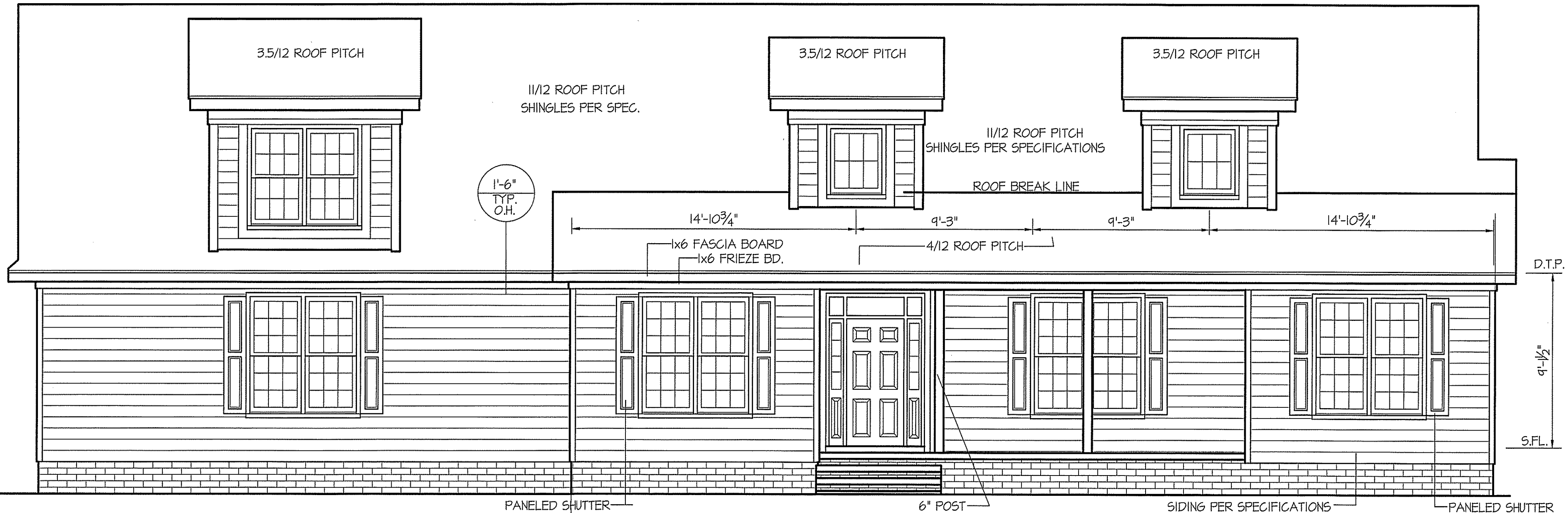


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

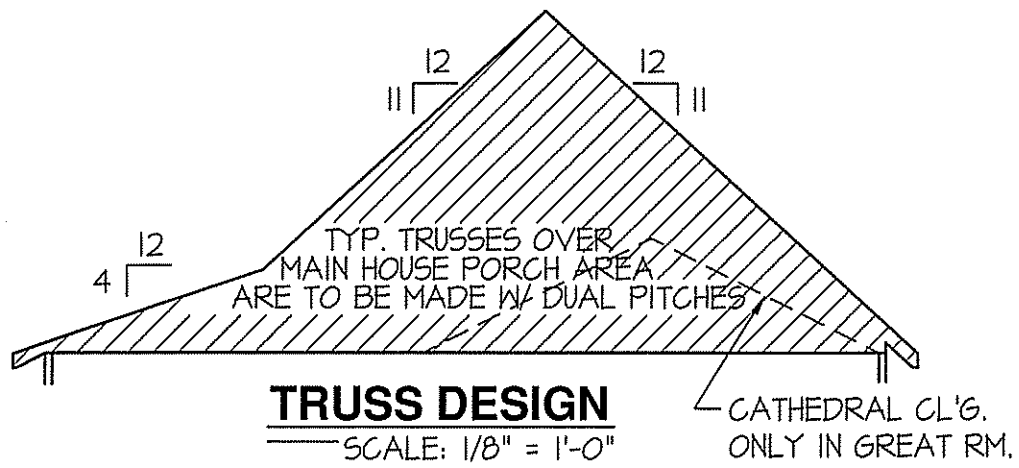
DATE:
MAY 10, 2024

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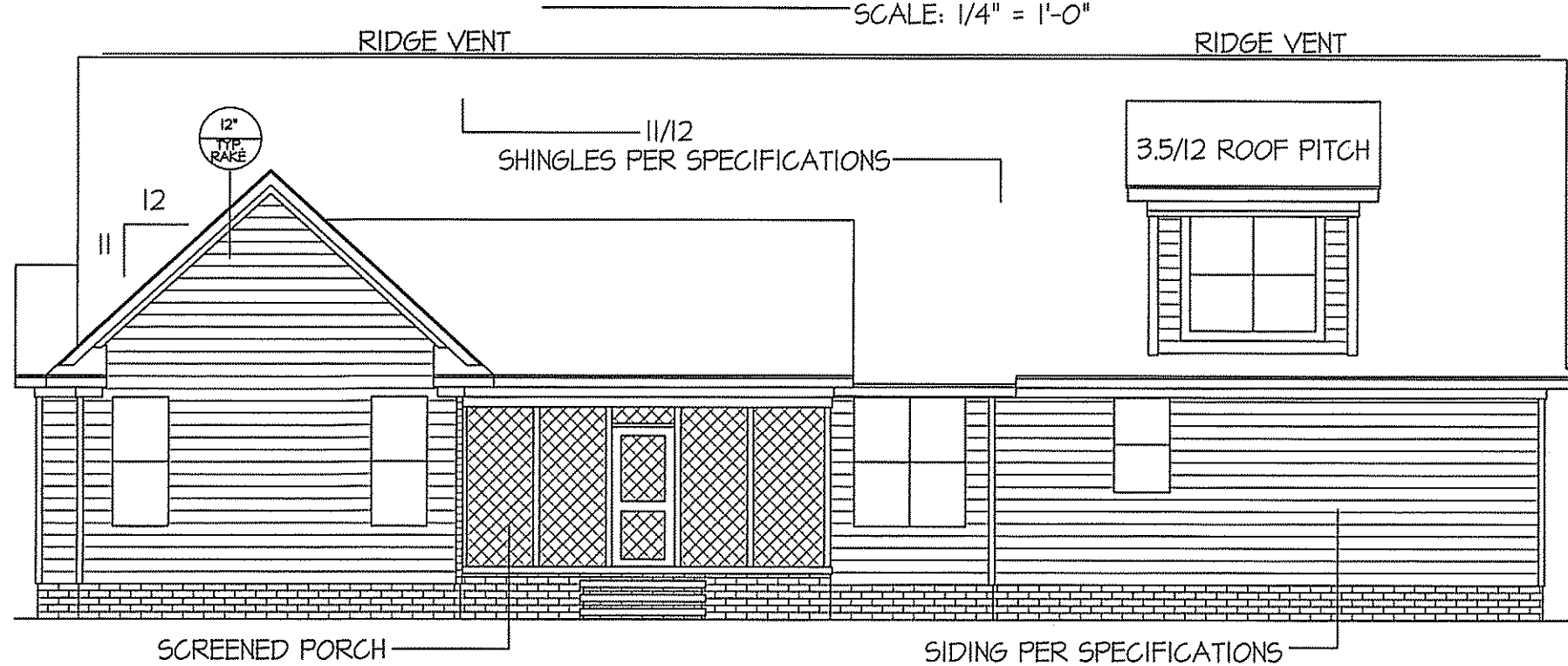
FRONT ELEVATION

