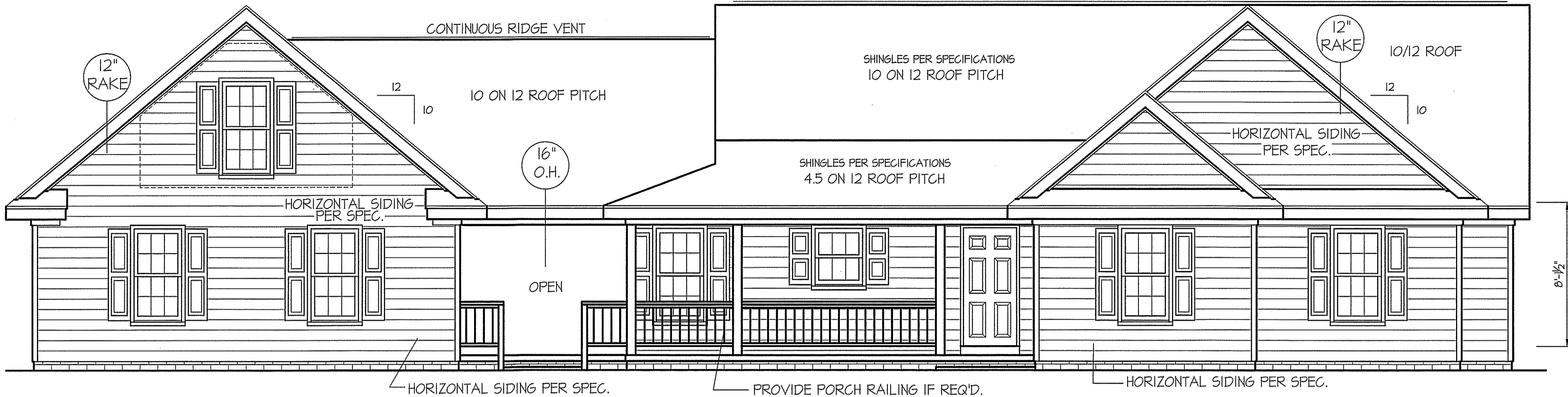


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

CONTINUOUS RIDGE VENT



**FRONT ELEVATION**

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

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

ROOF VENTILATION REQ'MTS.  
2442 ATTIC SQ. FT. / 300 = 8.14

PROVIDED ON PLAN  
121 L.F. RIDGE VENT = 22.68  
164 L.F. SOFFIT VENT = 10.25  
TOTAL = 32.93 S.F. FREE NET AREA

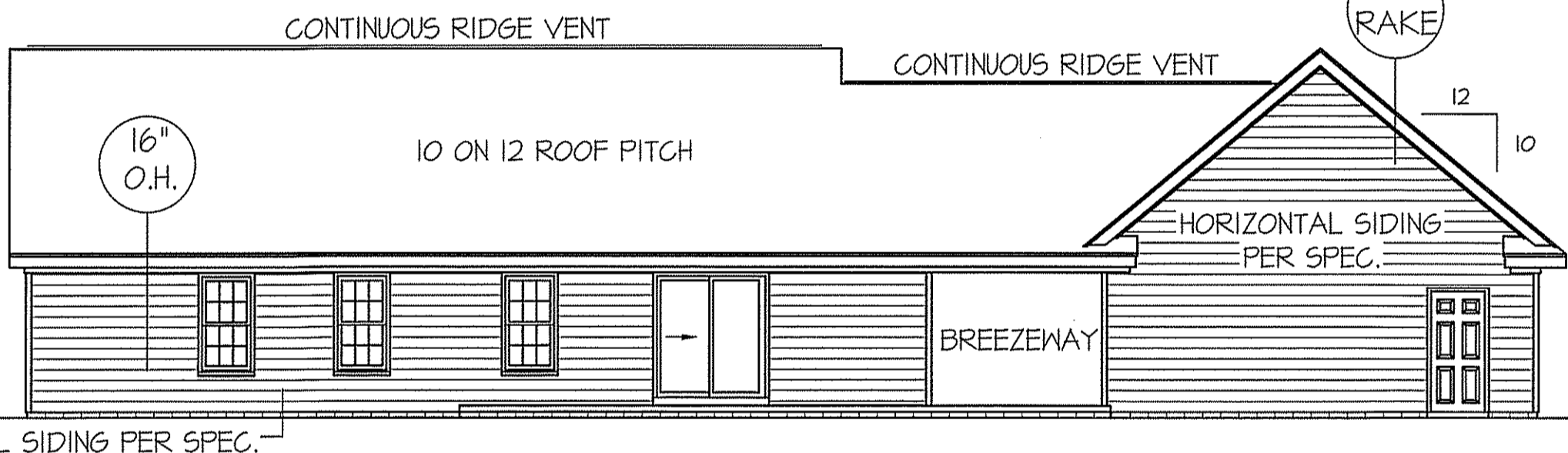
**INSULATION and FENESTRATION REQUIREMENTS**

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	5/13	10/15
MIN. SLAB R-VALUE	0	R-10

