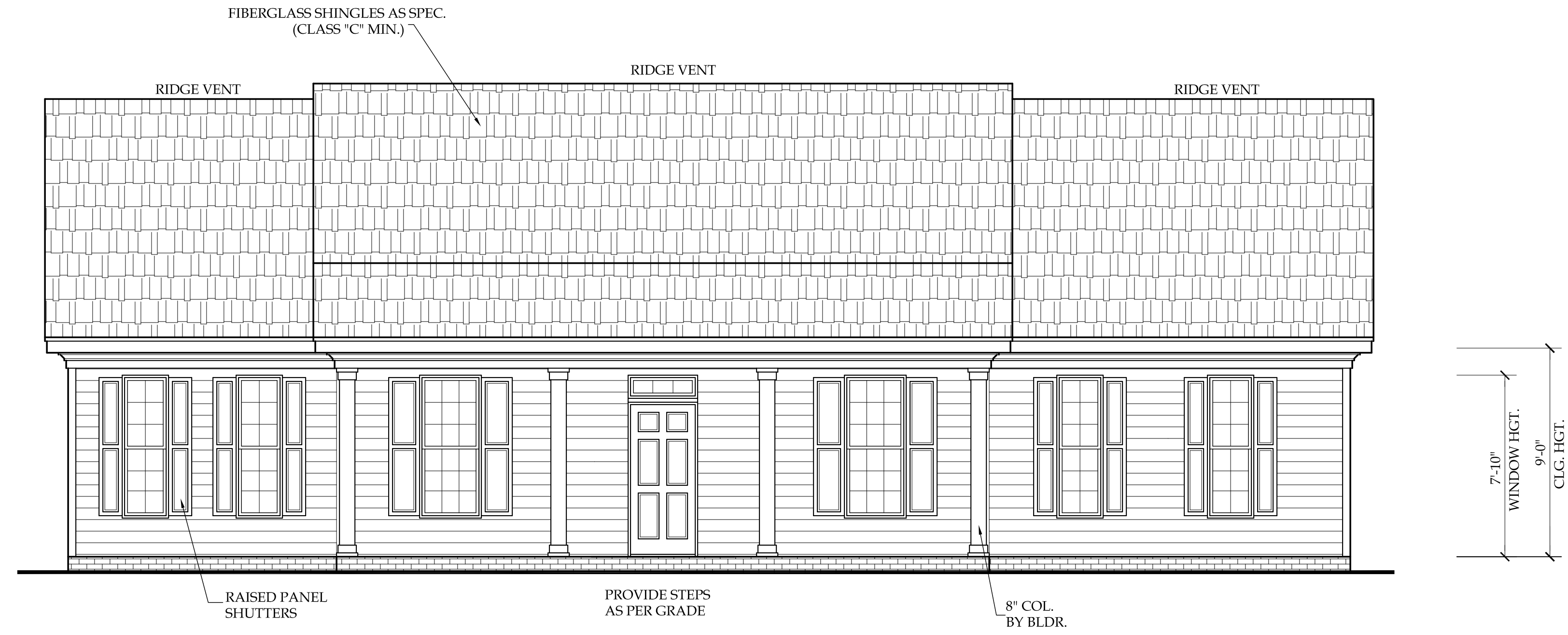


THIS PLAN HAS BEEN DRAWN TO CONFORM TO THE 2018 NORTH CAROLINA RESIDENTIAL CODE

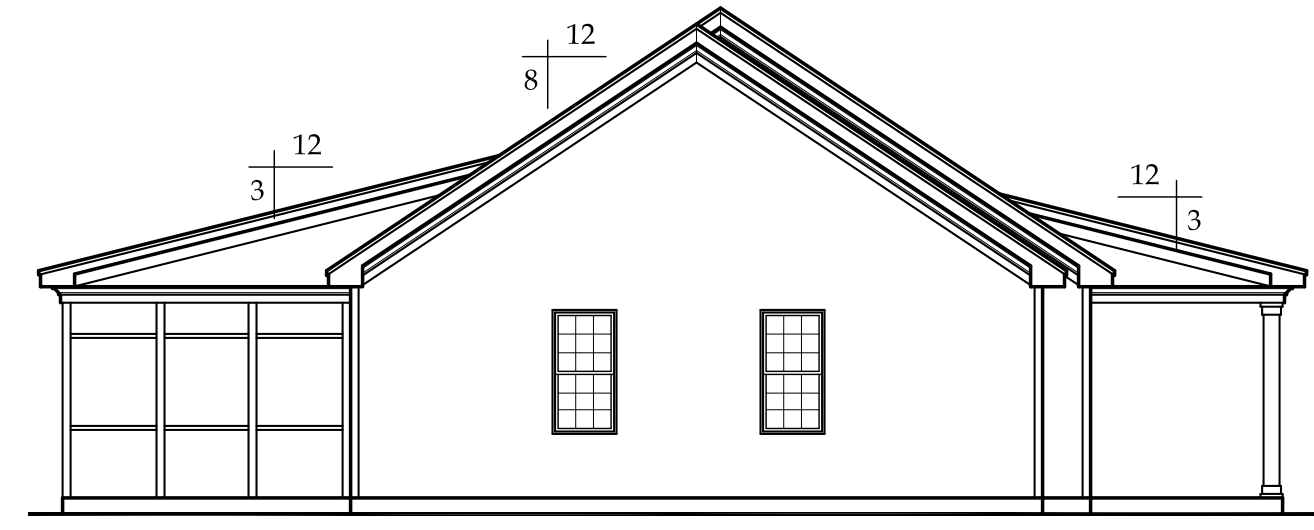
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BEGGING WORK. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL STATE AND LOCAL BUILDING CODES AND ORDINANCES. KADS CUSTOM HOME DESIGNS ASSUMES NO LIABILITY FOR SITE CONDITIONS, CONSTRUCTION METHODS OR ANY DEVIATION OF THESE PLANS.

NOTE:
ALL WINDOWS TO BE INSTALLED MUST MEET A MAXIMUM OF .32 U VALUE OR BETTER, UNLESS ENERGY CALCULATIONS ARE SUBMITTED WITH PLANS PROVIDED BY BUILDER AT TIME OF PLAN REVIEW.

