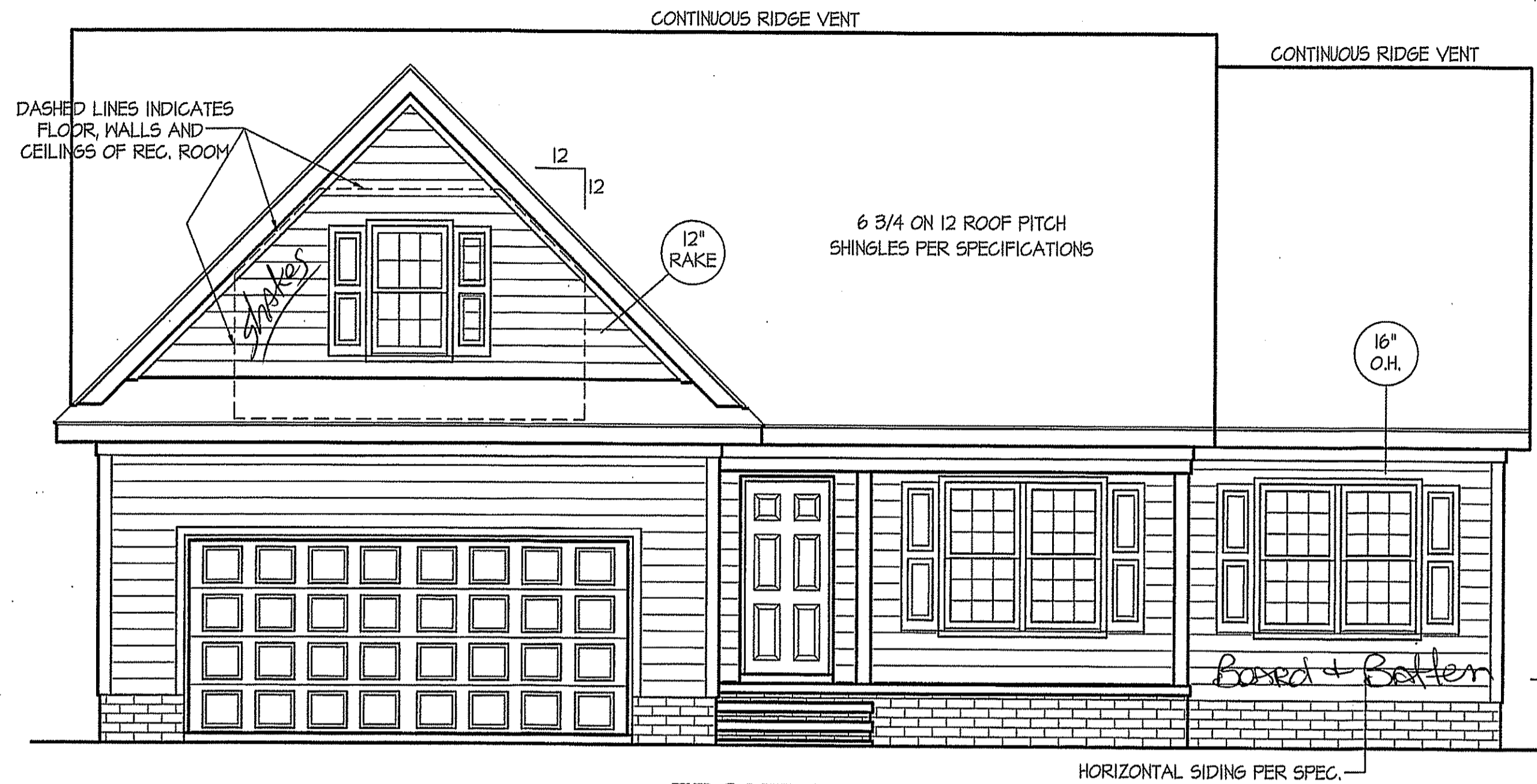


27 Planters Glen

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

DATE:
SEPT.-2019



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

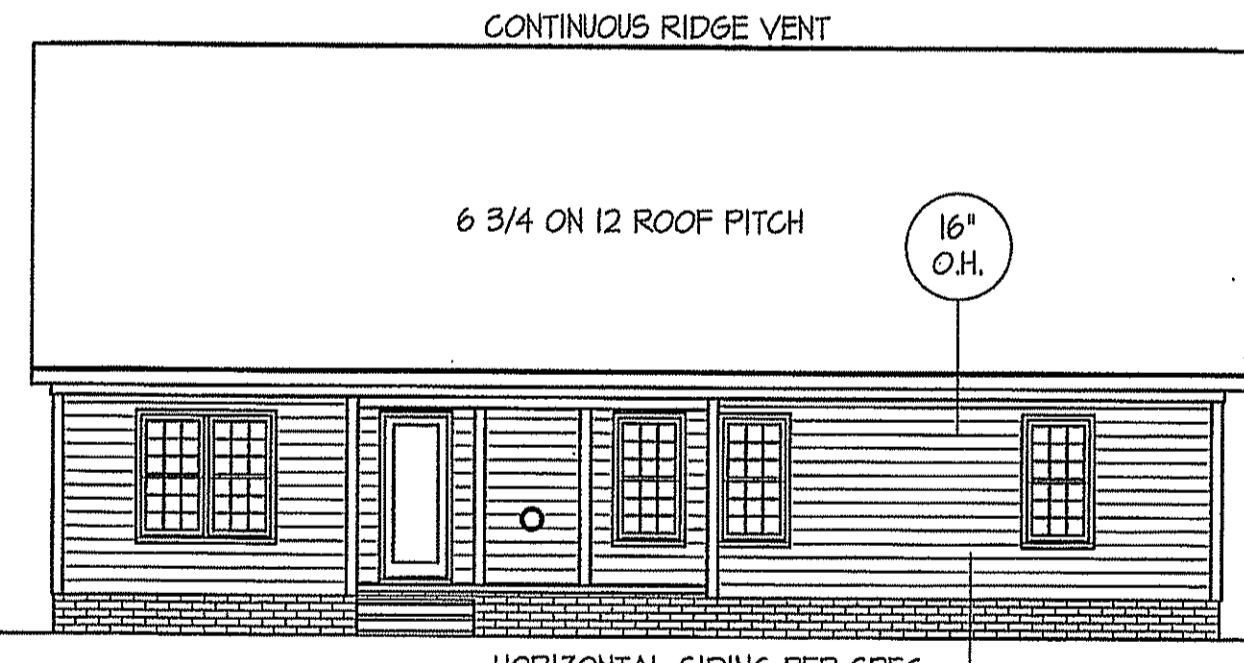
COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

