

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

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

DATE:
JUNE 5, 2019

REVISIONS
DATE:

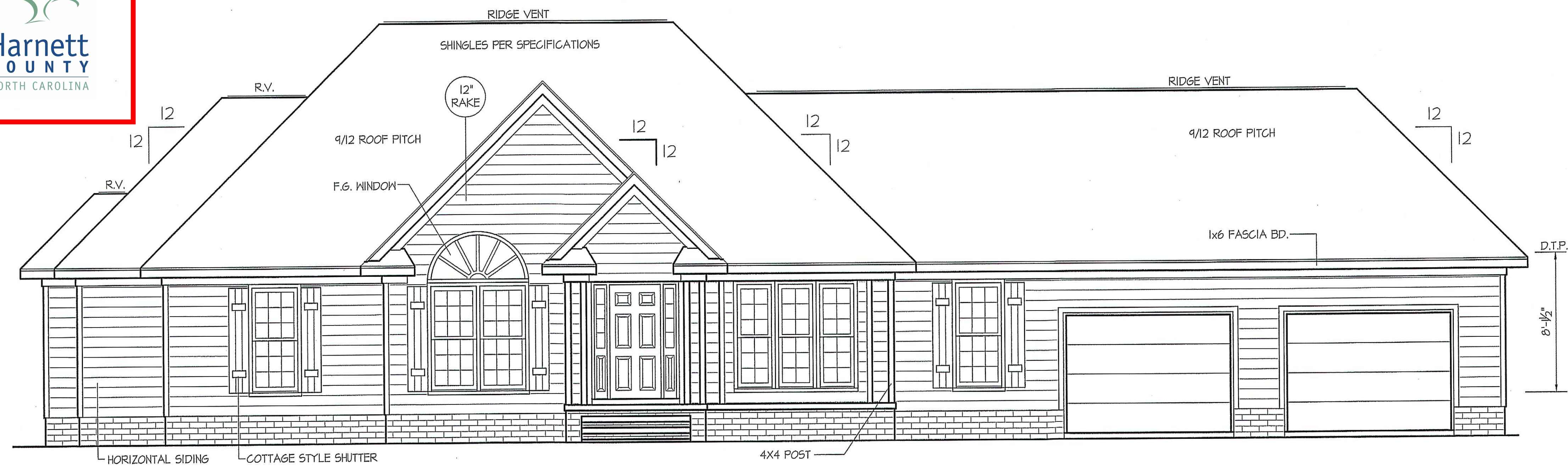
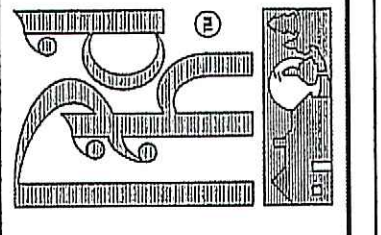
NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

APPROVED
Limited building only review
Permit holder responsible for full compliance with the code

04/08/2020




PROFESSIONAL HOME DESIGN
RANDALL K. PATE
1465 S. LAKESHORE DRIVE - APT. B-3
LAKE JUNALUSKA, N.C. - 28745
C: (910) 257-5588
e-mail: rpate007@ncrr.com
© 2019, RANDALL K. PATE



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

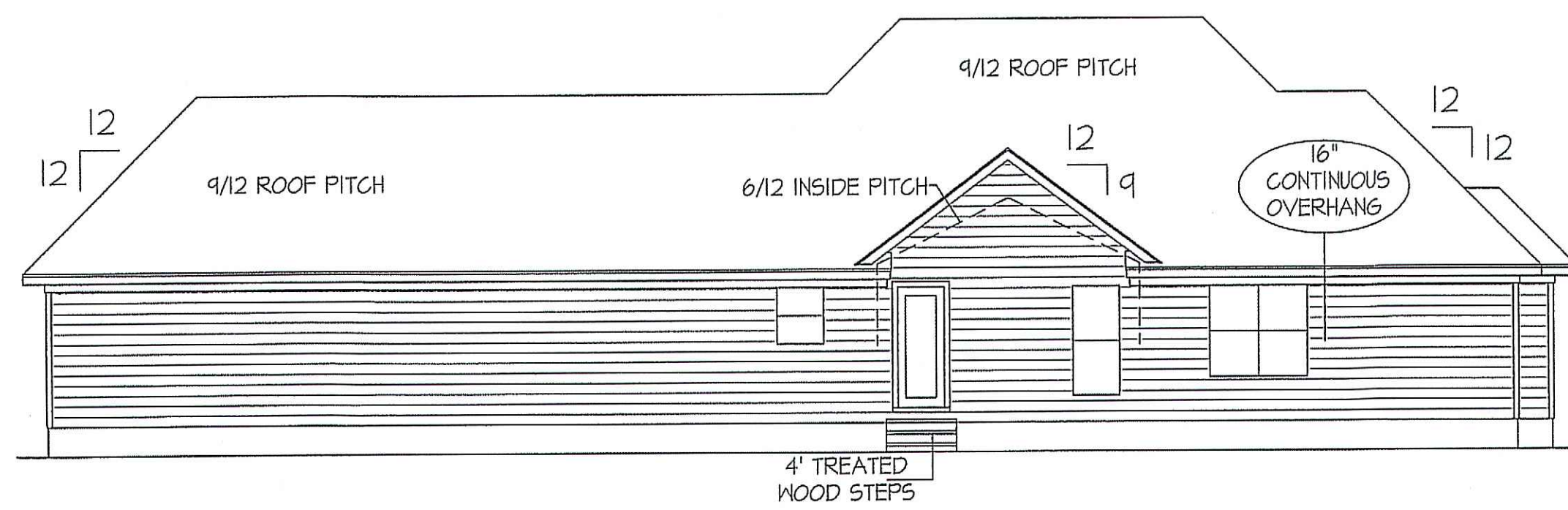
ALL EXTERIOR WALLS TO BE SHEATHED WITH OSB (1/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

