

COMPUTER FILED: FREEDOM FAMILY HOMES - BURLINGTON II - GREEN

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

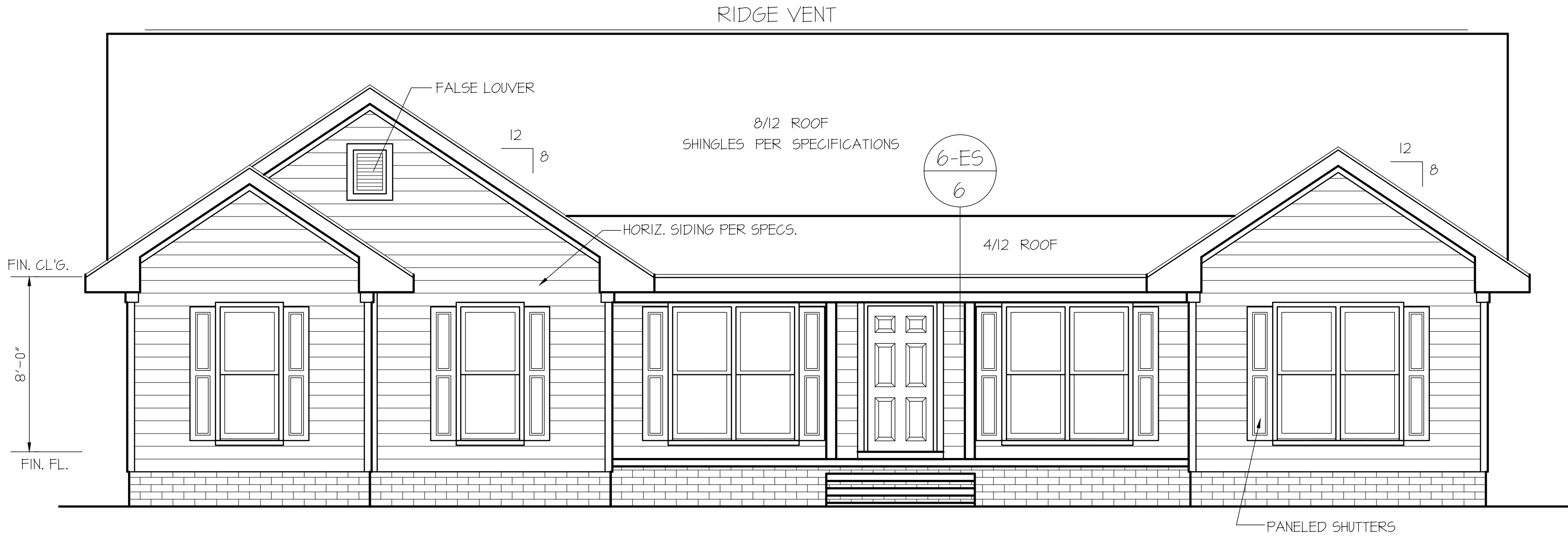
DATE:  
JAN. 8, 2025

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  
Mary Green & Edward Green  
BURLINGTON

SHEET NO.  
1



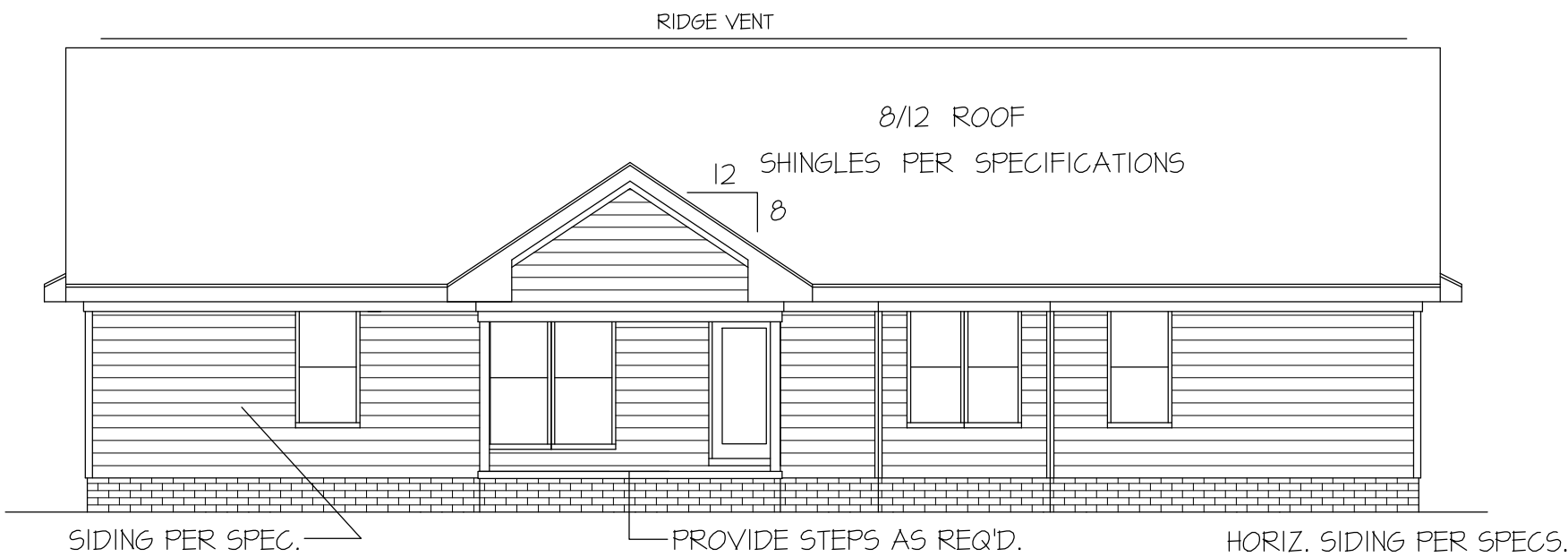
**FRONT ELEVATION**  
SCALE: 1/4" = 1'-0"