PROVIDE STEPS AS REQUIRED  
GRADE MAY VARY - BUILDER TO VERIFY

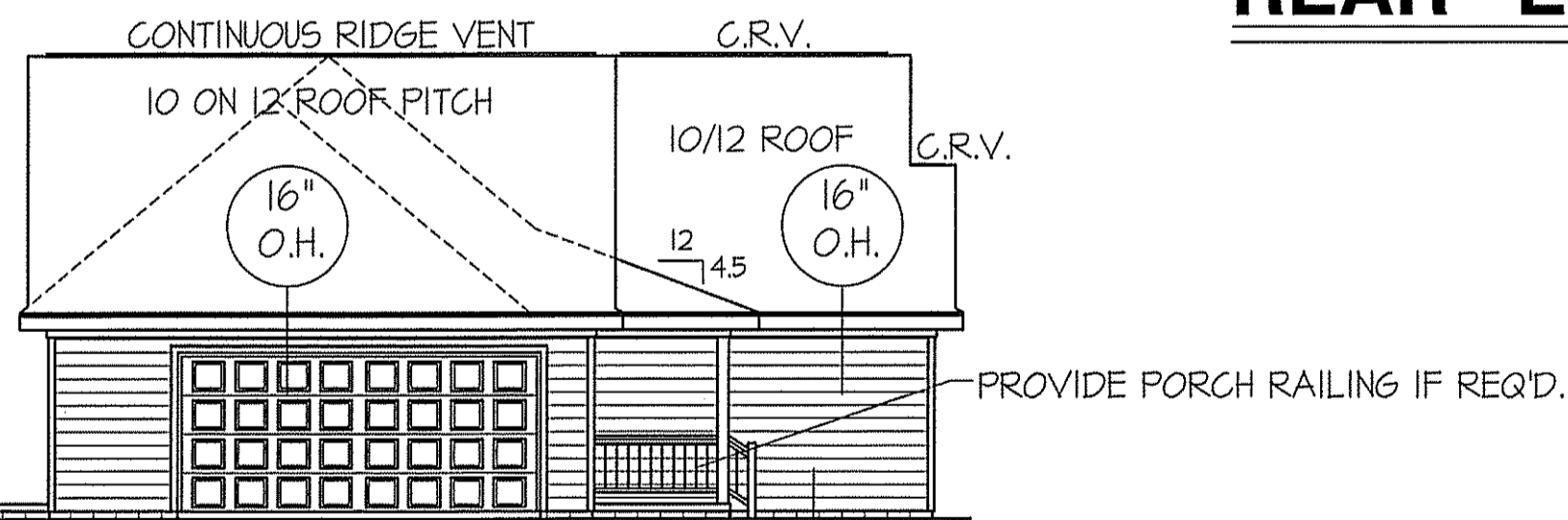
**WIND ZONES (PER TABLE R301.2(4))**

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115



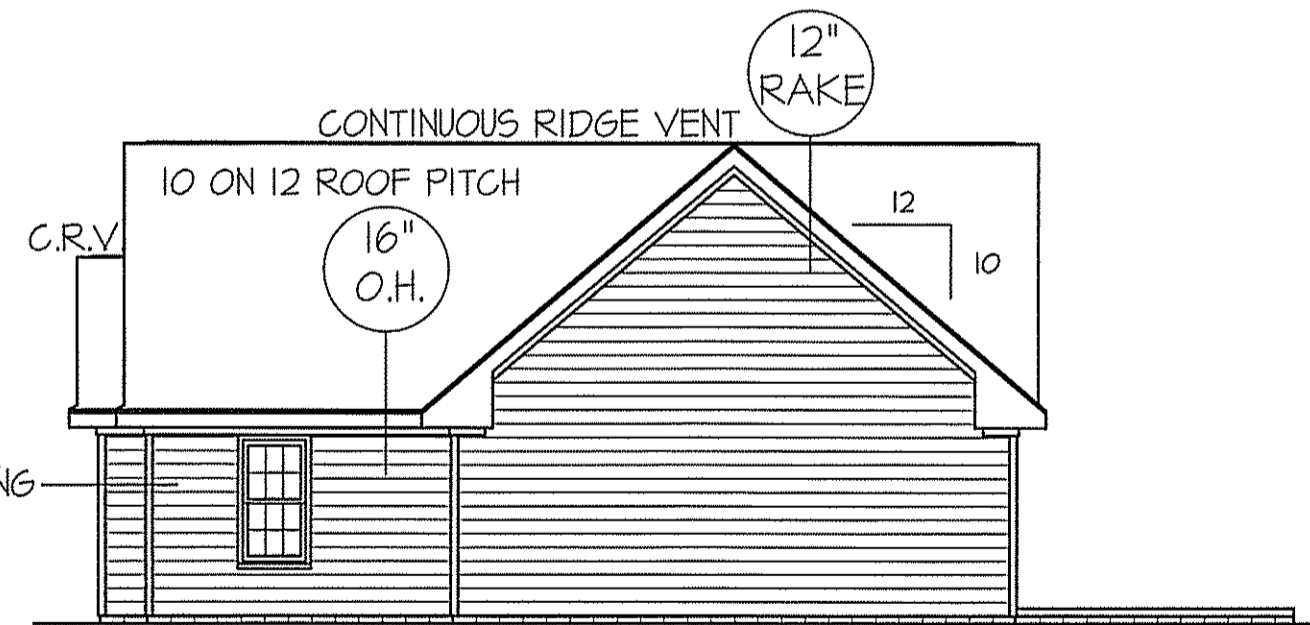
**REAR ELEVATION**

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



**LEFT ELEVATION**

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

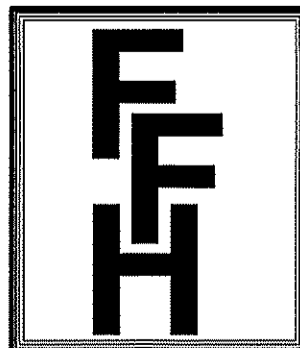


**RIGHT ELEVATION**

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

MAIN COMPUTER FILE: FFH - CHADWICK~YARBOROUGH - SETP - 2022

DATE:  
OCT. 3, 2022

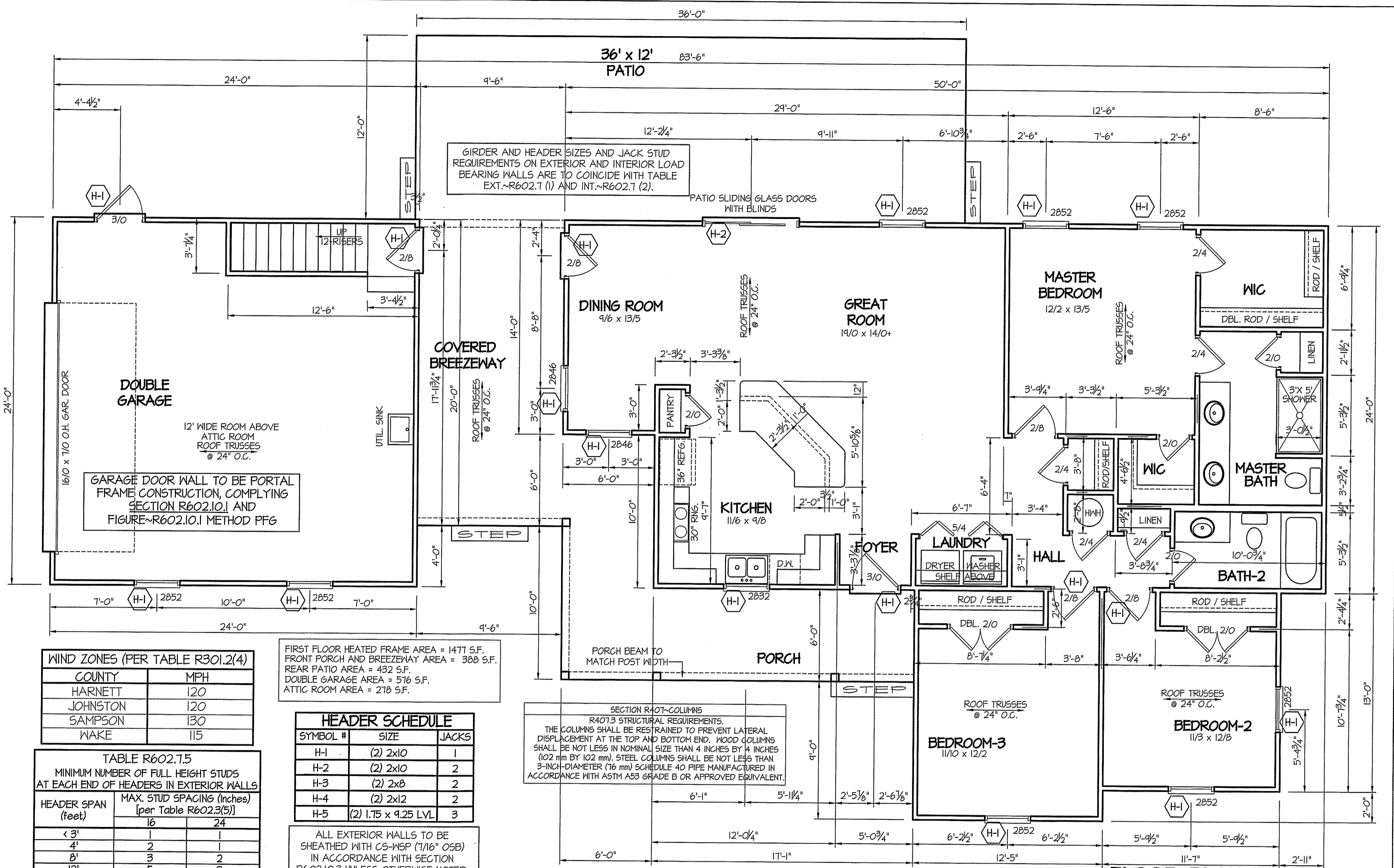


**FREEDOM FAMILY HOMES**  
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DUNN, N.C. - 28335  
O: (910) 892-1231 FAX: (910) 892-5680  
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PLAN: **EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
CHADWICK~YARBOROUGH**

SHEET NO.  
**1**

MAIN COMPUTER FILE: FFH - CHADWICK-YARBOROUGH - SETP.-2022



