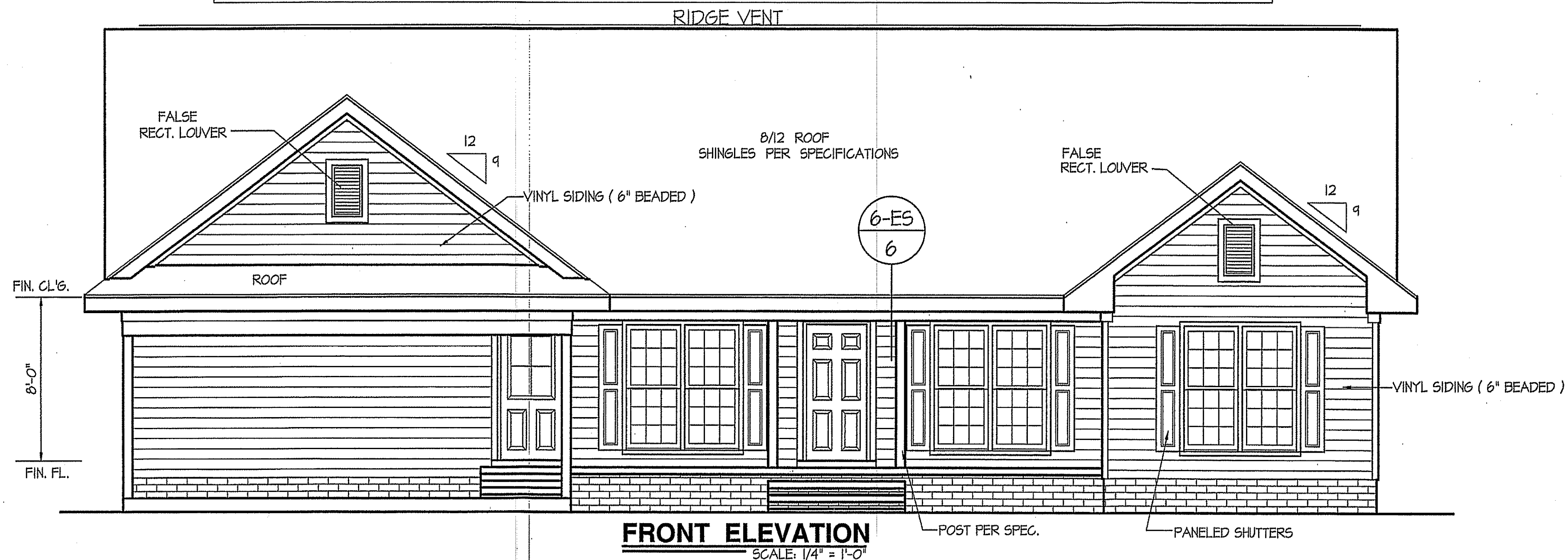


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

DATE:

MAY 10, 2021

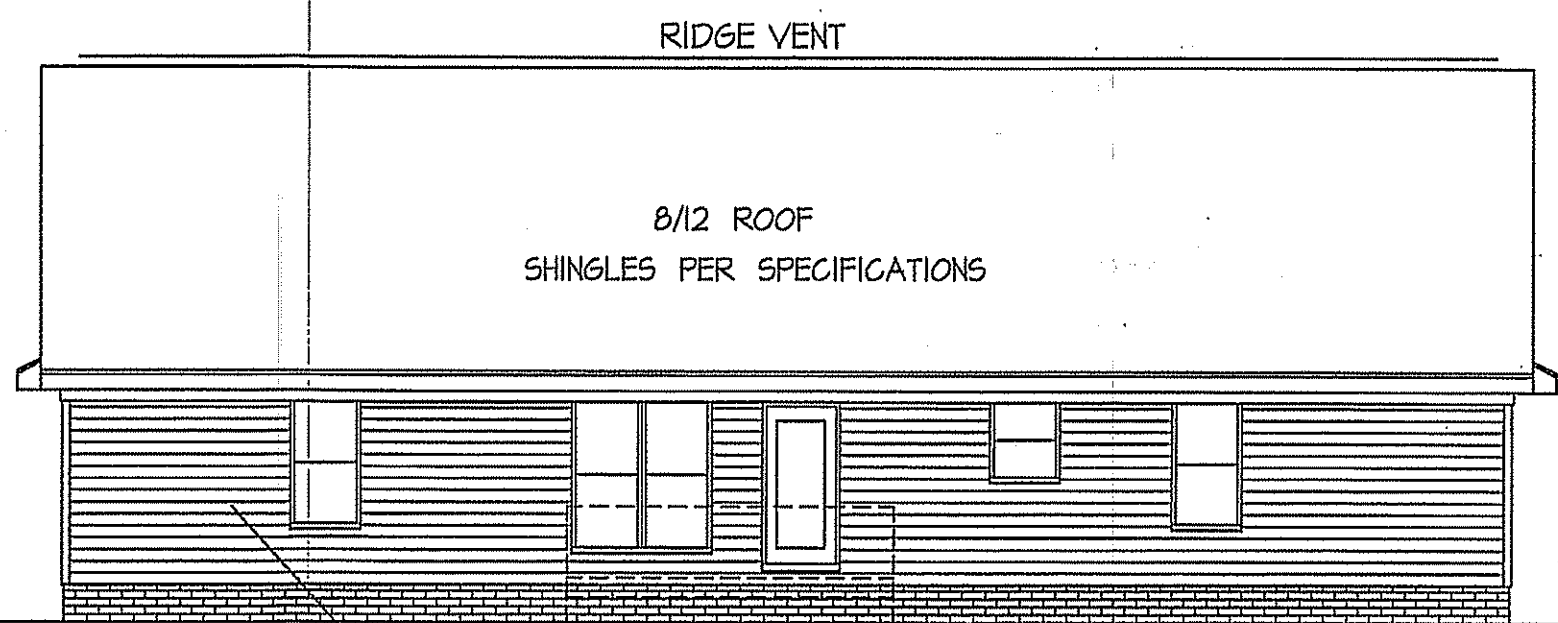


FRONT ELEVATION
SCALE: 1/4" = 1'-0"