ROOF VENTILATION REQ'S/MIS.
2576 ATTIC SQ. FT. / 300 = 8.59

PROVIDED ON PLAN
59 L.F. - RIDGE VENT = 11.06
242 L.F. SOFFIT VENT = 15.12
TOTAL = 26.18 S.F. FREE NET AREA

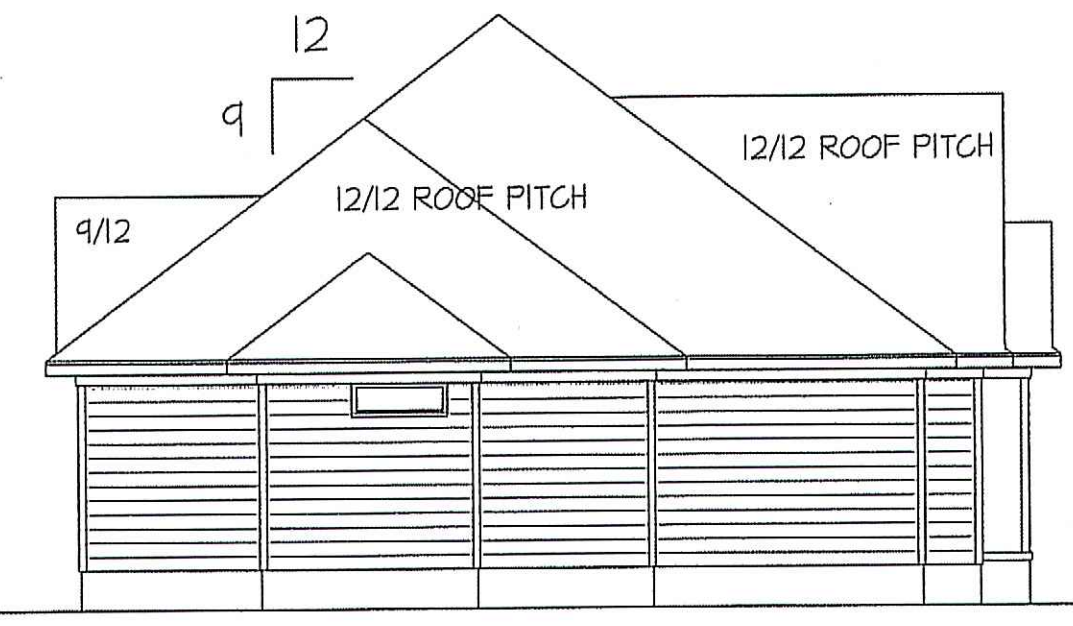
INSULATION and FENESTRATION REQUIREMENTS		
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-30	R-30
MINIMUM WALL R-VALUE	R-15, 13+2.5	R-15, 13+2.5
MINIMUM FLOOR R-VALUE	R-14	R-14
MIN. CRAWL SPACE WALL R-VALUE	5/8	10/15
MIN. SLAB R-VALUE	0	R-10

PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY

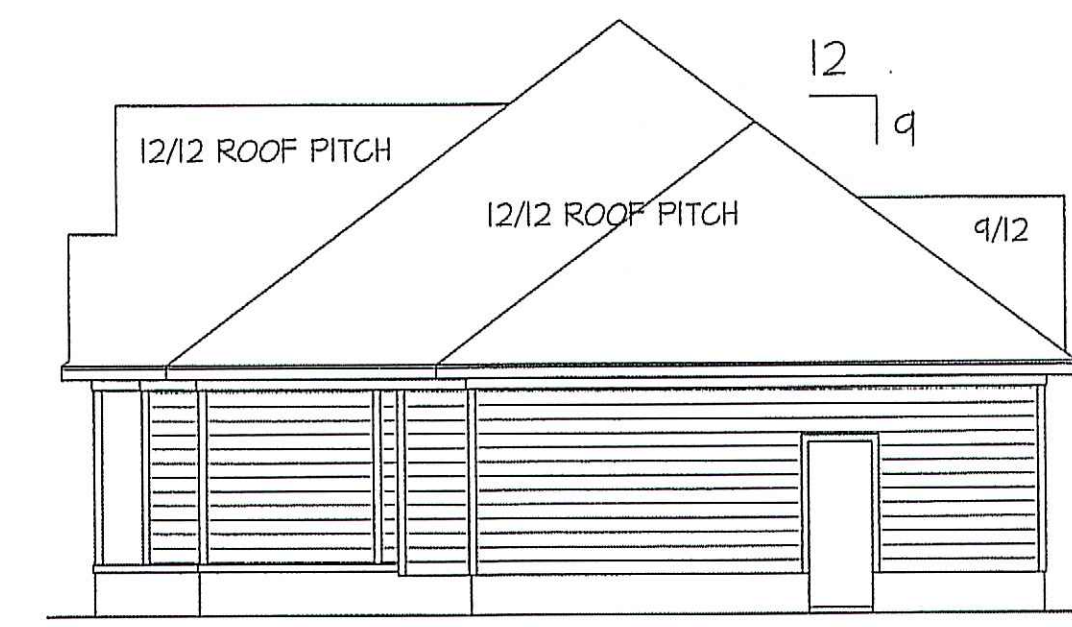


REAR ELEVATION
SCALE: 1/8" = 1'-0"

GENERAL NOTES
PROVIDE PORCH RAILING IF REQ'D.
PROVIDE STEPS AS REQ'D.
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
HAMPTON-A ~ WILKINS

PROJECT NAME:

SCALE: 1/4" = 1'-0"
NOTE: IF THIS DRAWING IS NOT PLOTTED ON 24" x 36", IT HAS BEEN REVISED FROM ITS ORIGINAL SIZE. SCALE IS NO LONGER APPLICABLE.

SHEET TITLE:
ELEVATIONS

SHEET NO.

1

Joyce Wilkins 2-26-20
Sharon Wilkins

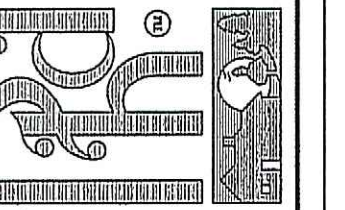
FILE C.F. "FREEDOM FAMILY HOMES" FILE NAME: HAMPTON -LINE-2019

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

DATE:
JUNE 5, 2019

REVISIONS
DATE:

PROFESSIONAL HOME DESIGN
 RANDALL K. PATE - APT. B-3
 1465 S. LAKESHORE DRIVE - 28745
 LAKE JUNIUSKA, N.C.
 O: (910) 257-5588
 e-mail: rpate007@nc.rr.com
 © 2019, RANDALL K. PATE



EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES

HAMPTON-A ~ WILKINS

PROJECT NAME:

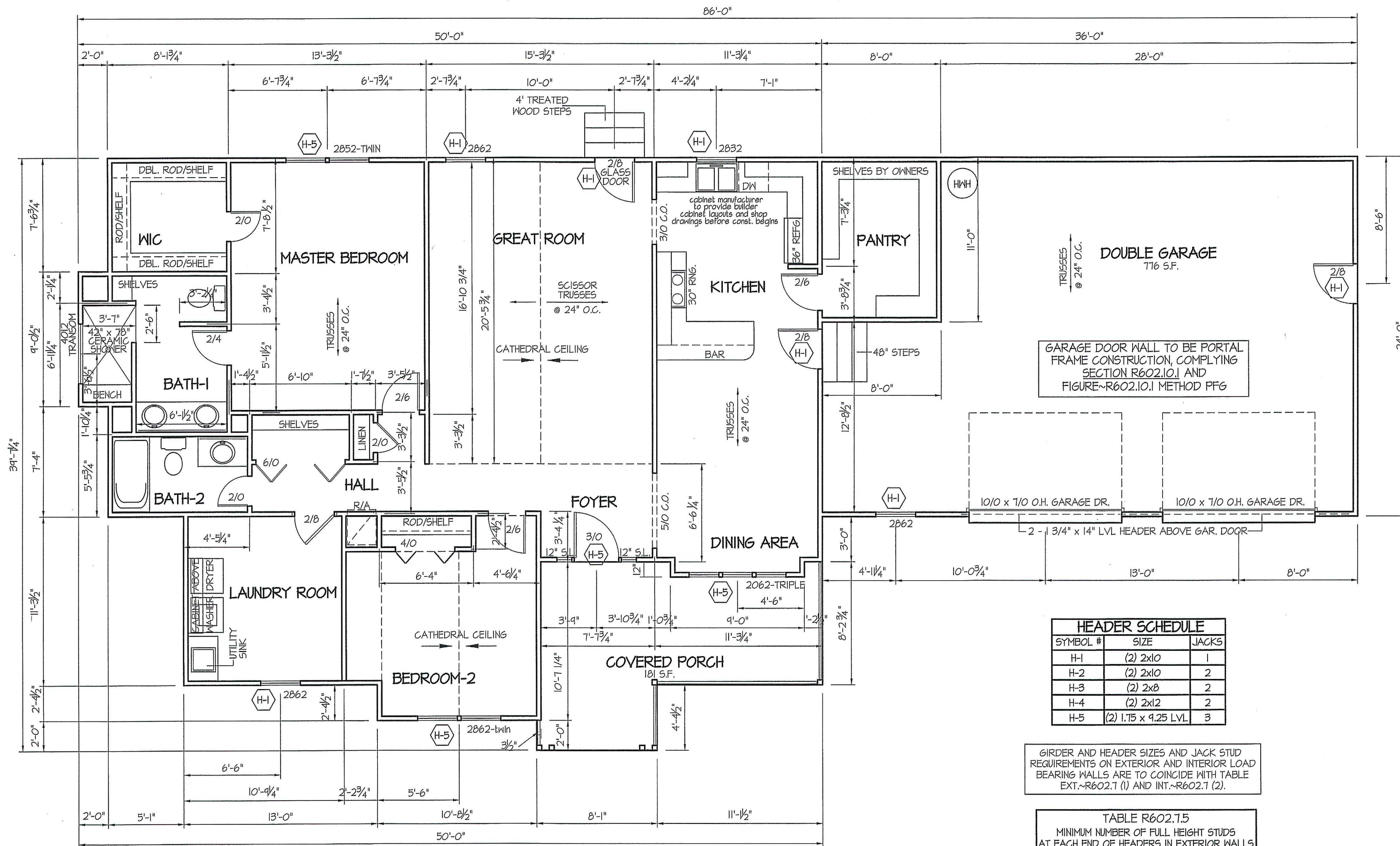
SCALE: 1/4" = 1'-0"
 NOTE: IF THIS DRAWING IS NOT
 PLOTTED ON 24" x 36" IT HAS
 BEEN REVISED FROM IT'S
 ORIGINAL SIZE. SCALE IS NO
 LONGER APPLICABLE.

SHEET TITLE:

FIRST FLOOR
DIMENSIONS

SHEET NO.

2



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

ALL INTERIOR AND EXTERIOR
LOAD BEARING HEADERS
WILL BE 2x10 #2 SFF
UNLESS OTHERWISE NOTED.

SECTION R401-COLUMNS
R401B 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"

TOTAL HEATED SQUARE FOOTAGE = 1619 S.F.
 TOTAL GARAGE SQUARE FOOTAGE = 716 S.F.
 TOTAL GARAGE SQUARE FOOTAGE = 181 S.F.

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

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

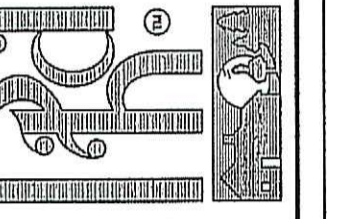
*Project with Wilkins
Sharon Wilkins*

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

DATE:
JUNE 5, 2019

REVISIONS
DATE:

PROFESSIONAL HOME DESIGN
 RANDALL K. PATE
 1465 S. LAKESHORE DRIVE APT. B-3
 LAKE JUNIUSKA, N.C. 28745
 P: (910) 257-5588
 E-MAIL: rpate00@nc.rr.com
 © 2019, RANDALL K. PATE