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

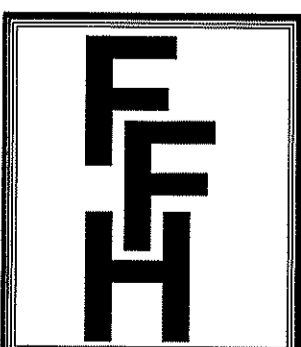
TABLE R602.7.5 MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS		
HEADER SPAN (feet)	MAX. STUD SPACING (Inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

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

ALL EXTERIOR WALLS TO BE SHEATHED WITH C5-WSP (7/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

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

DATE:  
OCT. 3, 2022



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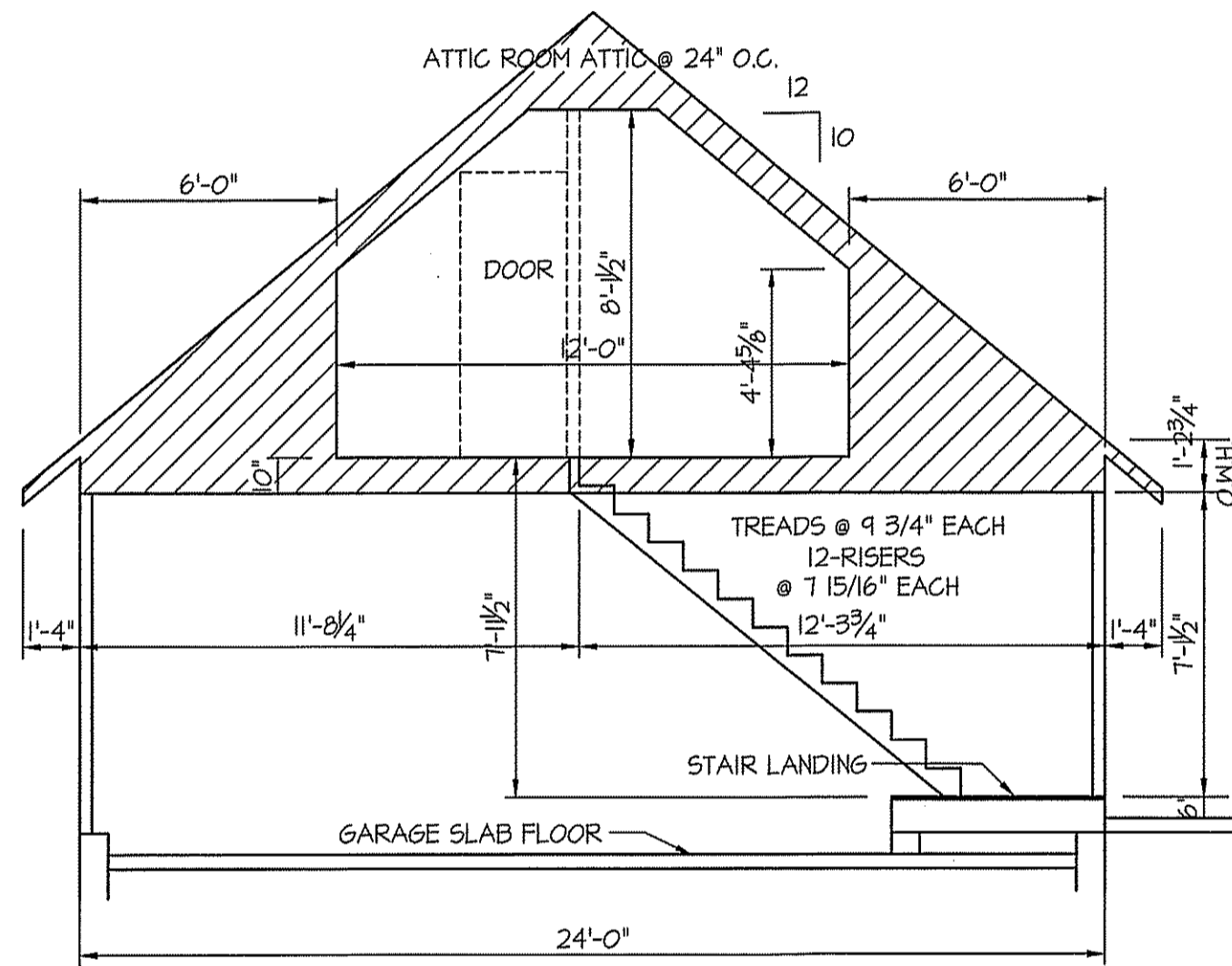
PLAN: **EXCLUSIVE PLAN FOR FREEDOM FAMILY HOMES CHADWICK~YARBOROUGH**

SHEET NO.  
**2**

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

8' CEILINGS UNLESS OTHERWISE NOTED

MAIN COMPUTER FILE: FFH - CHADWICK~YARBOROUGH -SETP -2022



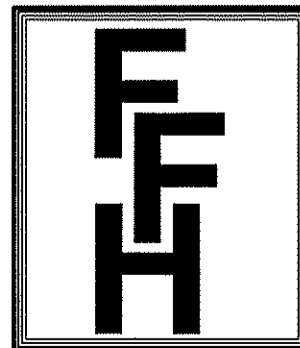
**SECTION THRU GARAGE**  
SCALE: 1/4" = 1'-0"



**ATTIC ROOM FLOOR PLAN**

SCALE: 1/4" = 1'-0"  
ATTIC ROOM AREA = 278 S.F.