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

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

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



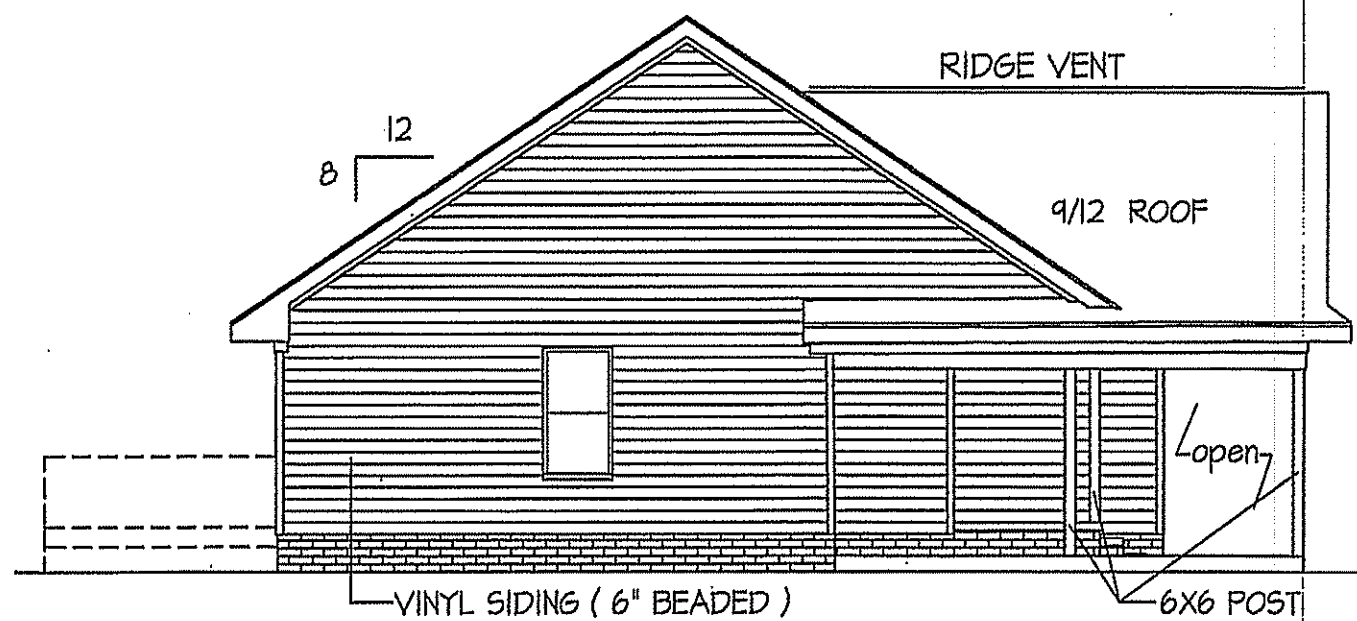
REAR ELEVATION
SCALE: 1/8" = 1'-0"

ROOF VENTILATION REQ'MTS.
2259 ATTIC SQ. FT. / 300 = 7.53
PROVIDED ON PLAN
86 LF. - RIDGE VENT = 16.13
137 LF. SOFFIT VENT = 8.56
TOTAL = 24.69 S.F. FREE NET AREA

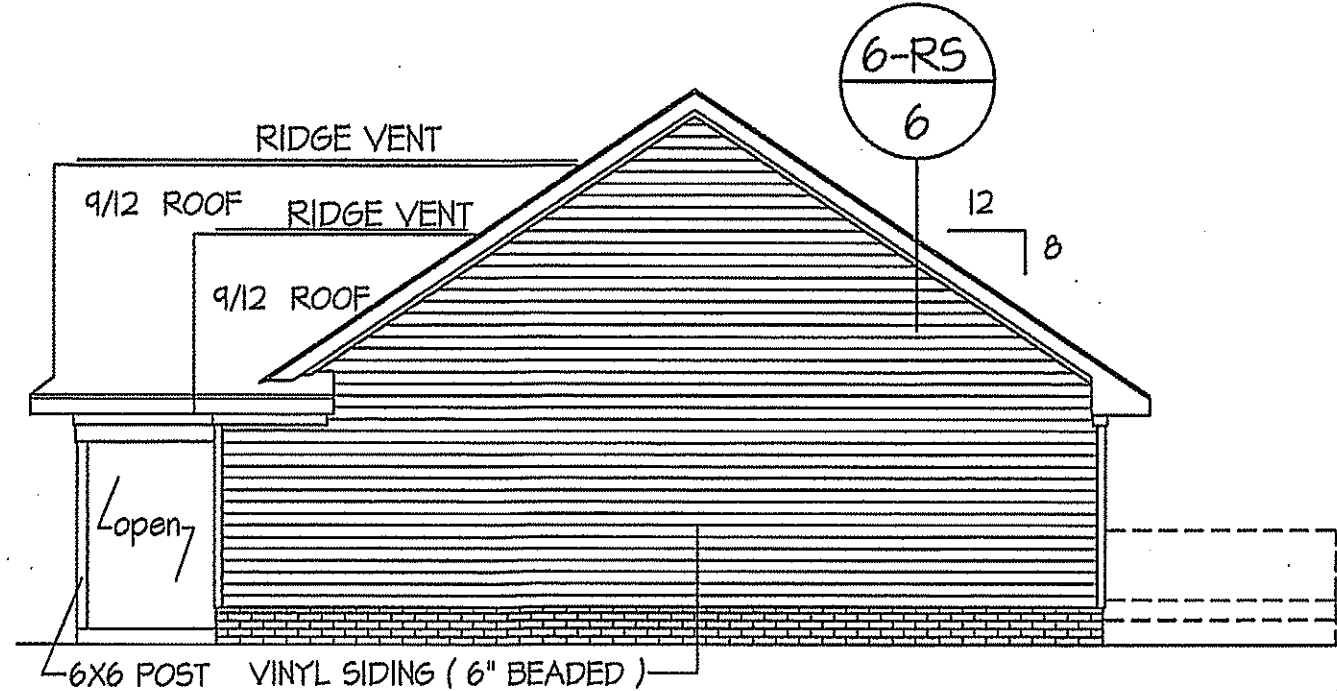
INSULATION and FENESTRATION REQUIREMENTS

