

27 Planters Glen

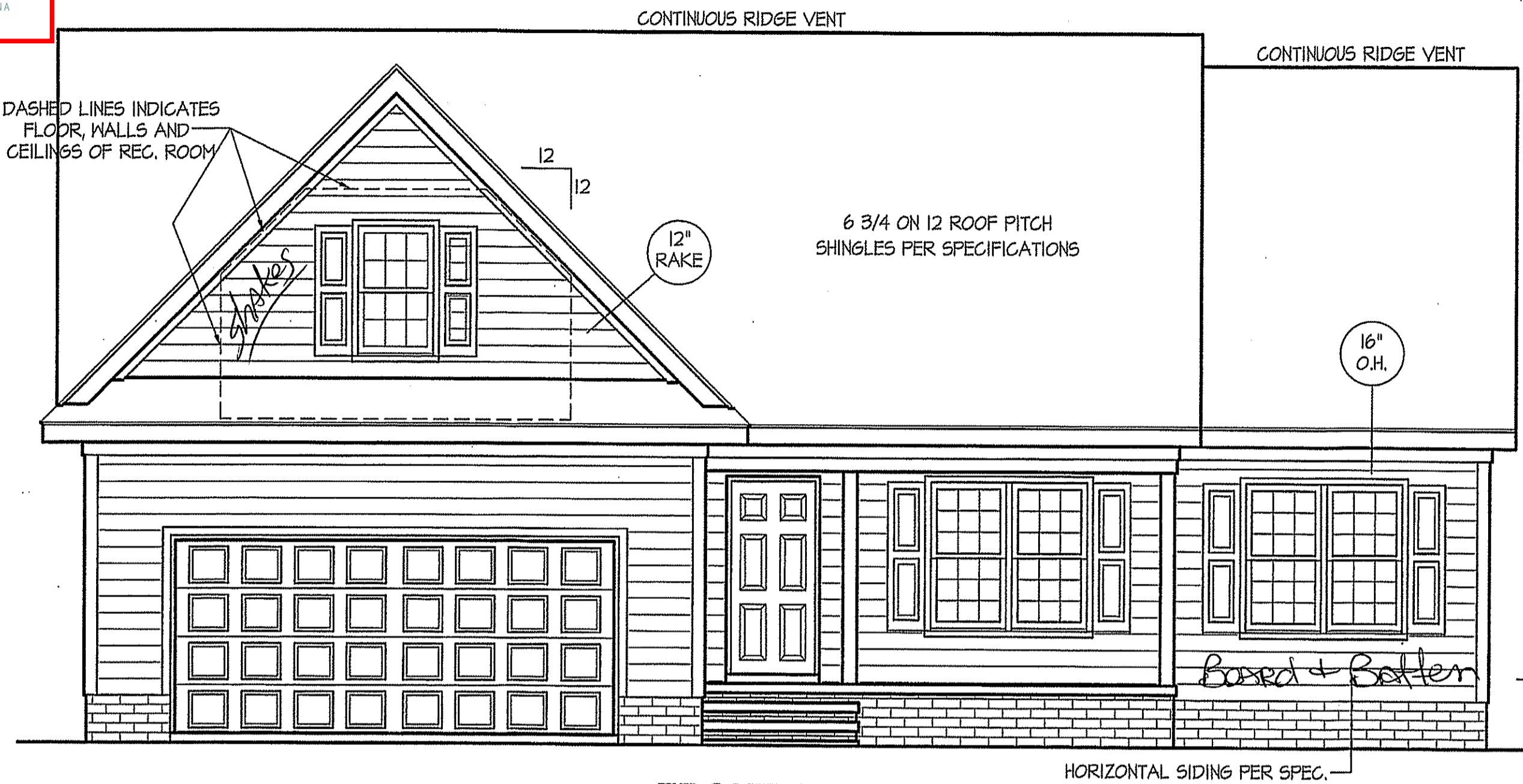
THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

NOTICE TO CONTRACTOR  
All construction must comply with current NC Building Codes and be subject to field inspection and verification.

APPROVED  
Use for building only review  
Plan holder responsible for full compliance with the code

05/15/2020

DATE:  
SEPT.-2019



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

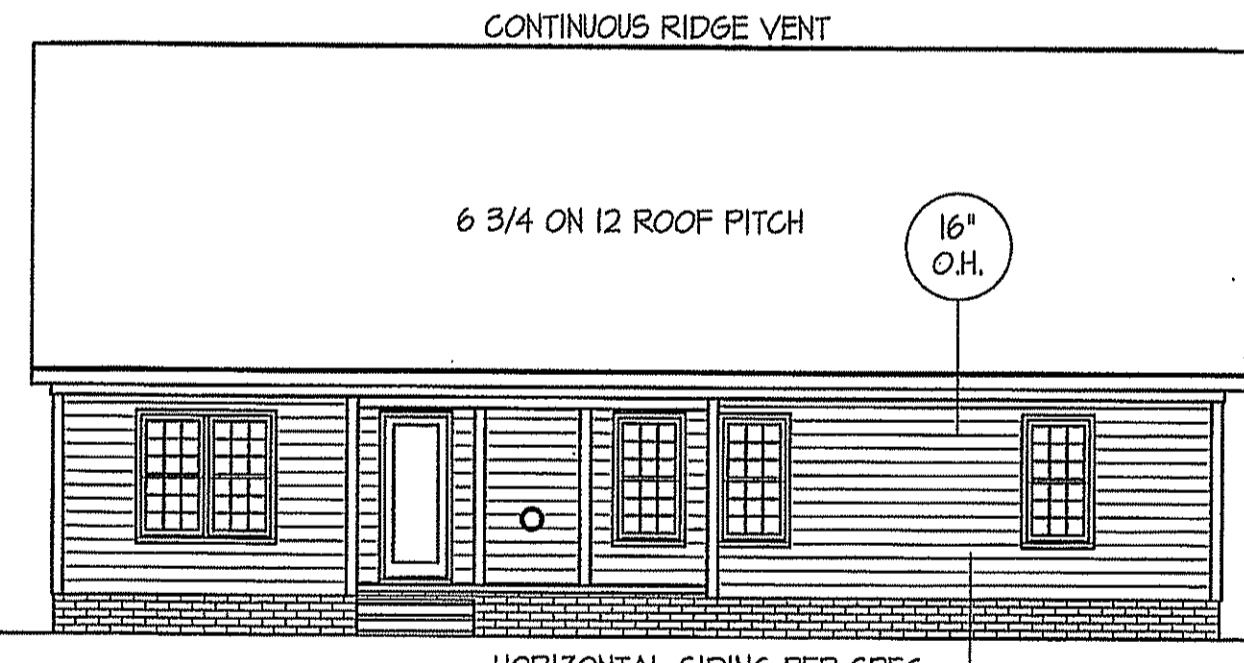
COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

**FRONT ELEVATION**  
SCALE: 1/4" = 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-30	R-30
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

