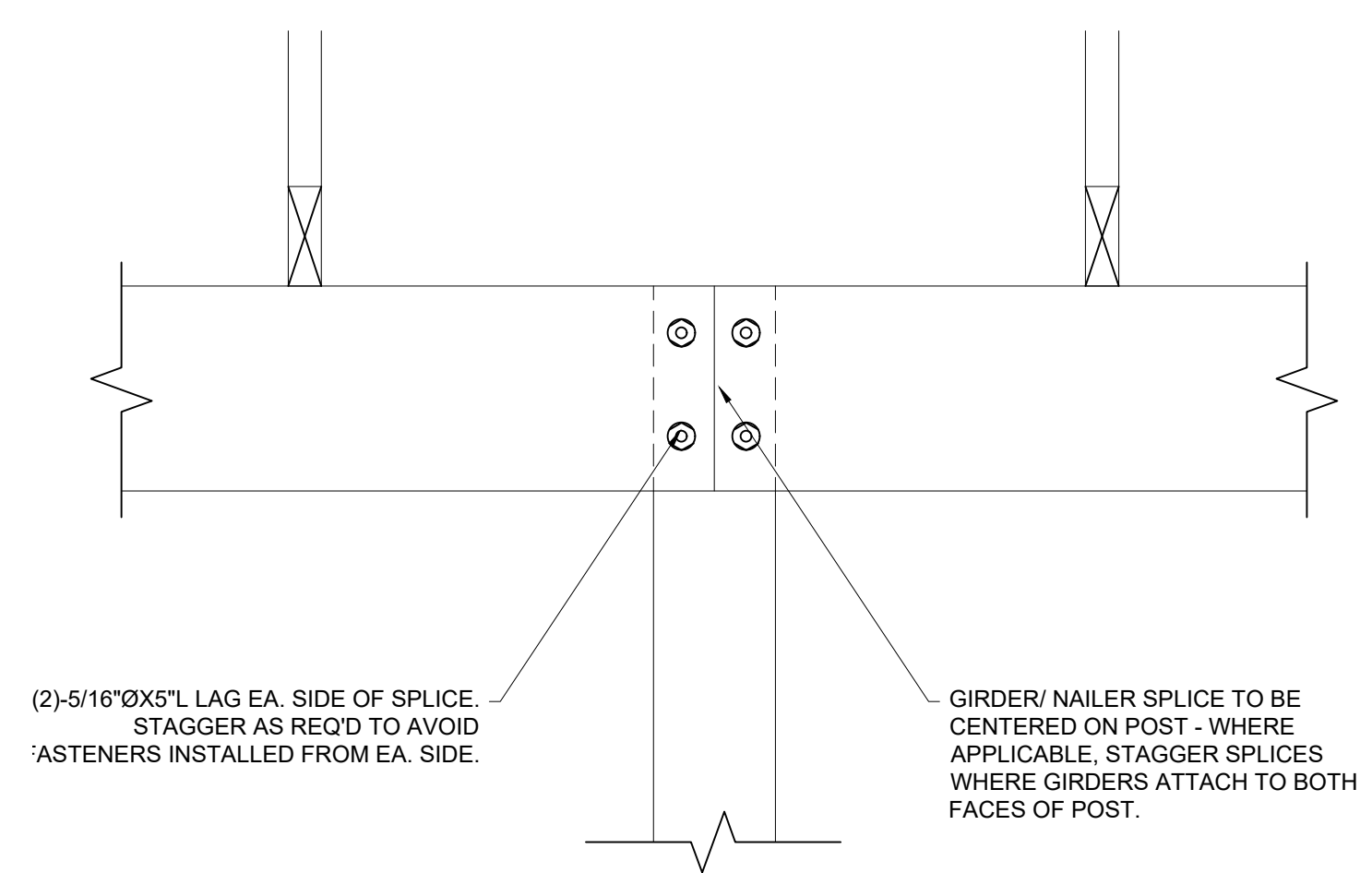
