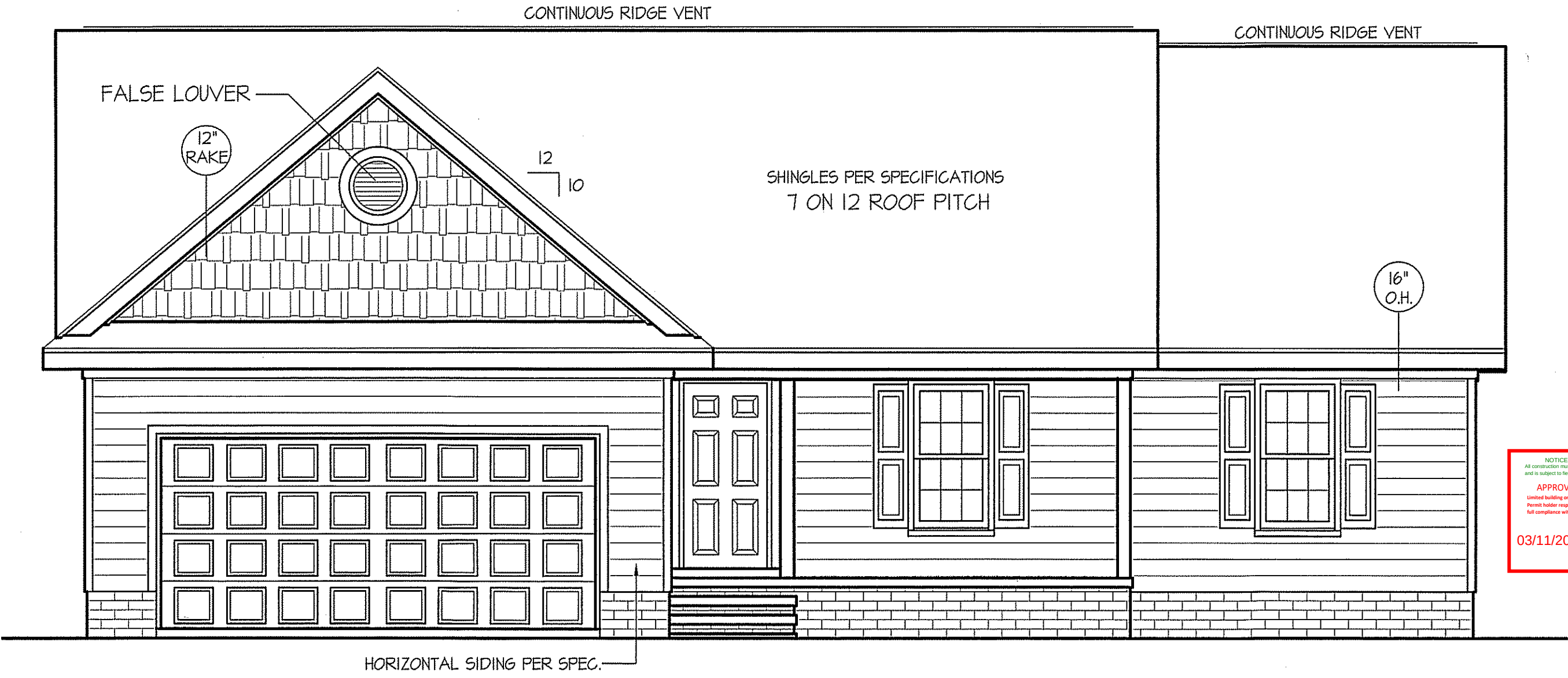


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

DATE:
JULY 24, 2019

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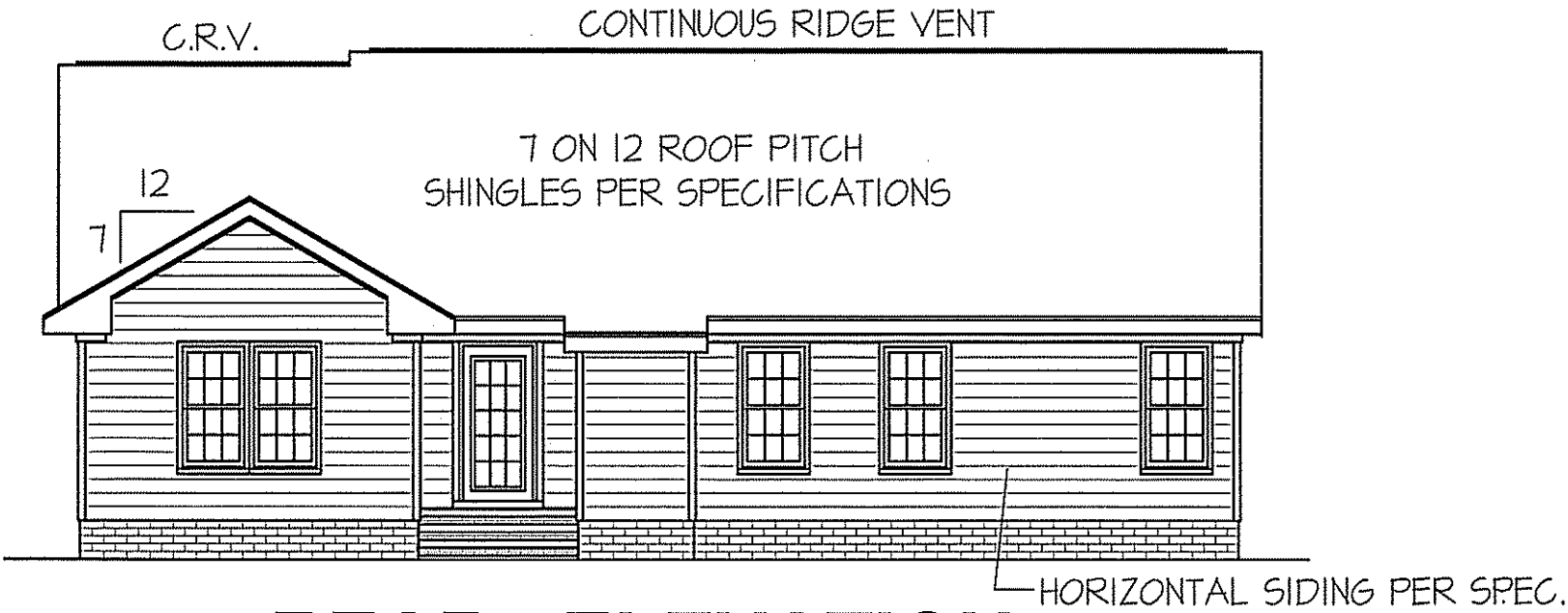