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



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

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115



REAR ELEVATION

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

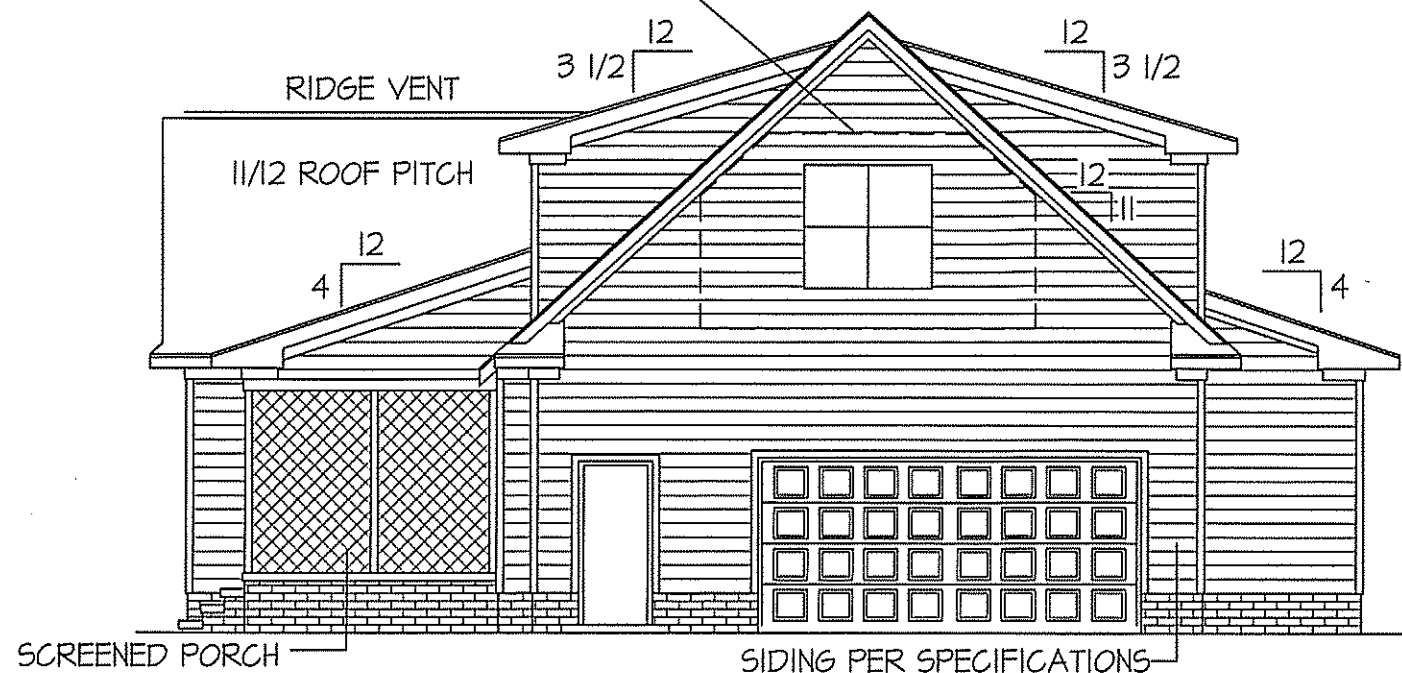
ROOF VENTILATION REQ'MTS.
2509 ATTIC SQ. FT. / 300 = 8.36
PROVIDED ON PLAN
117 L.F. RIDGE VENT = 21.93
143 L.F. SOFFIT VENT = 8.93
TOTAL = 30.86 S.F. FREE NET AREA

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

INSULATION and FENESTRATION REQUIREMENTS

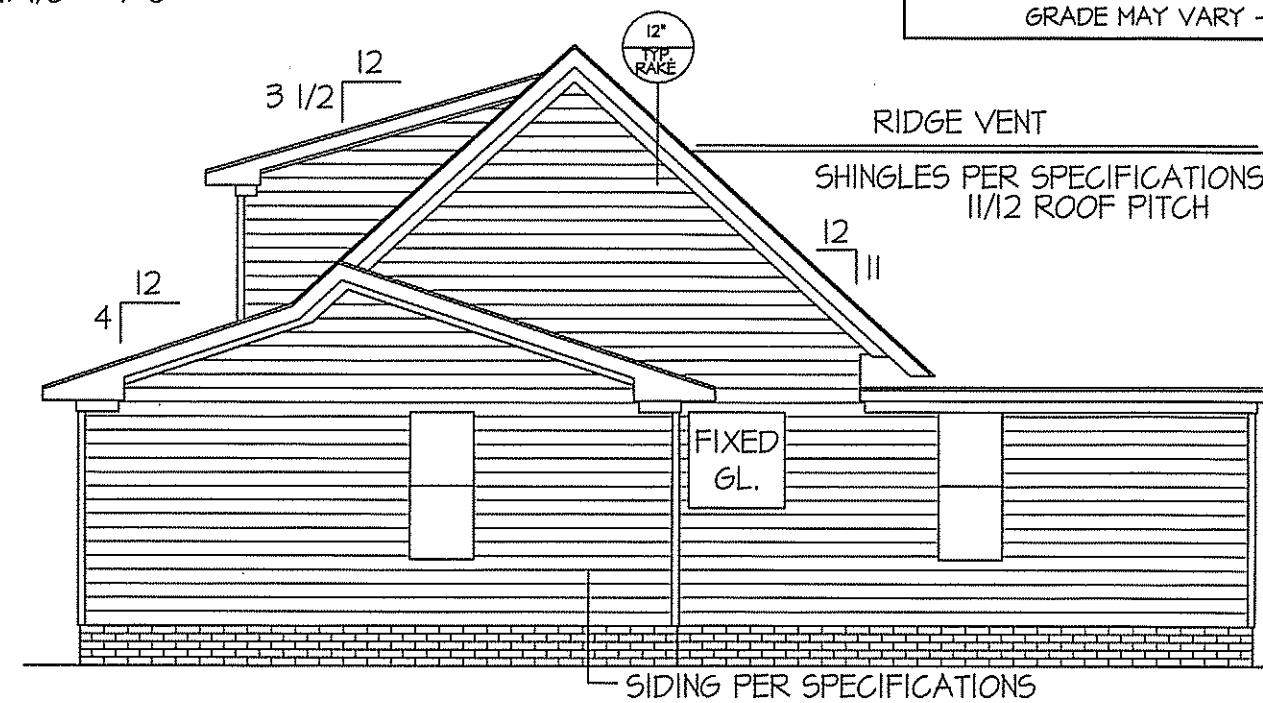
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-38	R-38
MINIMUM WALL R-VALUE	R-15, 13+25	R-15, 13+25
MINIMUM FLOOR R-VALUE	R-19	R-19
MIN. CRAWL SPACE WALL R-VALUE	5/13	10/15
MIN. SLAB R-VALUE	0	R-10

PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY



LEFT ELEVATION

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



RIGHT ELEVATION

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



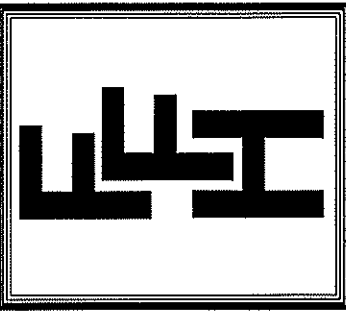
EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
CASTLEBERRI~JOHNSON