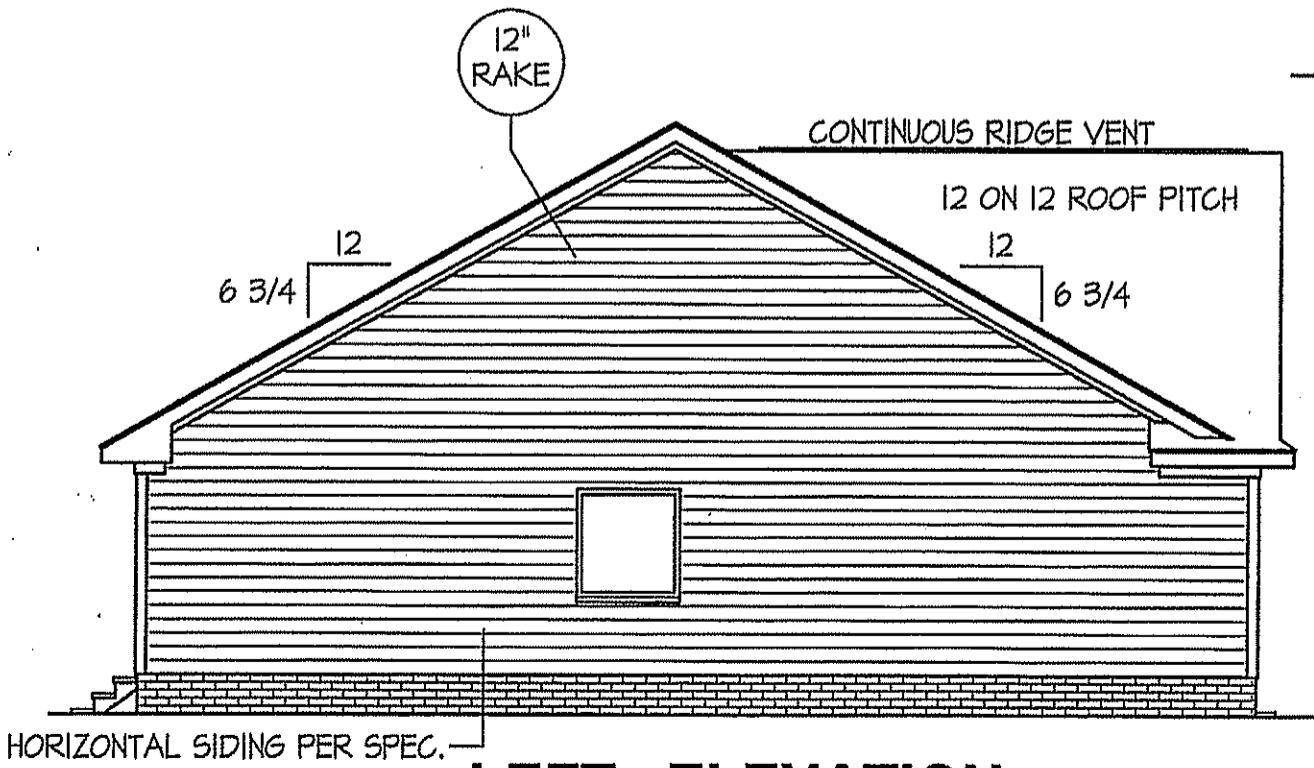


**REAR ELEVATION**  
SCALE: 1/8" = 1'-0"

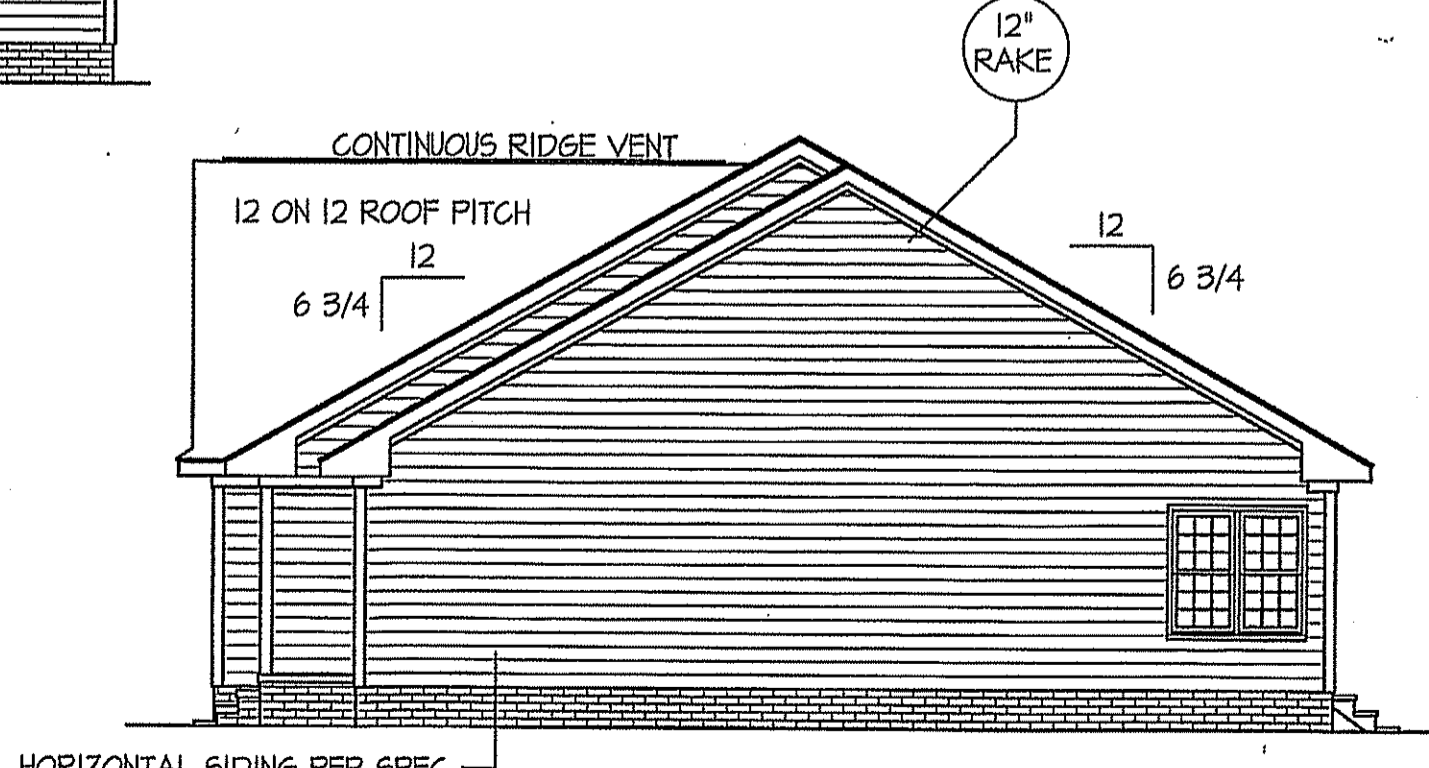
ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-MSP (7/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

ROOF VENTILATION REQ'MTS.  
2277 ATTIC SQ. FT. / 300 = 7.59

PROVIDED ON PLAN  
74 L.F. - RIDGE VENT = 13.87  
104 L.F. SOFFIT VENT = 6.5  
TOTAL = 20.37 S.F. FREE NET AREA

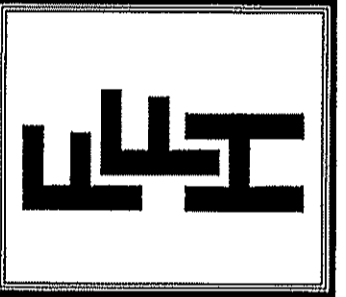


**LEFT ELEVATION**  
SCALE: 1/8" = 1'-0"



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

**FREEDOM FAMILY HOMES**  
P.O. BOX 608  
DUNN, N.C. - 28335  
O: (910) 892-1231 FAX: (910) 892-5680  
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EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
**Lillington-Garage Left**