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

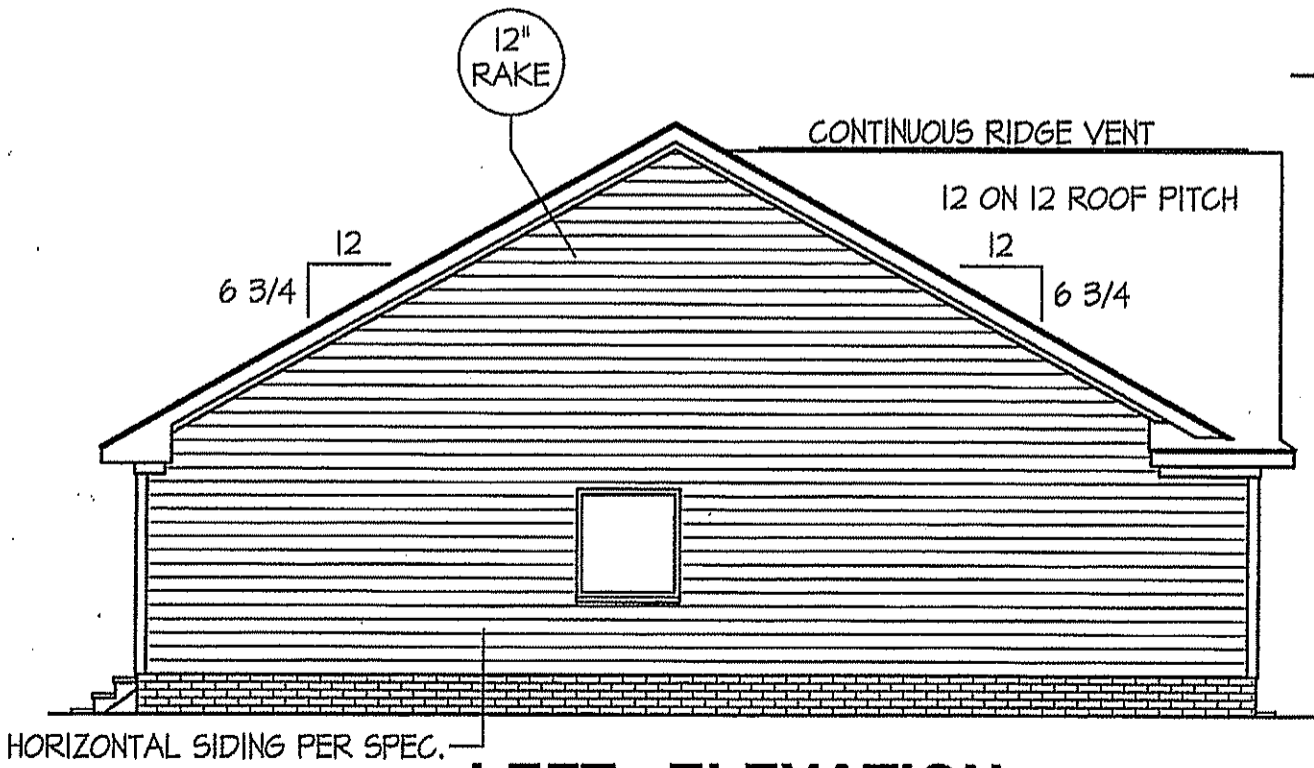
PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY



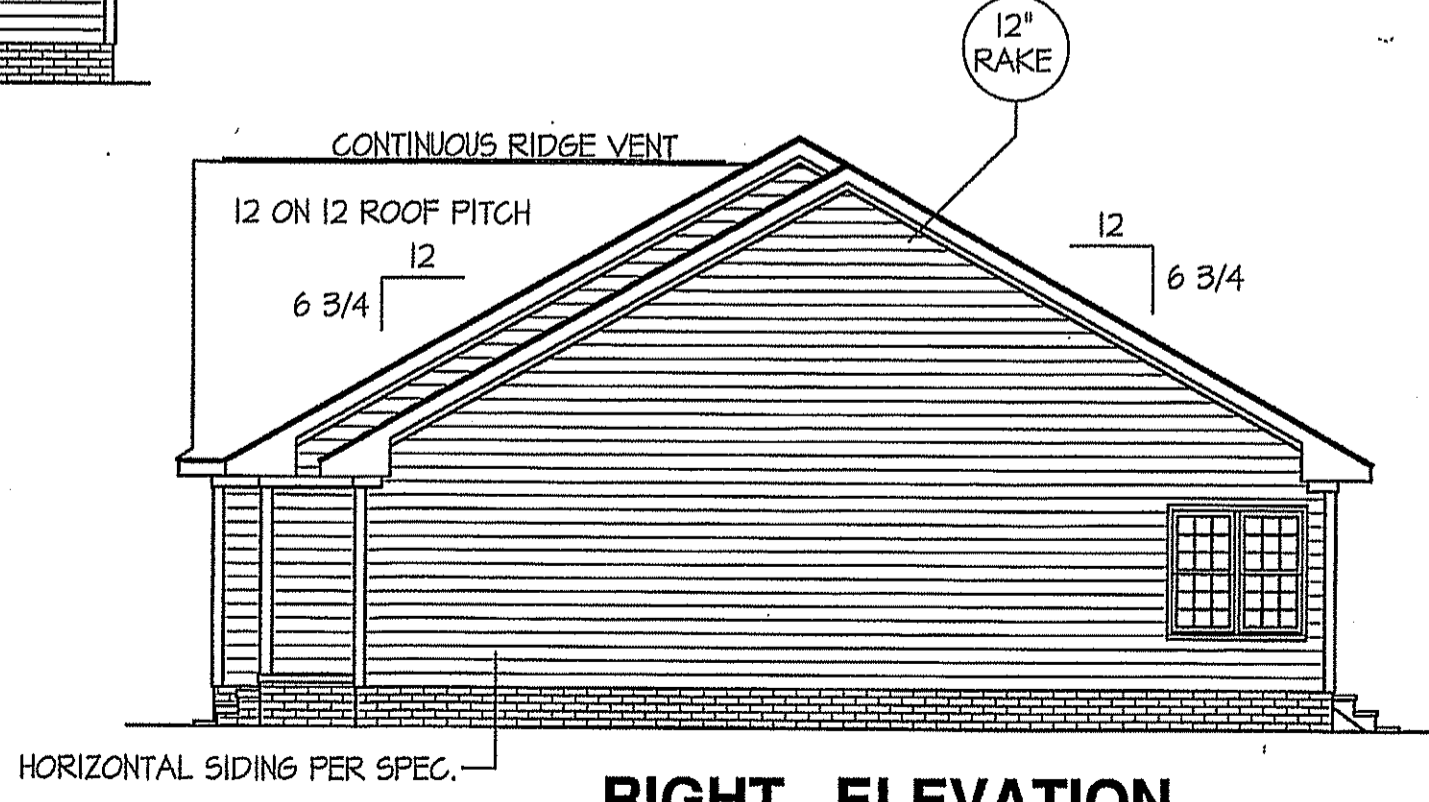
REAR ELEVATION
SCALE: 1/8" = 1'-0"

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

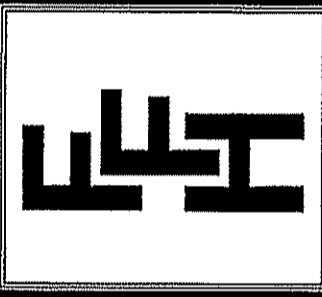


LEFT ELEVATION
SCALE: 1/8" = 1'-0"



