

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

CONSTRUCTION SUMMARY
 LOCATION: 3941 ROSSER PITTMAN RD, BROADWAY, NC 27605 (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 pcf

WIND:
 BASIC WIND SPEED (3 SEC GUST): 100 mph (ADJUSTED)
 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 pcf 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 A186
 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 2304.3.1) U.N.O.

LVL BEAMS:
 MODULUS OF ELASTICITY (E): 1,900,000 PSI
 BENDING (Fb): 2,600 PSI
 SHEAR (Fv): 285 PSI

HMHendrick Enterprises, INC.
 813 Bentcreek Ct, Sanford, NC 27330
 (919) 427-0501



3941 ROSSER PITTMAN RD.
 AGRICULTURAL USE POLE BARN
 BROADWAY, NORTH CAROLINA

FOUNDATION PLAN

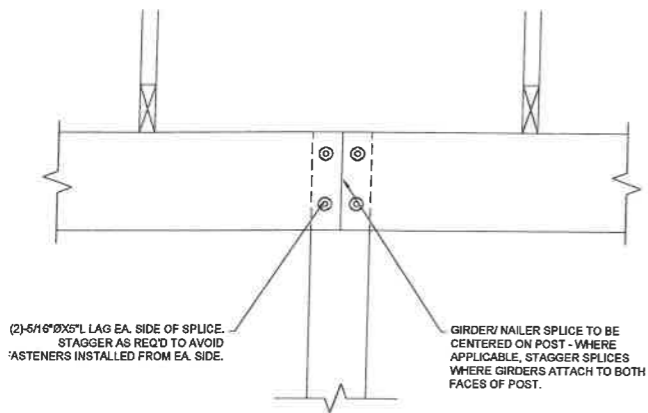
DESIGNED BY: HMH
 DRAWN BY: HMH
 APPROVED BY: HMH

PROJECT #:
 DATE: 06/21/23

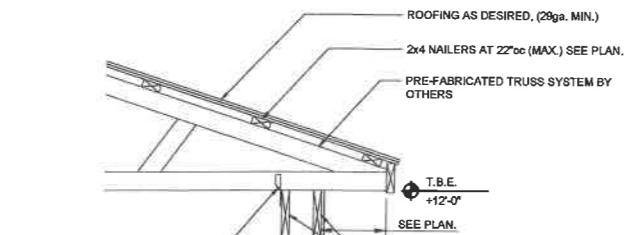
No.	Revision	Date

Sheet Title
S1.0

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.



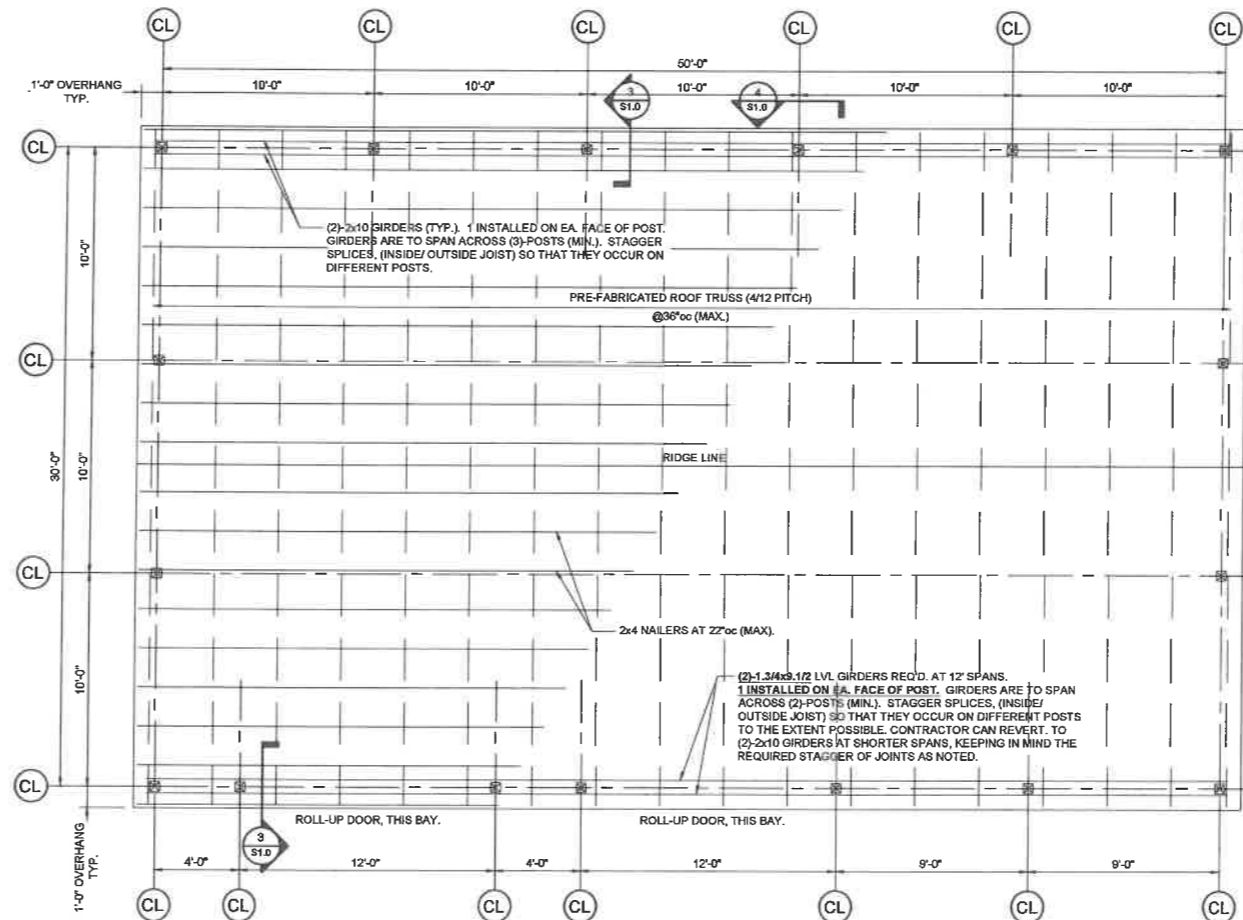
4 GIRDER SPLICE DETAIL
SCALE: 1-1/2" = 1'-0"



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.

INSTALLER NOTE:
ICC TESTED/ APPROVED AND STAMPED WET-SET POST BASE (STURDI-WALL SWP06 OR EQUIVALENT) IS AN APPROVED ALTERNATE TO EMBEDDED POSTS AS SHOWN AT CONTRACTOR'S OPTION.
WET-SET POST BASE REQUIRES A MINIMUM OF A 20\"/>

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



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

HMHendrick Enterprises, INC.
913 Bentcreek Ct. Sanford, NC 27330
(919) 427-0601



3941 ROSSER PITTMAN RD.
AGRICULTURAL USE POLE BARN
BROADWAY, NORTH CAROLINA

FRAMING PLAN AND DETAILS

DESIGNED BY:	HMH	
DRAWN BY:	HMH	
APPROVED BY:	HMH	
PROJECT #:		
DATE:	08/21/23	
No.	Revision	Date

Sheet
S1.1

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 reserved.