SHEET NO.
1

C.F. - FREEDOM FAMILY HOMES - CASTLEBERRI~JOHNSON~2024

DATE:
MAY 10, 2024

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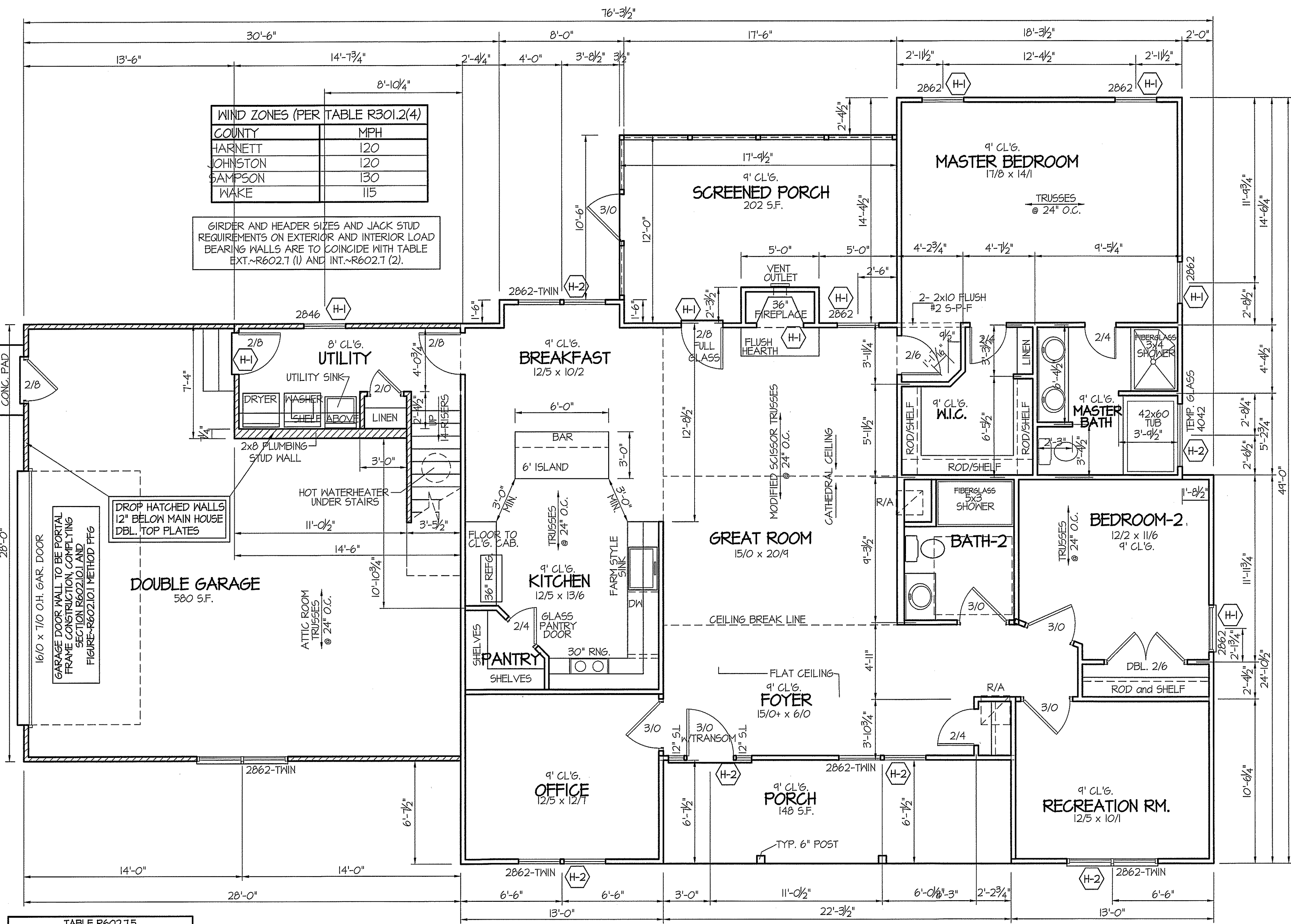
**EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES**
CASTLEBERRI~JOHNSON

SHEET NO.
2

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

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

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).



DROP HATCHED WALLS 12" BELOW MAIN HOUSE DBL. TOP PLATES

GARAGE DOOR WALL TO BE PORTAL FRAME CONSTRUCTION, COMPLYING SECTION R602.10.1 AND FIGURE-R602.10.1 METHOD PFG

C.F. - FREEDOM FAMILY HOMES - CASTLEBERRI~JOHNSON~2024

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	1
4'	2	1	1
8'	3	2	2
12'	5	3	3
16'	6	4	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

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 (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.

ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-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.

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

FIRST FLOOR HEATED AREA = 1887 S.F. (FRAME)
SECOND FLOOR OPTIONAL RETREAT ROOM = 514 S.F. (FRAME)
DOUBLE GARAGE = 677 S.F. (FRAME) TOTAL=2401 S.F.
FRONT PORCH = 148 S.F.
SCREENED PORCH = 202 S.F.

DATE:
MAY 10, 2024

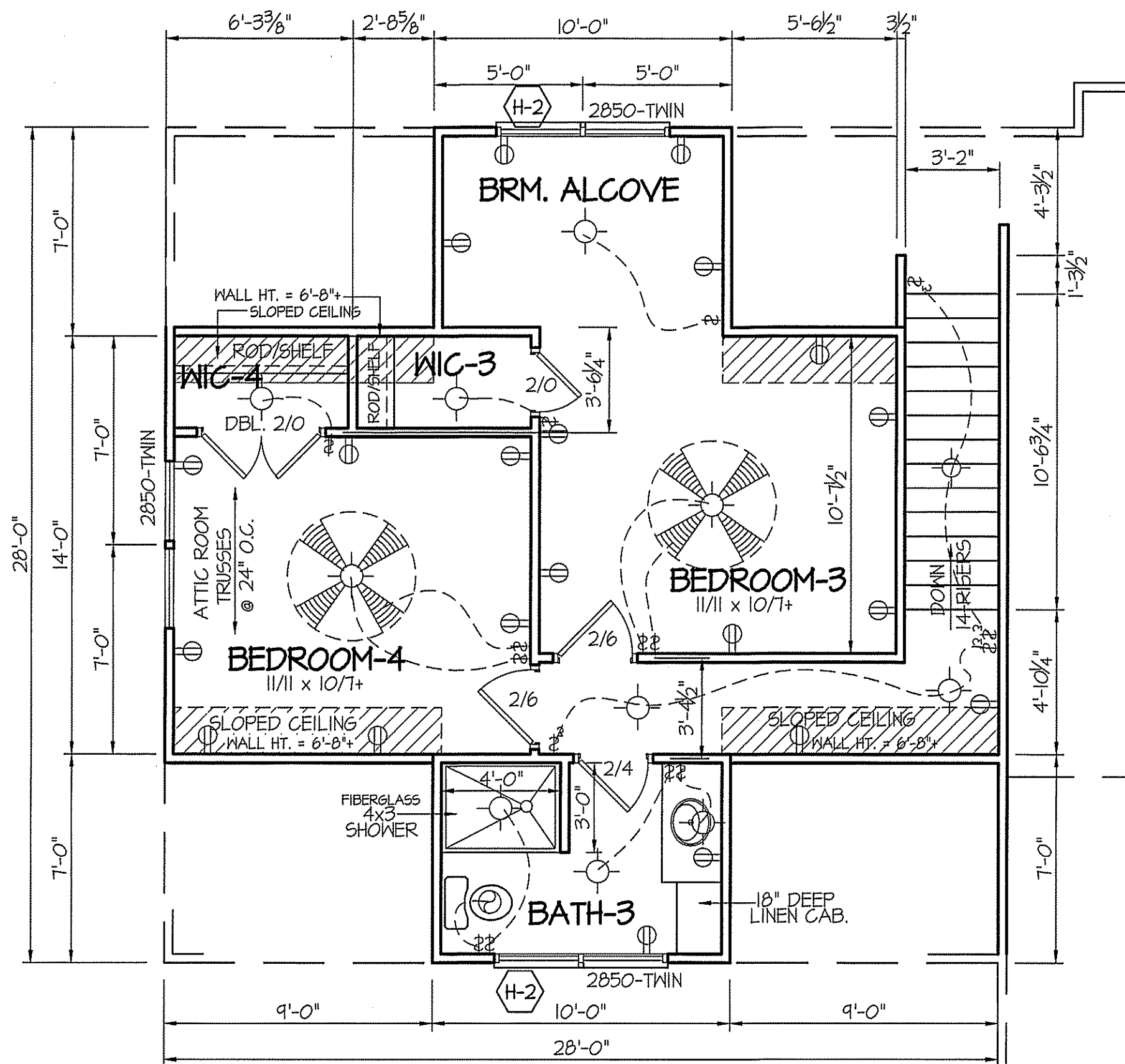
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**EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
CASTLEBERRI~JOHNSON**

