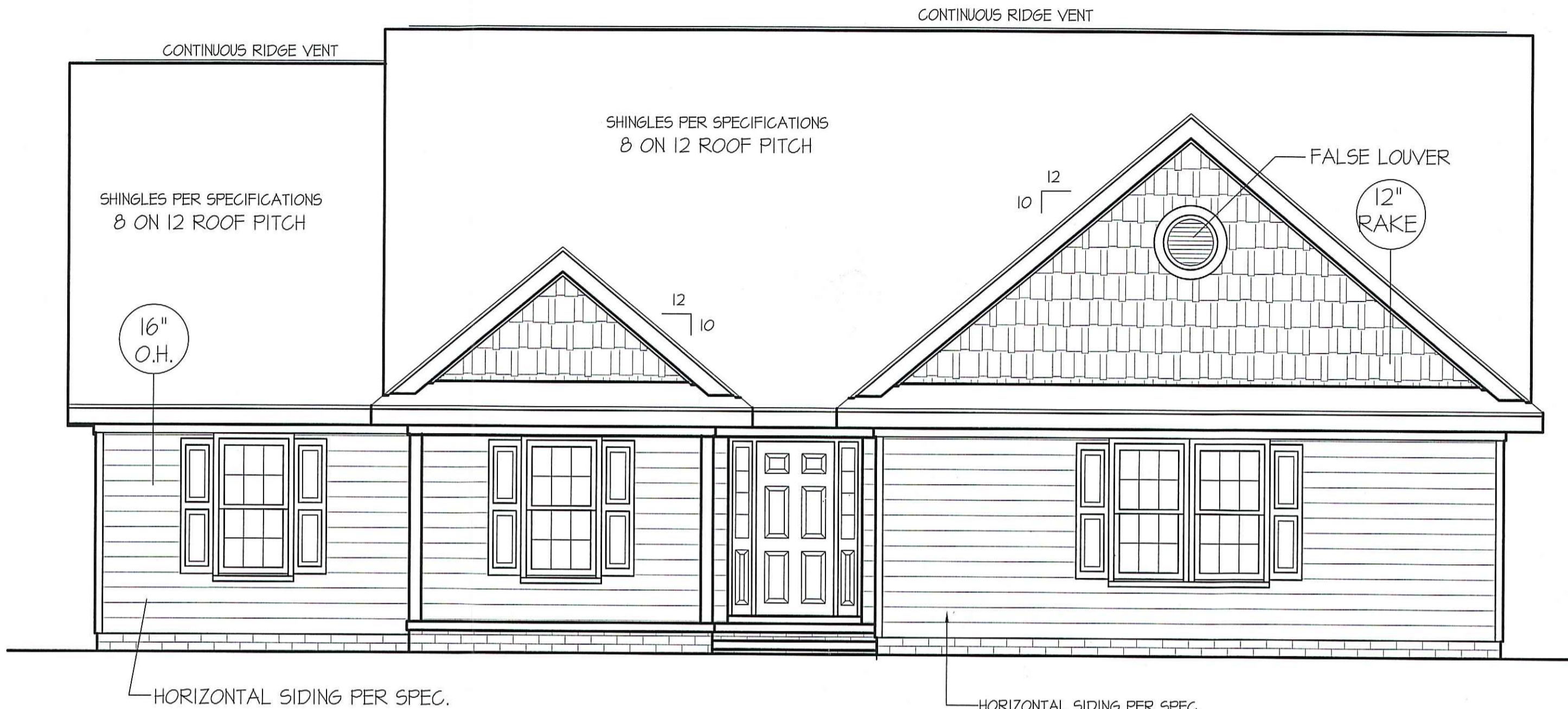


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

DATE:
FEB. 20, 2021



FRONT ELEVATION

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

ROOF VENTILATION REQ'MTS.
2510 ATTIC SQ. FT. / 300 = 8.37
PROVIDED ON PLAN
97 L.F. RIDGE VENT = 18.19
124 L.F. SOFFIT VENT = 7.75
TOTAL = 25.94 S.F. FREE NET AREA

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

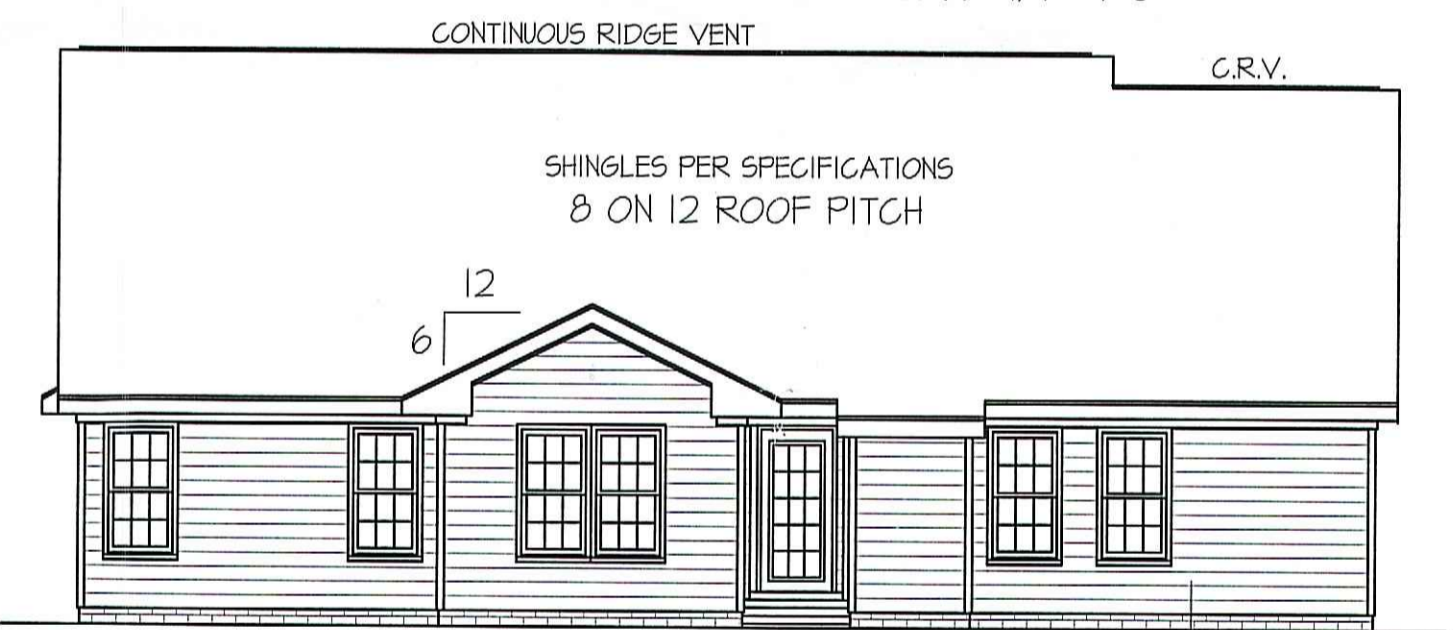
| COUNTY | MPH |
|----------|-----|
| HARNETT | 120 |
| JOHNSTON | 120 |
| SAMPSON | 130 |
| WAKE | 115 |

