

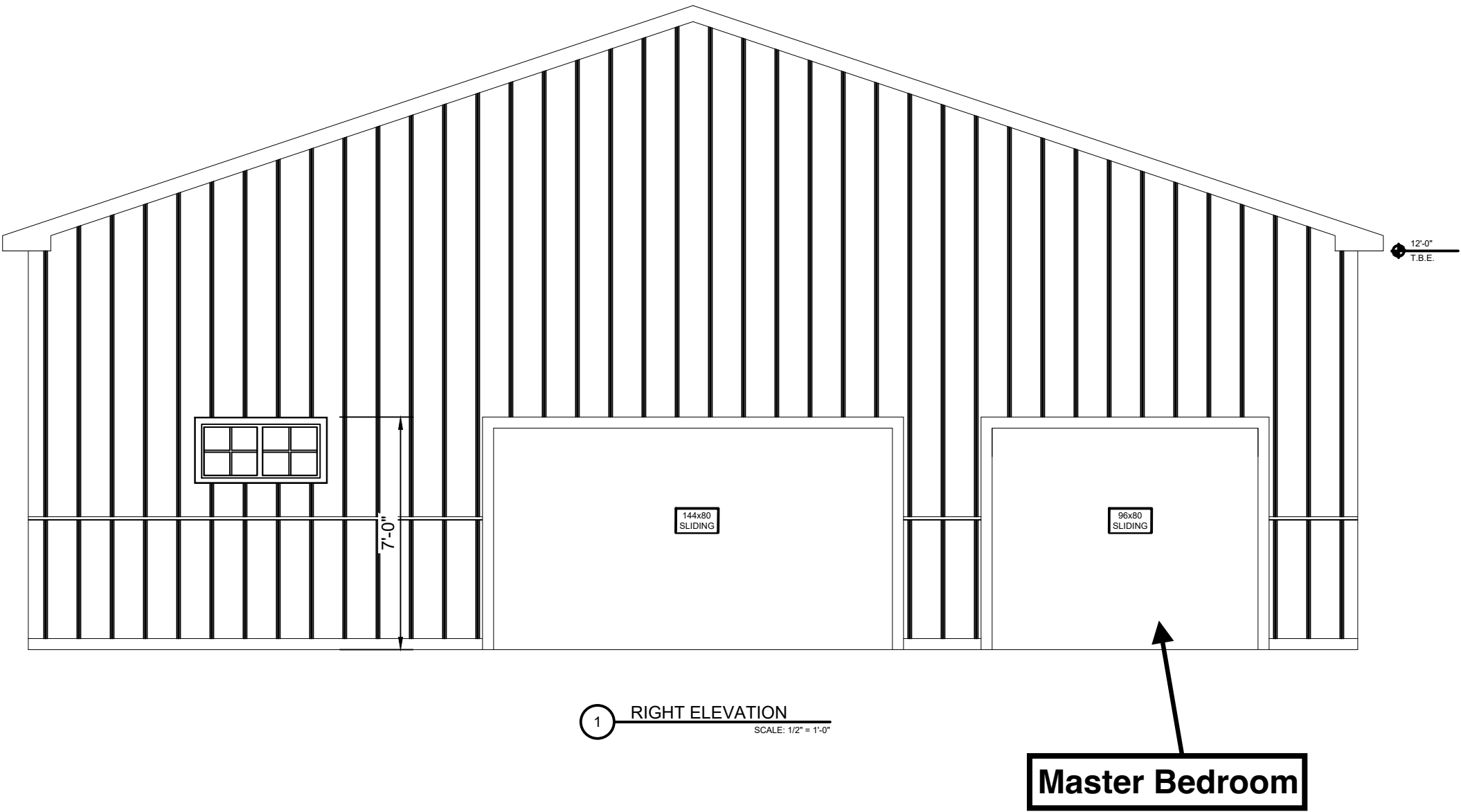
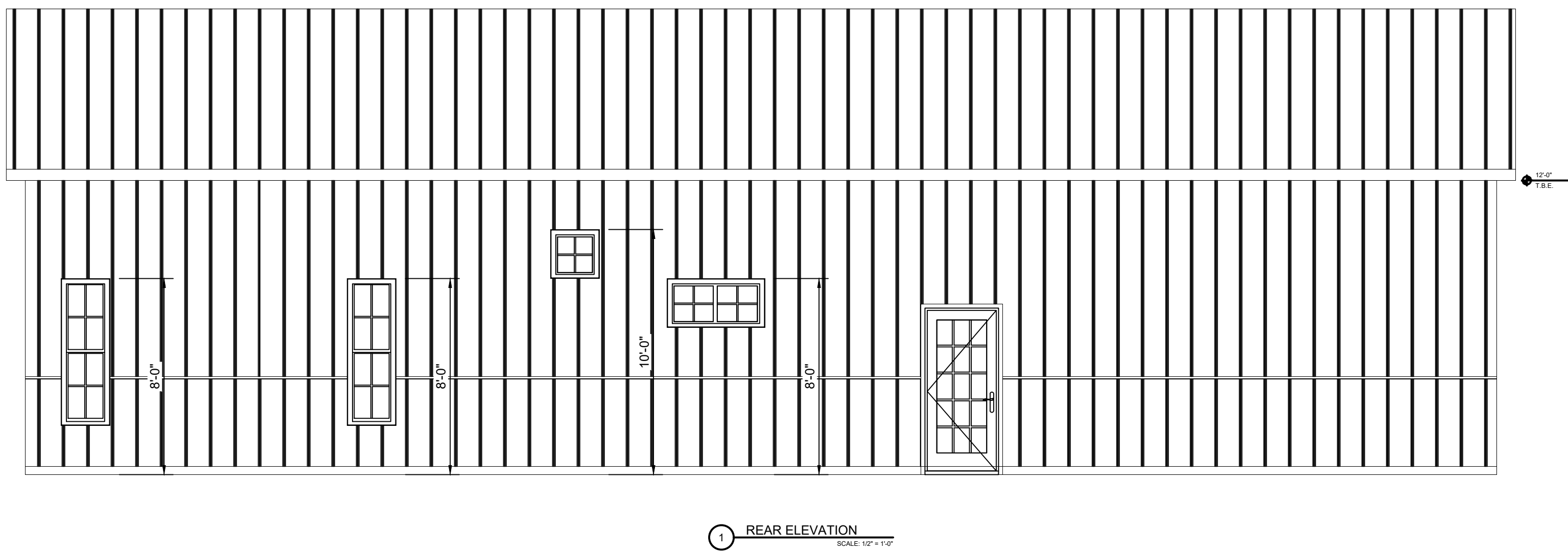
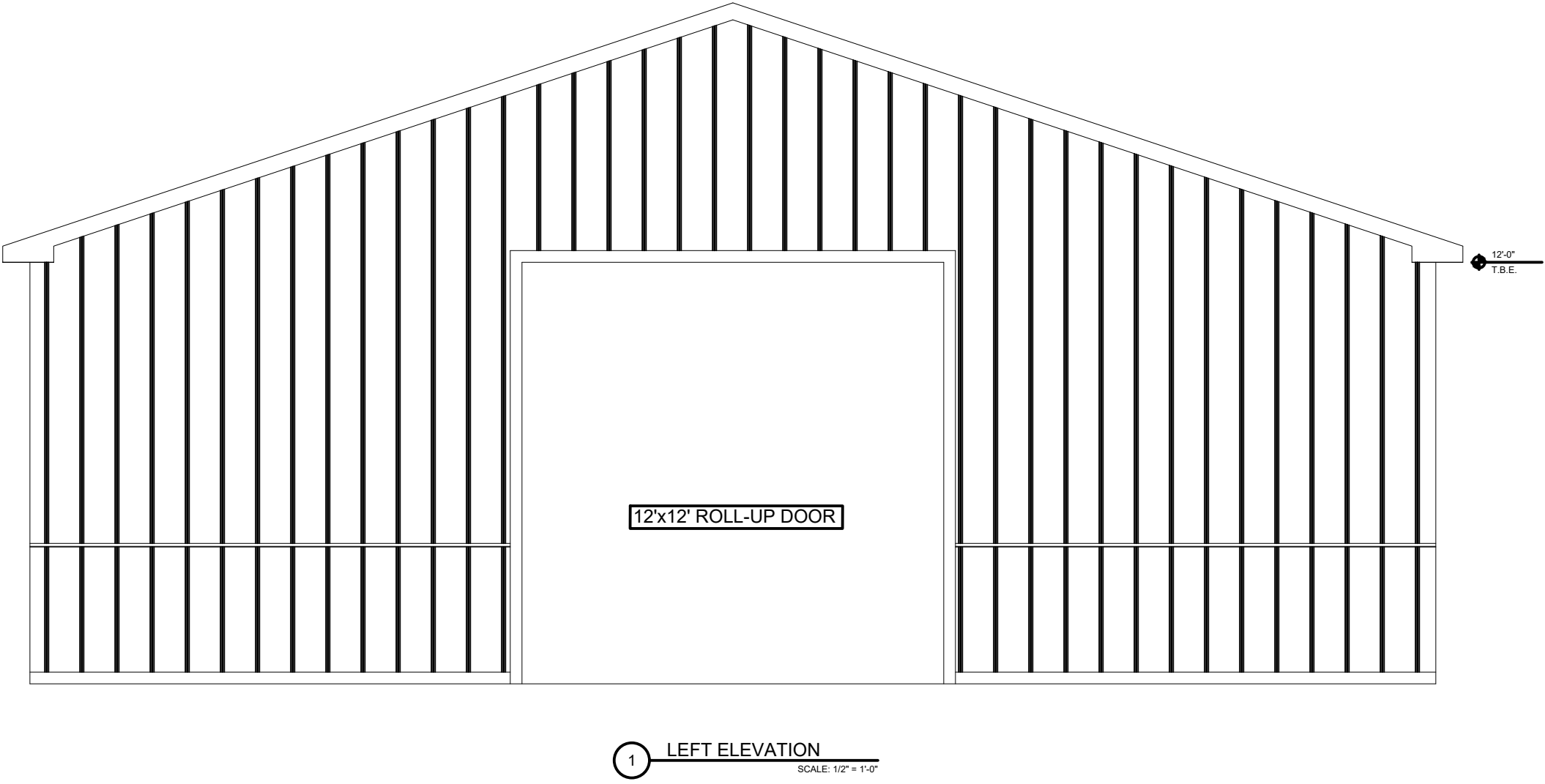
