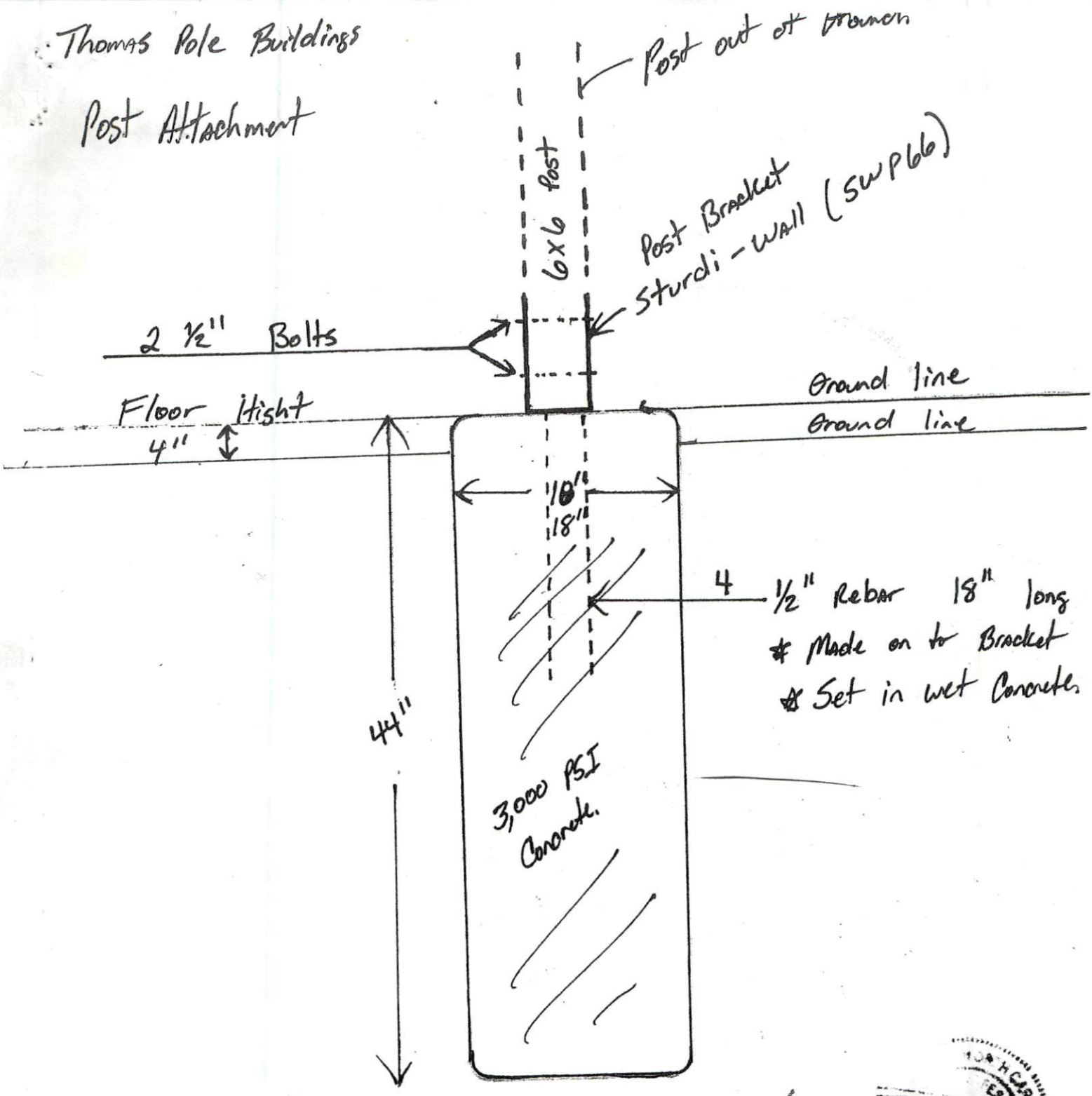