**EXCLUSIVE PLAN FOR
 FREEDOM FAMILY HOMES**

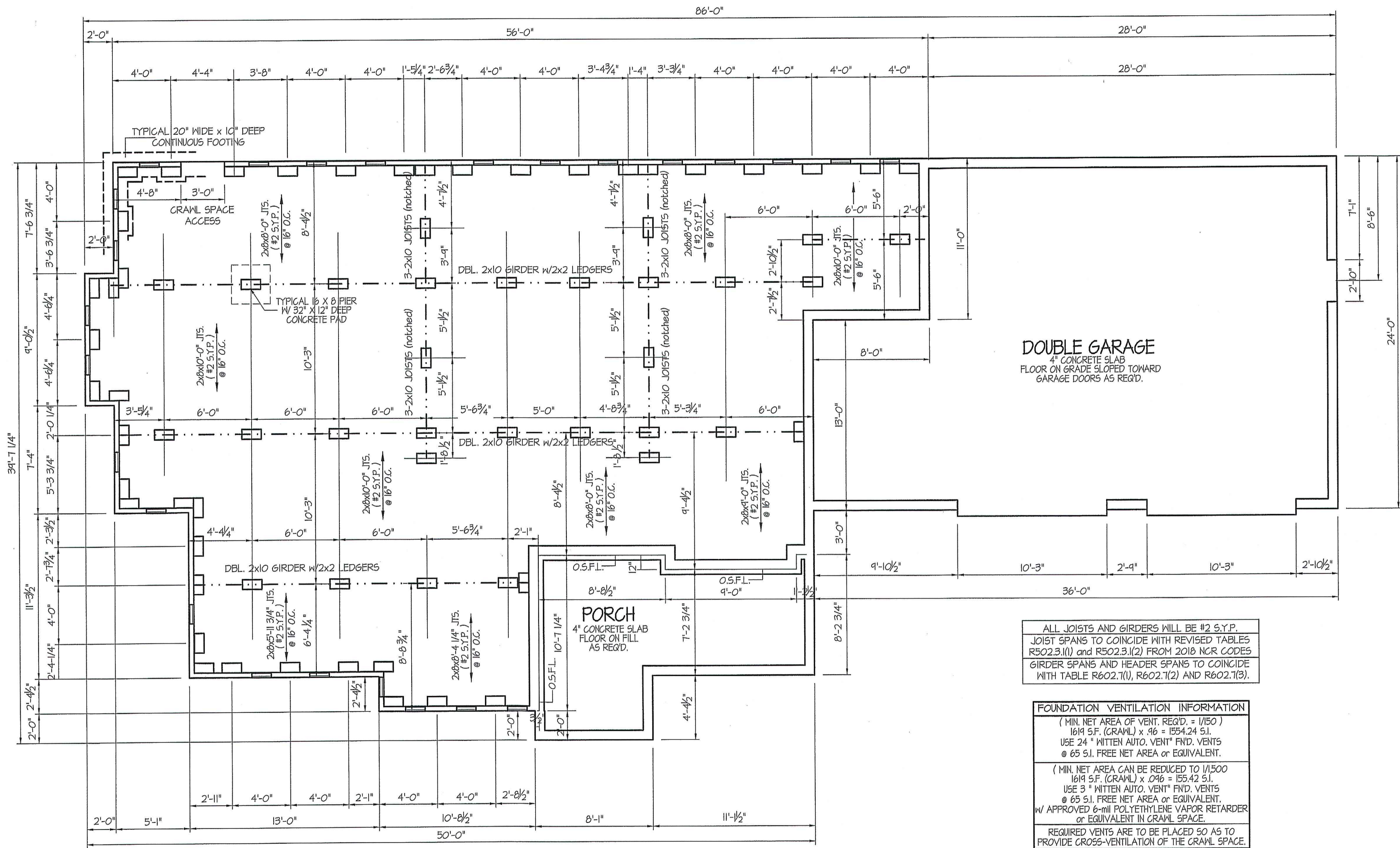
HAMPTON-A ~ WILKINS

PROJECT NAME:

SCALE: 1/4" = 1'-0"
 NOTE: IF THIS DRAWING IS NOT PLOTTED ON 24" x 36", IT HAS BEEN REVISED FROM IT'S ORIGINAL SIZE. SCALE IS NO LONGER APPLICABLE.

SHEET TITLE:
FOUNDATION PLAN

SHEET NO.
3



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 VENTILATION INFORMATION
 (MIN. NET AREA OF VENT. REQ'D. = 1/150)
 1619 S.F. (CRAWL) x .96 = 1554.24 S.I.
 USE 24" WITTEN AUTO. VENT. FND. VENTS @ 65 S.I. FREE NET AREA OR EQUIVALENT.
 (MIN. NET AREA CAN BE REDUCED TO 1/1500)
 1619 S.F. (CRAWL) x .046 = 155.42 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.

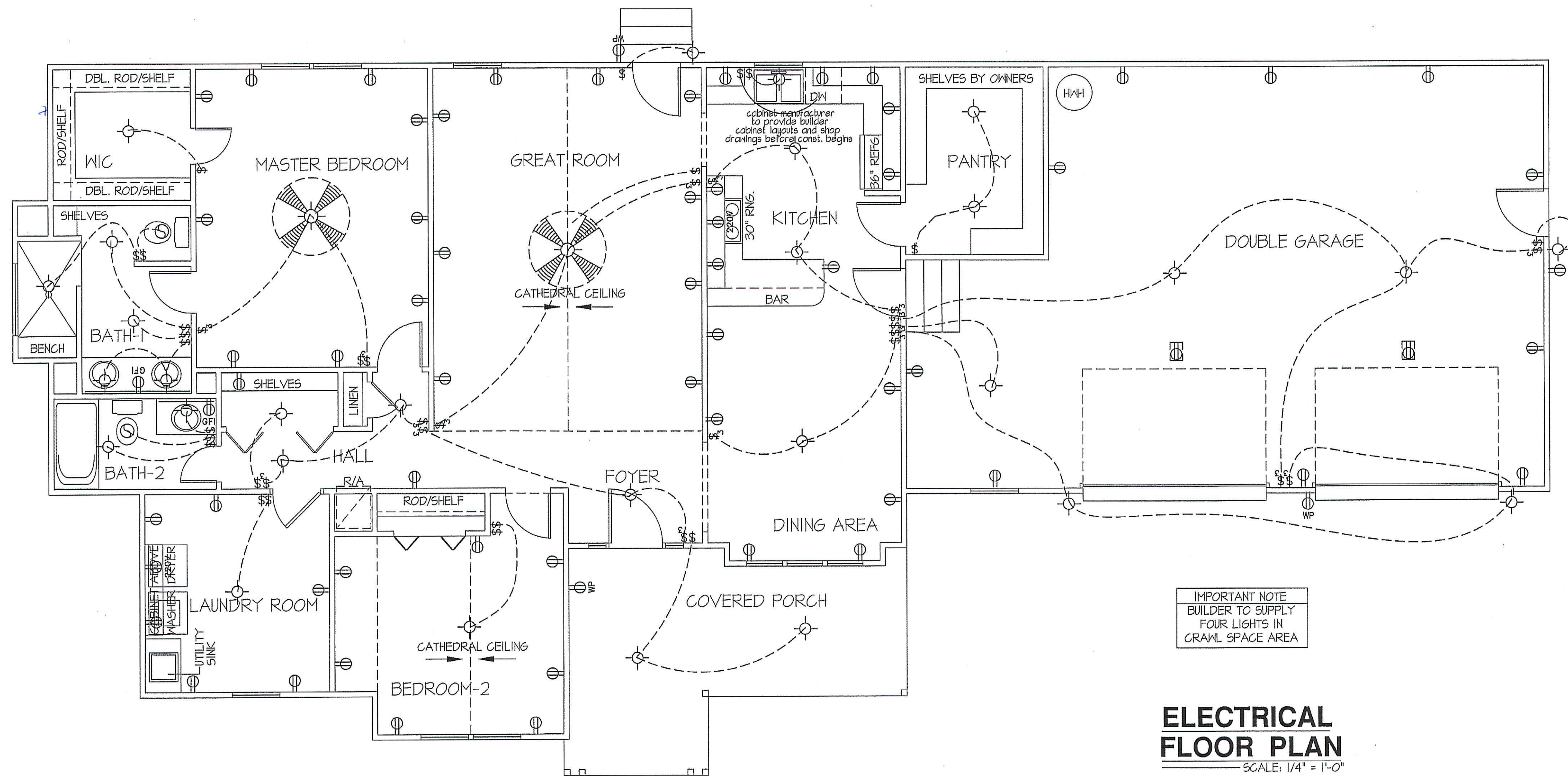
IMPORTANT NOTE
 BUILDER TO SUPPLY FOUR LIGHTS IN CRAWL SPACE AREA

NOTES:
 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 56L JOIST UNDER PARALLEL INTERIOR WALLS AS REQ'D.
 PROVIDE 24 X 36 ACCESS OPENING IN FND. WALL.
 PROVIDE STEPS TO GRADE (MAX. 8")

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

TOTAL HEATED SQUARE FOOTAGE = 1619 S.F.
 TOTAL GARAGE SQUARE FOOTAGE = 776 S.F.
 TOTAL GARAGE SQUARE FOOTAGE = 181 S.F.