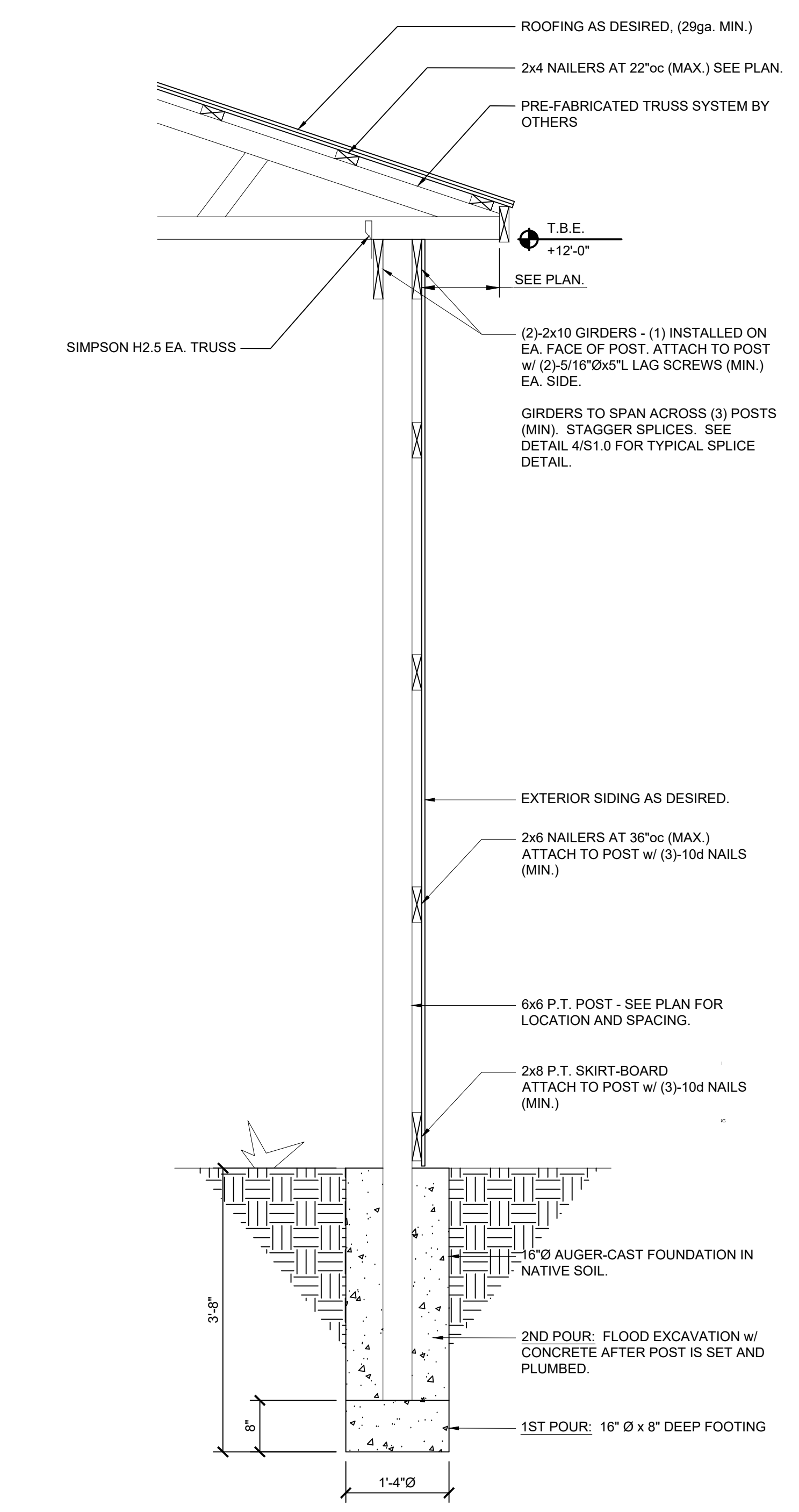