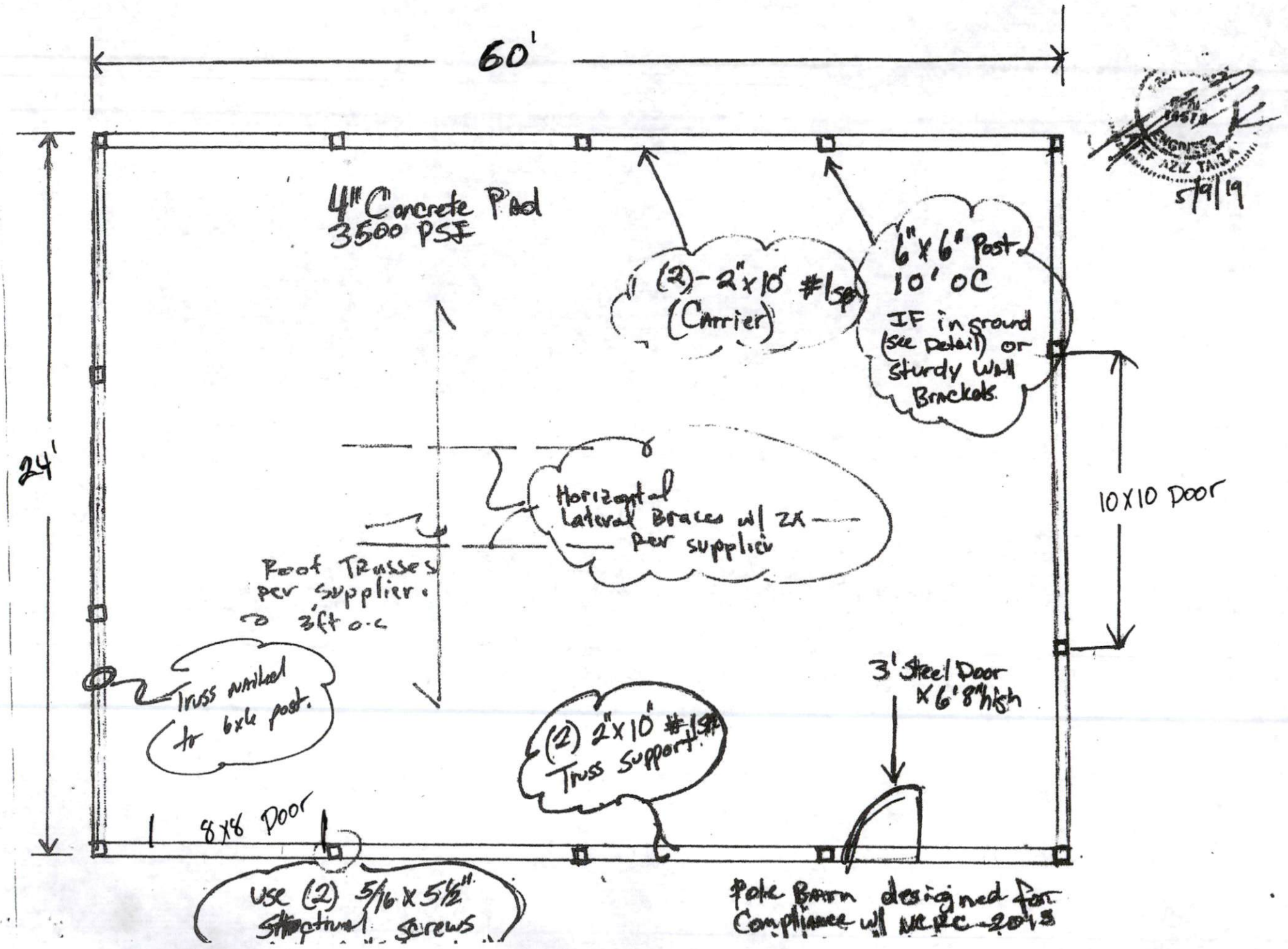
Thomas Pole Buildings