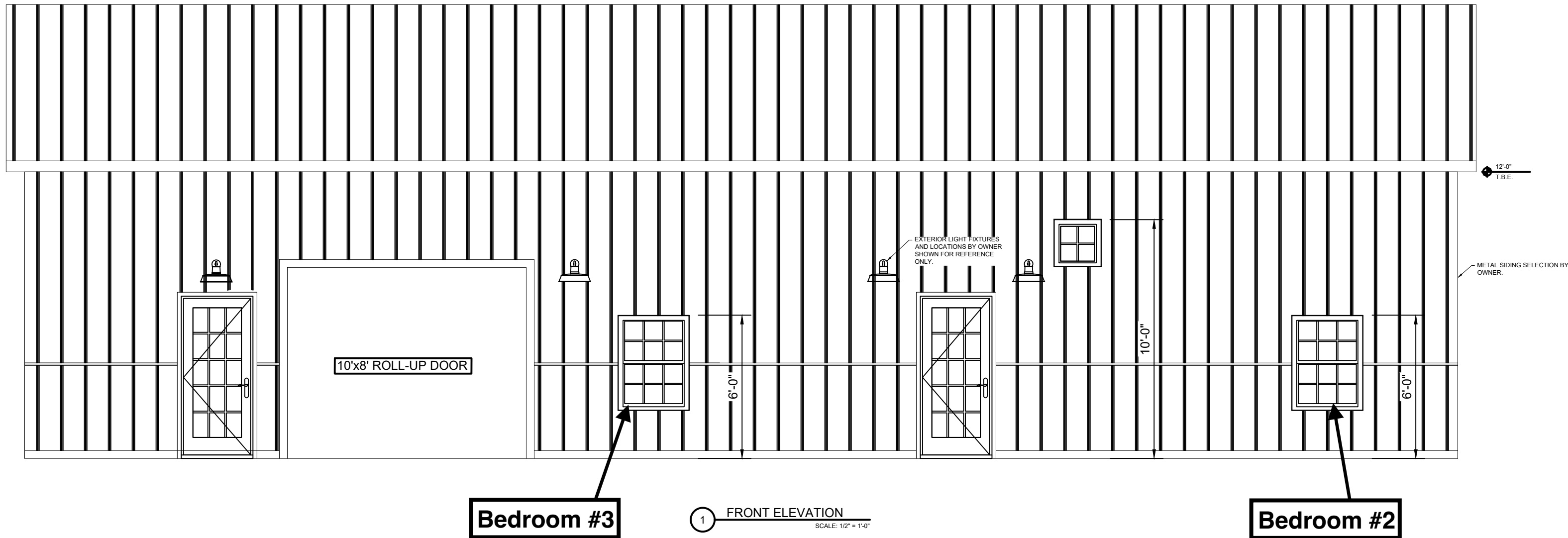
NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

