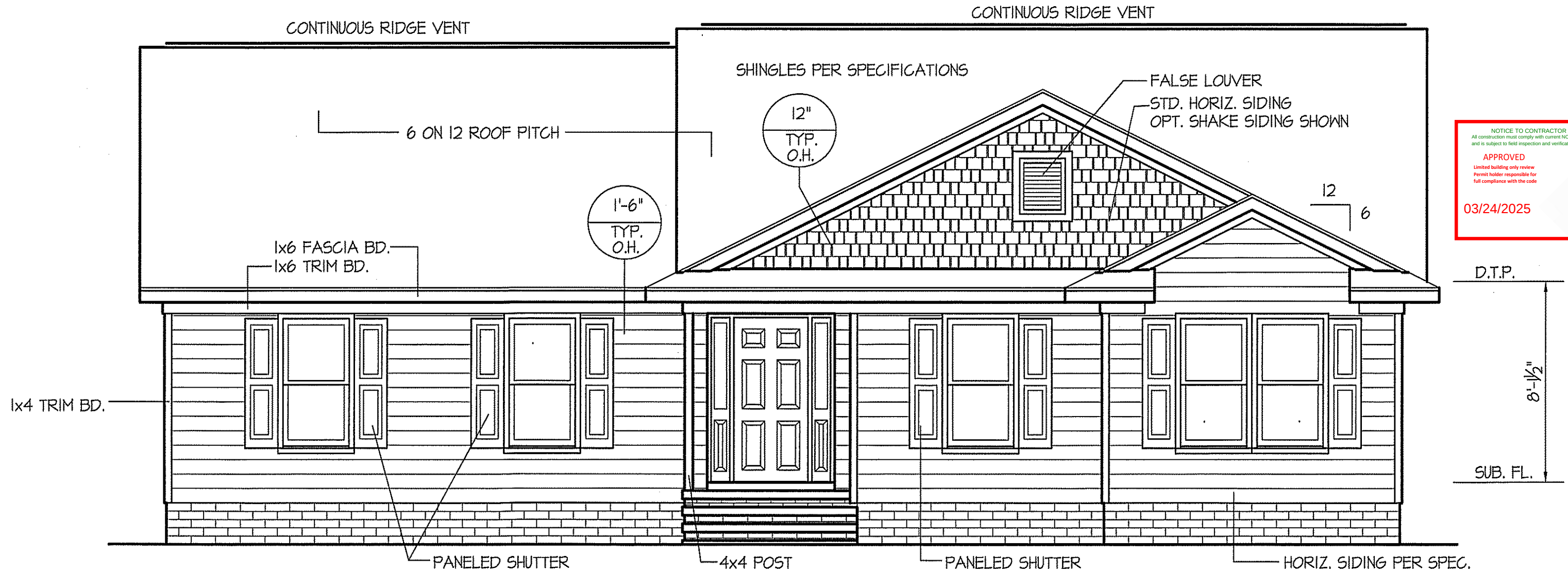


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

DATE:
JAN. 3, 2025



FRONT ELEVATION

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

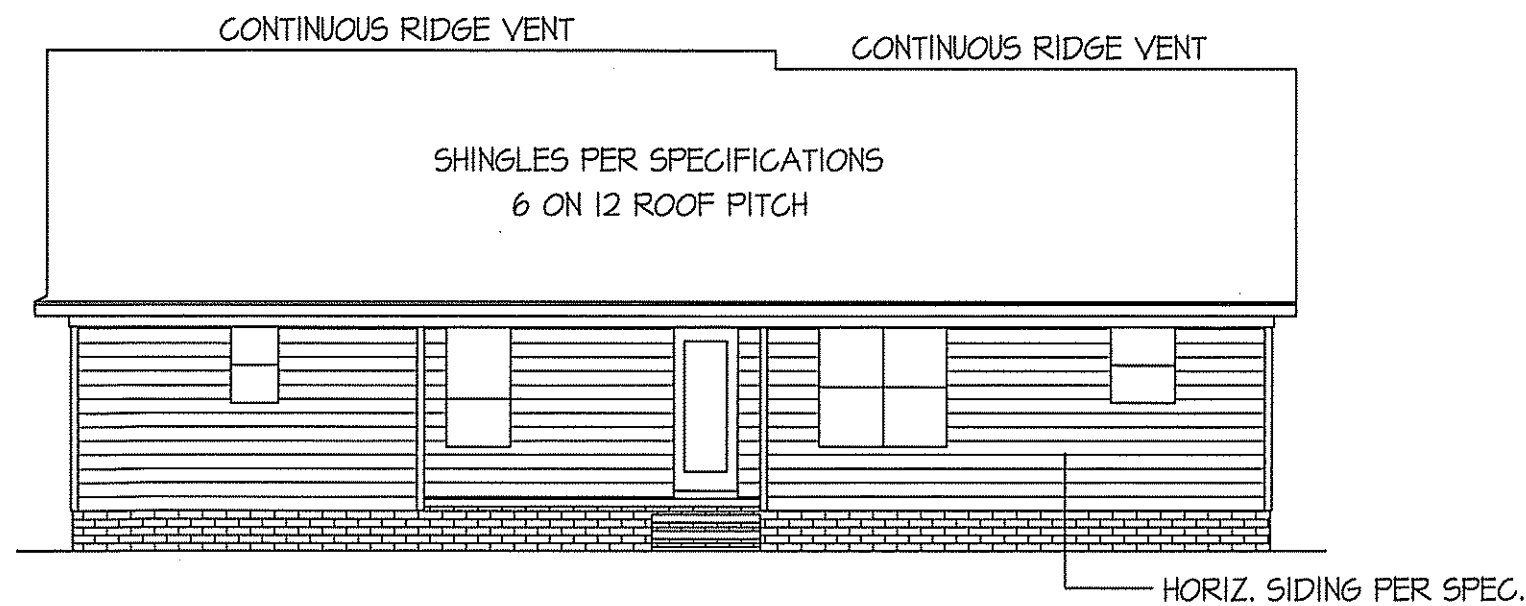
INSULATION and FENESTRATION REQUIREMENTS		
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-38	R-38
MINIMUM WALL R-VALUE	R-15, 13+2.5	R-15, 13+2.5
