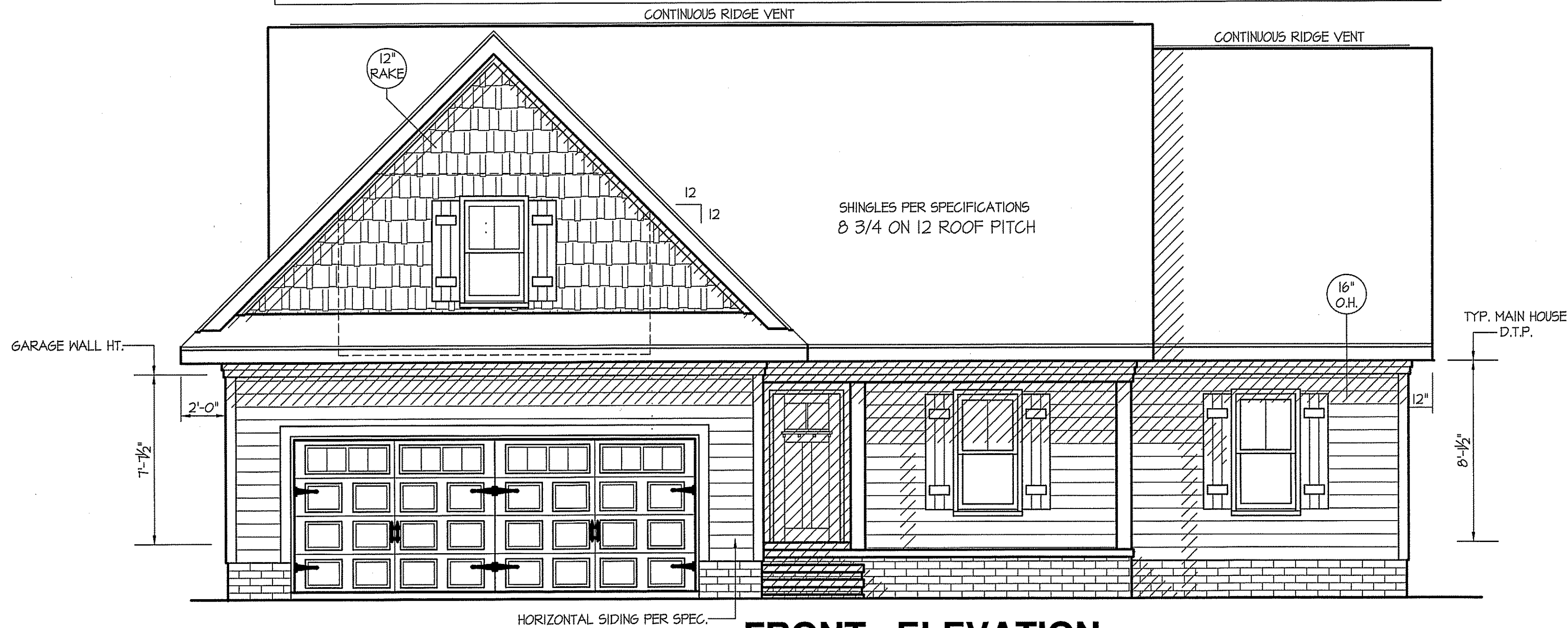


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION



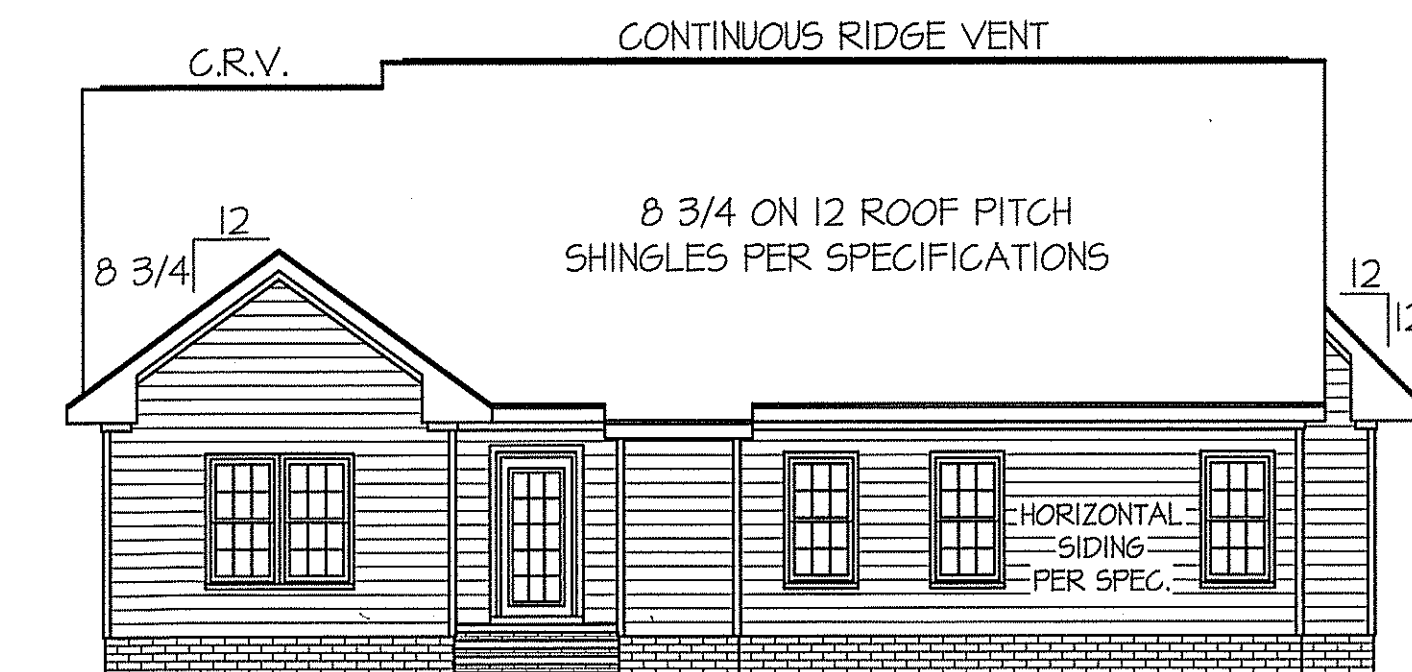
FRONT ELEVATION

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'TS.
2216 ATTIC SQ. FT. / 300 = 7.38