ROOF VENTILATION REQ'MTS.  
2421 ATTIC SQ. FT. / 300 = 8.07  
  
PROVIDED ON PLAN  
94 L.F. - RIDGE VENT = 17.62  
147 L.F. SOFFIT VENT = 9.18  
TOTAL = 26.8 S.F. FREE NET AREA

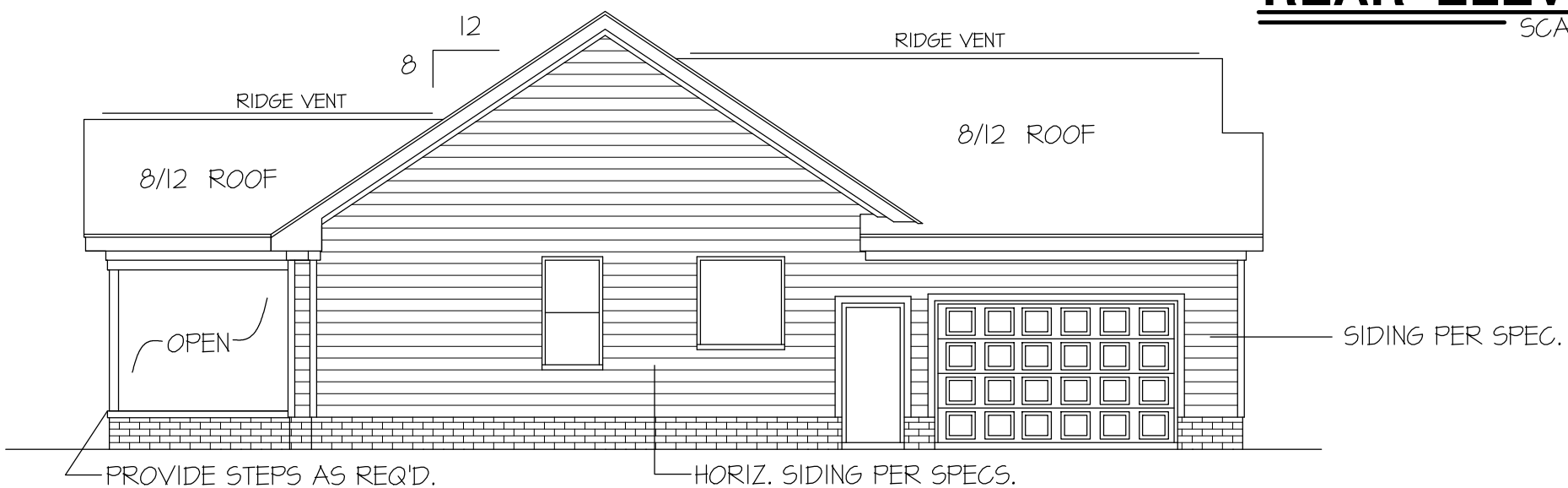
| INSULATION and FENESTRATION REQUIREMENTS                        |              |              |
|-----------------------------------------------------------------|--------------|--------------|
| CLIMATE ZONE                                                    | ZONE-3       | ZONE-4       |
| FENESTRATION 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-14         | R-14         |
| MIN. CRAWL SPACE WALL R-VALUE                                   | 5/13         | 10/15        |
| MIN. SLAB R-VALUE                                               | 0            | R-10         |
| PROVIDE STEPS AS REQUIRED<br>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.