FRONT ELEVATION
SCALE: 1/4" = 1'-0"

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

ROOF VENTILATION REQ'MTS.
2074 ATTIC SQ. FT. / 300 = 6.91

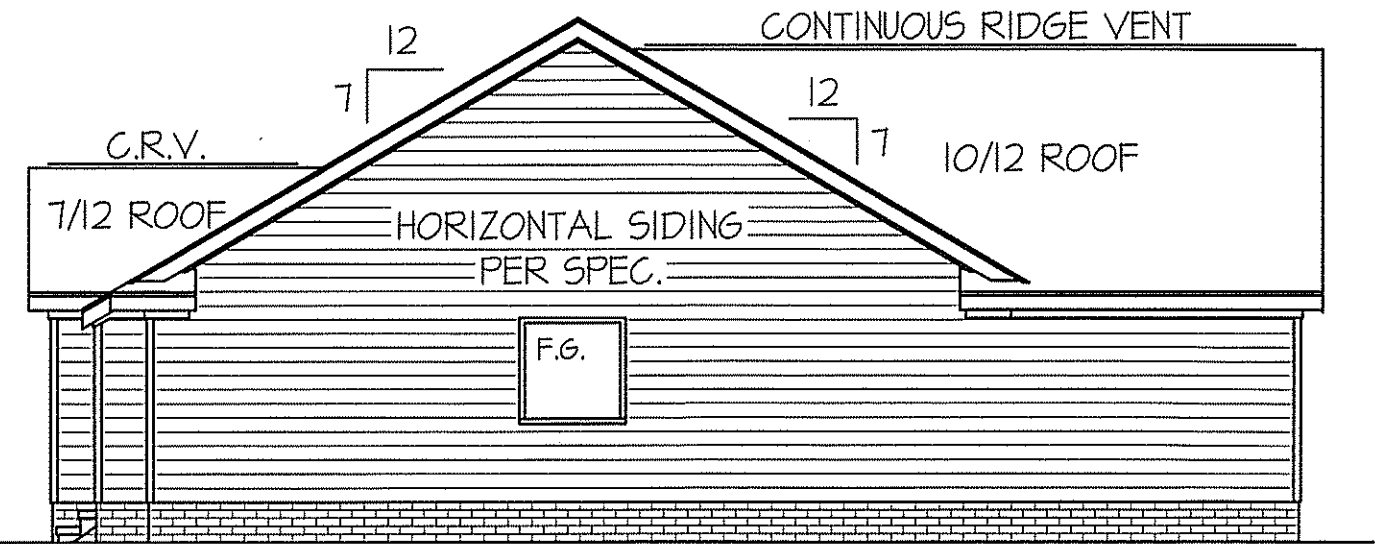
PROVIDED ON PLAN
86 L.F. RIDGE VENT = 16.13
118 L.F. SOFFIT VENT = 7.38
TOTAL = 23.51 S.F. FREE NET AREA



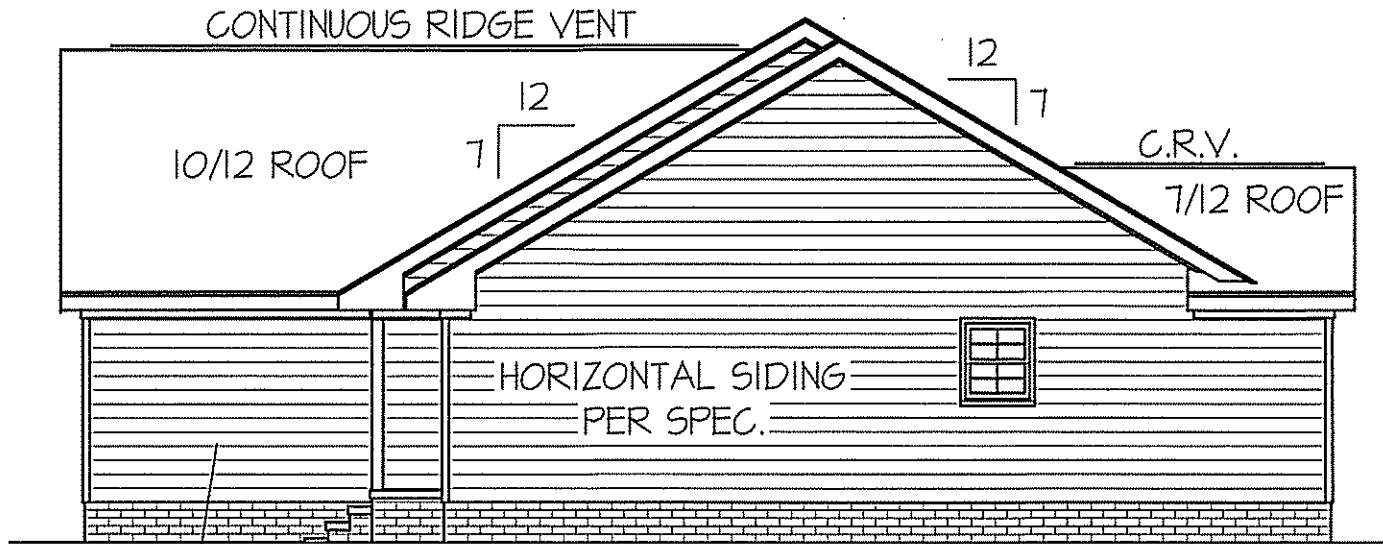
REAR ELEVATION
SCALE: 1/8" = 1'-0"

