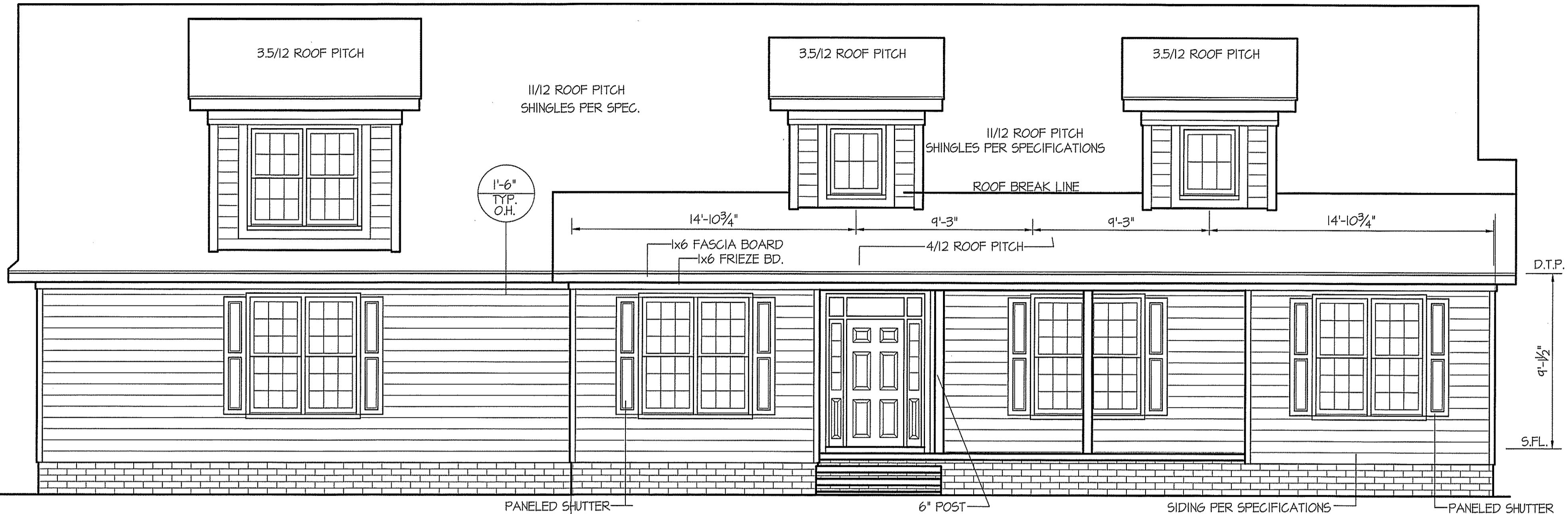


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

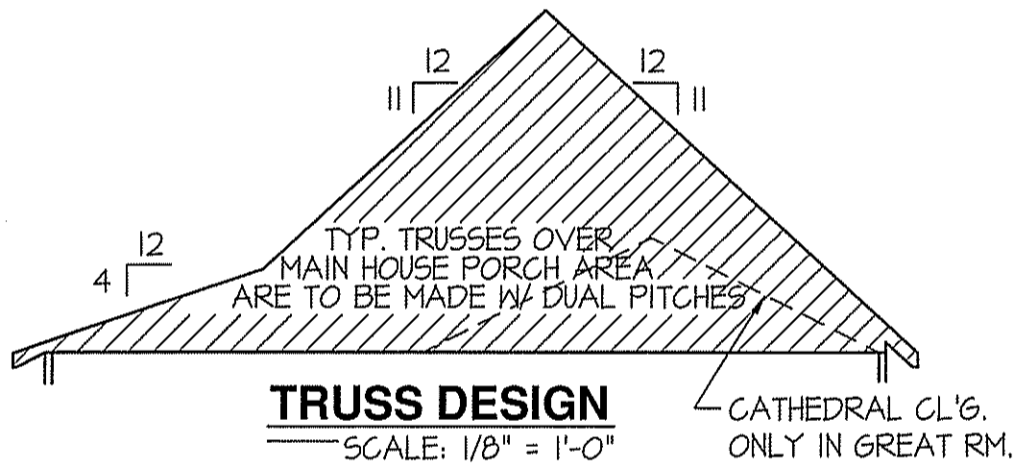
DATE:
MAY 10, 2024

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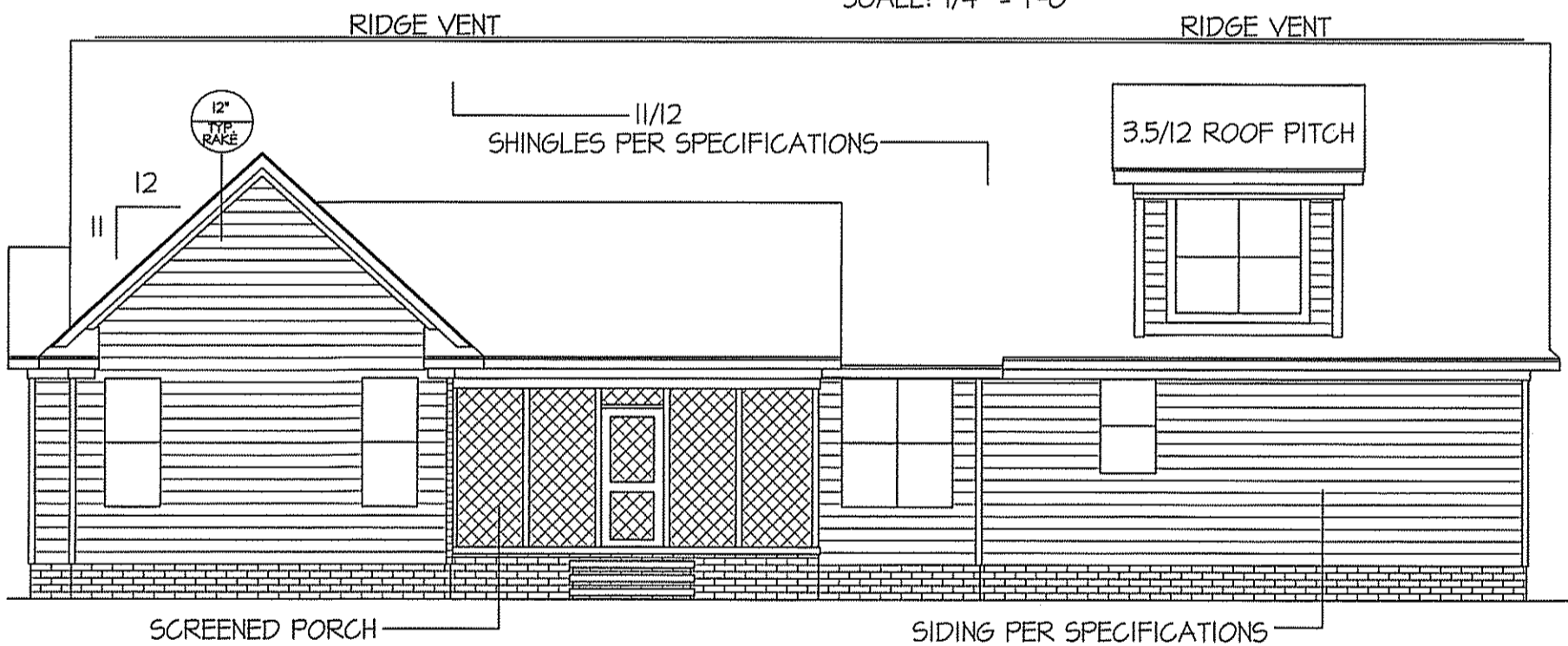
FRONT ELEVATION