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
© 2019, FREEDOM FAMILY HOMES



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

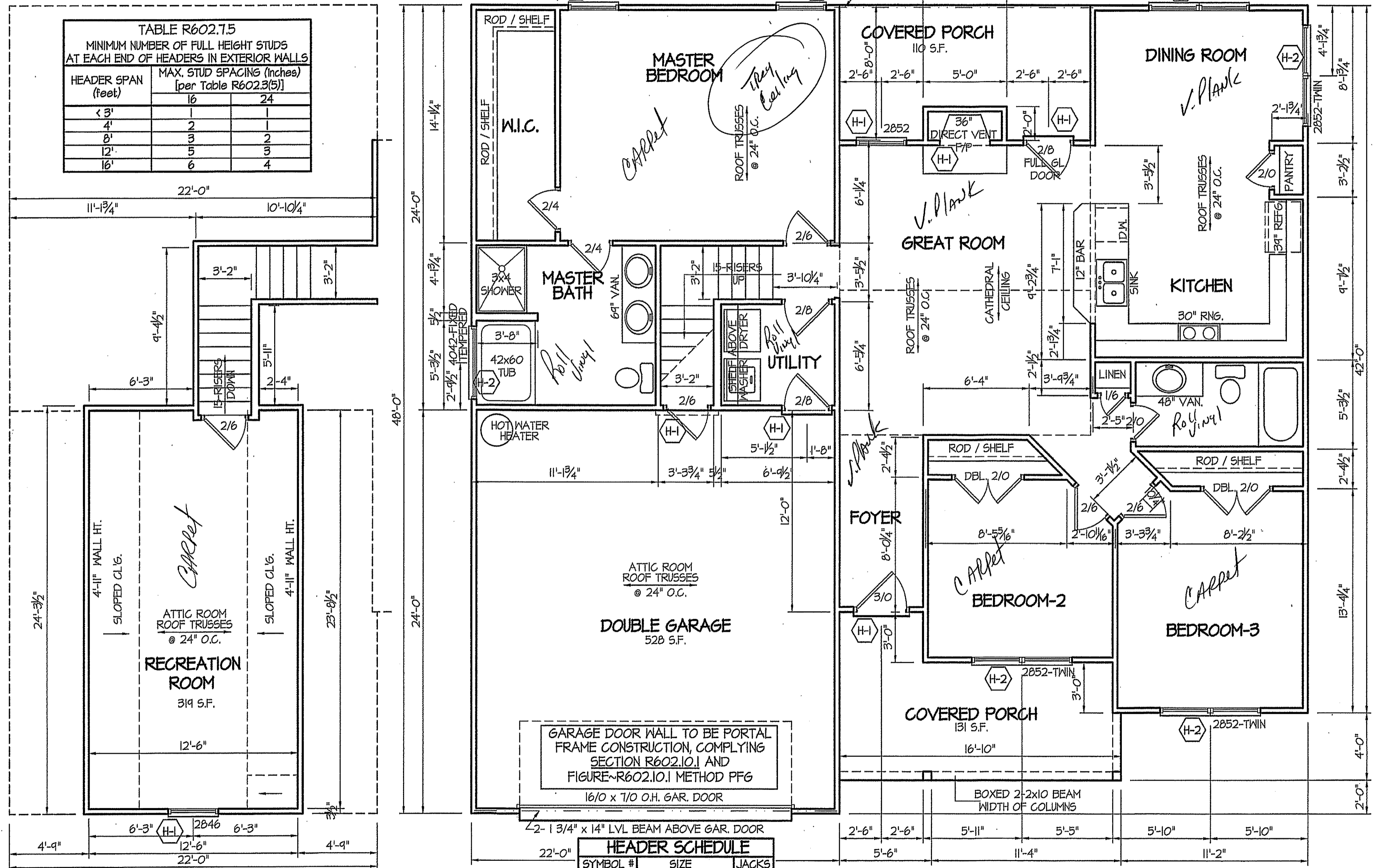
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.~R602.7 (1) AND INT.~R602.7 (2).

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.

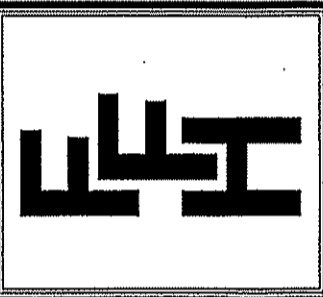
HEADER SCHEDULE

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

FREEDOM FAMILY HOMES
P.O. BOX 608
DUNN, N.C. - 28335
C: (910) 892-1231 FAX: (910) 892-5680
©2019, FREEDOM FAMILY HOMES.



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

PLAN:

SHEET NO.

3

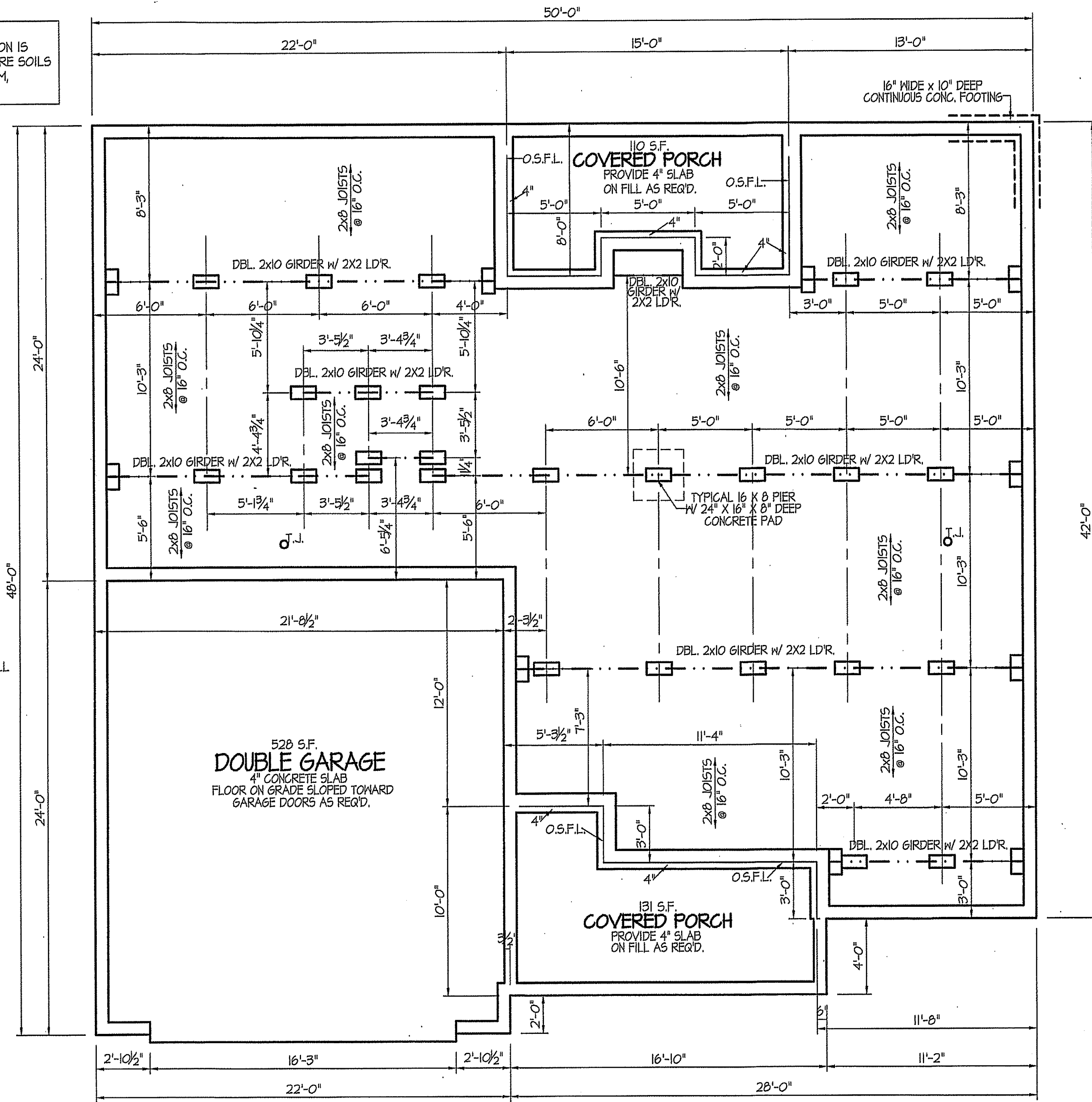
FOUNDATION DRAINAGE EXCEPTION
A DRAINAGE SYSTEM IS NOT REQUIRED WHEN THE FOUNDATION IS INSTALLED ON WELL-DRAINED GROUND OR SAND-GRAVEL MIXTURE SOILS ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM, GROUP 1 SOILS, AS DETAILED IN TABLE R405.1