PROVIDED ON PLAN
89 L.F. RIDGE VENT = 16.68
122 L.F. SOFFIT VENT = 7.62
TOTAL = 24.30 S.F. FREE NET AREA



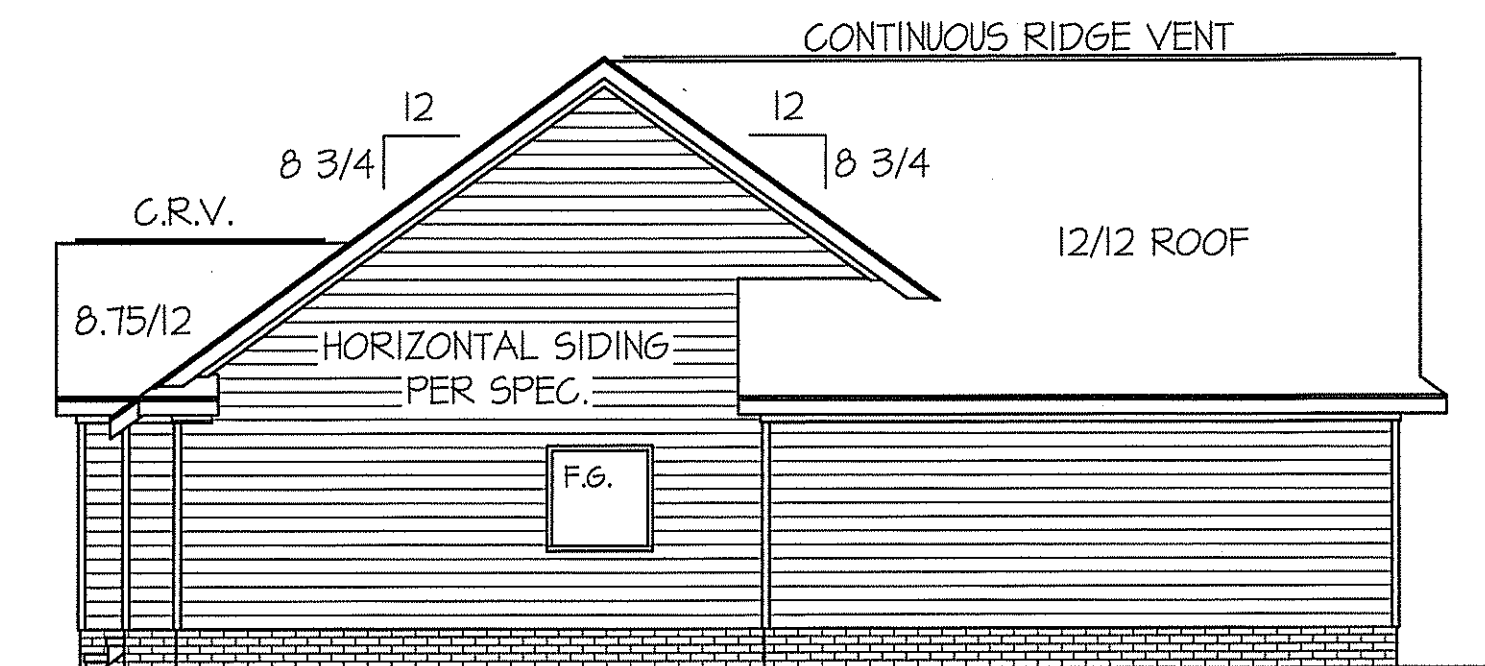
REAR ELEVATION

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

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

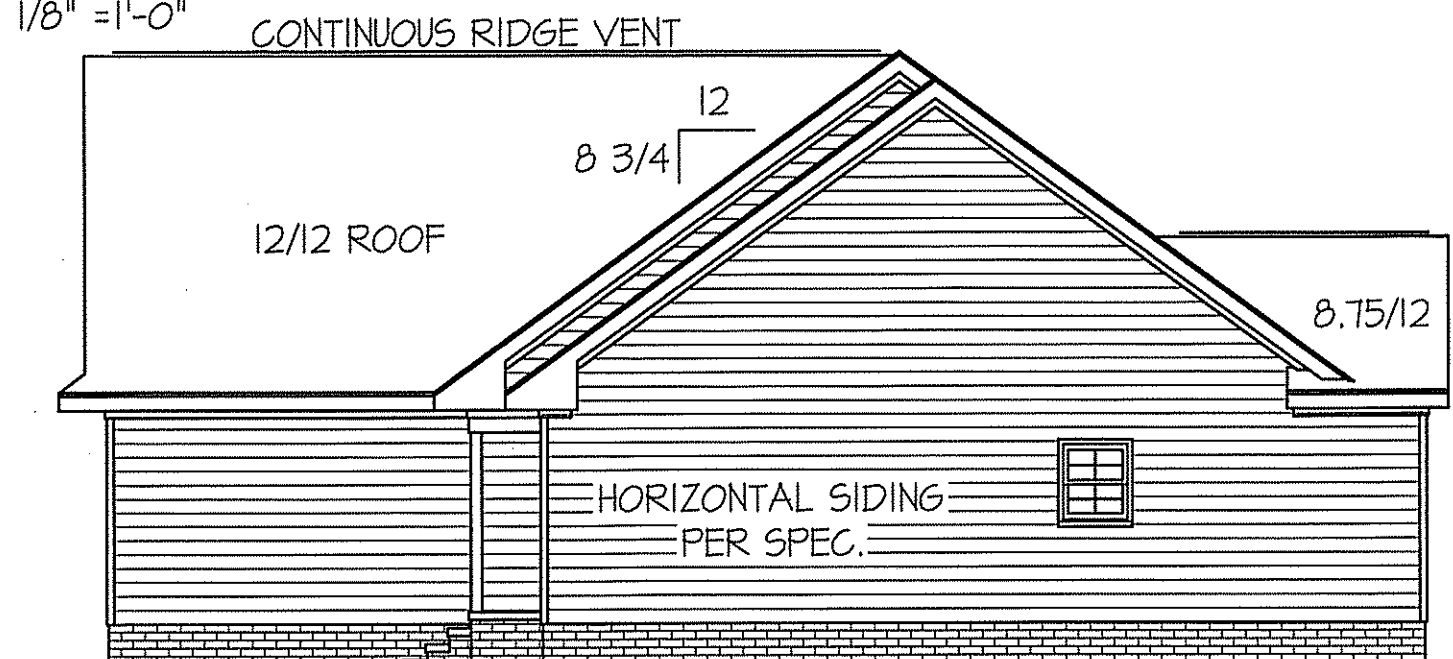
INSULATION and FENESTRATION REQUIREMENTS		
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-38	R-38
MINIMUM WALL R-VALUE	R-15, 13+2.5	R-15, 13+2.5
MINIMUM FLOOR R-VALUE	R-19	R-19