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

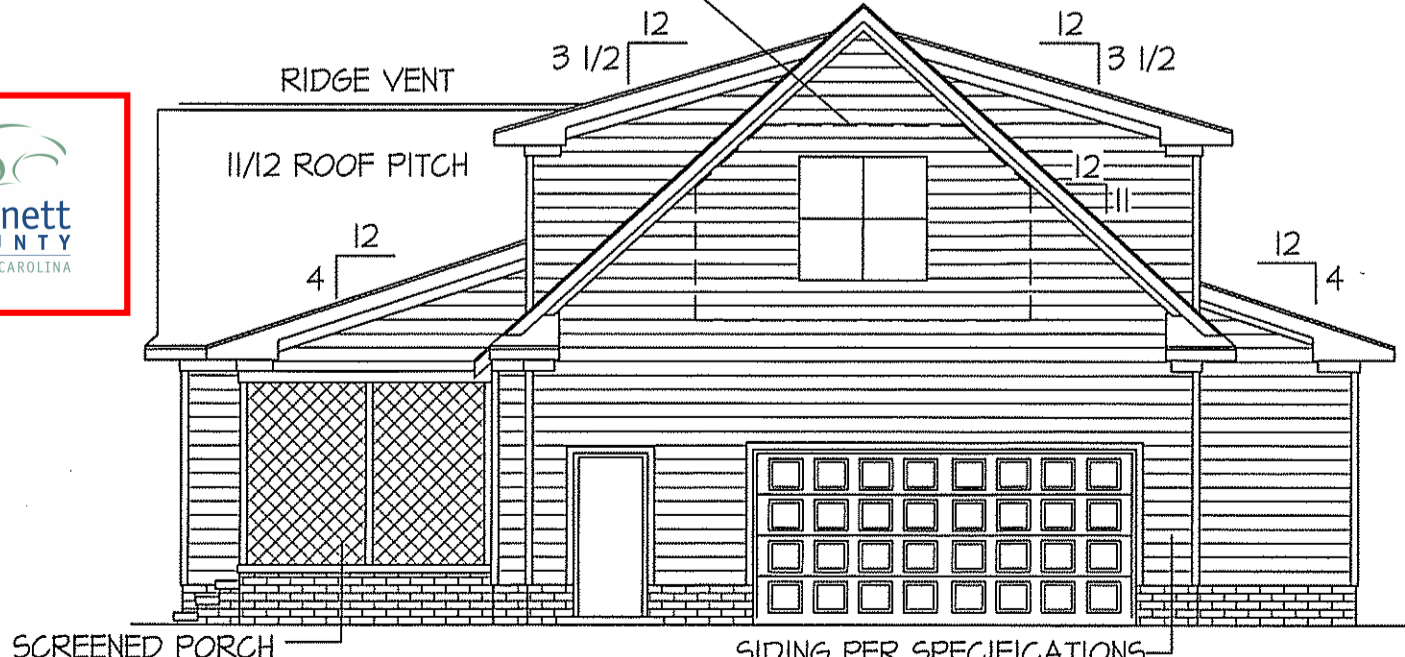
PROVIDED ON PLAN
117 L.F. RIDGE VENT = 21.93
143 L.F. SOFFIT VENT = 8.93
TOTAL = 30.86 S.F. FREE NET AREA

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

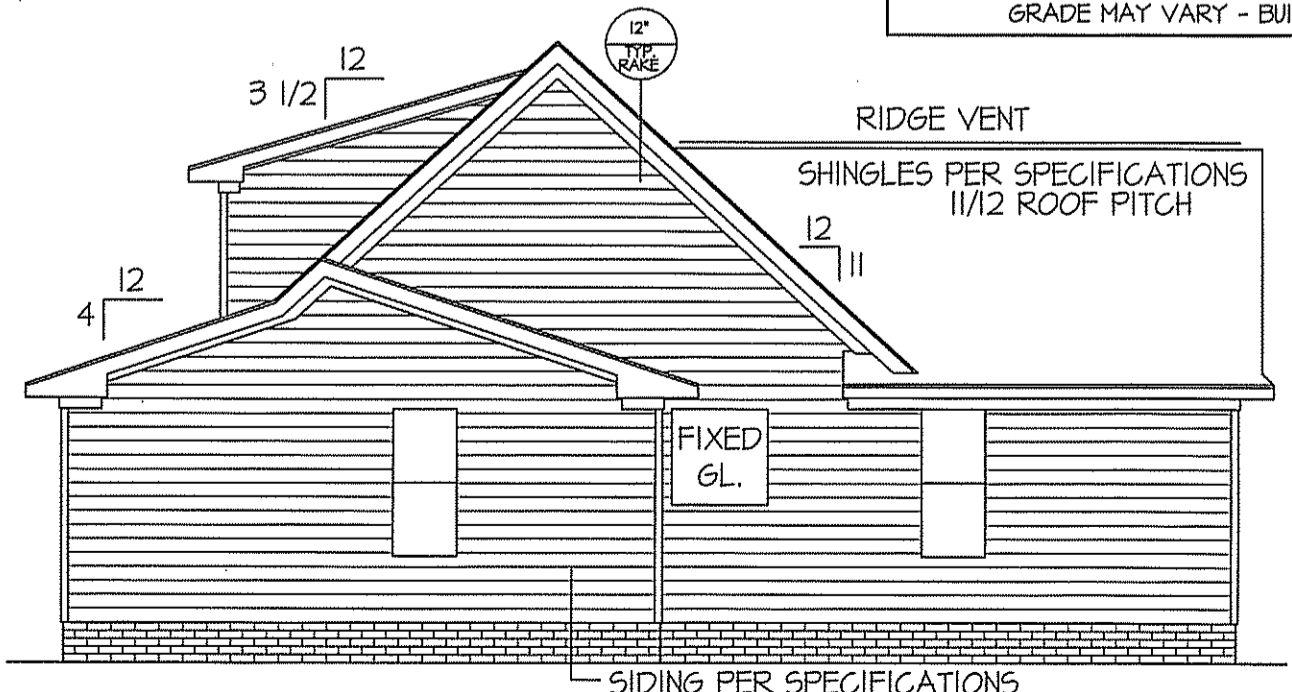
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-38	R-38
MINIMUM WALL R-VALUE	R-15, I3+25	R-15, I3+25
MINIMUM FLOOR R-VALUE	R-19	R-19
MIN. CRAWL SPACE WALL R-VALUE	5/13	10/15
MIN. SLAB R-VALUE	0	R-10

PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY



LEFT ELEVATION

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



RIGHT ELEVATION

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

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

APPROVED
Local Building Dept. Review
Permit holder responsible for full compliance with the code.

07/29/2024

EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
CASTLEBERRI~JOHNSON

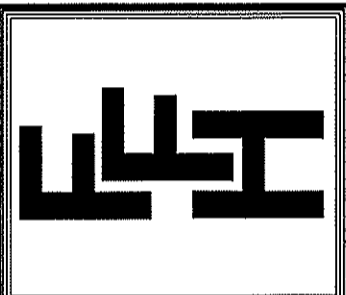
SHEET NO.
1

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

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

DATE:
MAY 10, 2024

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

PLAN:
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).

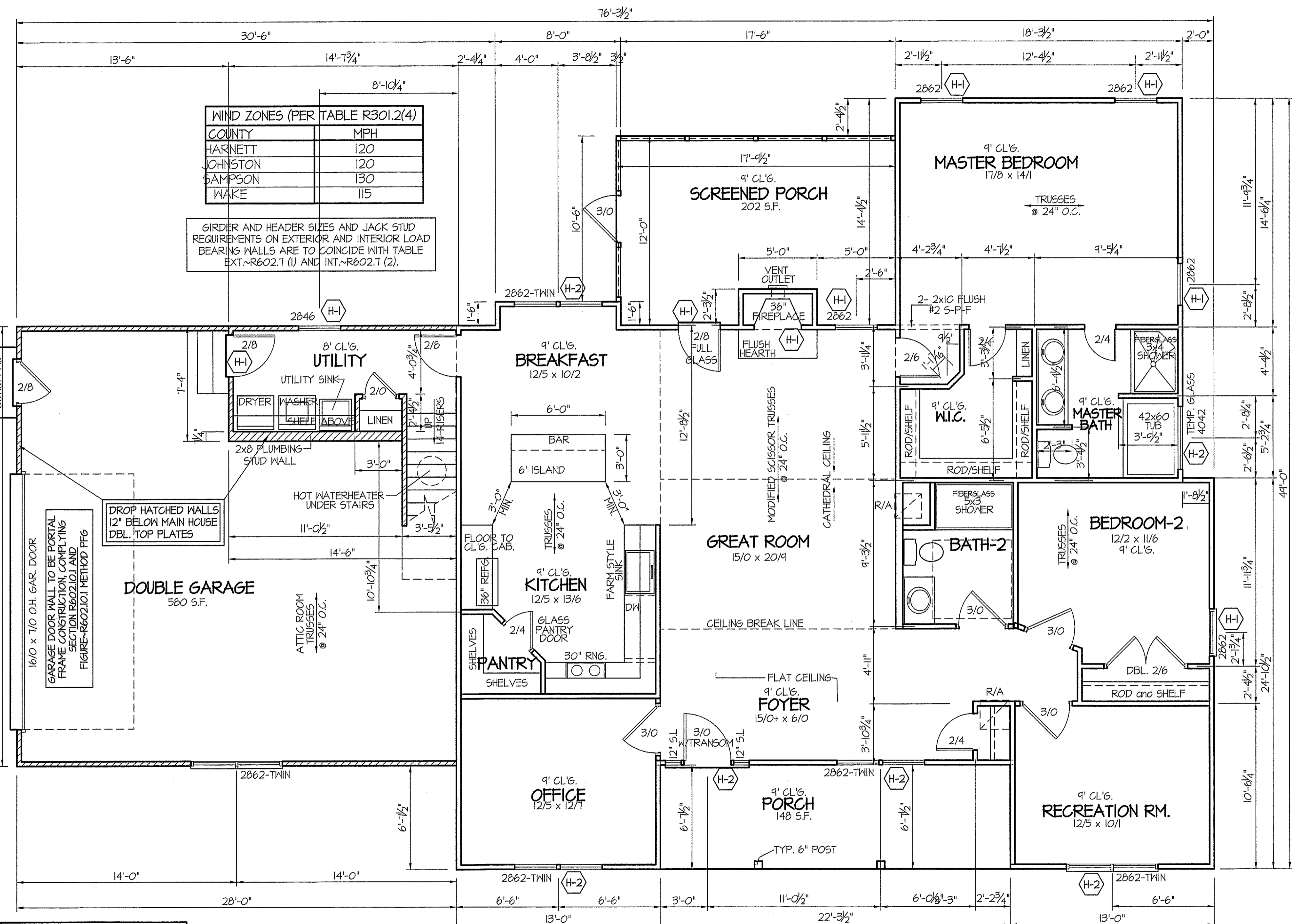


TABLE R602.7.5
MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

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.