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

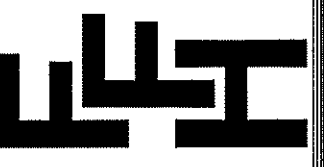
INSULATION and FENESTRATION REQUIREMENTS		
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-38	R-38
MINIMUM WALL R-VALUE	R-15, 13+2.5	R-15, 13+2.5
MINIMUM FLOOR R-VALUE	R-19	R-19
MIN. CRAWL SPACE WALL R-VALUE	5/13	10/15
MIN. SLAB R-VALUE	0	R-10
PROVIDE STEPS AS REQUIRED GRADE MAY VARY - BUILDER TO VERIFY		



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

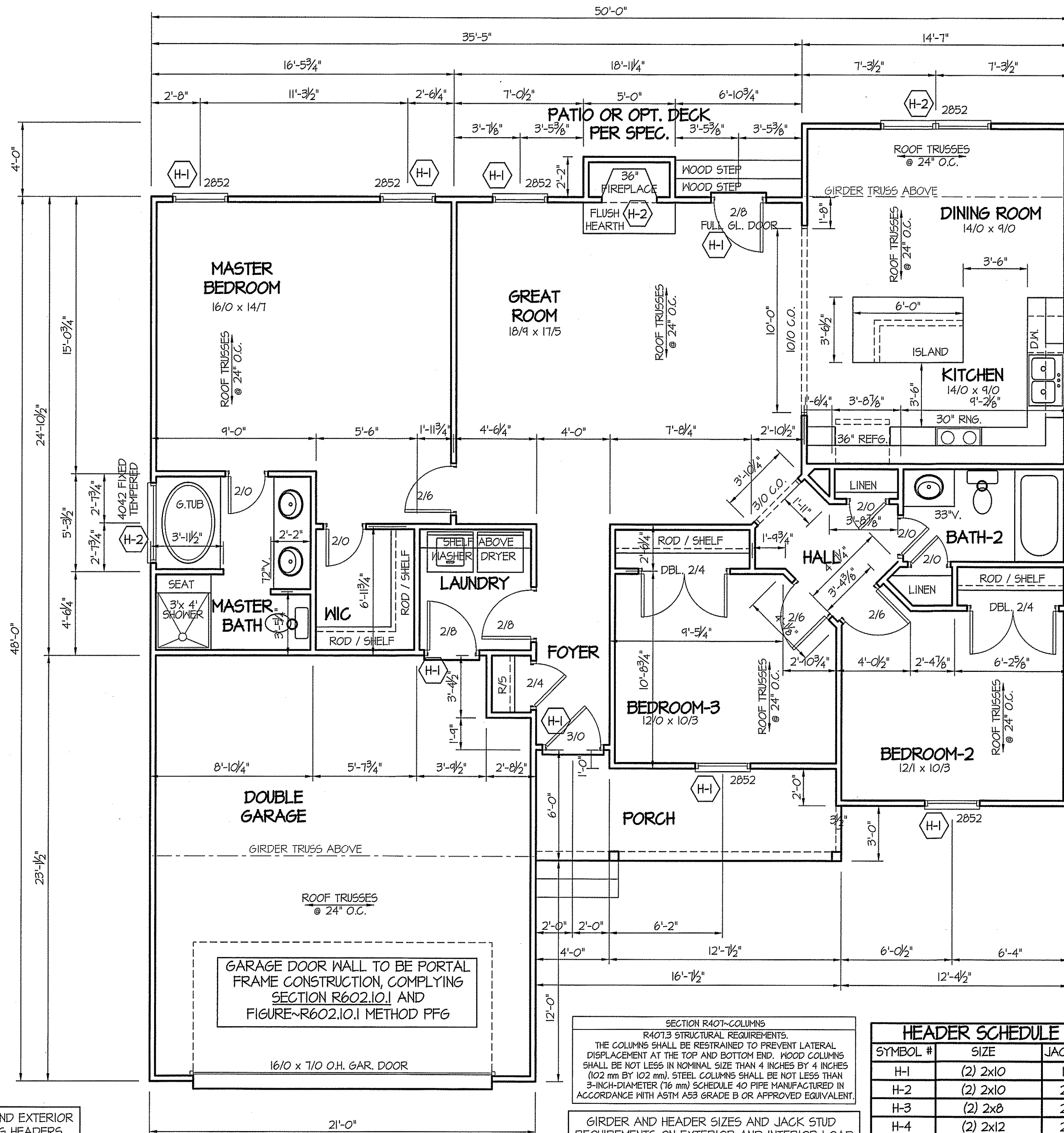


RIGHT ELEVATION
SCALE: 1/8" = 1'-0"



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

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EXCLUSIVE PLAN FOR
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HIGH POINT ~ LEFT

SHEET NO.
2

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

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 9.25 LVL	3

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.