MIN. CRAWL SPACE WALL R-VALUE	5/13	10/15
MIN. SLAB R-VALUE	0	R-10

PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY



LEFT ELEVATION

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



RIGHT ELEVATION

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

DATE:

AUG. 28, 2025

FREEDOM FAMILY HOMES

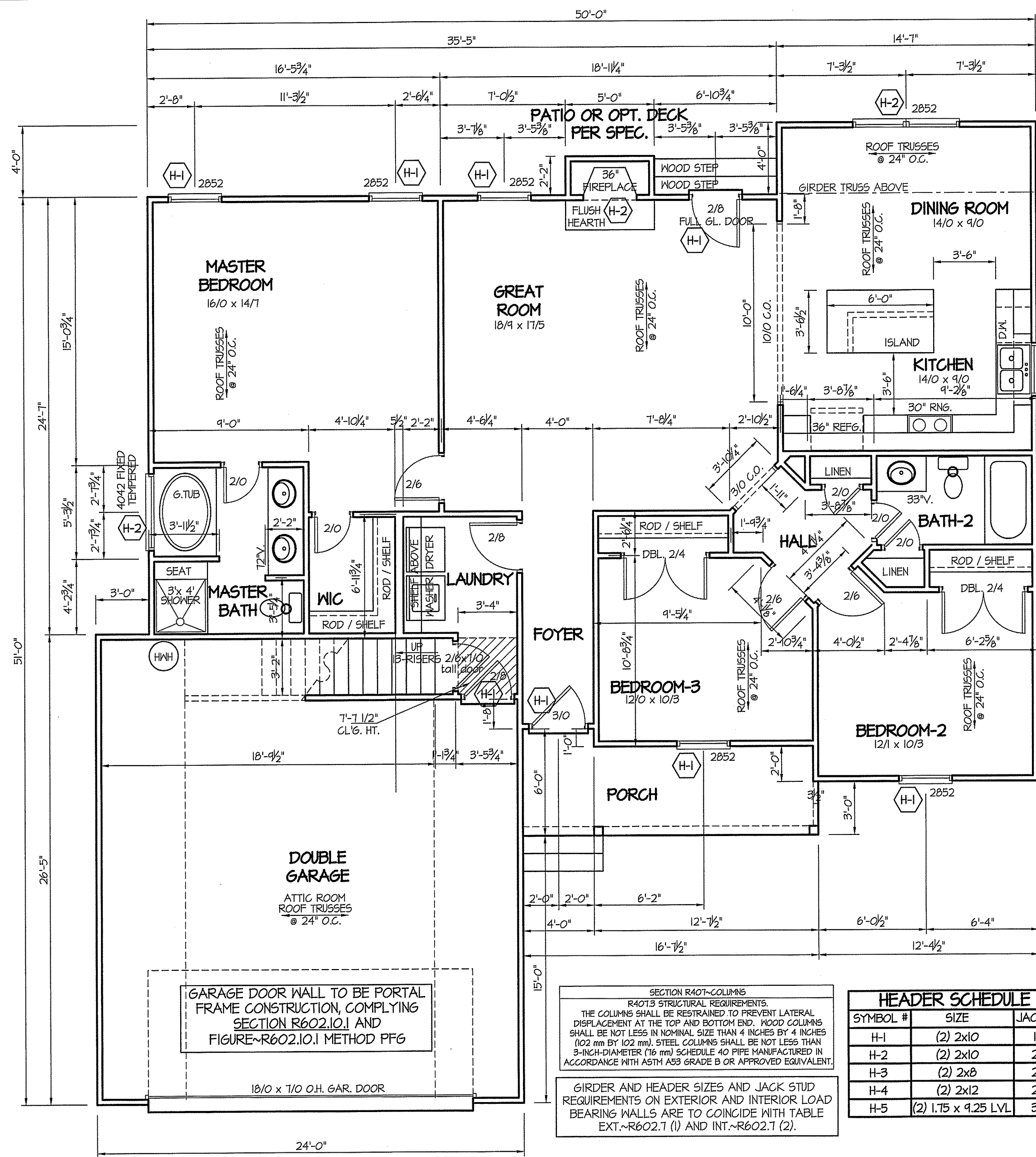
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EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
HIGH POINT ~ LEFT
W/ BONUS ROOM

SHEET NO.

