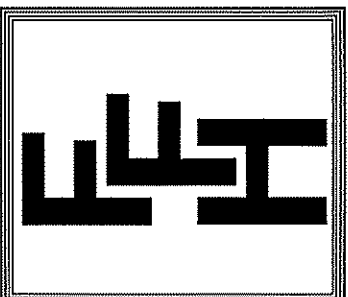


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

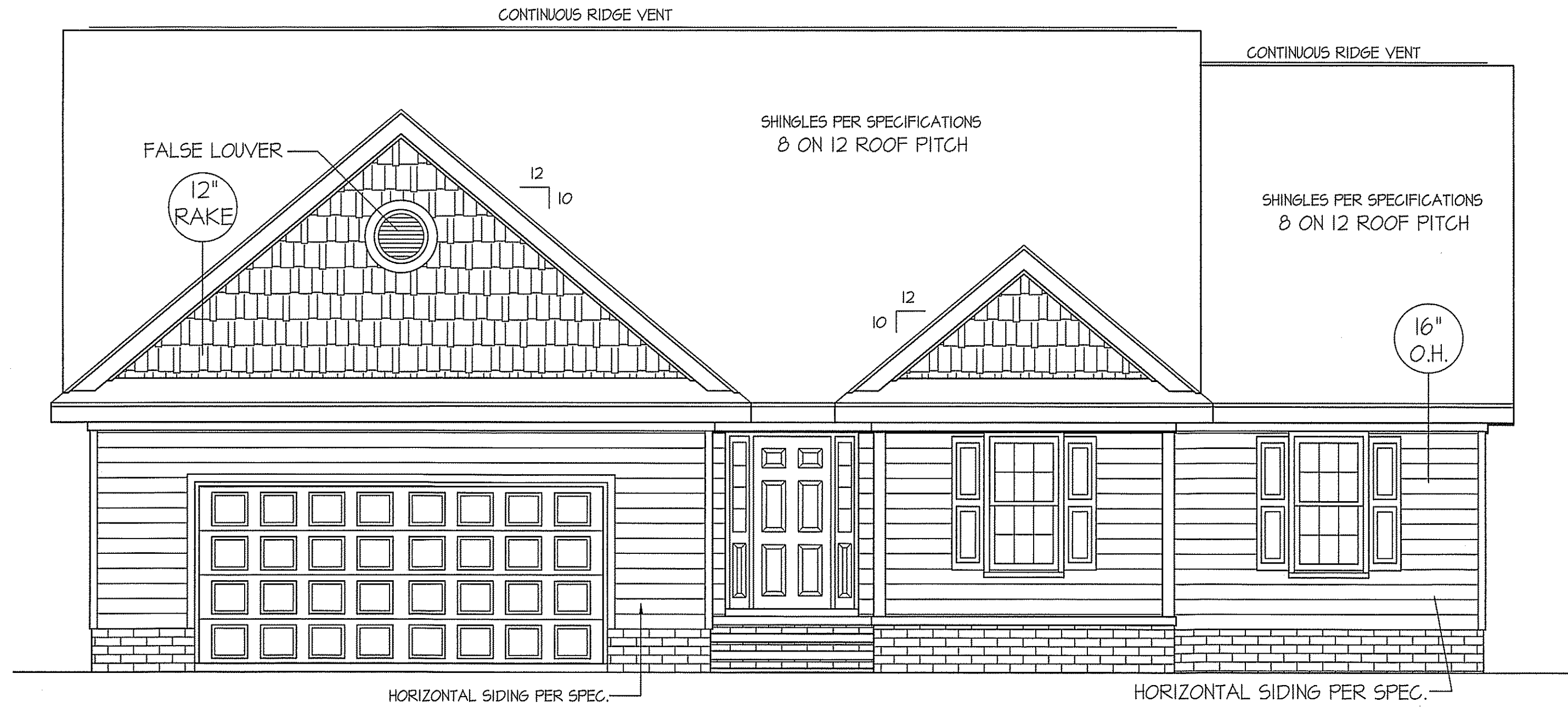
DATE:
OCT. 18, 2019

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EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
WILSON~LEFT