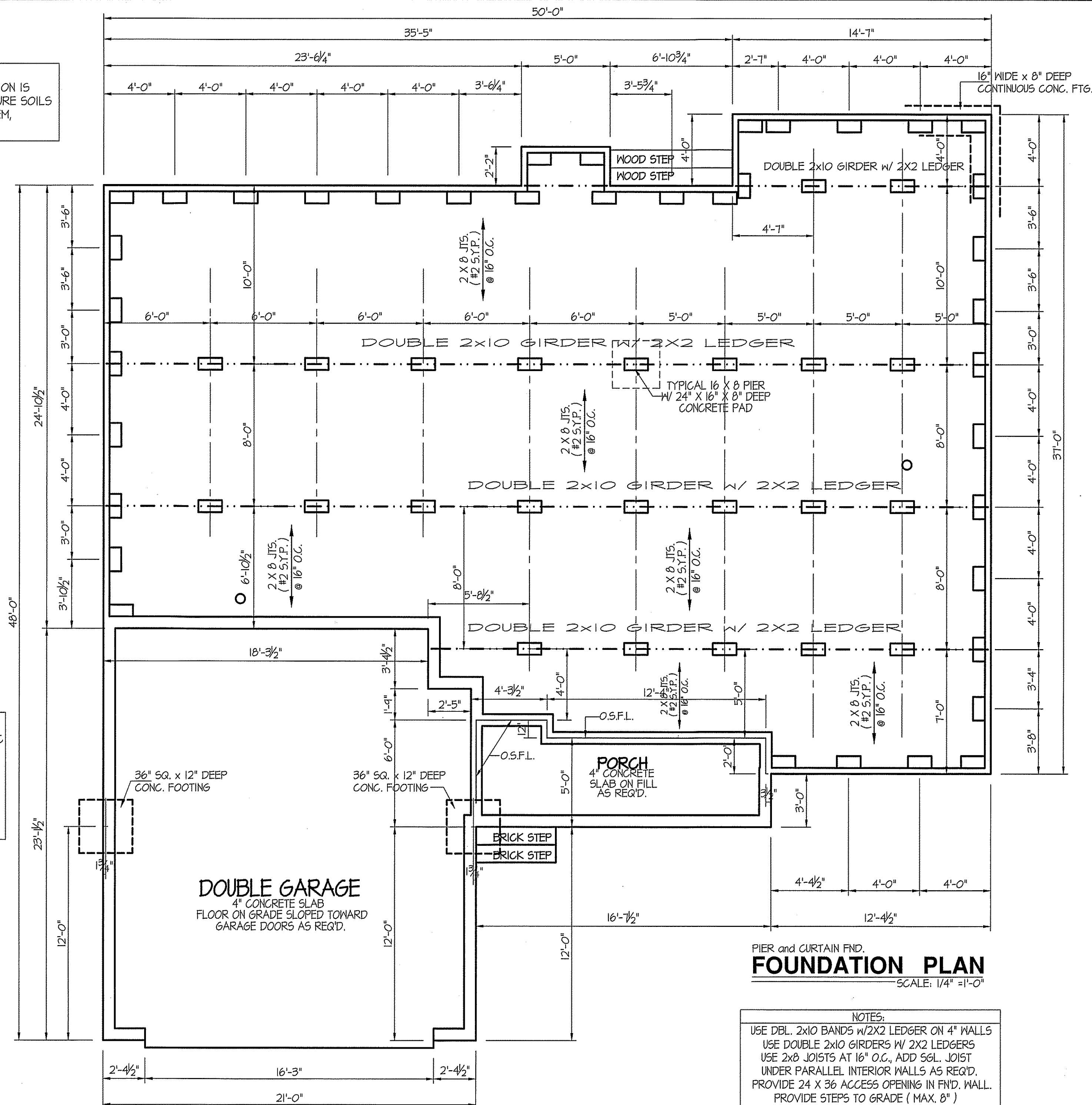
8" CEILINGS UNLESS OTHERWISE NOTED
FLOOR PLAN
SCALE: 1/4" = 1'-0"

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

(MIN. NET AREA OF VENT. REQ'D. = 1/150) 1511 S.F. (CRAWL) x .96 = 1450.56 S.I. USE 2 " WITTEN AUTO. VENT" FN'D. VENTS @ 65 S.I. FREE NET AREA OR EQUIVALENT.
(MIN. NET AREA CAN BE REDUCED TO 1/1500 1511 S.F. (CRAWL) x .096 = 145.06 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.

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).

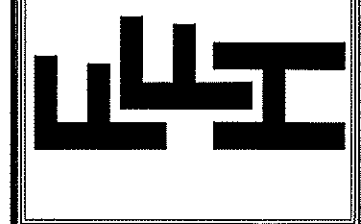


PIER and CURTAIN FND.
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

NOTES:
USE DBL. 2x10 BANDS w/2X2 LEDGER ON 4" WALLS.
USE DOUBLE 2X10 GIRDS 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")