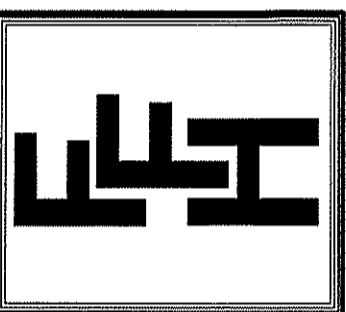
ALL INTERIOR AND EXTERIOR LOAD BEARING HEADERS WILL BE 2x10 #2 SPF UNLESS OTHERWISE NOTED.

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

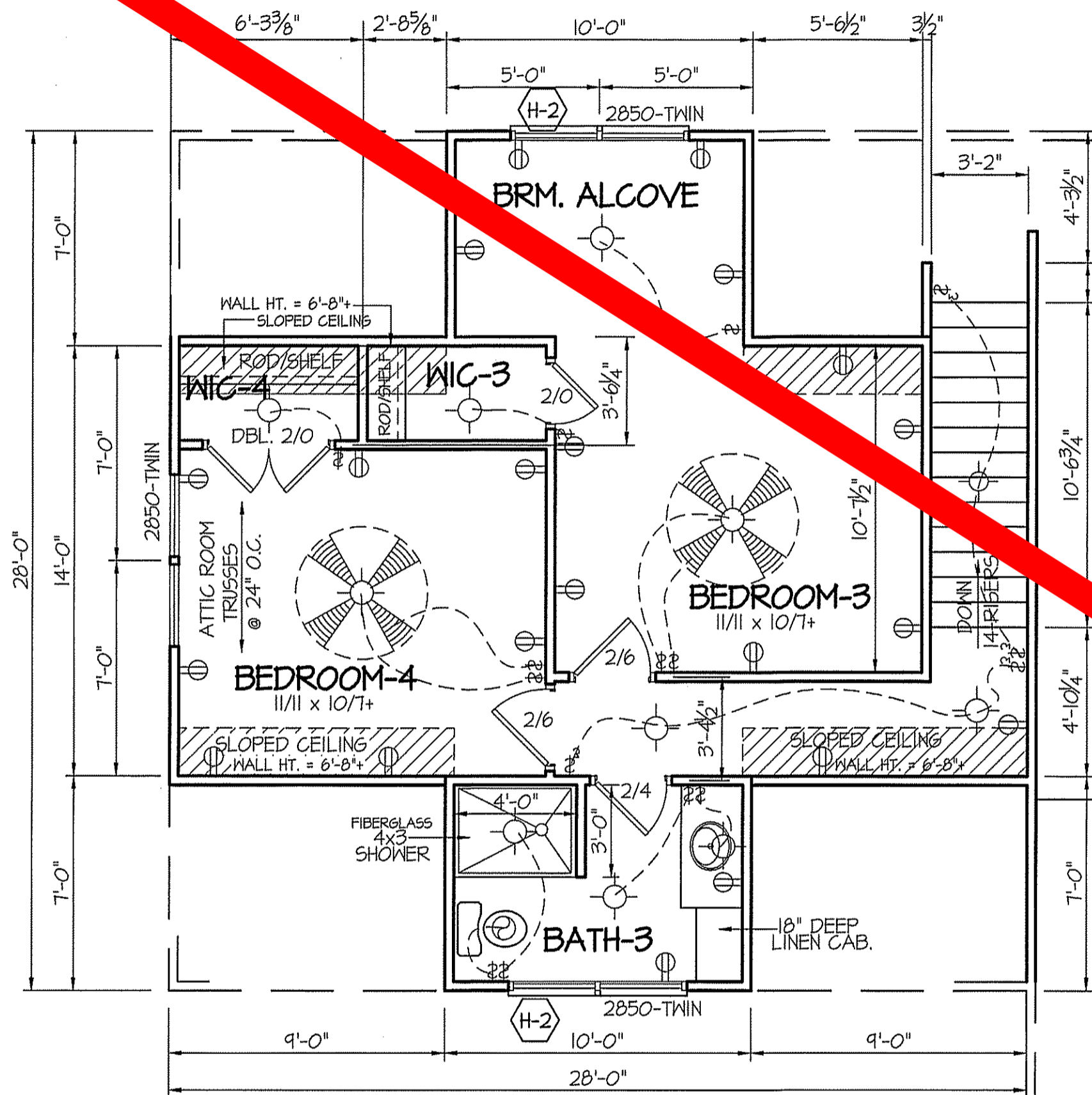
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EXCLUSIVE PLAN FOR
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CASTLEBERRI~JOHNSON