SHEET NO.  
**1**

FILE: LILLINGTON PLAN- JUNE-2019

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

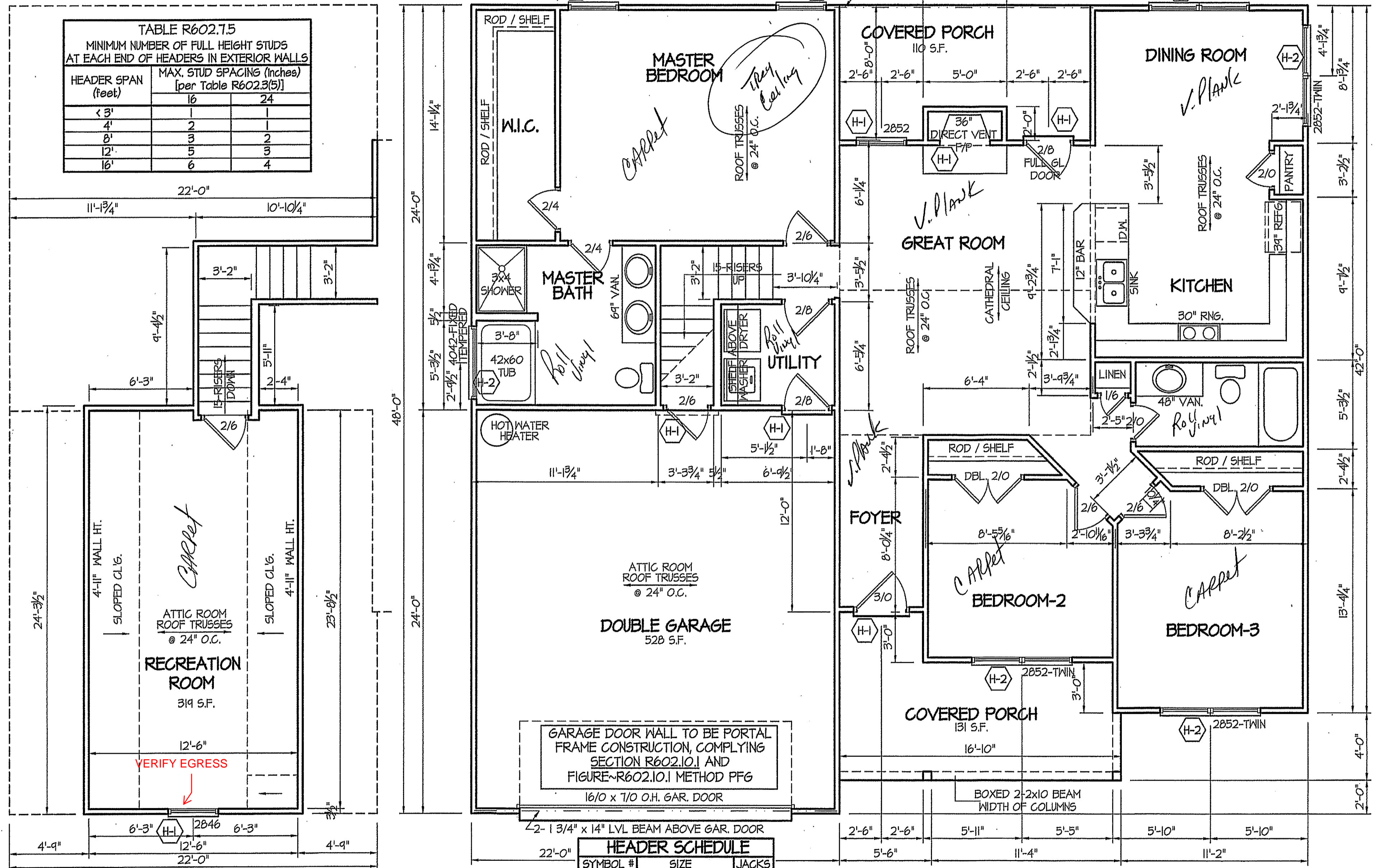
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.~R602.7 (1) AND INT.~R602.7 (2).

ALL EXTERIOR WALLS TO BE SHEATHED WITH OSB (7/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

DATE:  
SEPT.-2019

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



**RECREATION ROOM**  
319 S.F. - HEATED AREA  
SCALE: 1/4"=1'-0"

ALL INTERIOR AND EXTERIOR LOAD BEARING HEADERS WILL BE 2X10 #2 SPF UNLESS OTHERWISE NOTED.

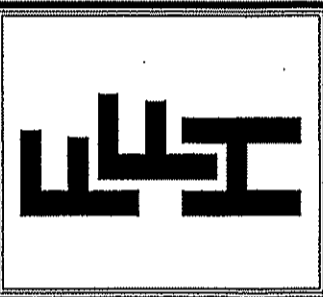
**HEADER SCHEDULE**

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

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"  
1530 S.F. - FIRST FLOOR ~ HEATED AREA

PLAN:  
**EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES**  
Lillington-Garage Left

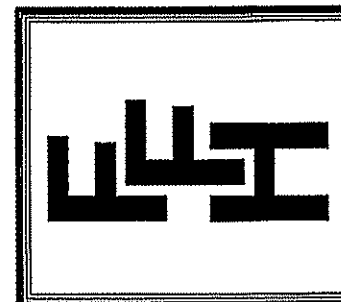


**EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES**  
Lillington-Garage Left

SHEET NO.  
**2**

DATE:  
SEPT.-2019

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EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
**Lillington-Garage Left**

PLAN:

SHEET NO.

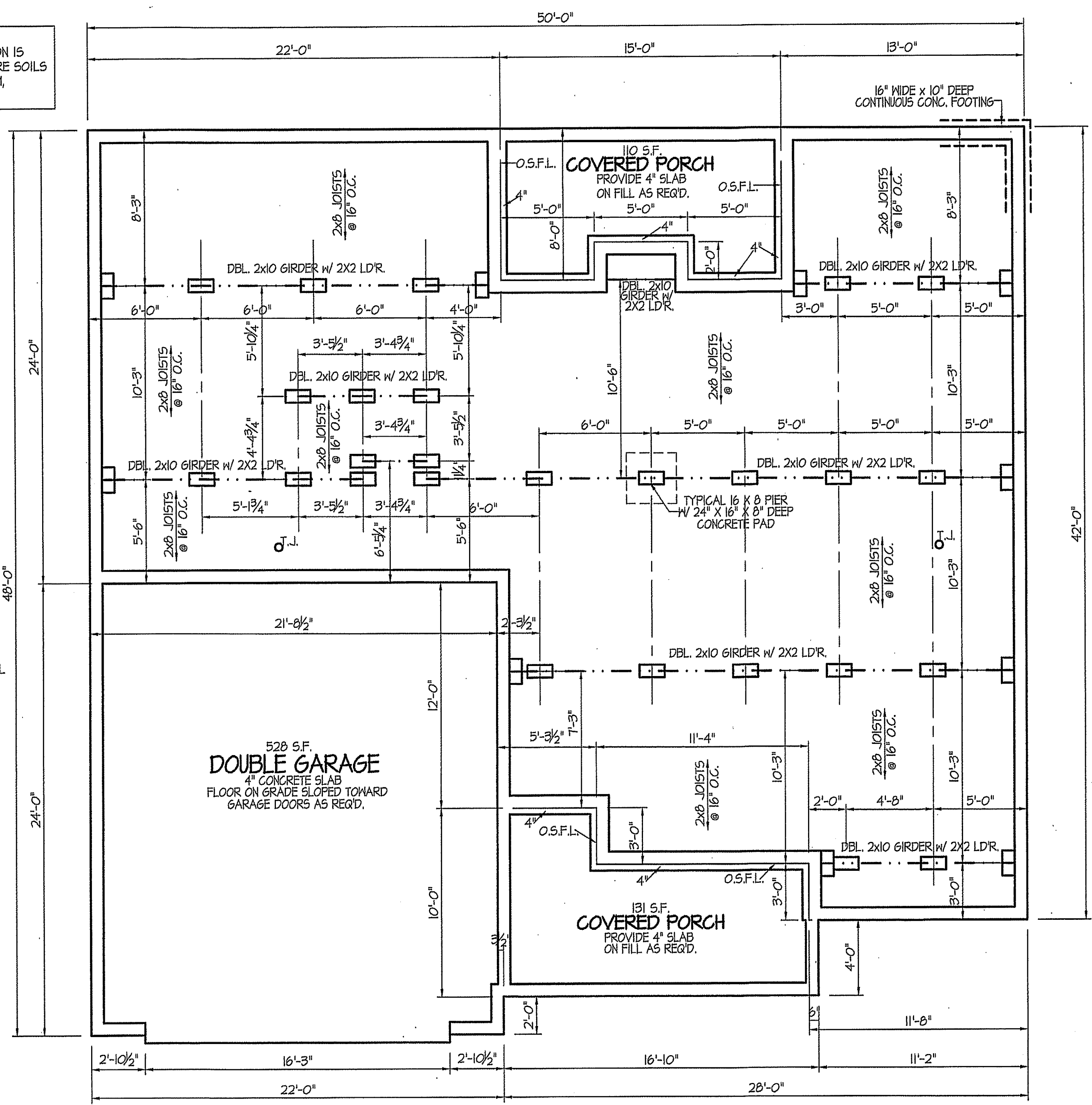
**3**

**FOUNDATION DRAINAGE EXCEPTION**  
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)  
1530 S.F. (CRAWL) x .96 = 1468.8 S.I.  
USE 23" WITTEN AUTO. VENT" FND. VENTS @ 65 S.I. FREE NET AREA or EQUIVALENT.  
(MIN. NET AREA CAN BE REDUCED TO 1/1500)  
1530 S.F. (CRAWL) x .096 = 146.88 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 SILL PLATE ON PERIMETER SHALL BE ANCHORED TO THE FOUNDATION WALLS WITH ANCHOR BOLTS SPACED A MAXIMUM OF 4' ON CENTER. ANCHOR BOLTS SHALL ALSO BE LOCATED WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. BOLTS SHALL BE AT LEAST 1/2" IN DIAMETER AND SHALL EXTEND A MINIMUM OF 15" INTO MASONRY OR CONCRETE. BOLTS CAN BE SUBSTITUTED WITH SIMPSON-MAS STRAPS @ 4' O.C.