PLAN:

SHEET NO.
3

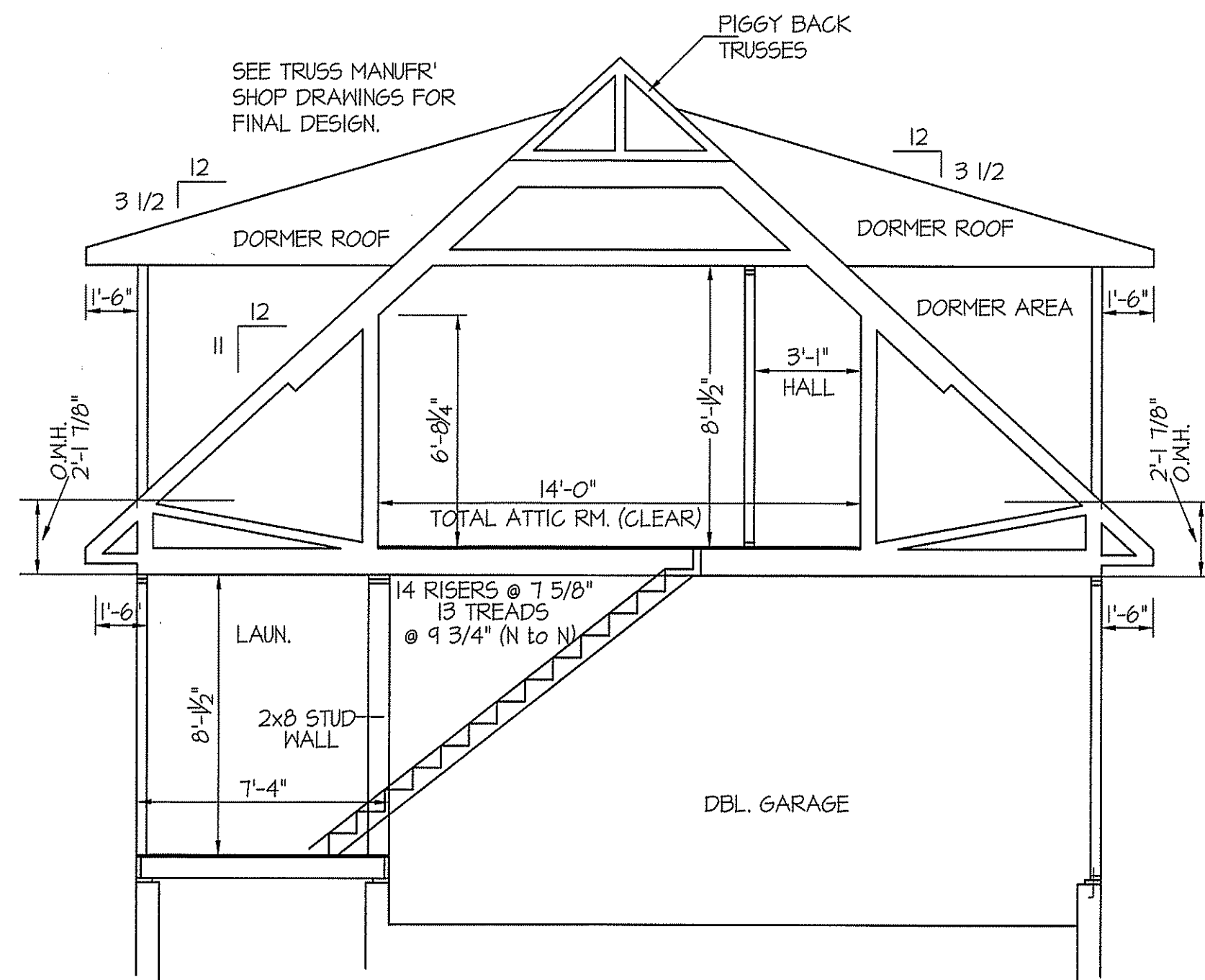


8' CEILINGS UNLESS OTHERWISE NOTED
SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

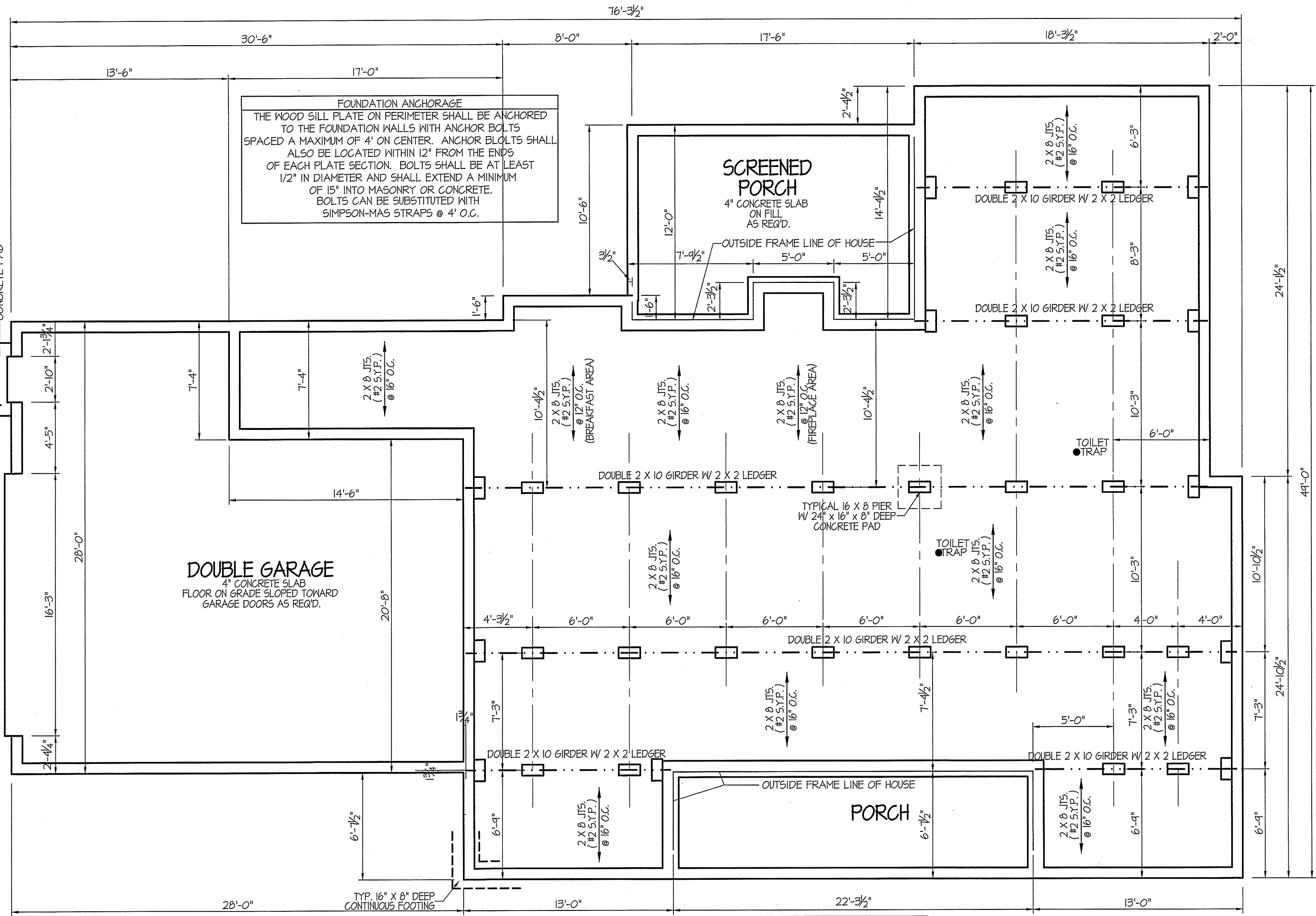
SECOND FLOOR OPTIONAL RETREAT ROOM = 514 S.F. (FRAME)
(DOES NOT INCLUDE STAIRS)