APPROVED
Limited building only review.
Permit holder responsible for full compliance with the code.

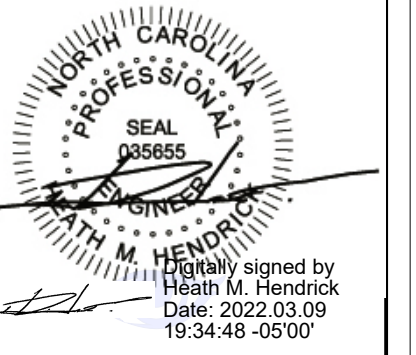
10/02/2023




See all notes



HM Hendrick Enterprises, INC.
612 VALLEY RD., Sanford, NC 27330
(919) 427-0501



GIETZ RESIDENCE
2780 NORRINGTON RD.
LILLINGTON, NORTH CAROLINA

Project Name

FOUNDATION PLAN

Sheet Title

DESIGNED BY: HMH

DRAWN BY: HMH

APPROVED BY: HMH

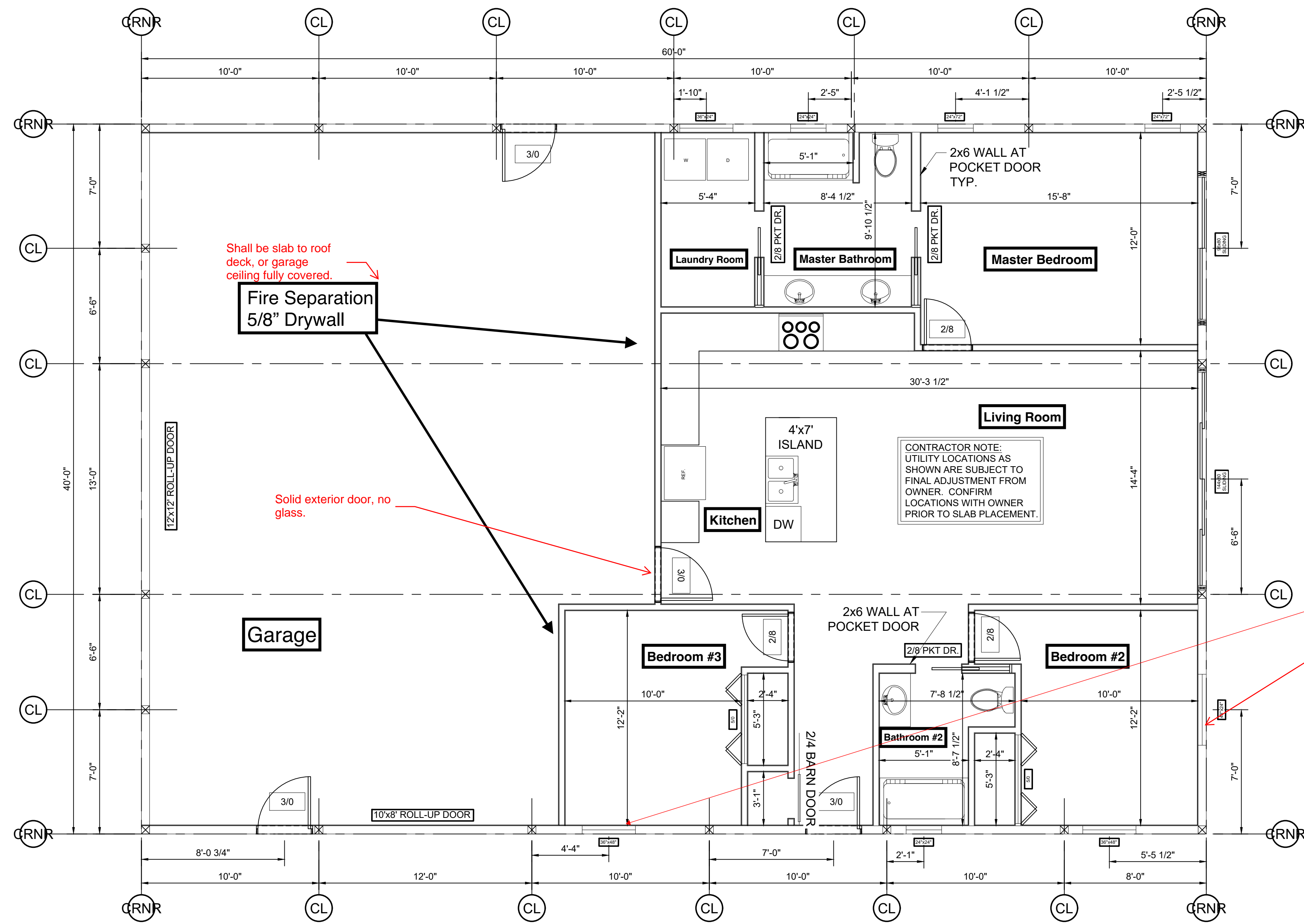
PROJECT #: -

DATE: 02/27/22

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Sheet

S1.0



Shall be slab to roof deck, or garage ceiling fully covered.
Fire Separation
 5/8" Drywall

Solid exterior door, no glass.

CONTRACTOR NOTE:
 UTILITY LOCATIONS AS SHOWN ARE SUBJECT TO FINAL ADJUSTMENT FROM OWNER. CONFIRM LOCATIONS WITH OWNER PRIOR TO SLAB PLACEMENT.