Joseph Wilkins
Anna Wilkins
 2-26-20



IMPORTANT NOTE
 BUILDER TO SUPPLY
 FOUR LIGHTS IN
 CRAWL SPACE AREA

ELECTRICAL FLOOR PLAN
 SCALE: 1/4" = 1'-0"

TOTAL HEATED SQUARE FOOTAGE = 1614 S.F.
 TOTAL GARAGE SQUARE FOOTAGE = 716 S.F.
 TOTAL GARAGE SQUARE FOOTAGE = 101 S.F.

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

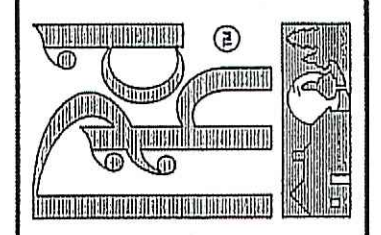
⊕ SURF. MOUNTED LIGHT	⊕ TYPICAL WALL RECEP.	⊕ TYPICAL SWITCH
○ RECESSED LIGHT	⊕ TOP 1/2 HOT W/SWITCH	⊕ 3-WAY SWITCH
⊕ EYEBALL LIGHT	⊕ CEILING RECEPTACLE	⊕ 4-WAY SWITCH
⊕ FAN/LIGHT COMB.	⊕ FLOOR RECEPTACLE	⊕ DIMMER SWITCH
— FLUORESCENT TUBE	⊕ WATERPROOF RECEP.	⊕ ELEC. PANEL BOX
□ FLUOR. LIGHT FIXTURE	⊕ GROUND FAULT	⊕ T.V. CABLE RECEP.
⊕ EXHAUST FAN	⊕ DISPOSAL UNIT	⊕ TELEPHONE JACK
⊕ CL'G. FAN	⊕ 220 VOLT RECEPTACLE	⊕ COMPUTER JACK
⊕ FLOOD LIGHT		

*Joseph Wilkins 2-26-20
 Joseph Wilkins*

DATE:
 JUNE 5, 2019

REVISIONS
 DATE:

PROFESSIONAL HOME DESIGN
 RANDALL K. PATE
 1465 S. LAKESHORE DRIVE - APT. B-3
 LAKE JUNCTION, NJ - 08745
 O: (910) 257-5588
 E-MAIL: rpate00@nc.rr.com
 © 2019, RANDALL K. PATE



EXCLUSIVE PLAN FOR
 FREEDOM FAMILY HOMES

HAMPTON-A ~ WILKINS

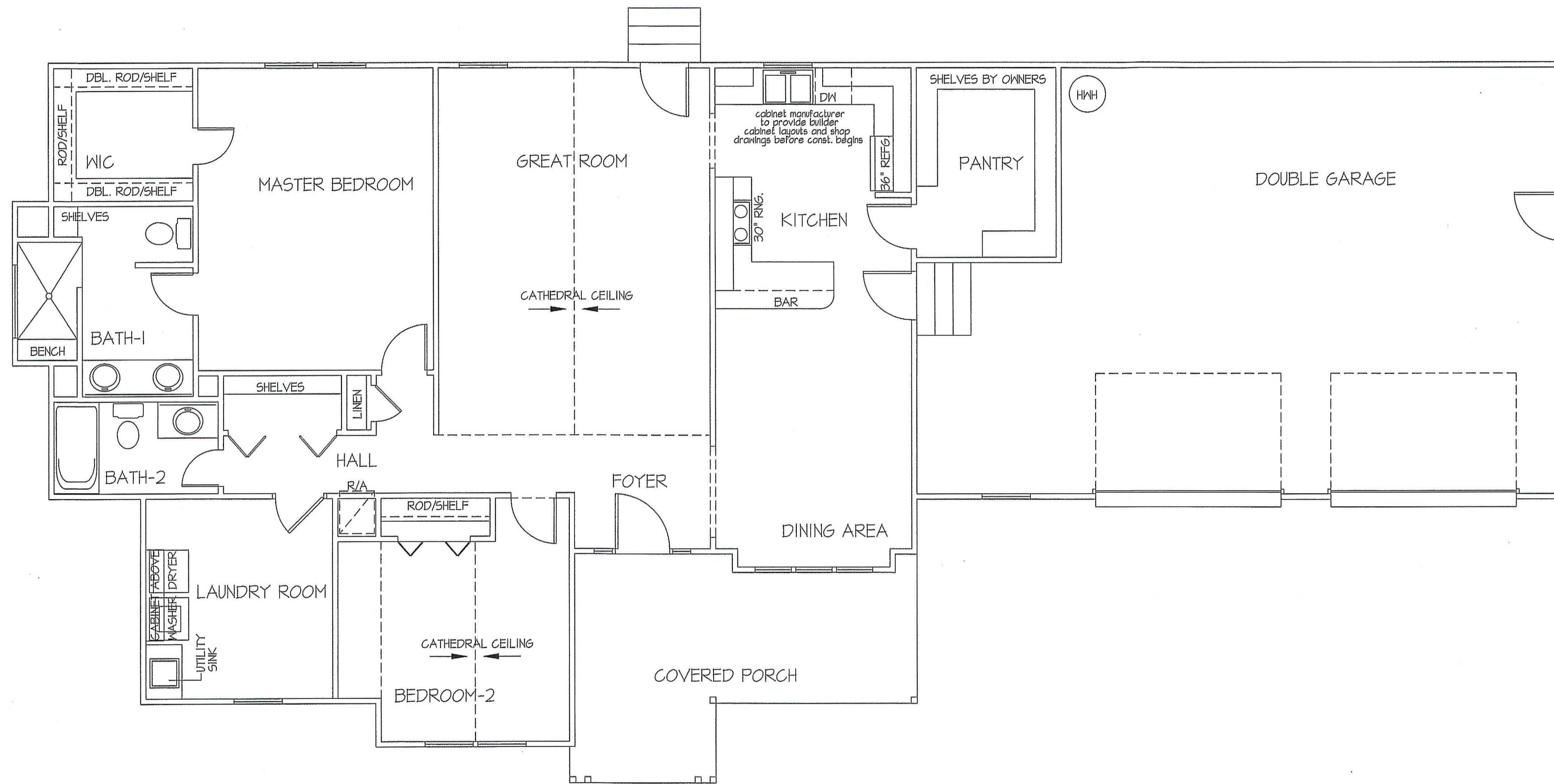
PROJECT NAME:

SCALE: 1/4" = 1'-0"
 NOTE: IF THIS DRAWING IS NOT PLOTTED ON 24" x 36", IT HAS BEEN REVISED FROM IT'S ORIGINAL SIZE. SCALE IS NO LONGER APPLICABLE.

