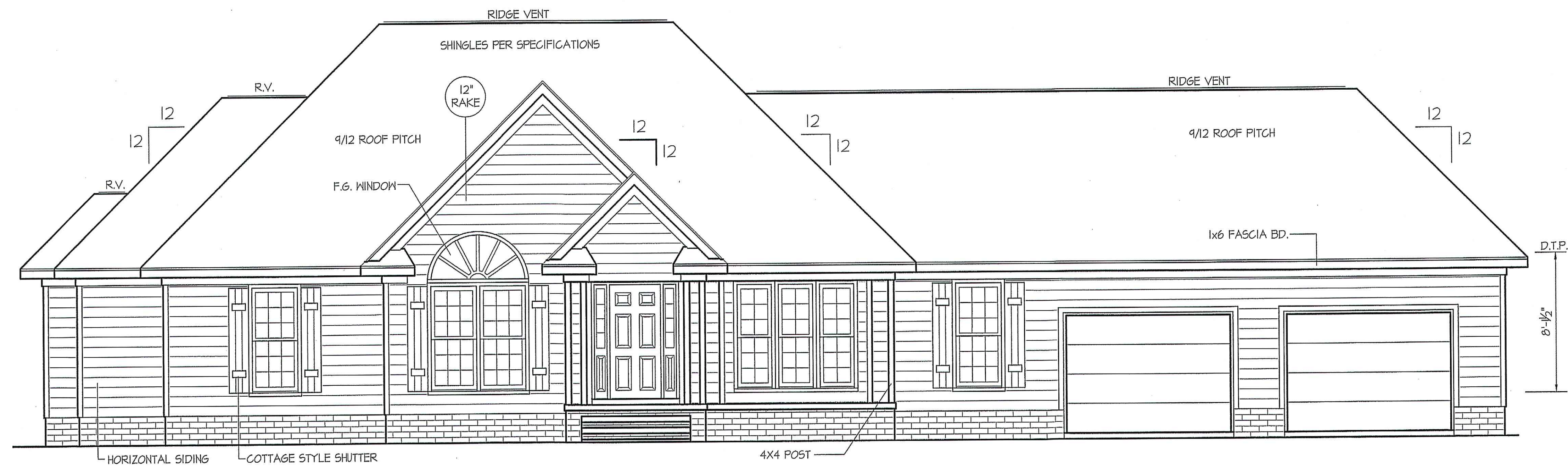


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

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

DATE:  
JUNE 5, 2019

REVISIONS  
DATE:



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

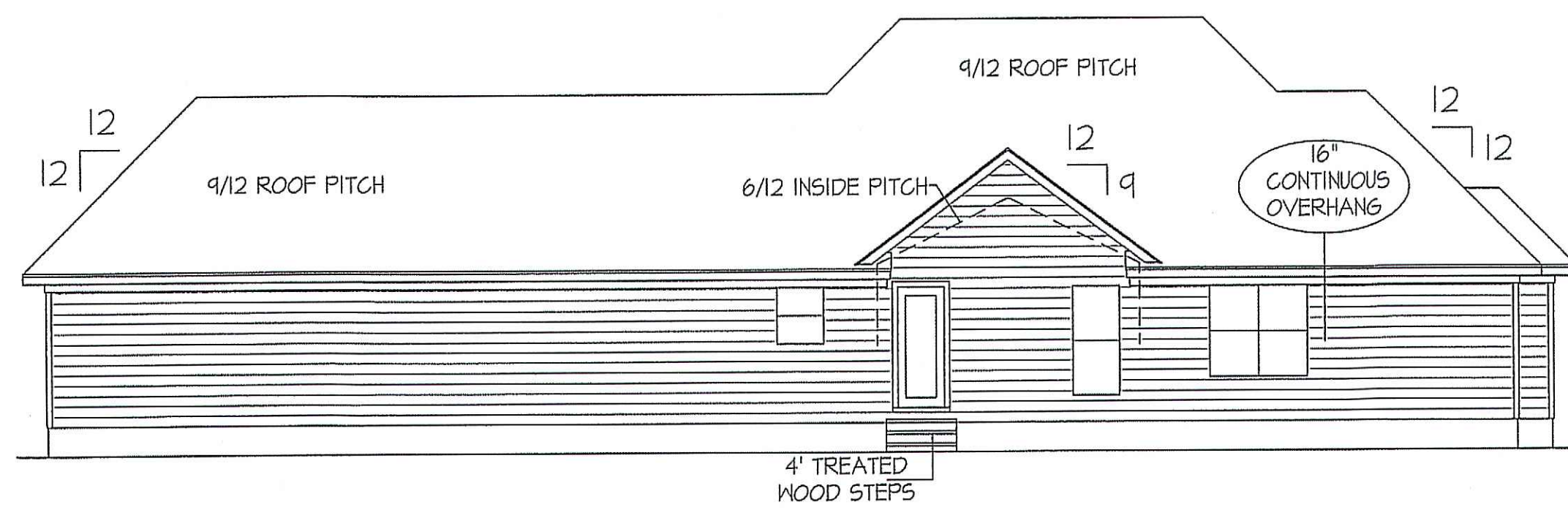
ALL EXTERIOR WALLS TO BE SHEATHED WITH OSB (1/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