At least one egress window in each bedroom. Window shall have minimum 5 sq ft of total glass area, the following three individual requirements shall also be met.

1. Minimum 4 square foot opening clear.
2. Minimum opening height shall not be less than 20" clear.
3. Minimum opening width shall not be less than 22 inches clear.

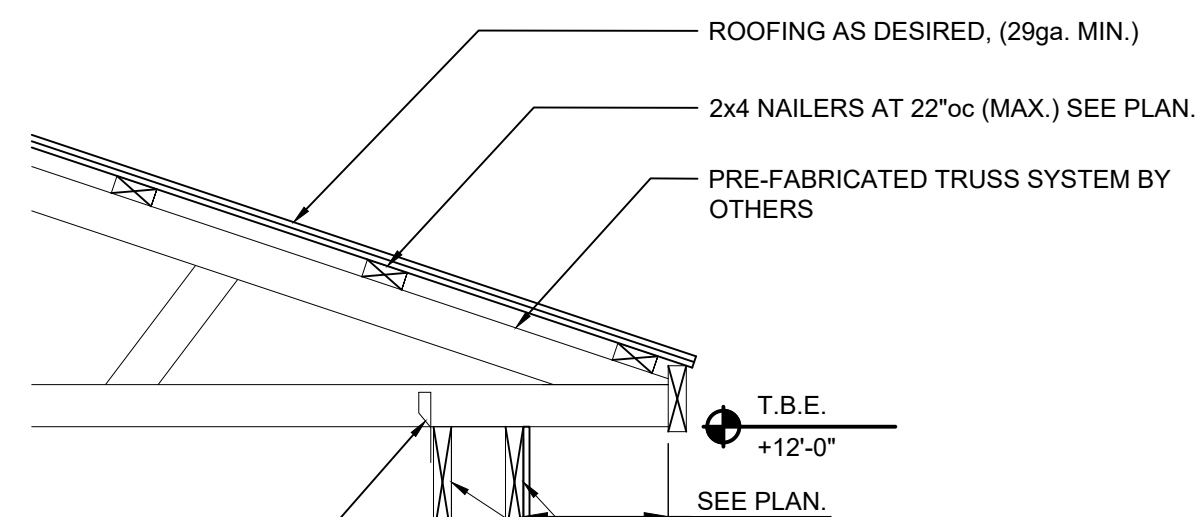
1 LAYOUT PLAN
 SCALE: 1/4" = 1'-0"



FOUNDATION PLAN

DESIGNED BY:	HMH	
DRAWN BY:	HMH	
APPROVED BY:	HMH	
PROJECT #:	-	
DATE:	02/27/22	
No.	Revision	Date

Ownership of Instruments of Service: All reports, plans, specifications, computer files, field data, notes and instruments prepared by the design professional as instruments of service shall remain the property of the design professional. All common law, statutory and other reserved rights including the copyright therein.