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 |

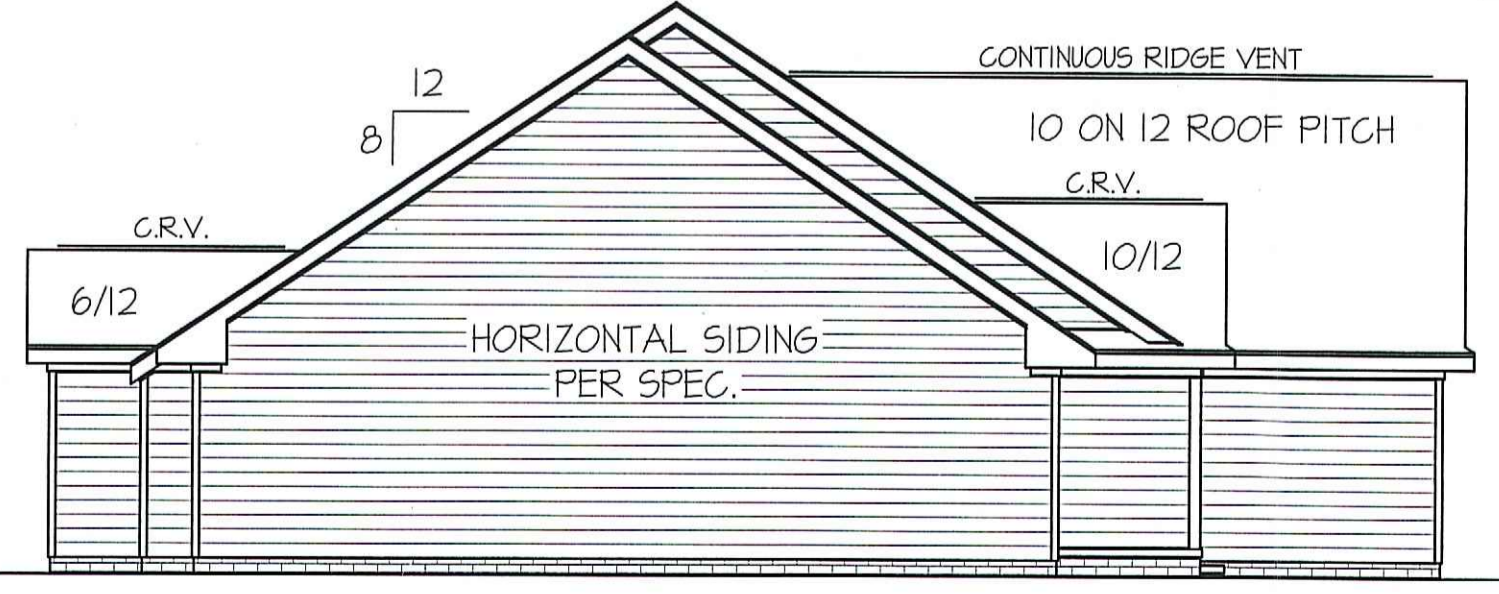
PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY

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



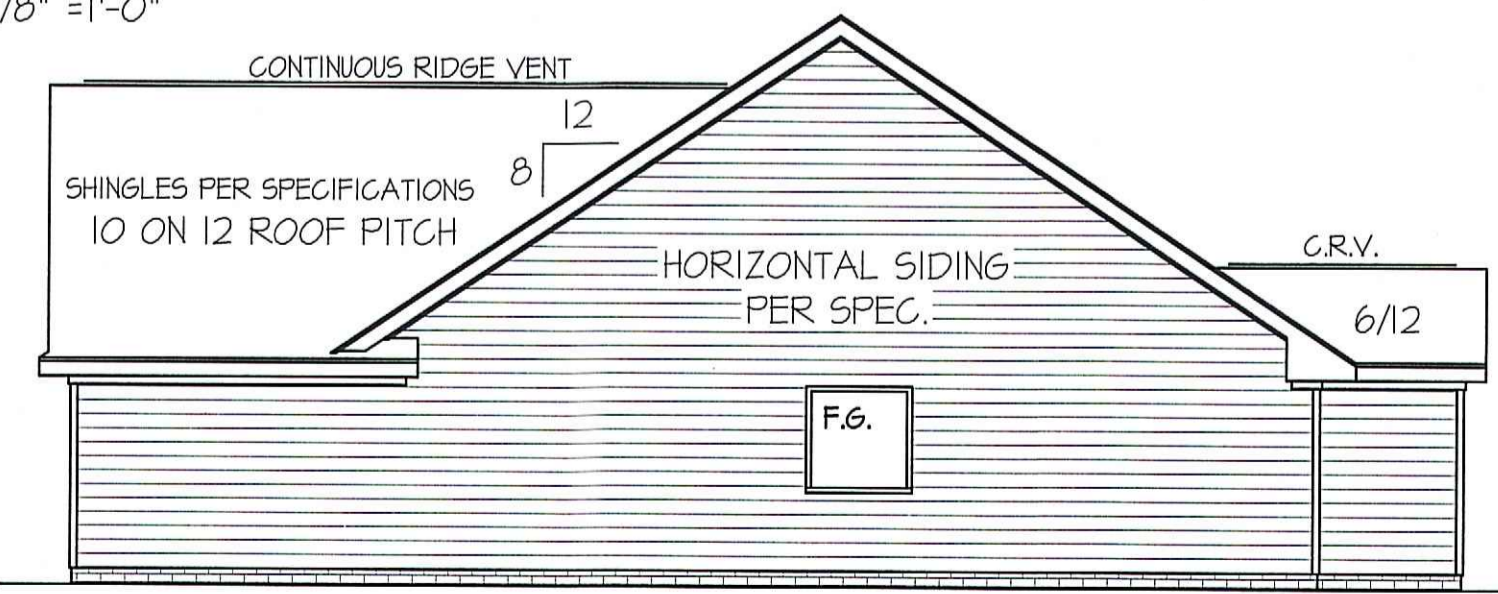
REAR ELEVATION

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



LEFT ELEVATION

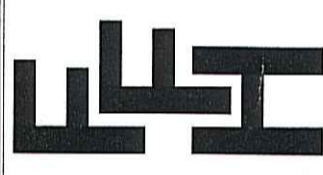
SCALE: 1/8" = 1'-0"



RIGHT ELEVATION

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

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EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
WILSON~SIKORSKI

SHEET NO.
1

MAIN COMPUTER FILE: FFH - WILSON-SIKORSKI - FEB-2021

SJS *o.s.*

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

| 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 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.