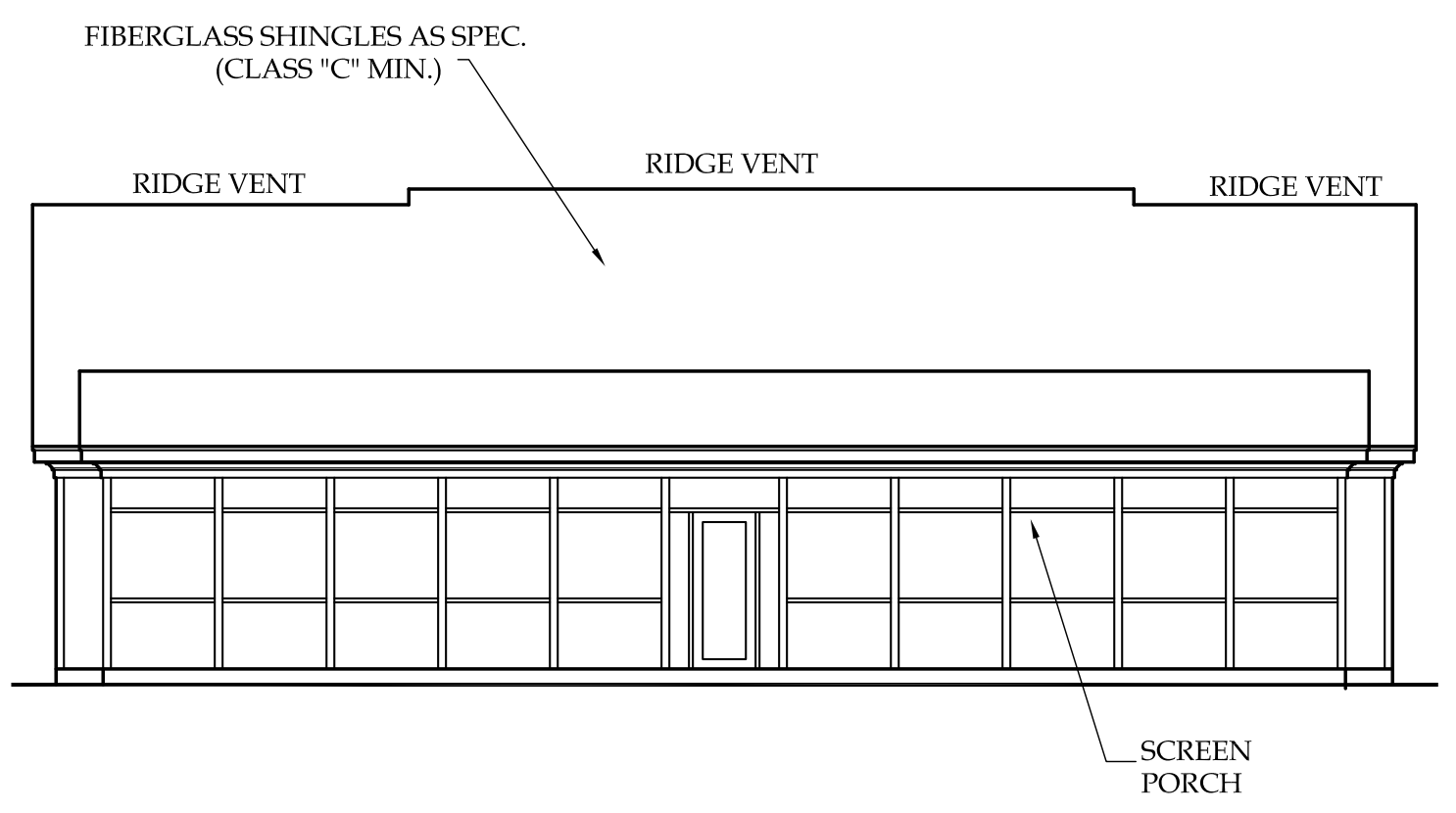
NOTICE TO CONTRACTOR
All construction shall comply with current NC Building Codes and all other applicable codes and regulations.
APPROVED
04/25/2023
HARNETT COUNTY
NORTH CAROLINA



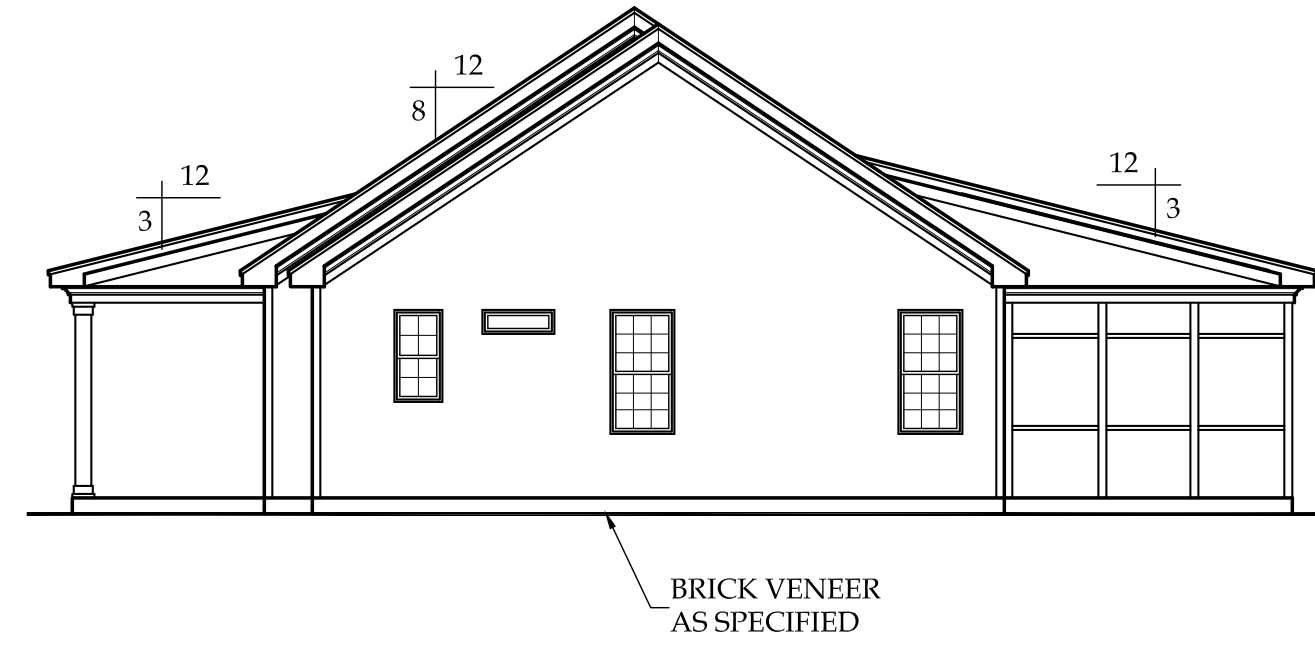
FRONT ELEVATION
SCALE: 1/4"=1'-0"



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

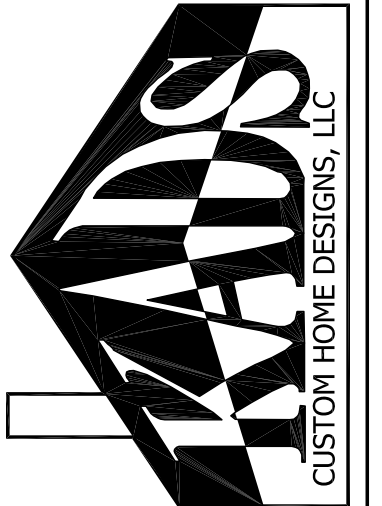


REAR ELEVATION
SCALE: 1/8"=1'-0"



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

HEATH RESIDENCE



ANGIER, NC
919-369-7181

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D.W.O.