DATE:
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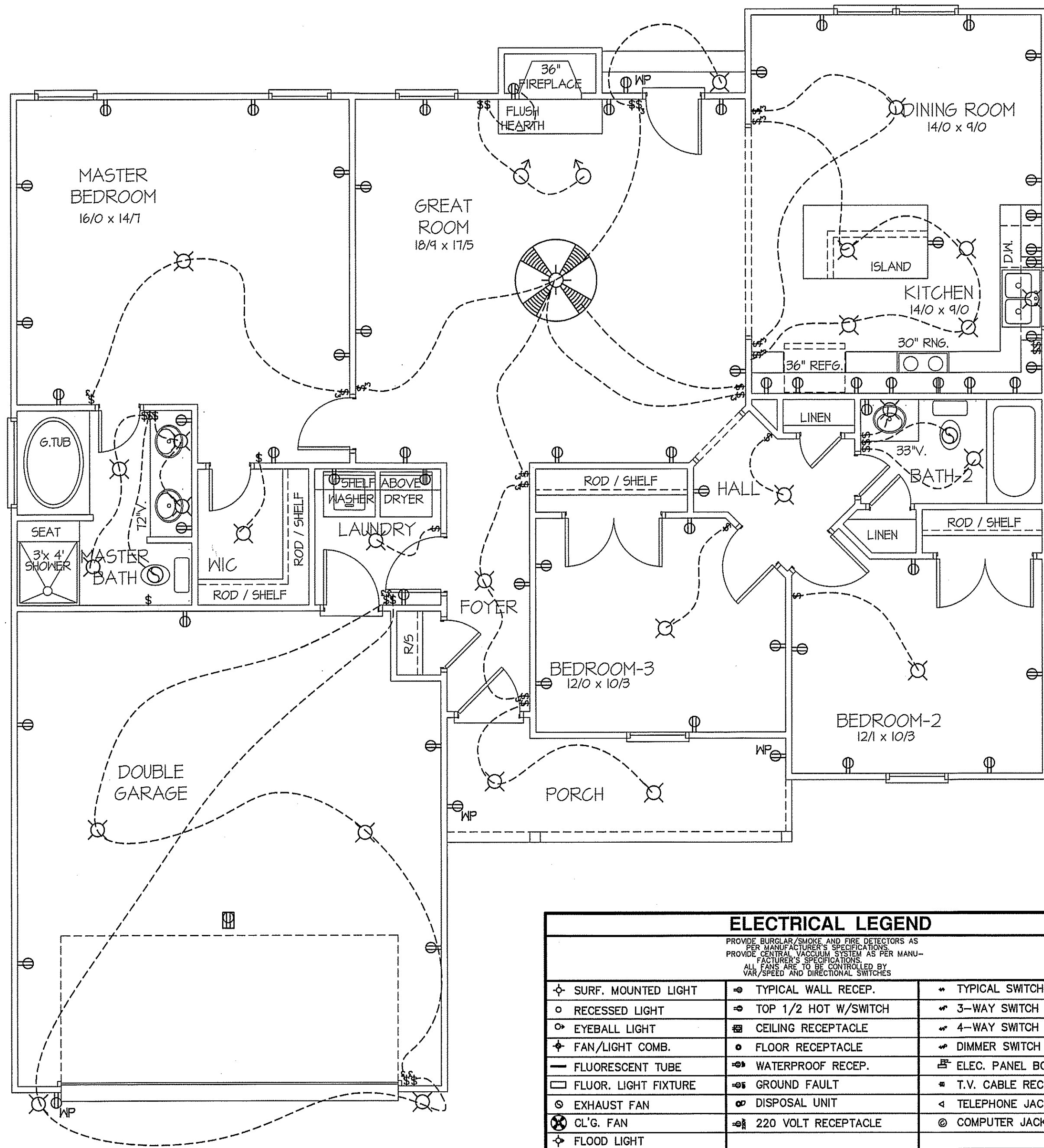
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PLAN: **EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES**

HIGH POINT ~ LEFT

SHEET NO.
3



ELECTRICAL LEGEND		
PROVIDE BURGLAR/SMOKE AND FIRE DETECTORS AS PER MANUFACTURER'S SPECIFICATIONS. PROVIDE CENTRAL VACUUM SYSTEM AS PER MANUFACTURER'S SPECIFICATIONS. ALL PANS 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 = 1511 S.F.
PORCH AREA = 87 S.F.
DOUBLE GARAGE AREA = 476 S.F.

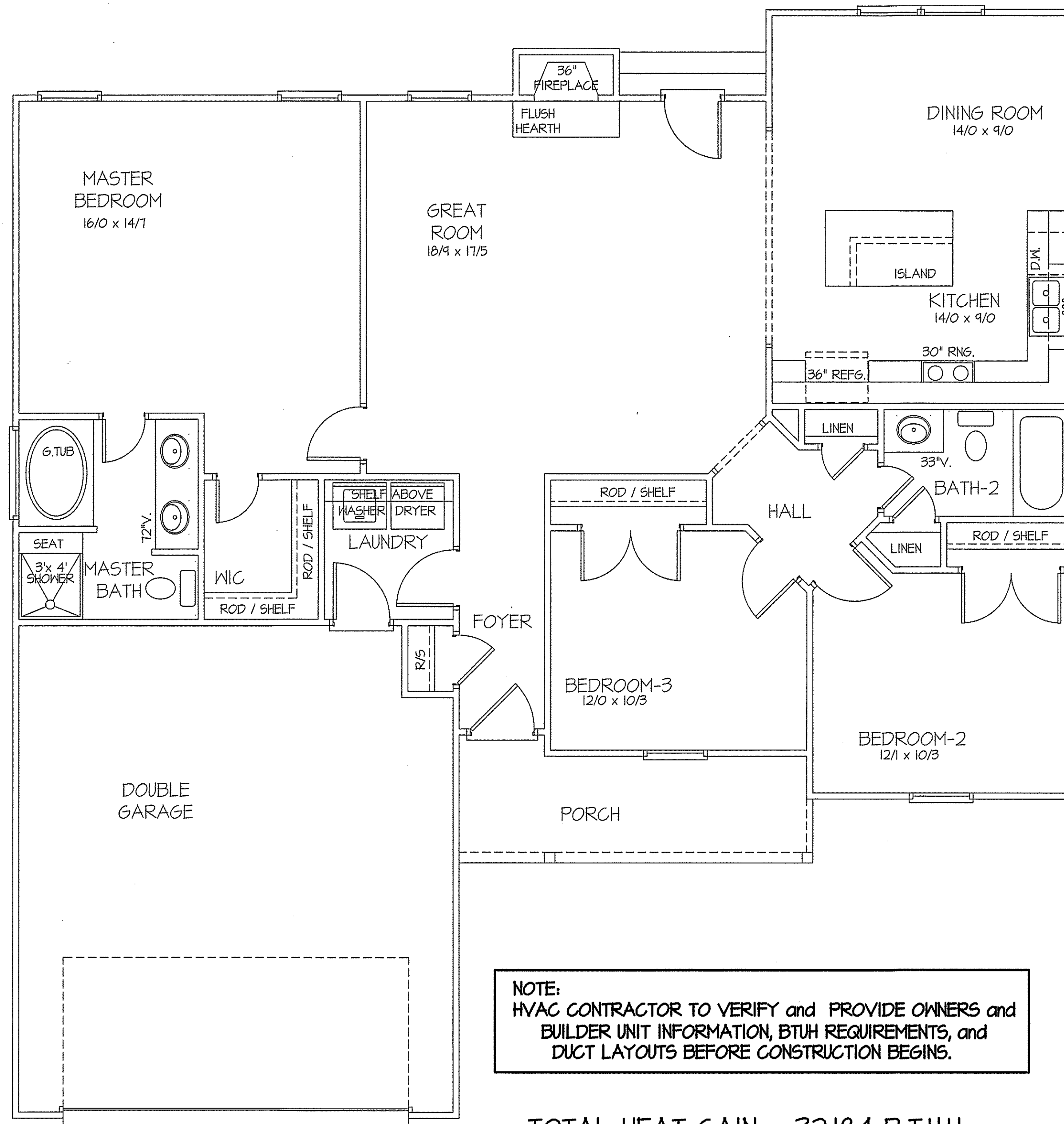
PLAN:
**EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
HIGH POINT ~ LEFT**