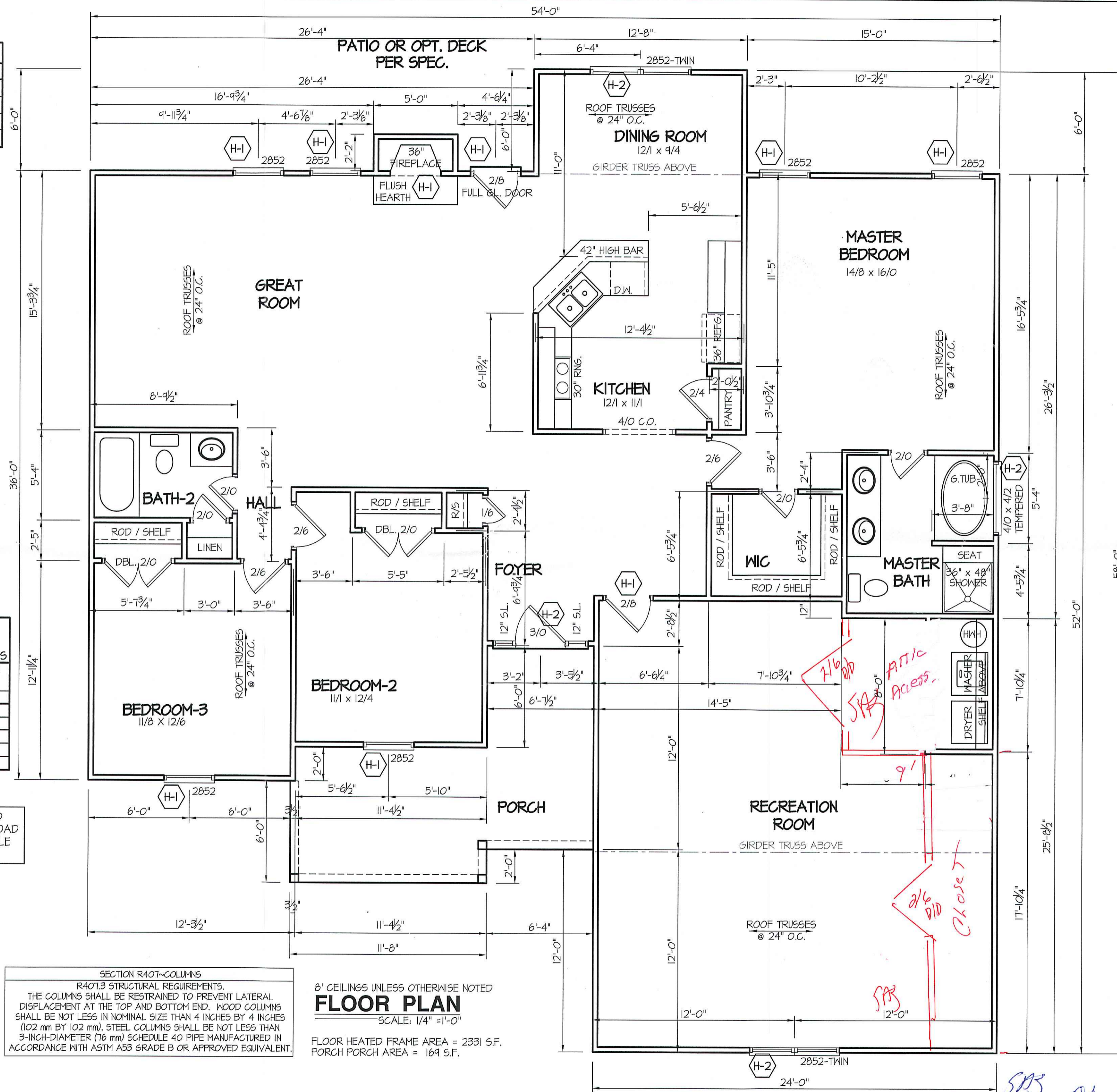
| TABLE R602.7.5 MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS | | |
|--|--|----|
| HEADER SPAN (feet) | MAX. STUD SPACING (Inches) [per Table R602.3(5)] | |
| | 16 | 24 |
| < 3' | 1 | 1 |
| 4' | 2 | 1 |
| 8' | 3 | 2 |
| 12' | 5 | 3 |
| 16' | 6 | 4 |

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).

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.

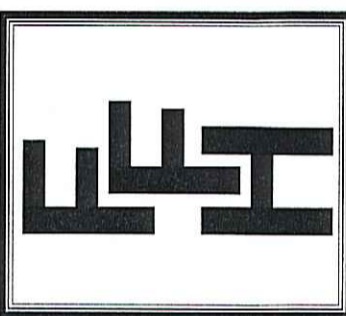
8' CEILINGS UNLESS OTHERWISE NOTED
FLOOR PLAN
SCALE: 1/4" = 1'-0"

FLOOR HEATED FRAME AREA = 2331 S.F.
PORCH PORCH AREA = 169 S.F.



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FEB. 20, 2021

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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 I SOILS, AS DETAILED IN TABLE R405.