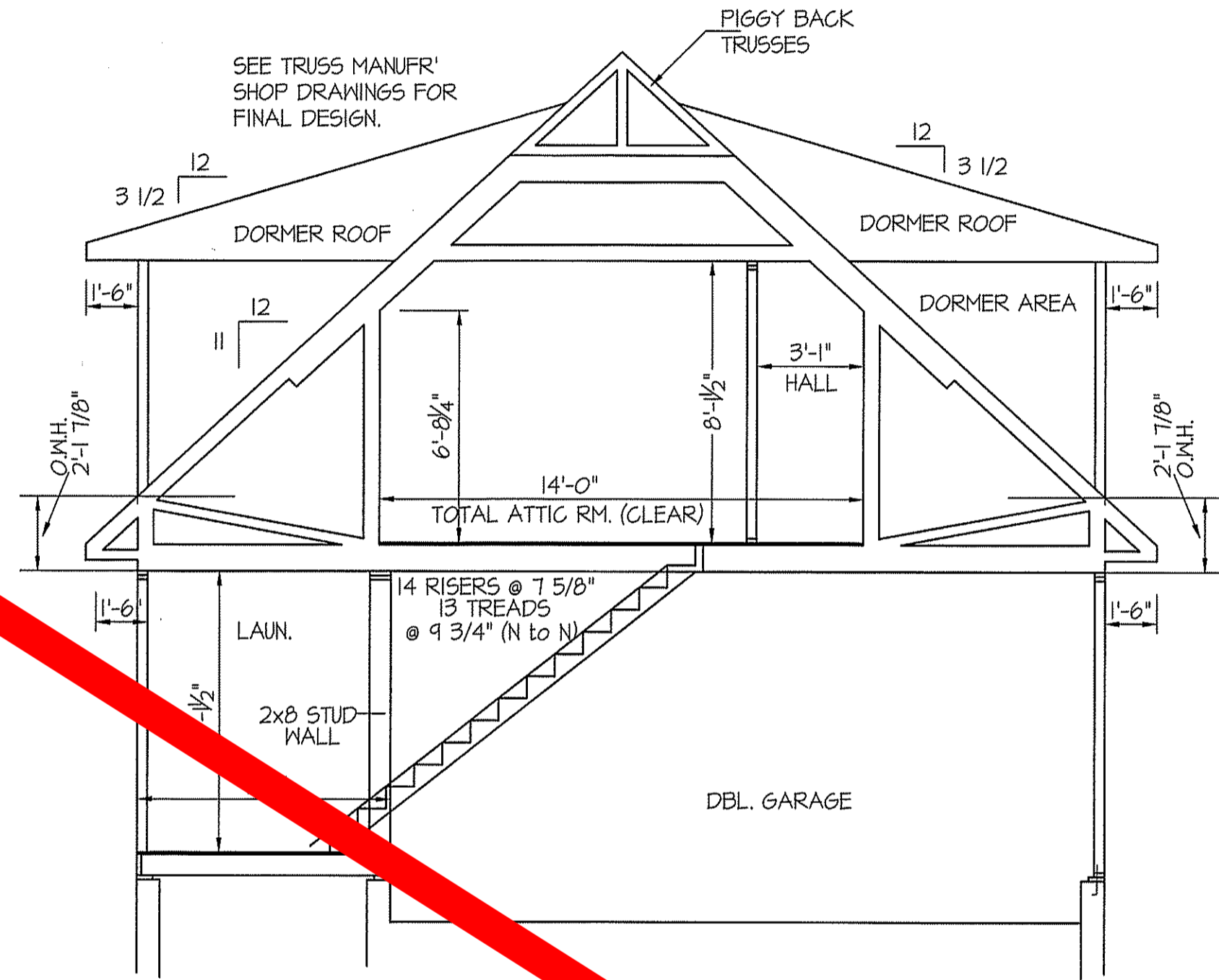
SHEET NO.
3

SEE REPLACEMENT SHEET



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

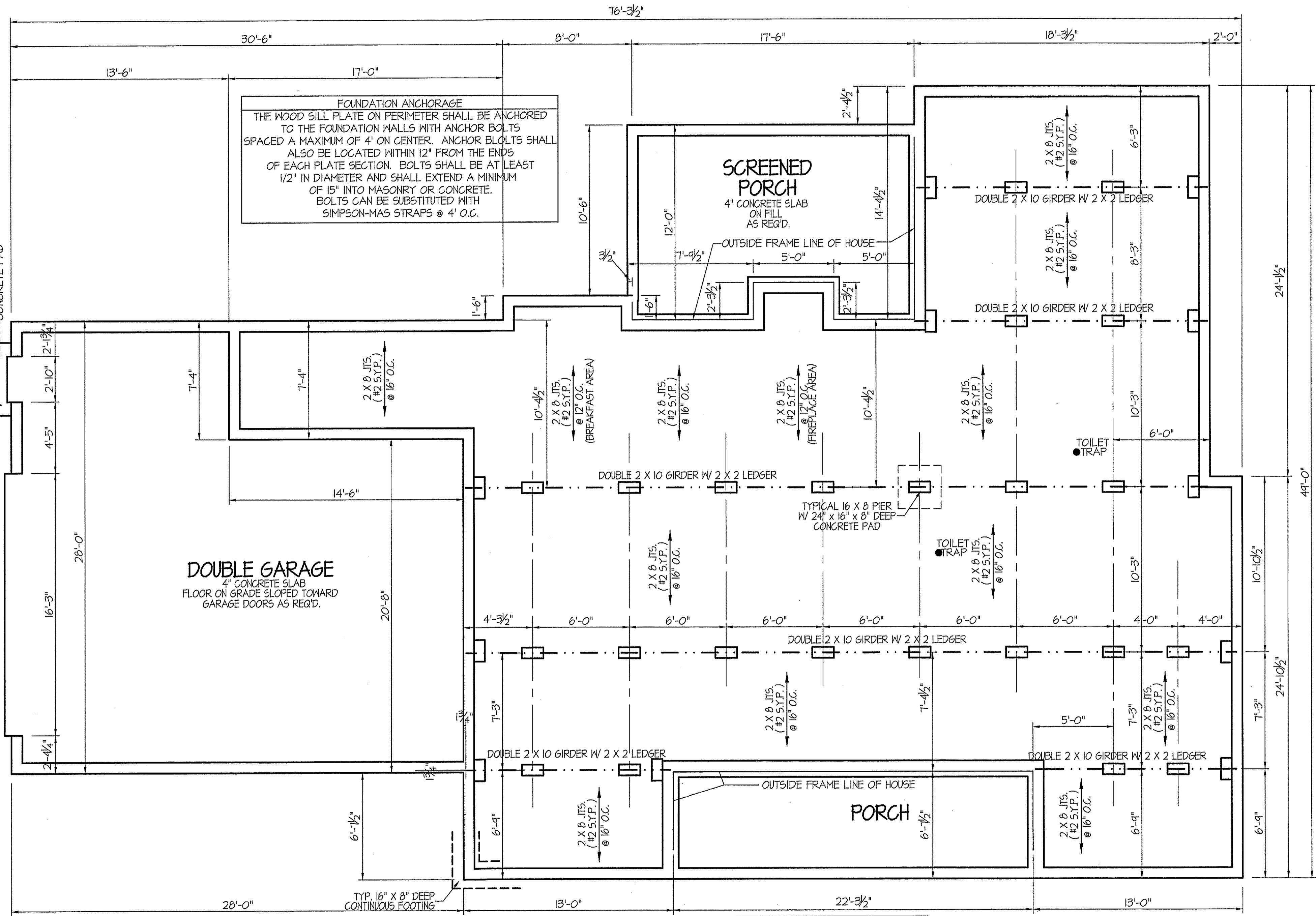
SECOND FLOOR OPTIONAL RETREAT ROOM = 514 S.F. (FRAME)
(DOES NOT INCLUDE STAIRS)



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

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.



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).

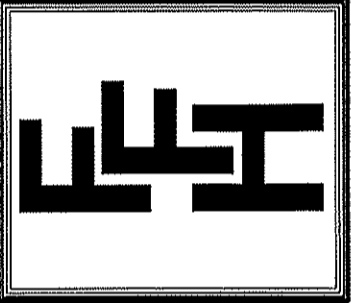
NOTES:
 USE SGL. 2x8 BANDS w/2x2 LEDGER ON 8" WALLS
 USE DOUBLE 2x10 GIRDERS w/2x2 LEDGERS
 USE 2x8 JOISTS @ 12" @ 16" O.C., ADD SGL. JOIST UNDER PARALLEL INTERIOR WALLS AS REQ'D.
 PROVIDE 24 X 36 ACCESS OPENING IN FND. WALL.
 PROVIDE STEPS TO GRADE (MAX. 8")
 HOLD ALL PIERS 1/2" BELOW FND. WALL

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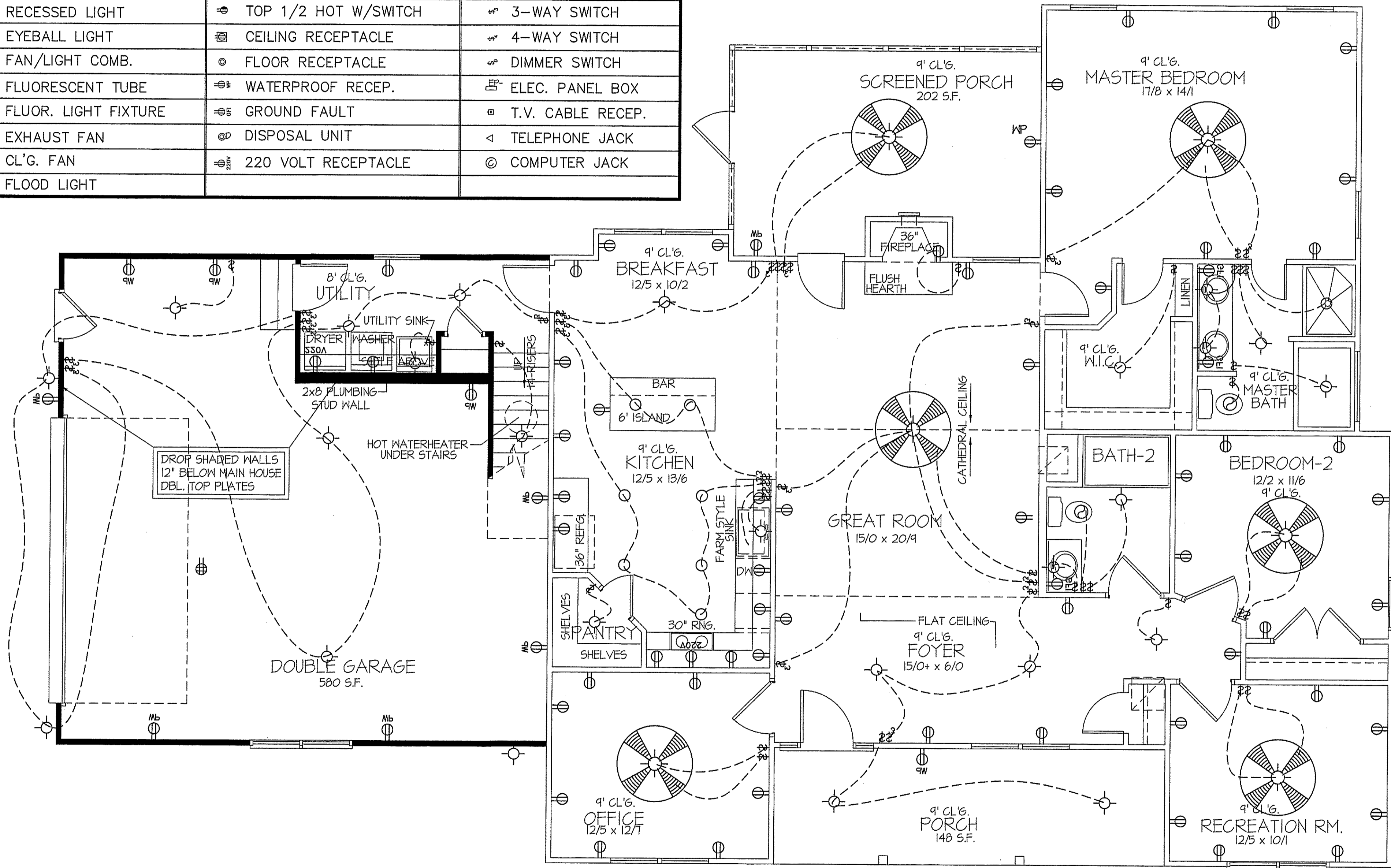
PLAN:
**EXCLUSIVE PLAN FOR
 FREEDOM FAMILY HOMES**
CASTLEBERRI-JOHNSON