Post Attachment

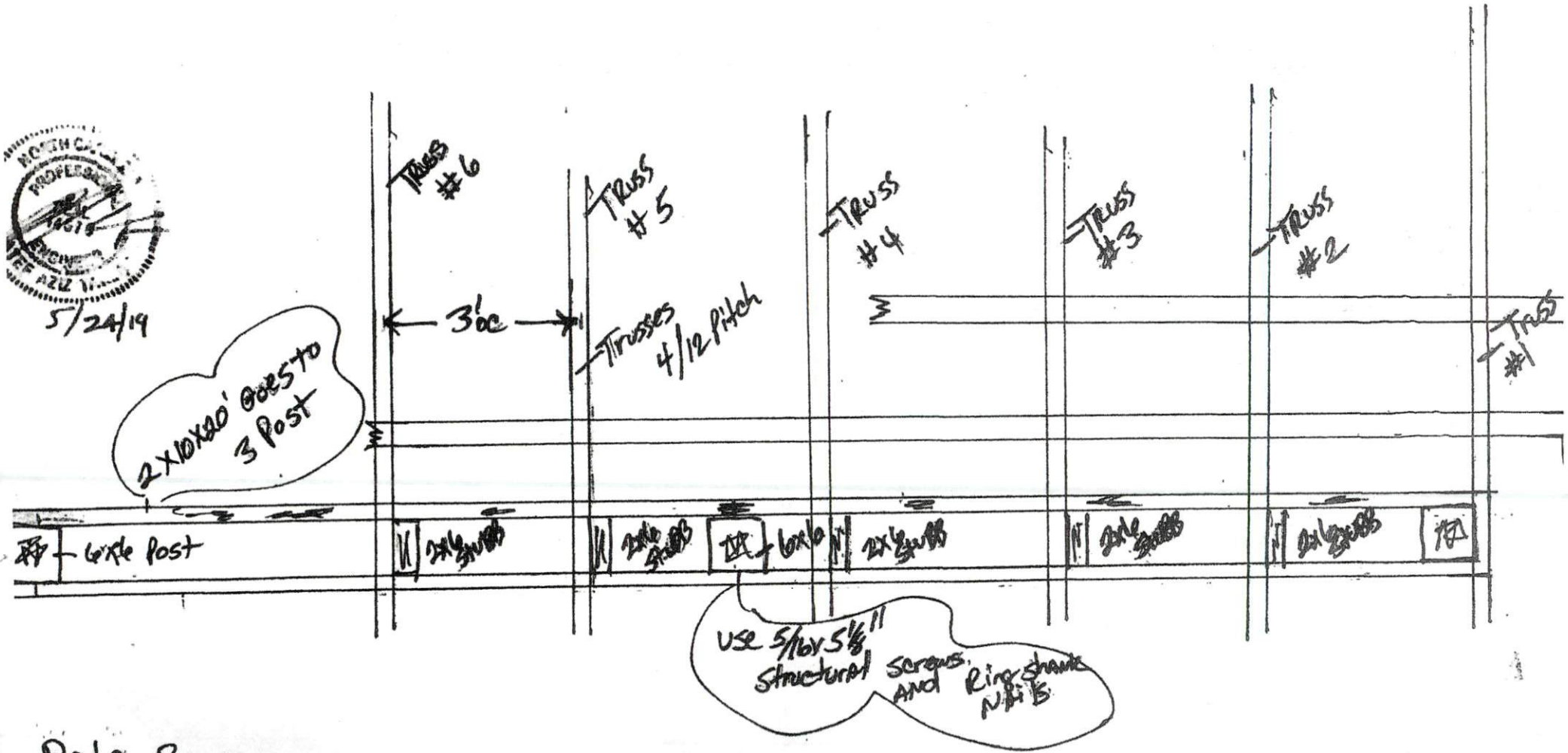


This Plan Is For A 24'x60'x10

Joey


60'
24'
4" Concrete Pad
3500 PSI
(2)-2"x10" #1SP
(Carrier)
6"x6" Post
10' OC
IF in ground
(see Detail) or
Sturdy Wall
Brackets
10X10 Door
Horizontal
Lateral Braces w/ ZA
per supplier
Roof Trusses
per supplier.
@ 3ft o.c
Truss nailed
to 6x6 post.
(2) 2"x10" #1SP
Truss Support
3' Steel Door
X 6'8" high
8X8 Door
Use (2) 5/16 X 5½"
Structural Screws
Pole Barn designed for
Compliance w/ IRC-2015
5/9/19