SHEET TITLE:
 ELECTRICAL LAYOUT

SHEET NO.

4



TOTAL HEAT GAIN = 31,161 B.T.U.H.
 TOTAL HEAT LOSS = 50,351 B.T.U.H.

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

**HVAC
 FLOOR PLAN**
 SCALE: 1/4" = 1'-0"

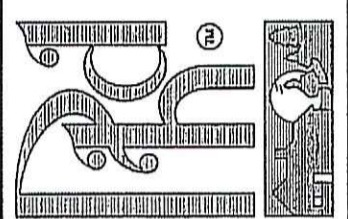
TOTAL HEATED SQUARE FOOTAGE = 1619 S.F.
 TOTAL GARAGE SQUARE FOOTAGE = 716 S.F.
 TOTAL GARAGE SQUARE FOOTAGE = 101 S.F.

*Joseph Wilkins 2-26-20
 Approval Wilkins*

DATE:
 JUNE 5, 2019

REVISIONS
 DATE:

PROFESSIONAL HOME DESIGN
 RANDALL K. PATE
 1465 S. LAKESHORE DRIVE - APT. B-3
 LAKE JUNALUSKA, N.C. 28745
 O: (910) 257-5588
 e-mail: rpate007@nc.rr.com
 © 2019, RANDALL K. PATE



PROJECT NAME:
 EXCLUSIVE PLAN FOR
 FREEDOM FAMILY HOMES

HAMPTON-A ~ WILKINS

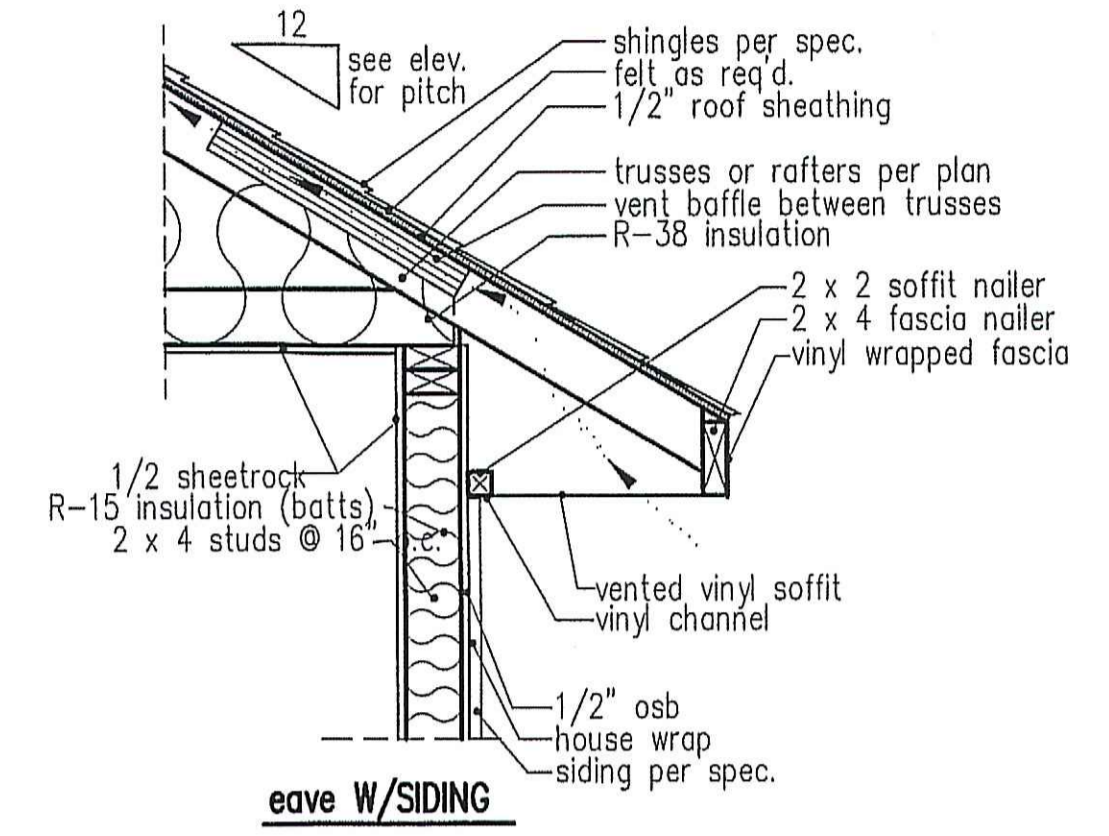
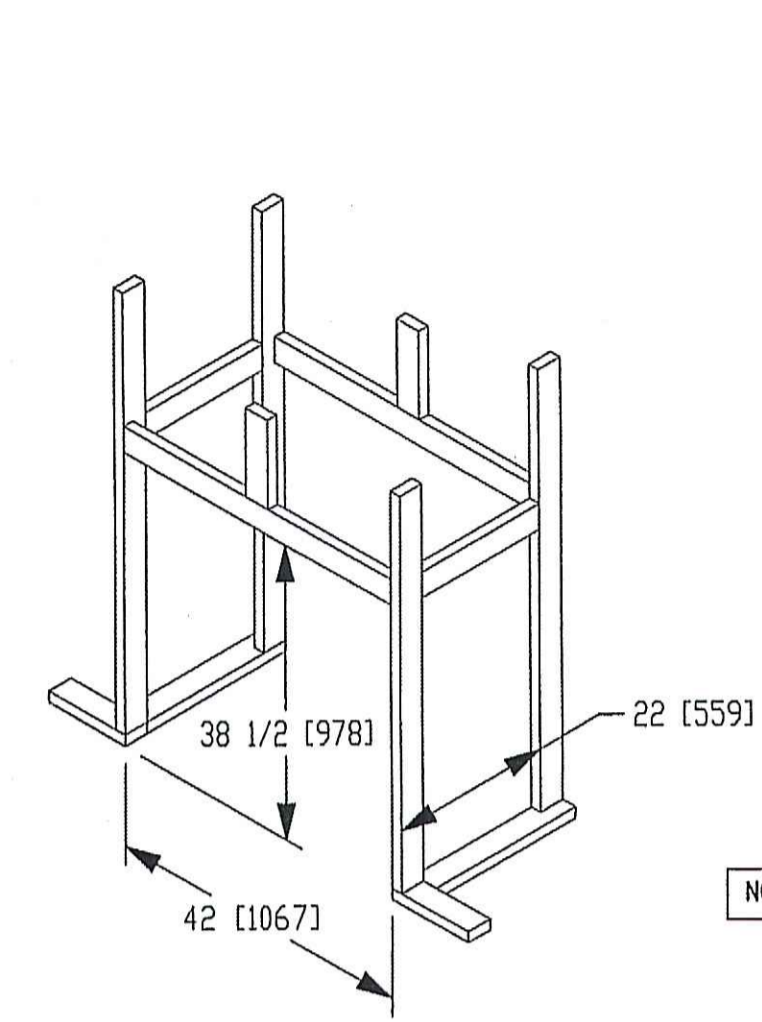
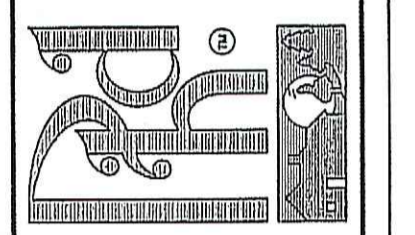
SCALE: 1/4" = 1'-0"
 NOTE: IF THIS DRAWING IS NOT
 PLOTTED ON 24" x 36" IT HAS
 BEEN REVISED FROM ITS
 ORIGINAL SIZE. SCALE IS NO
 LONGER APPLICABLE.