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	5/15	10/15
MIN. SLAB R-VALUE	0	R-10

PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY

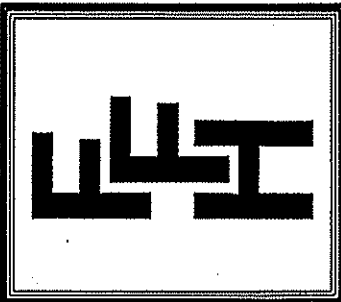


LEFT ELEVATION
SCALE: 1/8" = 1'-0"



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

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EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
ASHEVILLE~ROBERTS

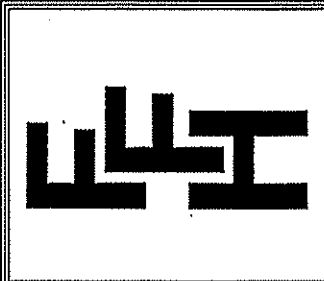
SHEET NO.
1

FILE: ASHEVILLE-ROBERTS - COMPUTER FILED UNDER FREEDOM FAMILY HOMES - MAY-2021

JR BT

DATE:
MAY 10, 2021

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SHEET NO.
2

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

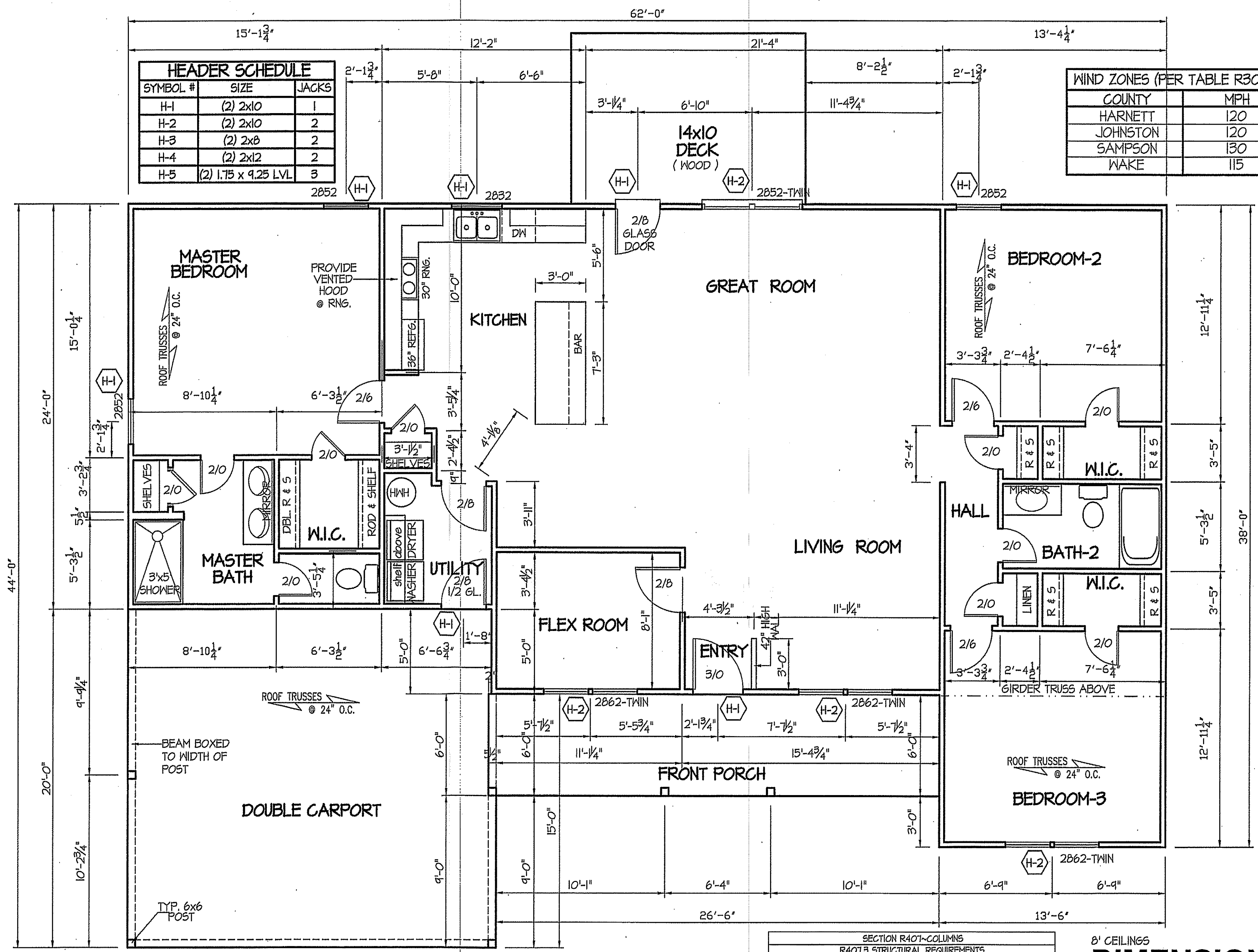


TABLE R602.7.5
MINIMUM NUMBER OF FULL HEIGHT STUDS
AT EACH END OF HEADERS IN EXTERIOR WALLS

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 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 (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.