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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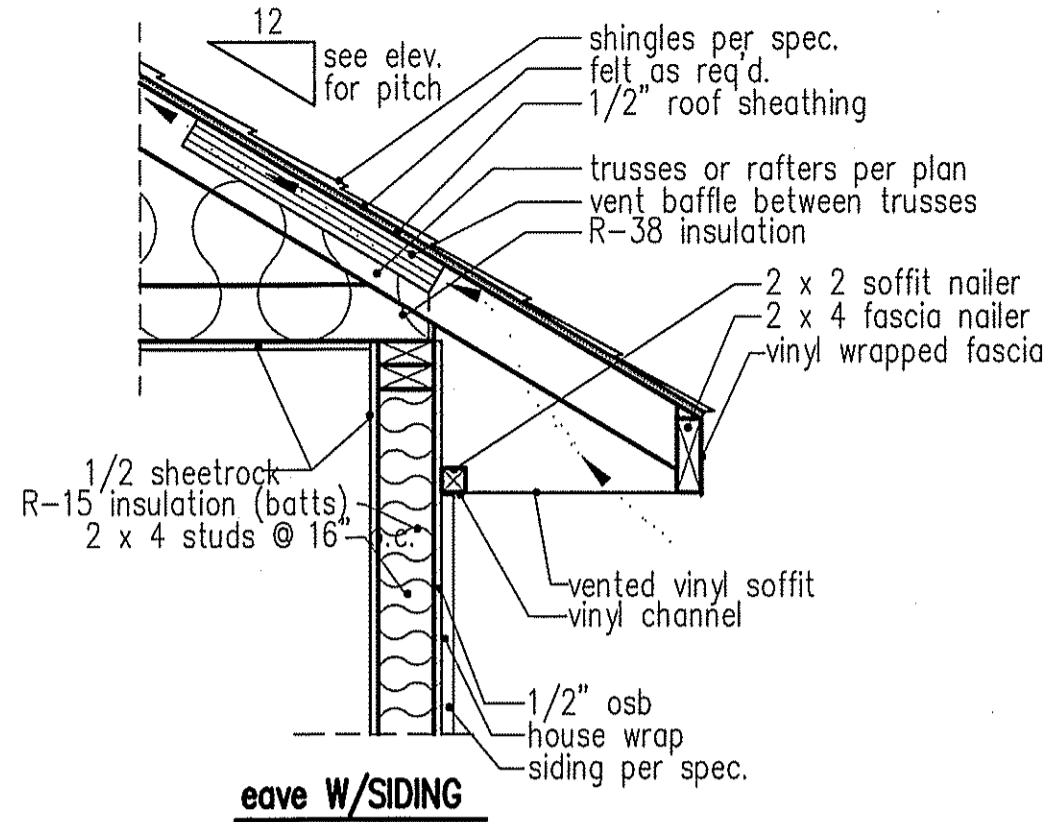
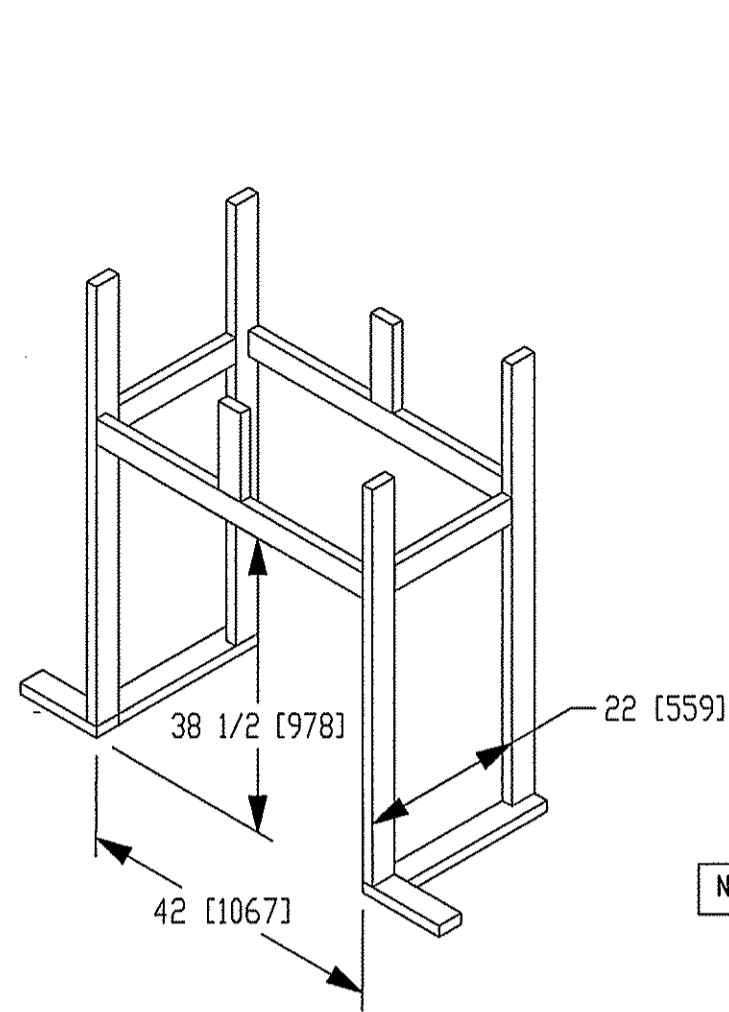


**EXCLUSIVE PLAN FOR
 FREEDOM FAMILY HOMES
 CASTLEBERI~JOHNSON**

PLAN:

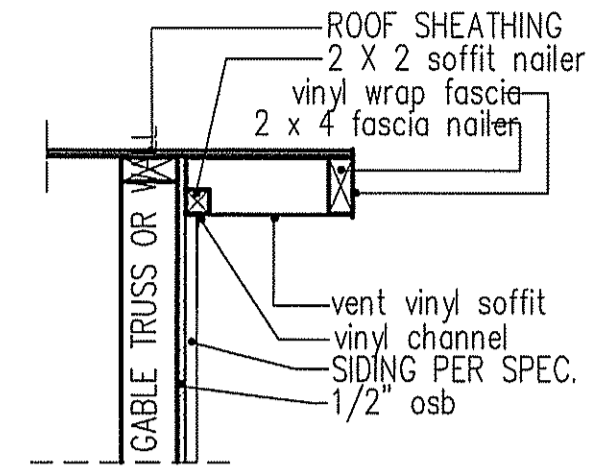
SHEET NO.

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

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

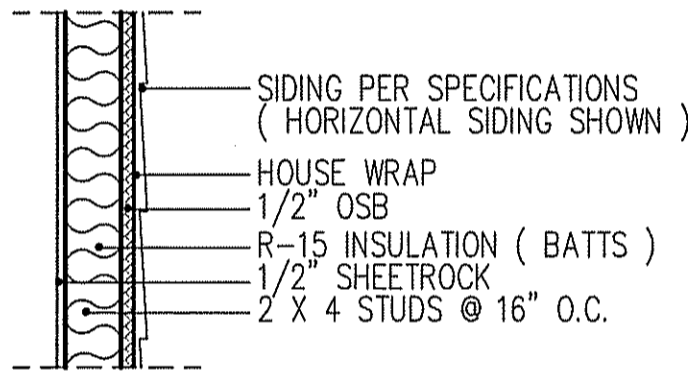
HEADER SPAN (feet)	MAX. STUD SPACING (Inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

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).