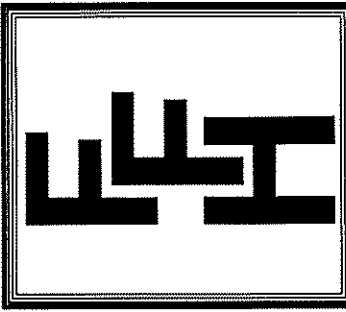
1



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

DATE:
AUG. 28, 2025

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HIGH POINT ~ LEFT
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SHEET NO.

2

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

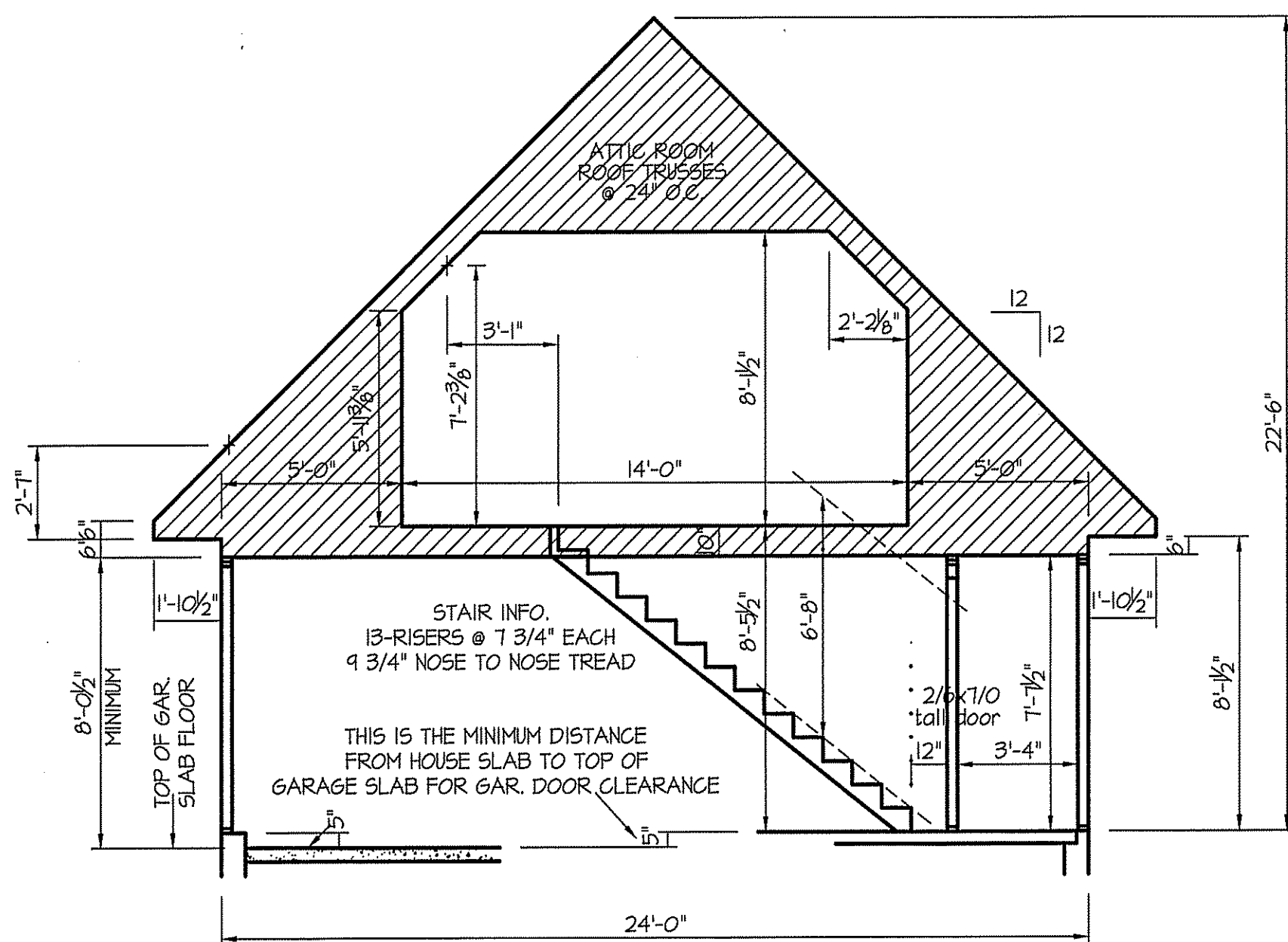
ALL EXTERIOR WALLS TO BE
SHEATHED WITH CS-WSP (7/16" OSB)
IN ACCORDANCE WITH SECTION
R602.10.3 UNLESS OTHERWISE NOTED.

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

FIRST FLOOR HEATED FRAME AREA = 1523 S.F.
PORCH AREA = 87 S.F.
ROOM ABOVE GARAGE = 380 S.F.
DOUBLE GARAGE AREA = 606 S.F.