DATE:
1/5/23

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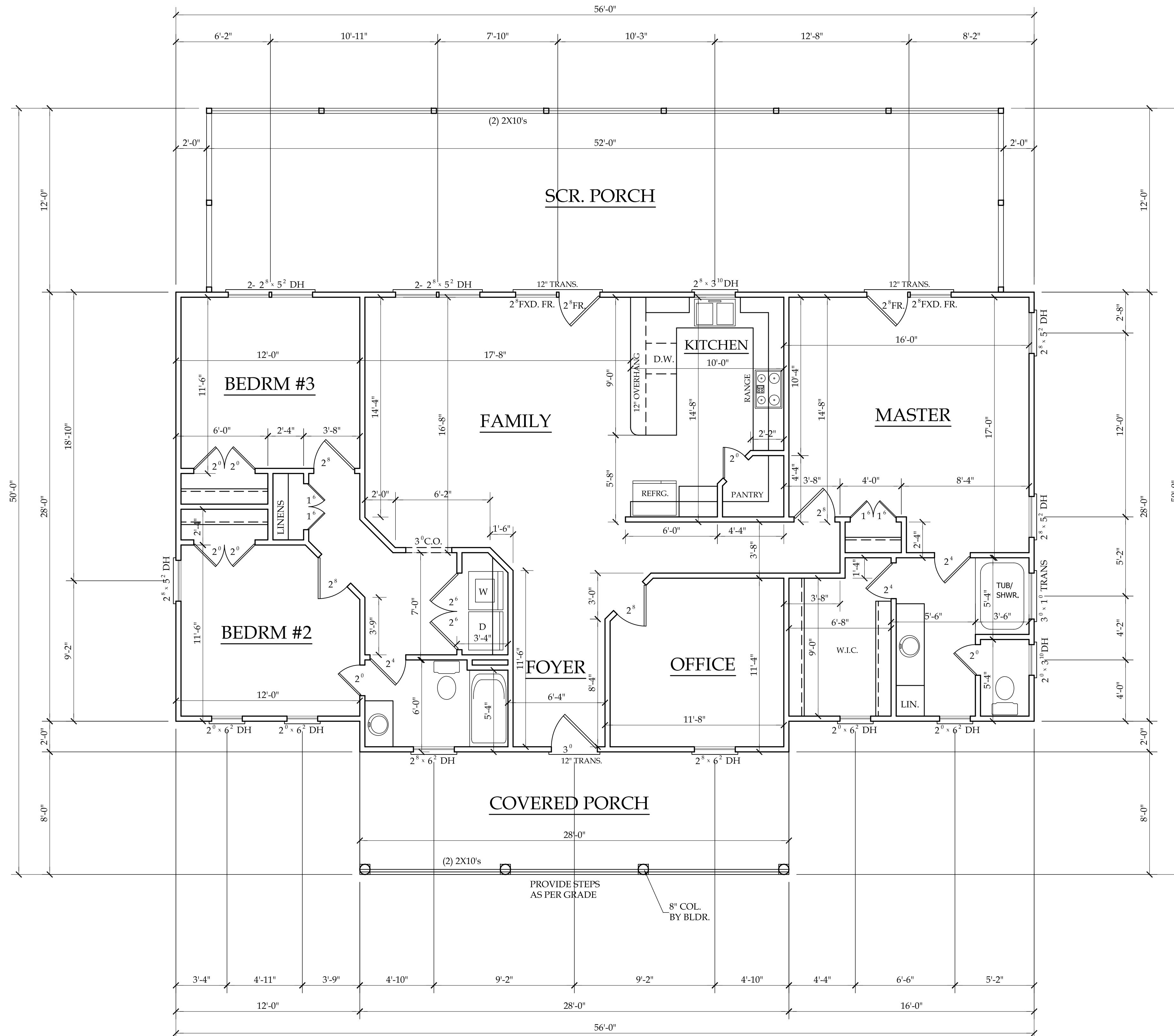
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DK1624

STRUCTURAL NOTES

1) ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF NORTH CAROLINA STATE 2018 RESIDENTIAL BUILDING CODE, IN ADDITION TO ALL LOCAL CODES AND REGULATIONS.
 2) DESIGN LOADS:

| | LIVE LOAD (PSF) | DEAD LOAD (PSF) | DEFLECTION (DL & LL) |
|--------------------------|----------------------------------|-----------------|----------------------|
| ALL FLOORS | 40 | 10 | L/360 |
| ATTIC (full down access) | 20 | 10 | L/240 |
| ATTIC (no access) | 10 | 5 | L/240 |
| EXTERNAL BALCONY | 60 | 10 | L/360 |
| ROOF | 20 | 10 | L/180 |
| ROOF TRUSS | 20 | 20 | L/240 |
| WIND LOAD | BASED ON 120 MPH (3-second gust) | | |

3) MINIMUM ALLOWABLE SOIL BEARING PRESSURE = 200 PSF
 4) CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF FIVE INCHES UNLESS NOTED OTHERWISE (N/A)
 5) MAXIMUM DEPTH OF UNBALANCED FILL AGAINST FOUNDATION WALLS TO BE LESS THAN 4" WITHOUT USING SUFFICIENT WALL BRACING. REFER TO SECTION 404 OF 2012 NC BUILDING CODE FOR BACKFILL LIMITATIONS BASED ON WALL HEIGHT, WALL THICKNESS, SOIL TYPE, AND UNBALANCED BACKFILL HEIGHT
 6) ALL FRAMING LUMBER EXPOSED TO THE ELEMENTS SHALL BE TREATED MATERIAL
 7) ALL LOAD BEARING HEADERS SHALL BE (2x10) UNCL. ALL WINDOW AND DOOR HEADERS SHALL BE SUPPORTED BY (1) BACK STUD AND (1) LONG STUD AT EACH END UNLESS NOTED. ALL OTHER BEAMS SHALL BE SUPPORTED BY 2 STUDS OR THE AMOUNT OF STUDS REQUIRED FOR FULL BEARING. AT EACH END UNLESS NOTED. POINT LOADS (STIFF KNEES, ETC.) SHALL CONSIST OF 2 STUDS UNLESS NOTED. ALL SUPPORTS OF 2 STUDS OR MORE SHALL BE TRANSFERRED THROUGH EACH FLOOR TO THE FOUNDATION.
 8) ALL EXTERIOR WALLS TO BE SHEATHED WITH MIN. 7/16" WOOD STRUCTURAL PANELS FASTENED WITH #0 NAILS @ 6" O.C. AT EDGES AND 12" O.C. AT INT. SUPPORTS. BLOCKING SHALL BE INSTALLED IF LESS THAN 90 PERCENT OF THE WALL LENGTH IS SHEATHED. WHERE BLOCKING IS REQ'D, ALL PANELS SHALL BE FASTENED AT 7" O.C. AT EDGES AND 6" O.C. AT INT. SUPPORTS
 9) ALL STRUCTURAL STEEL SHALL ASTM A-36. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" INCHES AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMETER AND 4" LONG). LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOISTS ARE TOE NAILED TO THE SOLE PLATES, AND THE SOLE PLATES ARE NAILED OR BOLTED TO THE BEAM FLANGES @ 48" O.C.
 10) ANCHOR BOLT PLACEMENT PER SECTION 405.1.6. 1/2" DIAMETER ANCHOR BOLTS SPACED AT 6'-0" O.C. AND PLACED 12" FROM THE END OF EACH PLATE SECTION
 11) FOUNDATION DRAINAGE DAMP PROOFING OR WATERPROOFING PER SECTION 405 AND 406 OF 2012 NC BUILDING CODE
 12) WALL AND ROOF CLADDING VALUES
 WALL CLADDING SHALL BE DESIGNED FOR A 24.1 SQ. FT. OR GREATER POSITIVE AND NEGATIVE PRESSURE
 ROOF VALUES BOTH POSITIVE AND NEGATIVE SHALL BE AS FOLLOWS:
 45.1 LBS./SQ. FT. FOR ROOF PITCHES OF 1/12 TO 2/12
 54.8 LBS./SQ. FT. FOR ROOF PITCHES OF 2.25/12 TO 7/12
 21.0 LBS./SQ. FT. FOR ROOF PITCHES OF 7/12 TO 12/12
 ** MEAN ROOF HEIGHT 3' OR LESS
 13) FOR ROOF SLOPES FROM 2/12 THROUGH 4/12, BUILDER TO INSTALL 2 LAYERS OF 15# FELT PAPER
 14) IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND SQ. FTG. ARE CORRECT PRIOR TO CONSTRUCTION. DESIGNER IS NOT RESPONSIBLE FOR DIMENSIONING OR SQ. FTG. ERRORS ONCE CONSTRUCTION BEGINS