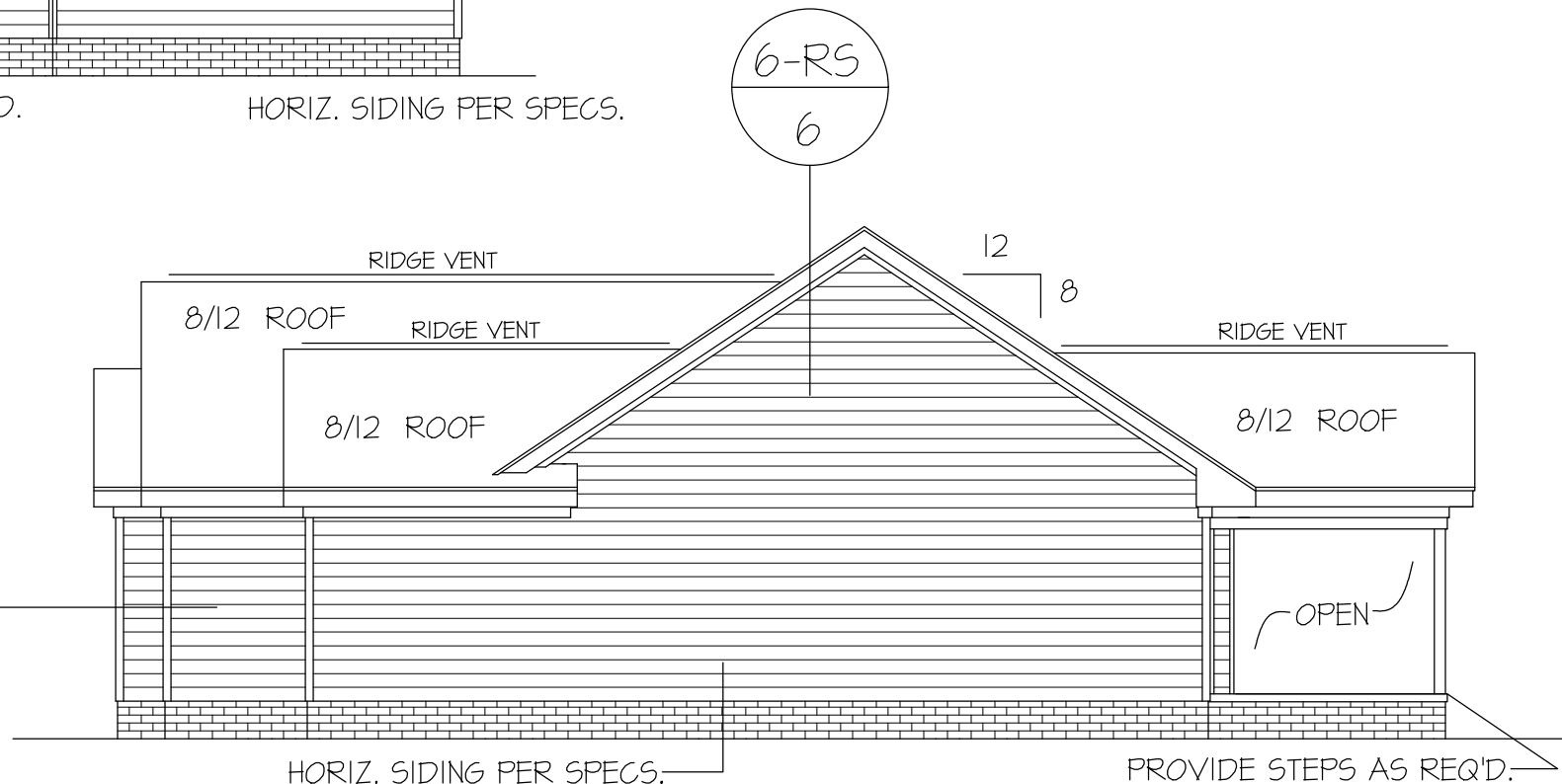


**REAR ELEVATION**  
SCALE: 1/8" = 1'-0"

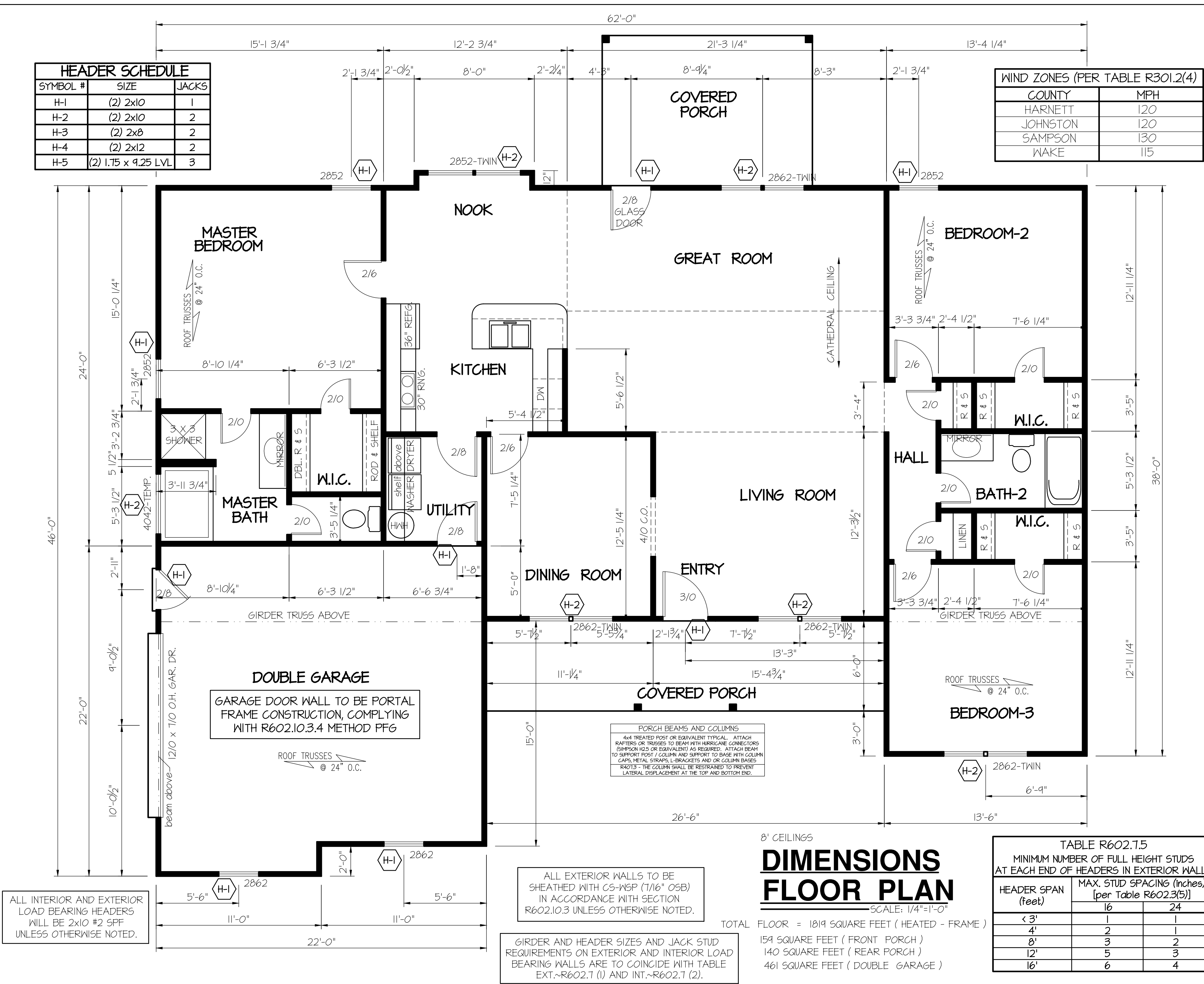
| WIND ZONES (PER TABLE R301.2(4)) |     |
|----------------------------------|-----|
| COUNTY                           | MPH |
| HARNETT                          | 120 |
| JOHNSTON                         | 120 |
| SAMPSON                          | 130 |
| WAKE                             | 115 |



