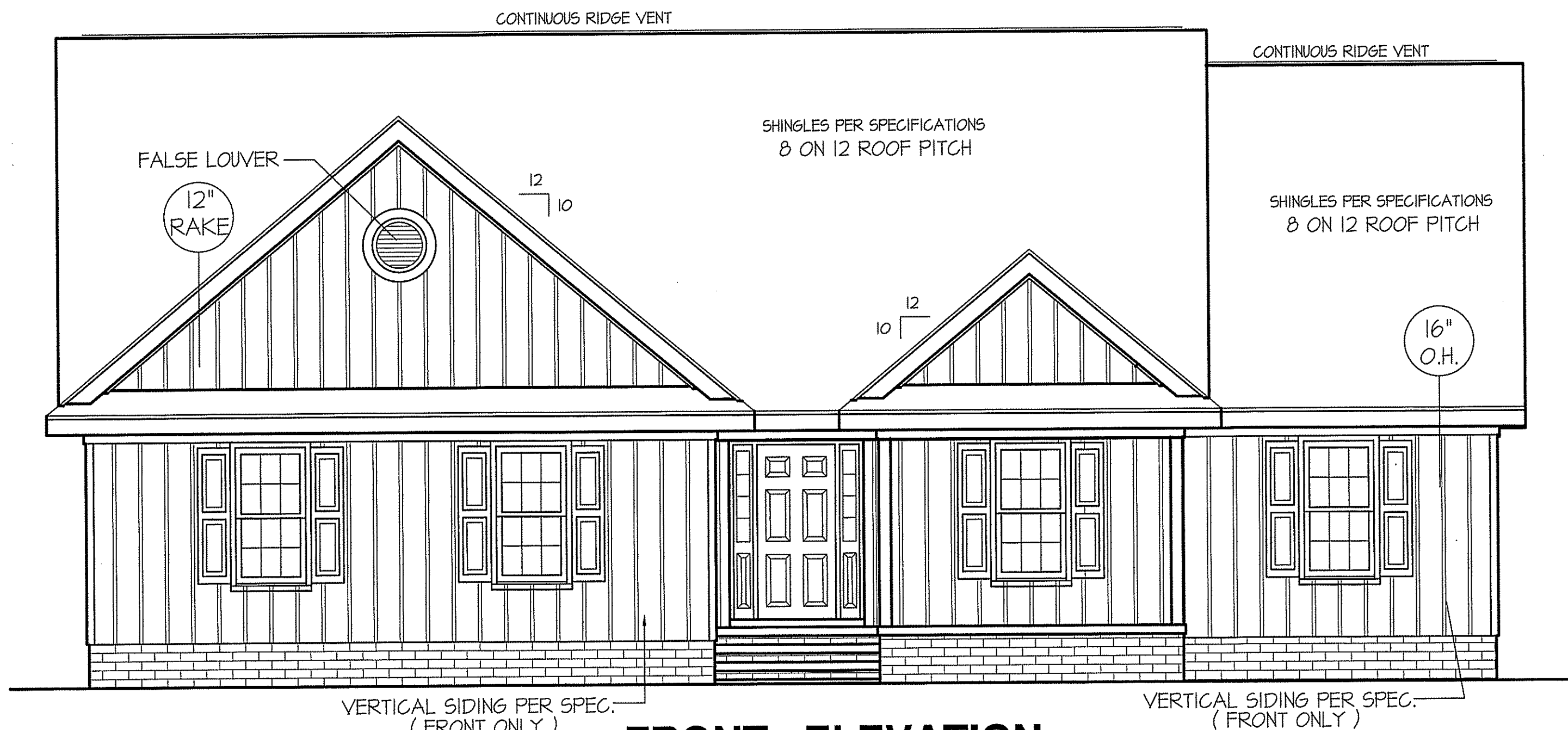


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

DATE:

MAY 21, 2020



**FRONT ELEVATION**

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

ROOF VENTILATION REQ'MTS.  
2510 ATTIC SQ. FT. / 300 = 8.37

PROVIDED ON PLAN  
97 L.F. RIDGE VENT = 18.19  
124 L.F. SOFFIT VENT = 7.75  
TOTAL = 25.94 S.F. FREE NET AREA

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

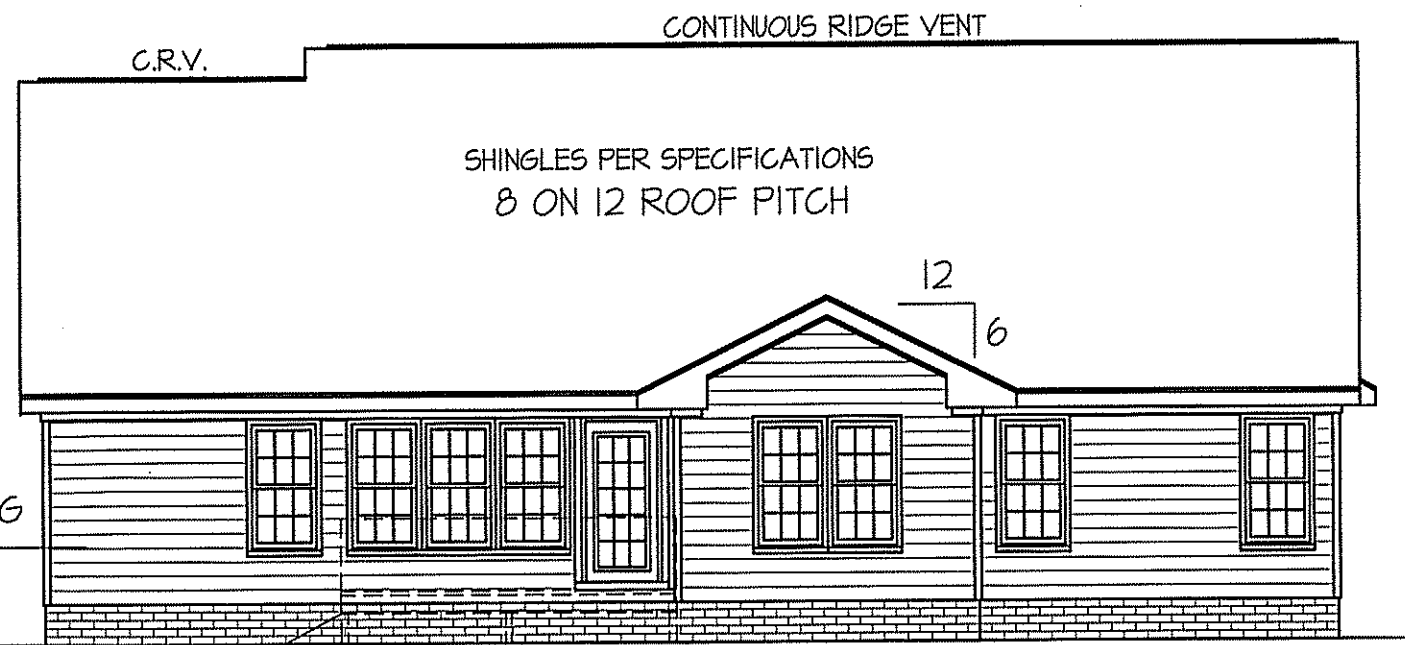
COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

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+25	R-15, 13+25
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