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

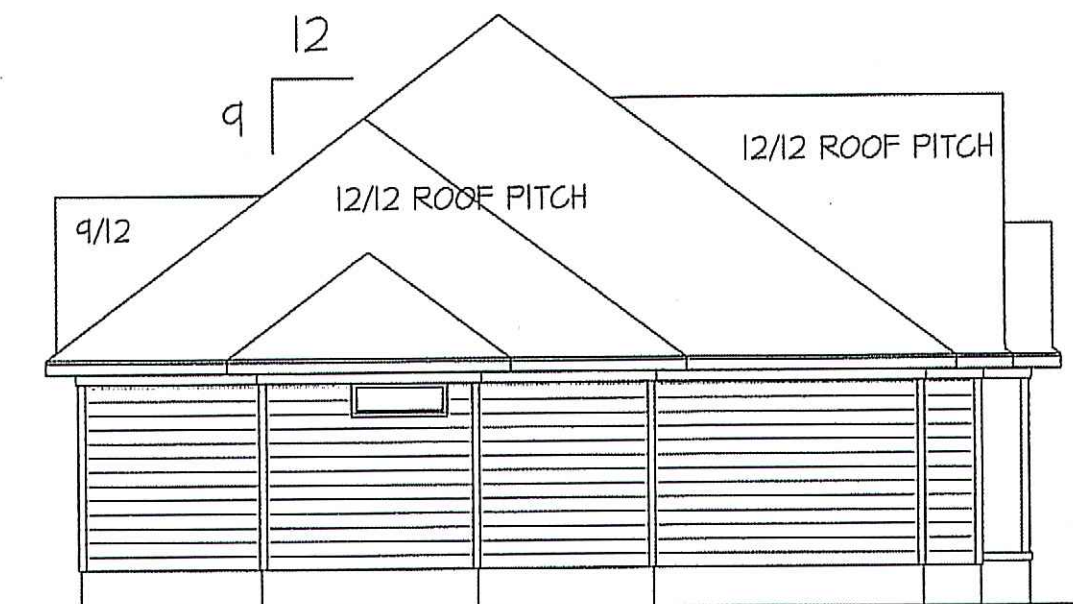
INSULATION and FENESTRATION REQUIREMENTS		
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-30	R-30
MINIMUM WALL R-VALUE	R-15, 13+2.5	R-15, 13+2.5
MINIMUM FLOOR R-VALUE	R-14	R-14
MIN. CRAWL SPACE WALL R-VALUE	5/8	10/15
MIN. SLAB R-VALUE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

PROVIDE STEPS AS REQUIRED  
GRADE MAY VARY - BUILDER TO VERIFY

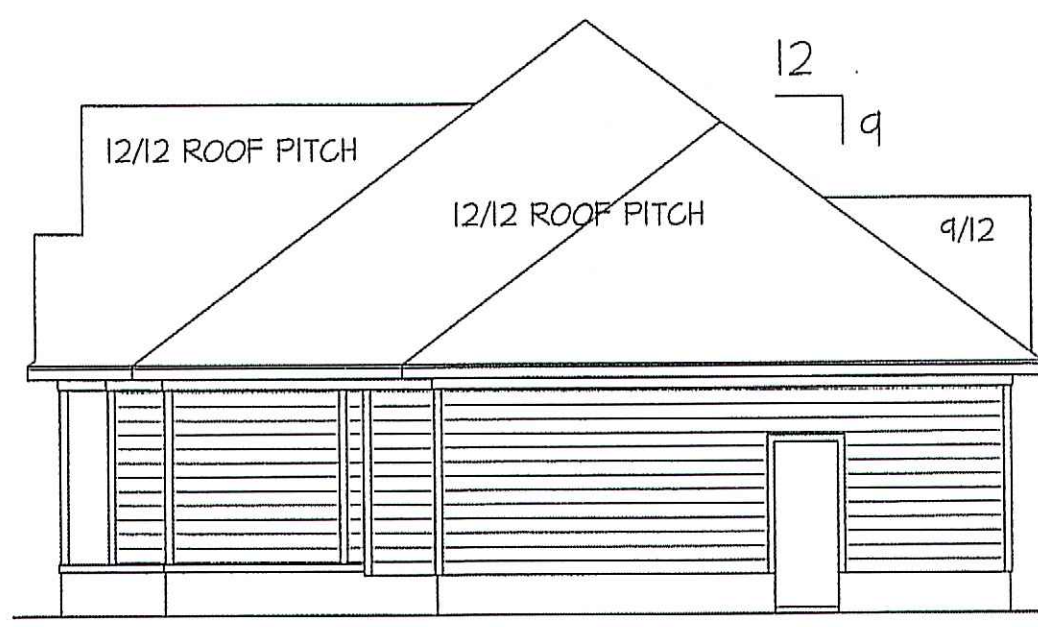


**REAR ELEVATION**  
SCALE: 1/8" = 1'-0"

GENERAL NOTES  
PROVIDE PORCH RAILING IF REQ'D.  
PROVIDE STEPS AS REQ'D.  
GRADE MAY VARY - BUILDER TO VERIFY

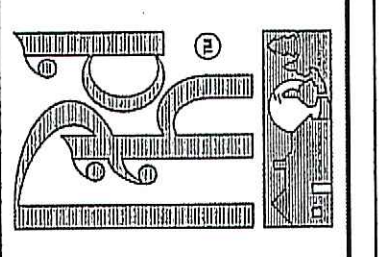


**LEFT ELEVATION**  
SCALE: 1/8" = 1'-0"



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

PROFESSIONAL HOME DESIGN  
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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 SCALE IS NO LONGER APPLICABLE.