SHEET NO.
1



FRONT ELEVATION

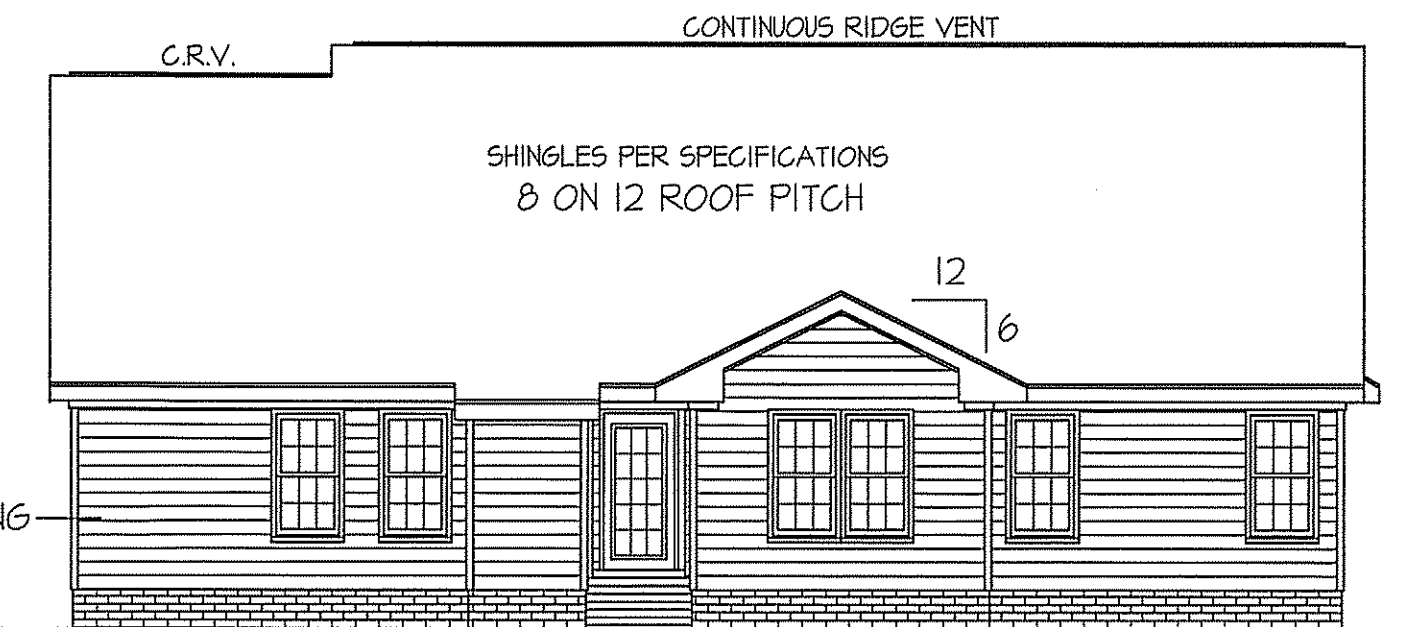
SCALE: 1/4" = 1'-0"

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



REAR ELEVATION

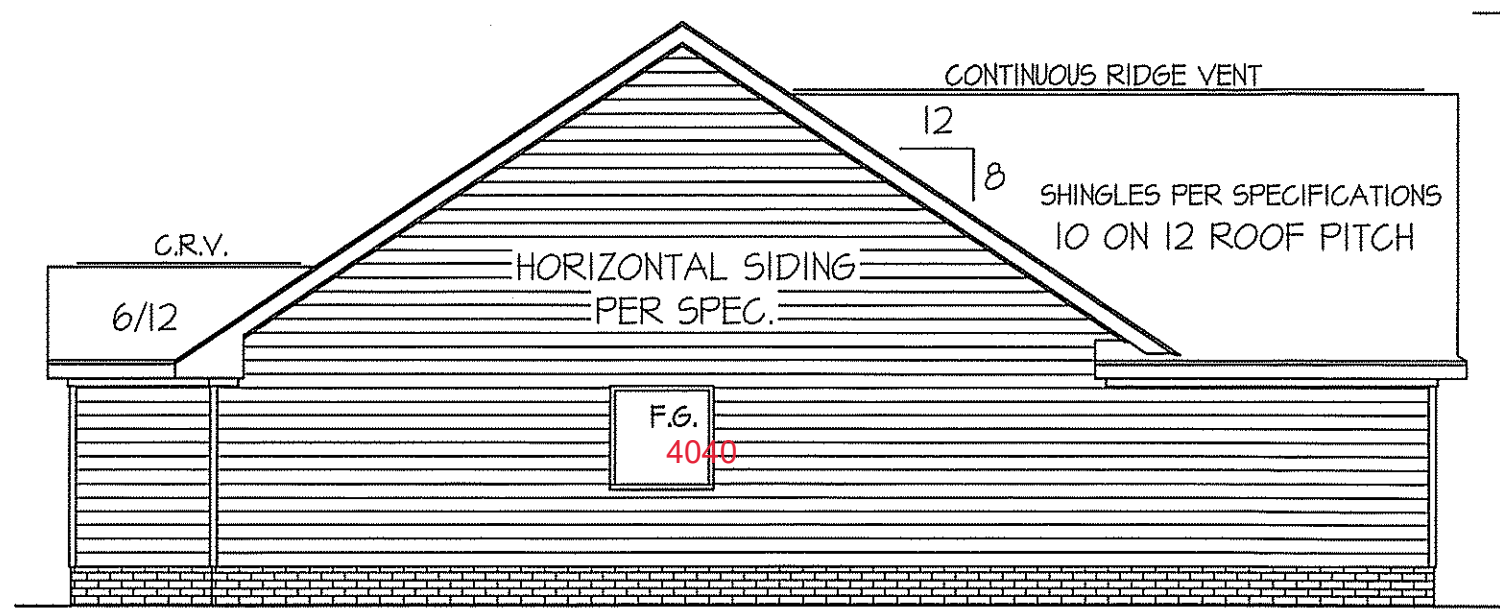
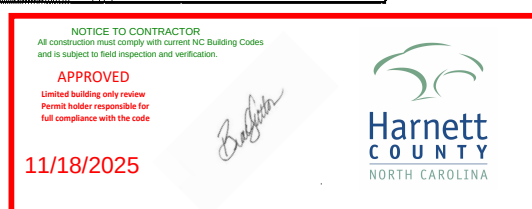
SCALE: 1/8" = 1'-0"