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SHEET NO.
4



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 = 81 S.F.
DOUBLE GARAGE AREA = 476 S.F.

DATE:

JULY 24, 2019

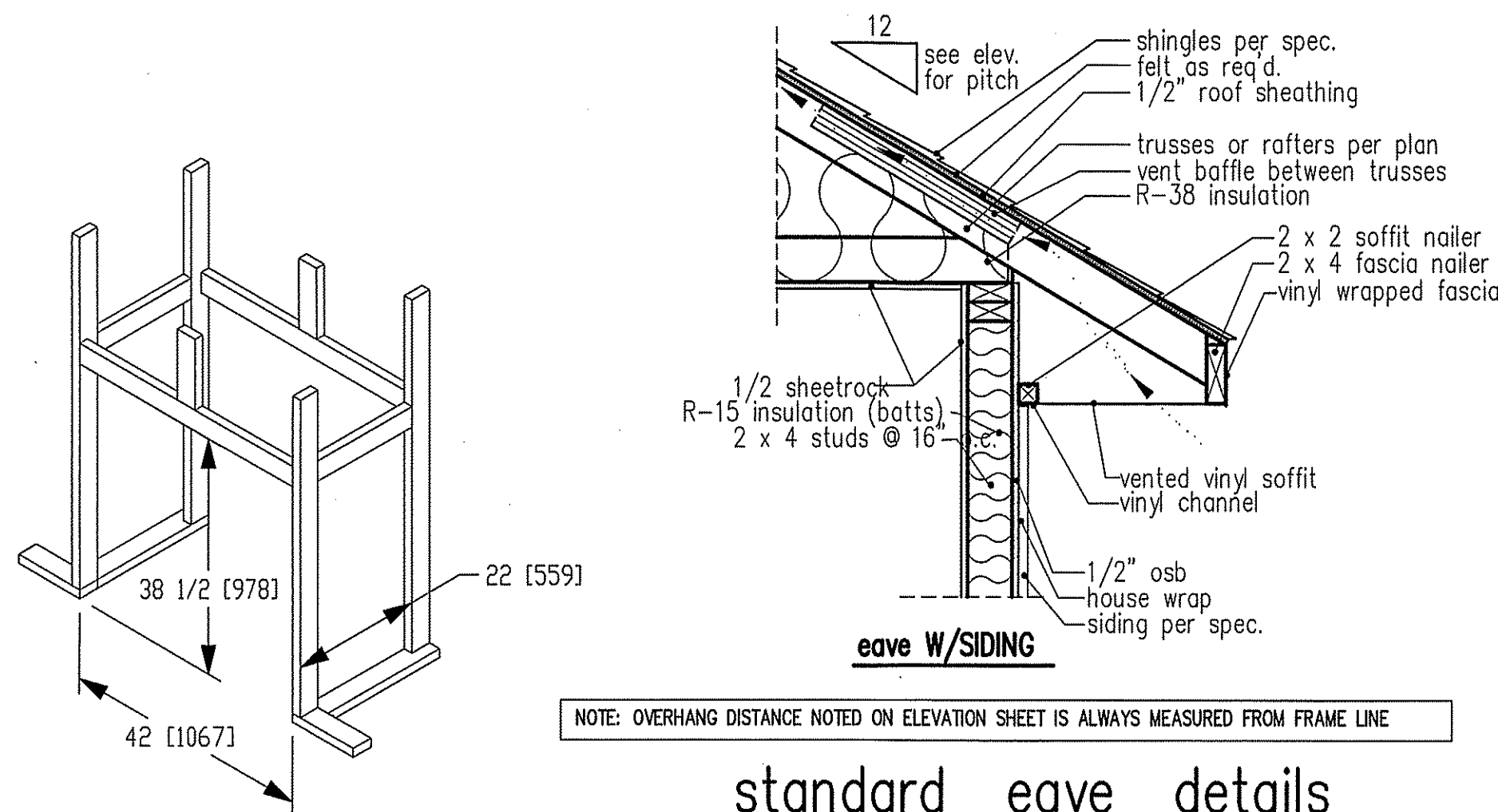
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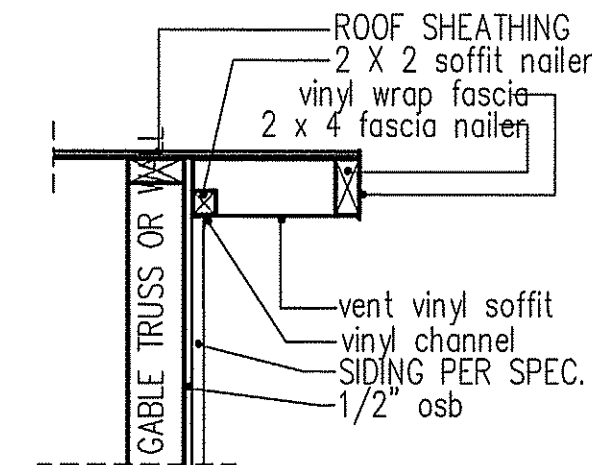
PLAN:
**EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES**
HIGH POINT ~ LEFT