**LEFT ELEVATION**  
SCALE: 1/8" = 1'-0"



**RIGHT ELEVATION**  
SCALE: 1/8" = 1'-0"



| 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     |

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

PORCH BEAMS AND COLUMNS  
4x4 TREATED POST OR EQUIVALENT TYPICAL. ATTACH  
RAPTERS OR TRUSSES TO BEAM WITH HURRICANE CONNECTORS  
(SIMPSON H25 OR EQUIVALENT) AS REQUIRED. ATTACH BEAM  
TO SUPPORT POST / COLUMN AND SUPPORT TO BASE WITH COLUMN  
CAPS, METAL STRAPS, L-BRACKETS AND OR COLUMN BASES  
R401.3 - THE COLUMN SHALL BE RESTRAINED TO PREVENT  
LATERAL DISPLACEMENT AT THE TOP AND BOTTOM END.

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

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' CEILINGS

## DIMENSIONS FLOOR PLAN

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

TOTAL FLOOR = 1819 SQUARE FEET ( HEATED - FRAME )

159 SQUARE FEET ( FRONT PORCH )  
140 SQUARE FEET ( REAR PORCH )  
461 SQUARE FEET ( DOUBLE GARAGE )

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

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BURLINGTON

PLAN:

SHEET NO.

2

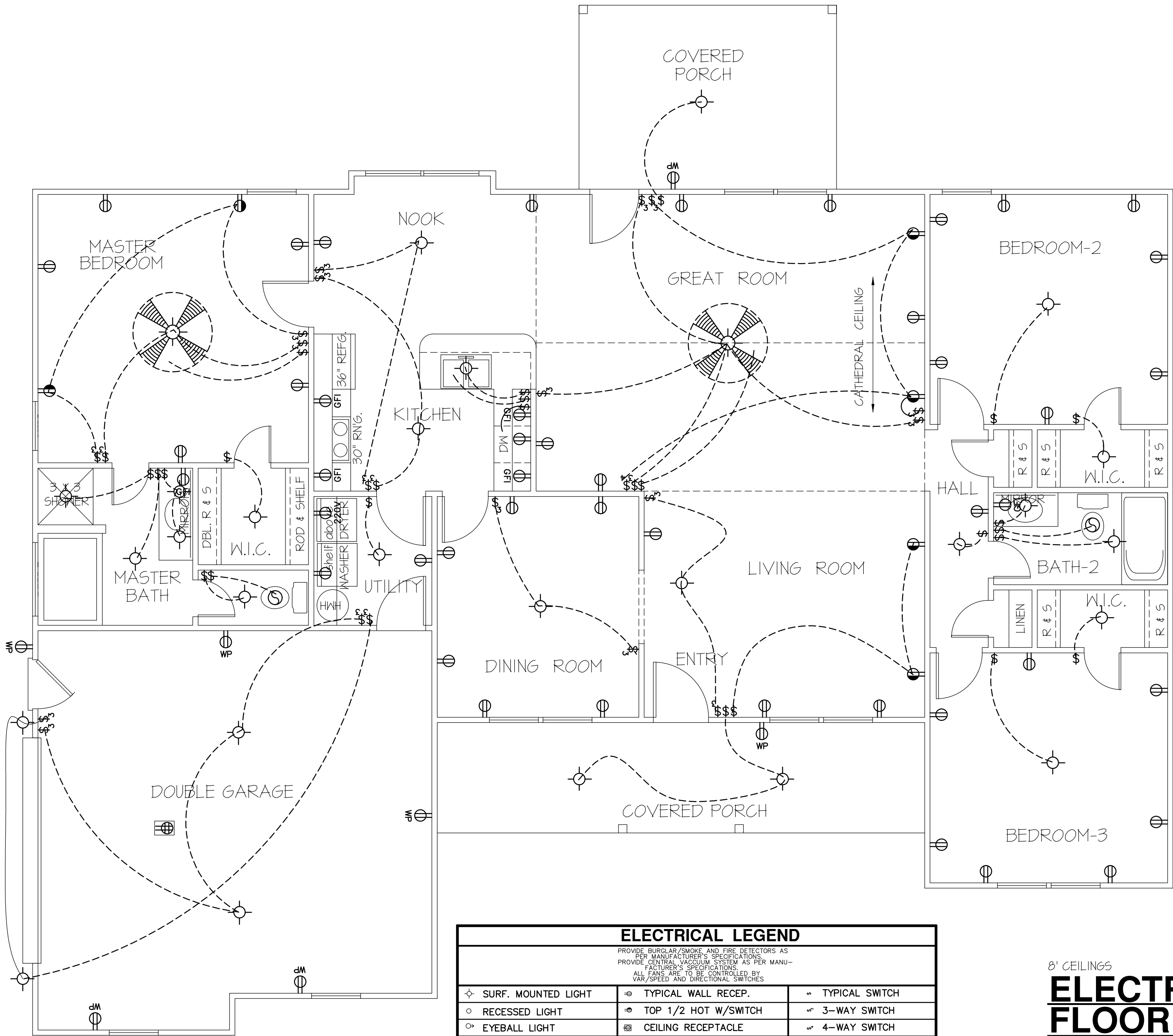
3

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

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

REQUIRED VENTS ARE TO BE PLACED SO AS TO PROVIDE CROSS-VENTILATION OF THE CRAWL SPACE.