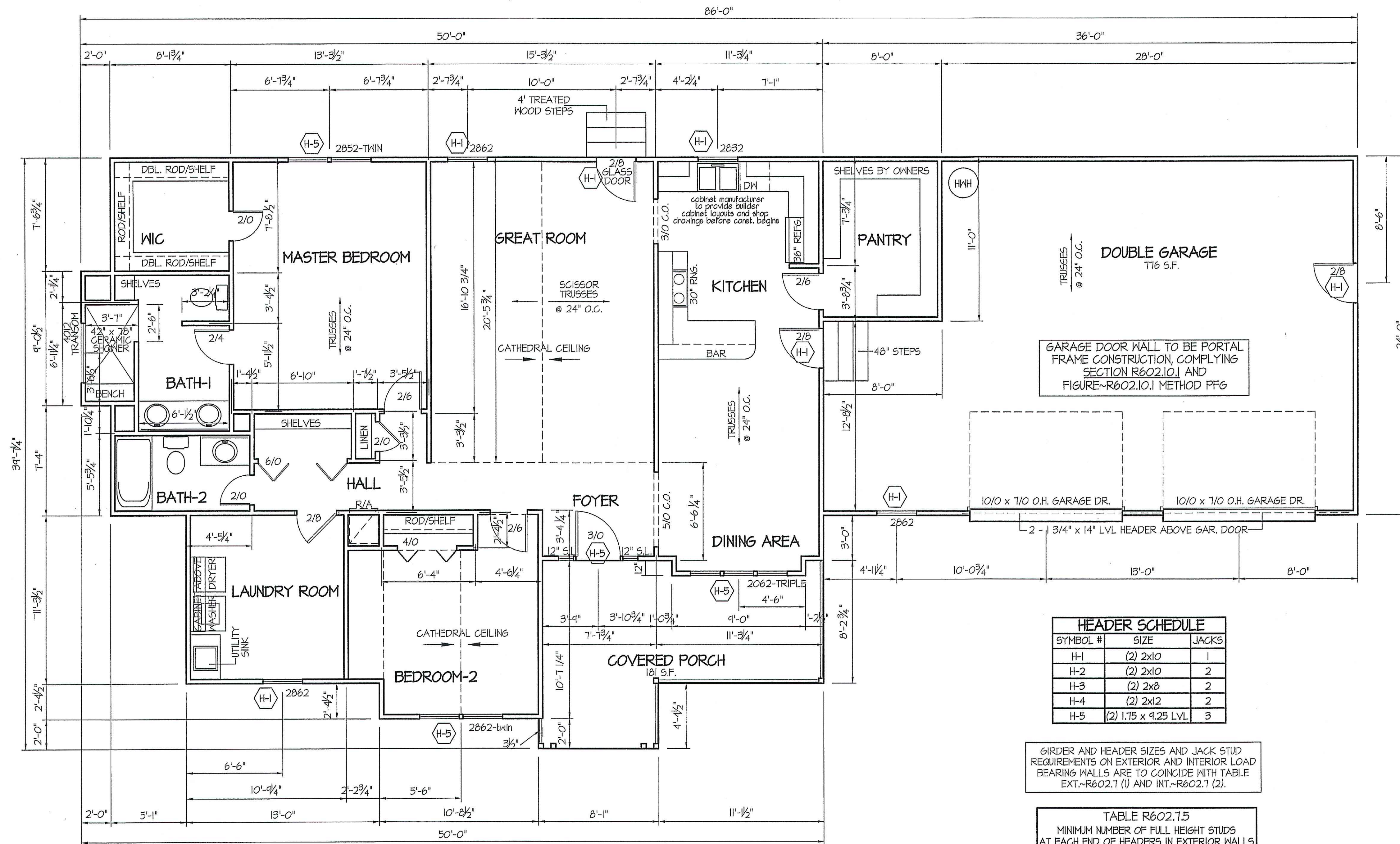
SHEET TITLE:  
ELEVATIONS

SHEET NO.

**1**

*Project by Wilkins 2-26-20  
Sharon Wilkins*

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



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 (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).

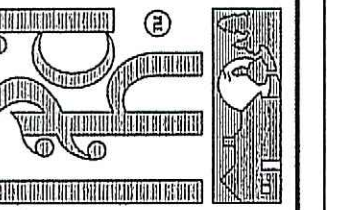
TABLE R602.7.5 MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS		
HEADER SPAN (feet)	MAX. STUD SPACING (Inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

*Project with Wilkins  
Approved Wilkins*

DATE:  
JUNE 5, 2019

REVISIONS DATE:

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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.

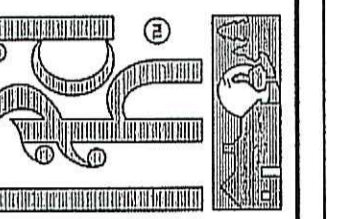
**2**

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

DATE:  
JUNE 5, 2019

REVISIONS  
DATE:

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EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
**HAMPTON-A ~ WILKINS**

