGH POINT - JULY-2019



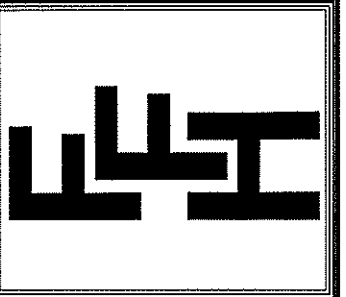
ELECTRICAL LEGEND		
<small>PROVIDE BURGLAR/SMOKE AND FIRE DETECTORS AS PER MANUFACTURER'S SPECIFICATIONS.            PROVIDE CENTRAL VACUUM SYSTEM AS PER MANUFACTURER'S SPECIFICATIONS.            ALL FANS ARE TO BE CONTROLLED BY VAR/SPEED AND DIRECTIONAL SWITCHES</small>		
⊕ SURF. MOUNTED LIGHT	⊕ TYPICAL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

8' CL'G. UNLESS OTHERWISE NOTE  
**ELECTRICAL FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"

FIRST FLOOR HEATED FRAME AREA = 1511 S.F.  
 PORCH AREA = 87 S.F.  
 DOUBLE GARAGE AREA = 476 S.F.

DATE:  
 JULY 24, 2019

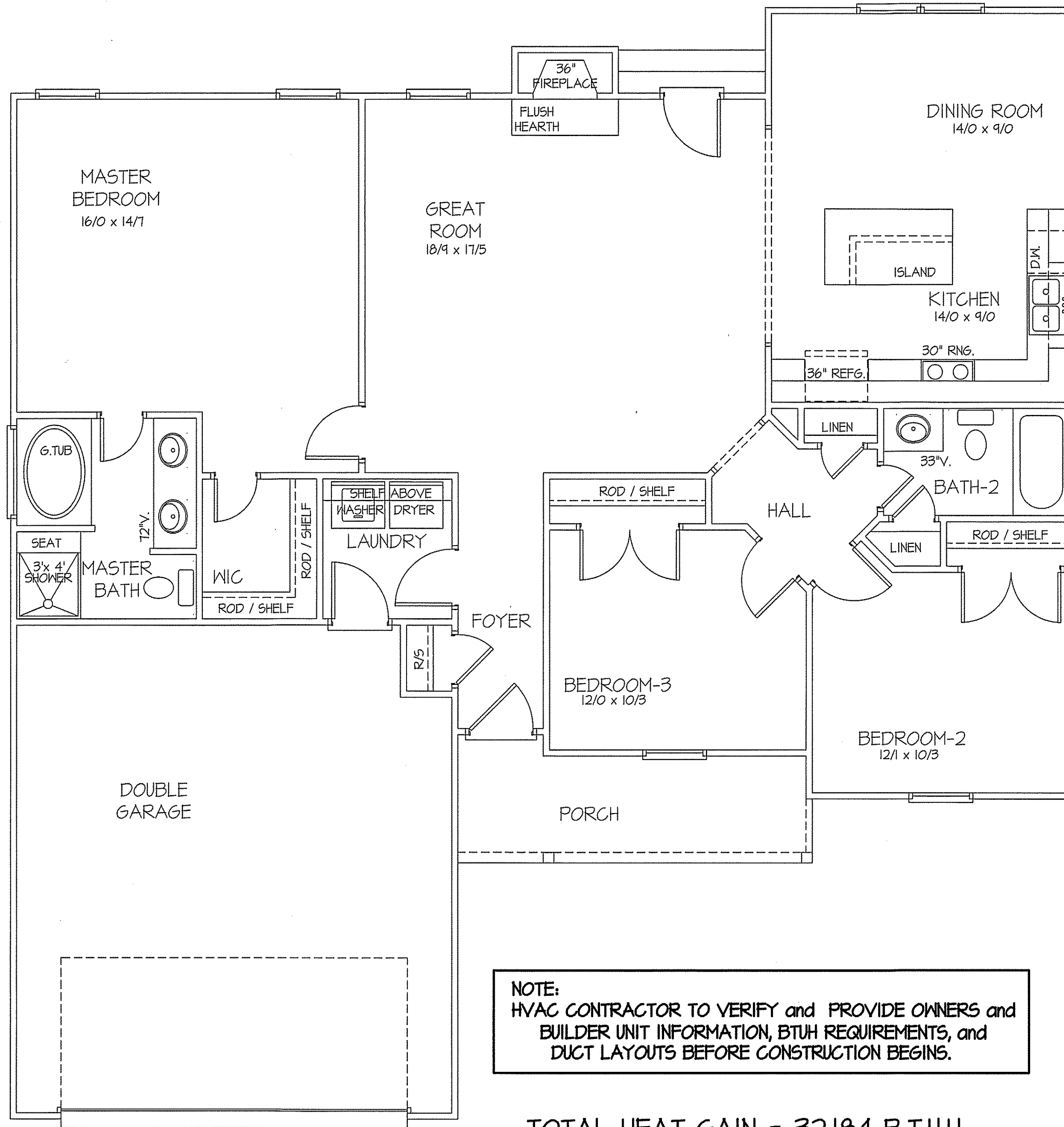
**FREEDOM FAMILY HOMES**  
 P.O. BOX 608  
 DUNN, N.C. - 28335  
 O: (910) 892-1231 FAX: (910) 892-5680  
 © 2019, FREEDOM FAMILY HOMES