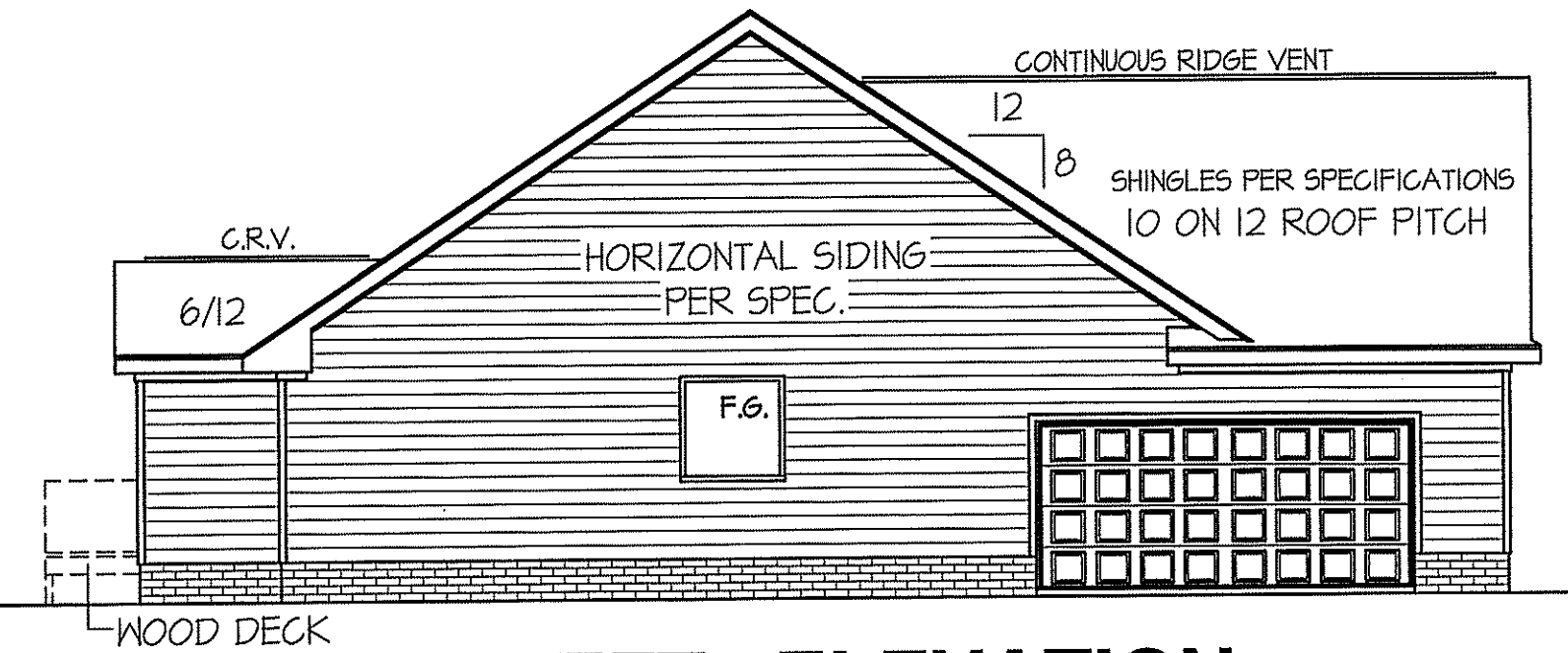
PROVIDE STEPS AS REQUIRED  
GRADE MAY VARY - BUILDER TO VERIFY