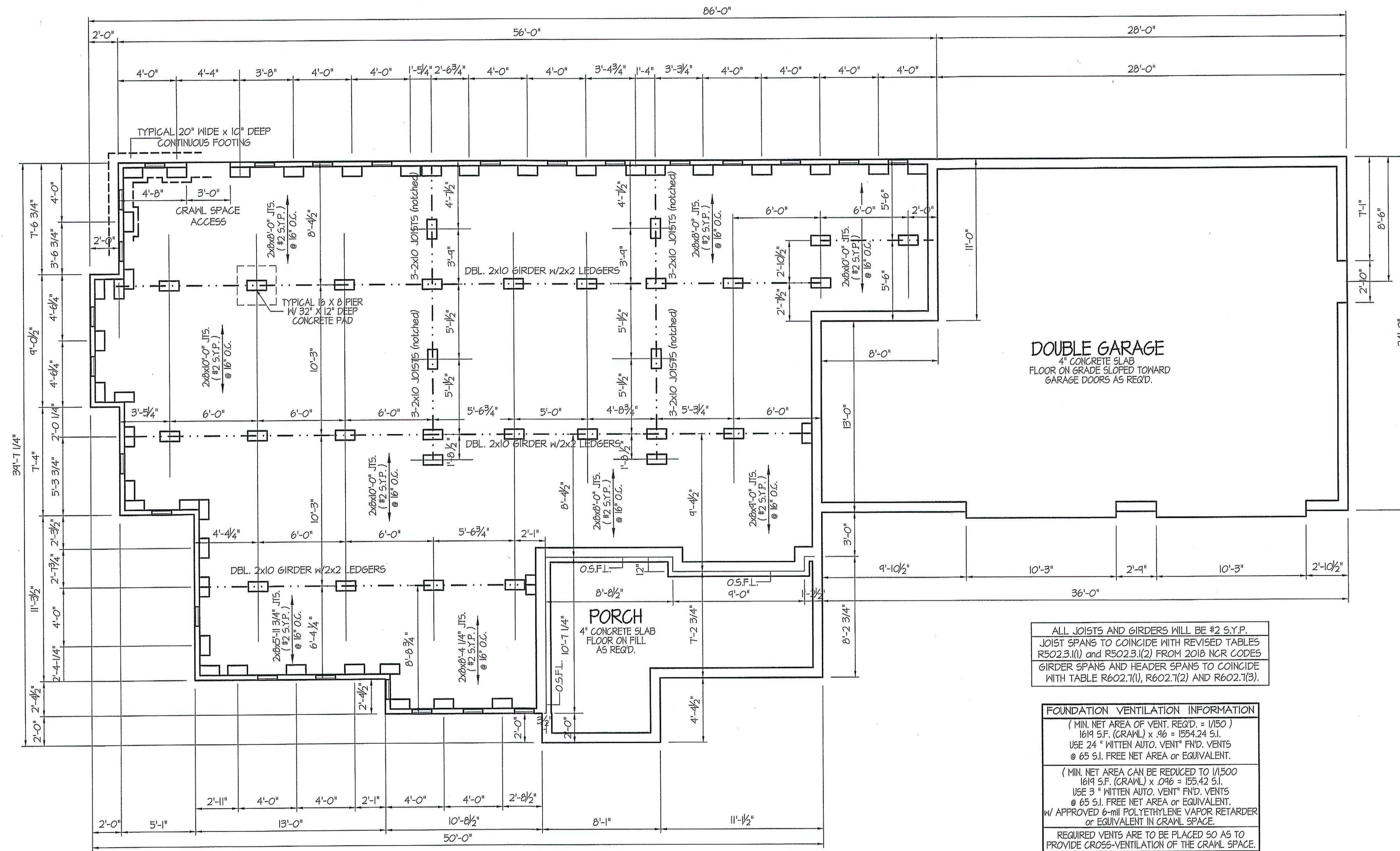
PROJECT NAME:

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



**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")

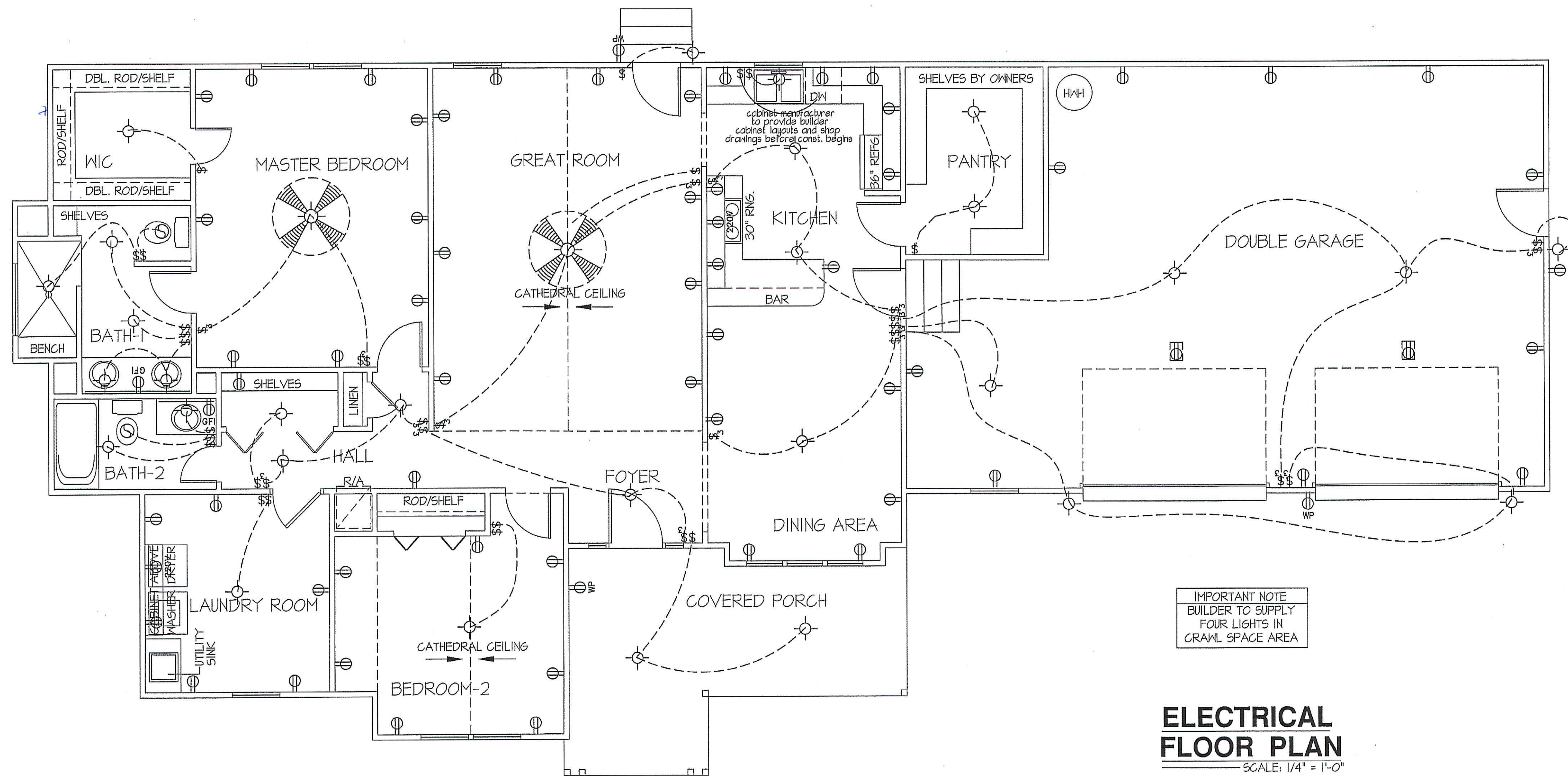
ALL JOISTS AND GIRDERS WILL BE #2 S.Y.P.  
JOIST SPANS TO COINCIDE WITH REVISED TABLES R502.3.1(1) AND R502.3.1(2) FROM 2018 NCR CODES  
GIRDER SPANS AND HEADER SPANS TO COINCIDE WITH TABLE R602.7(1), R602.7(2) AND R602.7(3).