INSTALLER NOTE:
2X6 GUSSETS MAY BE INSTALLED BETWEEN GIRDERS AS A TRUSS HOLD-DOWN, (2-10d NAILS TO EACH FACE OF THE GIRDER, AND TO THE TRUSS BOTTOM CHORD), AS AN ALTERNATE TO PREFABRICATED HURRICANE TIES AT CONTRACTOR'S OPTION.

(2)-2x10 GIRDERS - (1) INSTALLED ON EA. FACE OF POST. ATTACH TO POST w/ (2)-5/16"x5"L LAG SCREWS (MIN.) EA. SIDE.

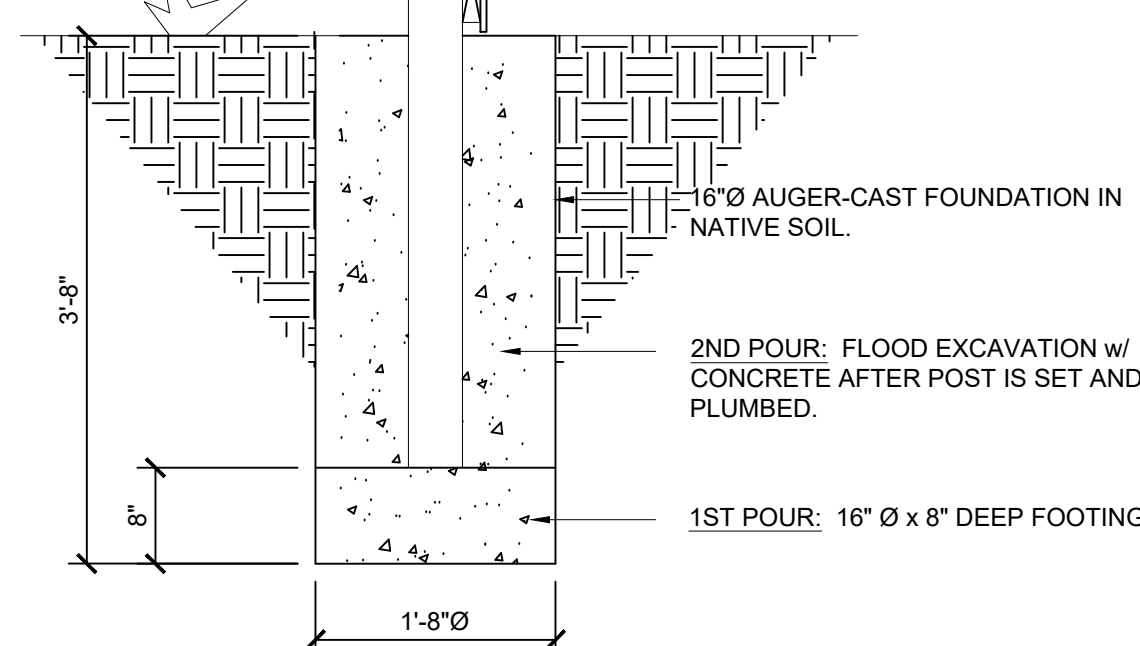
GIRDERS TO SPAN ACROSS (2) POSTS (MIN.) STAGGER SPLICES. SEE DETAIL 4/S1.0 FOR TYPICAL SPLICE DETAIL.

EXTERIOR SIDING AS DESIRED.

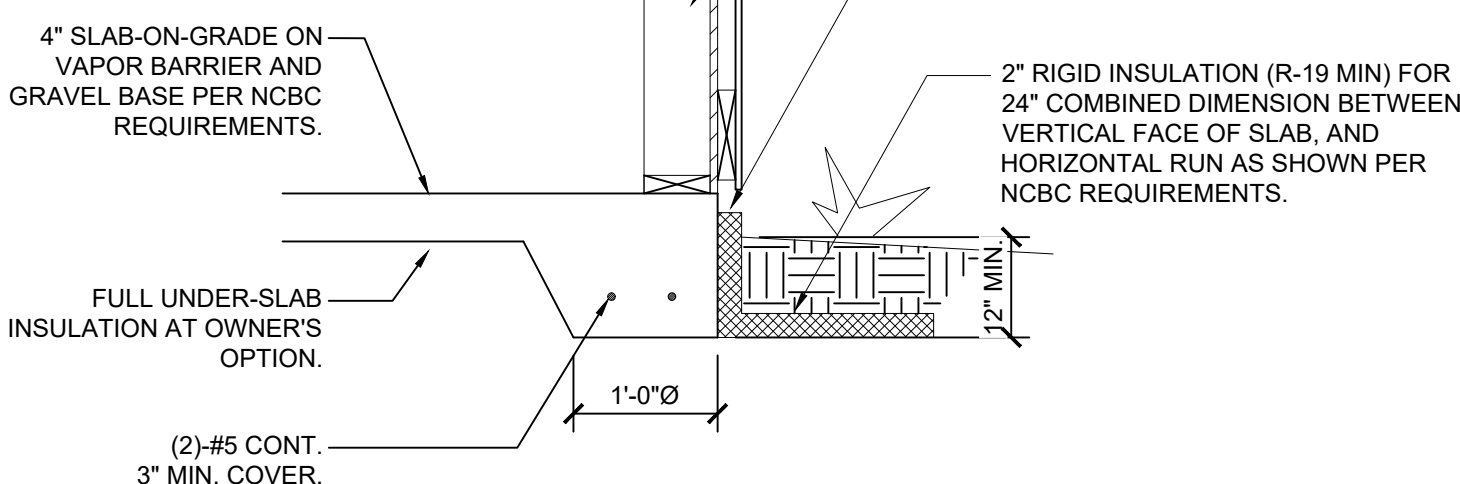
2x6 NAILERS AT 36"oc (MAX.) ATTACH TO POST w/ (3)-10d NAILS (MIN.)