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



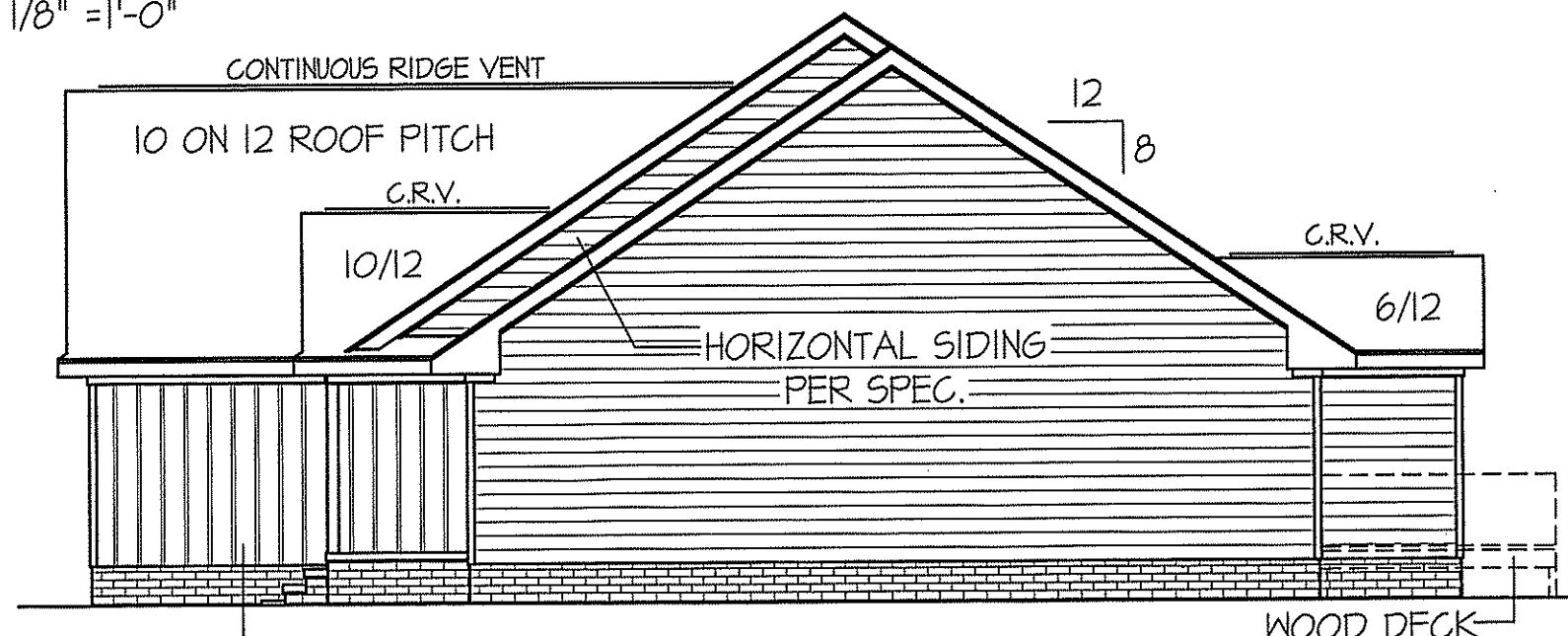
**REAR ELEVATION**

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



**LEFT ELEVATION**

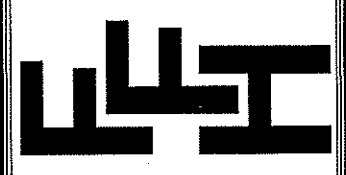
SCALE: 1/8" = 1'-0"



**RIGHT ELEVATION**

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

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EXCLUSIVE PLAN FOR  
**FREEDOM FAMILY HOMES**  
**WILSON~PERO**

PLAN:

SHEET NO.

**1**

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

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

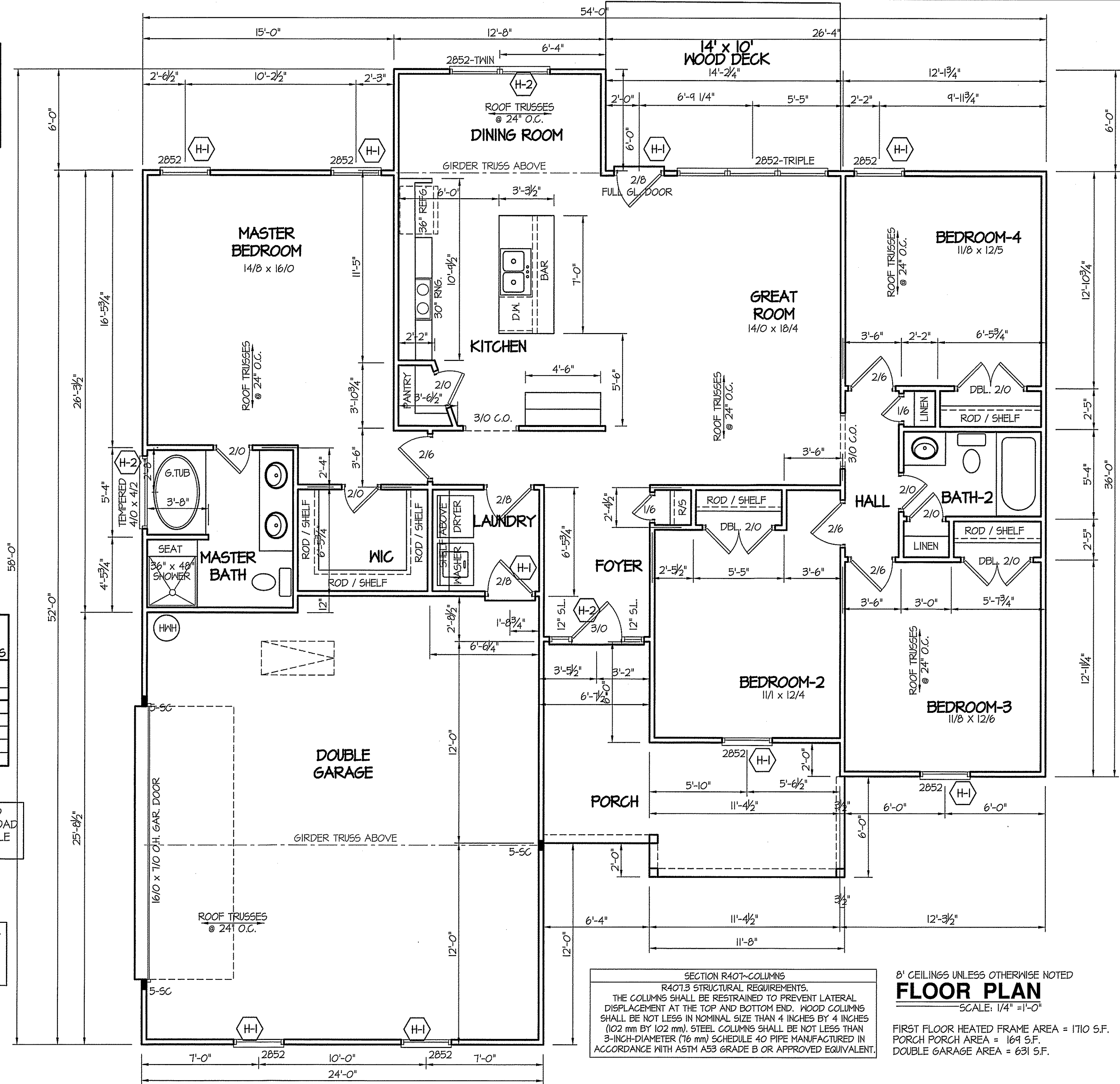
ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-WSP (1/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