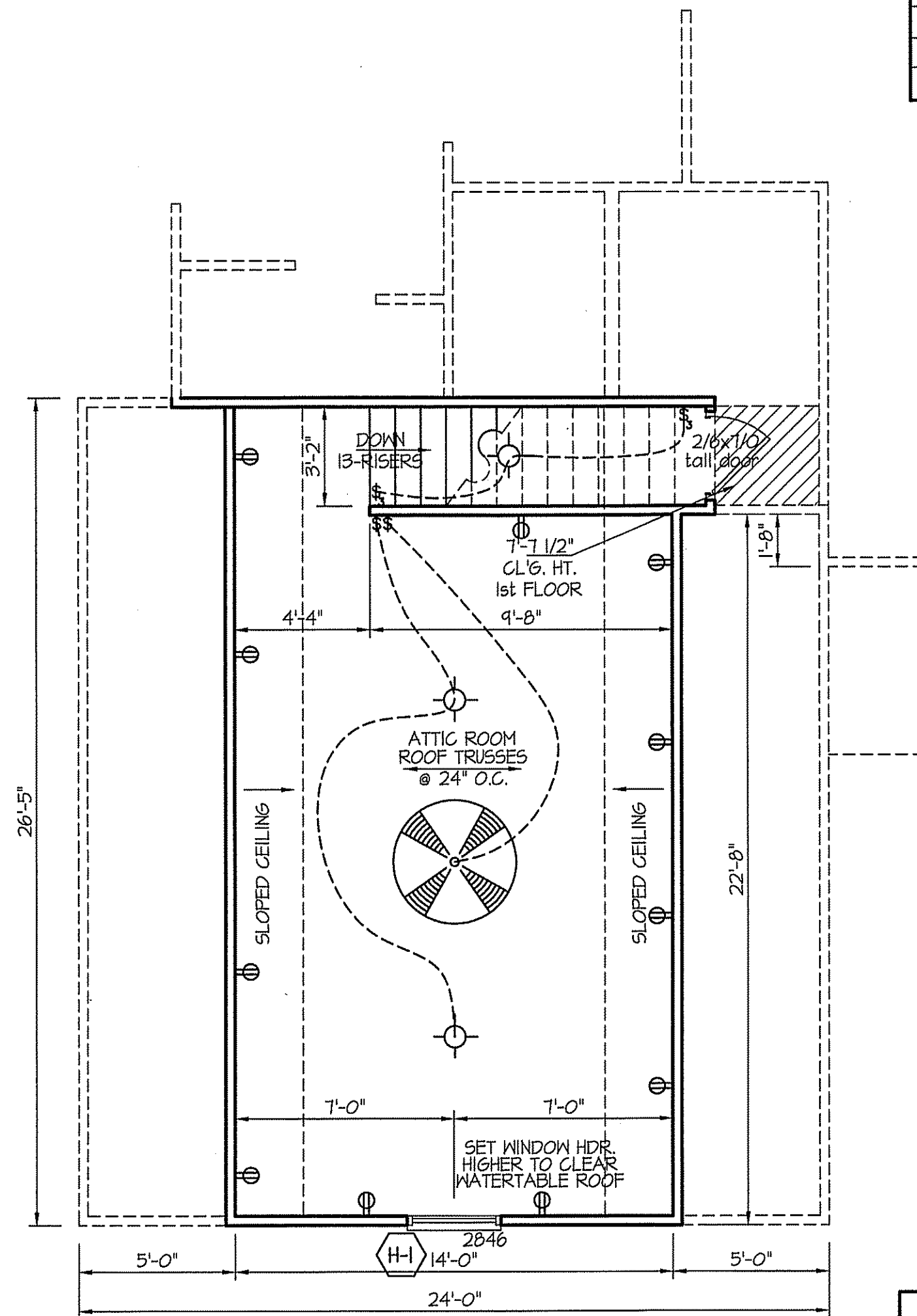
SECTION R407~COLUMNS R407.3 STRUCTURAL REQUIREMENTS. THE COLUMNS SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE TOP AND BOTTOM END. WOOD COLUMNS SHALL BE NOT LESS IN NOMINAL SIZE THAN 4 INCHES BY 4 INCHES (102 mm BY 102 mm). STEEL COLUMNS SHALL BE NOT LESS THAN 3-INCH-DIAMETER (16 mm) SCHEDULE 40 PIPE MANUFACTURED IN ACCORDANCE WITH ASTM A53 GRADE B OR APPROVED EQUIVALENT.
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).

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 THRU UPPER FLOOR

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



8' CEILINGS UNLESS OTHERWISE NOTED

UPPER FLOOR PLAN DIMENSIONS and ELEC.

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

TOTAL HEAT GAIN = 6,498 B.T.U.H.

TOTAL HEAT LOSS = 9,842 B.T.U.H.

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.

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

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 1.25 LVL	3

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

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

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

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

8' CEILINGS UNLESS OTHERWISE NOTED

FLOOR PLAN

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

FIRST FLOOR HEATED FRAME AREA = 1523 S.F.

PORCH AREA = 87 S.F.

ROOM ABOVE GARAGE = 380 S.F.

DOUBLE GARAGE AREA = 606 S.F.

DATE:

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HIGH POINT ~ LEFT
W/ BONUS ROOM

SHEET NO.

3

FOUNDATION DRAINAGE
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)
1511 S.F. (CRAWL) x .96 = 1450.56 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)
1511 S.F. (CRAWL) x .096 = 145.06 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 50 AS TO
PROVIDE CROSS-VENTILATION OF THE CRAWL SPACE.