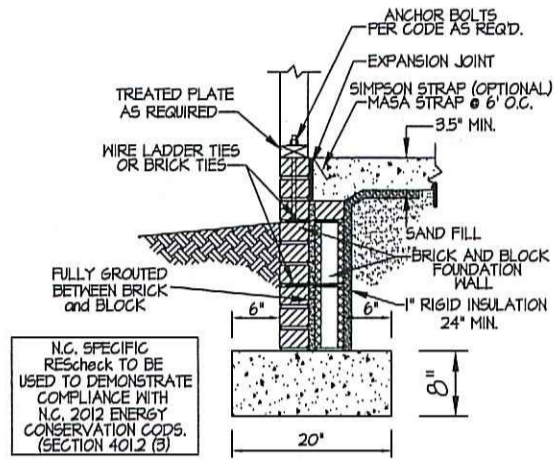
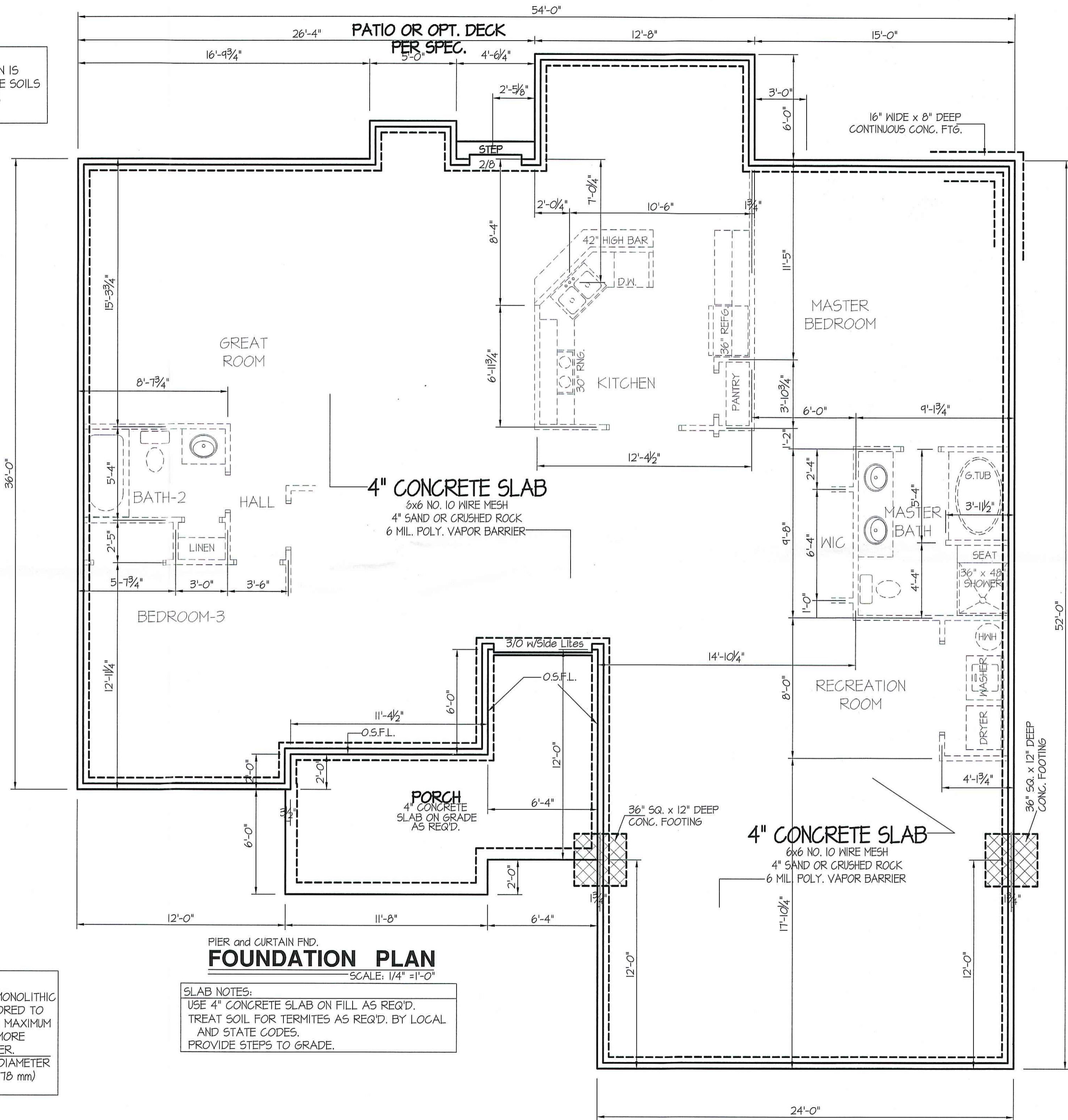


FIGURE R405(11)
 GROUND SUPPORT SLAB WITH MASONRY WALL AND SPREAD FOOTING

HOUSE CONCRETE SLAB ON GRADE FOOTING AND WALL SECTION 1/2" = 1'-0"

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.



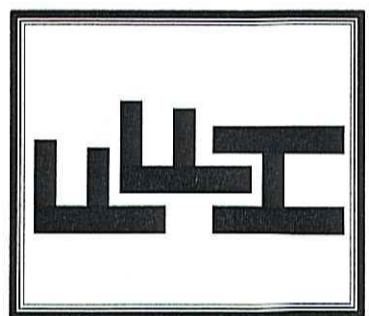
PIER and CURTAIN FND.
FOUNDATION PLAN

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

SLAB NOTES:
 USE 4" CONCRETE SLAB ON FILL AS REQ'D.
 TREAT SOIL FOR TERMITES AS REQ'D. BY LOCAL AND STATE CODES.
 PROVIDE STEPS TO GRADE.