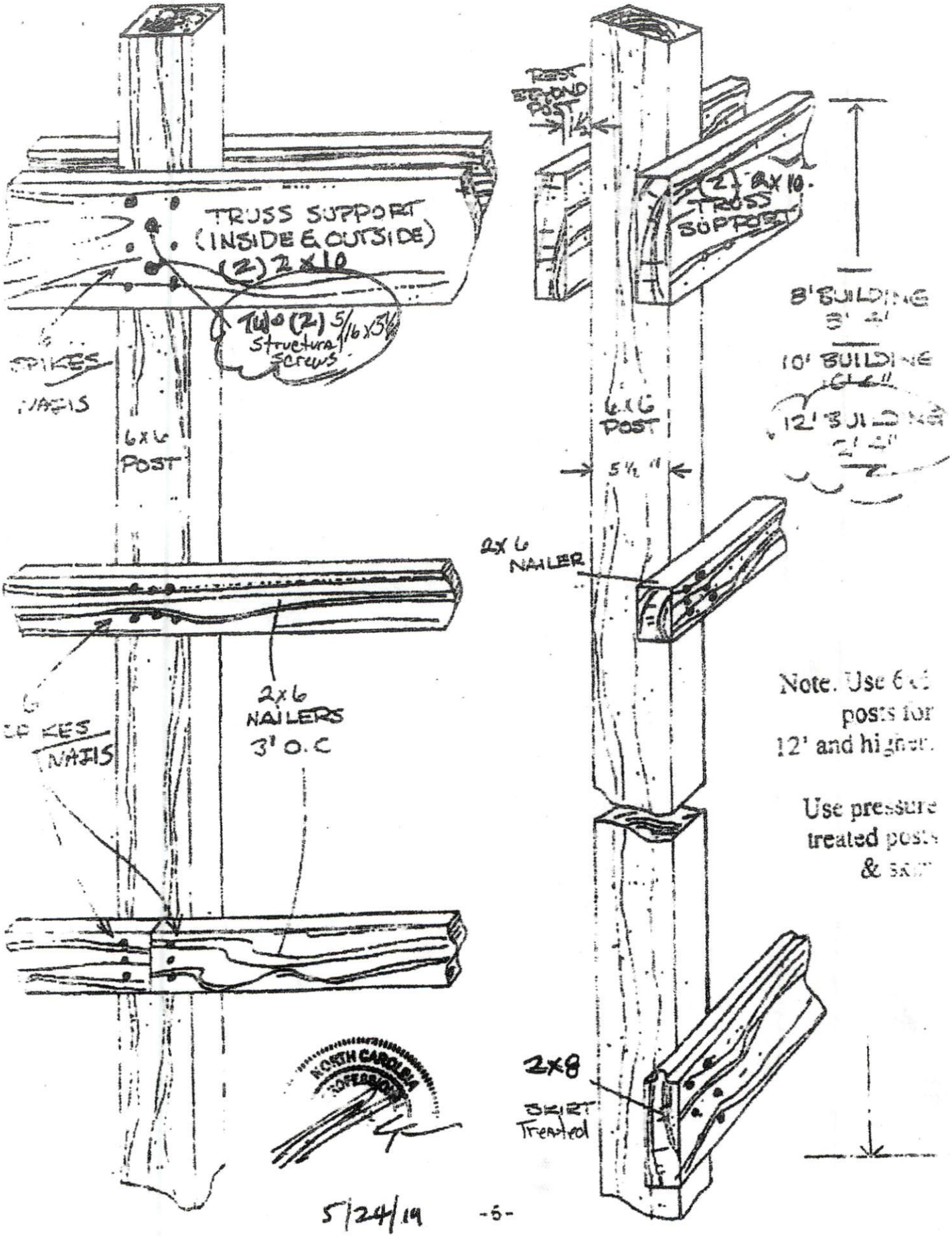
Pole Buildings.