NOTICE TO CONTRACTOR
 All dimensions and details are shown on this drawing unless otherwise noted.
 APPROVED
 09/22/2020

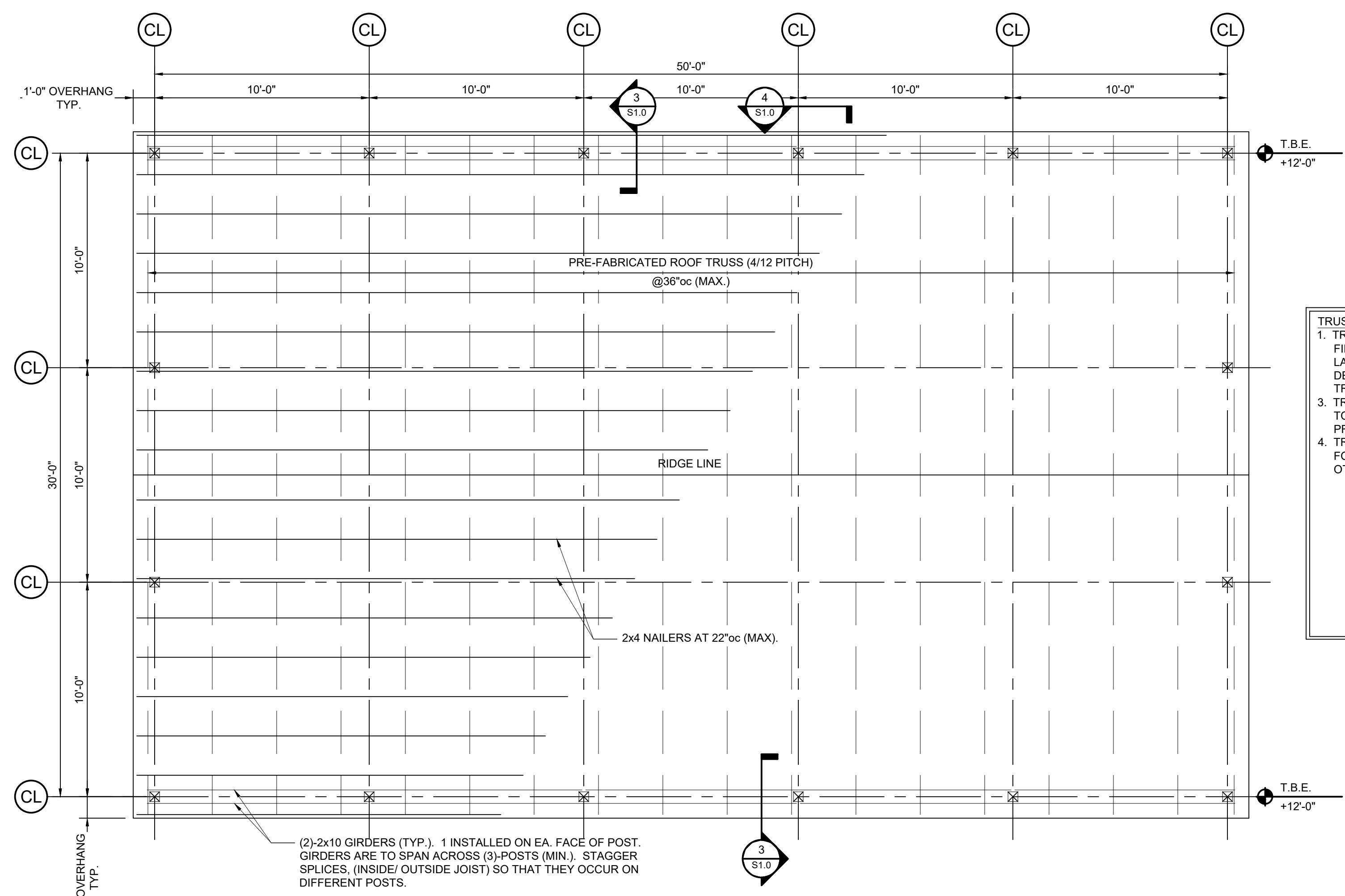

HM Hendrick Enterprises, INC.
 913 Bentcreek Ct. Sanford, NC 27330
 (919) 427-0501