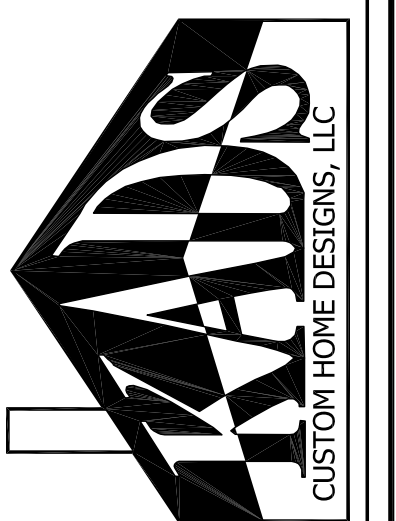


| | | |
|----------|--------------------------|--------|
| HEATED | FIRST FLOOR HTD. SQ. FT. | = 1624 |
| UNHEATED | FRONT PORCH SQ. FT. | = 224 |
| | SCREEN PORCH SQ. FT. | = 634 |

FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"
 9'-0" CLG. HGT.
 SET WINDOWS AT 7'-10" A.F.F.

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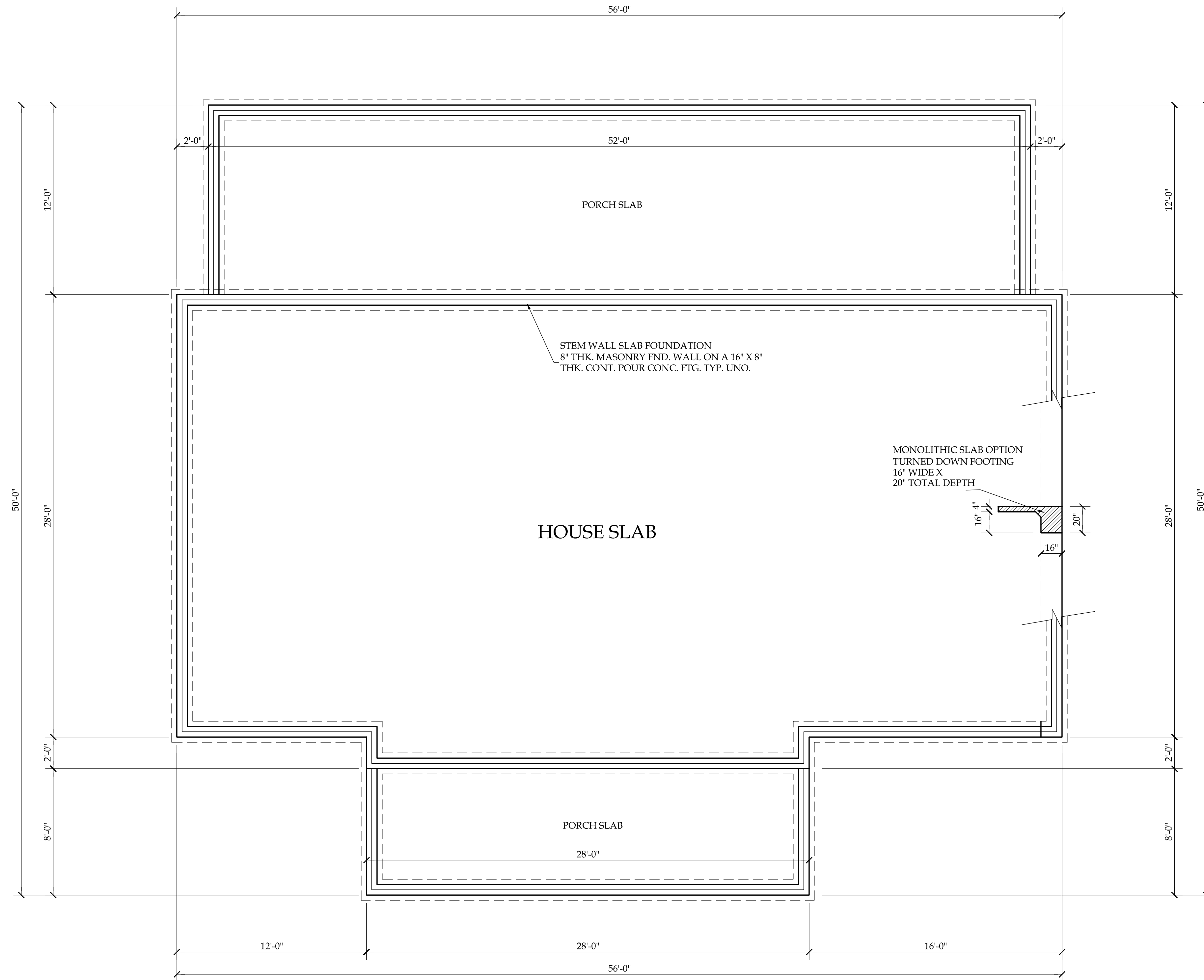
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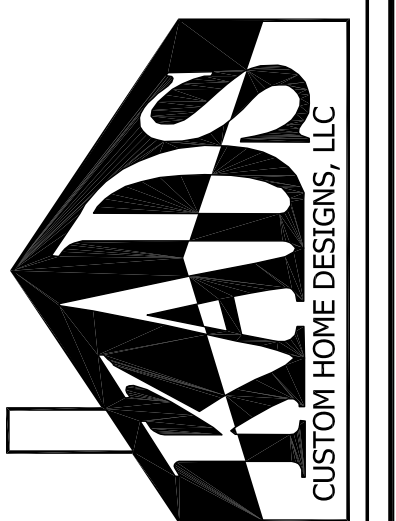
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FOUNDATION PLAN
SCALE: 1/4"=1'-0"