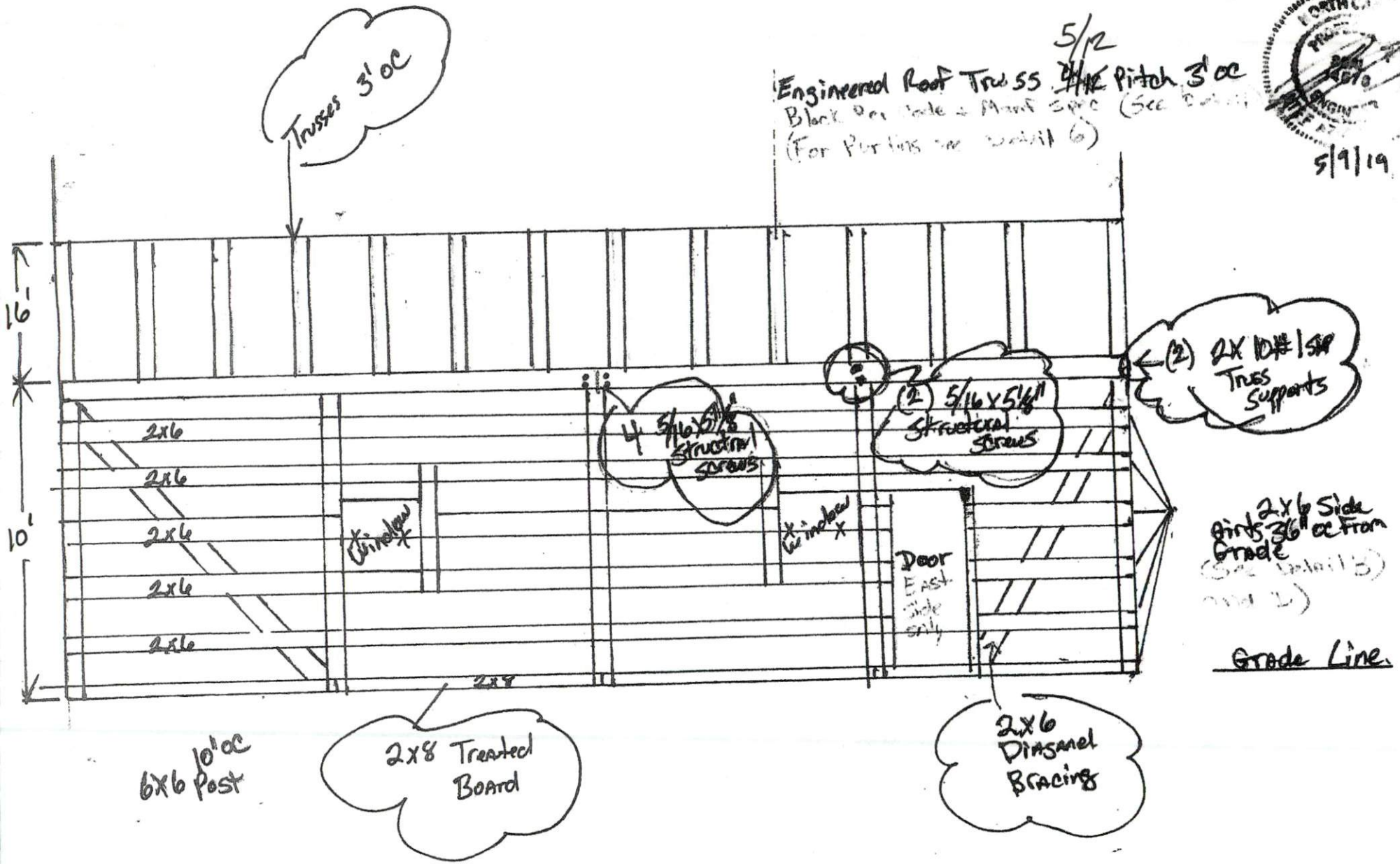
5/24/19

Pole Barn

Thomas Pole Buildings.