**NOTES:**  
USE 2 X 6 MUD SILL W/ SGL. 2X8 BANDS ON 8" WALLS  
PROVIDE ANCHOR BOLTS PER NC STATE CODE  
USE DBL. 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")  
HOLD ALL PIERS 1/2" BELOW FND. WALLS.

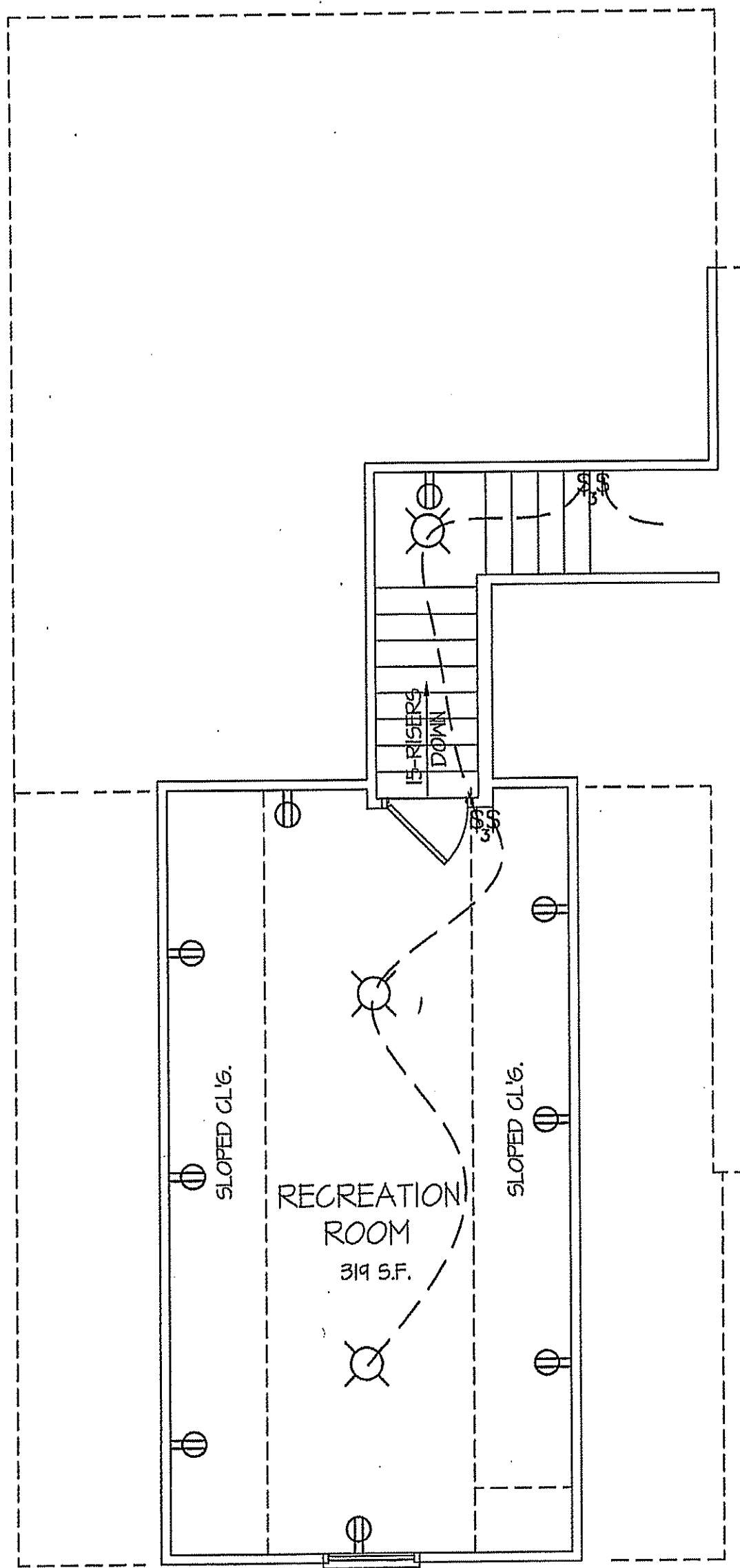


ALL JOISTS AND GIRDERS WILL BE #2 S.Y.P.  
JOIST SPANS TO COINCIDE WITH REVISED TABLES R502.3.1(1) and R502.3.1(2) FROM 2018 NCR CODES  
GIRDER SPANS AND HEADER SPANS TO COINCIDE WITH TABLE R602.7(1), R602.7(2) AND R602.7(3).