MINIMUM FLOOR R-VALUE	R-19	R-19
MIN. CRAWL SPACE WALL R-VALUE	5/13	10/15
MIN. SLAB R-VALUE	0	R-10
PROVIDE STEPS AS REQUIRED GRADE MAY VARY - BUILDER TO VERIFY		

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

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

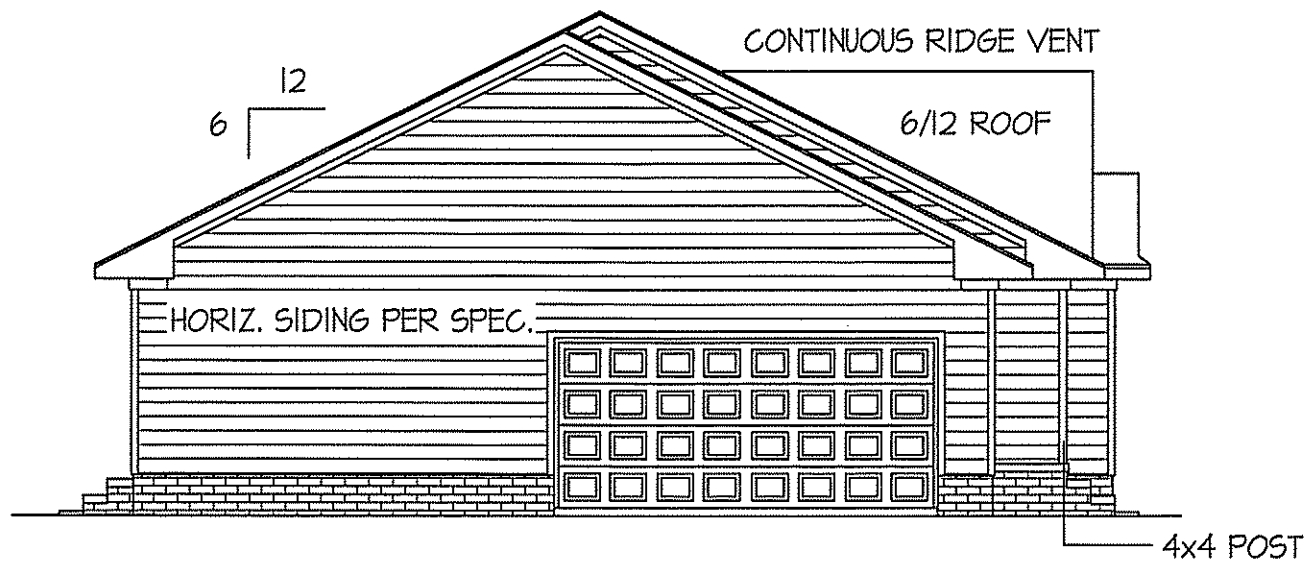
ROOF VENTILATION REQ'MTS.
1911 ATTIC SQ. FT. / 300 = 6.37