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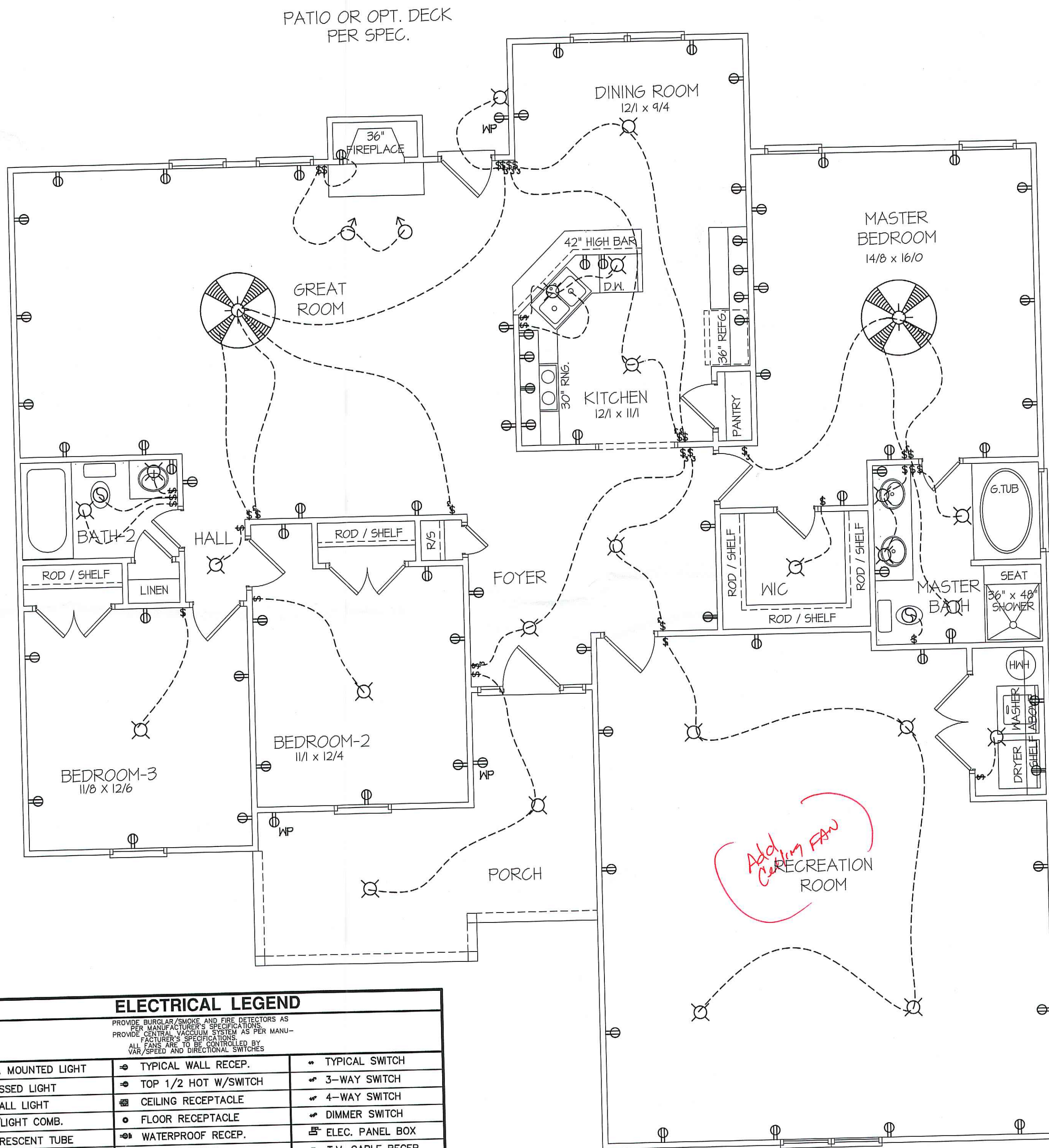


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SHEET NO.
3

SKS

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PATIO OR OPT. DECK
PER SPEC.

DINING ROOM
12/1 x 9/4

MASTER
BEDROOM
14/8 x 16/0

GREAT
ROOM

KITCHEN
12/1 x 11/1

BEDROOM-3
11/8 x 12/6

BEDROOM-2
11/1 x 12/4

RECREATION
ROOM

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' CL.G. UNLESS OTHERWISE NOTE
**ELECTRICAL
FLOOR PLAN**
SCALE: 1/4" = 1'-0"

FLOOR HEATED FRAME AREA = 2331 S.F.
PORCH PORCH AREA = 169 S.F.

SAS

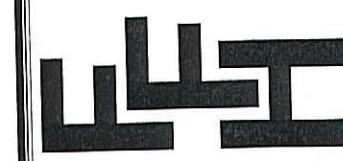
RS

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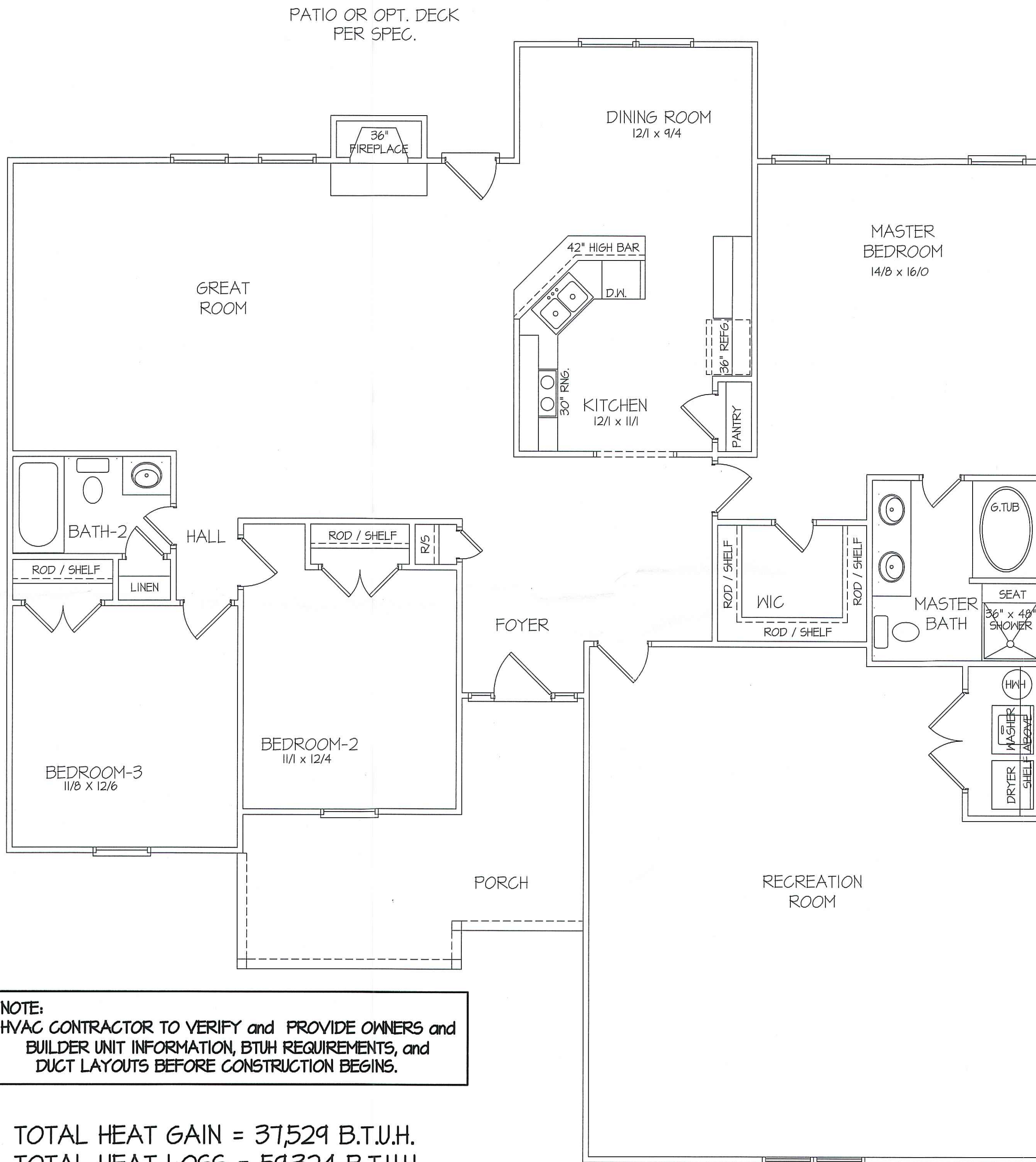
WILSON-SIKORSKI

PLAN:

SHEET NO.