6x6 P.T. POST - SEE PLAN FOR LOCATION AND SPACING.

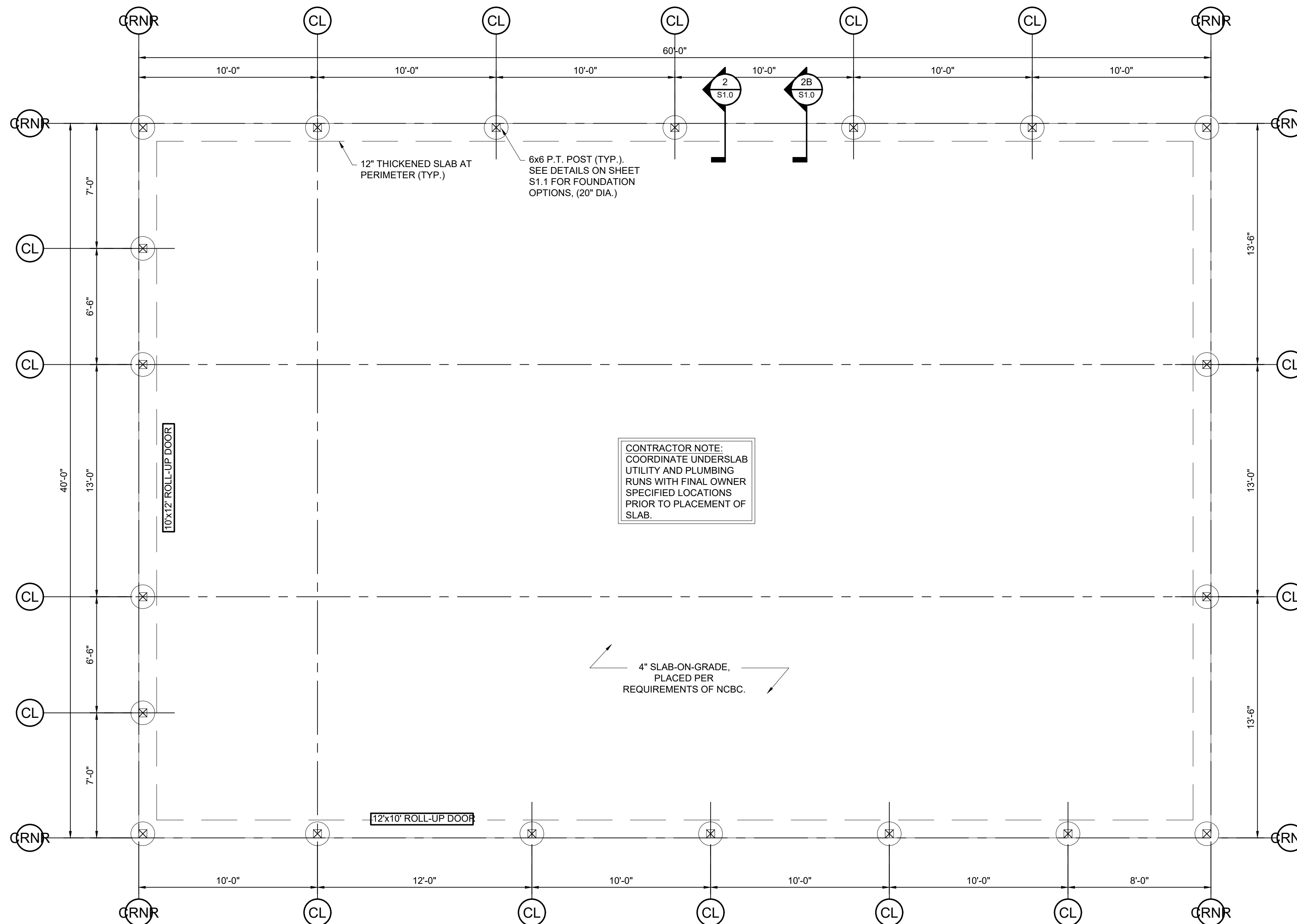
2x8 P.T. SKIRT-BOARD ATTACH TO POST w/ (3)-10d NAILS (MIN.)



2 SECTION - POLE BARN WALL FRAMING
SCALE: 3/4" = 1'-0"



2B SECTION - PERIMETER SLAB ON GRADE
SCALE: 3/4" = 1'-0"



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

CONTRACTOR NOTE:
COORDINATE UNDERSLAB UTILITY AND PLUMBING RUNS WITH FINAL OWNER SPECIFIED LOCATIONS PRIOR TO PLACEMENT OF SLAB.

CONSTRUCTION SUMMARY

LOCATION: 2780 NORRINGTON RD, LILLINGTON, NC 27546 (HARNETT CO.)

SQUARE FOOTAGE: ENCLOSED RESIDENCE: 1247 SQ. FT.
TOTAL AREA UNDER ROOF: 2309 SQ. FT.