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

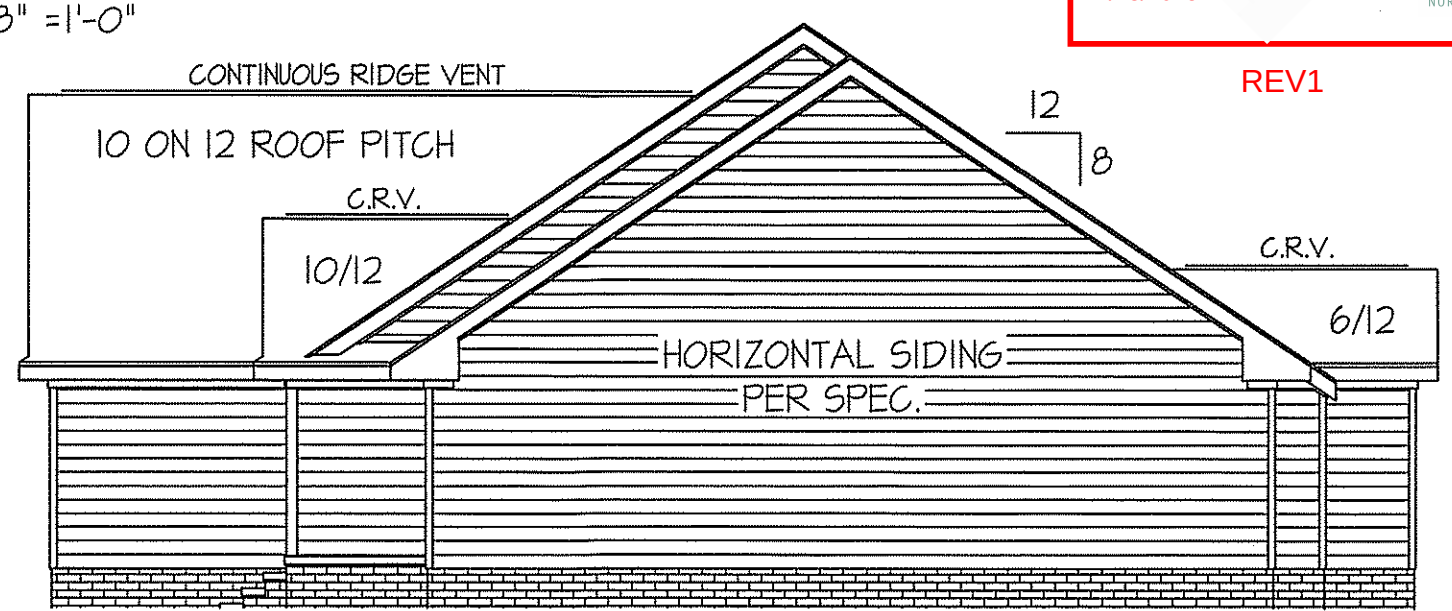
PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY

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



LEFT ELEVATION

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



RIGHT ELEVATION

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

MAIN COMPUTER FILE: FFH - WILSON - DEC. - 2019

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 4.25 LVL	3

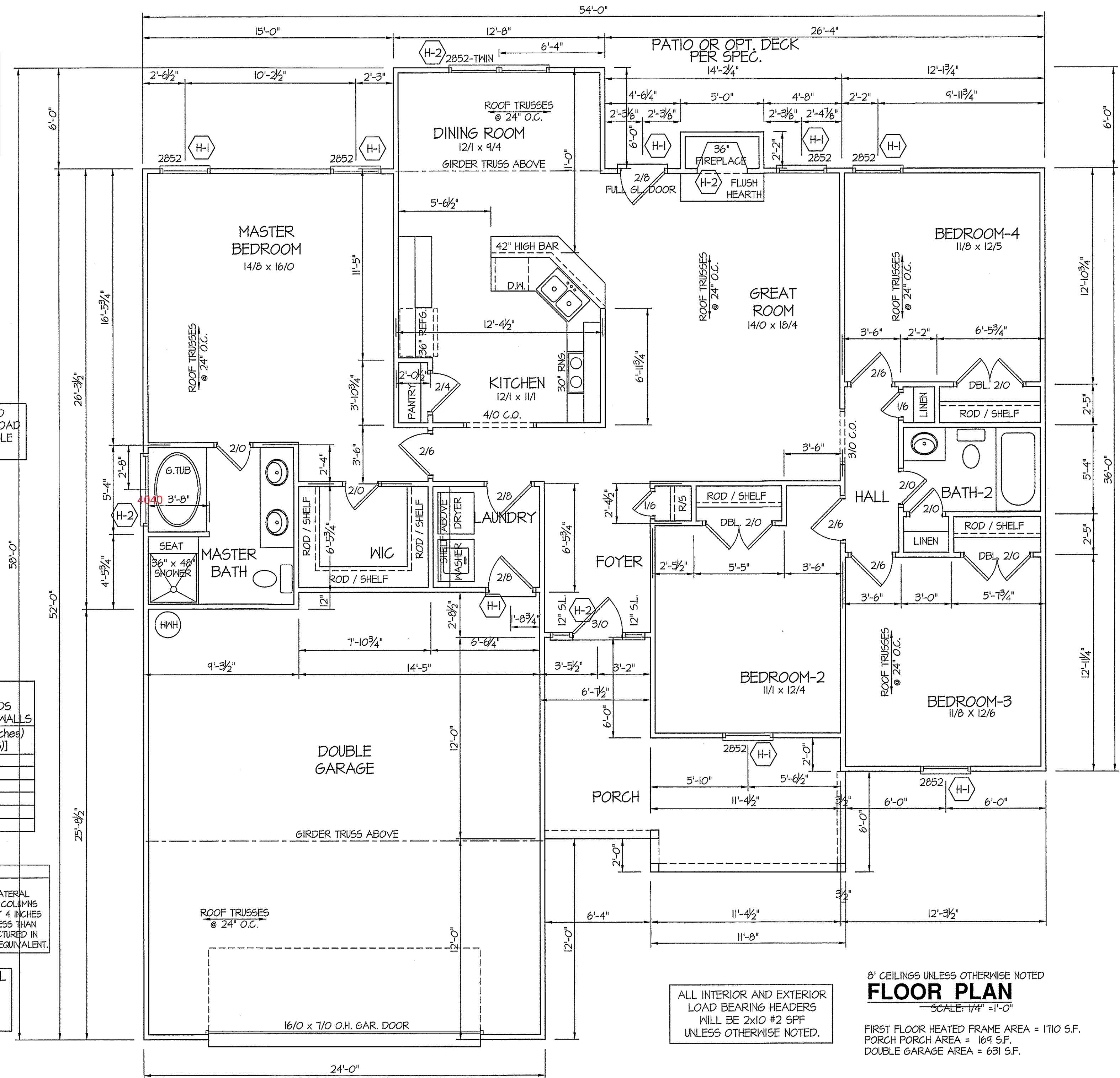
ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-WSP (1/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