4

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

TOTAL HEAT GAIN = 37,529 B.T.U.H.
 TOTAL HEAT LOSS = 59,324 B.T.U.H.

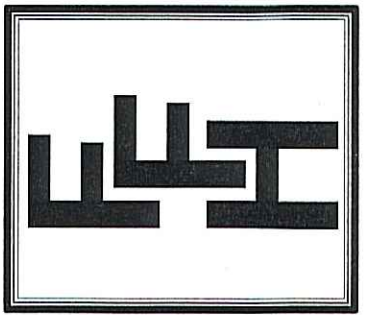
8' CEILINGS UNLESS OTHERWISE NOTED
HVAC FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 FLOOR HEATED FRAME AREA = 2331 S.F.
 PORCH PORCH AREA = 169 S.F.

SAS

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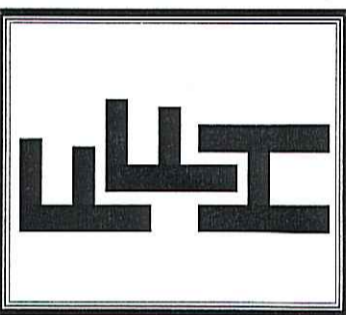


PLAN:
**EXCLUSIVE PLAN FOR
 FREEDOM FAMILY HOMES**
WILSON~SIKORSKI

SHEET NO.
5

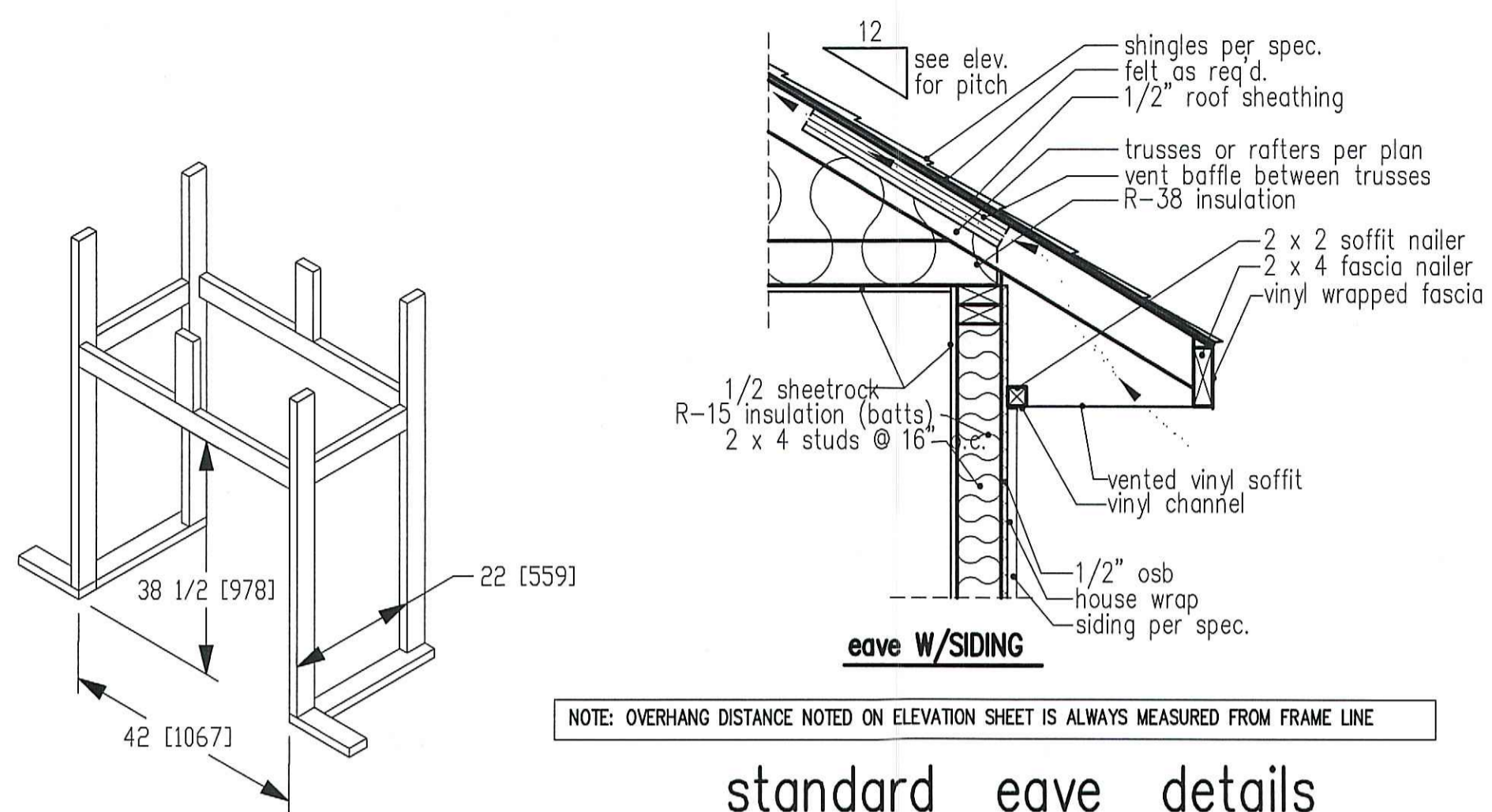
DATE:
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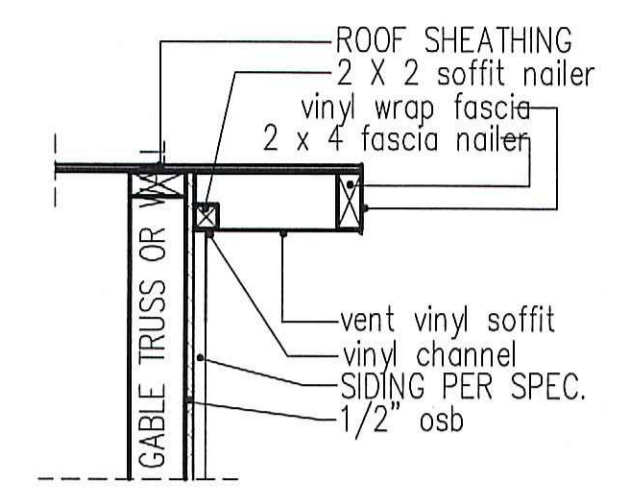
EXCLUSIVE PLAN FOR
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PLAN:
SHEET NO.
6