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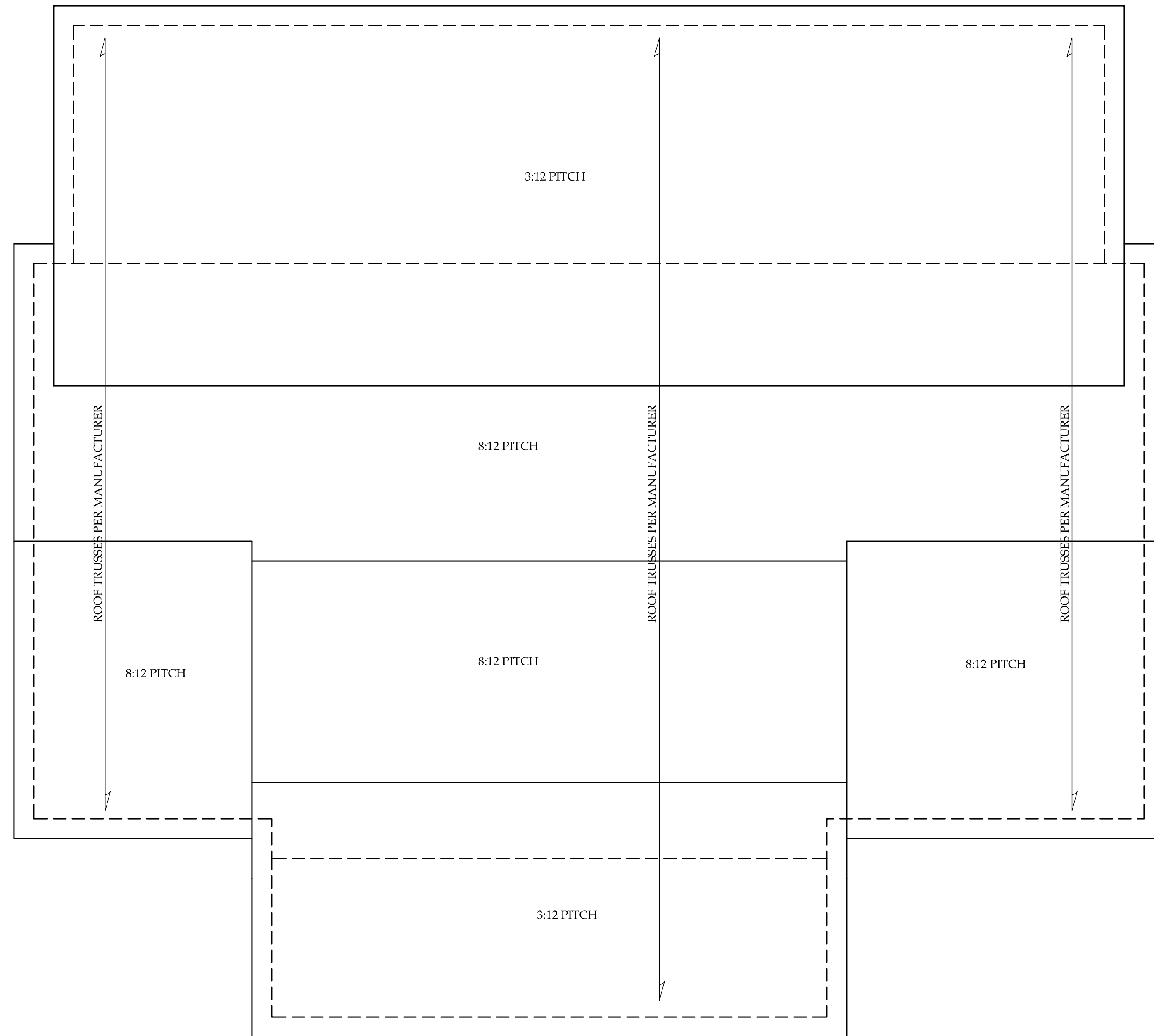
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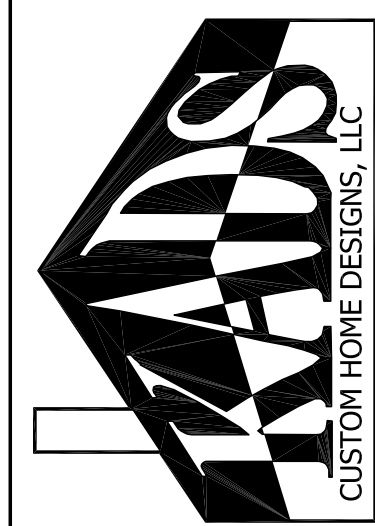
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ROOF PLAN
SCALE: 1/4"=1'-0"



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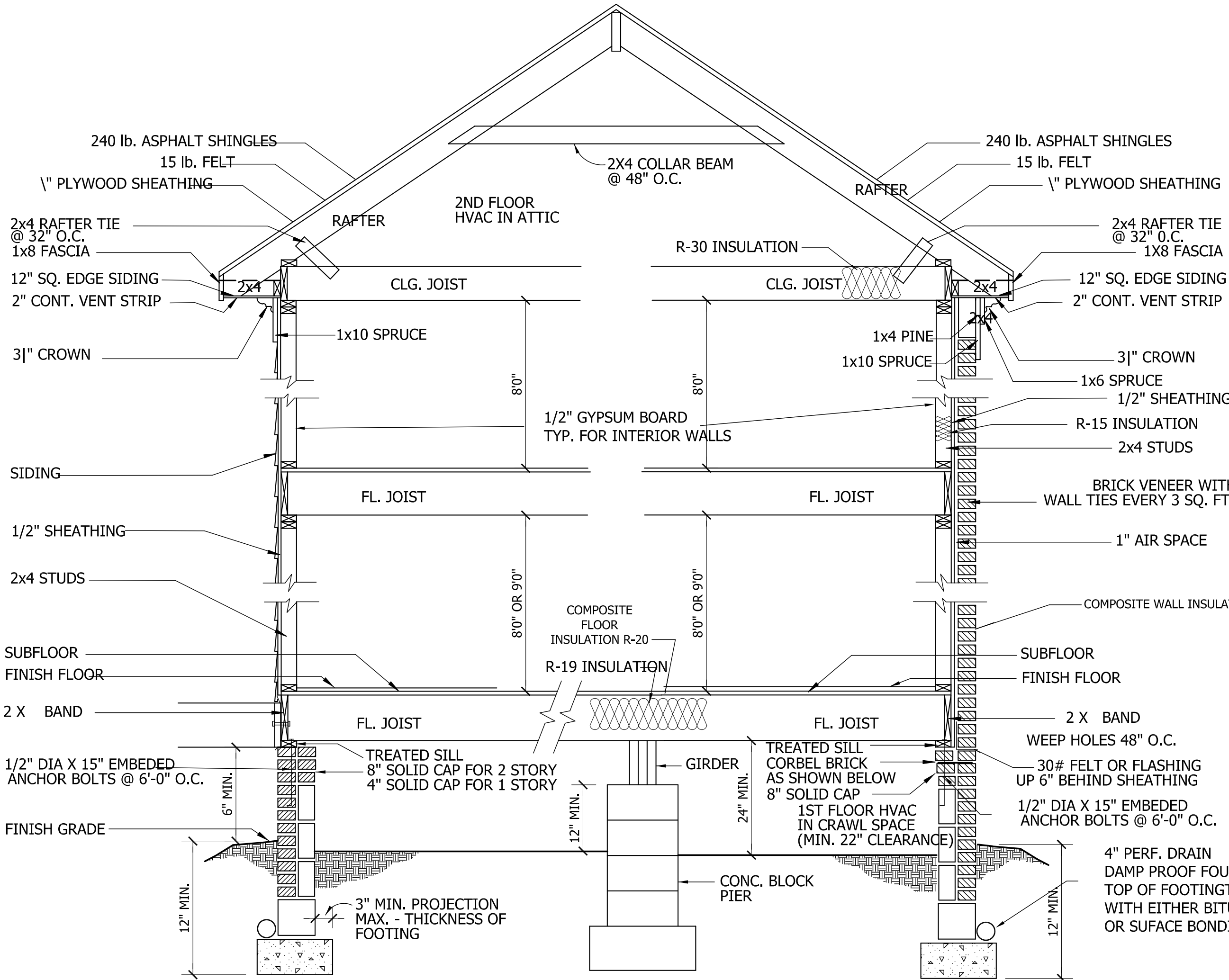
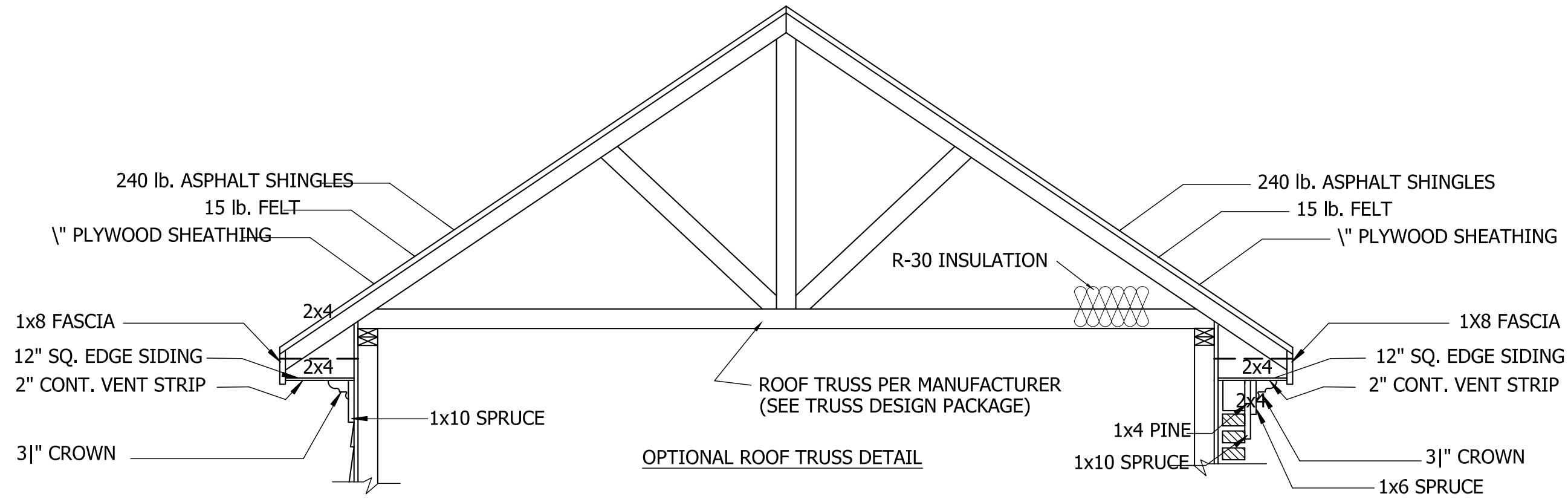
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HEATH RESIDENCE