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.

FILE: LILLINGTON PLAN- JUNE-2014

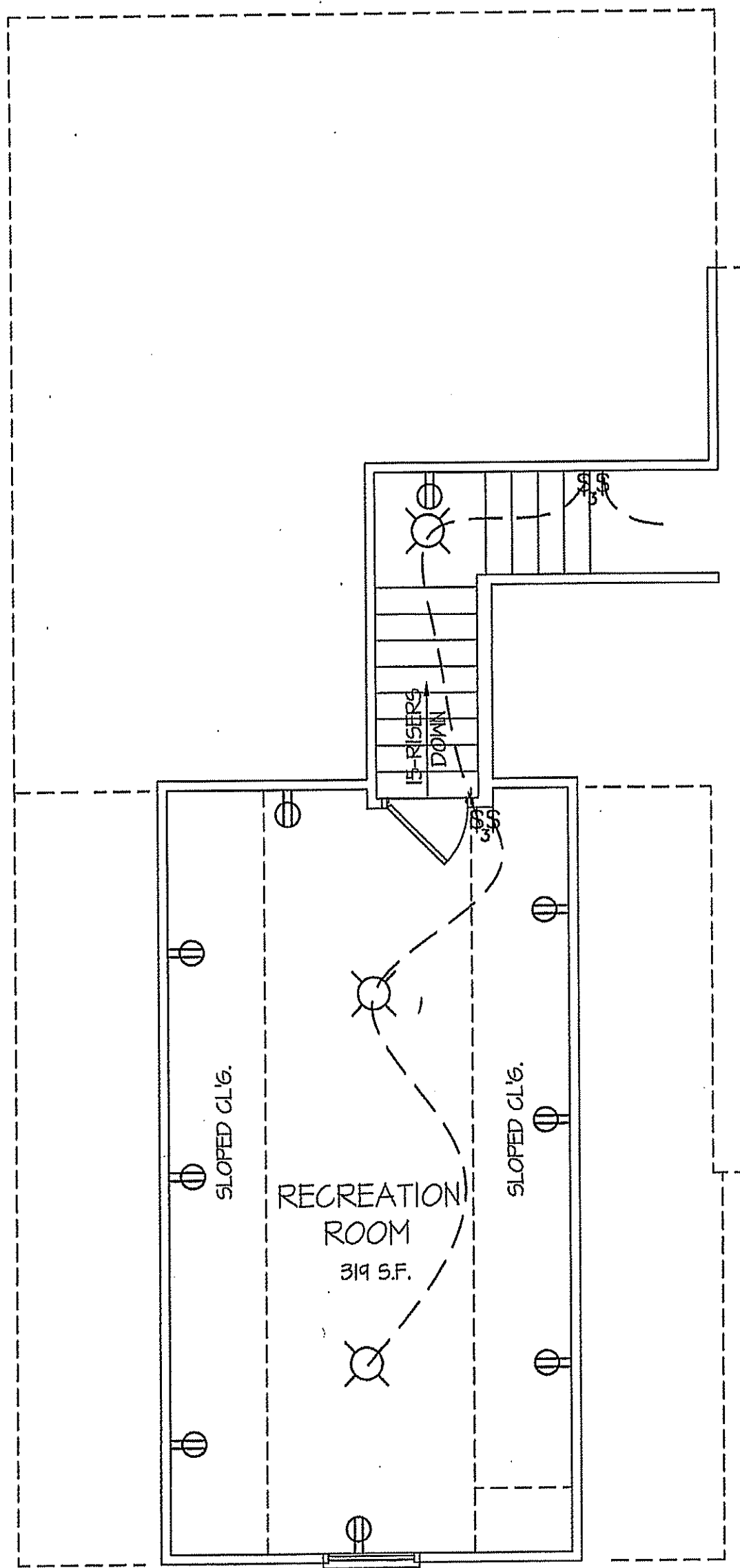


ALL JOISTS AND GIRDERS WILL BE #2 S.Y.P.
JOIST SPANS TO COINCIDE WITH REVISED TABLES R502.3.1(1) AND R502.3.1(2) FROM 2018 NCR CODES
GIRDER SPANS AND HEADER SPANS TO COINCIDE WITH TABLE R602.7(1), R602.7(2) AND R602.7(3).