SHEET NO.

5



standard eave details



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

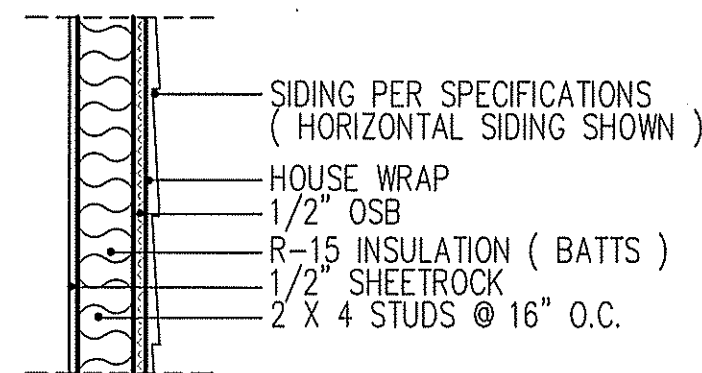
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.-R602.7 (1) AND INT.-R602.7 (2).

DIMENSIONS IN [] ARE MM

SPECIFICATIONS

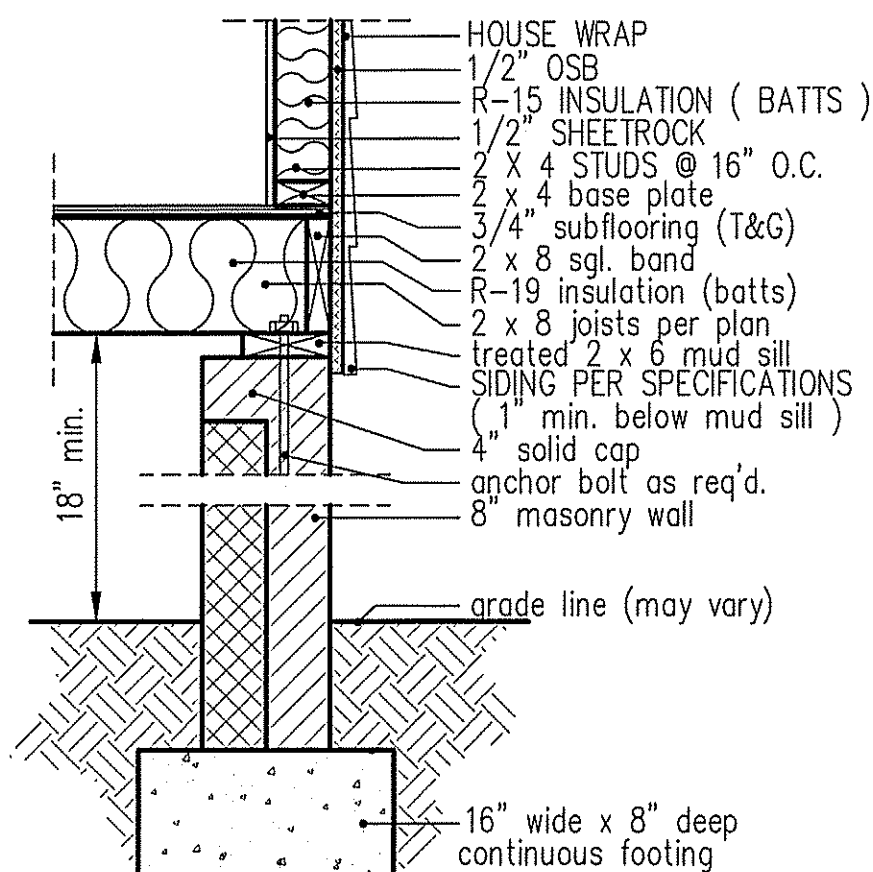
Model 6000-TR	Height		Front Width		Back Width		Depth		Glass Size	BTU Input
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing		
Inches	38	38-1/2	41	42	28-1/2	42	21-1/2	22		