PLAN:  
**EXCLUSIVE PLAN FOR  
 FREEDOM FAMILY HOMES**  
**HIGH POINT ~ LEFT**

SHEET NO.  
**4**

MAIN COMPUTER FILE: FFH - HIGH POINT - JULY-2019



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

TOTAL HEAT GAIN = 32,184 B.T.U.H.  
 TOTAL HEAT LOSS = 45,632 B.T.U.H.

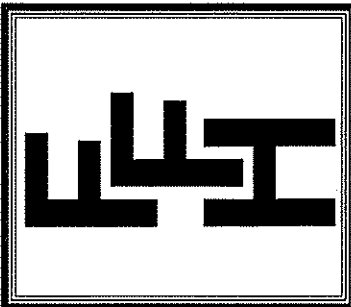
8' CEILINGS UNLESS OTHERWISE NOTED

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

FIRST FLOOR HEATED FRAME AREA = 1511 S.F.  
 PORCH AREA = 87 S.F.  
 DOUBLE GARAGE AREA = 476 S.F.

DATE:  
 JULY 24, 2019

**FREEDOM FAMILY HOMES**  
 P.O. BOX 608  
 DUNN, N.C. - 28335  
 O: (910) 892-1231 FAX: (910) 892-5680  
 ©2019, FREEDOM FAMILY HOMES



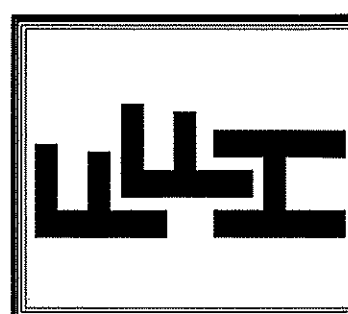
EXCLUSIVE PLAN FOR  
 FREEDOM FAMILY HOMES  
**HIGH POINT ~ LEFT**

SHEET NO.  
**5**

DATE:

JULY 24, 2019

**FREEDOM FAMILY HOMES**  
 P.O. BOX 608  
 DUNN, N.C. - 28335  
 O: (910) 892-1231 FAX: (910) 892-5680  
 ©2019, FREEDOM FAMILY HOMES