DATE:  
OCT. 3, 2022

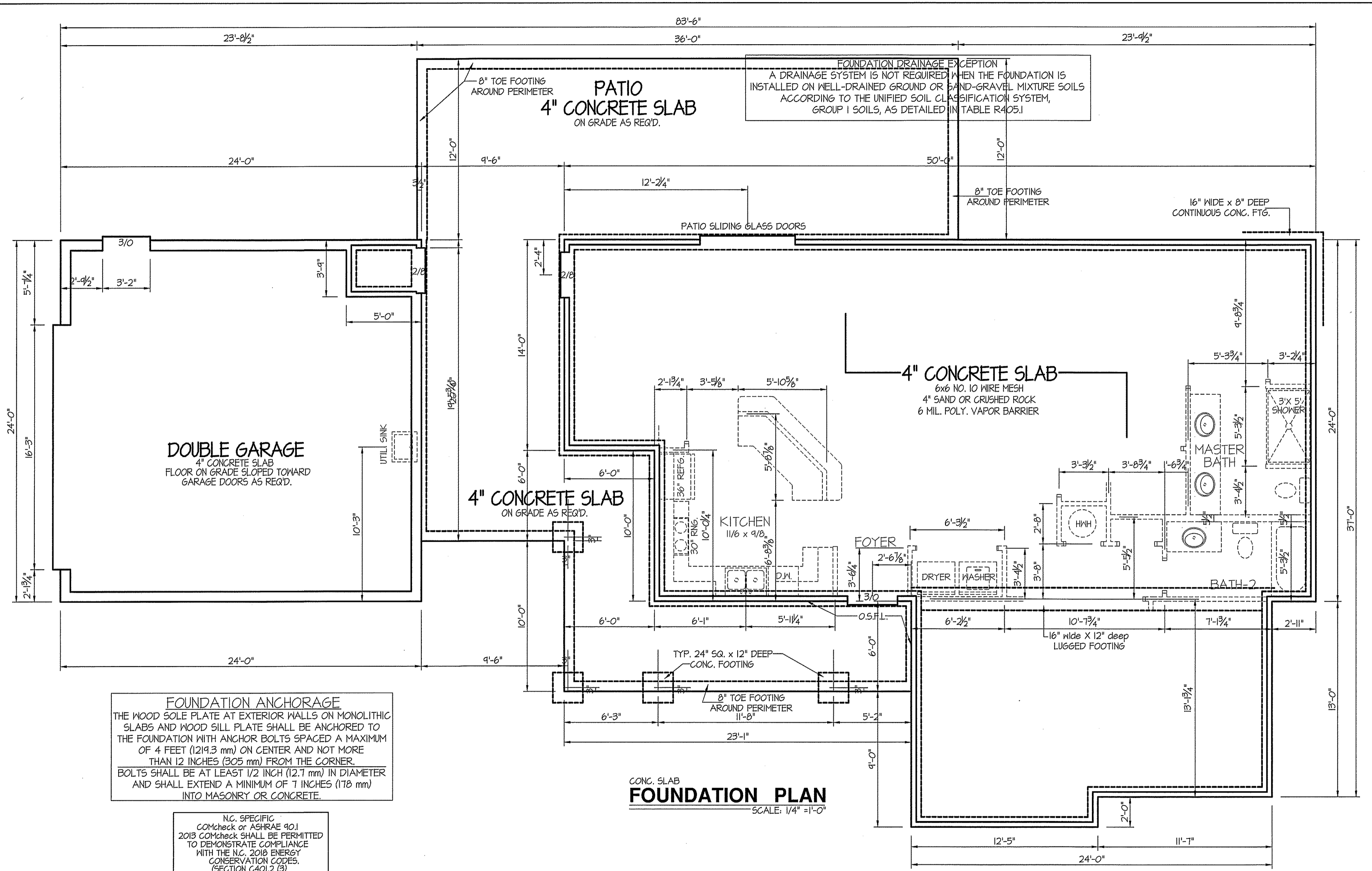


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PLAN: **EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
CHADWICK~YARBOROUGH**

SHEET NO.  
**3**

MAIN COMPUTER FILE: FFH - CHADWICK-YARBOROUGH -SETP-2022

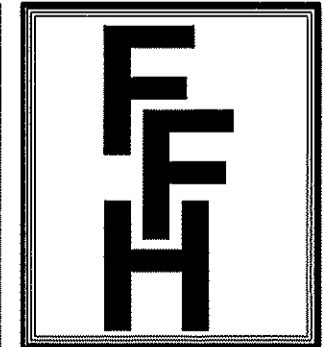


**FOUNDATION ANCHORAGE**  
 THE WOOD SOLE PLATE AT EXTERIOR WALLS ON MONOLITHIC SLABS AND WOOD SILL PLATE SHALL BE ANCHORED TO THE FOUNDATION WITH ANCHOR BOLTS SPACED A MAXIMUM OF 4 FEET (1219.3 mm) ON CENTER AND NOT MORE THAN 12 INCHES (305 mm) FROM THE CORNER. BOLTS SHALL BE AT LEAST 1/2 INCH (12.7 mm) IN DIAMETER AND SHALL EXTEND A MINIMUM OF 7 INCHES (178 mm) INTO MASONRY OR CONCRETE.

N.C. SPECIFIC  
 COMcheck or ASHRAE 90.1  
 2013 COMcheck SHALL BE PERMITTED TO DEMONSTRATE COMPLIANCE WITH THE N.C. 2018 ENERGY CONSERVATION CODES, (SECTION C401.2 (3))

CONC. SLAB  
**FOUNDATION PLAN**  
 SCALE: 1/4" = 1'-0"

DATE:  
 OCT. 3, 2022



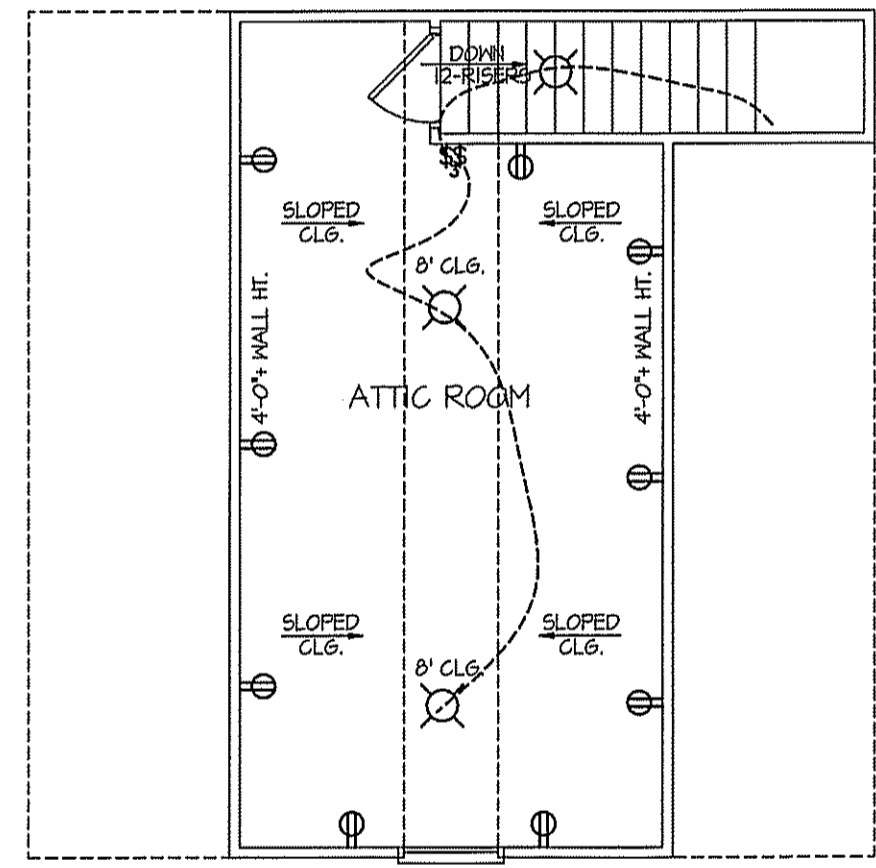
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PLAN: **EXCLUSIVE PLAN FOR  
 FREEDOM FAMILY HOMES  
 CHADWICK~YARBOROUGH**