USE 2 X 6 MUD SILL W/ SGL. 2X8 BANDS ON 8" WALLS.  
PROVIDE ANCHOR BOLTS PER NC STATE CODE  
USE DOUBLE 2X10 GIRDERS W/ 2X2 LEDGERS  
USE 2X8 JOISTS AT 16" AND 12" 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. WALLS.



| ELECTRICAL LEGEND                                                                                                                                                                                                            |                        |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------|
| PROVIDE BURGLAR/SMOKE AND FIRE DETECTORS AS PER MANUFACTURER'S SPECIFICATIONS.<br>PROVIDE CENTRAL VACUUM SYSTEM AS PER MANUFACTURER'S SPECIFICATIONS.<br>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' CEILINGS

**ELECTRICAL FLOOR PLAN**

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

TOTAL FLOOR = 1819 SQUARE FEET ( HEATED - FRAME )

159 SQUARE FEET ( FRONT PORCH )

140 SQUARE FEET ( REAR PORCH )

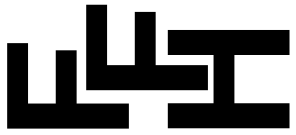
461 SQUARE FEET ( DOUBLE GARAGE )

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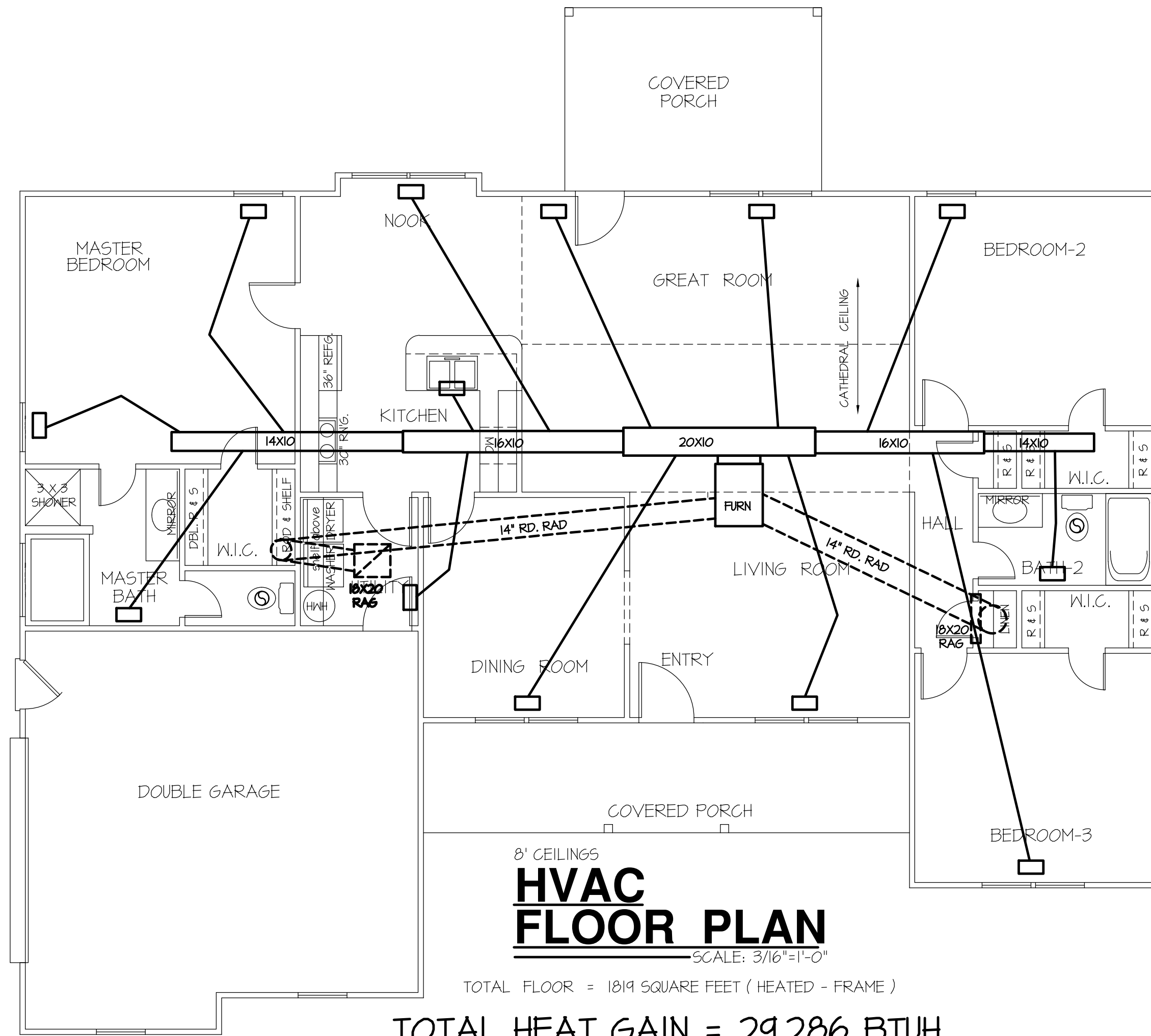