RETREAT ROOM ONLY
TOTAL HEAT GAIN = 7,573 B.T.U.H.
TOTAL HEAT LOSS = 12,228 B.T.U.H.

NOTE:
HVAC CONTRACTOR TO PROVIDE OWNERS AND BUILDERS
UNIT INFORMATION, BTUH REQUIREMENTS, AND
DUCT LAYOUTS BEFORE CONSTRUCTION BEGINS.



SECTION THRU RETREAT ROOM
SCALE: 1/4" = 1'-0"



FOUNDATION ANCHORAGE
 THE WOOD SILL PLATE ON PERIMETER SHALL BE ANCHORED TO THE FOUNDATION WALLS WITH ANCHOR BOLTS SPACED A MAXIMUM OF 4' ON CENTER. ANCHOR BOLTS SHALL ALSO BE LOCATED WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. BOLTS SHALL BE AT LEAST 1/2" IN DIAMETER AND SHALL EXTEND A MINIMUM OF 15" INTO MASONRY OR CONCRETE. BOLTS CAN BE SUBSTITUTED WITH SIMPSON-MAS STRAPS @ 4' O.C.

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).

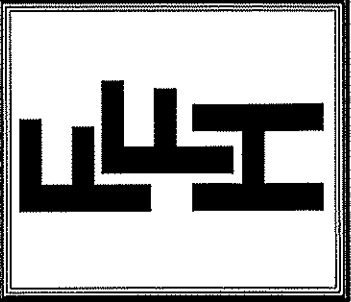
NOTES:
 USE SGL. 2x8 BANDS w/2x2 LEDGER ON 8" WALLS
 USE DOUBLE 2x10 GIRDERS W/ 2X2 LEDGERS
 USE 2x8 JOISTS @ 12" & 16" O.C., ADD SGL. JOIST UNDER PARALLEL INTERIOR WALLS AS REQ'D.
 PROVIDE 24 X 36 ACCESS OPENING IN FND. WALL.
 PROVIDE STEPS TO GRADE (MAX. 8")
 HOLD ALL PIERS 1/2" BELOW FND. WALL

FOUNDATION VENTILATION INFORMATION
 (MIN. NET AREA OF VENT. REQ'D. = 1/150)
 1887 S.F. (CRAWL) x .96 = 1811.52 S.F.
 USE 28" WITTEN AUTO. VENT. FND. VENTS @ 65 S.F. FREE NET AREA or EQUIVALENT.
 (MIN. NET AREA CAN BE REDUCED TO 1/1500)
 1887 S.F. (CRAWL) x .096 = 181.152 S.F.
 USE 3" WITTEN AUTO. VENT. FND. VENTS @ 65 S.F. 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.

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

DATE:
 MAY 10, 2024

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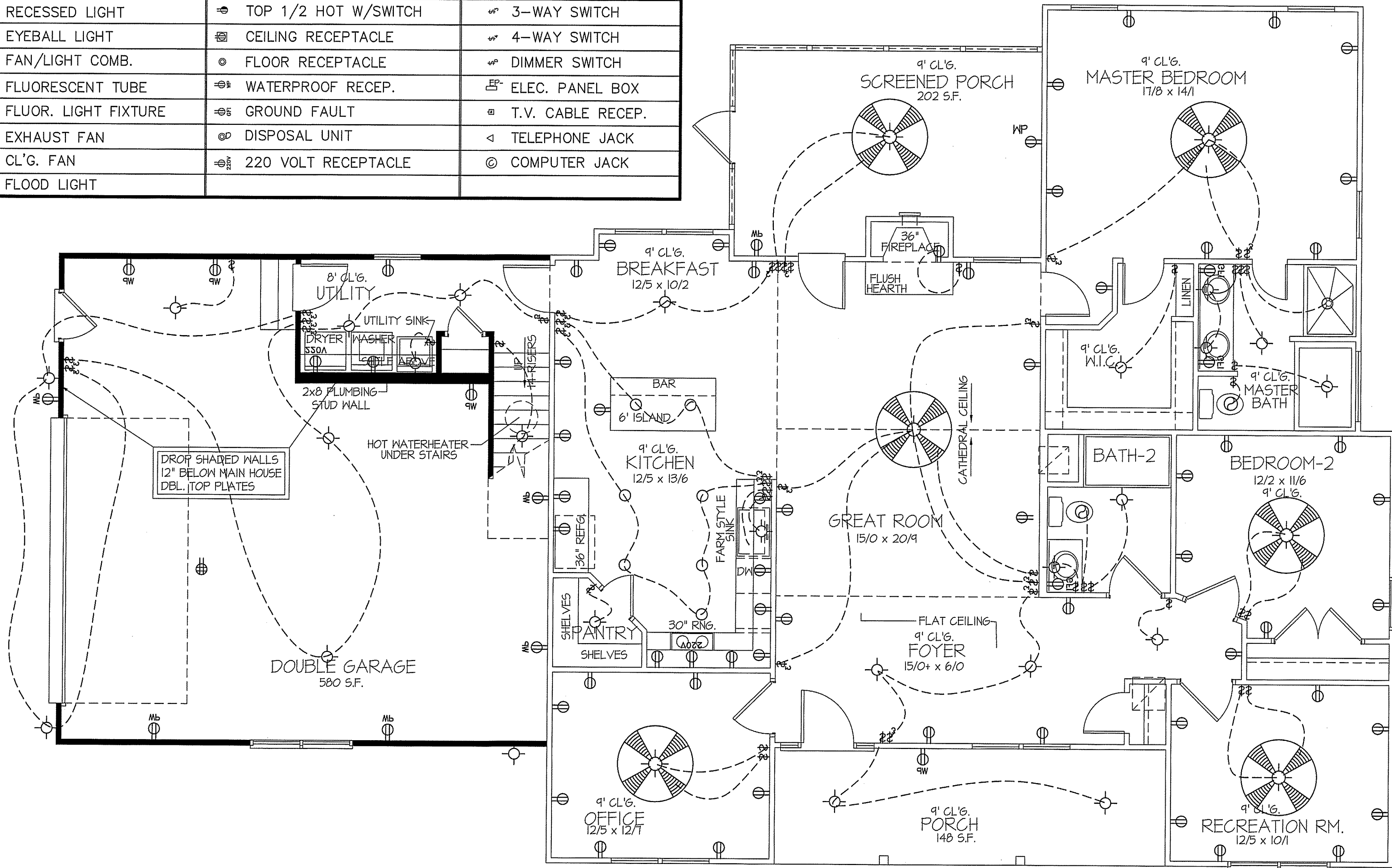
PLAN:
**EXCLUSIVE PLAN FOR
 FREEDOM FAMILY HOMES**
CASTLEBERRI-JOHNSON

SHEET NO.
4

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		



FIRST FLOOR HEATED AREA = 1887 S.F. (FRAME)
 SECOND FLOOR OPTIONAL RETREAT ROOM = 514 S.F. (FRAME)
 TOTAL=2401 S.F.
 DOUBLE GARAGE = 677 S.F. (FRAME)
 FRONT PORCH = 148 S.F.
 SCREENED PORCH = 202 S.F.