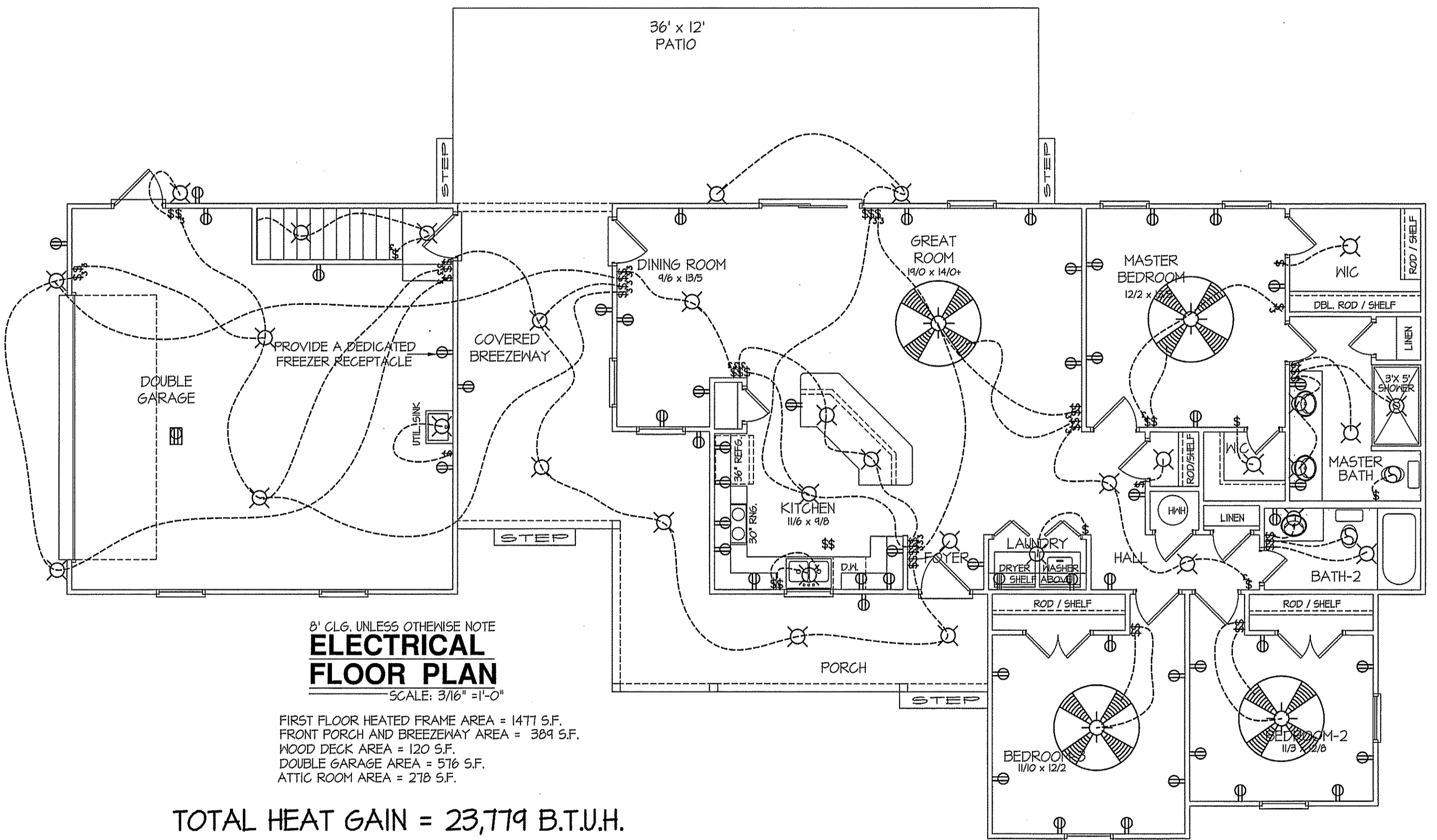
SHEET NO.  
**4**

MAIN COMPUTER FILE: FFH - CHADWICK-YARBOROUGH -SETP-2022

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		

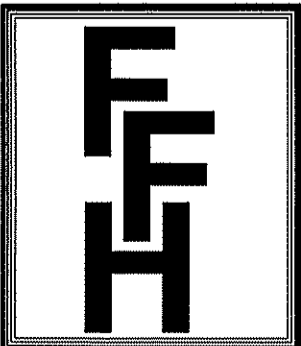


**ATTIC ROOM FLOOR PLAN**  
 SCALE: 3/16" = 1'-0"  
 ATTIC ROOM AREA = 278 S.F.  
 TOTAL HEAT GAIN = 4,726 B.T.U.H.  
 TOTAL HEAT LOSS = 7,228 B.T.U.H.



TOTAL HEAT GAIN = 23,779 B.T.U.H.  
 TOTAL HEAT LOSS = 37,589 B.T.U.H.