EXCLUSIVE PLAN FOR  
**FREEDOM FAMILY HOMES**  
**Mary Green & Edward Green**  
**BURLINGTON**

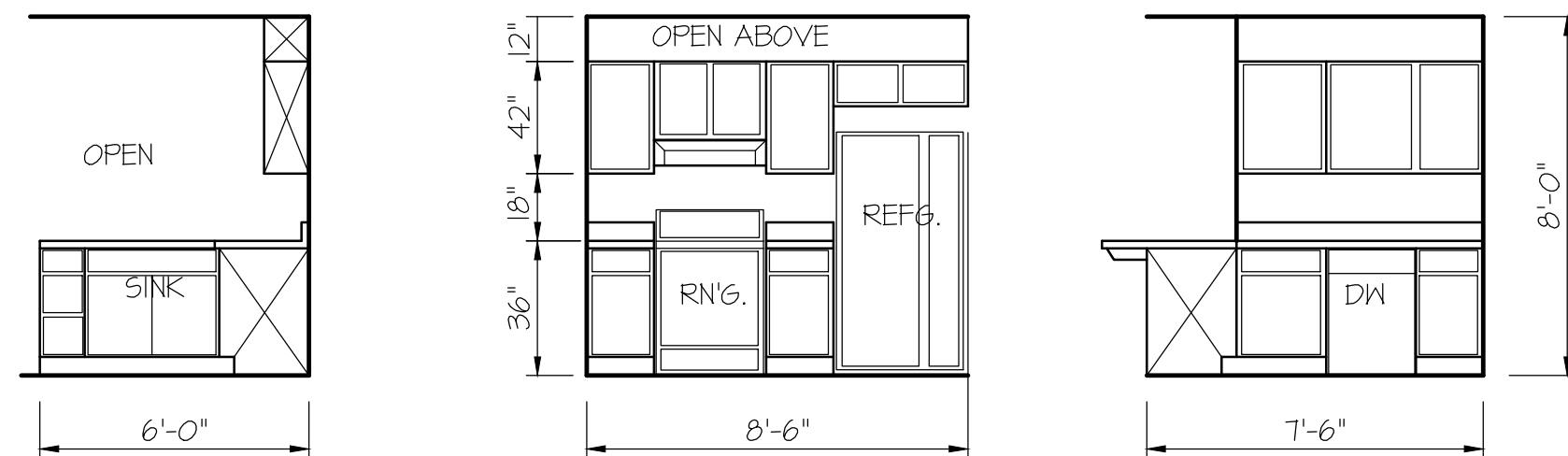
PLAN:

SHEET NO.

**4**



TOTAL HEAT GAIN = 29,286 BTUH  
TOTAL HEAT LOSS = 46,293 BTUH



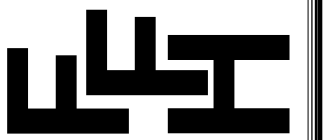
**KITCHEN CABINET ELEVATIONS**  
SCALE: 1/4"=1'-0"

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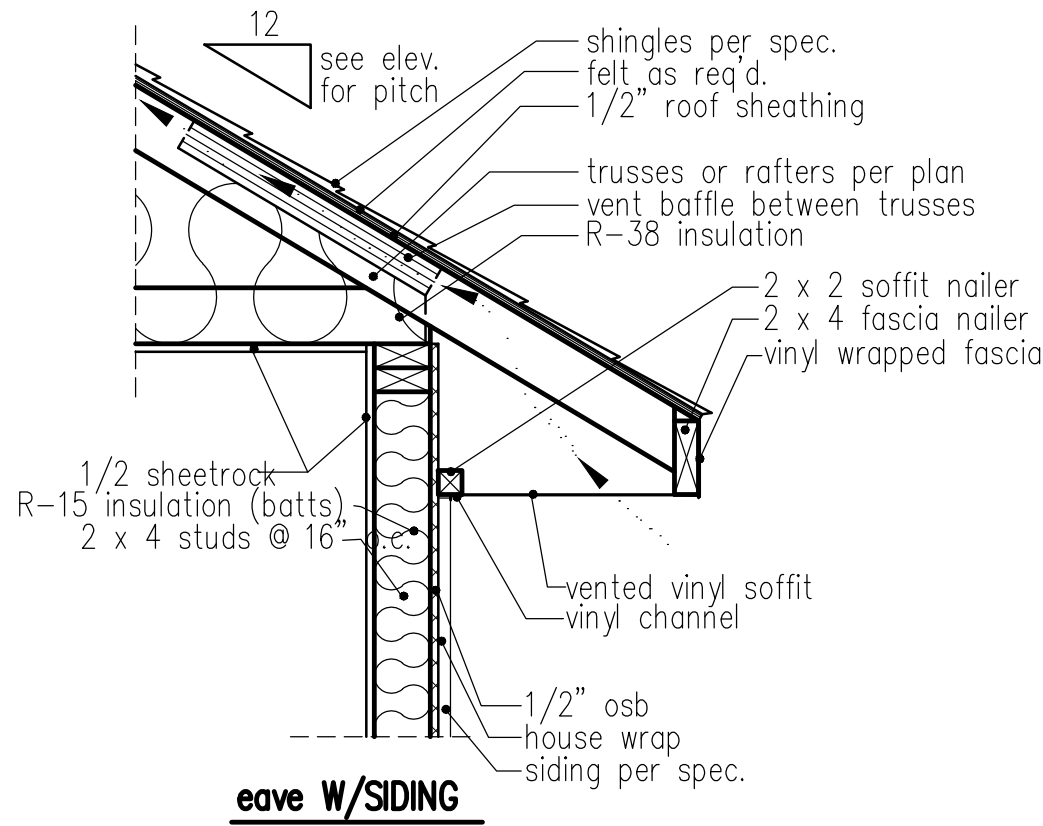


PLAN:  
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SHEET NO.