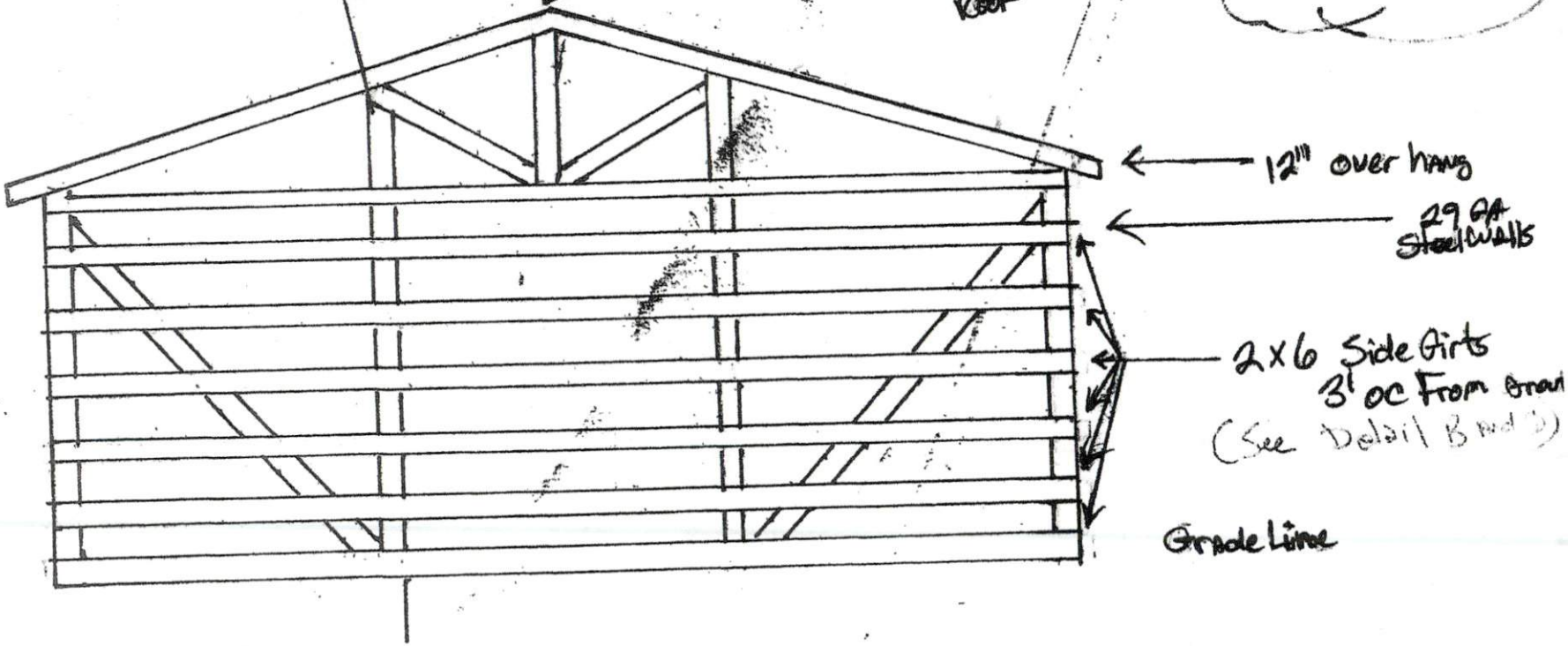


'ole Buildings



Pole Barn

Pole Buildings