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

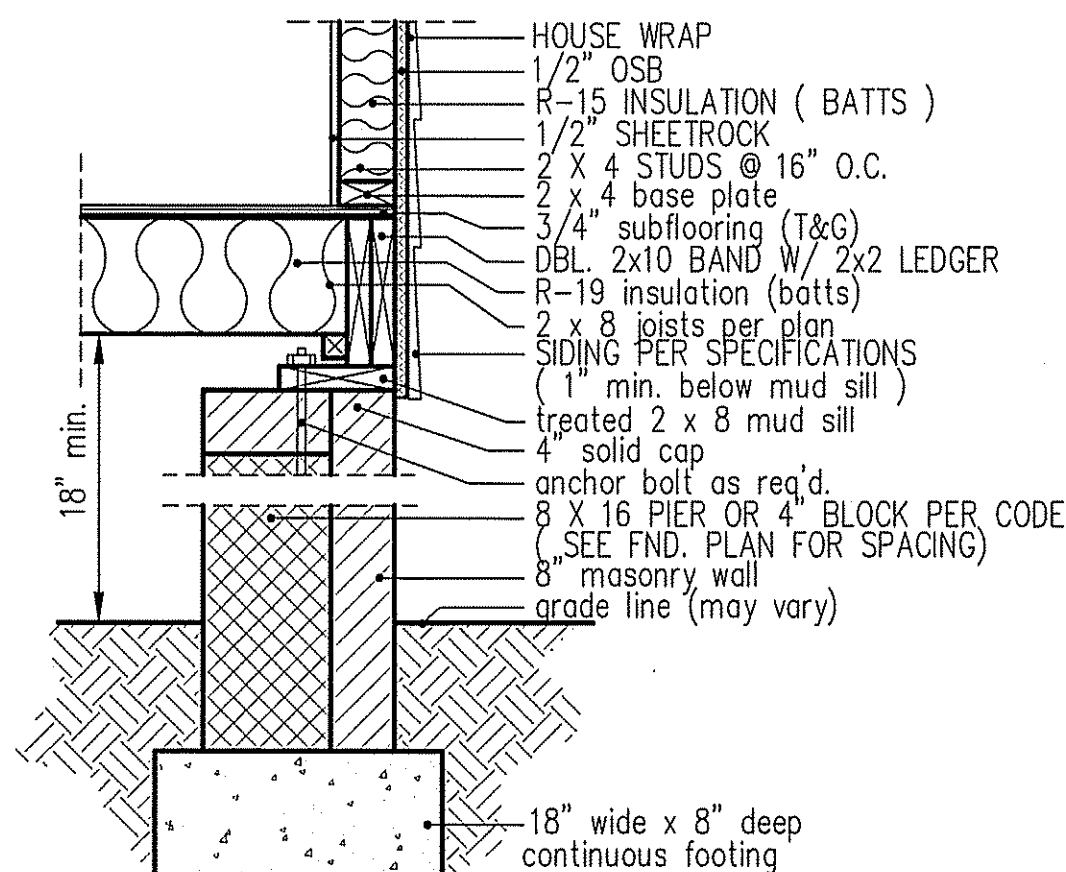


WALL w/siding

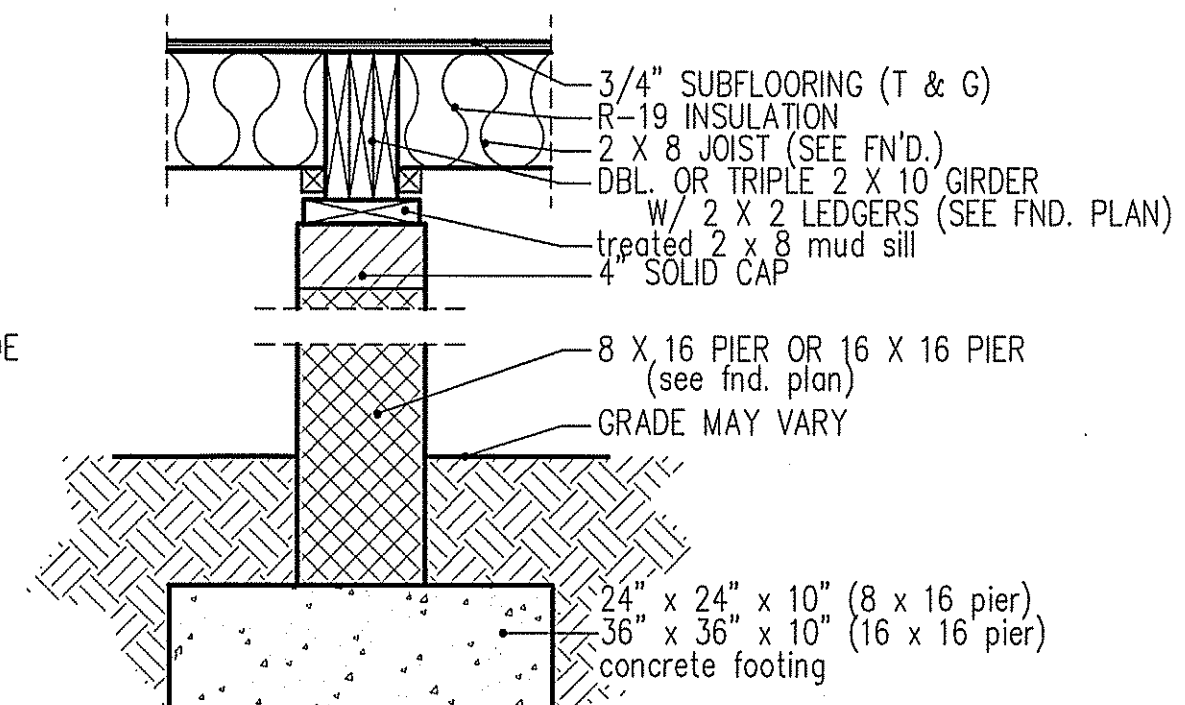
intermediate wall details



8" BOX SILL FOUNDATION WALL



PIER and CURTAIN FOUNDATION WALL



PIER and GIRDER DETAIL

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JULY 24, 2019

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**EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES**

HIGH POINT

PLAN:

SHEET NO.

6