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

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

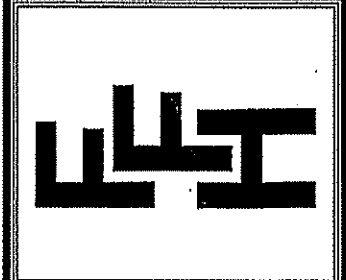
TOTAL FLOOR = 1811 SQUARE FEET (HEATED - FRAME)
162 SQUARE FEET (FRONT PORCH)
131 SQUARE FEET (DECK)
439 SQUARE FEET (DOUBLE CARPORT)

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

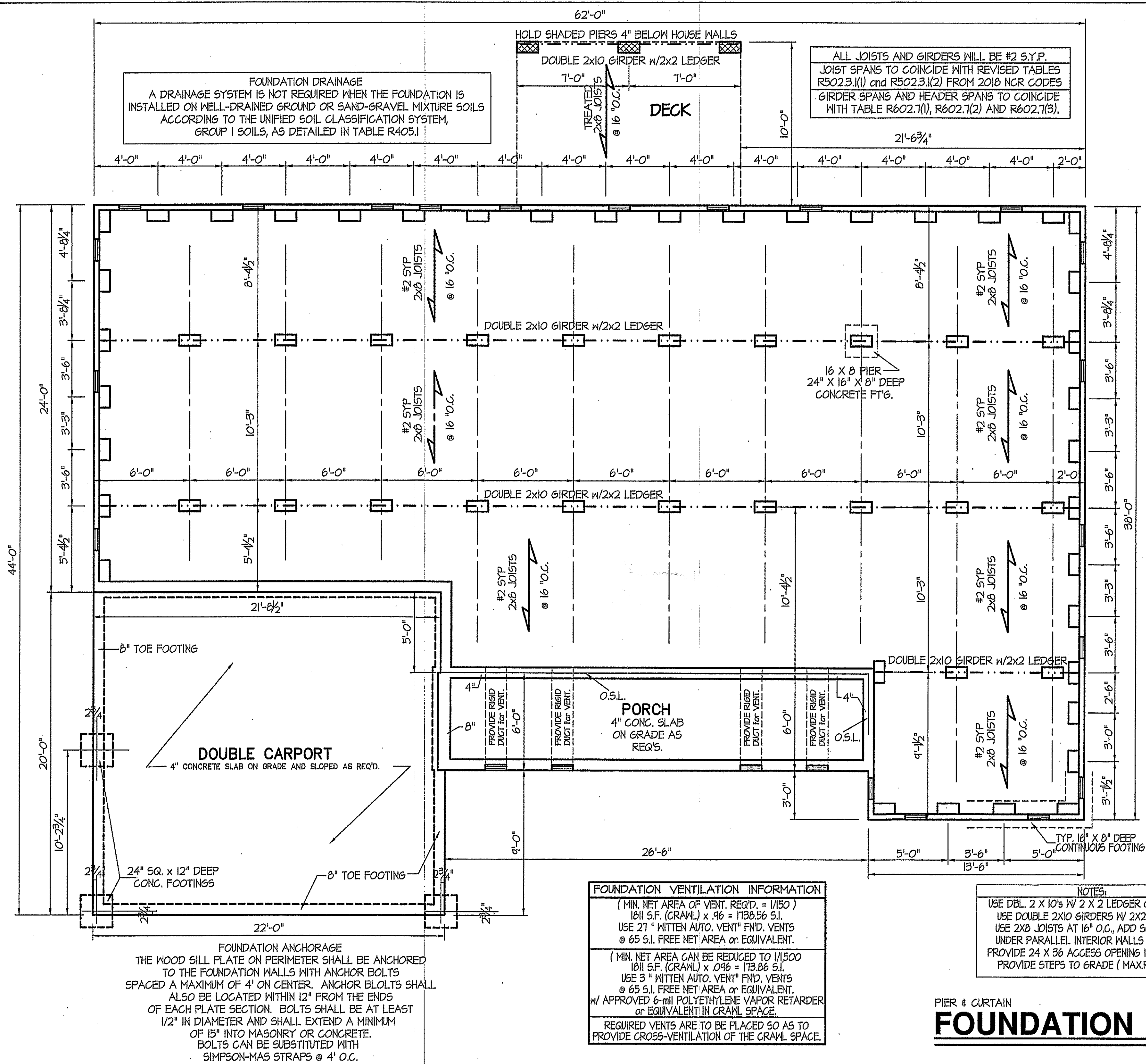
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MAY 10, 2021