SHEET TITLE:

HVAC

SHEET NO.

5



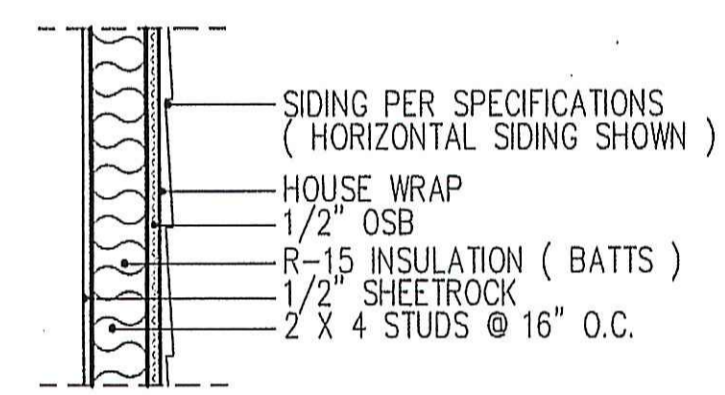
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

standard eave details

DIMENSIONS IN () ARE MM

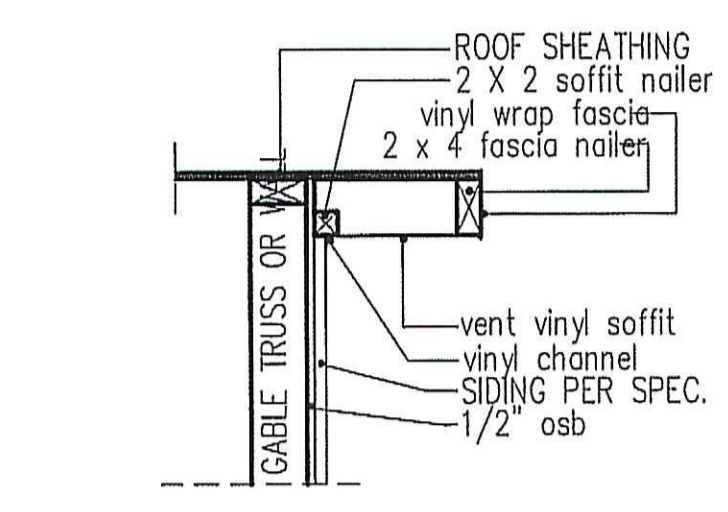
Model	Height	Front Width		Back Width		Depth	Glass Size	BTU Input
		Actual	Framing	Actual	Framing			
6000-TR								
Inches	38	38-1/2	41	42	28-1/2	42	21-1/2	22