**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.

**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.

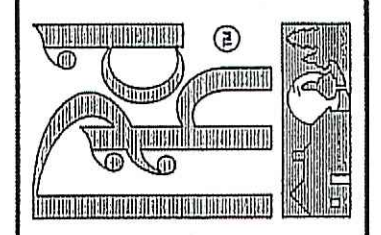
⊕ SURF. MOUNTED LIGHT	⊕ TYPICAL WALL RECEP.	⊕ TYPICAL SWITCH
○ RECESSED LIGHT	⊕ TOP 1/2 HOT W/SWITCH	⊕ 3-WAY SWITCH
⊕ EYEBALL LIGHT	⊕ CEILING RECEPTACLE	⊕ 4-WAY SWITCH
⊕ FAN/LIGHT COMB.	⊕ FLOOR RECEPTACLE	⊕ DIMMER SWITCH
— FLUORESCENT TUBE	⊕ WATERPROOF RECEP.	⊕ ELEC. PANEL BOX
□ FLUOR. LIGHT FIXTURE	⊕ 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:

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EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES

**HAMPTON-A ~ WILKINS**

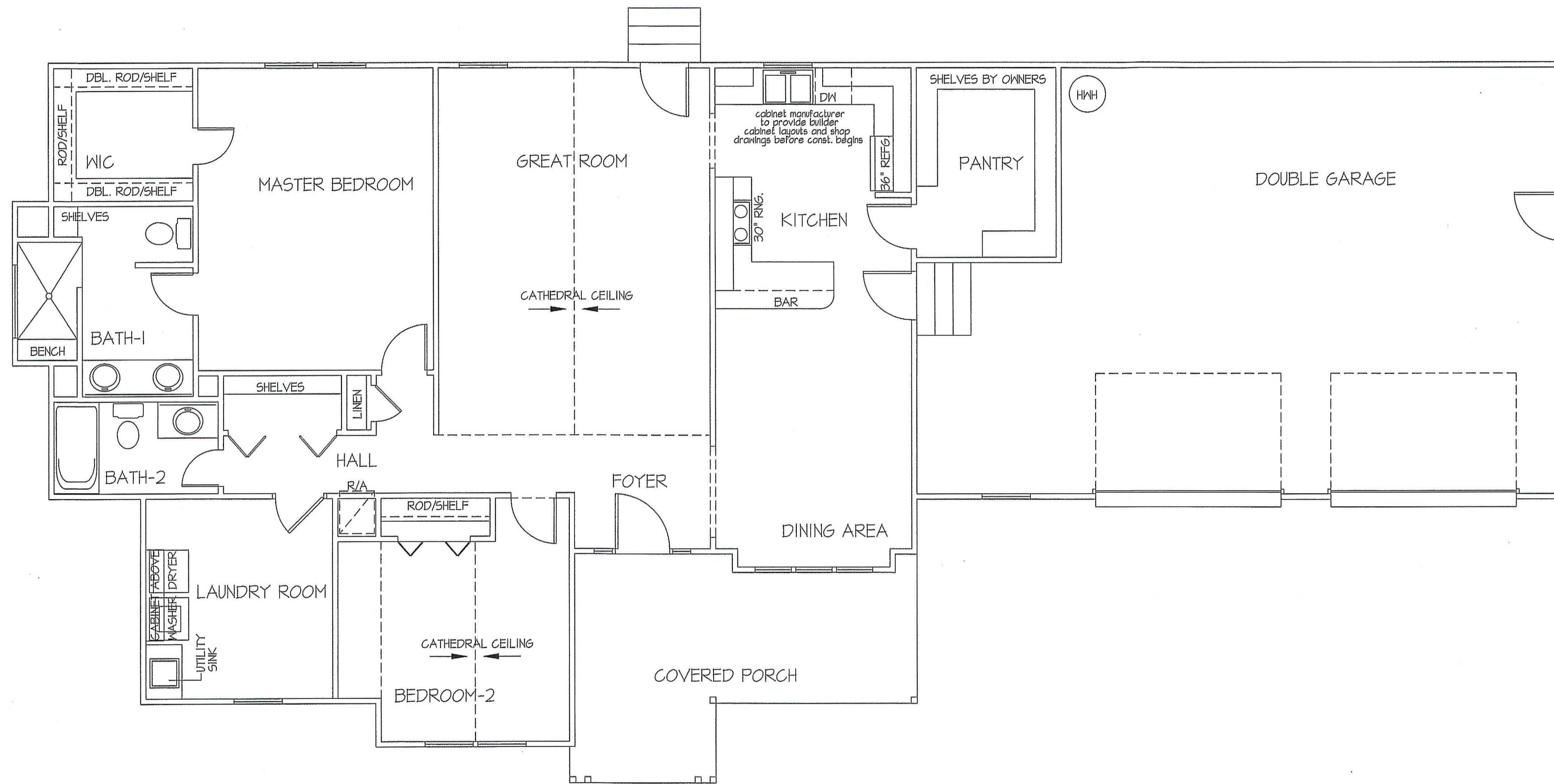
PROJECT NAME:

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

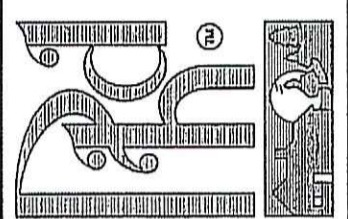
TOTAL HEATED SQUARE FOOTAGE = 1619 S.F.  
 TOTAL GARAGE SQUARE FOOTAGE = 716 S.F.  
 TOTAL GARAGE SQUARE FOOTAGE = 101 S.F.

*Joseph Wilkins, 2-26-20  
 Approval Wilkins*

DATE:  
 JUNE 5, 2019

REVISIONS  
 DATE:

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PROJECT NAME:  
 EXCLUSIVE PLAN FOR  
 FREEDOM FAMILY HOMES

**HAMPTON-A ~ WILKINS**

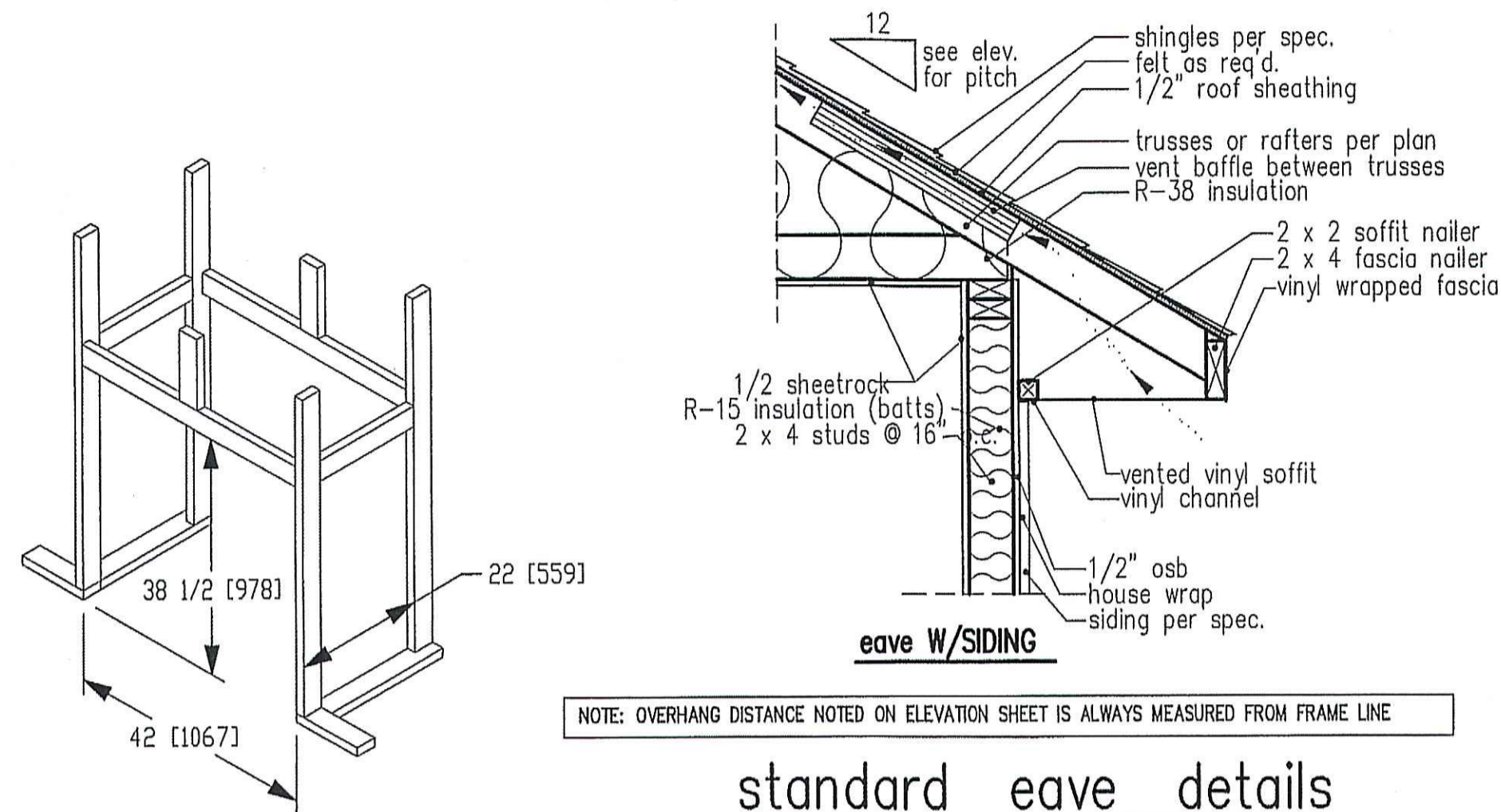
SCALE: 1/4" = 1'-0"  
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 PLOTTED ON 24" x 36" IT HAS  
 BEEN REVISED FROM ITS  
 ORIGINAL SIZE. SCALE IS NO  
 LONGER APPLICABLE.

SHEET TITLE:

HVAC

SHEET NO.