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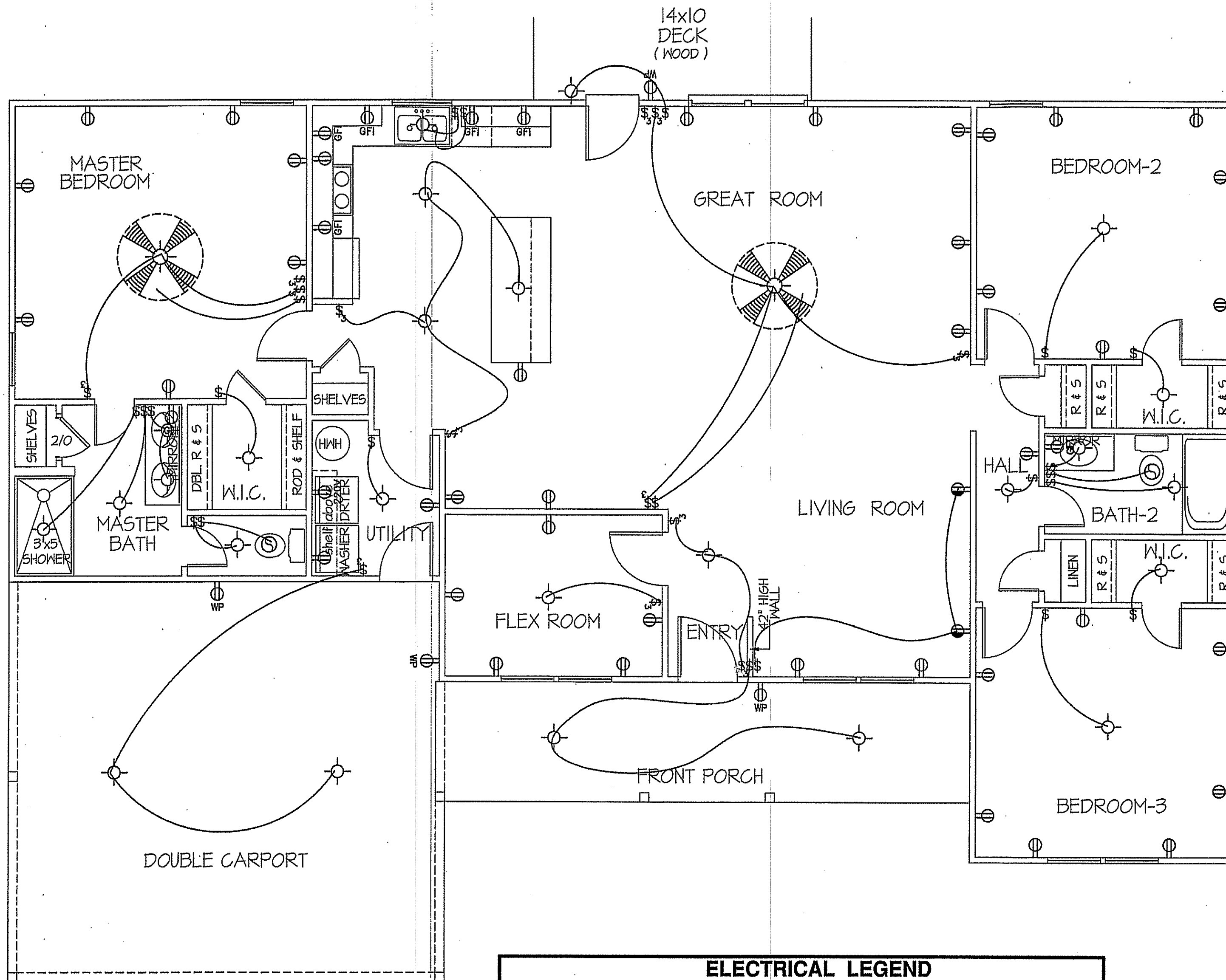


EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
ASHEVILLE~ROBERTS

SHEET NO.
3



JR
BT



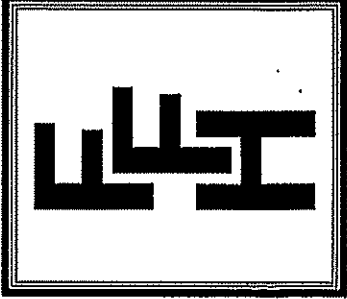
ELECTRICAL LEGEND		
<small>PROVIDE BURGLAR/SMOKE AND FIRE DETECTORS AS PER MANUFACTURER'S SPECIFICATIONS. PROVIDE CENTRAL VACUUM SYSTEM AS PER MANUFACTURER'S SPECIFICATIONS. ALL FANS ARE TO BE CONTROLLED BY VAR/SPEED AND DIRECTIONAL SWITCHES</small>		
⊕ SURF. MOUNTED LIGHT	⊖ TYPICAL WALL RECEP.	⊖ TYPICAL 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' CEILINGS
ELECTRICAL FLOOR PLAN
 SCALE: 1/4"=1'-0"

TOTAL FLOOR = 1011 SQUARE FEET (HEATED - FRAME)
 162 SQUARE FEET (FRONT PORCH)
 131 SQUARE FEET (DECK)
 439 SQUARE FEET (DOUBLE CARPORT)

DATE:
 MAY 10, 2021

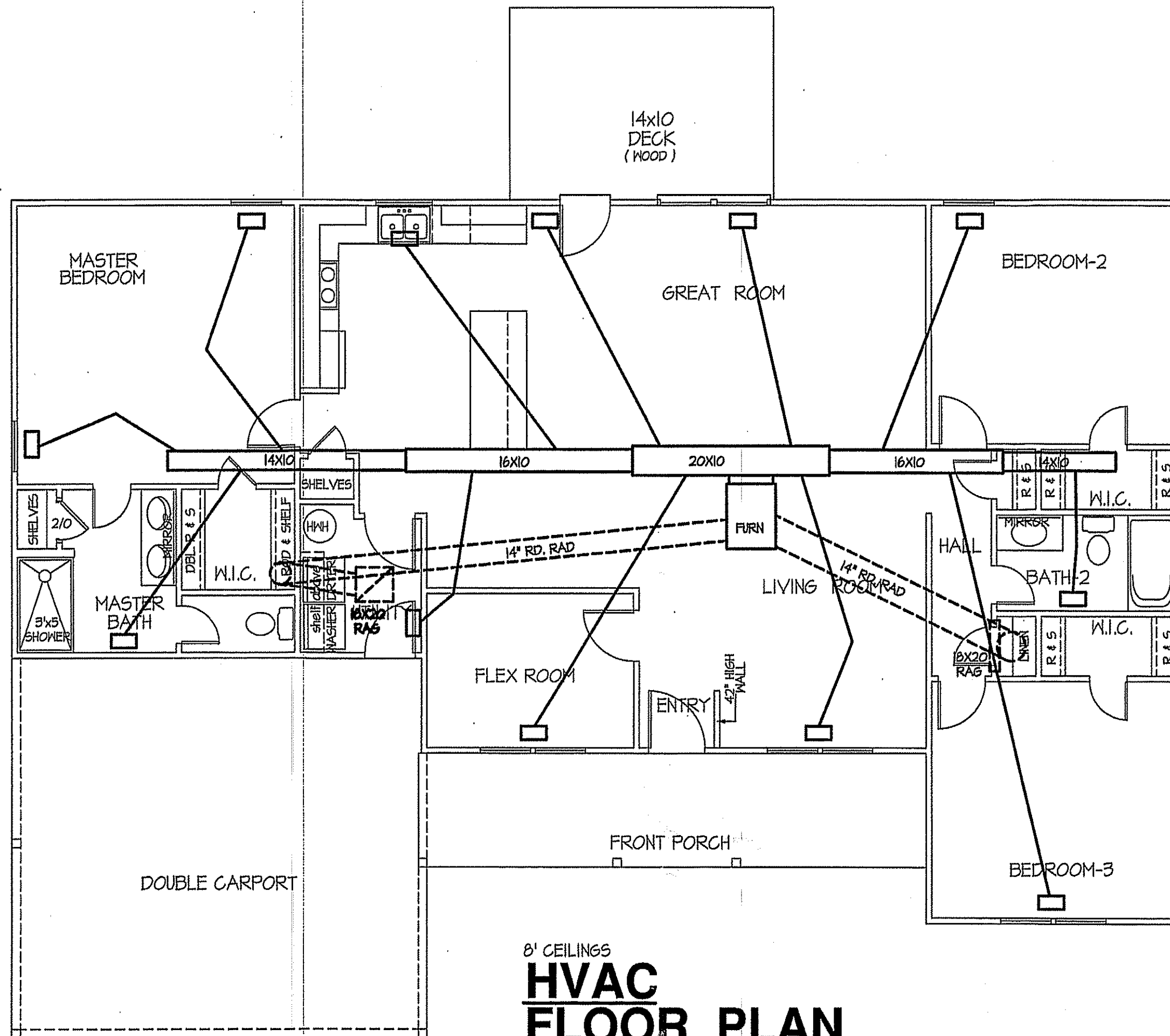
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EXCLUSIVE PLAN FOR
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ASHEVILLE~ROBERTS