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



WALL W/siding

intermediate wall details



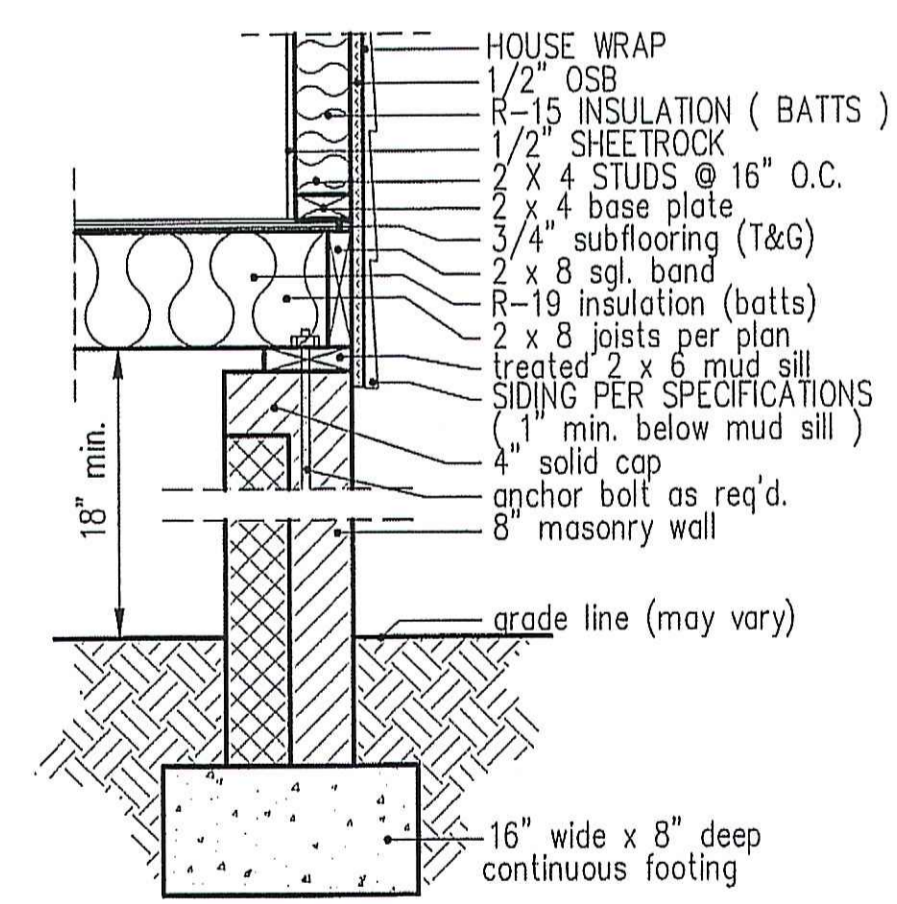
RAKE w/SIDING

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

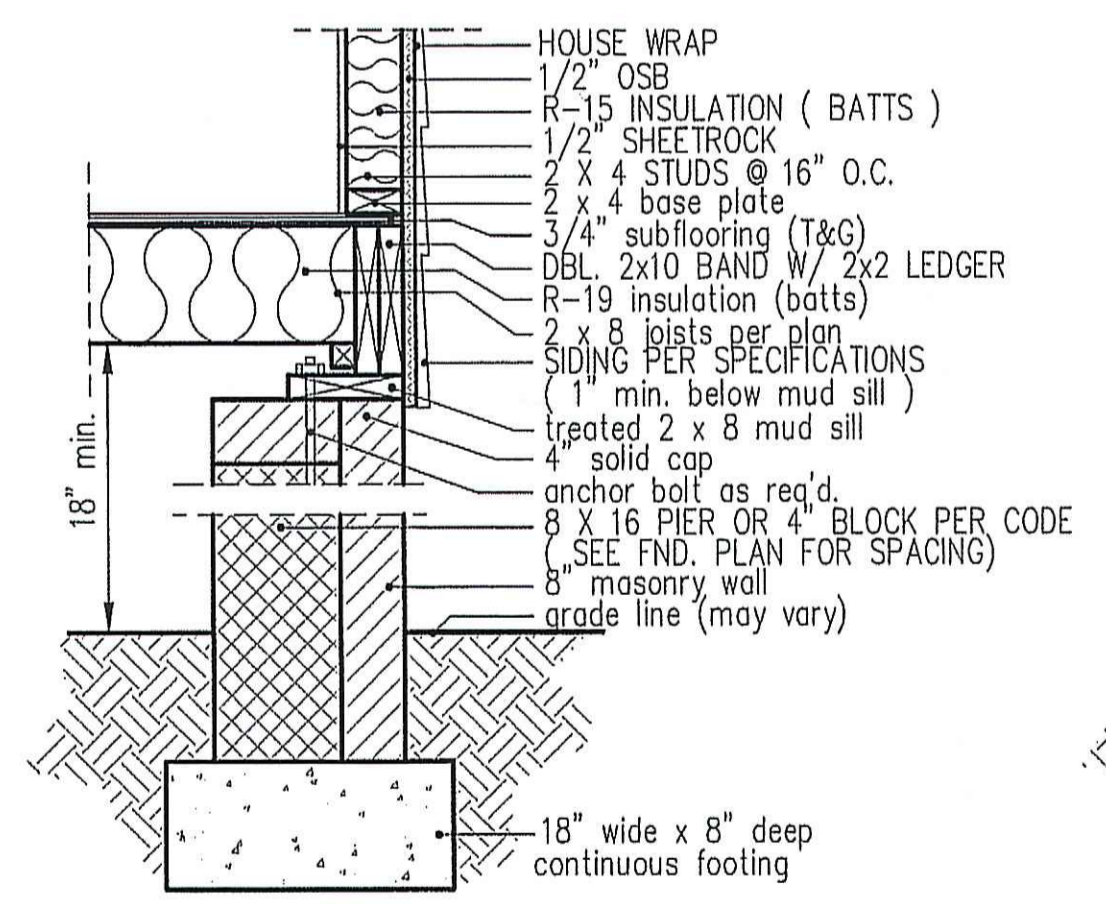
TABLE R602.7.5
 MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (feet)	MAX. STUD SPACING (inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
6'	3	2
12'	5	3
16'	6	4

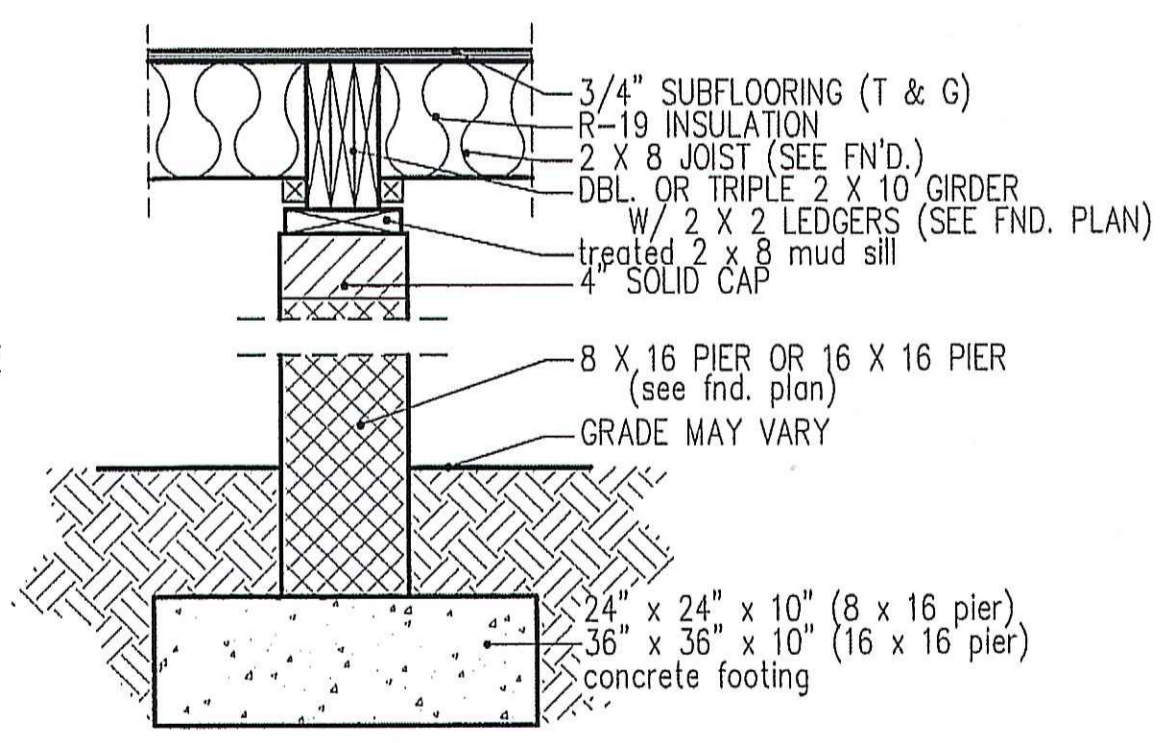
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.-R602.7 (1) AND INT.-R602.7 (2).



8" BOX SILL FOUNDATION WALL



PIER and CURTAIN FOUNDATION WALL



PIER and GIRDER DETAIL

*final w/updates 2-26-20
 James Wilkins*