PROVIDED ON PLAN
64 L.F. RIDGE VENT = 12.0
104 L.F. SOFFIT VENT = 6.5
TOTAL = 18.5 S.F. FREE NET AREA



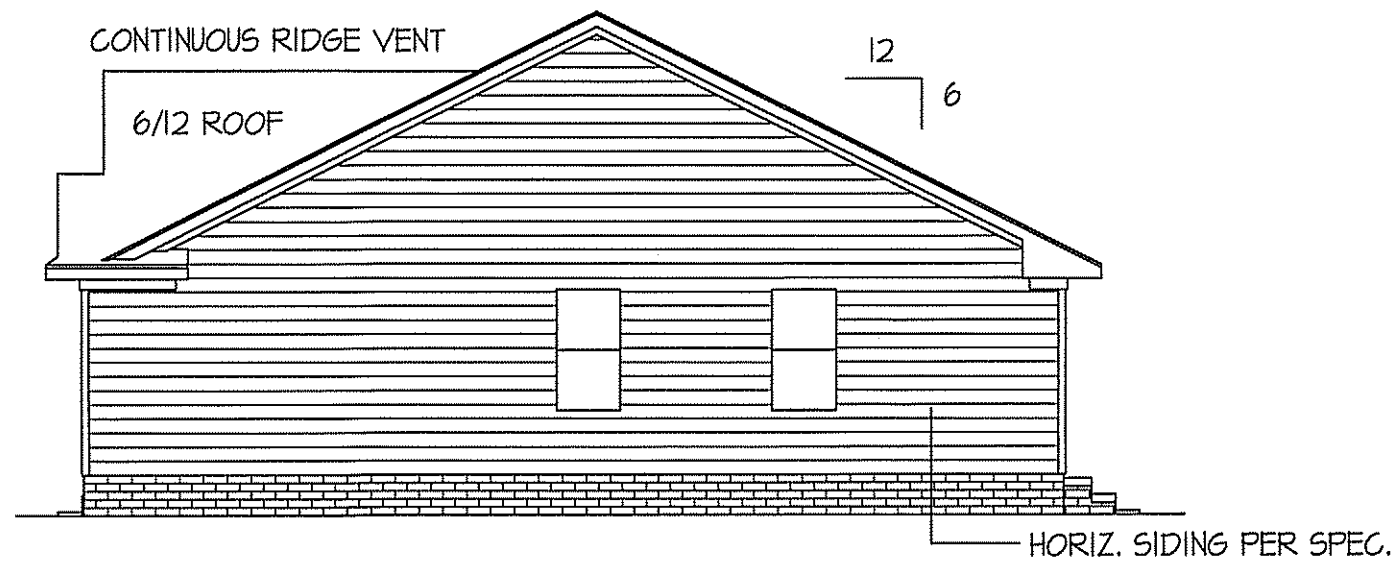
REAR ELEVATION

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



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
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EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
ISRAEL BENAVIDEZ
FROM ORIGINAL "ALEXANDER"

SHEET NO.

1

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

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' CEILING (UNLESS OTHERWISE NOTED)
FLOOR PLAN
SCALE: 1/4" = 1'-0"
TOTAL HEATED SQUARE FOOTAGE = 1295 S.F.
FRONT PORCH SQUARE FOOTAGE = 65 S.F.
REAR PORCH SQUARE FOOTAGE = 84 S.F.
DOUBLE GARAGE SQUARE FOOTAGE = 464 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).