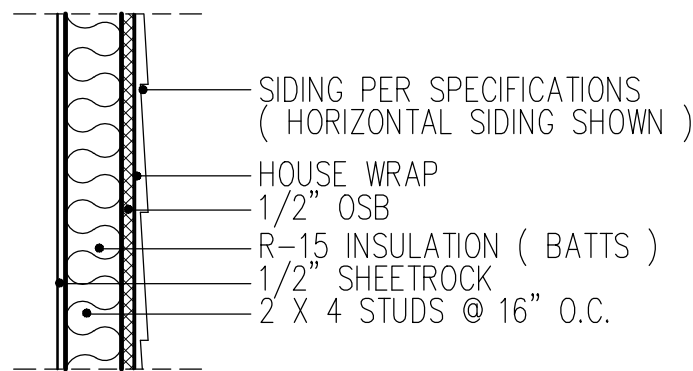
**5**

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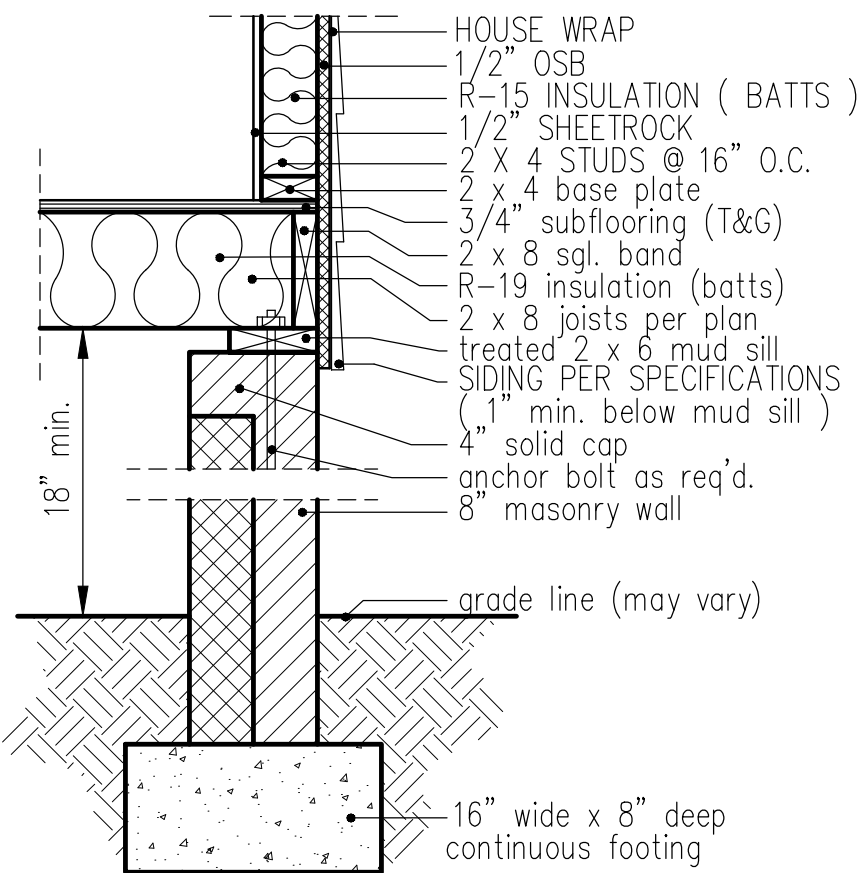
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