**FOUNDATION PLAN**  
SCALE: 1/4"=1'-0"  
1530 S.F. - FIRST FLOOR ~ HEATED AREA

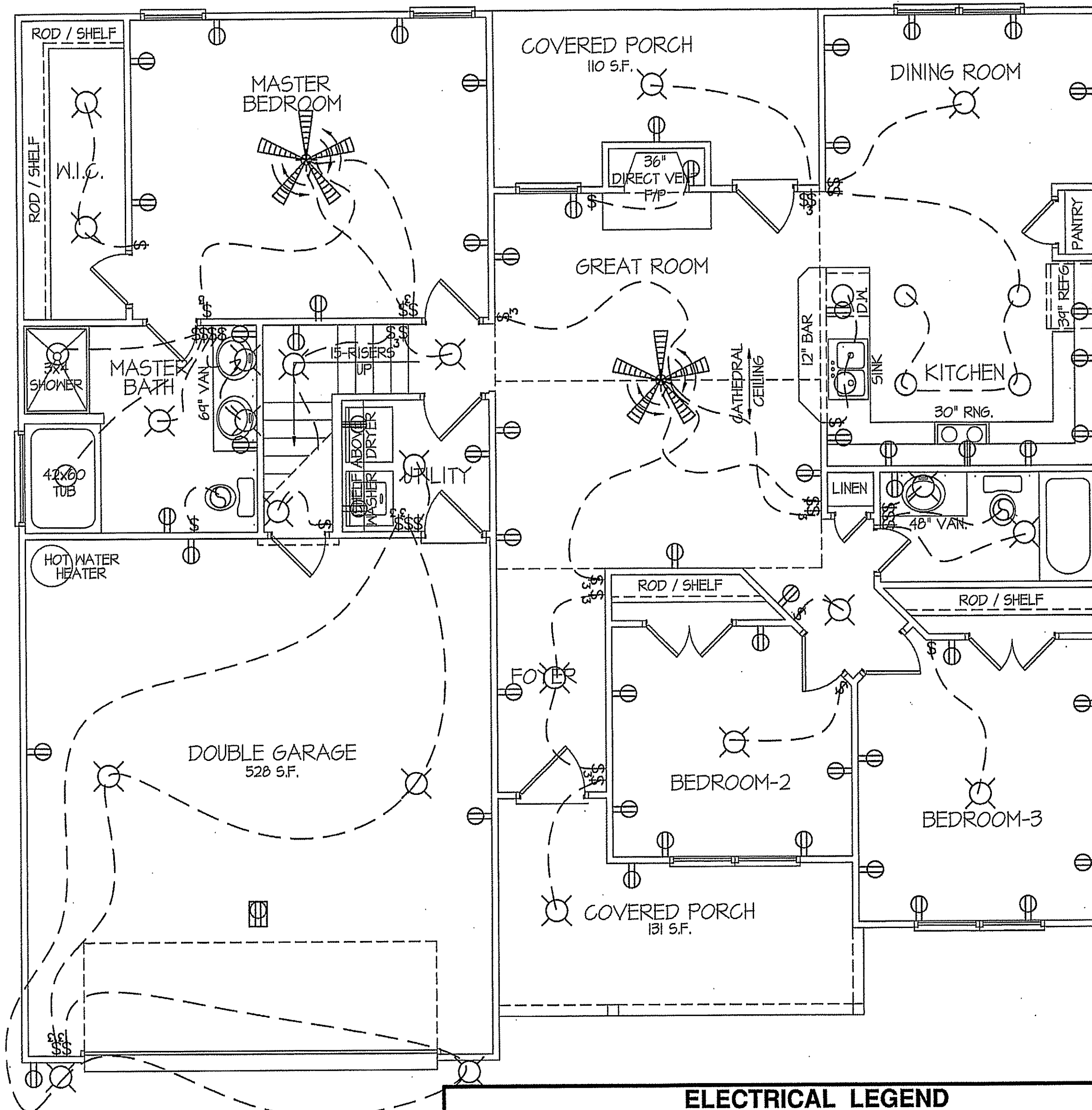
FILE: LILLINGTON PLAN- JUNE-2014

FILE: LILLINGTON PLAN- JUNE-2019



# RECREATION ROOM

319 S.F. - HEATED AREA  
SCALE: 1/4"=1'-0"



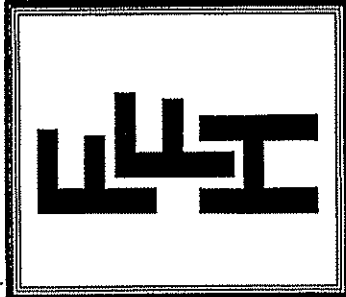
# FLOOR PLAN

8' CEILINGS UNLESS OTHERWISE NOTED  
1530 S.F. - FIRST FLOOR ~ HEATED AREA  
SCALE: 1/4"=1'-0"

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 RECEPT.	⊖ 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 RECEPT.	⊖ ELEC. PANEL BOX
⊖ FLUOR. LIGHT FIXTURE	⊖ GROUND FAULT	⊖ T.V. CABLE RECEPT.
⊖ EXHAUST FAN	⊖ DISPOSAL UNIT	⊖ TELEPHONE JACK
⊖ CL'G. FAN	⊖ 220 VOLT RECEPTACLE	⊖ COMPUTER JACK
⊖ FLOOD LIGHT		

DATE:  
SEPT.-2019

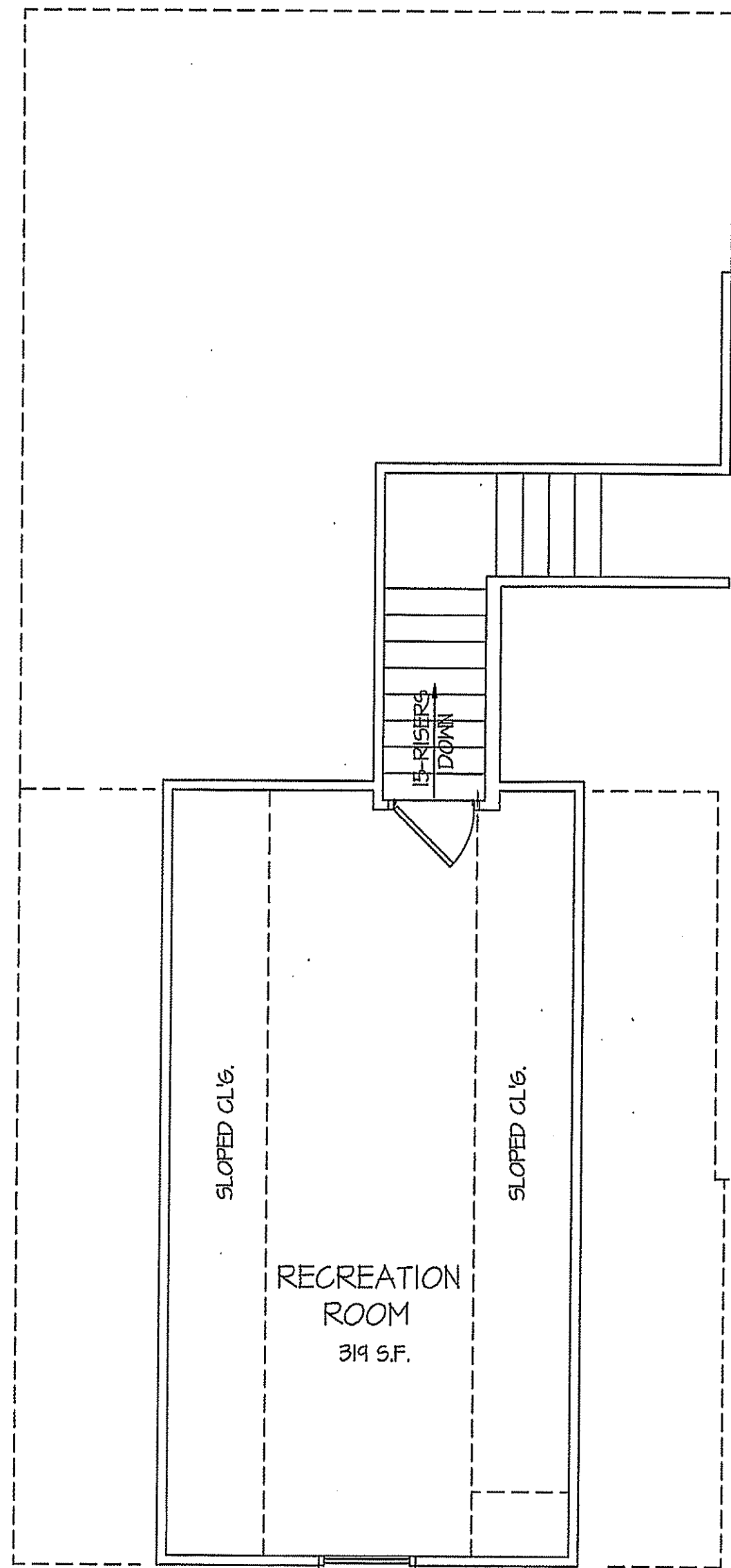
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FREEDOM FAMILY HOMES  
**Lillington-Garage Left**