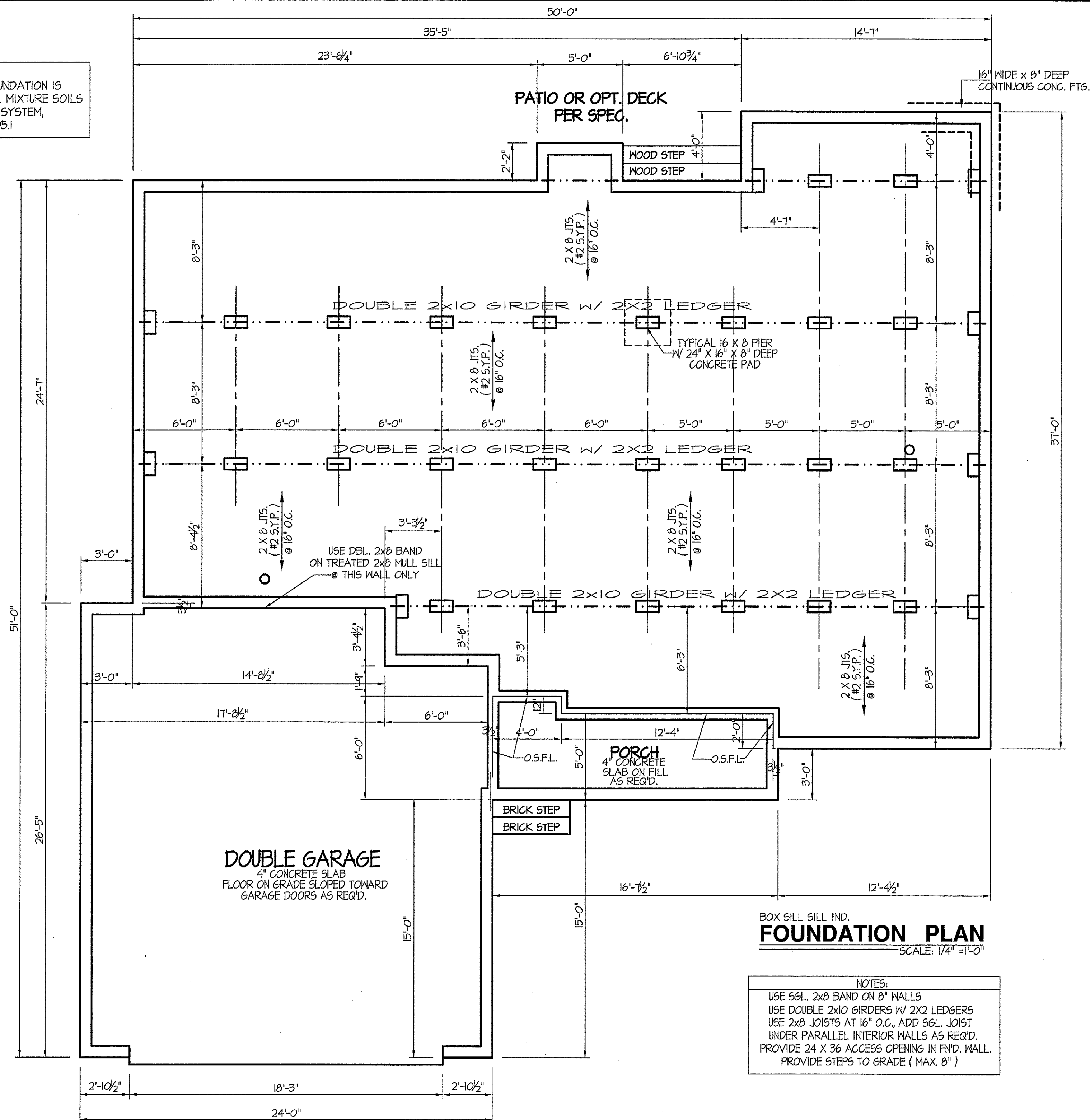
FOUNDATION ANCHORAGE

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 15 INCHES (178 mm)
INTO MASONRY OR CONCRETE.

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).



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HIGH POINT ~ LEFT
w/ BONUS ROOM

PLAN:

SHEET NO.