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

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)]	
< 3'	16	24
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).

GARAGE DOOR WALL TO BE PORTAL FRAME CONSTRUCTION, COMPLYING SECTION R602.10.1 AND FIGURE-R602.10.1 METHOD PFG



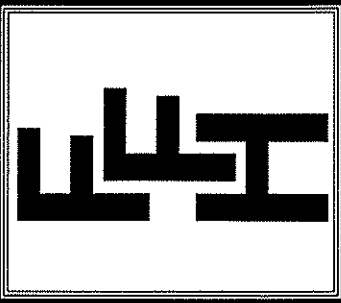
SECTION R407-COLUMNS  
R407.3 STRUCTURAL REQUIREMENTS.  
THE COLUMNS SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE TOP AND BOTTOM END. WOOD COLUMNS SHALL BE NOT LESS IN NOMINAL SIZE THAN 4 INCHES BY 4 INCHES (102 mm BY 102 mm). STEEL COLUMNS SHALL BE NOT LESS THAN 3-INCH-DIAMETER (76 mm)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

8' CEILINGS UNLESS OTHERWISE NOTED  
**FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

FIRST FLOOR HEATED FRAME AREA = 1710 S.F.  
PORCH PORCH AREA = 169 S.F.  
DOUBLE GARAGE AREA = 631 S.F.

DATE:  
MAY 21, 2020

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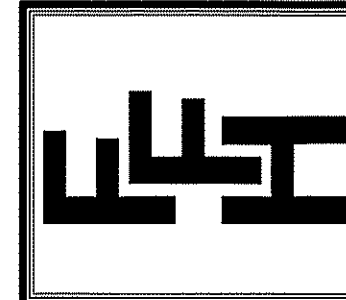


EXCLUSIVE PLAN FOR  
**FREEDOM FAMILY HOMES**  
**WILSON~PERO**

SHEET NO.  
**2**

DATE:  
MAY 21, 2020

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**WILSON PERD**

PLAN:

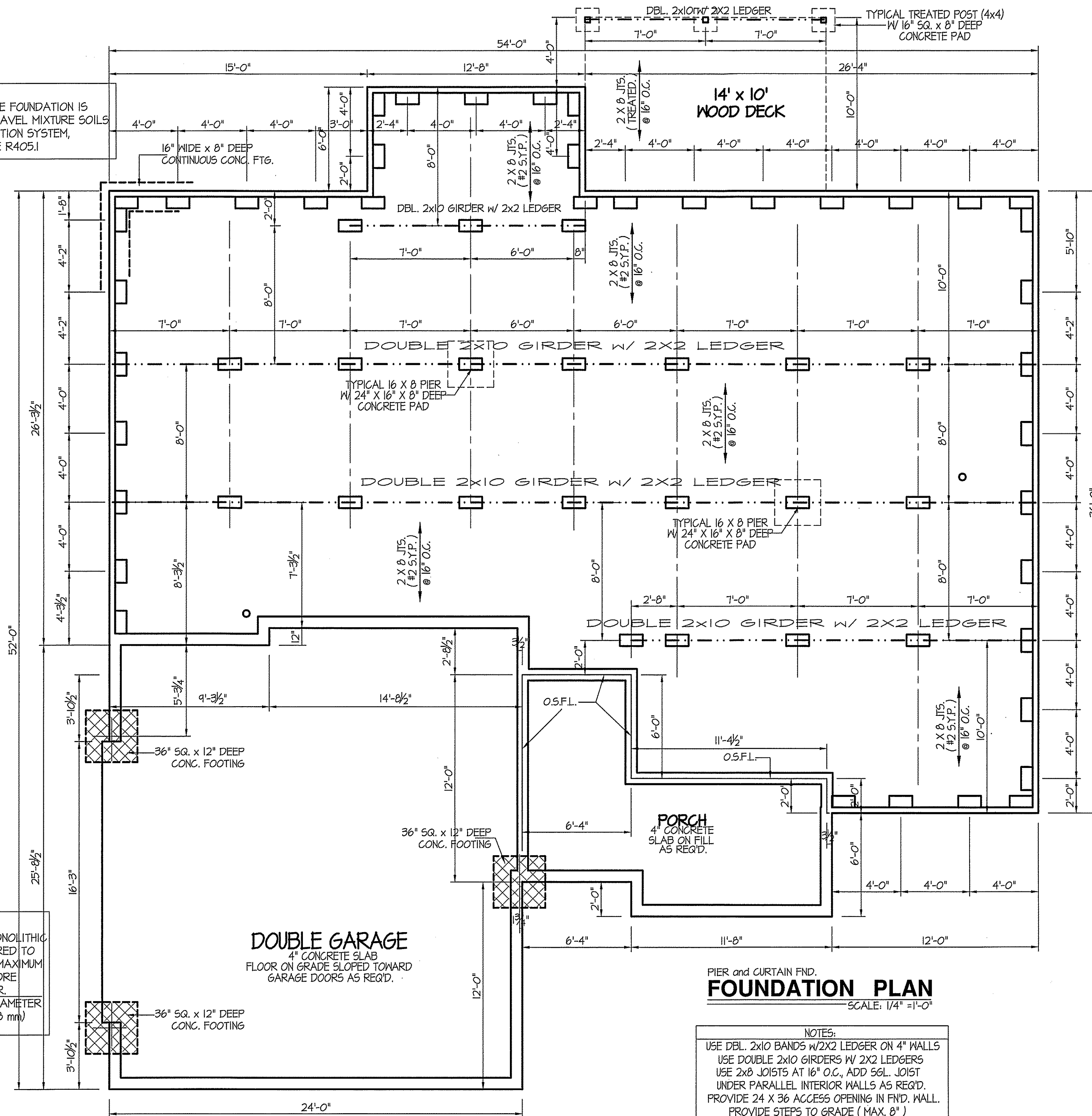
SHEET NO.

**3**

**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 I SOILS, AS DETAILED IN TABLE R405.1

**FOUNDATION VENTILATION INFORMATION**  
(MIN. NET AREA OF VENT. REQ'D. = 1/150)  
1710 S.F. (CRAWL) x .96 = 1641.6 S.I.  
USE 26" WITTEN AUTO. VENT" FND. VENTS @ 65 S.I. FREE NET AREA or EQUIVALENT.  
(MIN. NET AREA CAN BE REDUCED TO 1/1500)  
1710 S.F. (CRAWL) x .096 = 164.16 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.