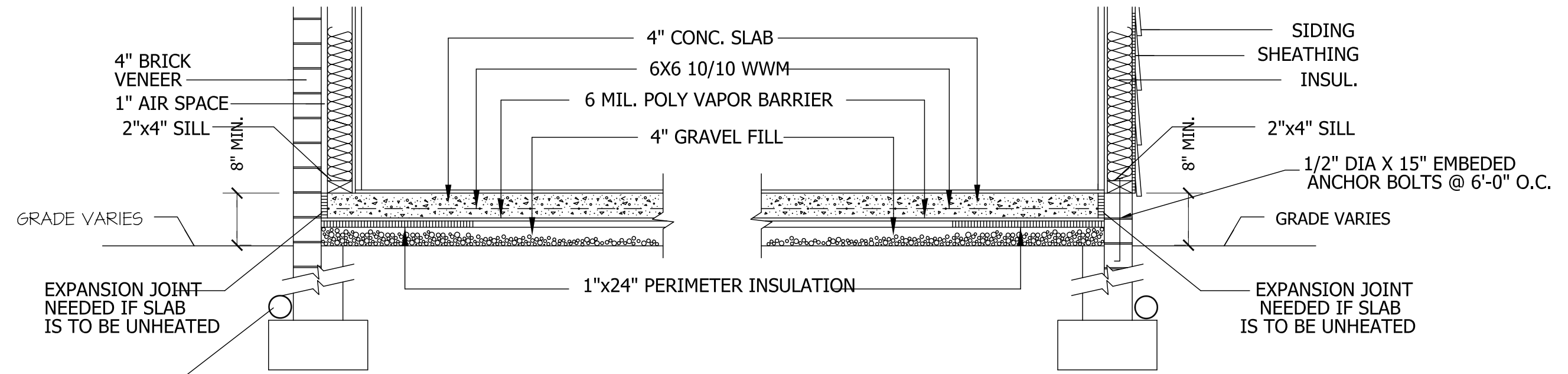


SIDING SECTION

BRICK SECTION

WALL SECTION

SCALE: 1" = 1'-0"



BRICK VENEER

SIDING

SLAB FDN. DETAIL

SCALE: 1" = 1'-0"