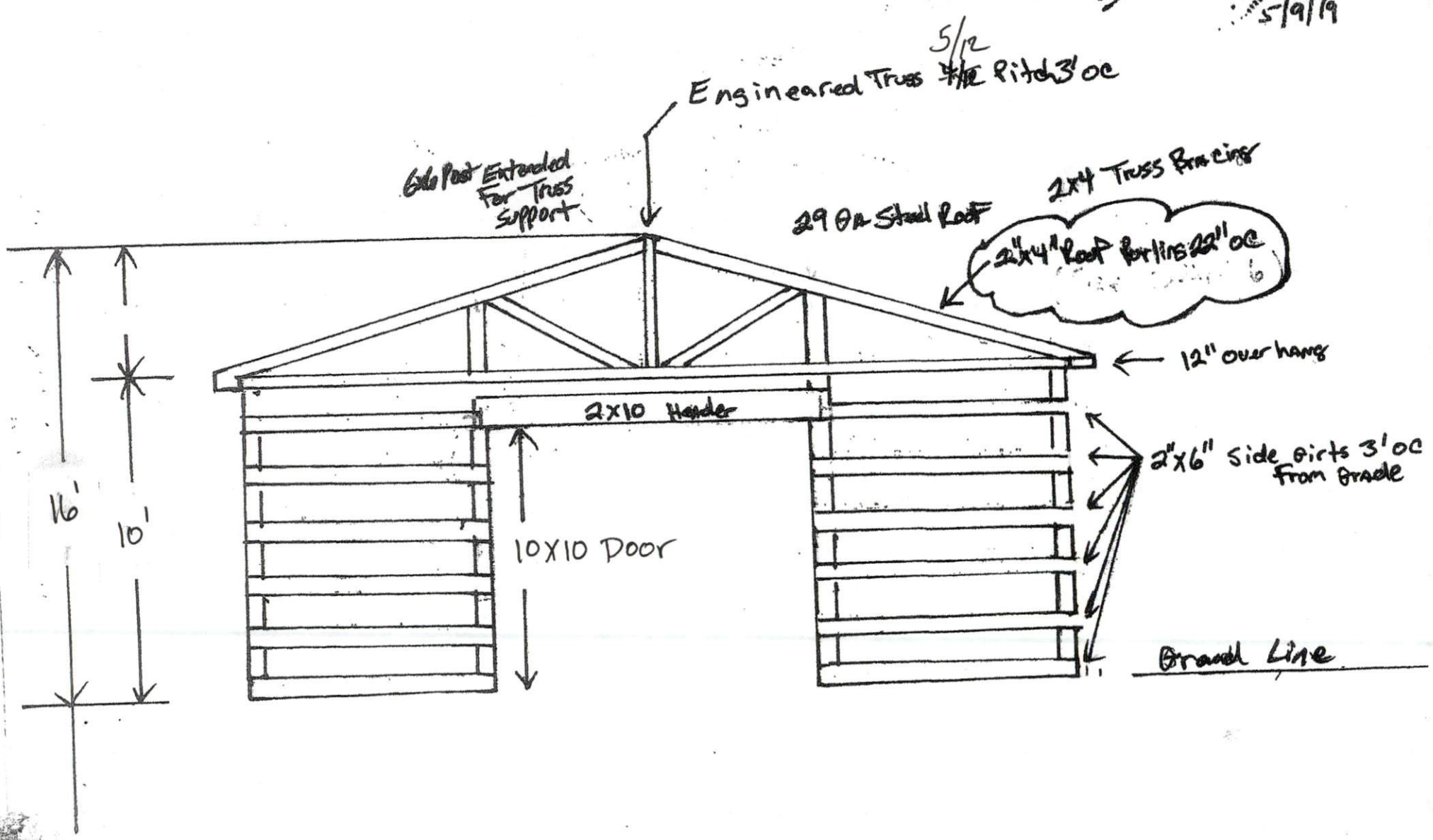


5/9/19

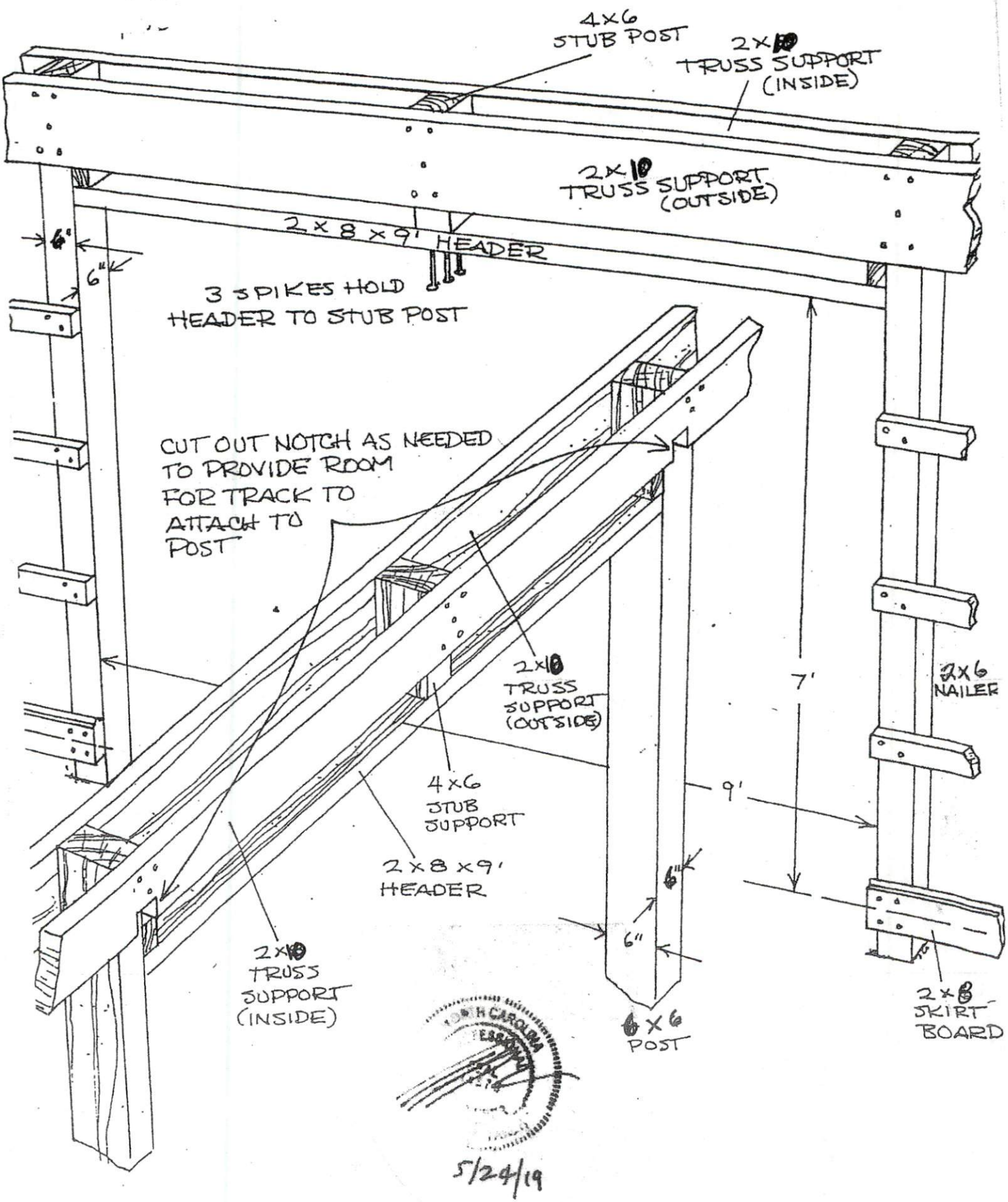
Pole Barn

Buildings.