**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 7 INCHES (178 mm) INTO MASONRY OR CONCRETE.

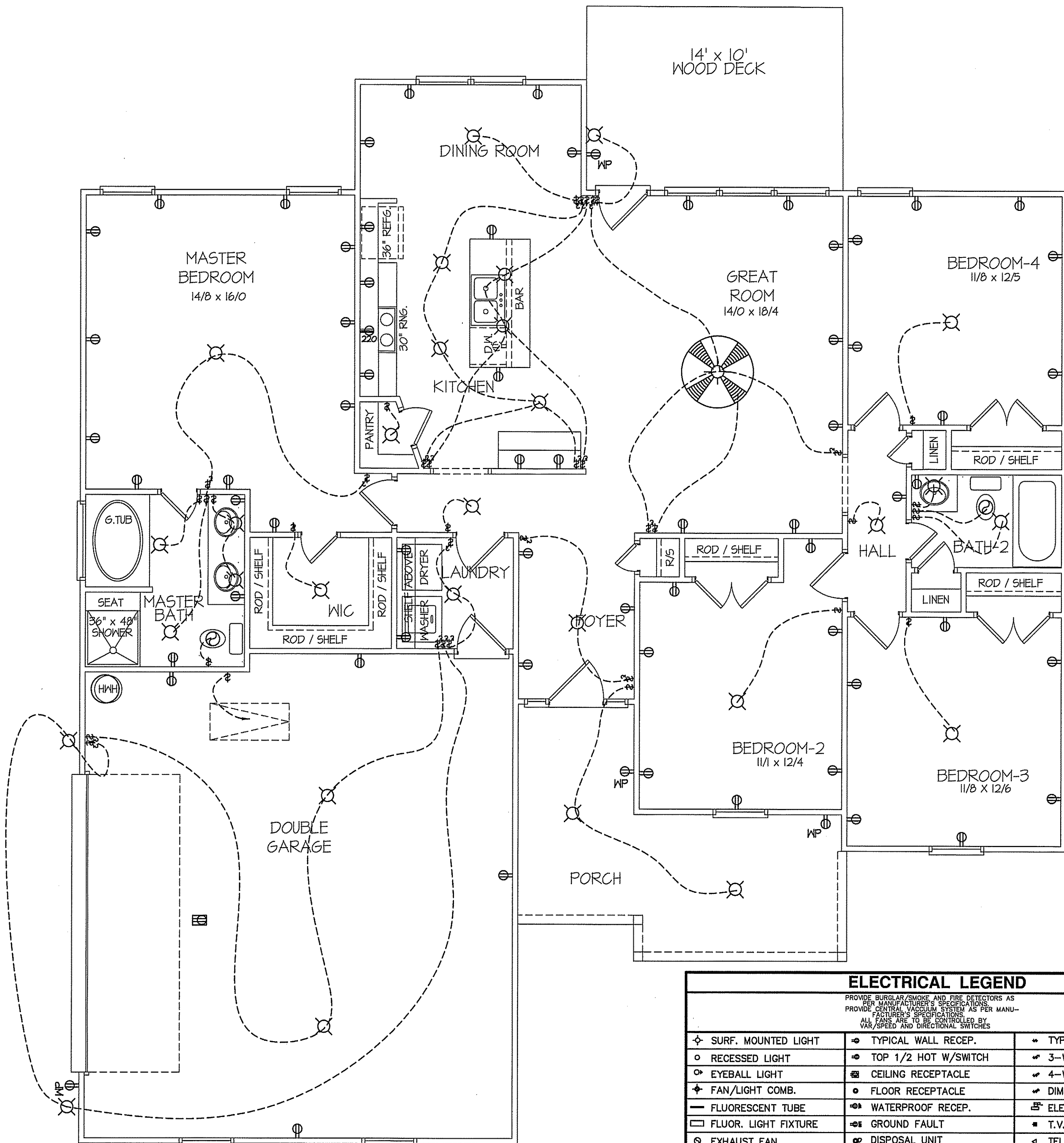


PIER and CURTAIN FND.  
**FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"

**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 FND. WALL.  
PROVIDE STEPS TO GRADE (MAX. 8")

MAIN COMPUTER FILE: FFH - WILSON - DEC - 2014





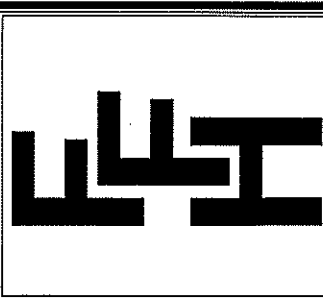
8' CL.G. UNLESS OTHERWISE NOTE  
**ELECTRICAL FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"

FIRST FLOOR HEATED FRAME AREA = 1710 S.F.  
 PORCH AREA = 169 S.F.  
 DOUBLE GARAGE AREA = 631 S.F.

ELECTRICAL LEGEND		
<small>PROVIDE BURGLAR/SMOKE AND FIRE DETECTORS AS PER MANUFACTURER'S SPECIFICATIONS.                      PROVIDE CENTRAL VACUUM SYSTEM AS PER MANUFACTURER'S SPECIFICATIONS.                      FANS ARE TO BE CONTROLLED BY AIR ZONE 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		