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).

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

SECTION R401~COLUMNS
R401.3 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.

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



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:

OCT. 18, 2019

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EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
WILSON~LEFT

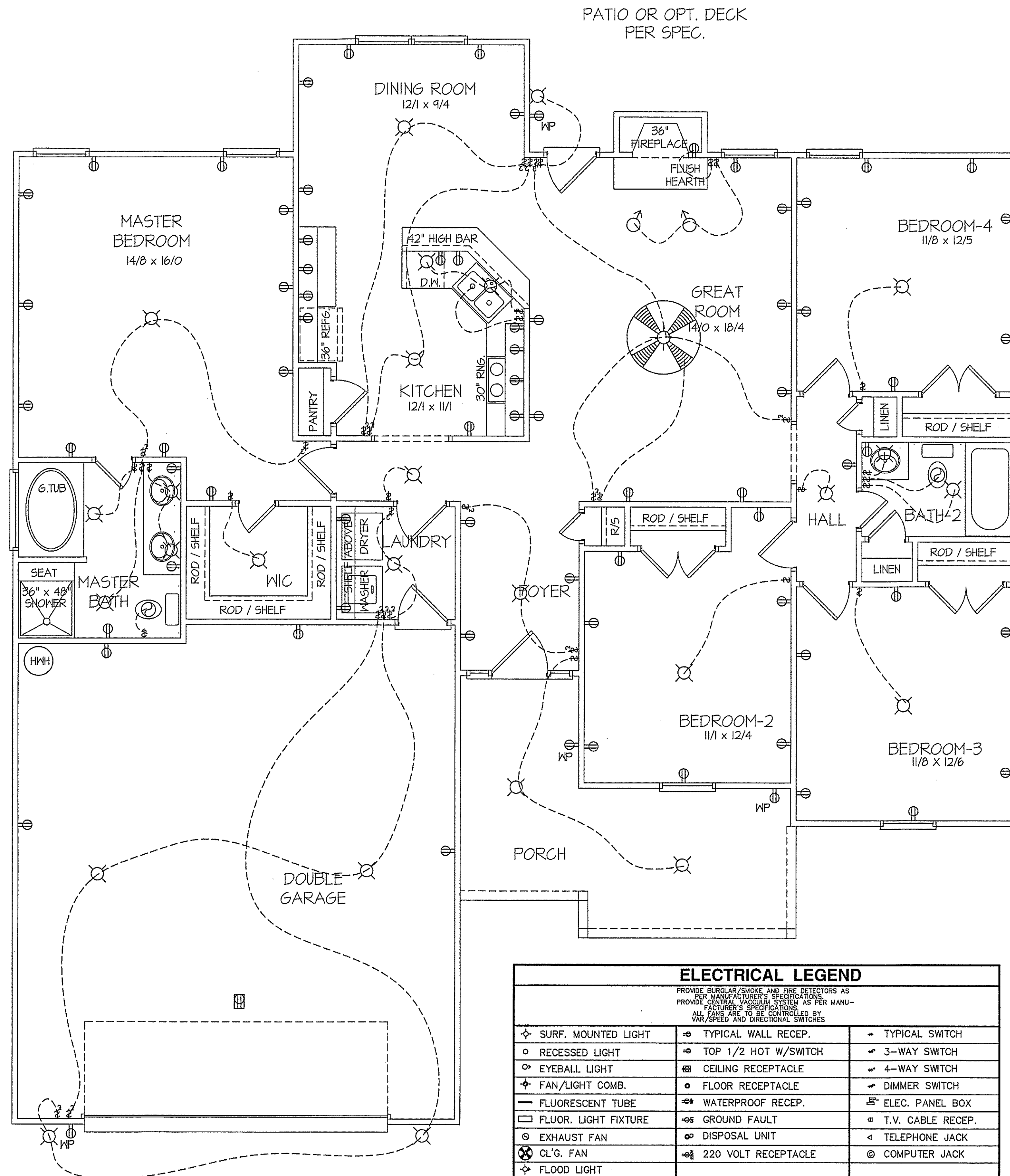
PLAN:

SHEET NO.