**5**



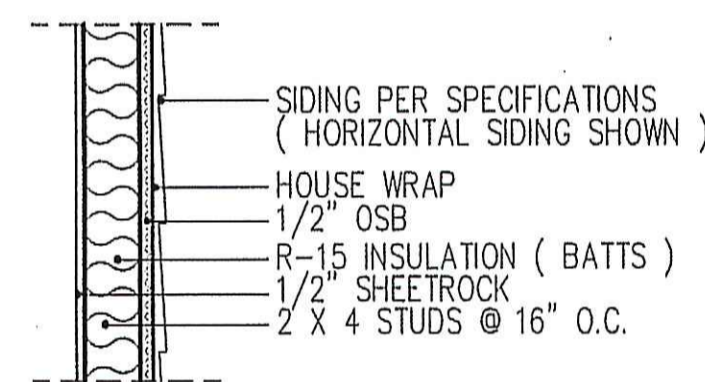
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

standard eave details

DIMENSIONS IN ( ) ARE MM

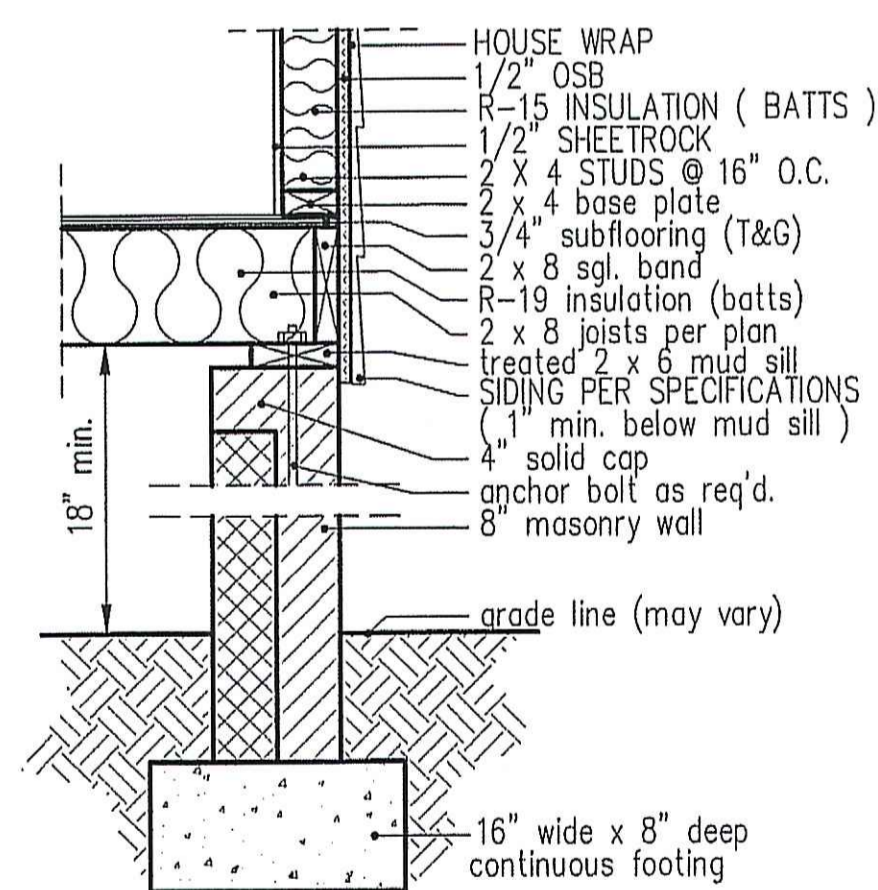
Model	Height	Front Width		Back Width		Depth	Glass Size	BTU Input
		Actual	Framing	Actual	Framing			
6000-TR								
Inches	38	38-1/2	41	42	28-1/2	42	21-1/2	22