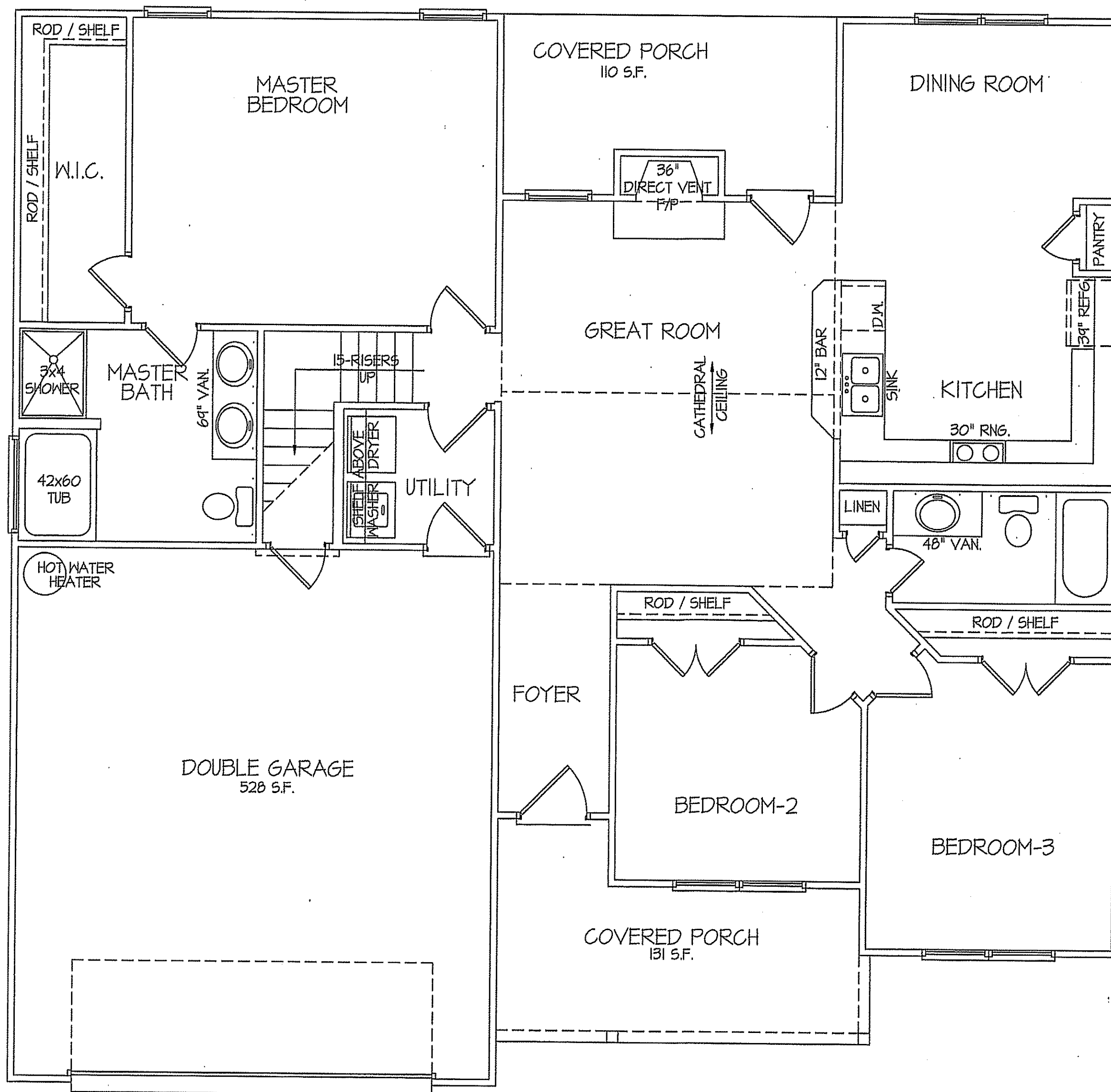
SHEET NO.  
**4**

FILE: LILLINGTON PLAN- JUNE-2014



**RECREATION ROOM**  
 SCALE: 1/4"=1'-0"  
 314 S.F. - HEATED AREA

TOTAL HEAT GAIN = 6,763 B.T.U.H.  
 TOTAL HEAT LOSS = 9,602 B.T.U.H.



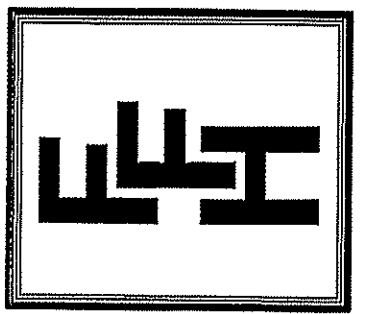
8' CEILINGS UNLESS OTHERWISE NOTED  
**FLOOR PLAN**  
 SCALE: 1/4"=1'-0"  
 1530 S.F. - FIRST FLOOR ~ HEATED AREA

TOTAL HEAT GAIN = 32,283 B.T.U.H.  
 TOTAL HEAT LOSS = 46,206 B.T.U.H.

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

DATE:  
 SEPT.-2019

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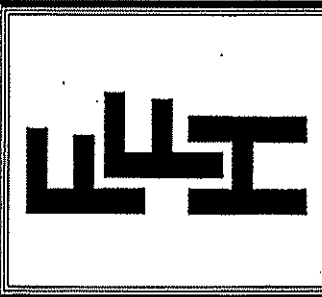


**EXCLUSIVE PLAN FOR  
 FREEDOM FAMILY HOMES**  
**Lillington-Garage Left**

SHEET NO.  
**5**

DATE:  
SEPT.-2019

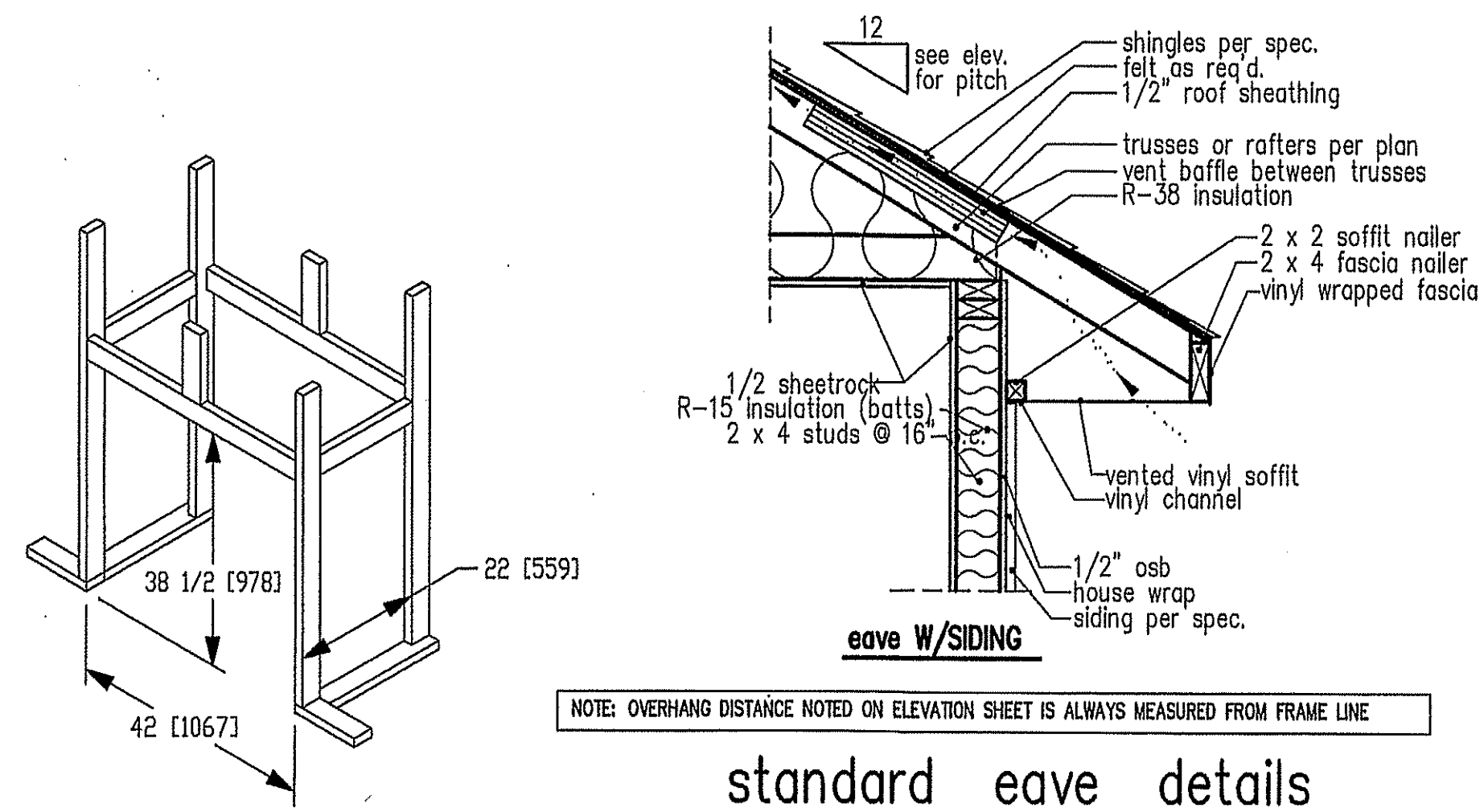
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**EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES**  
**Lillington**