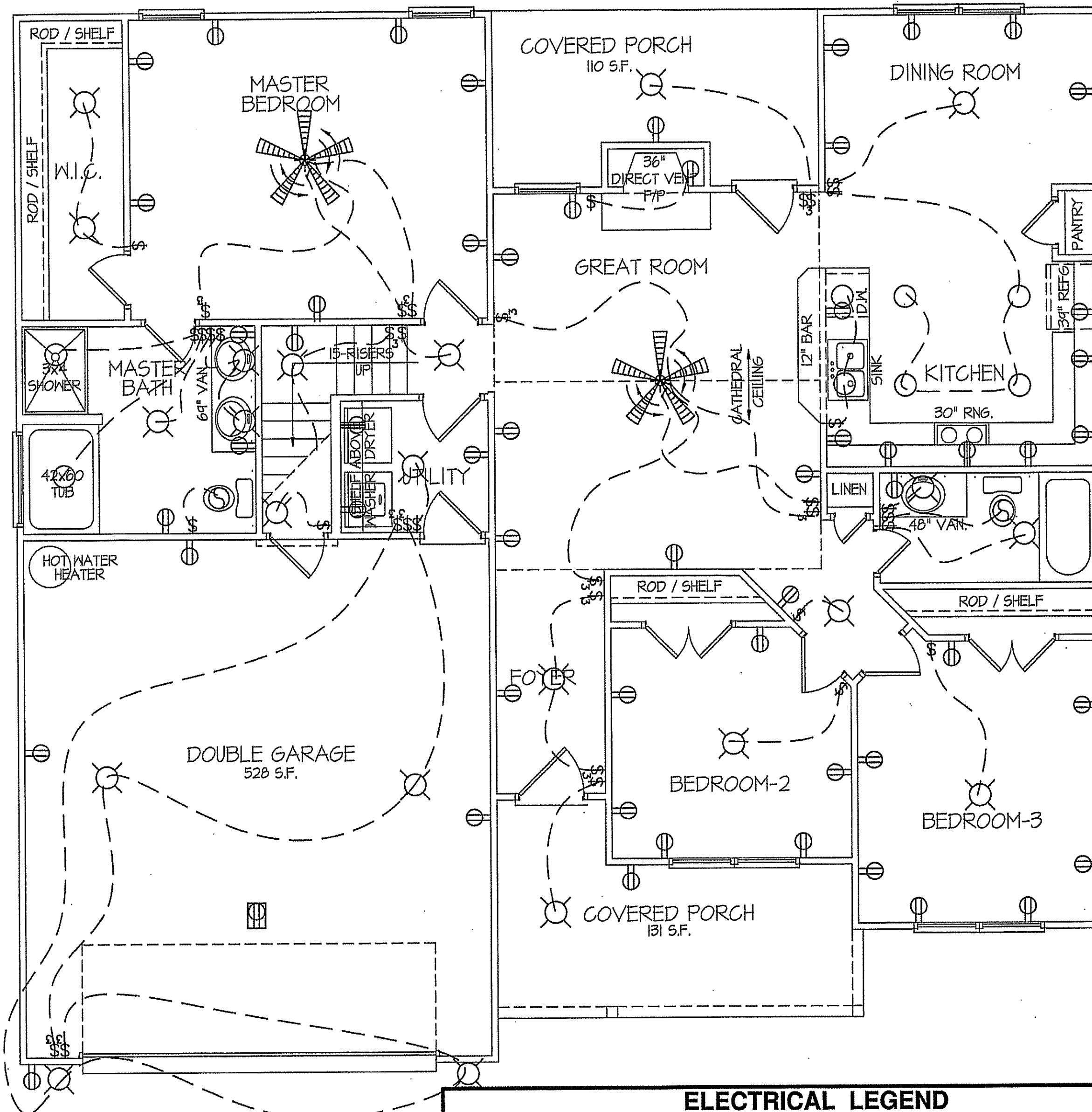
FOUNDATION PLAN

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

FILE: LILLINGTON PLAN- JUNE-2019



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

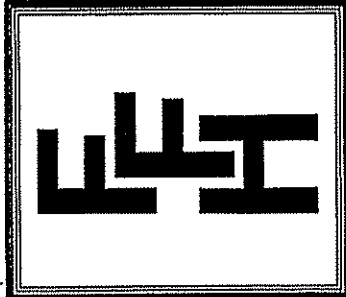


8' CEILINGS UNLESS OTHERWISE NOTED
FLOOR PLAN
1530 S.F. - FIRST FLOOR ~ HEATED AREA
SCALE: 1/4"=1'-0"

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

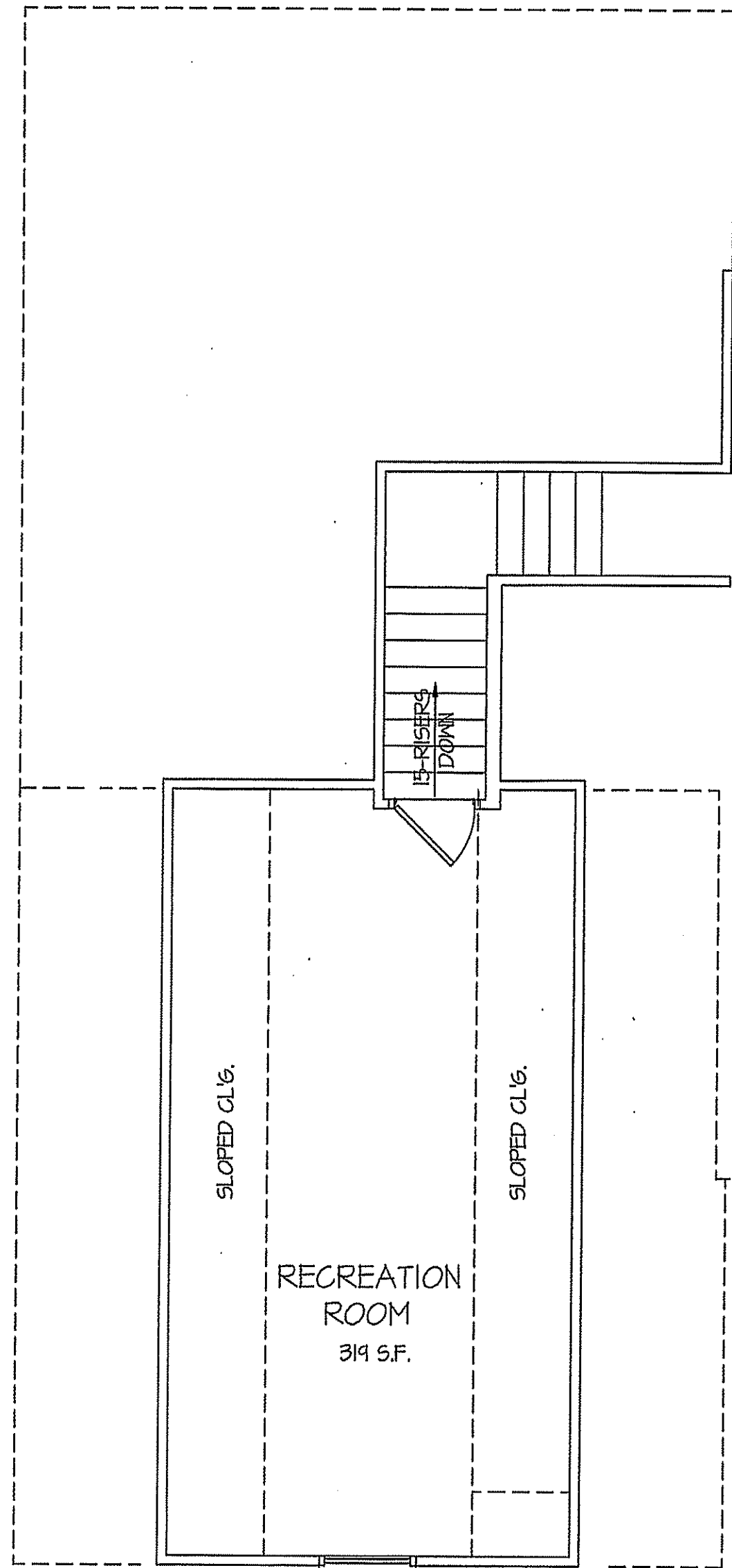
FREEDOM FAMILY HOMES
P.O. BOX 608
DUNN, N.C. - 28335
O: (910) 892-1231 FAX: (910) 892-5680
© 2019, FREEDOM FAMILY HOMES



EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
Lillington-Garage Left

SHEET NO.
4

FILE: LILLINGTON PLAN- JUNE-2014

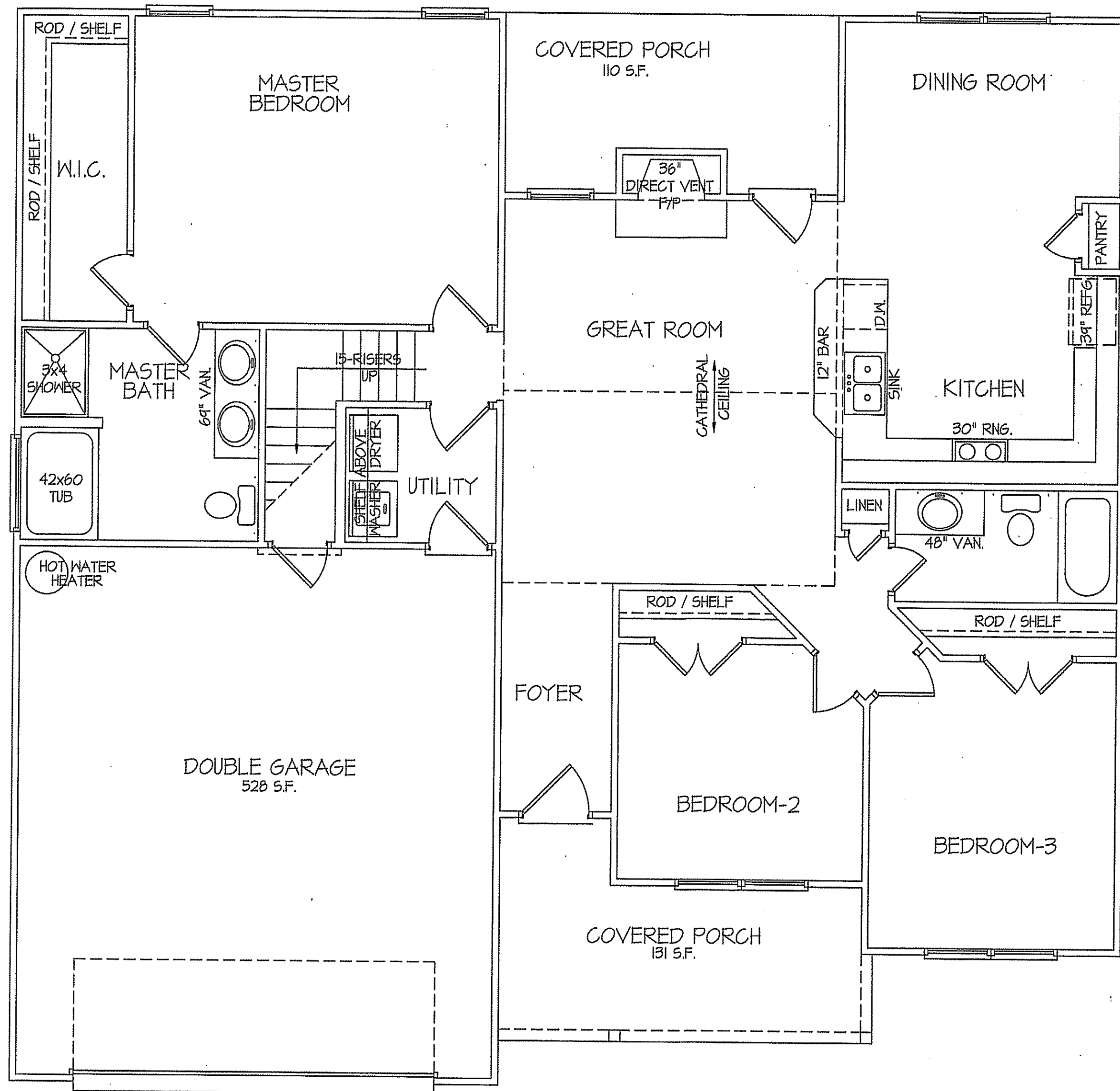


RECREATION ROOM

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"