DIMENSIONS IN [] ARE MM

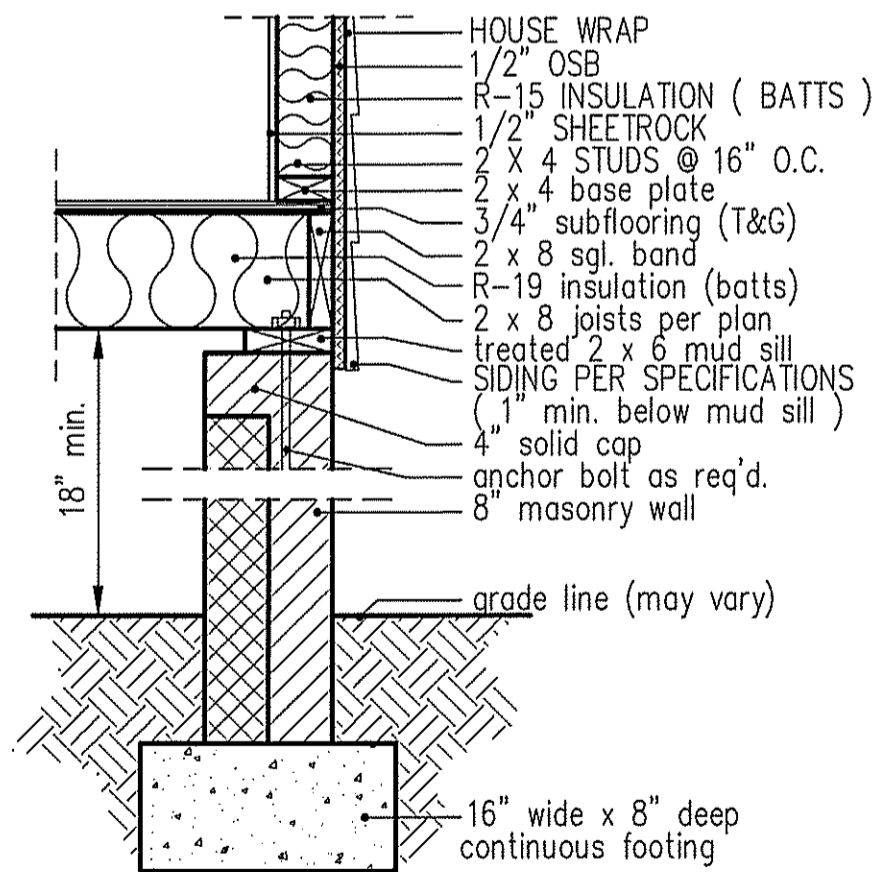
Model 6000-TR	SPECIFICATIONS								Glass Size	BTU Input
	Height		Front Width		Back Width		Depth			
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing		
Inches	38	38-1/2	41	42	28-1/2	42	21-1/2	22		