9' CEILINGS UNLESS OTHERWISE NOTED

ELECTRICAL FIRST FLOOR PLAN

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

DATE:
 MAY 10, 2024

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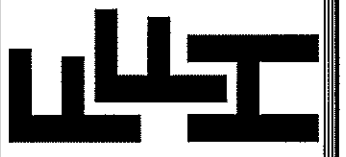
EXCLUSIVE PLAN FOR
 FREEDOM FAMILY HOMES
CASTLEBERI~JOHNSON

SHEET NO.
5

DATE:

MAY 10, 2024

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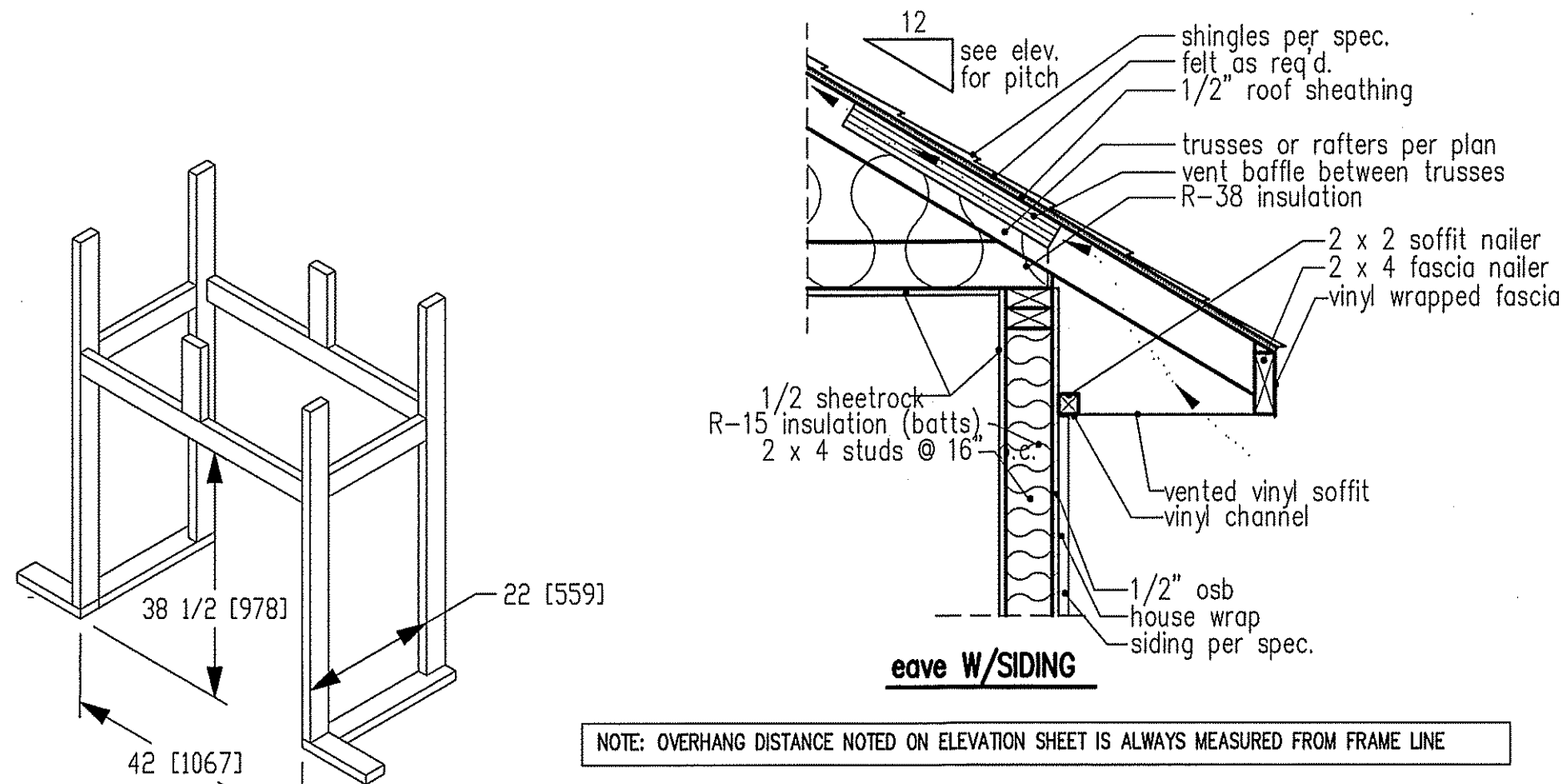


**EXCLUSIVE PLAN FOR
 FREEDOM FAMILY HOMES
 CASTLEBERI~JOHNSON**

PLAN:

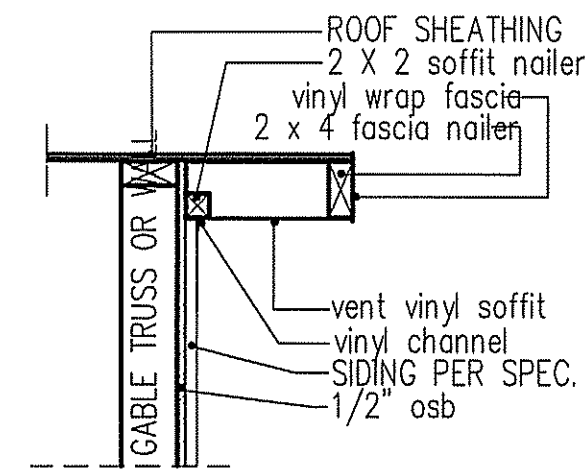
SHEET NO.

6



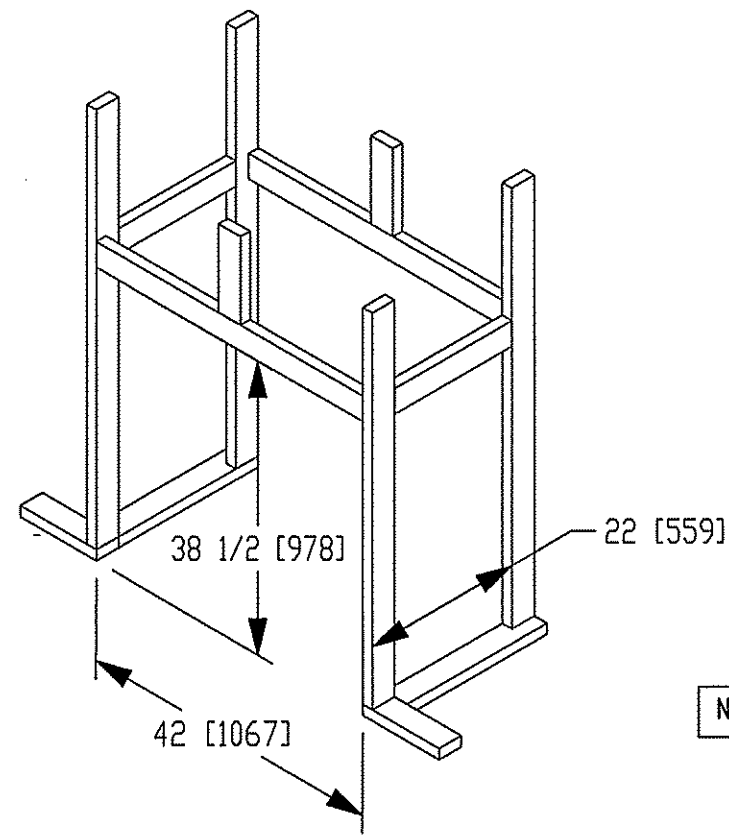
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