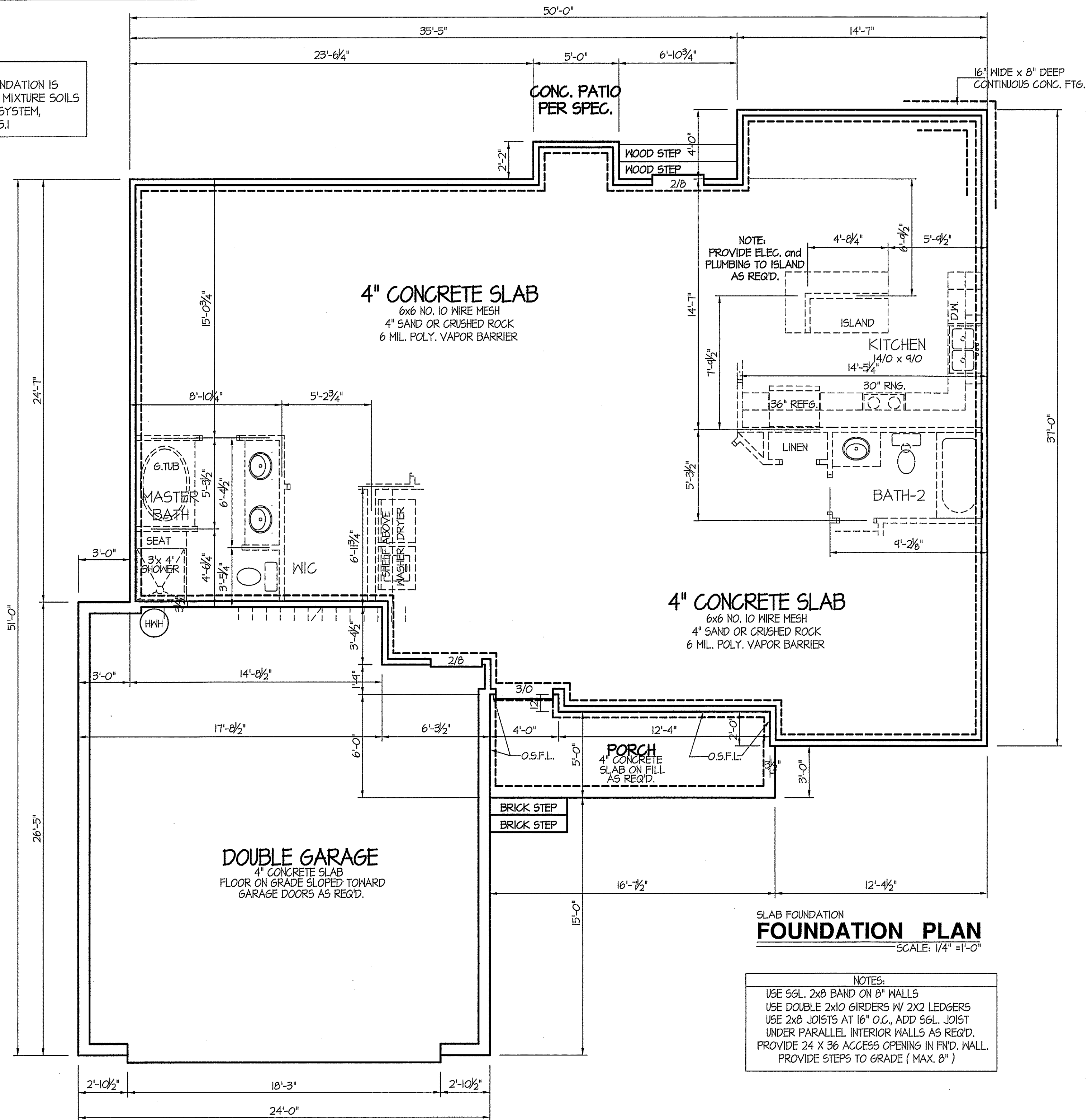
4
b/s

FOUNDATION DRAINAGE
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)
1511 S.F. (CRAWL) x .06 = 145.06 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)
1511 S.F. (CRAWL) x .096 = 145.06 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 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 15 INCHES (178 mm) INTO MASONRY OR CONCRETE.

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).



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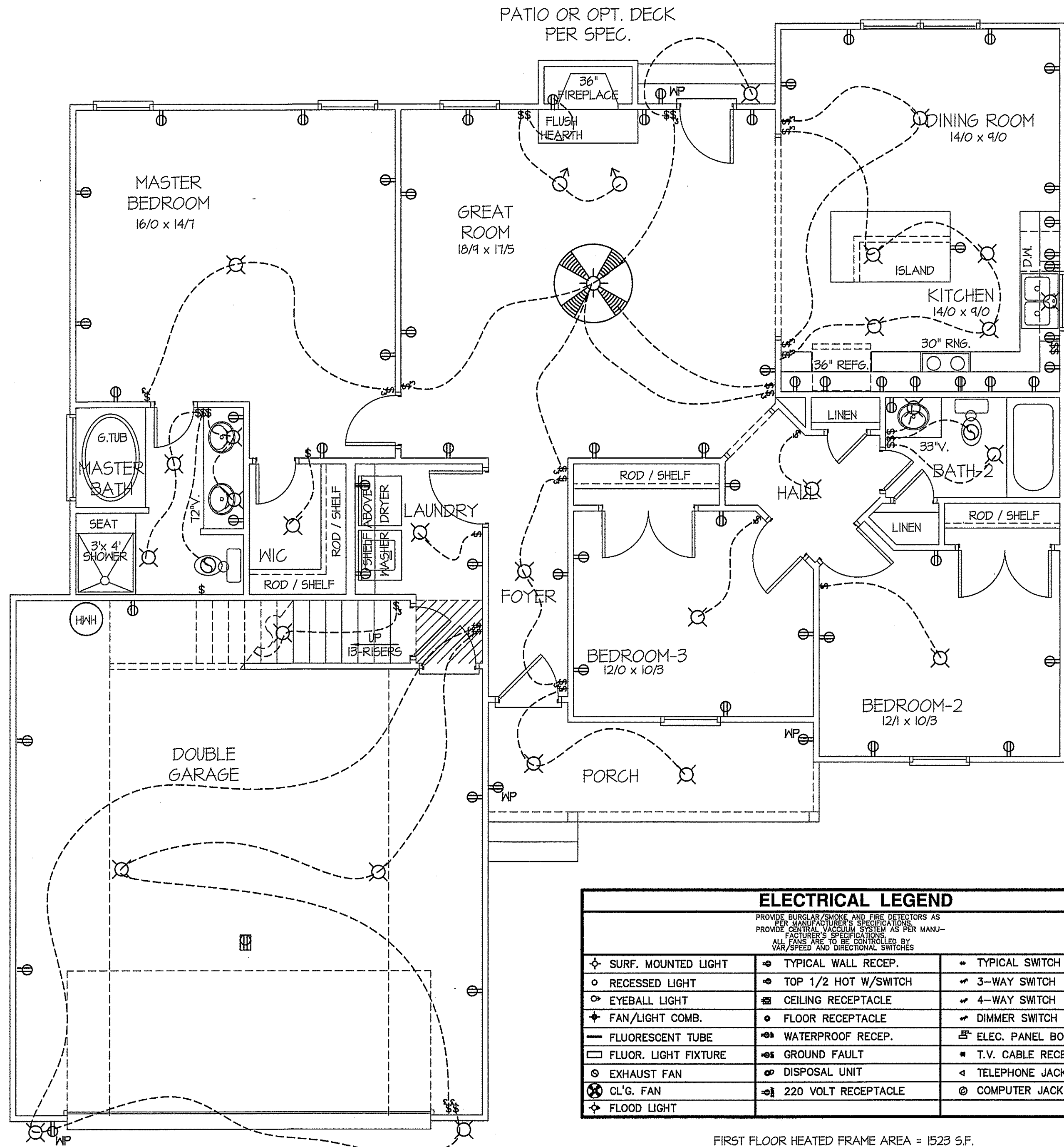


EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
HIGH POINT ~ LEFT
W/ BONUS ROOM

SHEET NO.

4 slab

MAIN COMPUTER FILE: FFH - HIGH POINT - AUG-2025



DATE:

AUG. 28, 2025

FREEDOM FAMILY HOMES

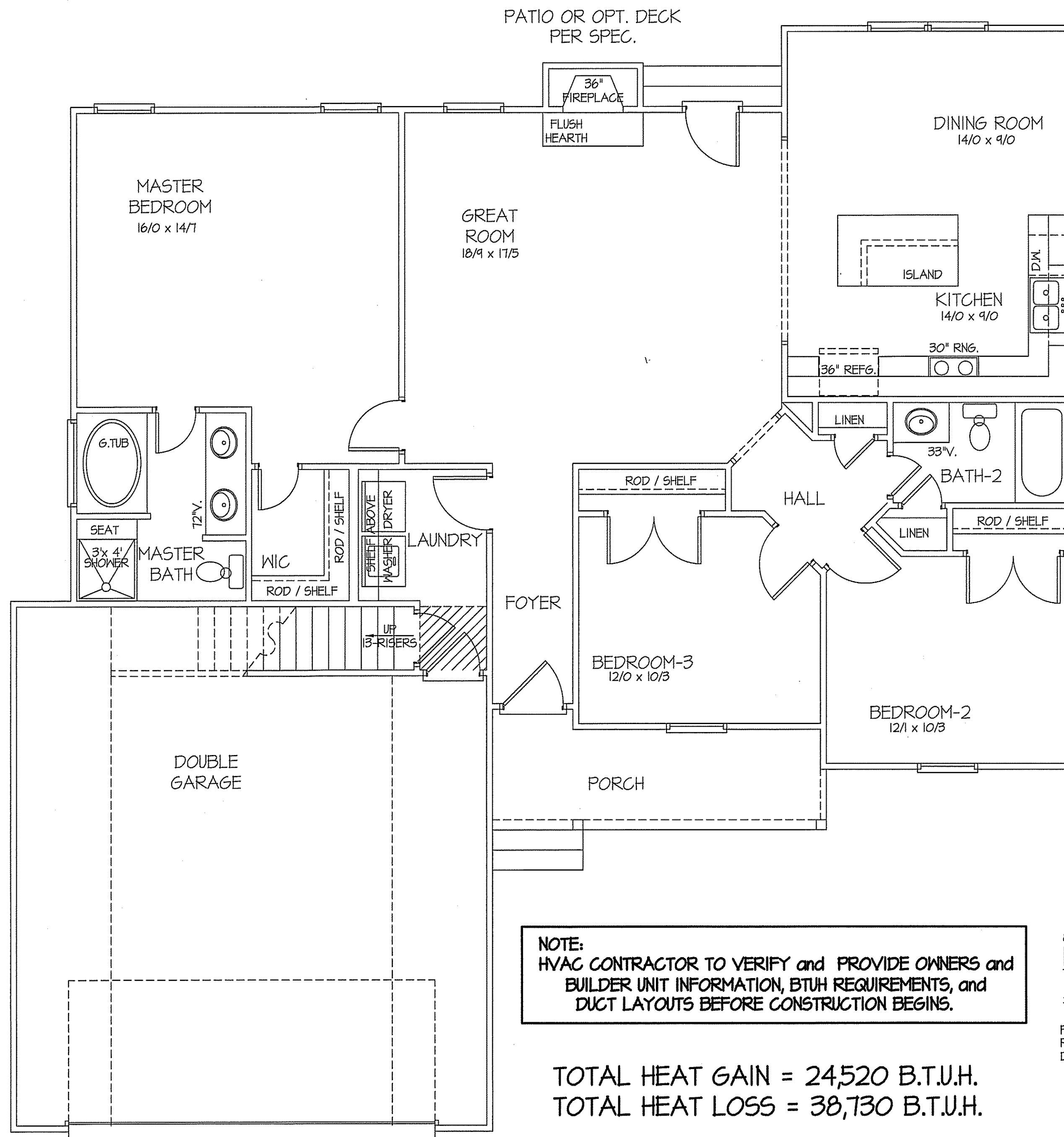
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EXCLUSIVE PLAN FOR
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HIGH POINT ~ LEFT
W/ BONUS ROOM

SHEET NO.

5



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FREEDOM FAMILY HOMES
HIGH POINT ~ LEFT
W/ BONUS ROOM**

SHEET NO.

7