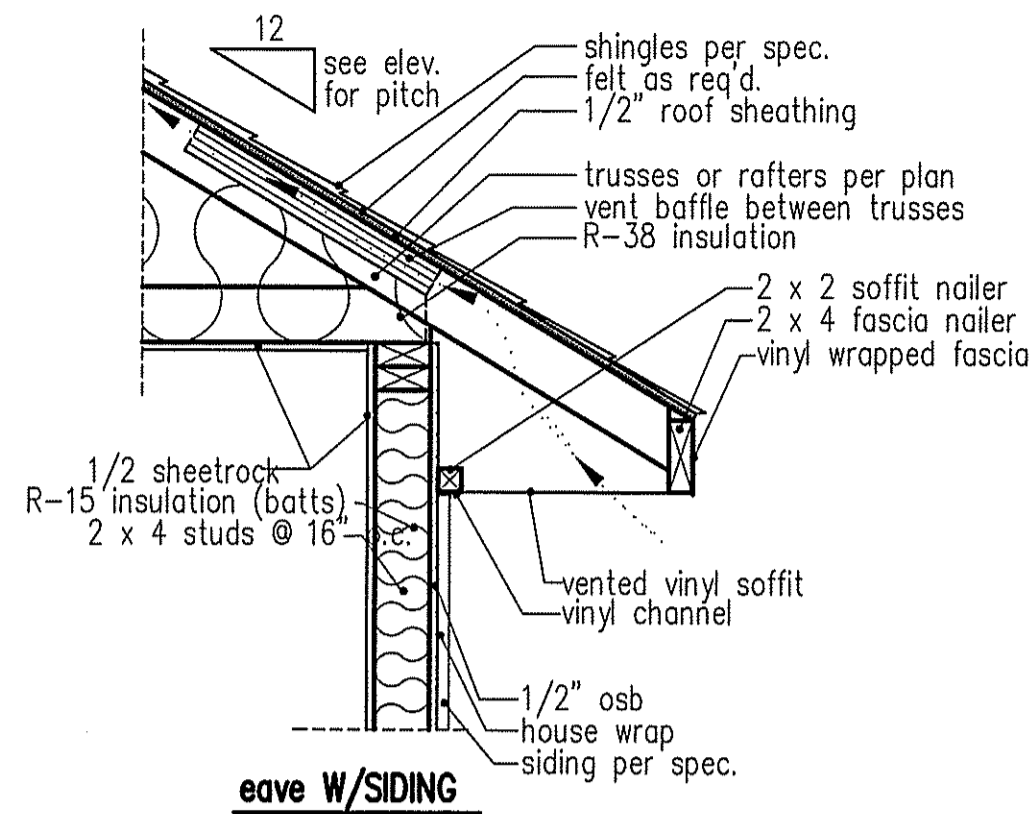
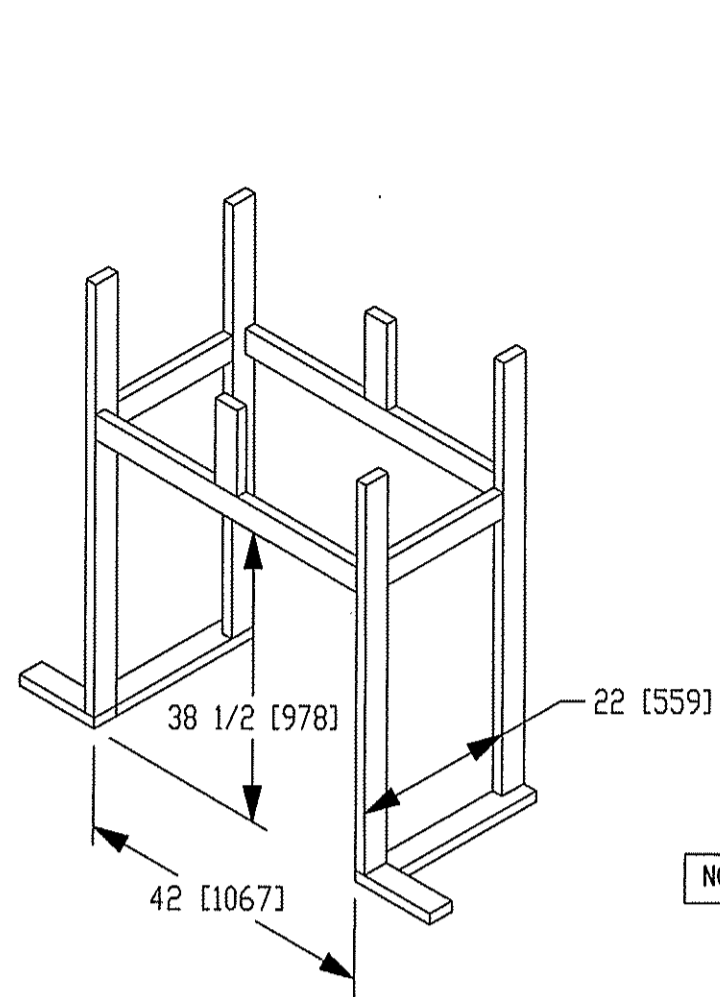
DATE:  
 OCT. 5, 2022



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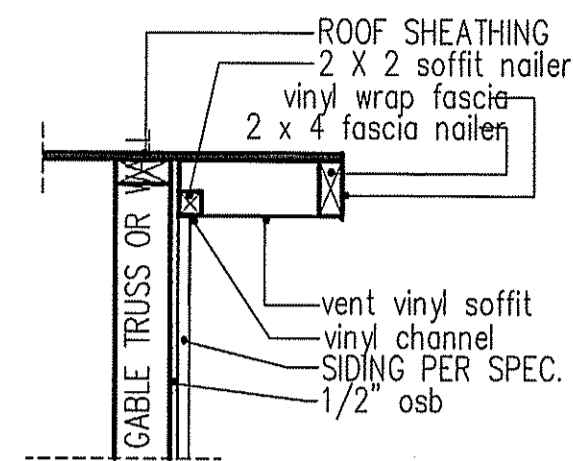
PLAN: **EXCLUSIVE PLAN FOR  
 FREEDOM FAMILY HOMES  
 CHADWICK~YARBOROUGH**

SHEET NO.  
**5**



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

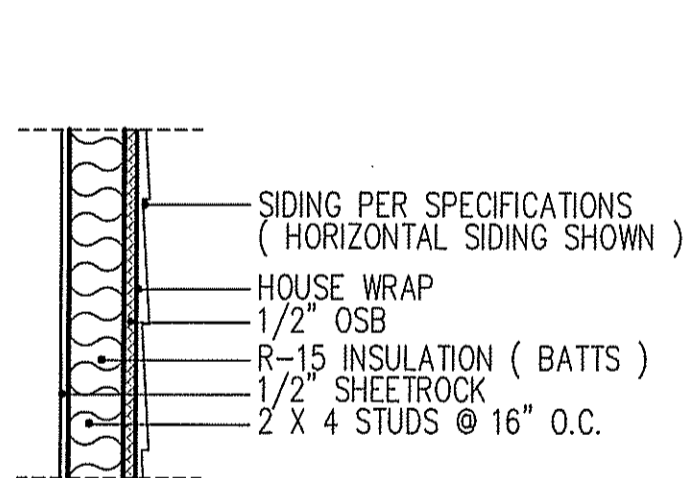
#### SPECIFICATIONS

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.