2

3

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 5/8" JOIST
UNDER PARALLEL INTERIOR WALLS AS REQ'D.
PROVIDE 24 X 36 ACCESS OPENING IN FND. WALL.
PROVIDE STEPS TO GRADE (MAX. 8')



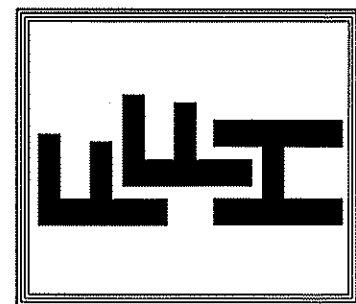
ELECTRICAL LEGEND		
PROVIDE BURGLAR/SMOKE AND FIRE DETECTORS AS PER MANUFACTURER'S SPECIFICATIONS. PROVIDE CENTRAL VACUUM SYSTEM AS PER MANUFACTURER'S SPECIFICATIONS. ALL FANS ARE TO BE CONTROLLED BY VAR/SPEED AND DIRECTIONAL SWITCHES		
⬢ SURF. MOUNTED LIGHT	⬢ TYPICAL WALL RECEP.	⬢ TYPICAL SWITCH
○ RECESSED 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		

8' CLG. UNLESS OTHERWISE NOTE
**ELECTRICAL
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:
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PLAN:
**EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
WILSON ~ LEFT**

SHEET NO.
4

DATE:

OCT. 18, 2019

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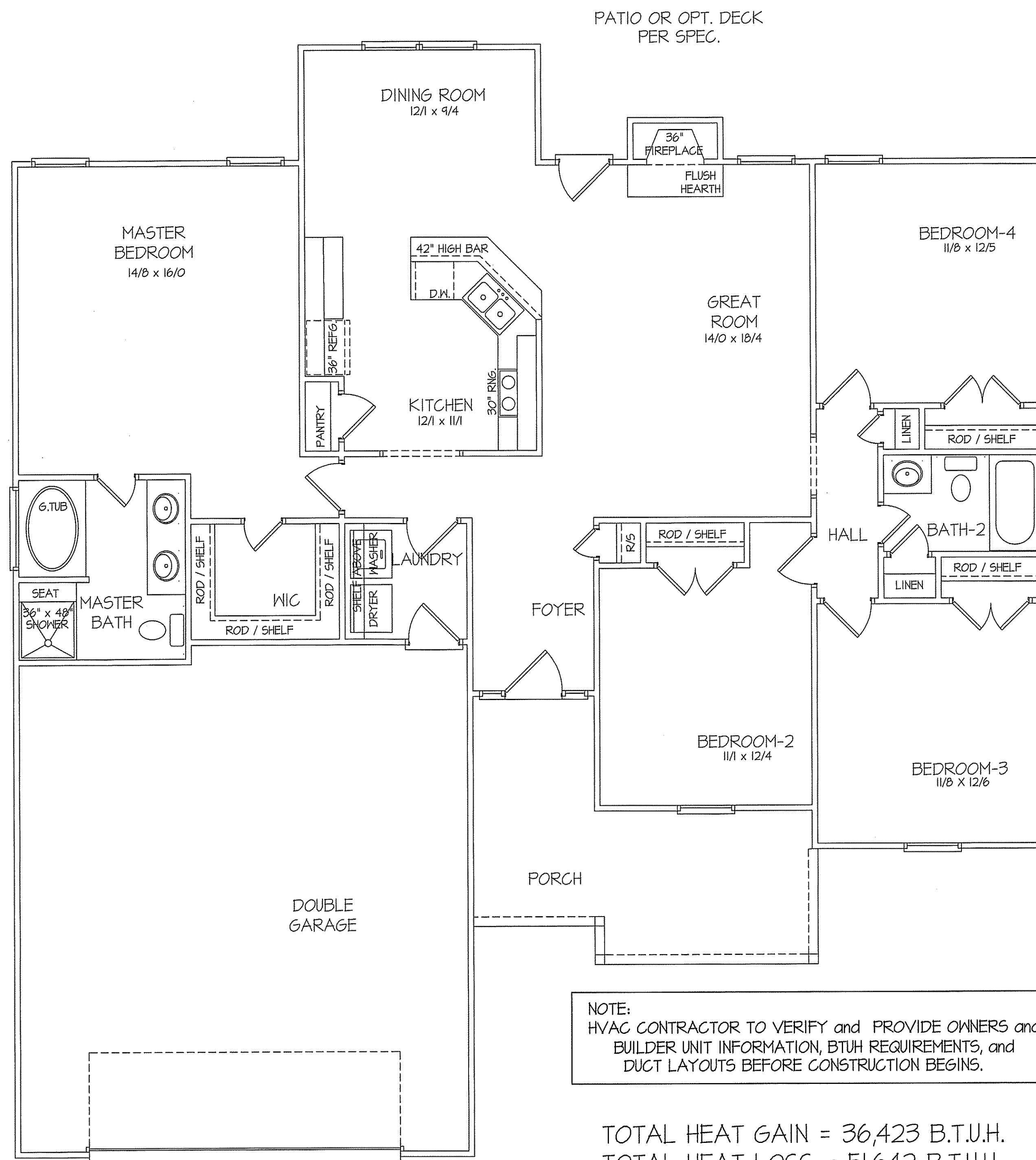


**EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
WILSON~LEFT**

PLAN:

SHEET NO.