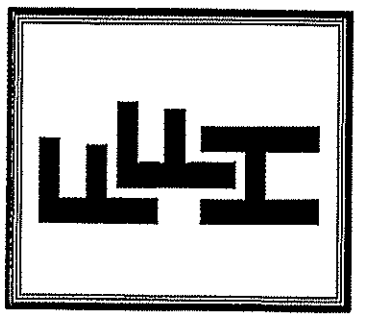
1530 S.F. - FIRST FLOOR ~ HEATED AREA

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

FREEDOM FAMILY HOMES
P.O. BOX 608
DUNN, N.C. - 28335
O: (910) 892-1231 FAX: (910) 892-5680
©2019, FREEDOM FAMILY HOMES

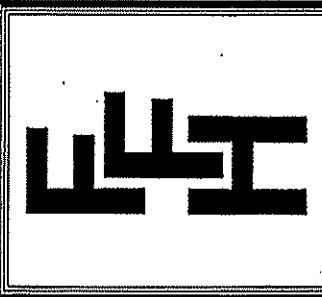


EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
Lillington-Garage Left

SHEET NO.
5

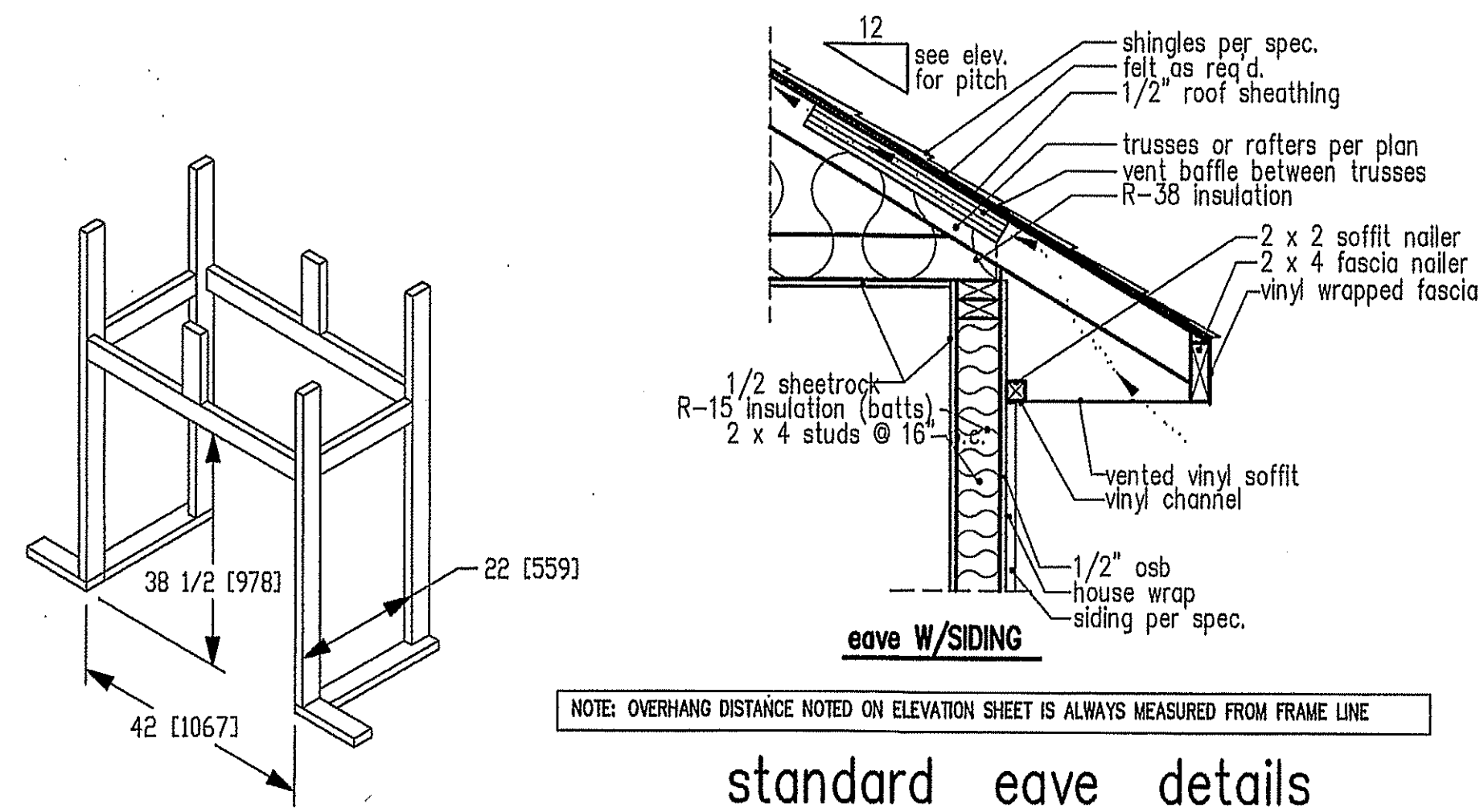
DATE:
SEPT.-2019

FREEDOM FAMILY HOMES
P.O. BOX 608
DUNN, N.C. - 28335
O: (910) 892-1231 FAX: (910) 892-5680
© 2019, FREEDOM FAMILY HOMES



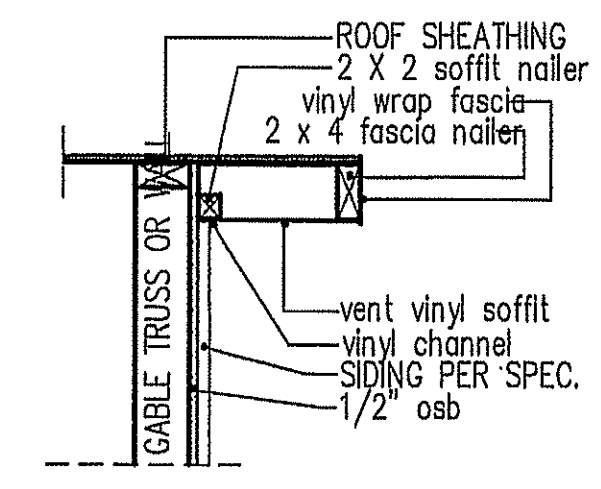
**EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES**
Lillington
PLAN:

SHEET NO.
6



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

standard eave details



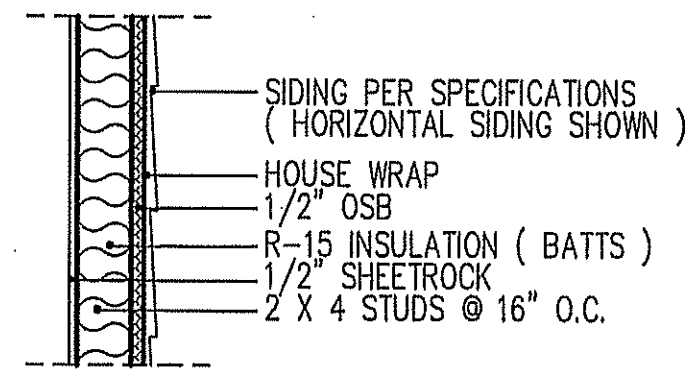
RAKE w/SIDING

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.