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

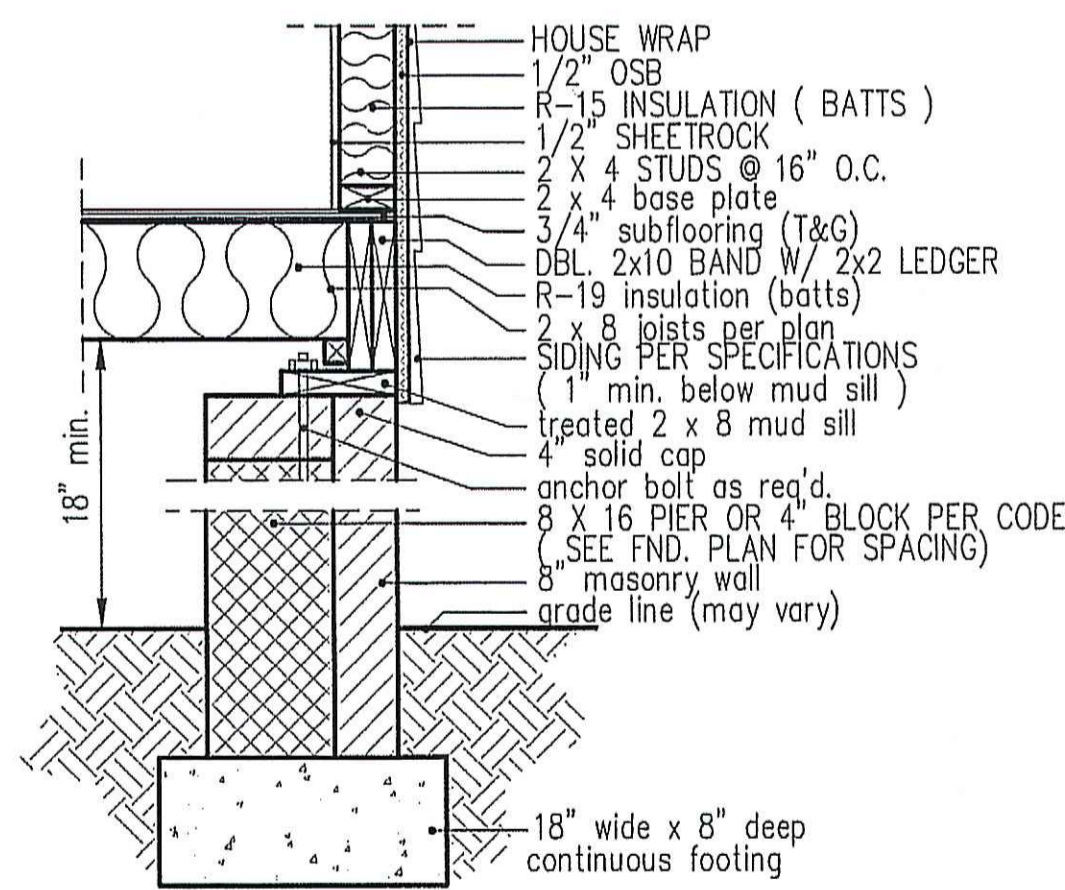


WALL W/siding

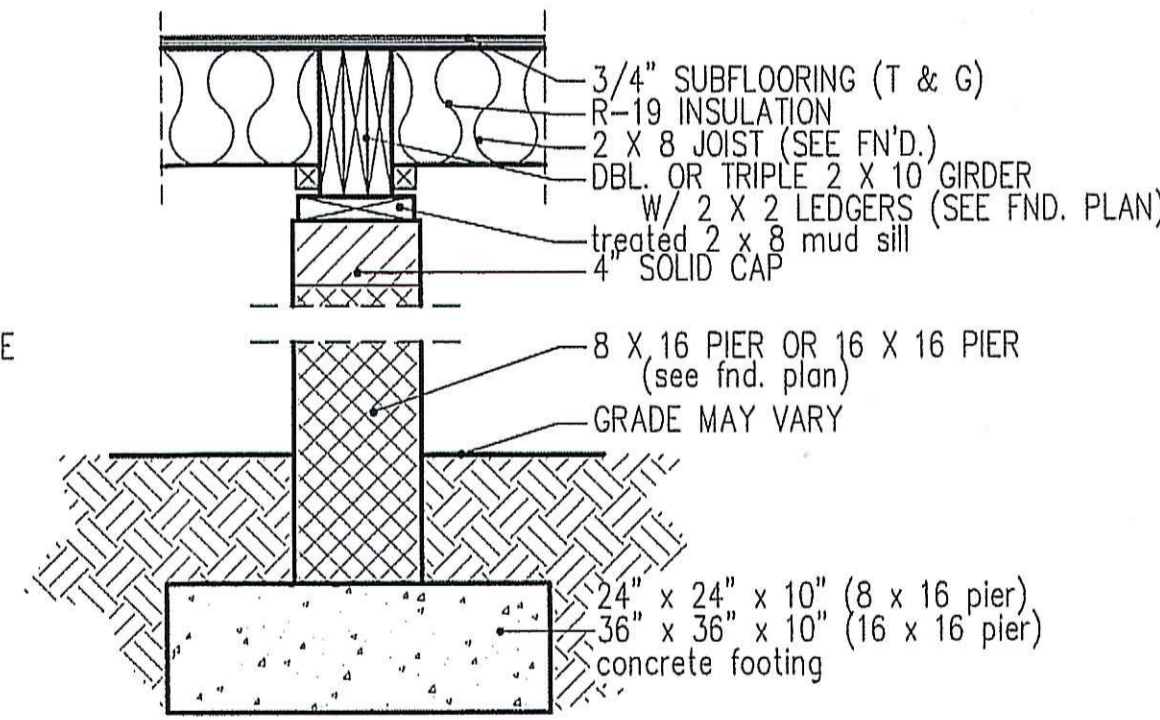
intermediate wall details



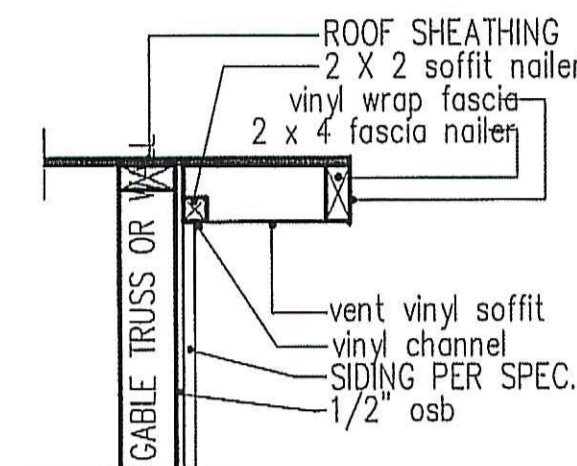
8" BOX SILL FOUNDATION WALL



PIER and CURTAIN FOUNDATION WALL



PIER and GIRDER DETAIL



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

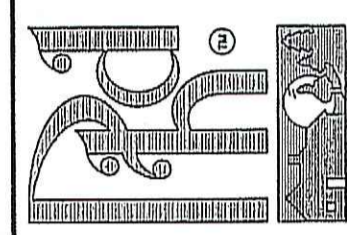
HEADER SPAN (feet)	MAX. STUD SPACING (inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
6'	3	2
12'	5	3
16'	6	4

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).

DATE:  
JUNE 5, 2019

REVISIONS  
DATE:

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EXCLUSIVE PLAN FOR  
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PROJECT NAME:

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SHEET TITLE:

TYPICAL DETAILS

SHEET NO.

6

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