5

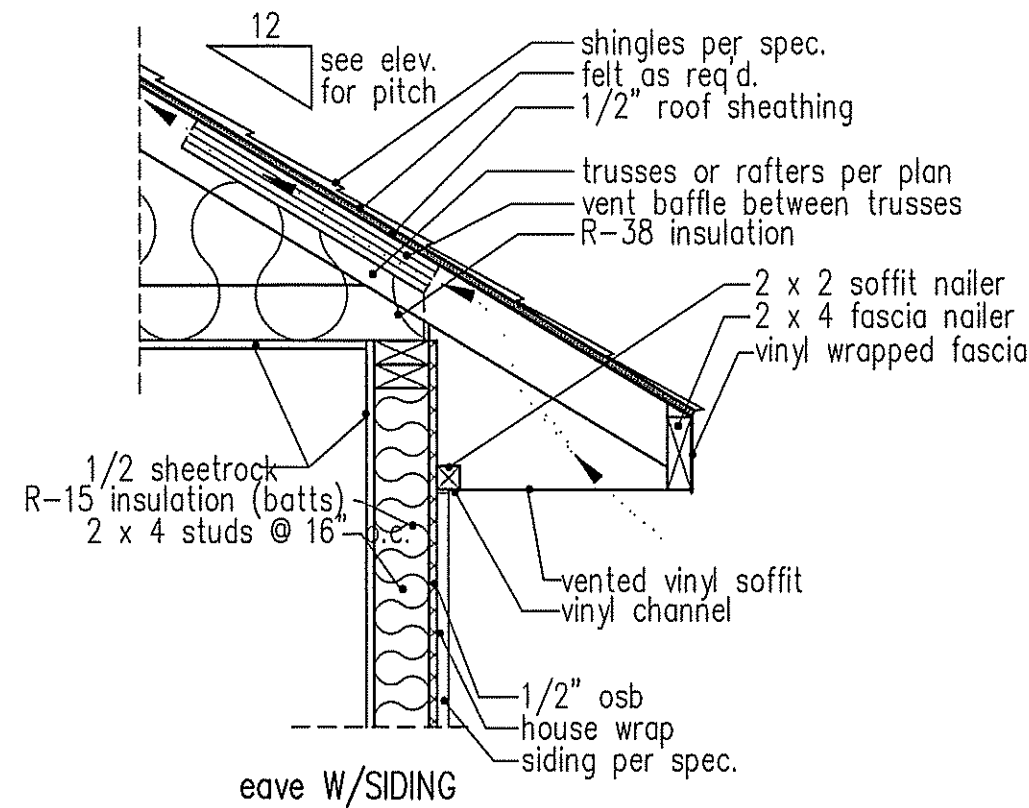
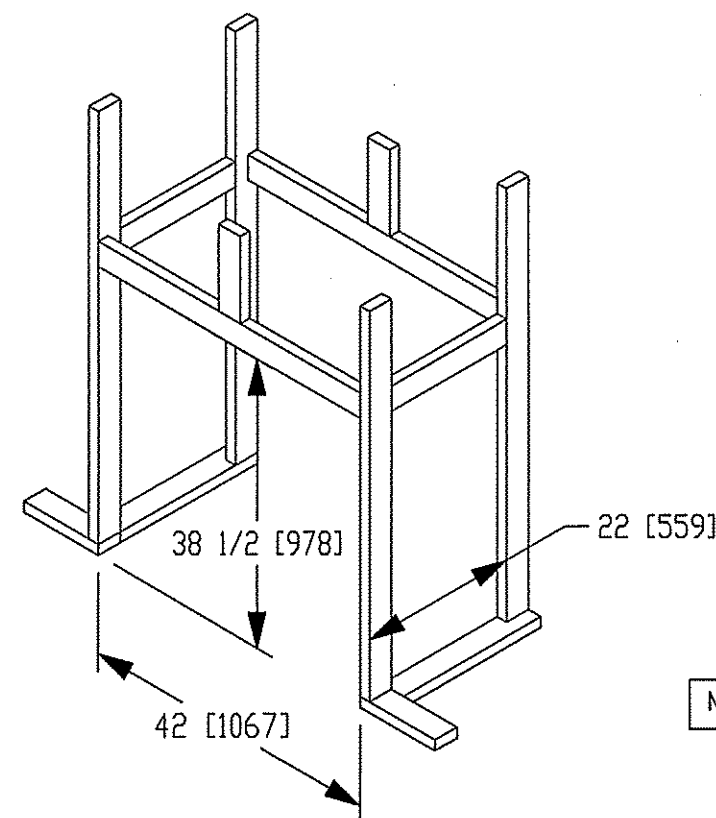


8' CEILINGS UNLESS OTHERWISE NOTED

HVAC 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.