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

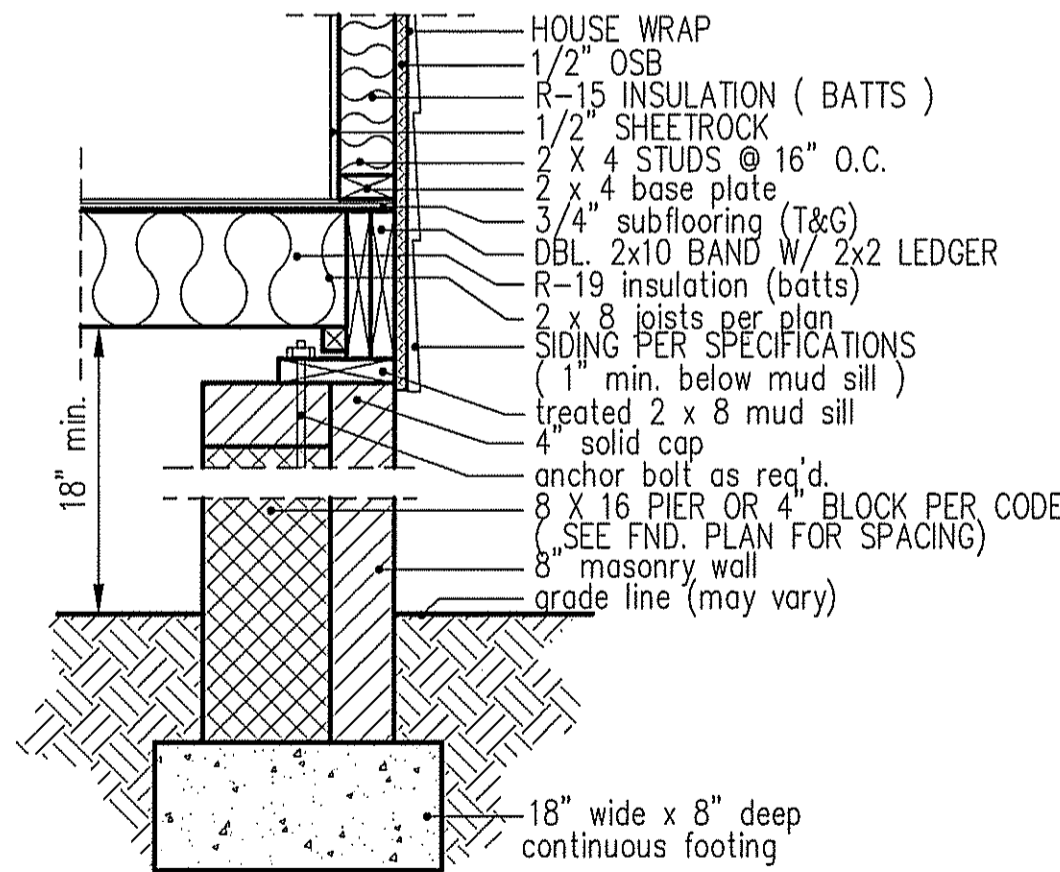


WALL W/siding

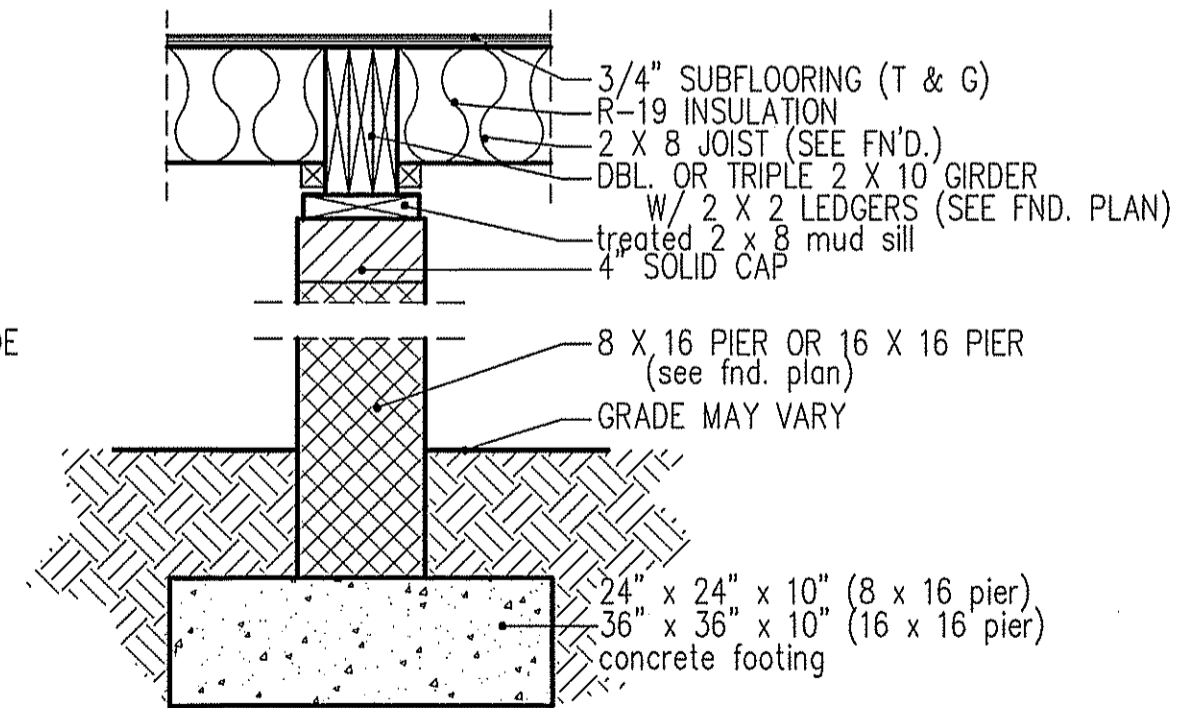
intermediate wall details



8" BOX SILL FOUNDATION WALL



PIER and CURTAIN FOUNDATION WALL

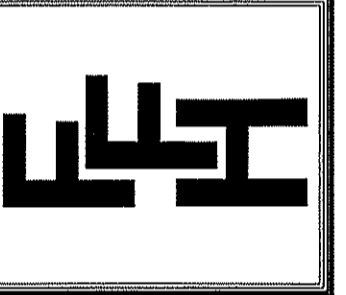


PIER and GIRDER DETAIL

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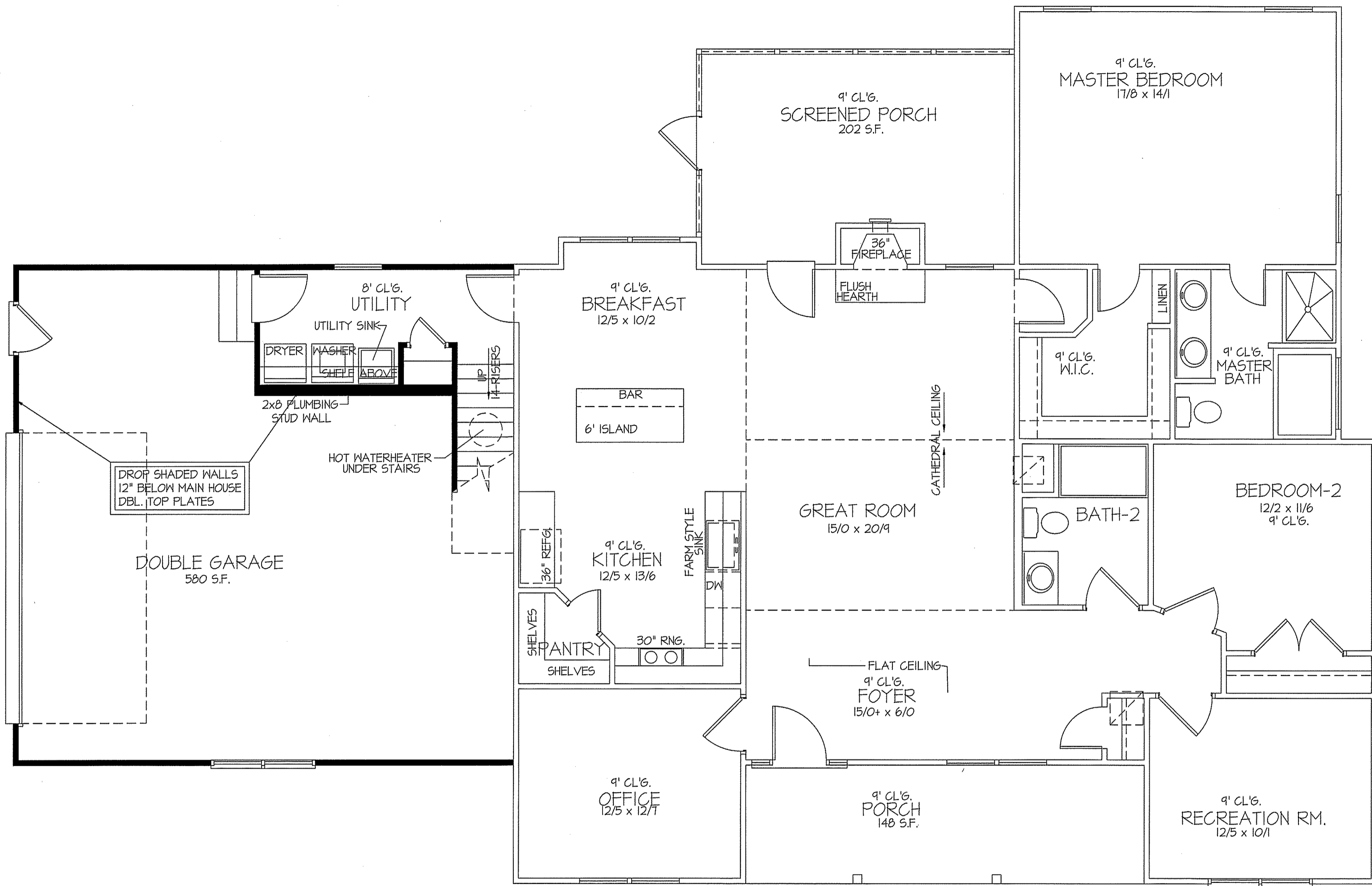
DATE:
MAY 10, 2024

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

SHEET NO.
7

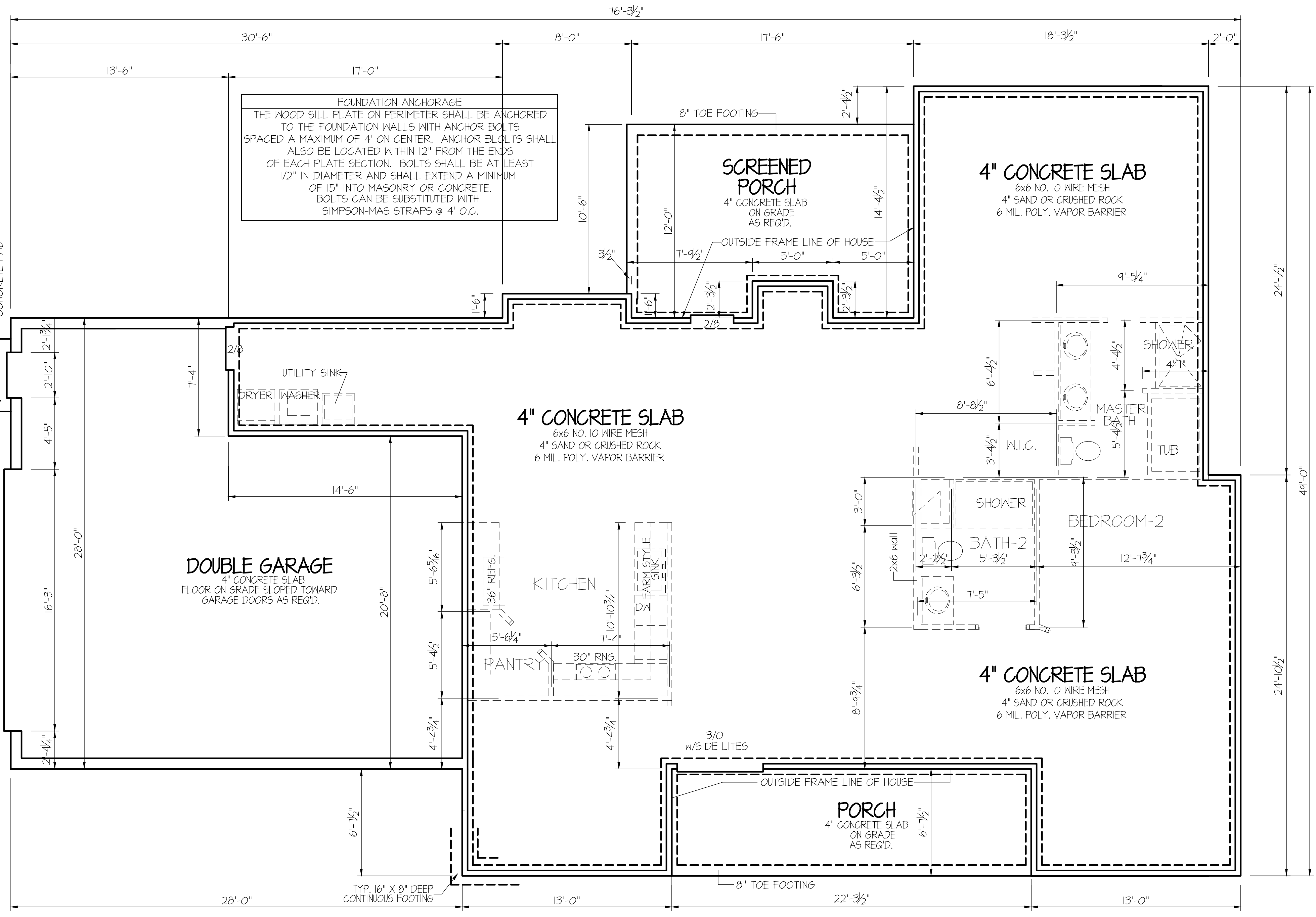


FIRST FLOOR ONLY
TOTAL HEAT GAIN = 30,381 B.T.U.H.
TOTAL HEAT LOSS = 48,024 B.T.U.H.

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 = 2401 S.F.
DOUBLE GARAGE = 677 S.F. (FRAME)
FRONT PORCH = 148 S.F.
SCREENED PORCH = 202 S.F.



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-MA5 STRAPS @ 4' O.C.

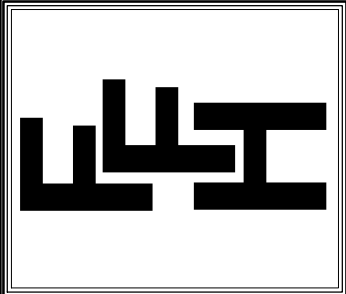
FOUNDATION DRAINAGE
 A DRAINAGE SYSTEM IS NOT REQUIRED WHEN THE FOUNDATION IS INSTALLED ON WELL-DRAINED GROUND OR SAND-GRAVEL MIXTURE SOILS ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM, GROUP 1 SOILS, AS DETAILED IN TABLE R405.1

NOTE:
 USE 4" CONCRETE SLAB ON FILL AS REQ'D. SEE ANCHOR NOTE FOR N.C. CODE REQ'MTS. TREAT SOIL FOR TERMITES AS PER LOCAL / STATE CODES. HOLD GARAGE SLAB 4" MIN. BELOW HOUSE SLAB. SLOPE GARAGE SLAB FOR PROPER DRAINAGE. PROVIDE STEPS IF REQ'D.