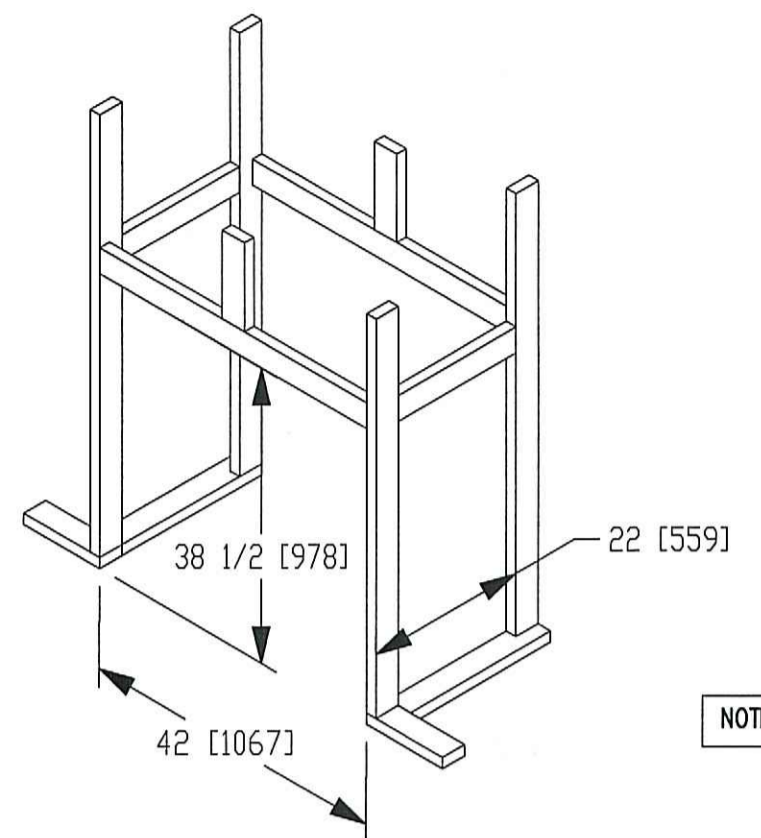
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

standard eave details



RAKE w/SIDING

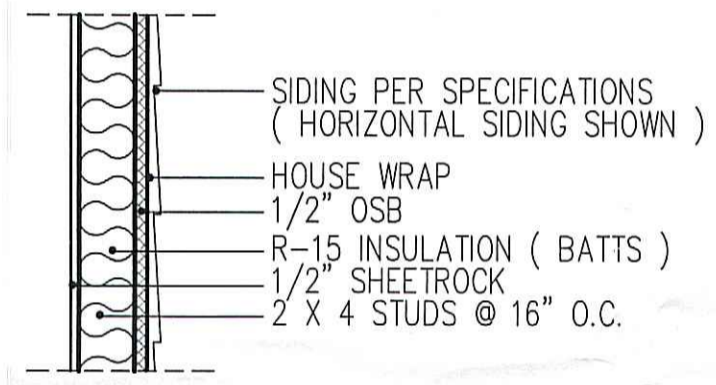
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE



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.