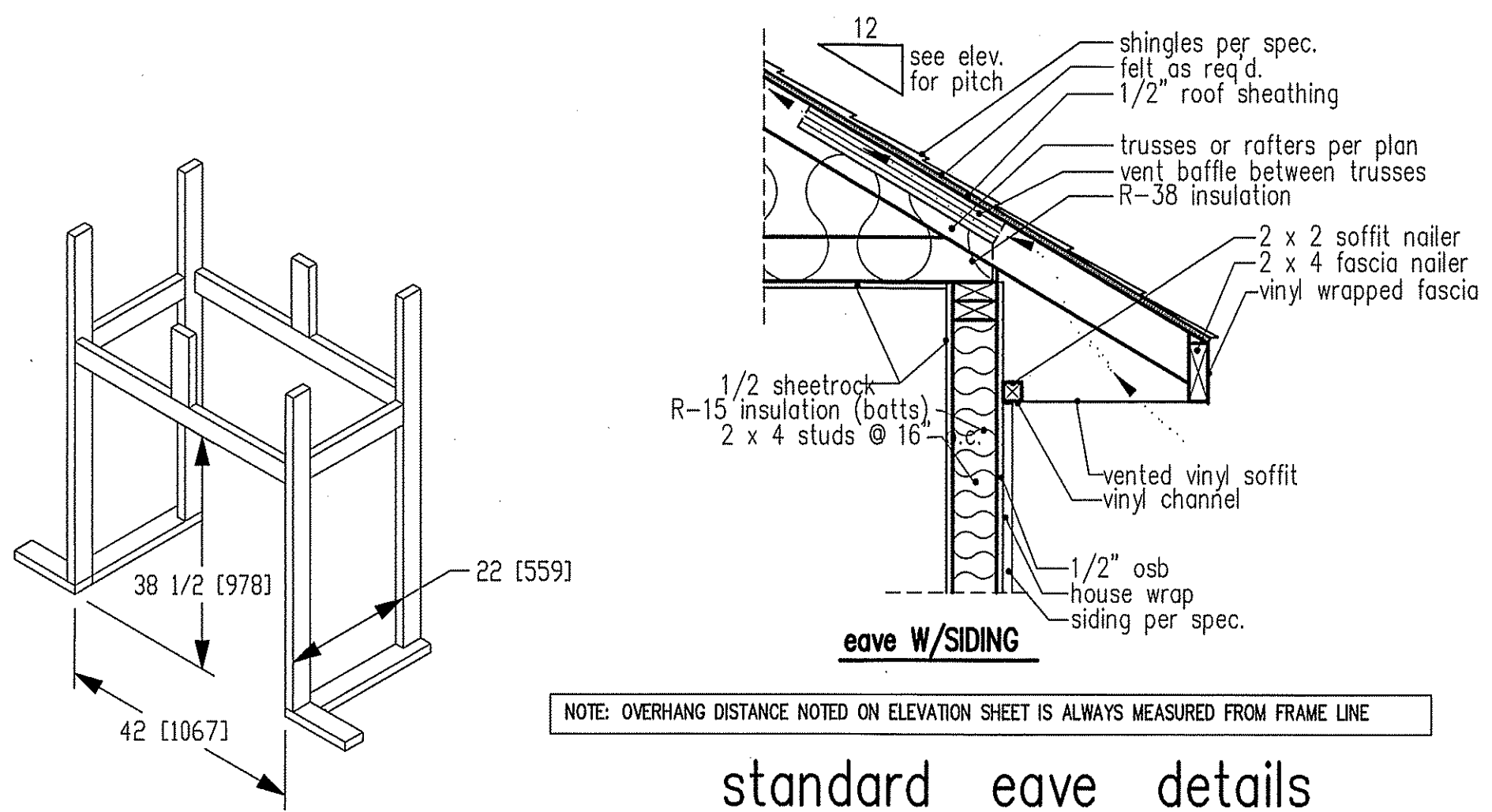


**EXCLUSIVE PLAN FOR  
 FREEDOM FAMILY HOMES  
 HIGH POINT**

PLAN:

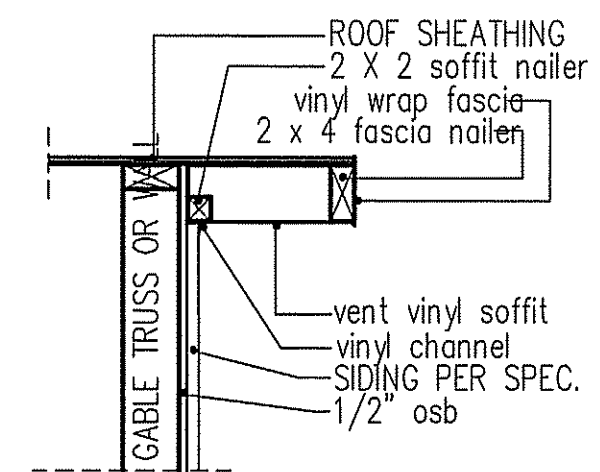
SHEET NO.

**6**



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

**standard eave details**



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(5)]	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

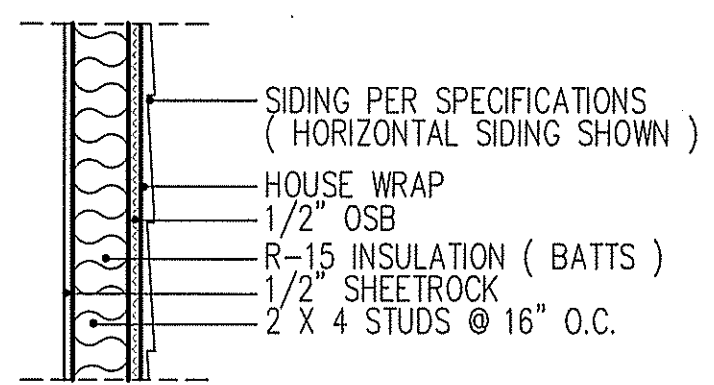
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.~R602.7 (1) AND INT.~R602.7 (2).