DATE:  
 MAY 21, 2020

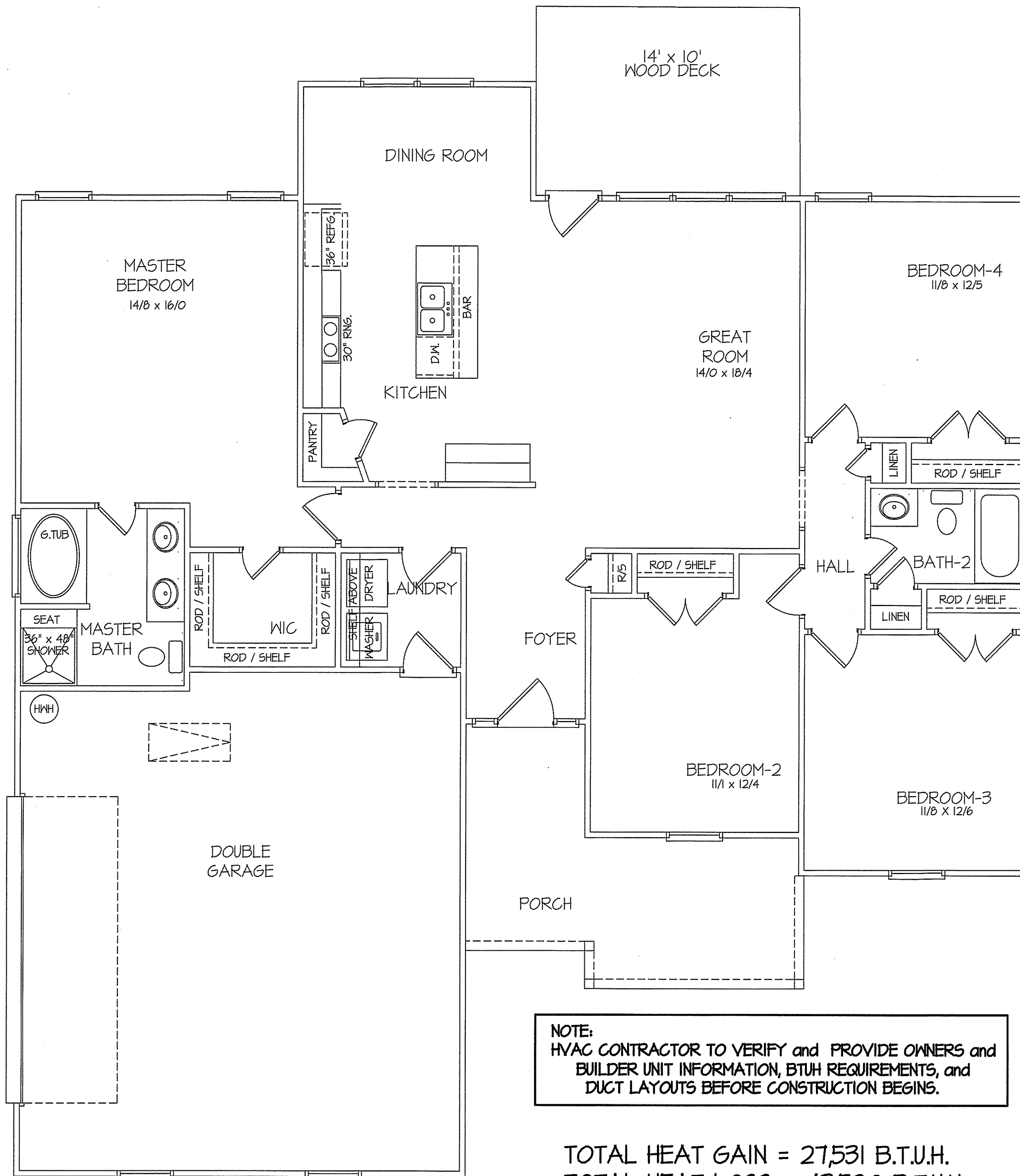
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PLAN:  
 SHEET NO.  
**4**

MAIN COMPUTER FILE: FFH - WILSON - DEC - 2019



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

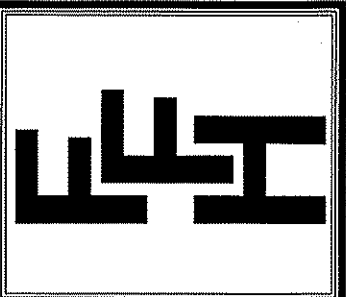
TOTAL HEAT GAIN = 27,531 B.T.U.H.  
 TOTAL HEAT LOSS = 43,520 B.T.U.H.

8' CEILINGS UNLESS OTHERWISE NOTED  
**HVAC**  
**FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"

FIRST FLOOR HEATED FRAME AREA = 1710 S.F.  
 PORCH AREA = 169 S.F.  
 DOUBLE GARAGE AREA = 631 S.F.

DATE:  
 MAY 21, 2020

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SHEET NO.  
**5**