DESIGN CODES:

2018 NORTH CAROLINA STATE BUILDING CODE

DESIGN LOADS:

THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED WITH THE FOLLOWING SUPERIMPOSED LOADINGS:

DESIGN LIVE LOADS:
ROOF: 20 psf
WIND: BASIC WIND SPEED (3 SEC GUST) 100 mph
EXPOSURE CATEGORY B
IMPORTANCE FACTOR 1.0

BRACED WALL METHOD: POST/FRAME (POLE BARN)

FOUNDATIONS:

FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2,000 psf. ON EXISTING SOILS. BEFORE CONSTRUCTION COMMENCES, SOIL BEARING CAPACITY SHALL BE VERIFIED BY A SUBSURFACE INVESTIGATION.

CONCRETE MATERIAL SPECIFICATIONS:
CONCRETE COMPRESSIVE STRENGTH: 3000 psi (28 DAY STRENGTH)
CEMENT: TYPE III
AIR ENTRAINMENT: 5% - 7% IF EXPOSED TO WEATHER OR EARTH
REINFORCING STEEL: ASTM A615, GRADE 60
WELDED WIRE FABRIC: ASTM A185
ANCHOR BOLTS: GRADE A36
CLASS B SPLICE LENGTH: GREATER OF 48 BAR DIAMETERS OR 24 INCHES

WOOD MATERIAL SPECIFICATIONS:

STRUCTURAL WOOD:
SPRUCE-PINE-FIR (SPF) OR SOUTHERN YELLOW PINE (SYP) NO. 2 OR BETTER.
MODULAS OF ELASTICITY (E) 1,300,000 PSI
BENDING (Fb) 850 PSI
SHEAR (Fv) 75 PSI
PRESSURE TREATING: AITC-109
WOOD FASTENERS: 2003 I.B.C. (TABLE 2304.9.1) U.N.O.
LVL BEAMS:
MODULAS OF ELASTICITY (E) 1,900,000 PSI
BENDING (Fb) 2,600 PSI
SHEAR (Fv) 285 PSI

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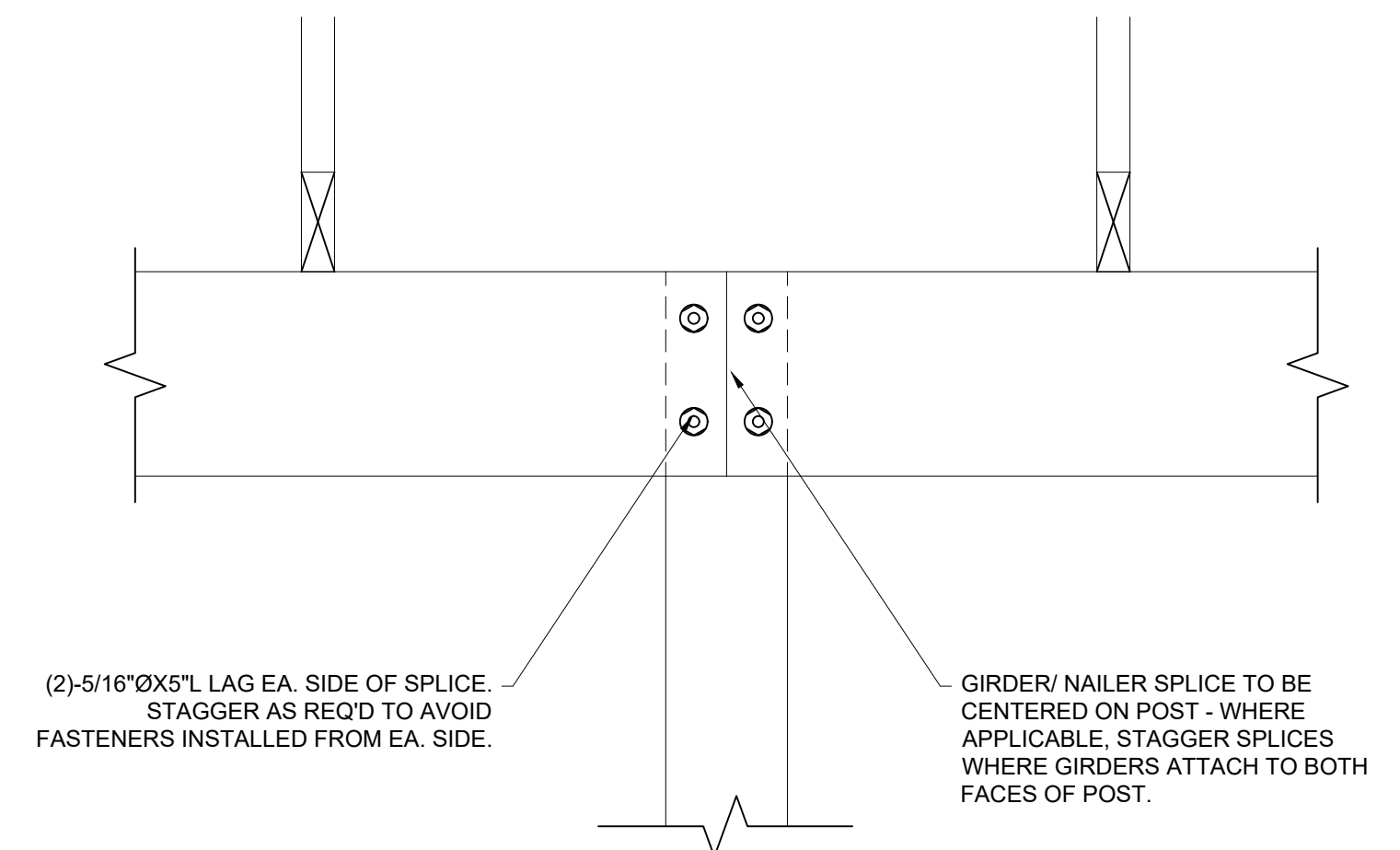
FRAMING PLAN AND DETAILS