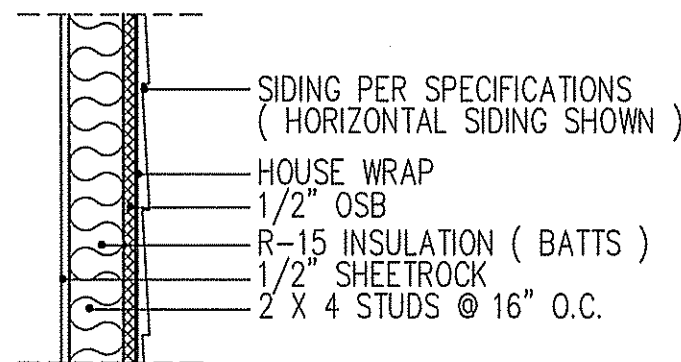
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

standard eave details

DIMENSIONS IN [] ARE MM

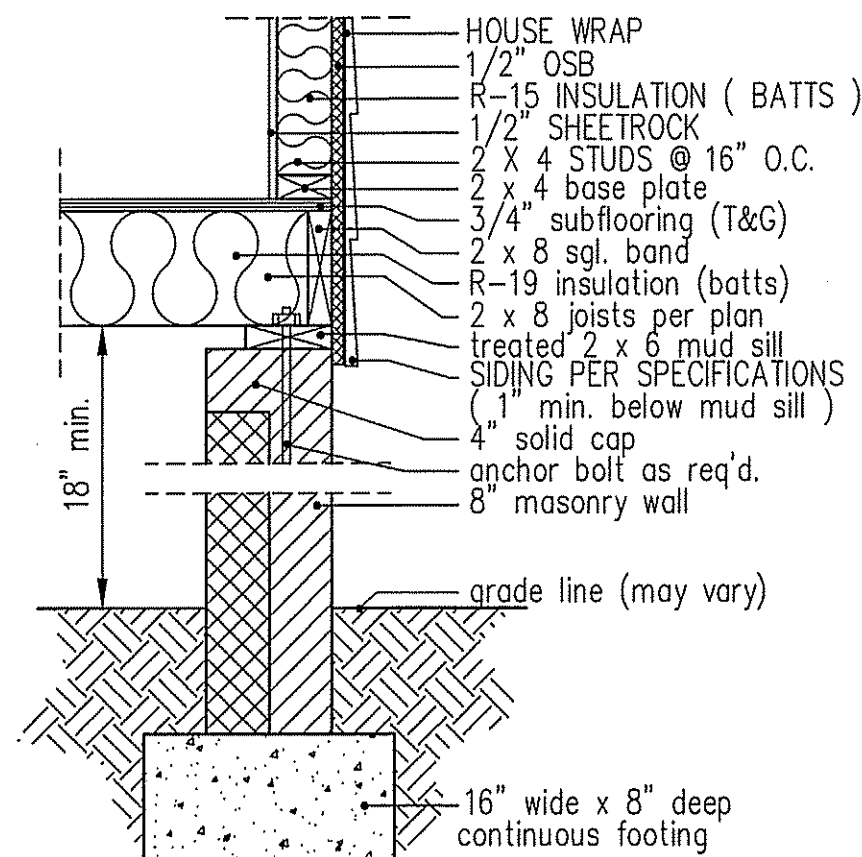
SPECIFICATIONS										
Model 6000-TR	Height		Front Width		Back Width		Depth		Glass Size	BTU Input
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing		
Inches	38	38-1/2	41	42	28-1/2	42	21-1/2	22		