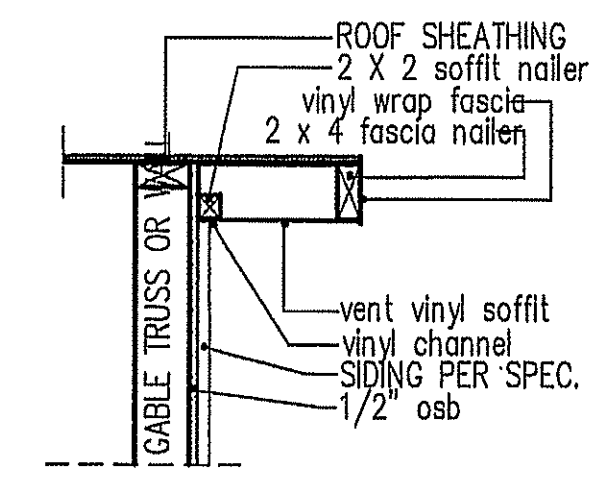
PLAN:

SHEET NO.  
**6**



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

**standard eave details**



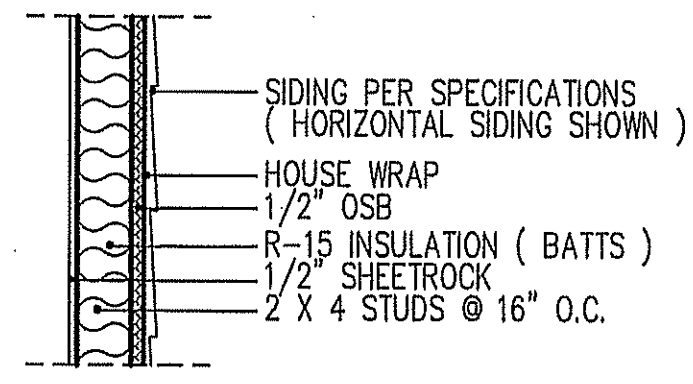
**RAKE w/SIDING**

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

DIMENSIONS IN [ ] ARE MM

Model 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.



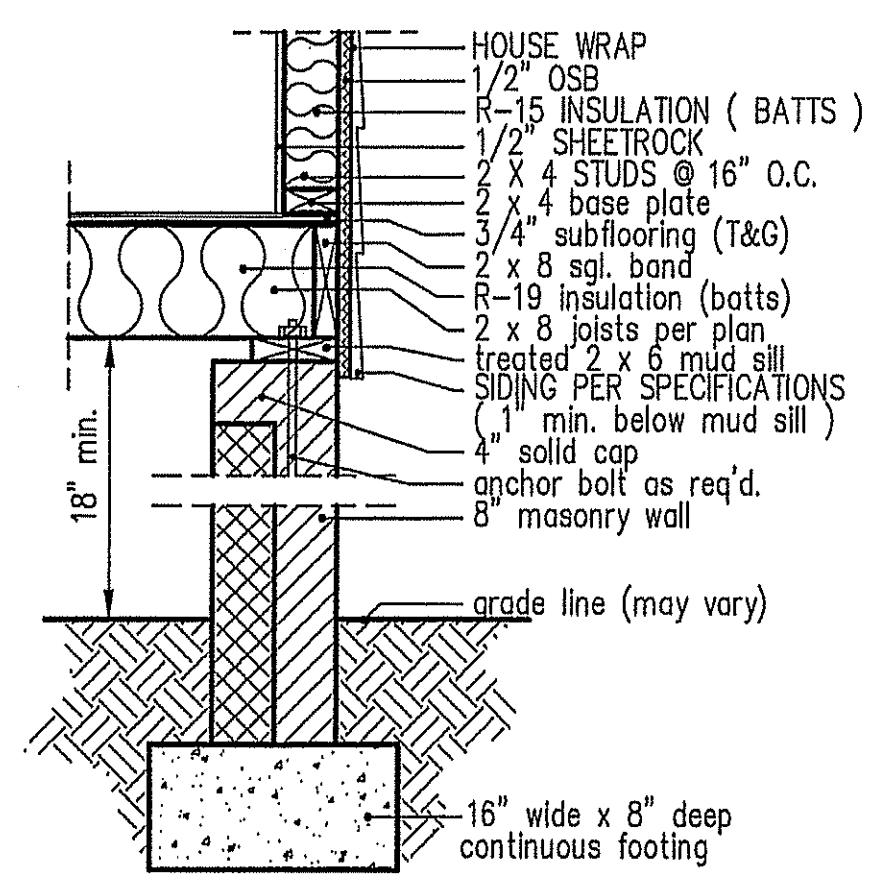
**WALL w/siding**

**intermediate  
wall details**

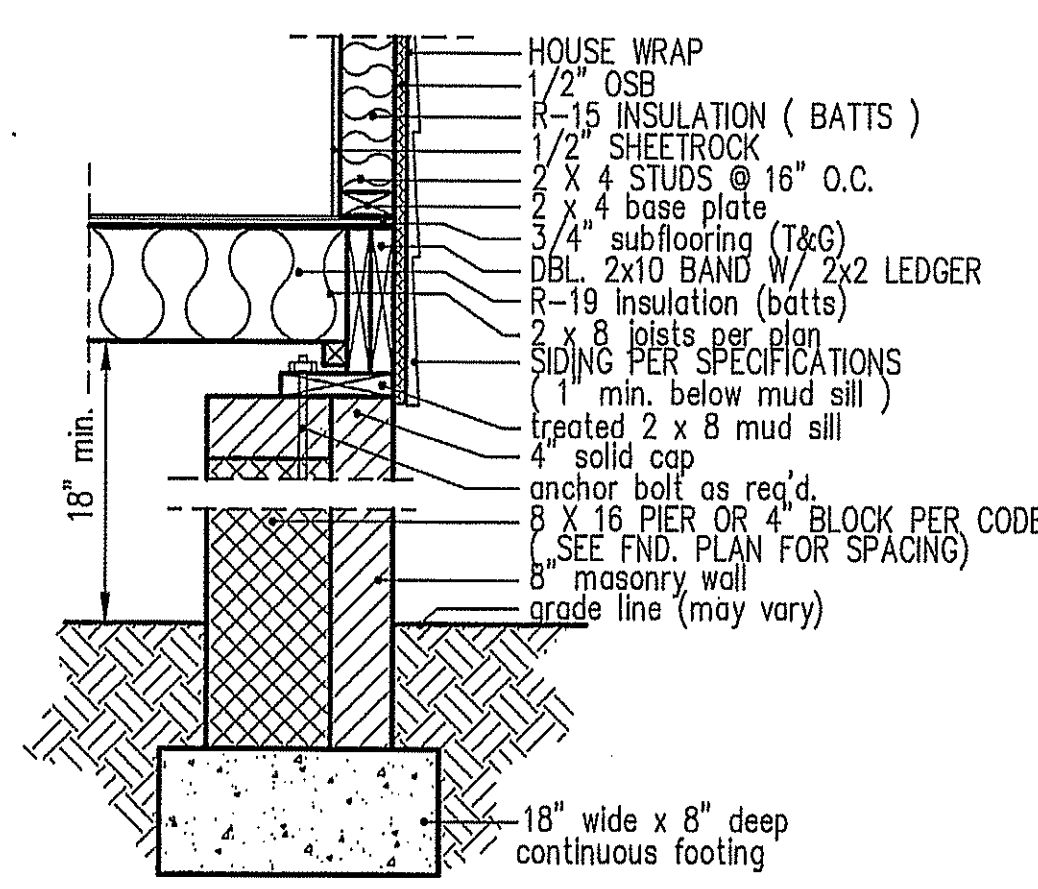
TABLE R602.1.5  
MINIMUM NUMBER OF FULL HEIGHT STUDS  
AT EACH END OF HEADERS IN EXTERIOR WALLS