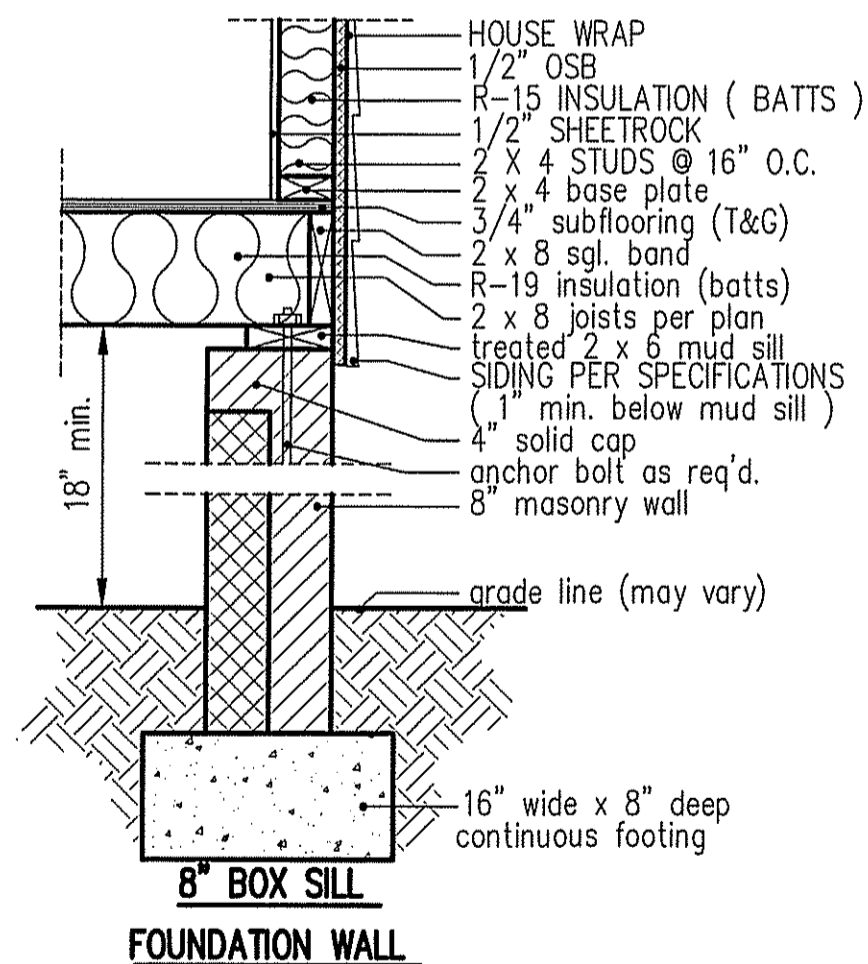
TABLE R602.7.5 MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS		
HEADER SPAN (feet)	MAX. STUD SPACING (Inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

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).