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

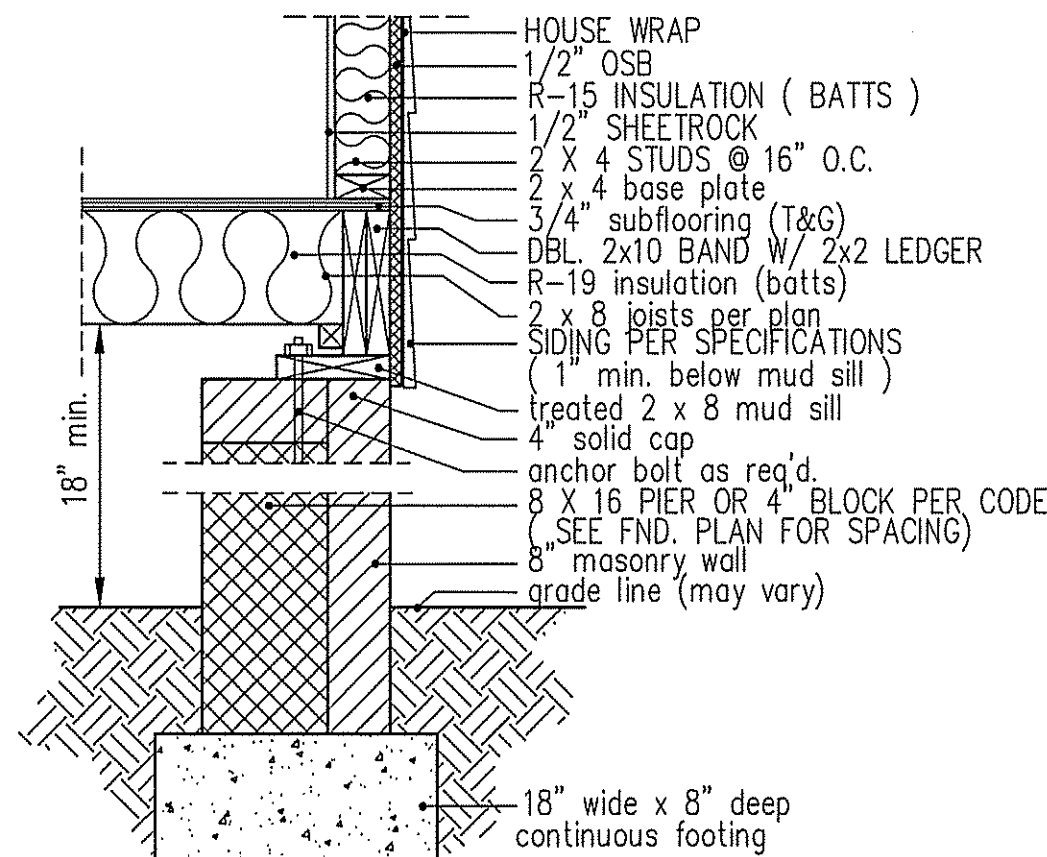


WALL W/siding

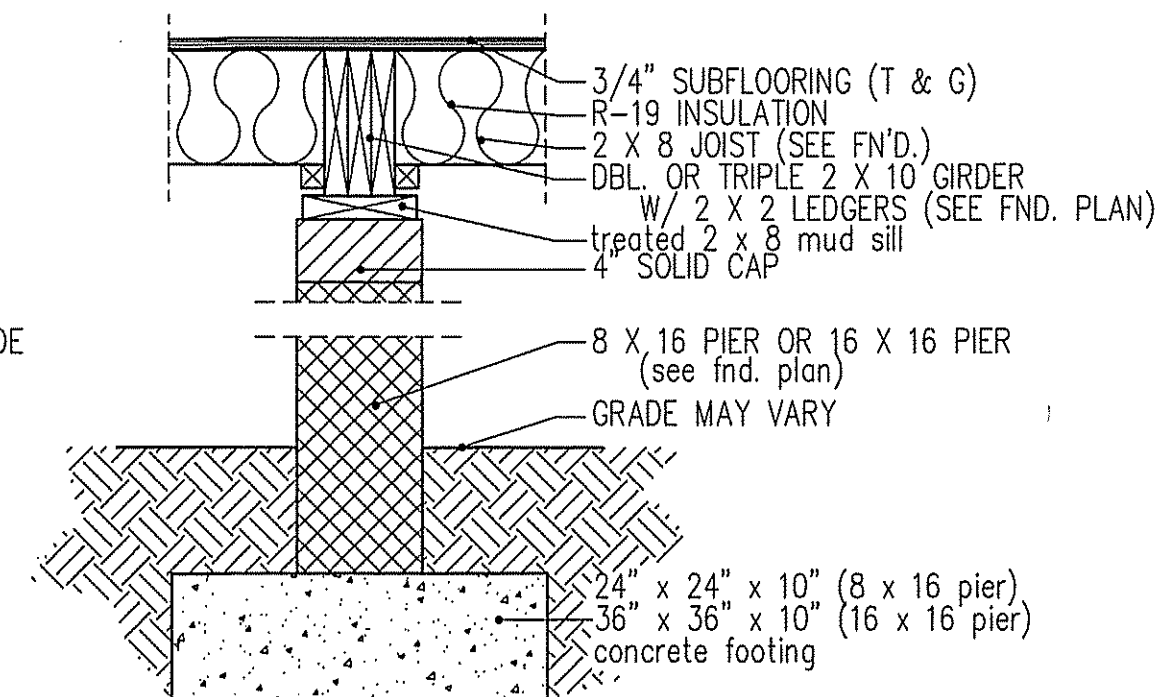
intermediate wall details



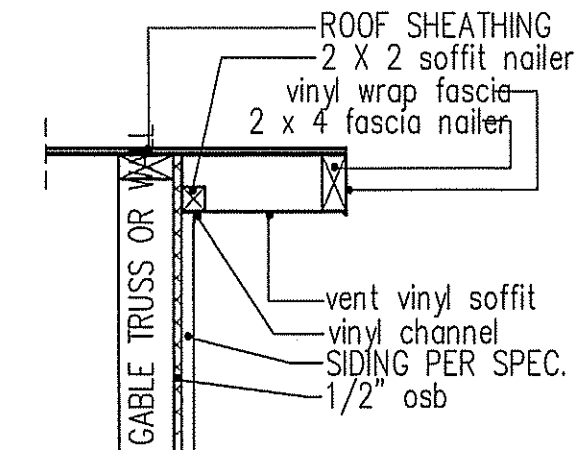
8" BOX SILL FOUNDATION WALL



PIER and CURTAIN FOUNDATION WALL



PIER and GIRDER DETAIL



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(5)]	
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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).

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**EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
WILSON**

PLAN:

SHEET NO.

6

FREEDOM CONSTRUCTORS
WILSON - RH
#28939
Lot 26 Legacy