SHEET NO.
4

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8' CEILINGS
HVAC FLOOR PLAN

SCALE: 3/16"=1'-0"

TOTAL FLOOR = 1811 SQUARE FEET (HEATED - FRAME)

TOTAL HEAT GAIN = 32,618 BTUH

TOTAL HEAT LOSS = 45,456 BTUH

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

DATE:

MAY 10, 2021

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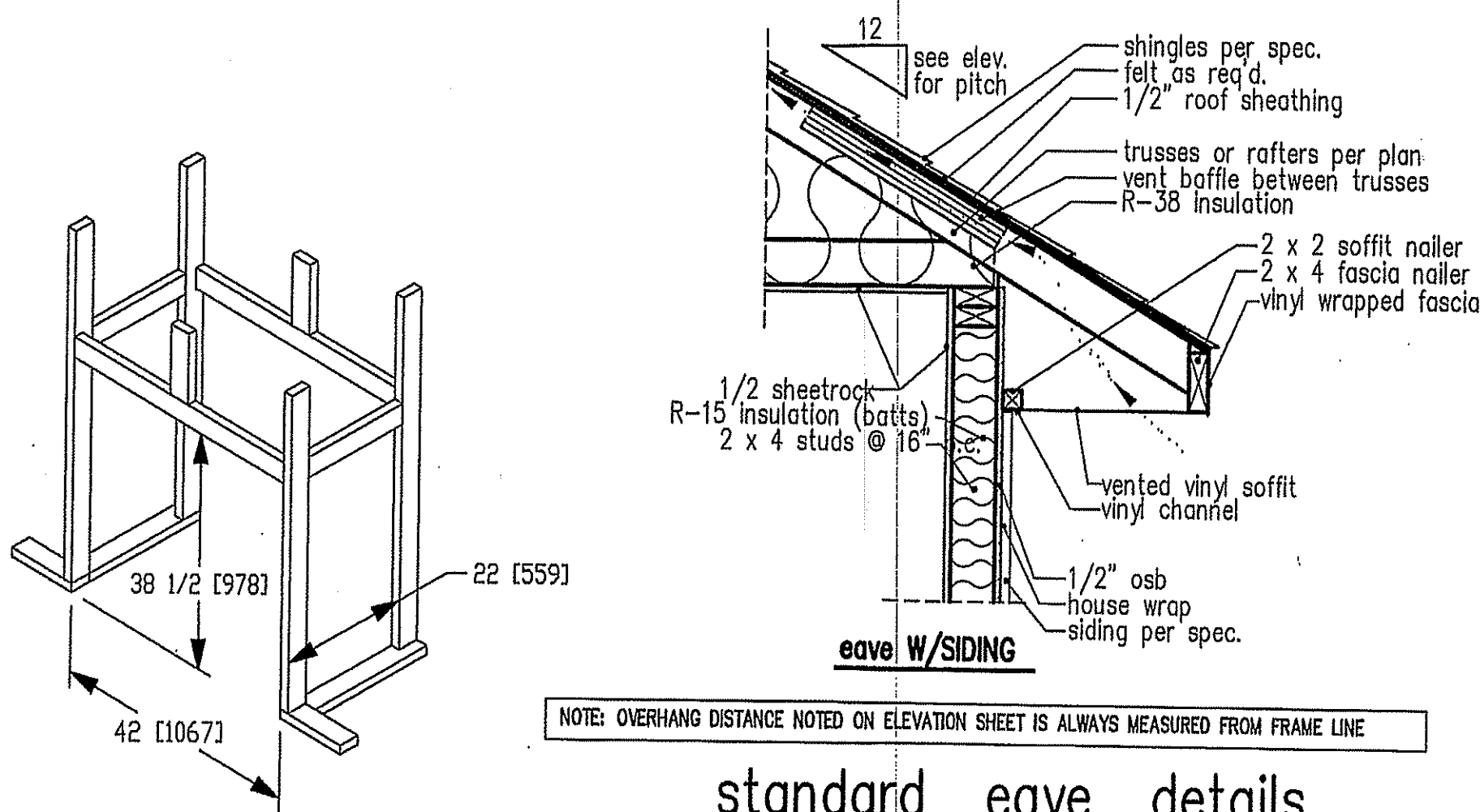
ASHEVILLE~ROBERTS

PLAN:

SHEET NO.