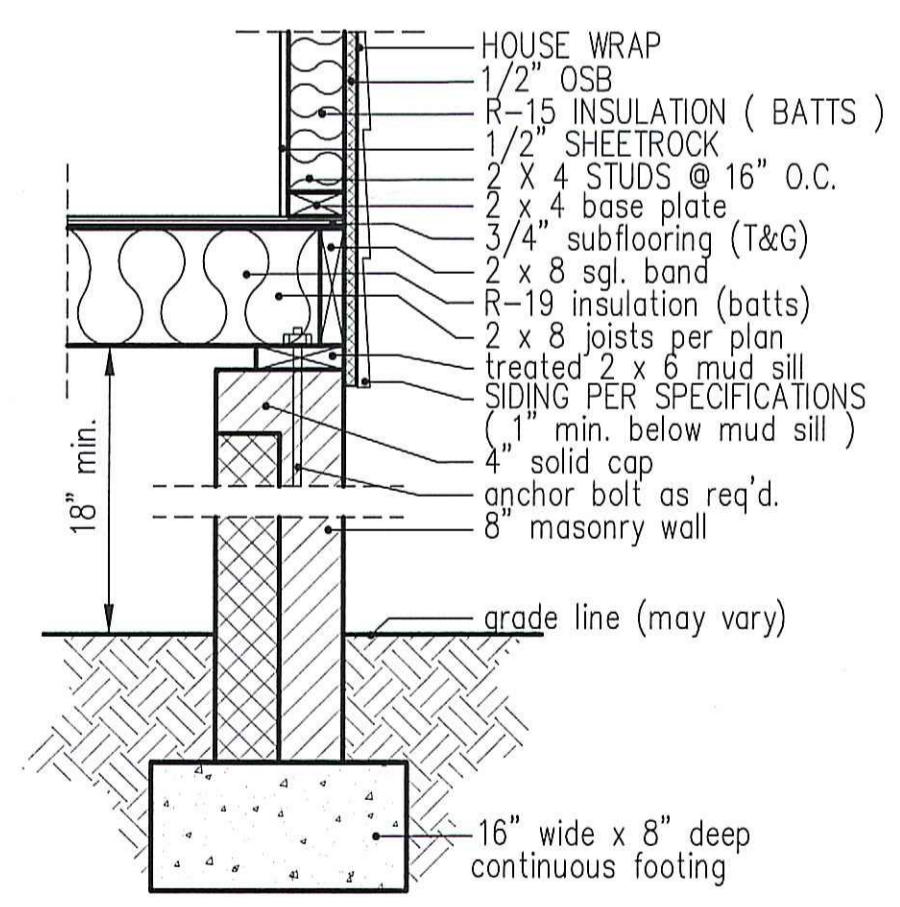
WALL W/siding

intermediate wall details

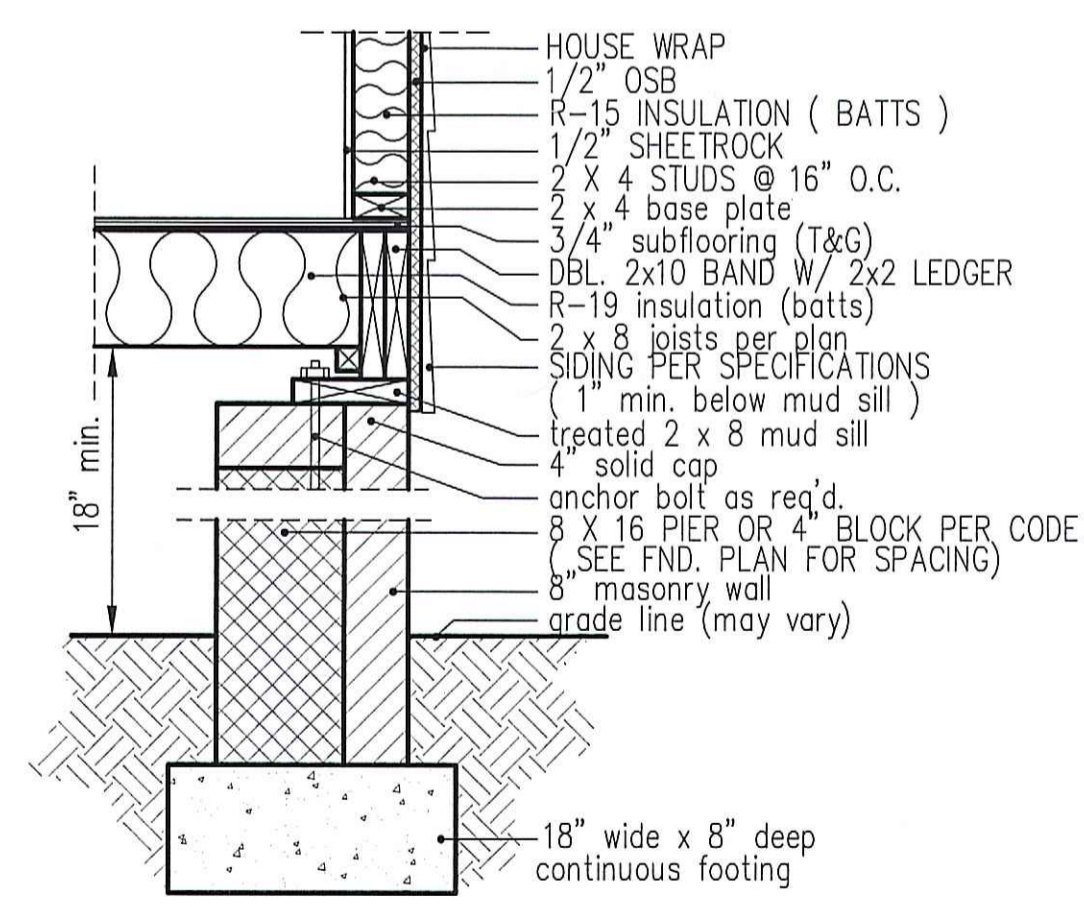
TABLE R602.7.5
MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

| 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 |

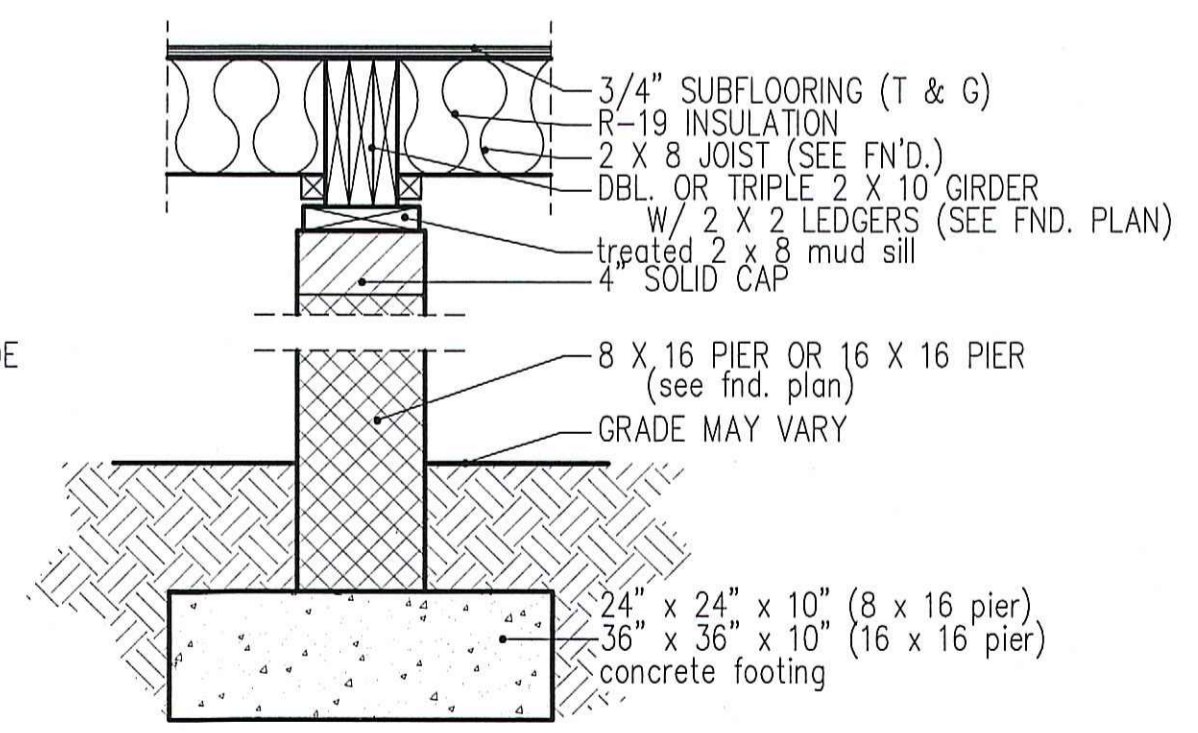
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.~R602.7 (1) AND INT.~R602.7 (2).



8" BOX SILL FOUNDATION WALL



PIER and CURTAIN FOUNDATION WALL



PIER and GIRDER DETAIL

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5/25
0/8