ROOF VENTILATING REQUIREMENTS

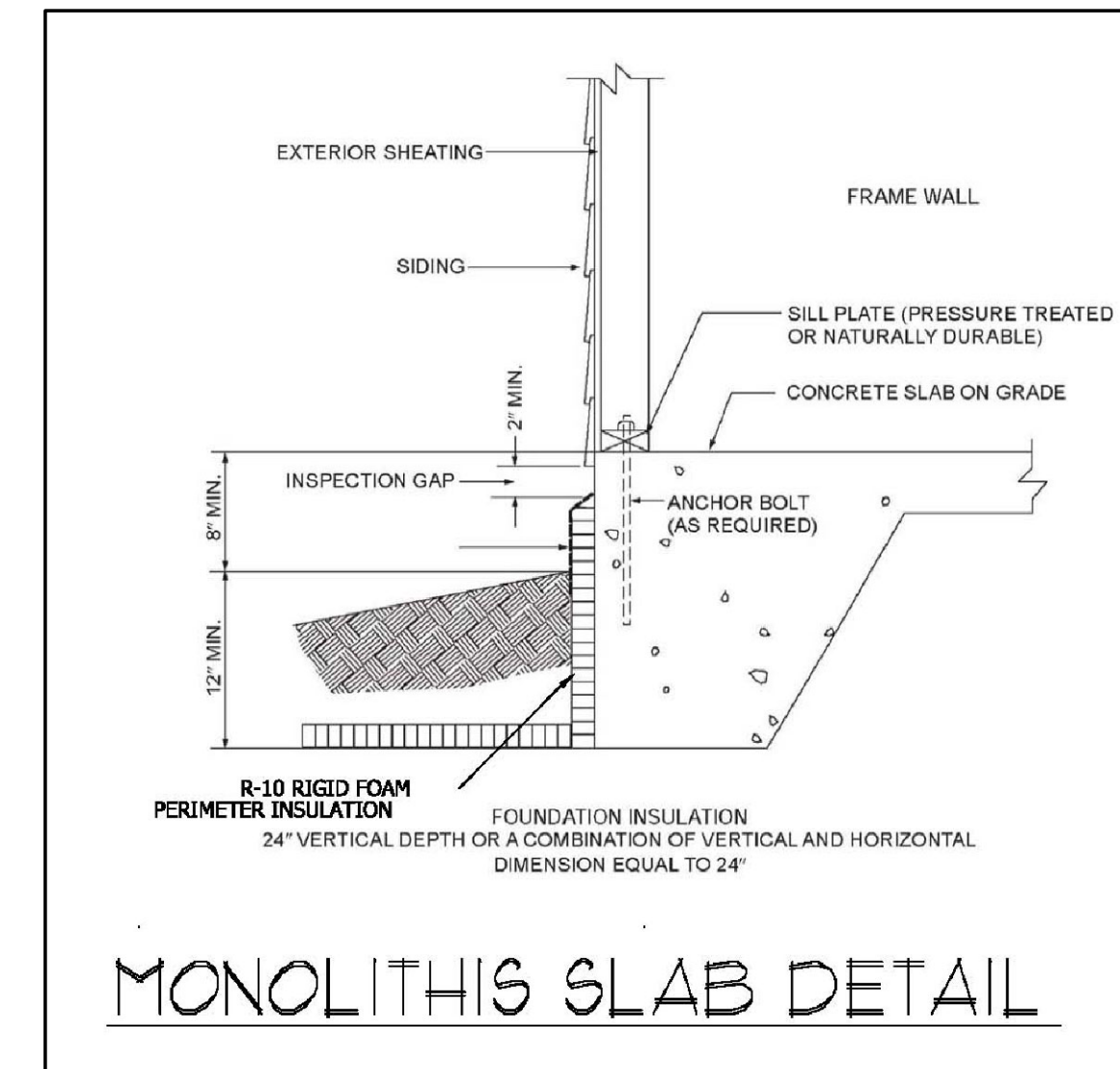
$$\frac{2561}{150} = 17.07 \text{ SQ. FT. REQ'D}$$

ROOF VENTILATING REQUIREMENTS

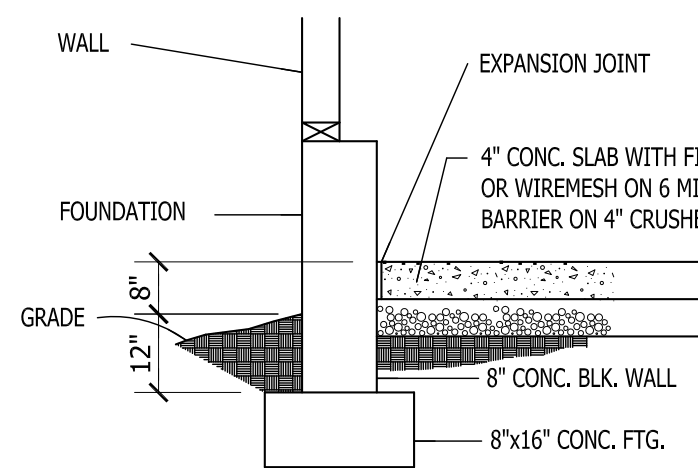
(POWER ROOF VENTILATOR REQUIRED)

$$\frac{2561}{300} = 8.54 \text{ SQ. FT. REQ'D}$$

BUILDER TO PROVIDE APPROPRIATE VENTILATING AS REQUIRED.

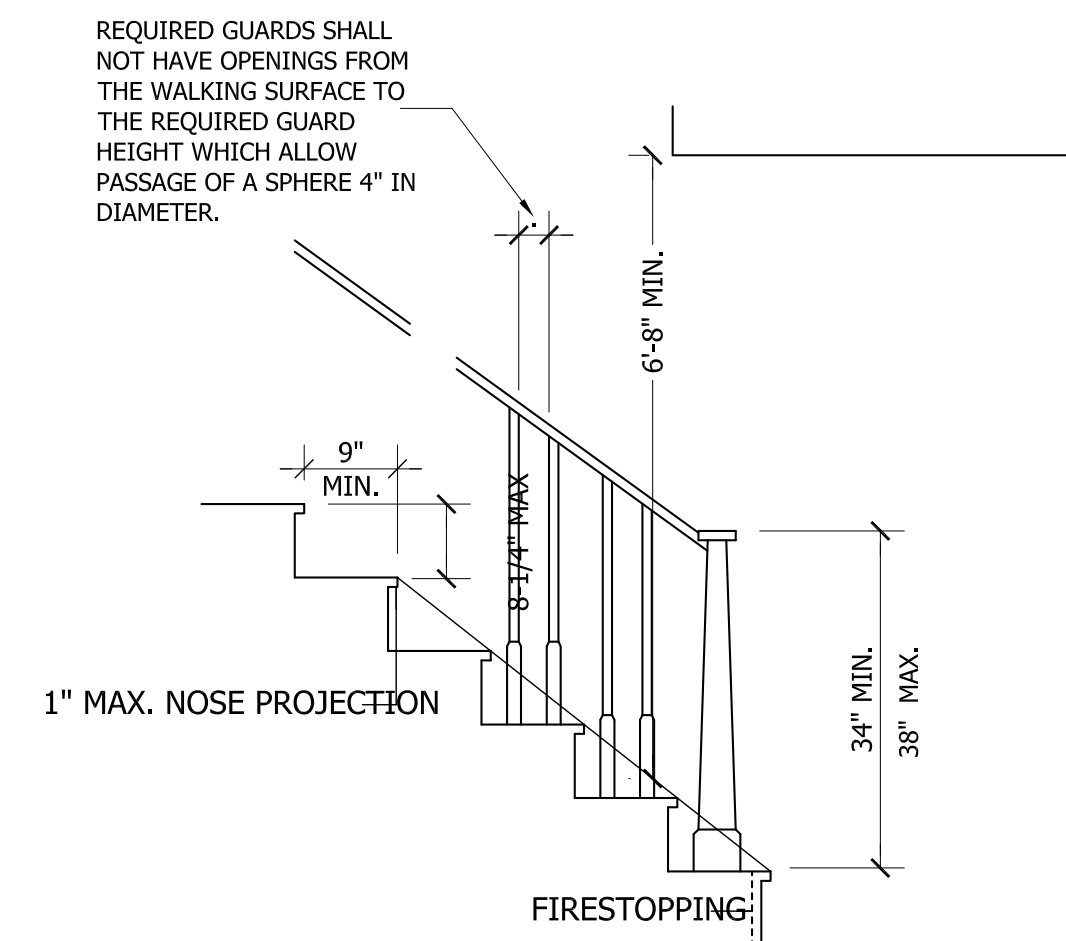


MONOLITHIC SLAB DETAIL



GARAGE SLAB

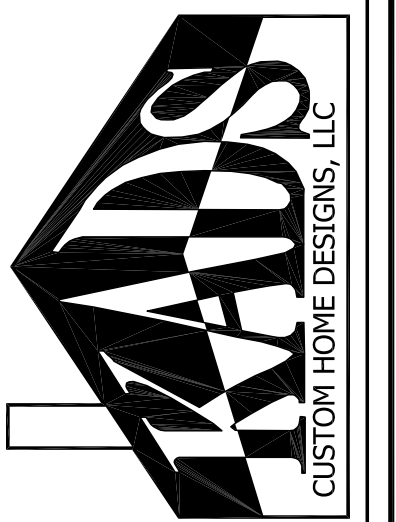
SCALE: NTS



NOTE:
Stairways shall not be less than 36 inches in clear width at all points above the permitted handrail height and below the required headroom height. Handrails shall not project more than 4.5 inches on either side of the stairway and the minimum clear width of the stairway at and below the handrail height, including treads and landings, shall not be less than 31-1/2 inches where a handrail is installed on one side and 27 inches where handrails are provided on both sides