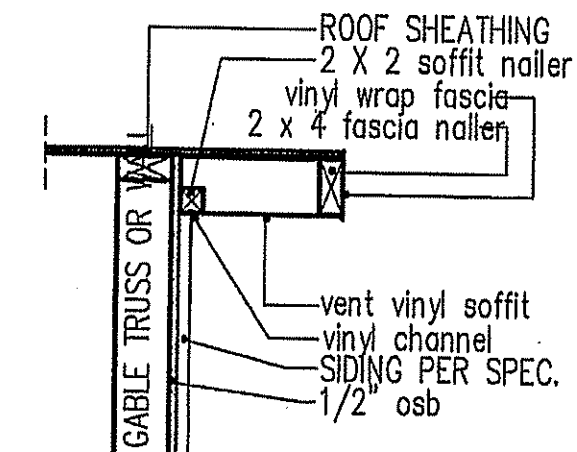
5

JR BT



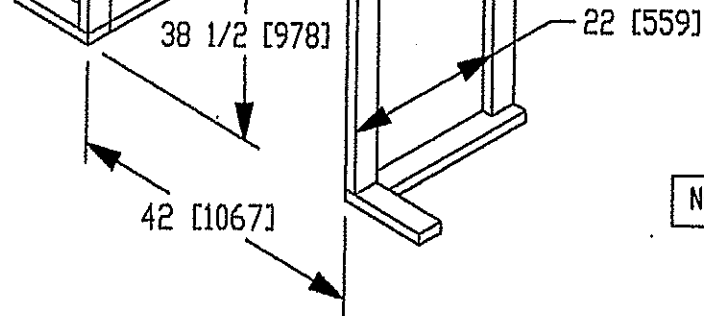
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

standard eave details



RAKE w/SIDING

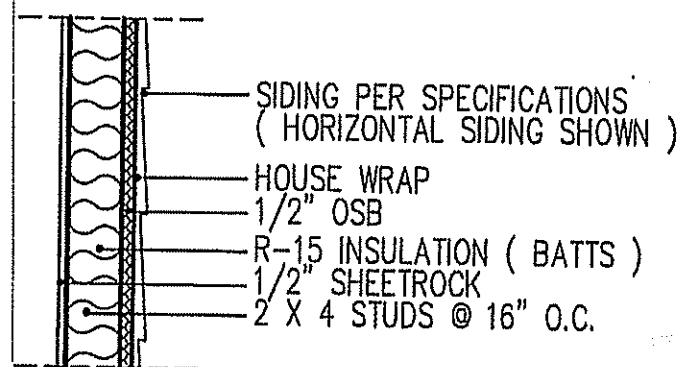
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE



DIMENSIONS IN [] ARE MM

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

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



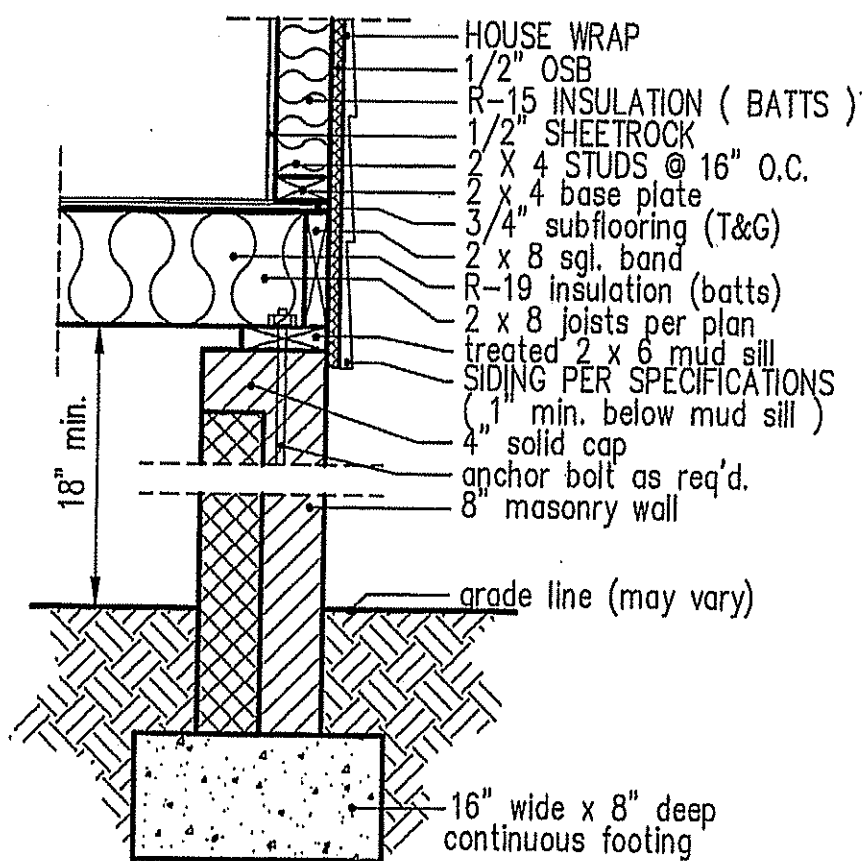
WALL w/siding

intermediate wall details

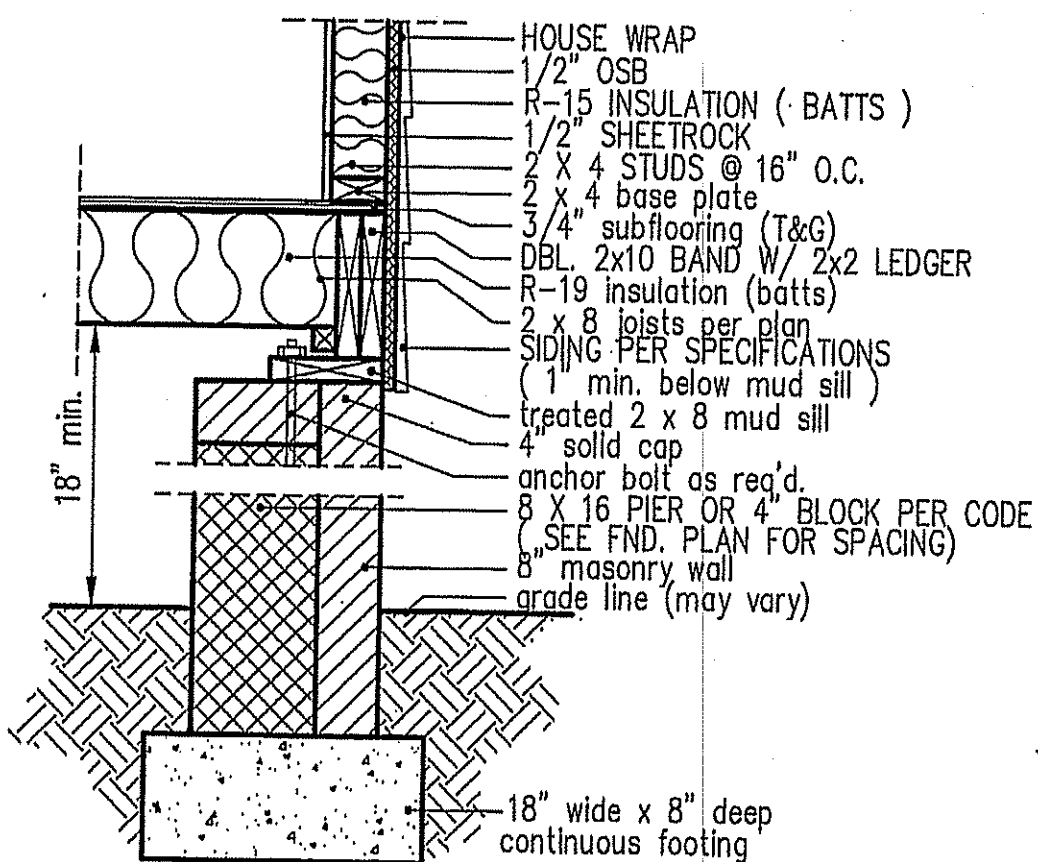
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MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

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4'	2	1
8'	3	2
12'	5	3
16'	6	4

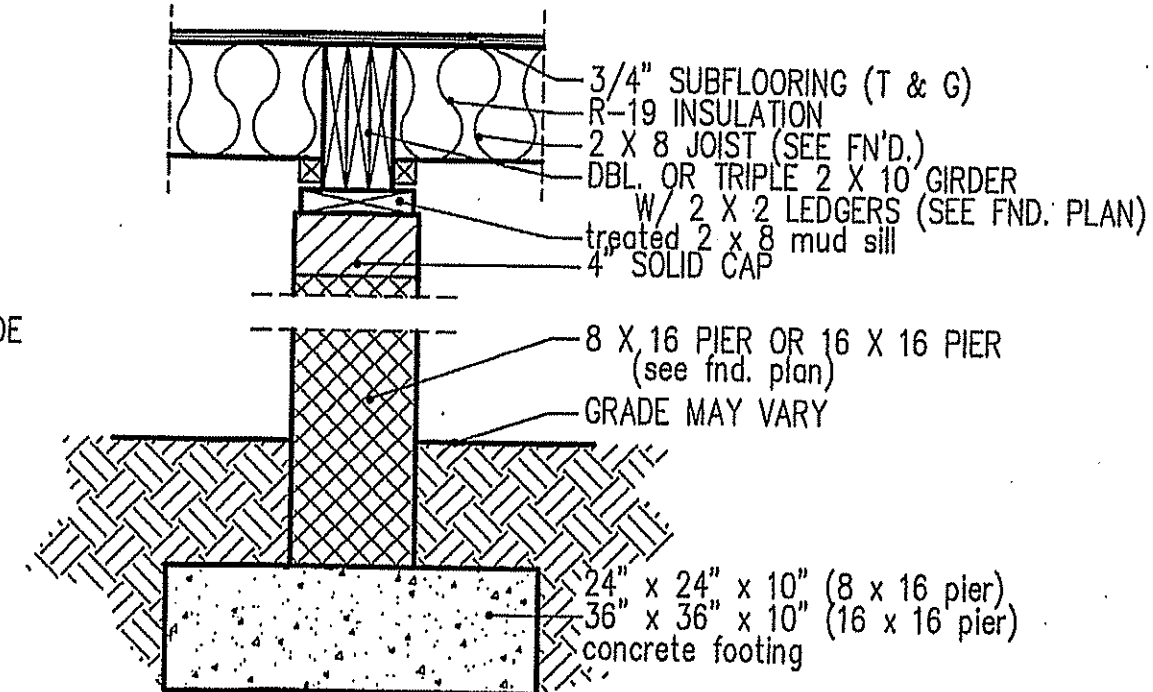
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.~R602.7 (1) AND INT.~R602.7 (2).



8" BOX SILL FOUNDATION WALL



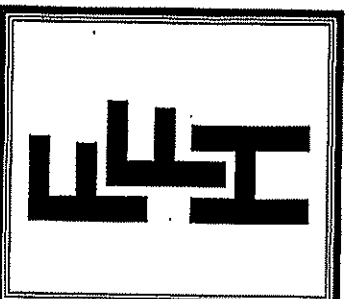
PIER and CURTAIN FOUNDATION WALL



PIER and GIRDER DETAIL

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MAY 10, 2021

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EXCLUSIVE PLAN FOR
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SHEET NO.
6

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