SLAB ON GRADE
FOUNDATION PLAN
 SCALE: 1/4" = 1'-0"

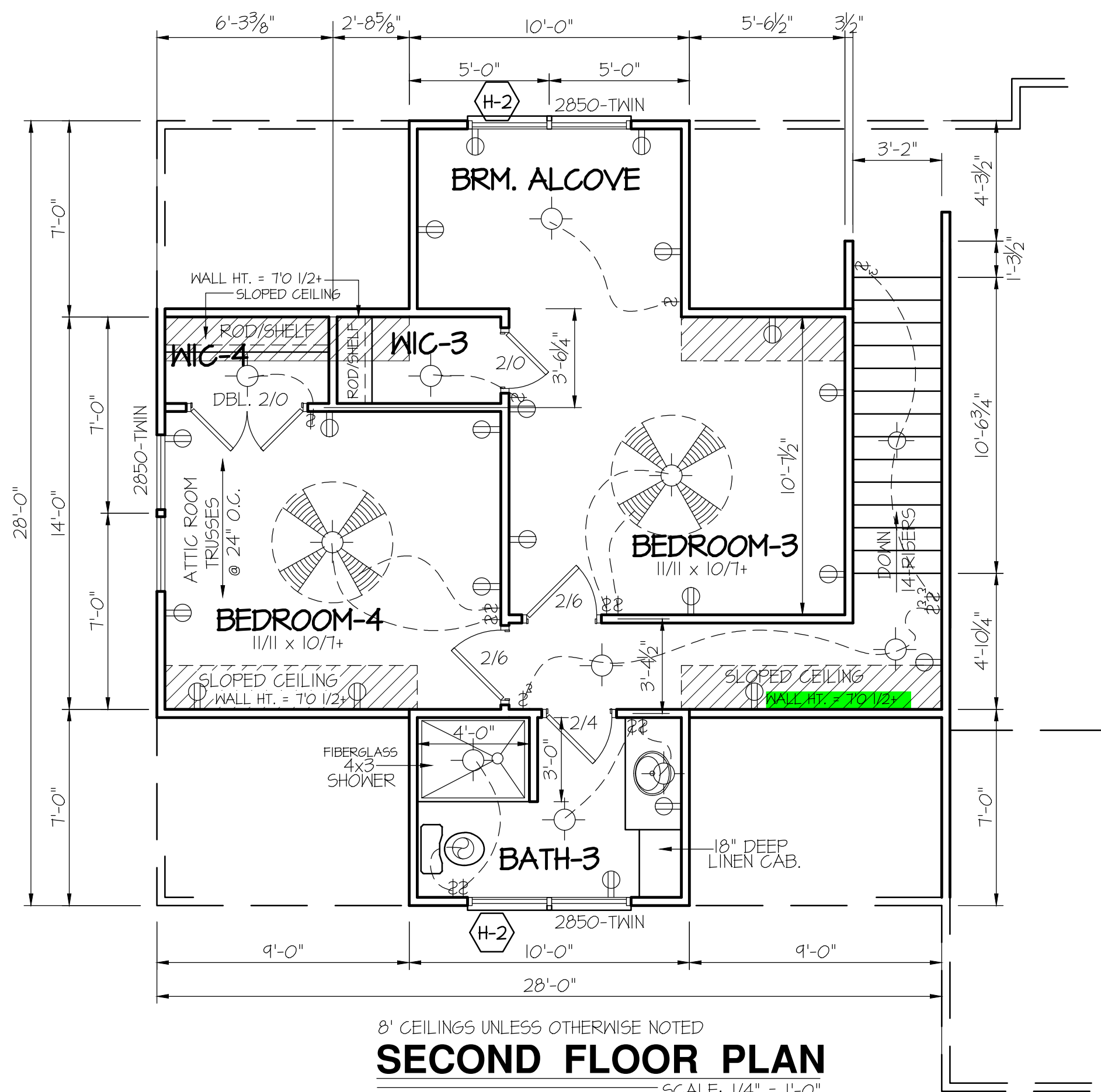
DATE:
 JULY 24, 2024

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EXCLUSIVE PLAN FOR
 FREEDOM FAMILY HOMES
CASTLEBERI~JOHNSON

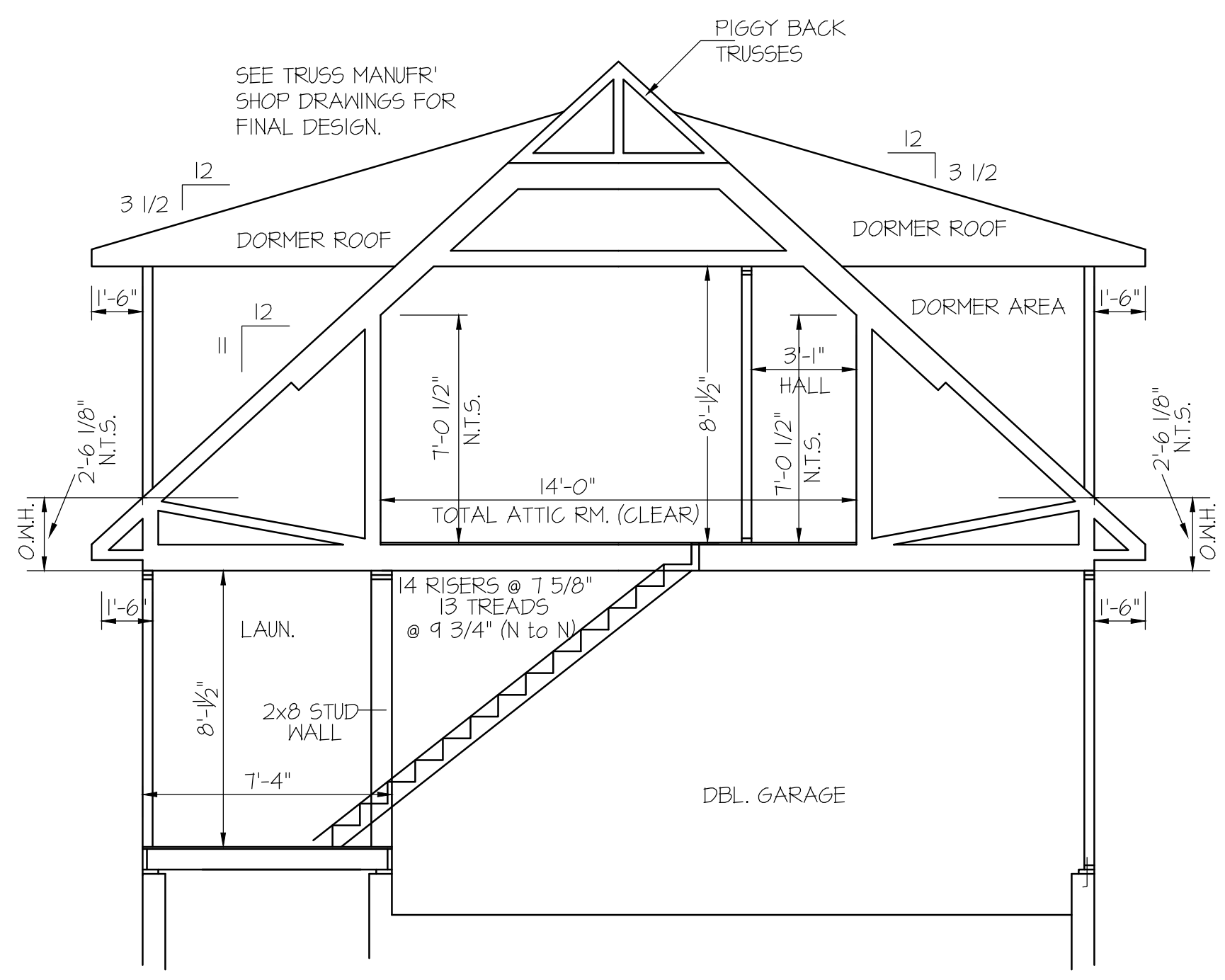
PLAN:
 SHEET NO.
4s



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

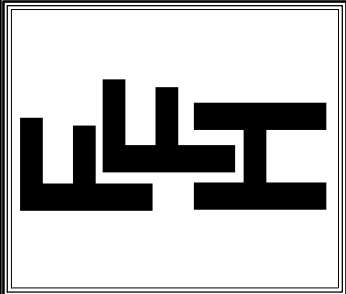
RETREAT ROOM ONLY
 TOTAL HEAT GAIN = 7,573 B.T.U.H.
 TOTAL HEAT LOSS = 12,228 B.T.U.H.

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



DATE:
 MAY 10, 2024
 JULY 29, 2024

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

PLAN:
 SHEET NO.
3

Freedom Constructors
 Job #28103
 Johnson

70-03-08