STAIR DETAIL

SCALE: NTS



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PLAN NO.
DK1624



ROOF & FLOOR TRUSSES & BEAMS

Reilly Road Industrial Park
 Fayetteville, N.C. 28309
 Phone: (910) 864-8787
 Fax: (910) 864-4444

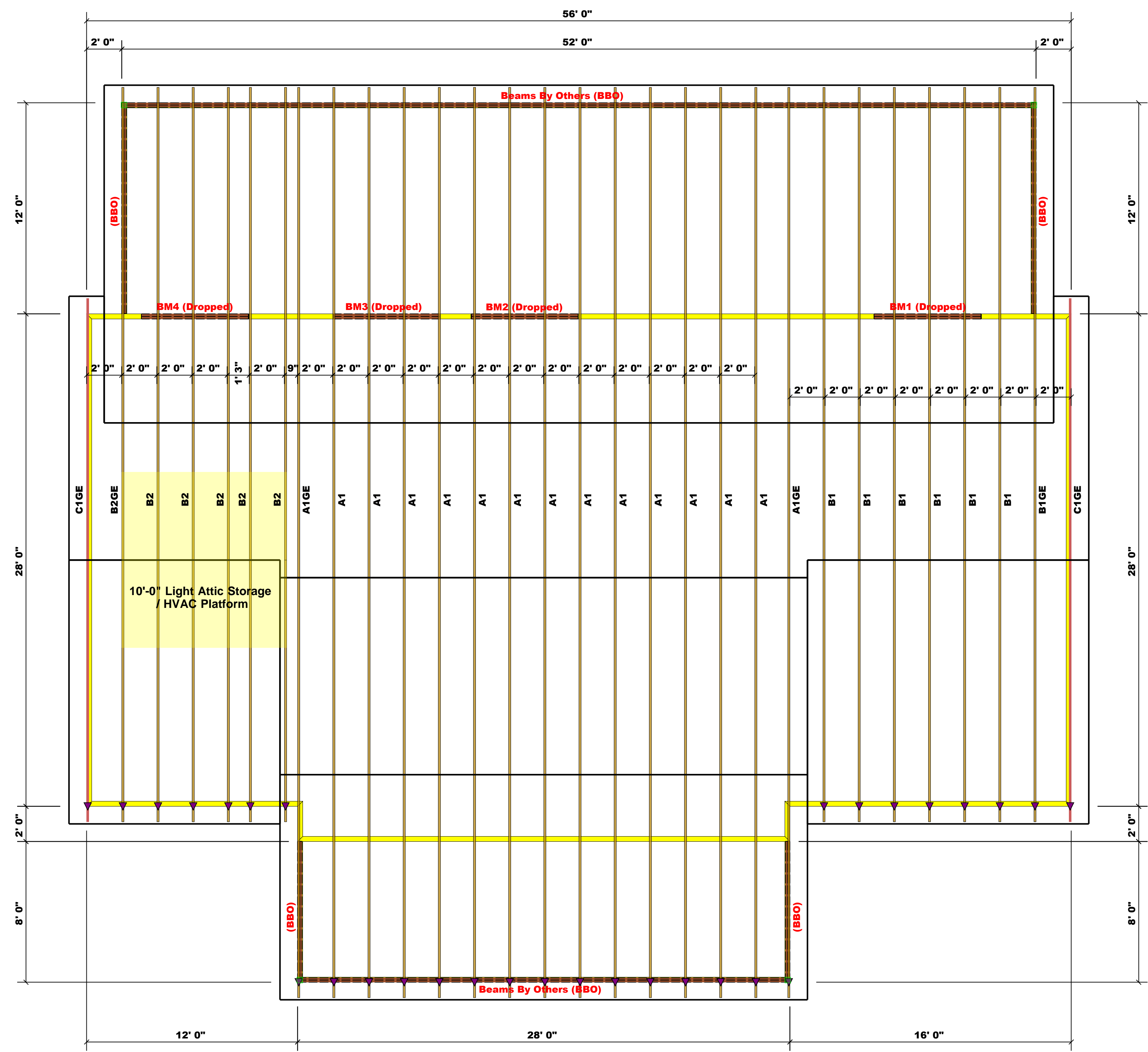
Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signature Christine Shivy
 Christine Shivy

LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (b))
 NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

| END REACTION (UP TO) | REQ. STUDS FOR (1) 1" X 4" HEADER | END REACTION (UP TO) | REQ. STUDS FOR (1) 1" X 4" HEADER | END REACTION (UP TO) | REQ. STUDS FOR (1) 1" X 4" HEADER |
|----------------------|-----------------------------------|----------------------|-----------------------------------|----------------------|-----------------------------------|
| 1700 | 1 | 2550 | 1 | 3400 | 1 |
| 3400 | 2 | 5100 | 2 | 6800 | 2 |
| 5100 | 3 | 7650 | 3 | 10200 | 3 |
| 6800 | 4 | 10200 | 4 | 13600 | 4 |
| 8500 | 5 | 12750 | 5 | 17000 | 5 |
| 10200 | 6 | 15300 | 6 | | |
| 11900 | 7 | | | | |
| 13600 | 8 | | | | |
| 15300 | 9 | | | | |



▲ = Denotes Left End of Truss
 (Reference Engineered Truss Drawing)

| PlotID | Length | Product | Plies | Net Qty |
|---------------|---------|----------------------------|-------|---------|
| BM1 (Dropped) | 7-00-00 | 1-3/4"x 9-1/4" LVL Kerto-S | 2 | 2 |
| BM2 (Dropped) | 7-00-00 | 1-3/4"x 9-1/4" LVL Kerto-S | 2 | 2 |
| BM3 (Dropped) | 7-00-00 | 1-3/4"x 9-1/4" LVL Kerto-S | 2 | 2 |
| BM4 (Dropped) | 7-00-00 | 1-3/4"x 9-1/4" LVL Kerto-S | 2 | 2 |

Truss Placement Plan
SCALE: 1/4" = 1'-0"

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.

○ -- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

| BUILDER | JOB NAME | PLAN | SEAL DATE | QUOTE # | JOB # |
|---------------------------------------|-----------------|-------|-----------|-----------------|--------------|
| Guy C. Lee Bldg. Materials of Clayton | Heath Residence | Plan | Seal Date | Quote # | J0223-0507 |
| Angier / Johnston | Site Address | Model | / / | Christine Shivy | Lenny Norris |
| CITY / CO. | ADDRESS | MODEL | DATE REV. | DRAWN BY | SALES REP. |

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the truss delivery package or online @ sbcindustry.com