5/9/19

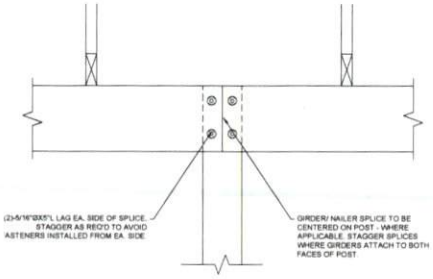


OVERHEAD DOOR ON SIDE WALL

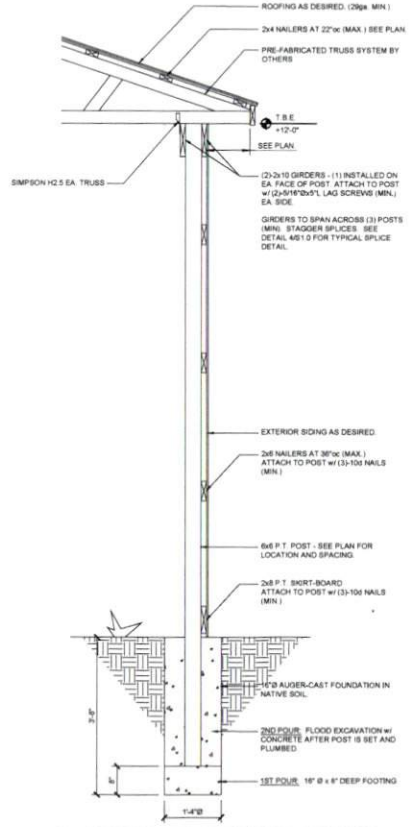


5/24/19

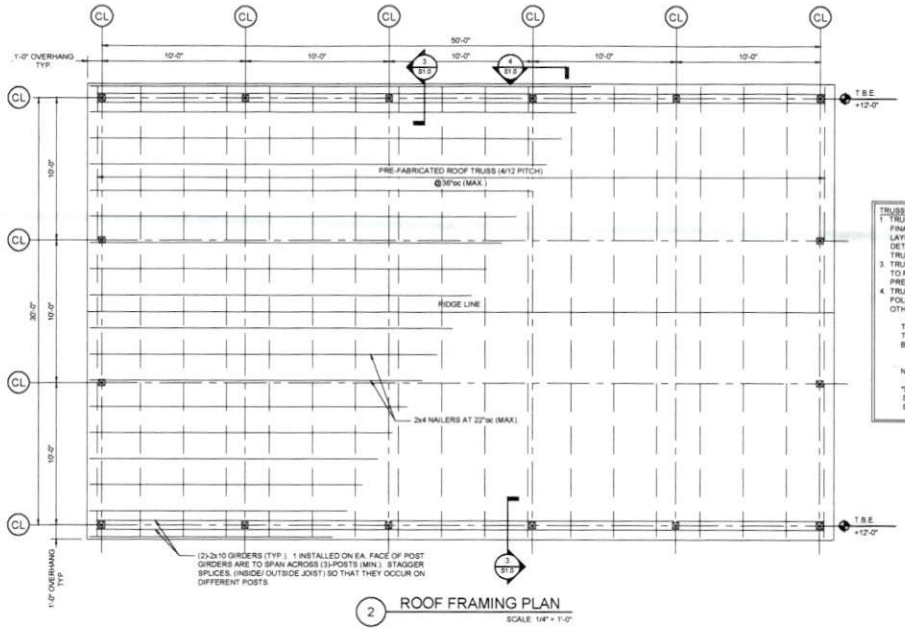
(This is a updated set of Plans) 24'x 60' will be built same as 30'x 50')



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



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

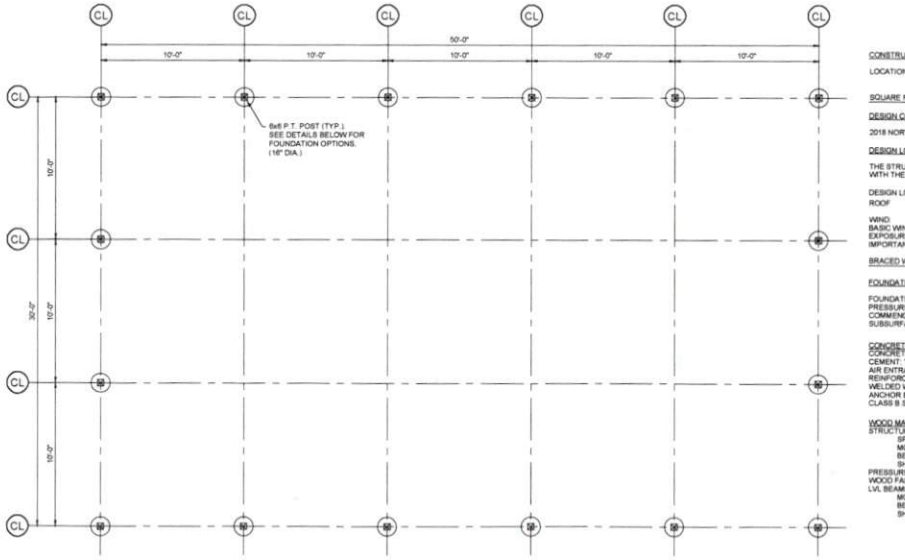


2 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

TRUSS DESIGN NOTES:
1. TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR FINAL TRUSS DESIGN, TO INCLUDE CALCULTIONS, LAYOUT, AND ALL NECESSARY BRACING AND BRIDGING DETAILS AS REQ'D. FOR PERMANENT STABILITY OF TRUSS SYSTEM.
3. TRUSSES AND THEIR COMPONENTS ARE TO BE DESIGNED TO RESIST THE COMPONENT AND CLADDING WIND PRESSURES OUTLINED ON SHEET S1.0.
4. 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: ~~403 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 I/II
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

HMHendrick Enterprises, INC.
913 Bentzreek Ct. Sanford, NC 27330
(919) 427-0501

NORTH CAROLINA PROFESSIONAL SEAL 030555 ENGINEER HOWARD M. HENDRICK

Project Name: 103 BROWN ROAD AGRICULTURAL USE POLE BARN LILLINGTON, NORTH CAROLINA

Sheet Title: FOUNDATION & FRAMING PLANS

DESIGNED BY:	HMH
DRAWN BY:	HMH
APPROVED BY:	HMH
PROJECT #:	-
DATE:	09/16/20

No.	Revision	Date

Sheet: S1.0