## standard eave details

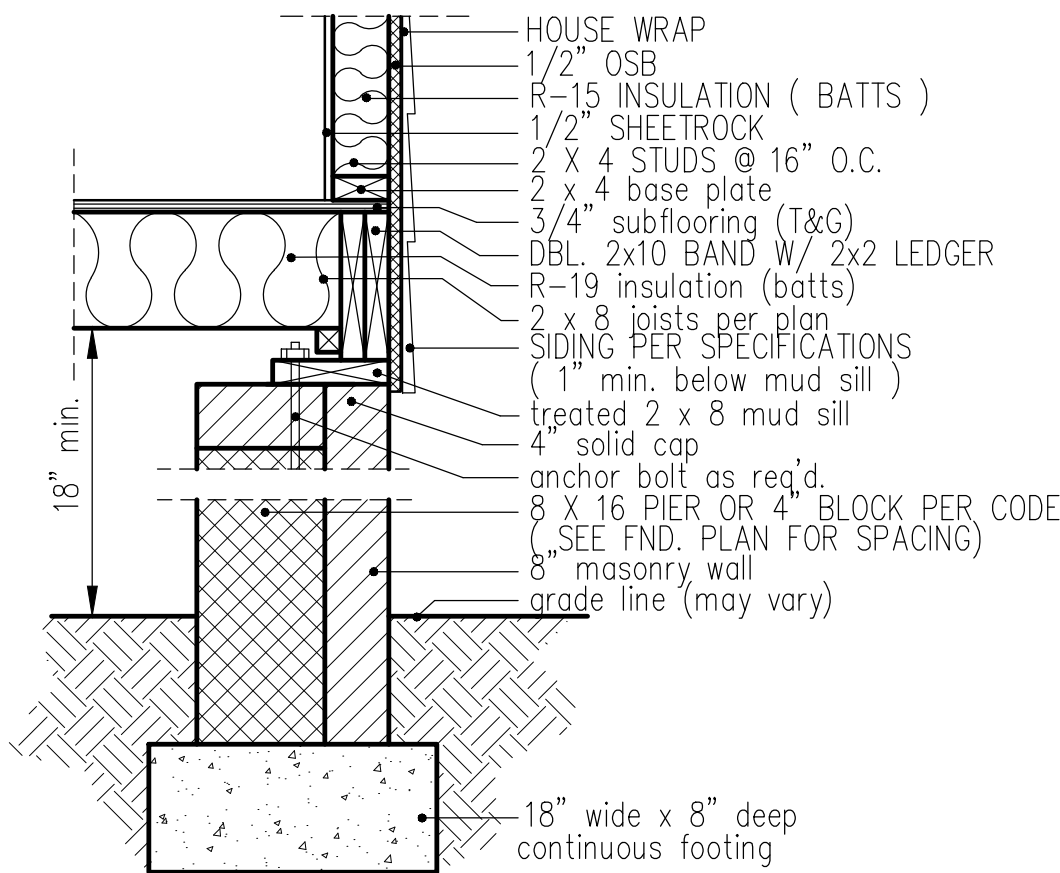


## WALL W/siding

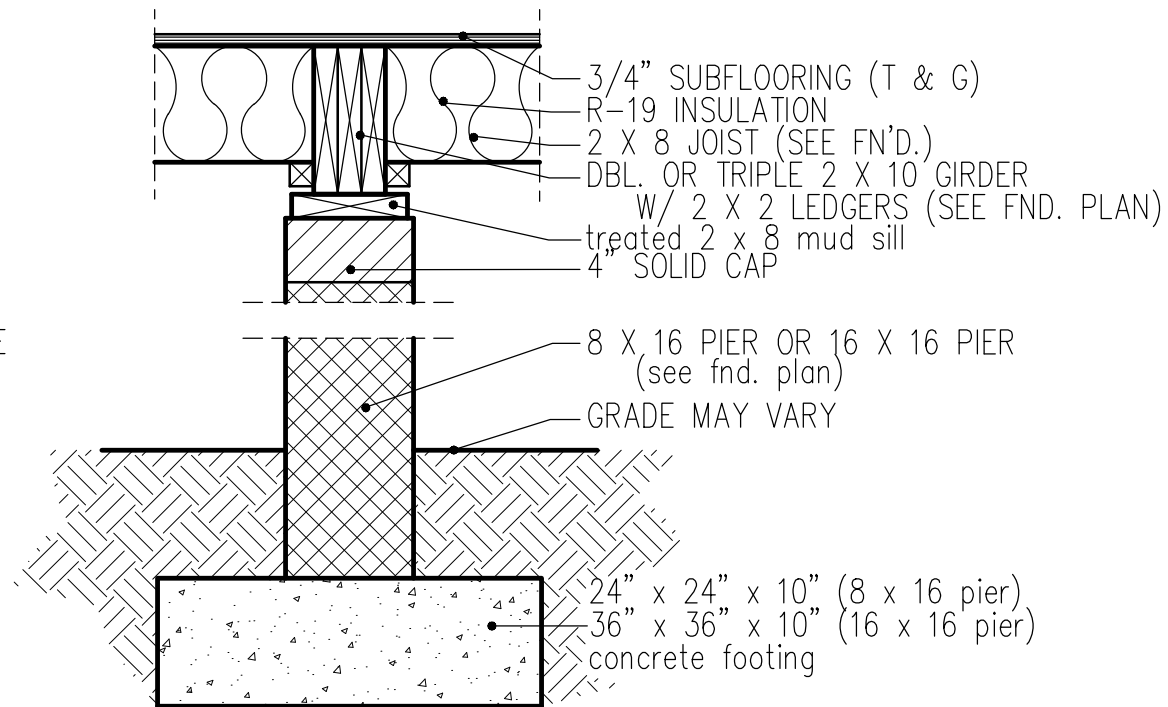
## intermediate wall details



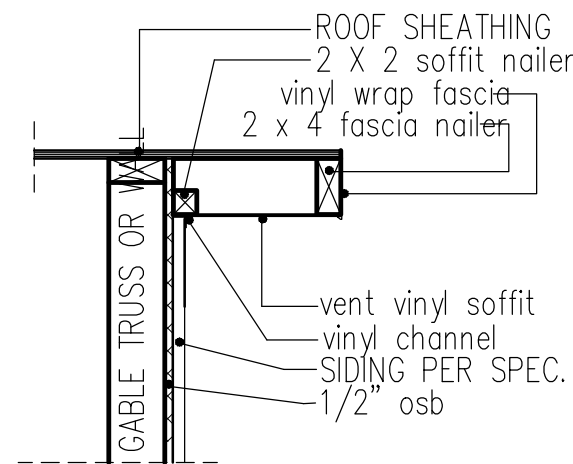
## 8" BOX SILL FOUNDATION WALL



## PIER and CURTAIN FOUNDATION WALL



## PIER and GIRDER DETAIL



## RAKE w/SIDING

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

| TABLE R602.7.5<br>MINIMUM NUMBER OF FULL HEIGHT STUDS<br>AT EACH END OF HEADERS IN EXTERIOR WALLS |                                                     |    |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------|----|
| HEADER SPAN<br>(feet)                                                                             | MAX. STUD SPACING (inches)<br>[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).

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PLAN:

SHEET NO.

6

Freedom Constructors  
Job #28455  
Green  
Burlington Plan