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

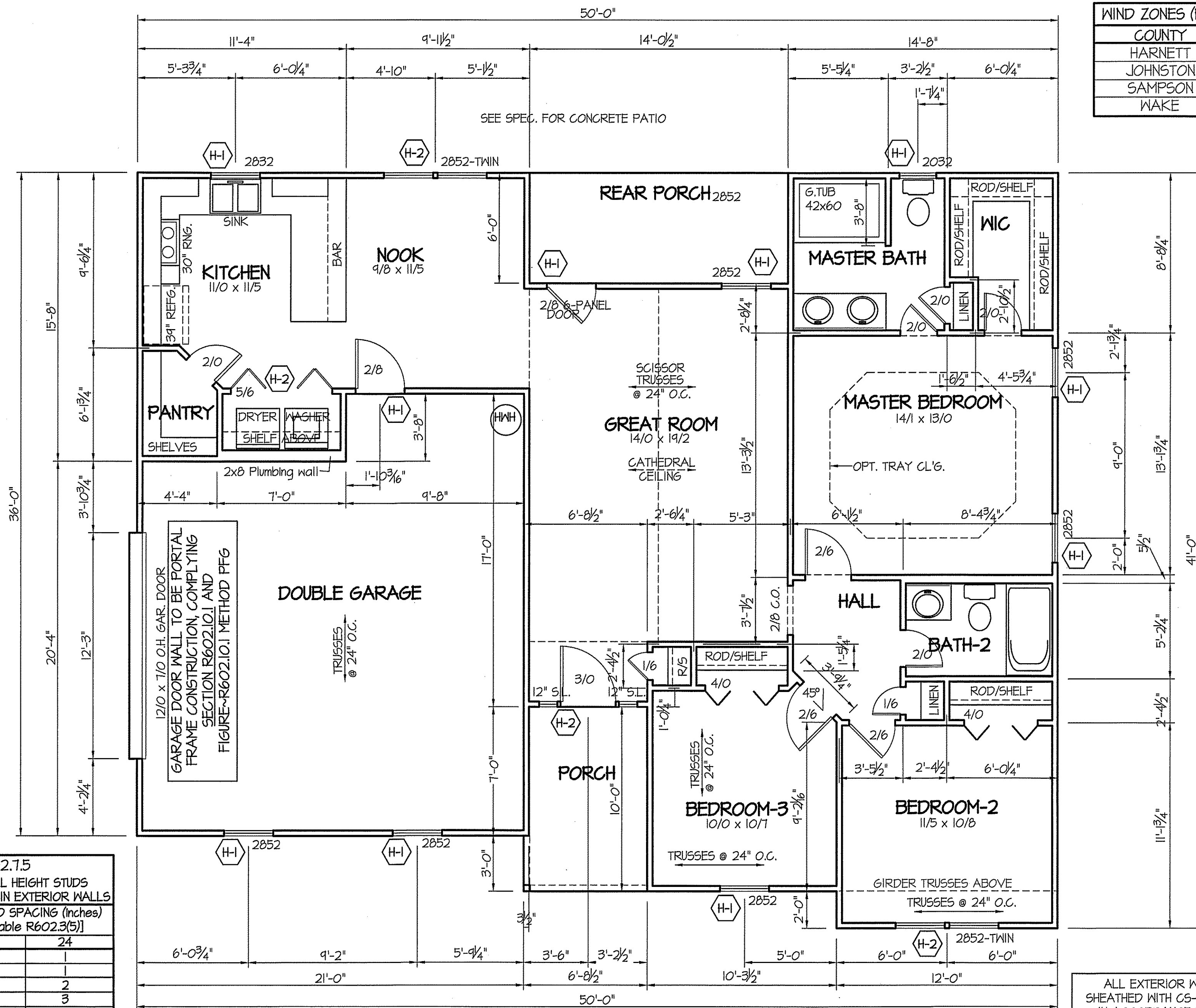
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DATE:
JAN. 3, 2025