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



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

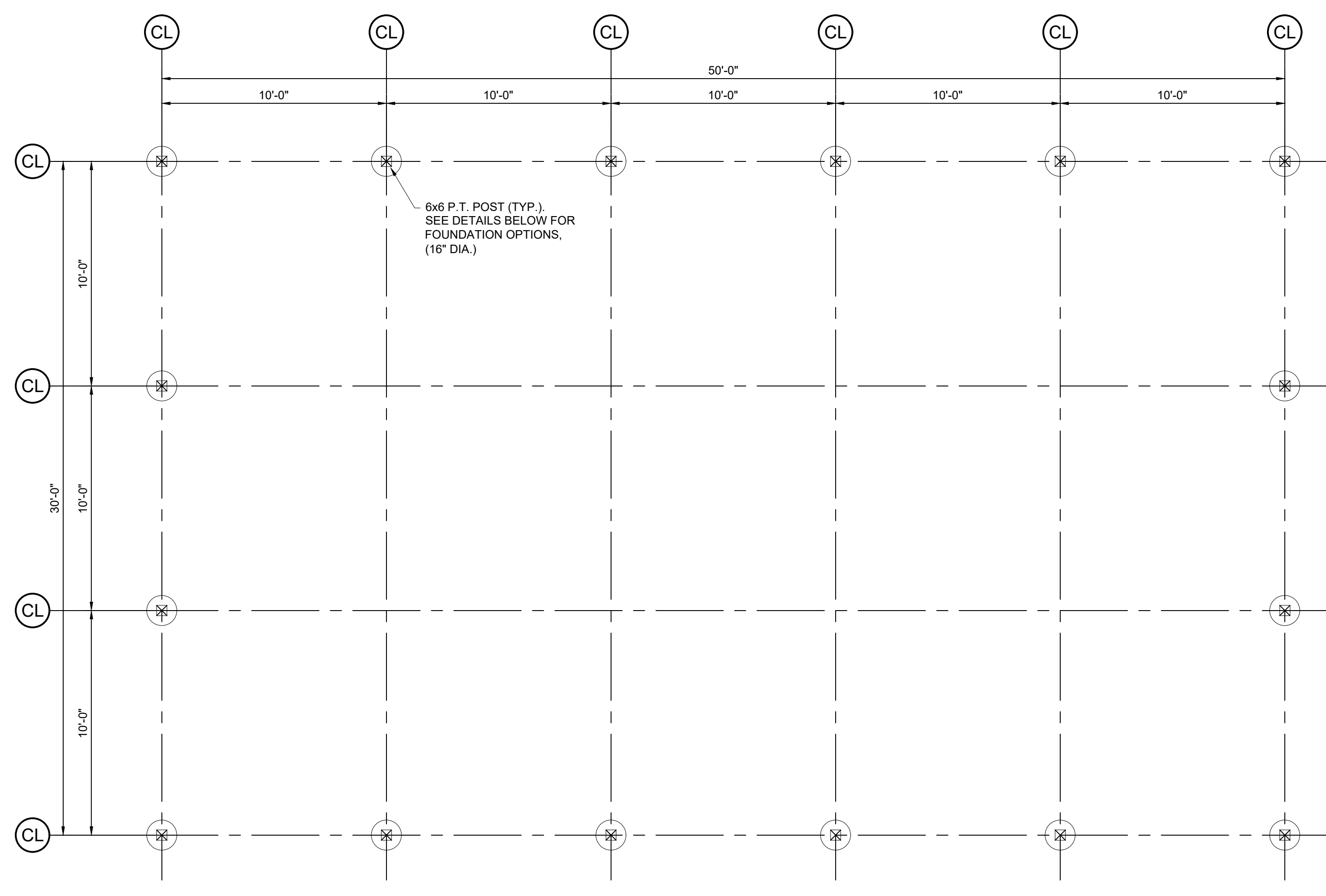


2 ROOF FRAMING PLAN
 SCALE: 1/4" = 1'-0"

TRUSS DESIGN NOTES:

- 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.
- TRUSSES AND THEIR COMPONENTS ARE TO BE DESIGNED TO RESIST THE COMPONENT AND CLADDING WIND PRESSURES OUTLINED ON SHEET S1.0.
- 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: 5 PSF*
 NET UPLIFT: 3.8 PSF

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



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

CONSTRUCTION SUMMARY
 LOCATION: 103 BROWN ROAD, LILLINGTON, NC 27546 (HARNETT CO.)
 SQUARE FOOTAGE: ENCLOSED BARN: 1500 SQ. FT.
 DESIGN CODES:
 2018 NORTH CAROLINA STATE BUILDING CODE - AGRICULTURAL STRUCTURE
 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.
 MODULUS 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:
 MODULUS OF ELASTICITY (E): 1,900,000 PSI
 BENDING (Fb): 2,500 PSI
 SHEAR (Fv): 285 PSI

103 BROWN ROAD
 AGRICULTURAL USE POLE BARN
 LILLINGTON, NORTH CAROLINA

FOUNDATION & FRAMING PLANS

DESIGNED BY:	HMH	
DRAWN BY:	HMH	
APPROVED BY:	HMH	
PROJECT #:	-	
DATE:	09/16/20	
No.	Revision	Date

Sheet
S1.0