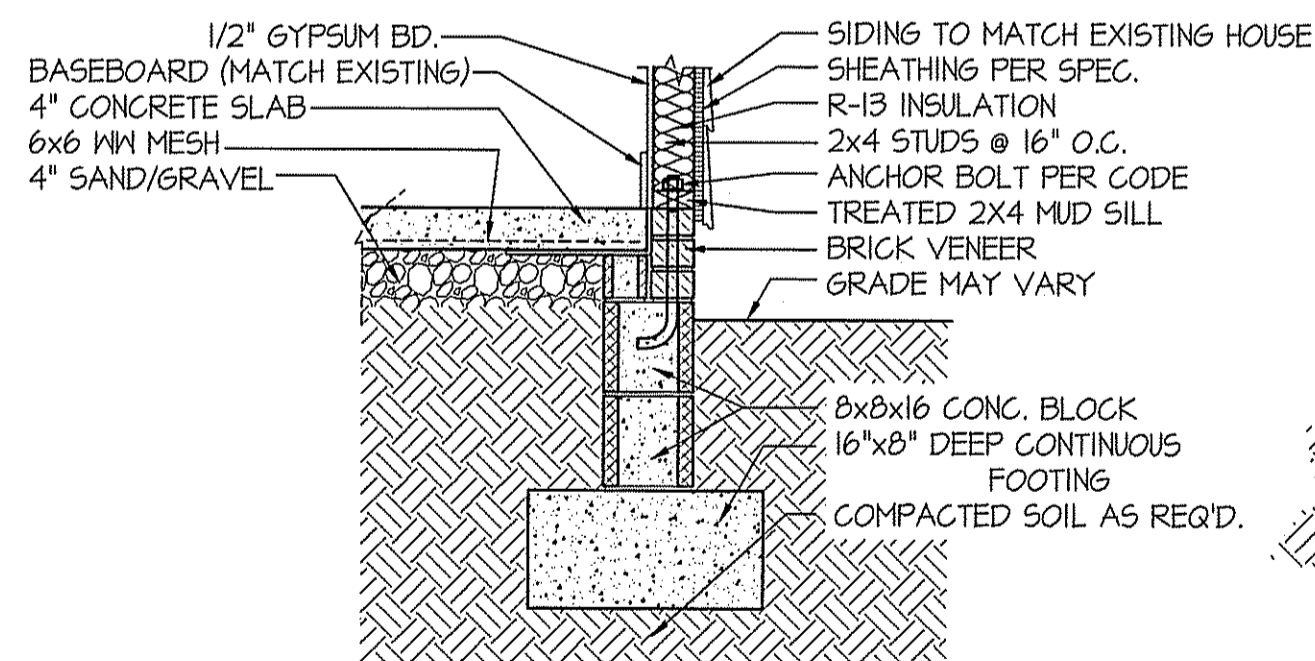


### WALL w/siding

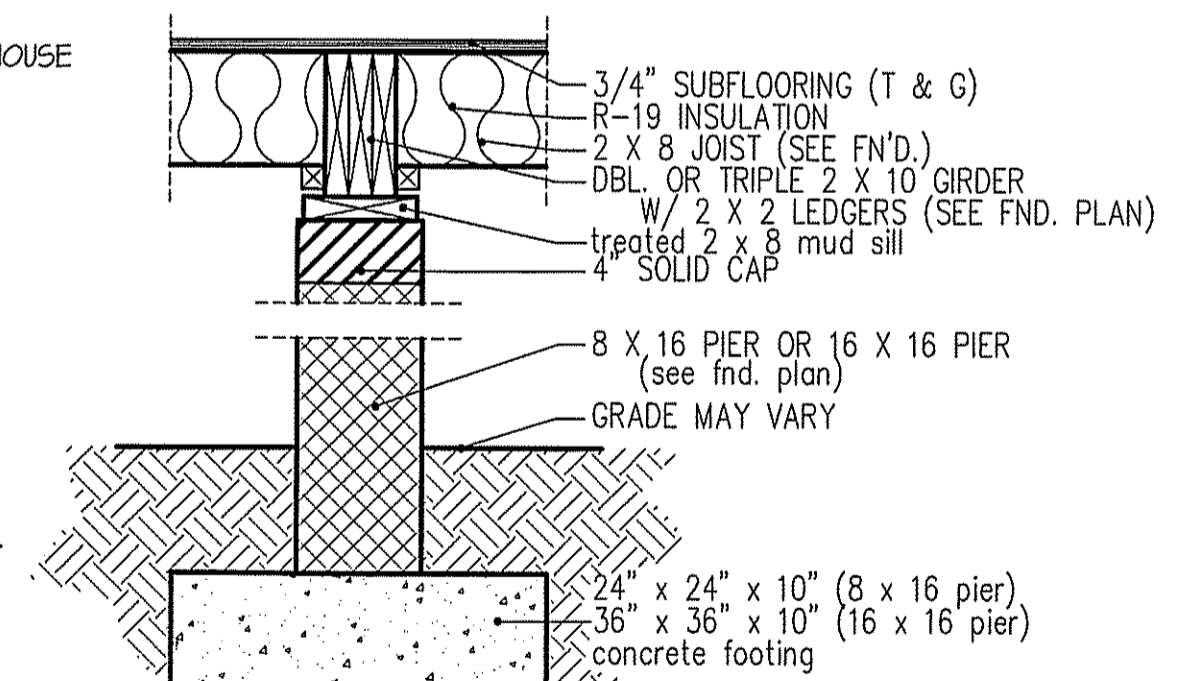
### intermediate wall details



### 8" BOX SILL FOUNDATION WALL



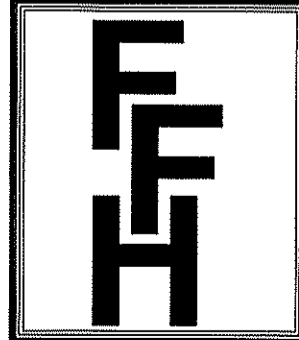
### STEM WALL W/ CONC. SLAB FOUNDATION WALL



### PIER and GIRDER DETAIL

DATE:

OCT. 3, 2022



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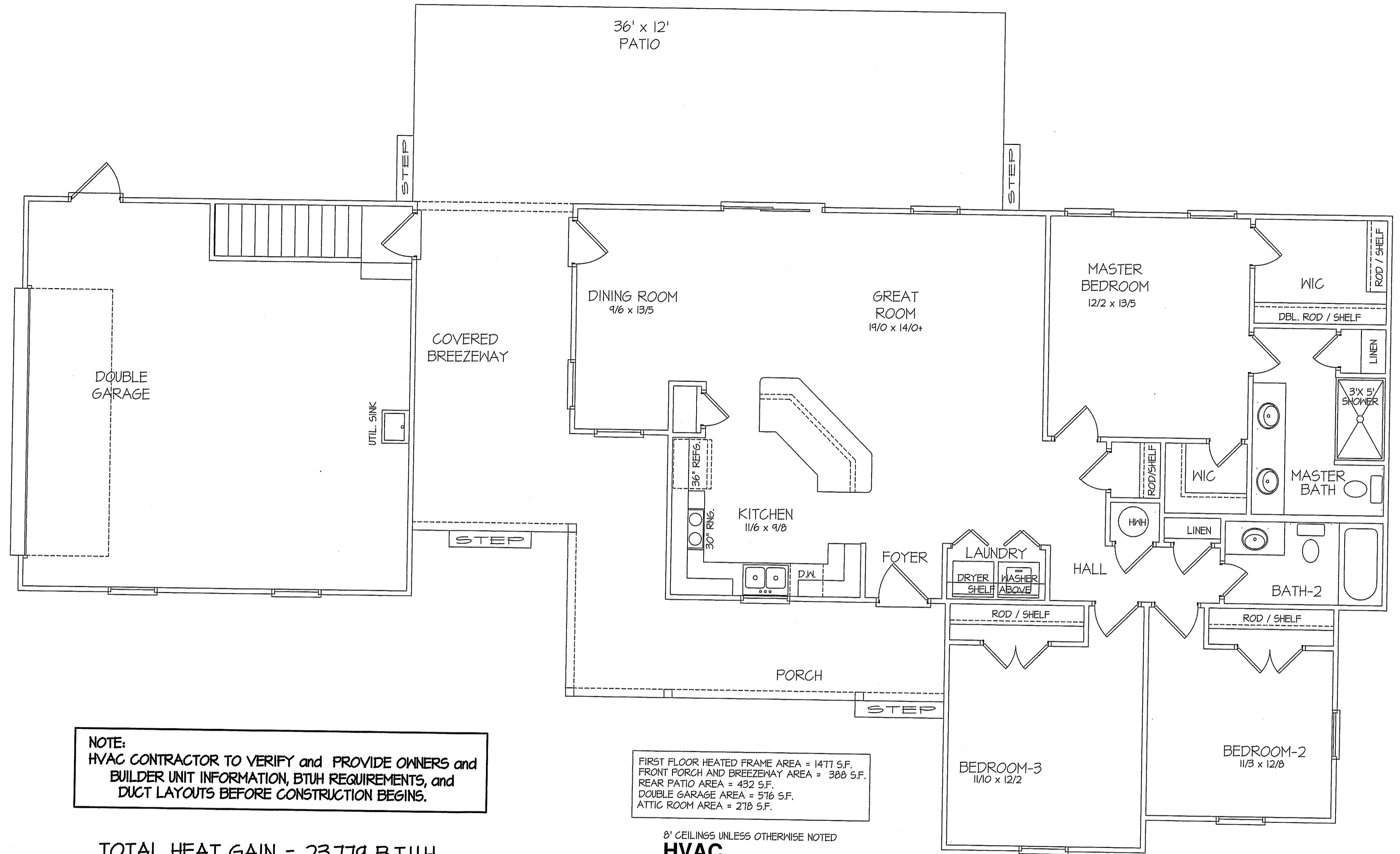
PLAN:

**EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
CHADWICK~YARBOROUGH**

SHEET NO.

**6**

MAIN COMPUTER FILE: FFH - CHADWICK~YARBOROUGH -SETP -2022



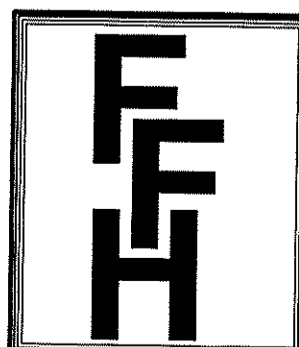
**NOTE:**  
HVAC CONTRACTOR TO VERIFY and PROVIDE OWNERS and BUILDER UNIT INFORMATION, BTUH REQUIREMENTS, and DUCT LAYOUTS BEFORE CONSTRUCTION BEGINS.

FIRST FLOOR HEATED FRAME AREA = 1477 S.F.  
FRONT PORCH AND BREEZEWAY AREA = 388 S.F.  
REAR PATIO AREA = 432 S.F.  
DOUBLE GARAGE AREA = 576 S.F.  
ATTIC ROOM AREA = 278 S.F.

TOTAL HEAT GAIN = 23,779 B.T.U.H.  
TOTAL HEAT LOSS = 37,589 B.T.U.H.

8' CEILINGS UNLESS OTHERWISE NOTED  
**HVAC FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

DATE:  
OCT. 3, 2022



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PLAN: **EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
CHADWICK~YARBOROUGH**

SHEET NO.  
**7**