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

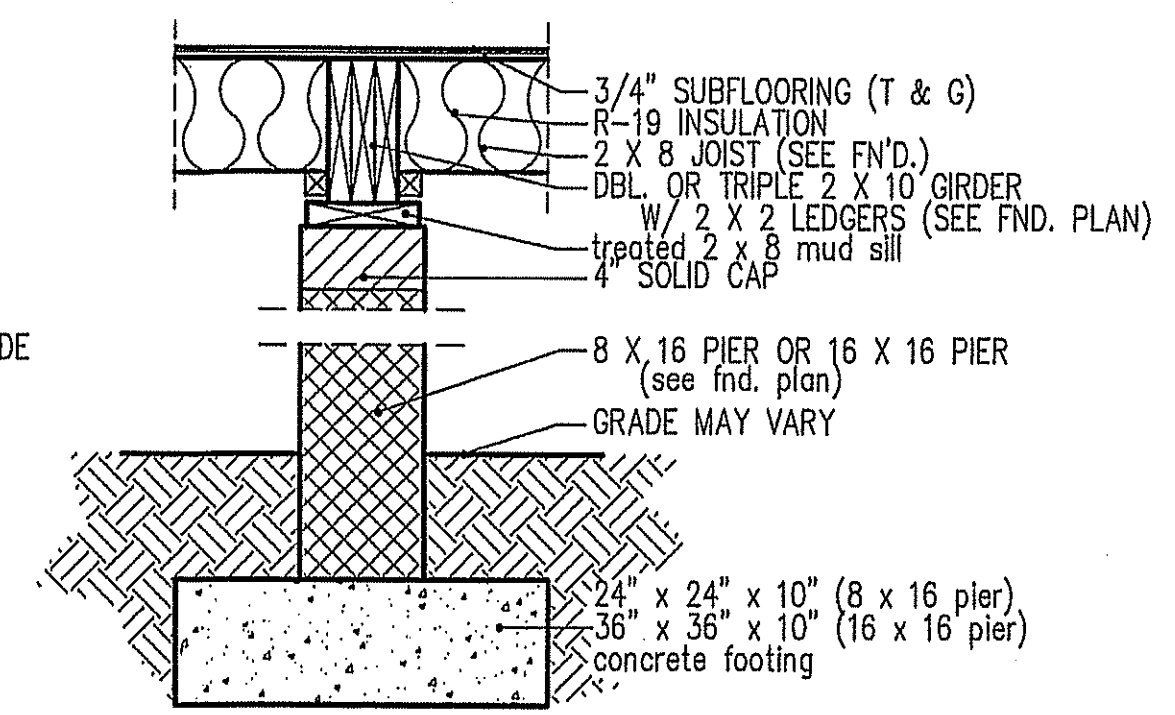
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.-R602.1 (1) AND INT.-R602.1 (2).



**8" BOX SILL  
FOUNDATION WALL**

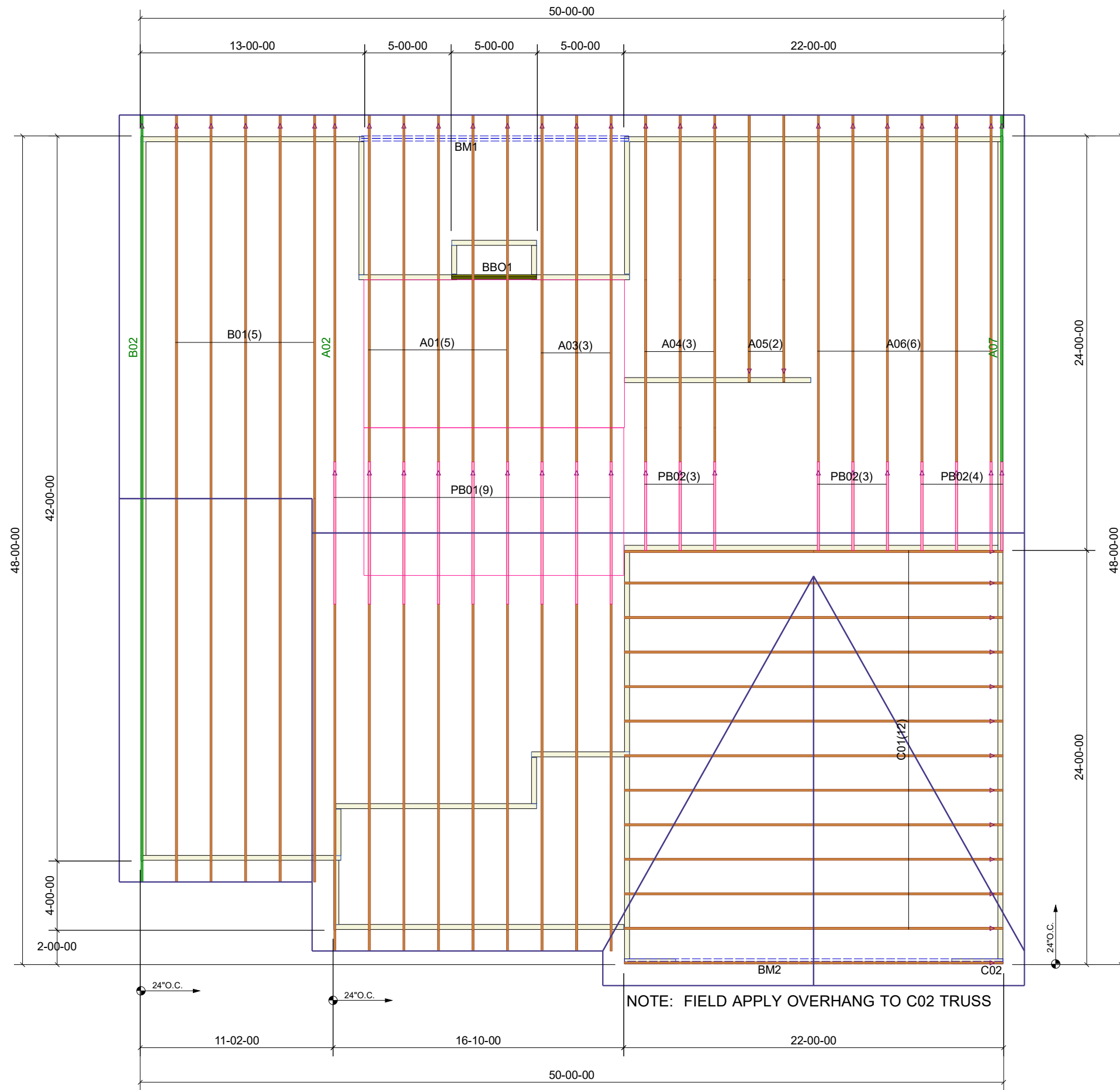


**PIER and CURTAIN  
FOUNDATION WALL**



**PIER and GIRDER  
DETAIL**

FILE: LILLINGTON PLAN- JUNE-2019



Products						
PlotID	Length	Product	Plies	Net Qty	Fab Type	
BM2	22-00-00	1-3/4X14 LP-LVL 2900Fb-2.0E	2	2	MFD	
BM1	16-00-00	1-3/4X14 LP-LVL 2900Fb-2.0E	2	2	MFD	



### ROOF DATA

Roof Area	8000.31 ft <sup>2</sup> SF
Overhang Length:	84.42 LF
Eave Length:	196.59 LF
Hip Length:	0 LF
Valley Length:	55.47 LF
Ridge Length:	76.12 LF

**THIS IS A TRUSS PLACEMENT DIAGRAM ONLY**

These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult "Bracing of Wood Trusses" available from the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53179.

**SHOP DRAWING APPROVAL**

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

REVIEWED BY: \_\_\_\_\_ APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

Job #:	200675RT1
Customer:	GARRIS EVANS LUMBER CO
Site Address:	
City, ST, ZIP:	
Plan:	FFH - LILLINGTON
Date:	5/1/2020
Sales Rep:	JSL
Designer:	ET