standard eave details



RAKE w/SIDING

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

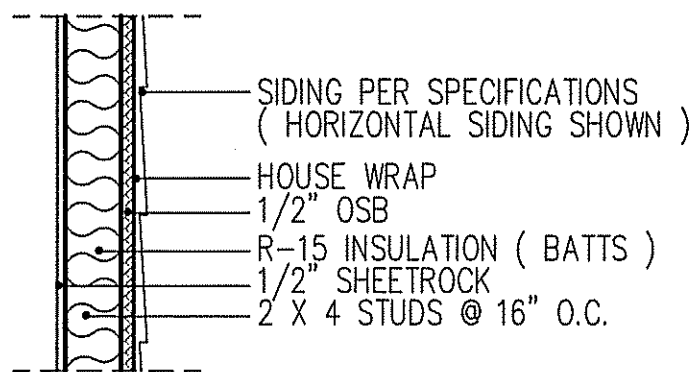


DIMENSIONS IN [] ARE MM

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.



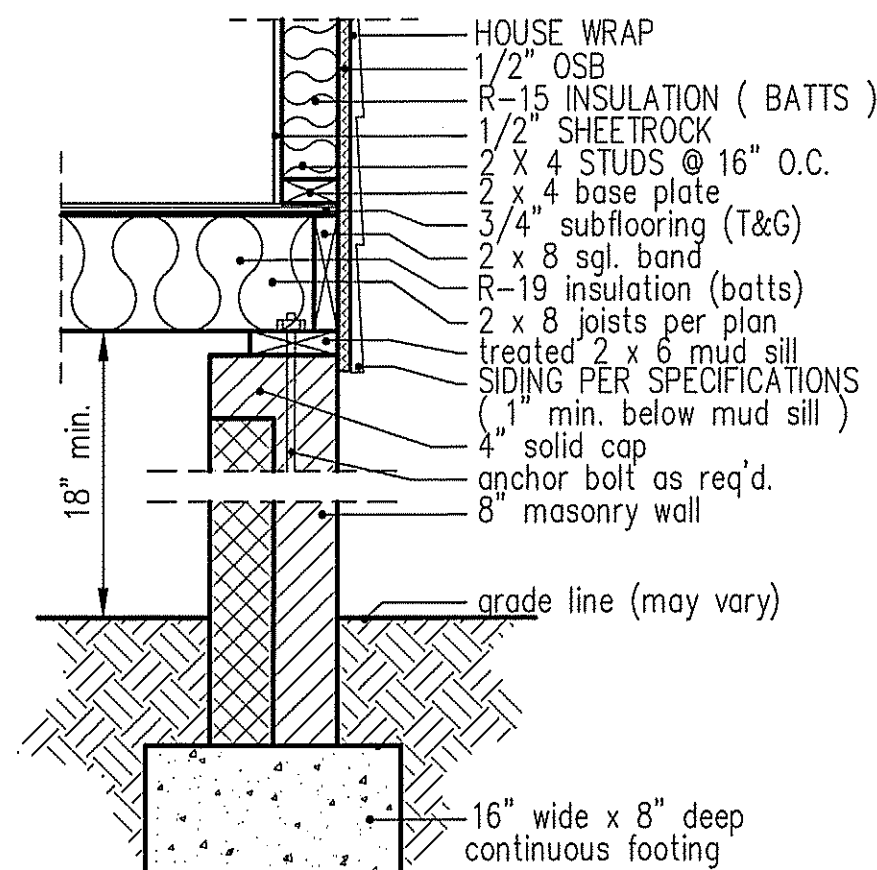
WALL W/siding

**intermediate
 wall details**

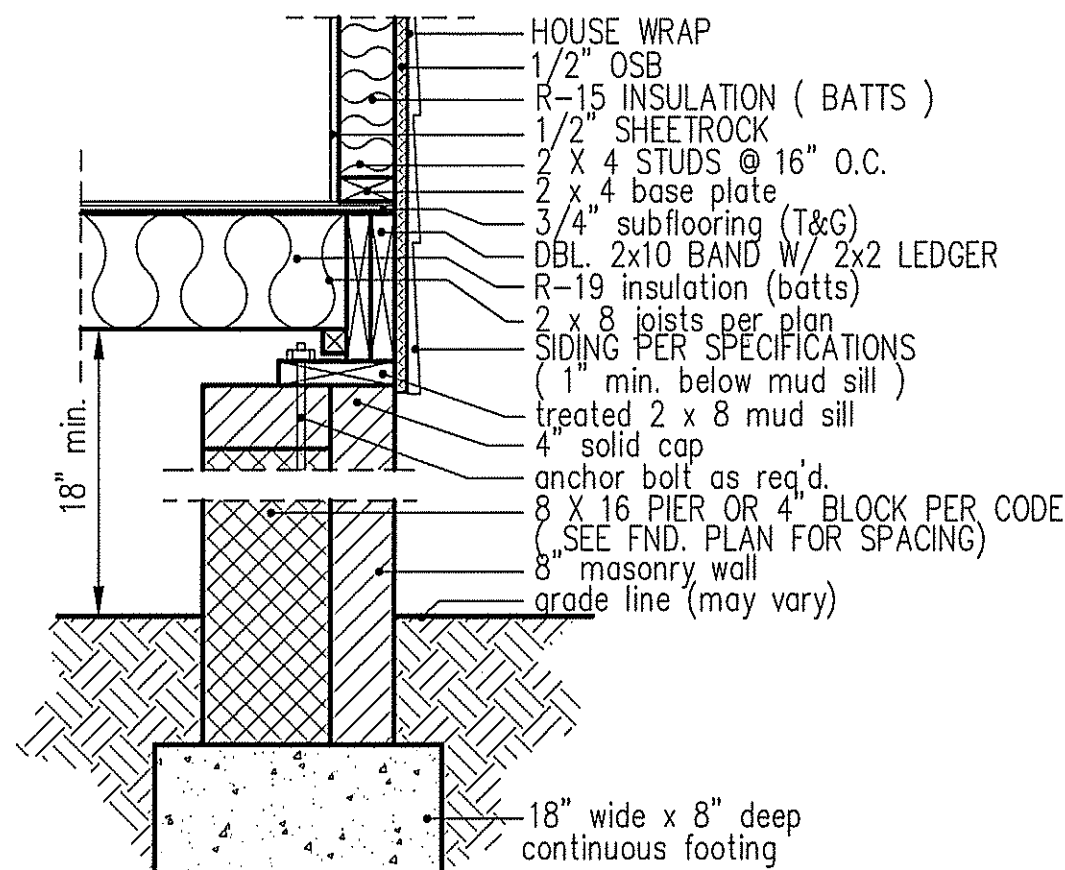
TABLE R602.7.5
 MINIMUM NUMBER OF FULL HEIGHT STUDS
 AT EACH END OF HEADERS IN EXTERIOR WALLS