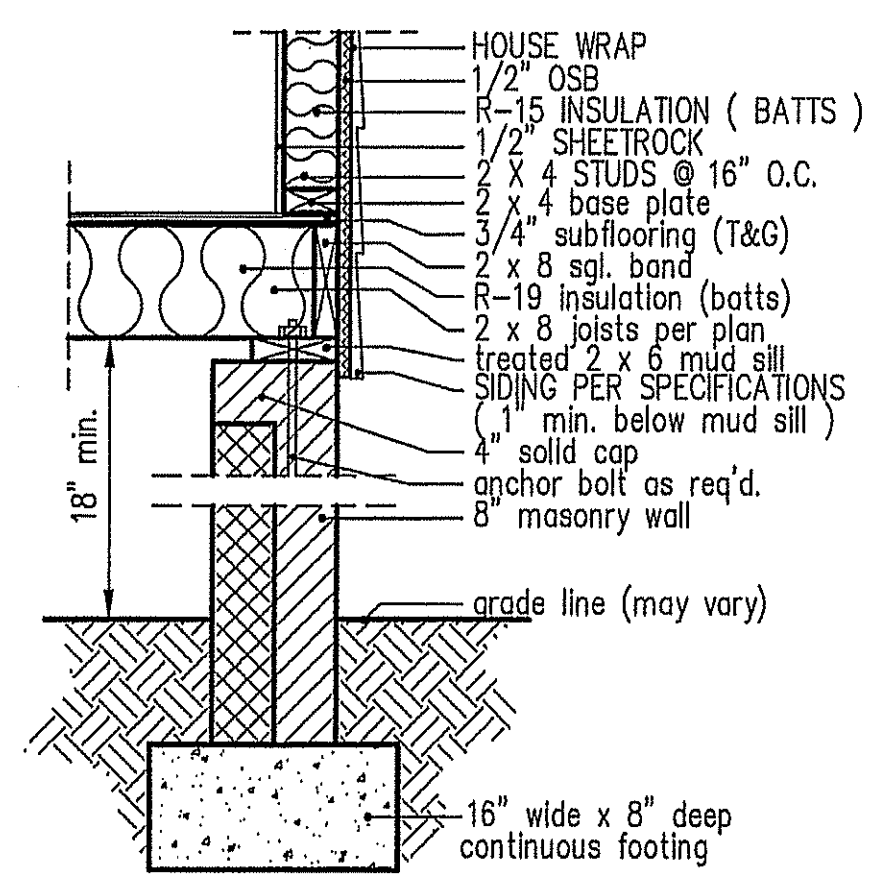
WALL w/siding

**intermediate
wall details**

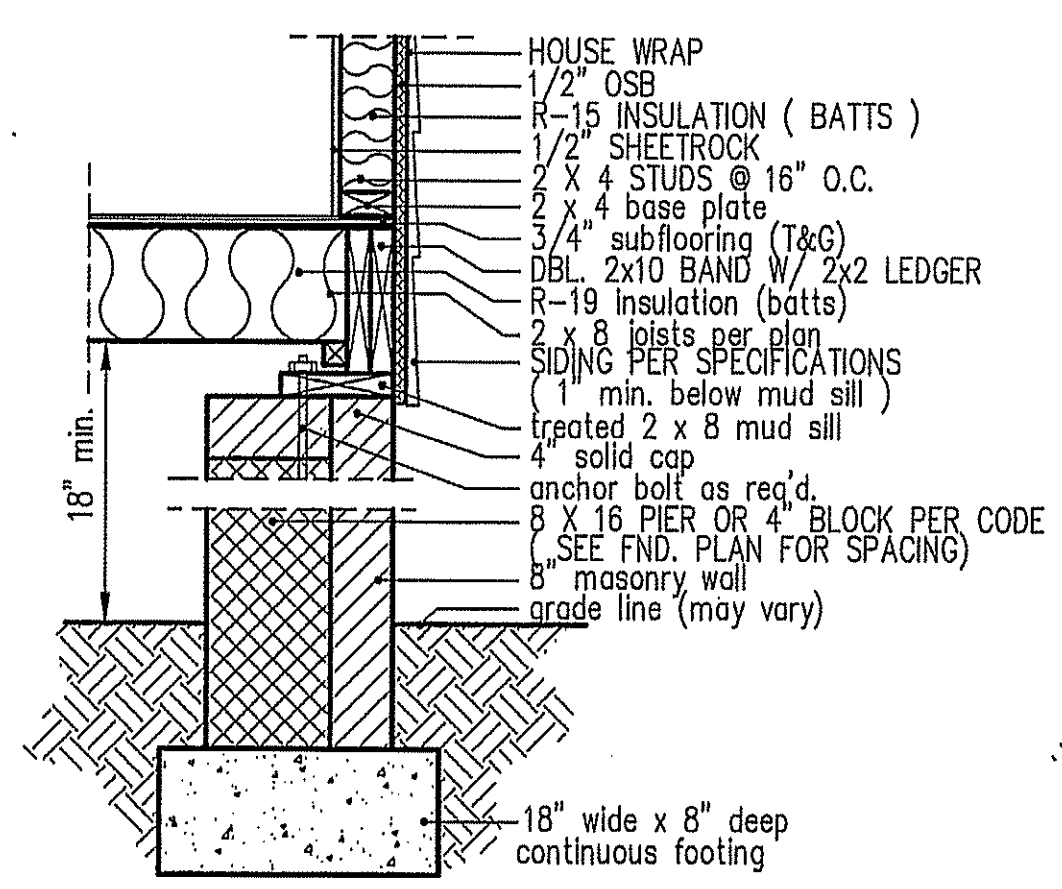
TABLE R602.1.5
MINIMUM NUMBER OF FULL HEIGHT STUDS
AT EACH END OF HEADERS IN EXTERIOR WALLS

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

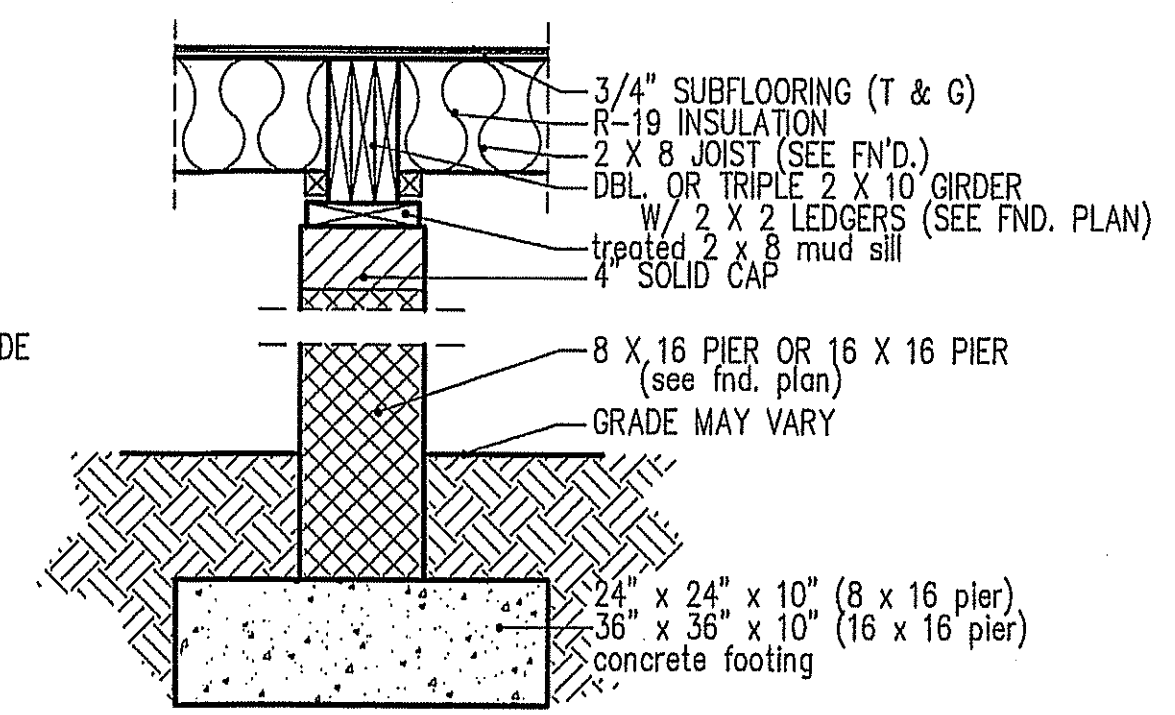
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.-R602.1 (1) AND INT.-R602.1 (2).



**8" BOX SILL
FOUNDATION WALL**



**PIER and CURTAIN
FOUNDATION WALL**



**PIER and GIRDER
DETAIL**

FILE: LILLINGTON PLAN- JUNE-2019