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

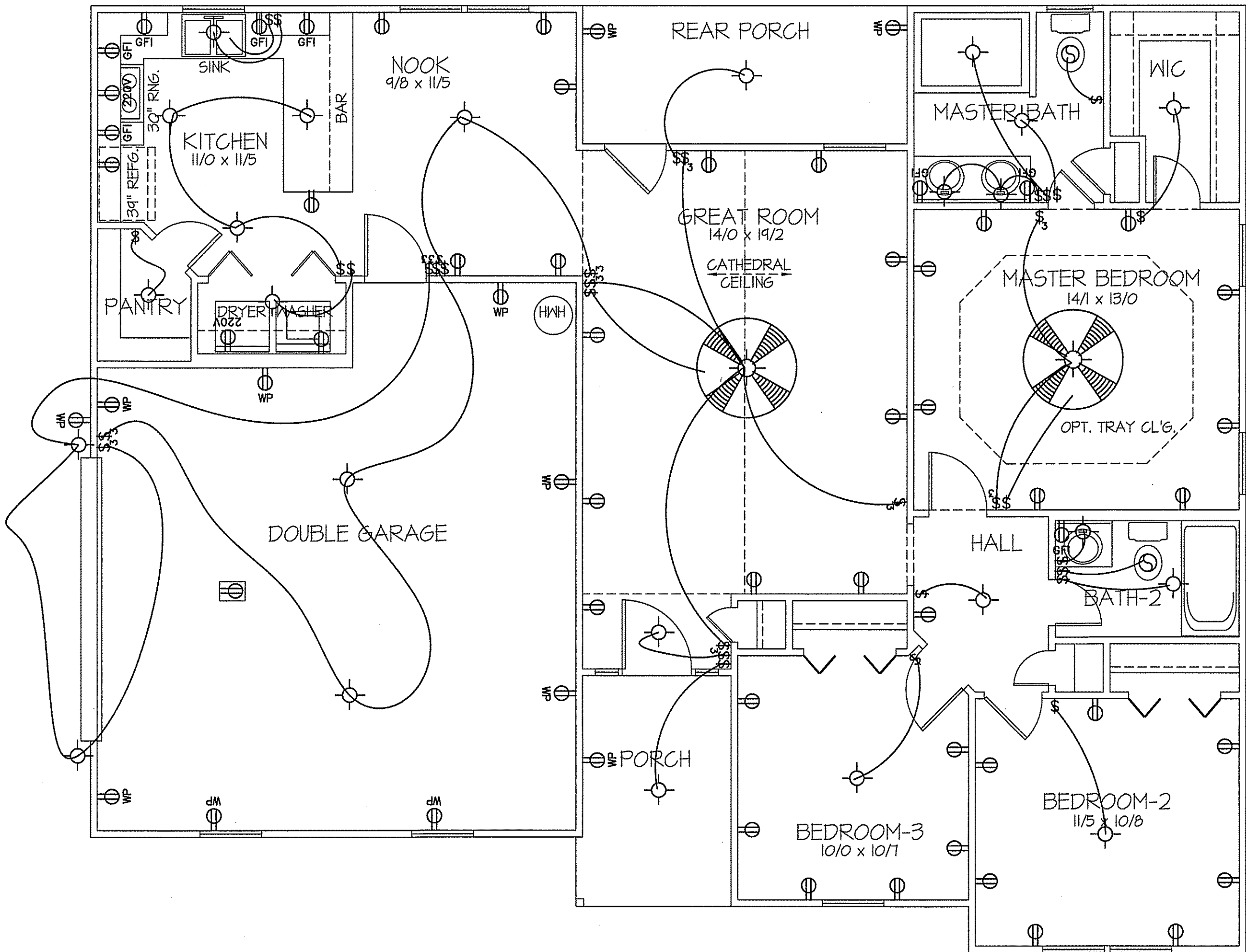
DATE:
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ELECTRICAL LEGEND

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		

8' CEILING (UNLESS OTHERWISE NOTED)

ELECTRICAL FLOOR PLAN

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

TOTAL HEATED SQUARE FOOTAGE = 1295 S.F.
FRONT PORCH SQUARE FOOTAGE = 65 S.F.
REAR PORCH SQUARE FOOTAGE = 84 S.F.
DOUBLE GARAGE SQUARE FOOTAGE = 464 S.F.

Freedom Constructors
Job #28567
Alexander Plan
Israel Benavidez