DIMENSIONS IN [ ] ARE MM

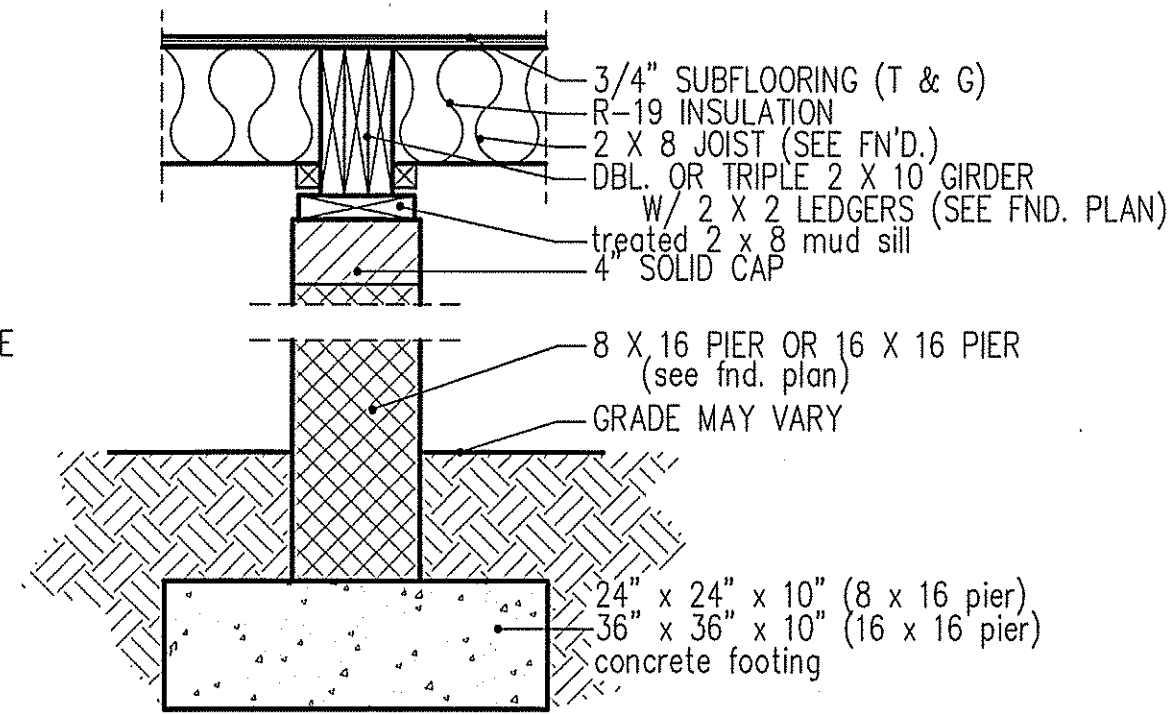
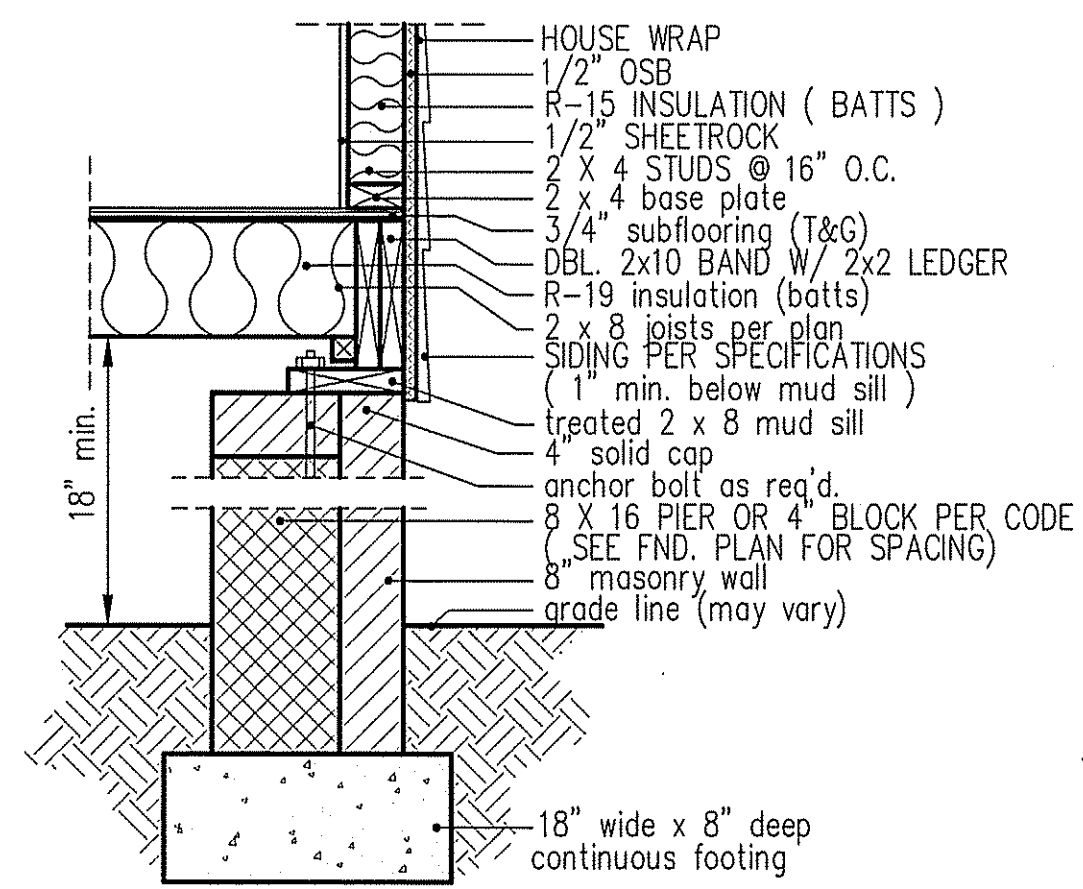
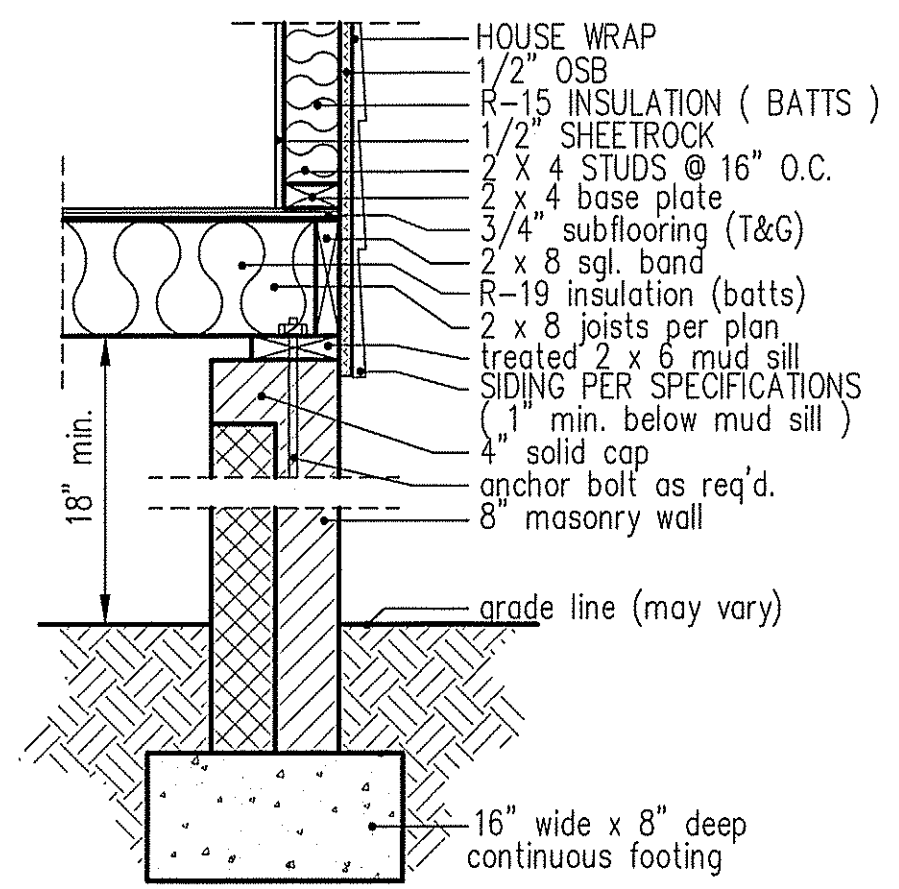
**SPECIFICATIONS**

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.



**intermediate wall details**



**PIER and GIRDER DETAIL**

MAIN COMPUTER FILE: FFH - HIGH POINT - JULY - 2019