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

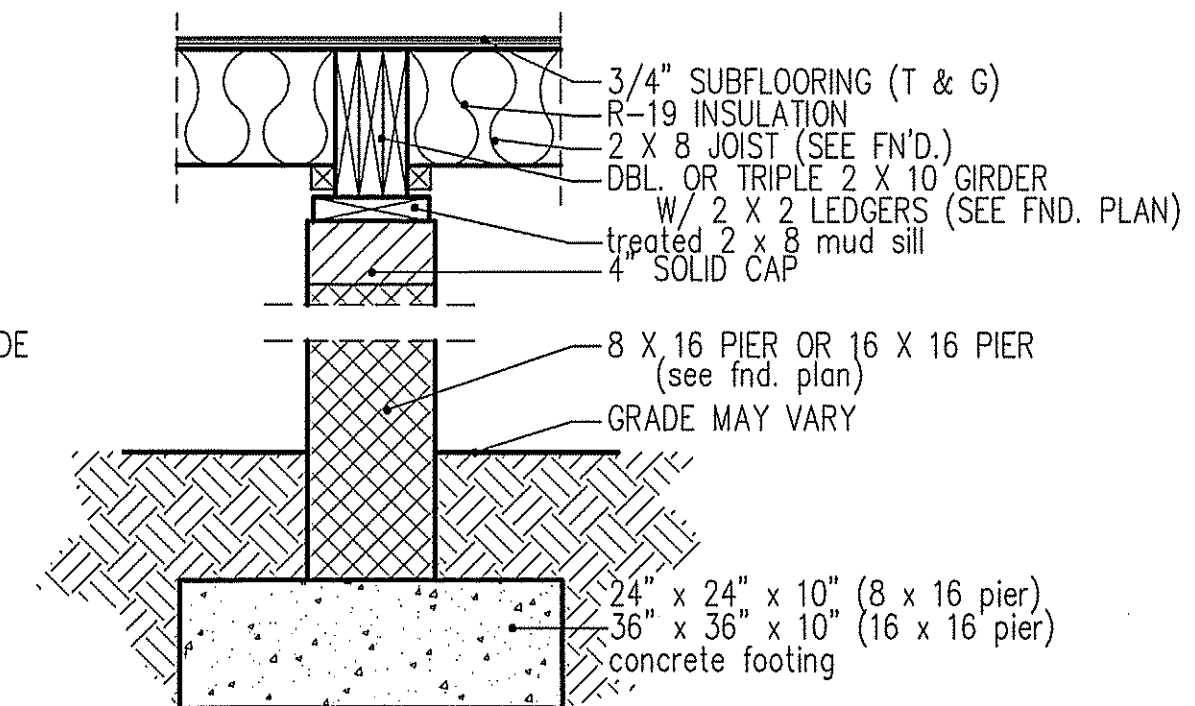
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.~R602.7 (1) AND INT.~R602.7 (2).



**8" BOX SILL
 FOUNDATION WALL**



**PIER and CURTAIN
 FOUNDATION WALL**

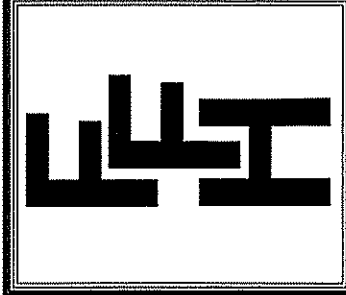


**PIER and GIRDER
 DETAIL**

C.F. - FREEDOM FAMILY HOMES - CASTLEBERI~JOHNSON~2024

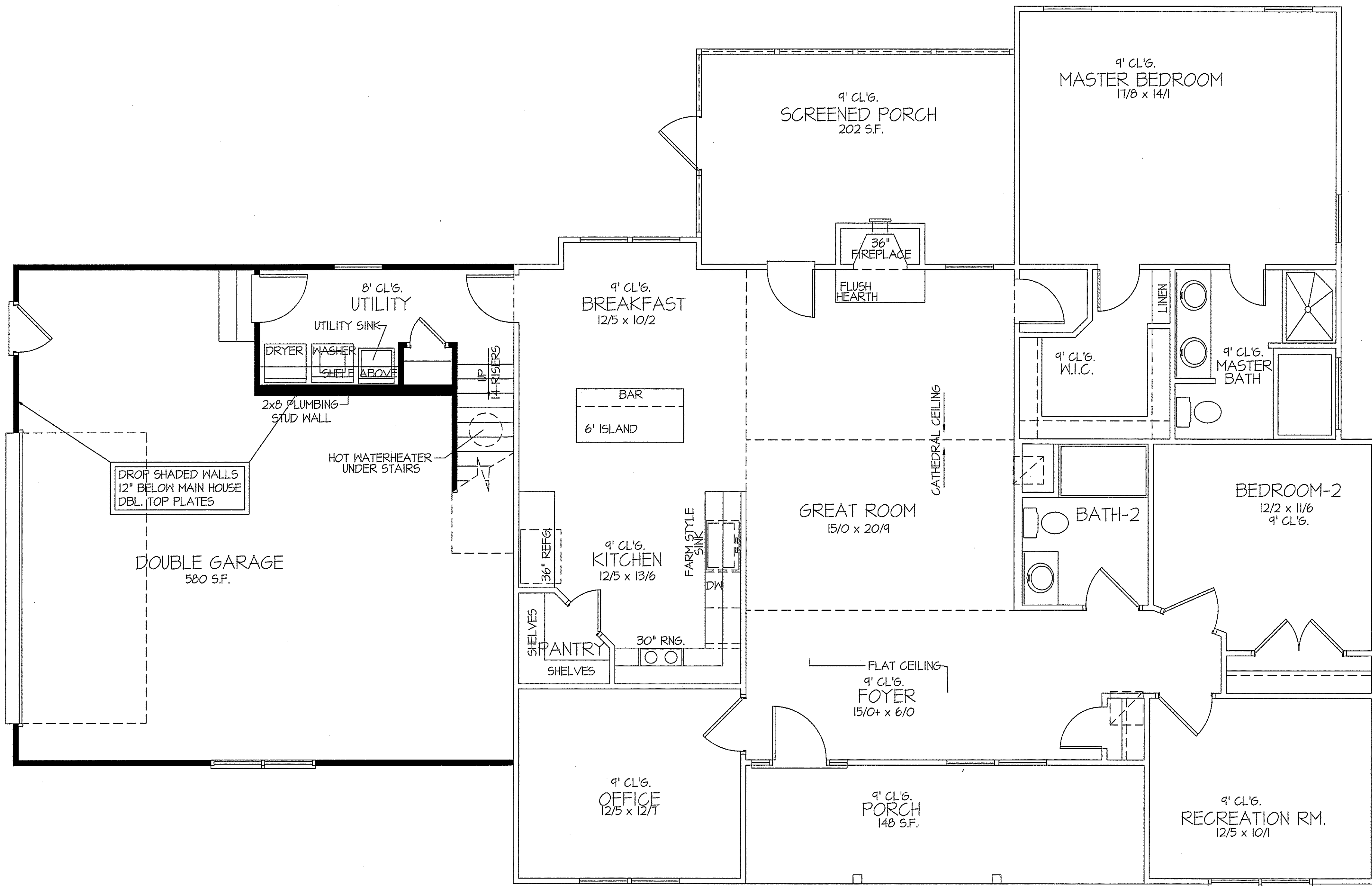
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**EXCLUSIVE PLAN FOR
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CASTLEBERI~JOHNSON**

SHEET NO.
7



FIRST FLOOR ONLY
TOTAL HEAT GAIN = 30,381 B.T.U.H.
TOTAL HEAT LOSS = 48,024 B.T.U.H.

NOTE:
HVAC CONTRACTOR TO PROVIDE OWNERS AND BUILDERS
UNIT INFORMATION, BTUH REQUIREMENTS, AND
DUCT LAYOUTS BEFORE CONSTRUCTION BEGINS.

9' CEILINGS UNLESS OTHERWISE NOTED
HVAC
FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"
FIRST FLOOR HEATED AREA = 1887 S.F. (FRAME)
SECOND FLOOR OPTIONAL RETREAT ROOM = 513 S.F. (FRAME)
TOTAL = 2401S.F.
DOUBLE GARAGE = 677 S.F. (FRAME)
FRONT PORCH = 148 S.F.
SCREENED PORCH = 202 S.F.