Sheet Title

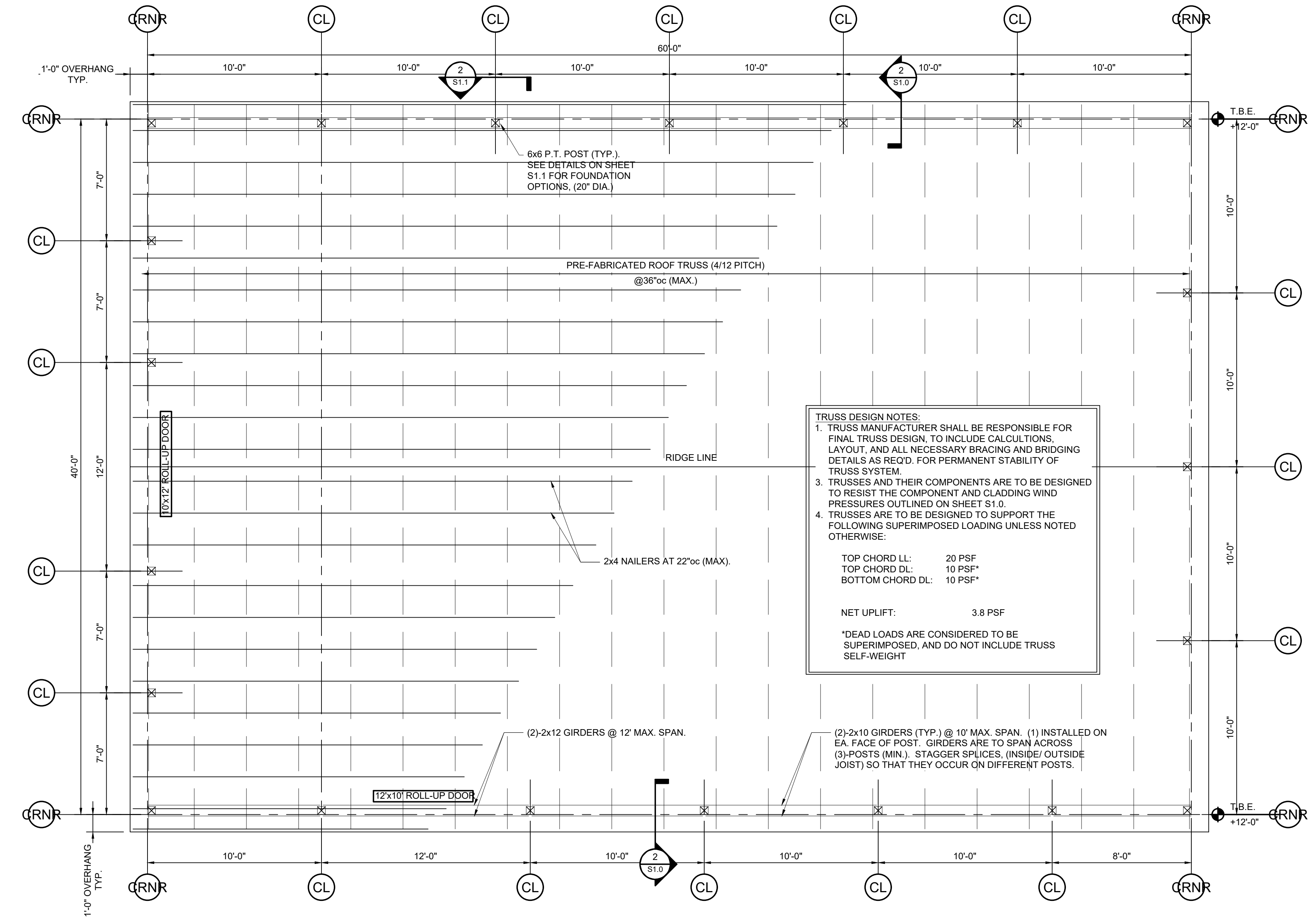
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S1.1



2 GIRDER SPLICE DETAIL
 SCALE: 1-1/2" = 1'-0"



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

TRUSS DESIGN NOTES:

1. TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR FINAL TRUSS DESIGN, TO INCLUDE CALCULATIONS, LAYOUT, AND ALL NECESSARY BRACING AND BRIDGING DETAILS AS REQ'D. FOR PERMANENT STABILITY OF TRUSS SYSTEM.
2. TRUSSES AND THEIR COMPONENTS ARE TO BE DESIGNED TO RESIST THE COMPONENT AND CLADDING WIND PRESSURES OUTLINED ON SHEET S1.0.
3. TRUSSES ARE TO BE DESIGNED TO SUPPORT THE FOLLOWING SUPERIMPOSED LOADING UNLESS NOTED OTHERWISE:
 TOP CHORD LL: 20 PSF
 TOP CHORD DL: 10 PSF
 BOTTOM CHORD DL: 10 PSF
4. NET UPLIFT: 3.8 PSF

*DEAD LOADS ARE CONSIDERED TO BE SUPERIMPOSED, AND DO NOT INCLUDE TRUSS SELF-WEIGHT