

MOURAS BARN

539.83'

SW STERLING TER.

856.22'

—EXISTING
HOME UNDER
CONSTRUCTION

THIS STRUCTURE HAS BEEN DESIGNED TO MEET OR EXCEED THE 140 MPH V_{50} 2 SECOND GUST AND 108 MPH V_{100} WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE 2013 EDITION AND ASCE 1.

Greenleaf
Design Services, Inc.
1311 W. MARVIN ST. LONGWOOD, FL 32750

PROJECT: MOURAS BARN
735 SW STERLING TER.

HIGH SPRINGS, FL 32038

SHEET TITLE

SITE PLAN

CHKD: DRAWN BY:

PLOT DATE: 7/31/2024

SHEET
NUMBER
A-Ø1

SIGN & SEAL

LEGAL DESCRIPTION:

COMM AT NW COR OF SEC, RUN S 80.15
FT TO S R/W OF C R 178, E ALONG R/W
698.08 FT, S 3054.10 FT FOR POB, CONT
S 856.22 FT, E 539.83 FT, N 853.56 FT, W
540.28 FT TO POB, AKA PARCEL 1,
SUMMERS ACRES UNR ORB 994-2498. WD
1160-2117, WD 1451-1700

A circular professional engineer seal for William F. Sturke. The outer ring contains the text "WILLIAM F. STURKE" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the word "LICENSE" at the top, the license number "No. 22150" in the center, and "STATE OF FLORIDA" at the bottom, also separated by two stars.

This item has been digitally signed and sealed by William F. Stuhke on the date adjacent to this seal. Printed copies of the document are not considered signed and sealed and the signature must be verified on any electronic copies.

Digitally
signed by
William
Stuhrke

Date:
2024.07.31
13:28:09 -04'00'

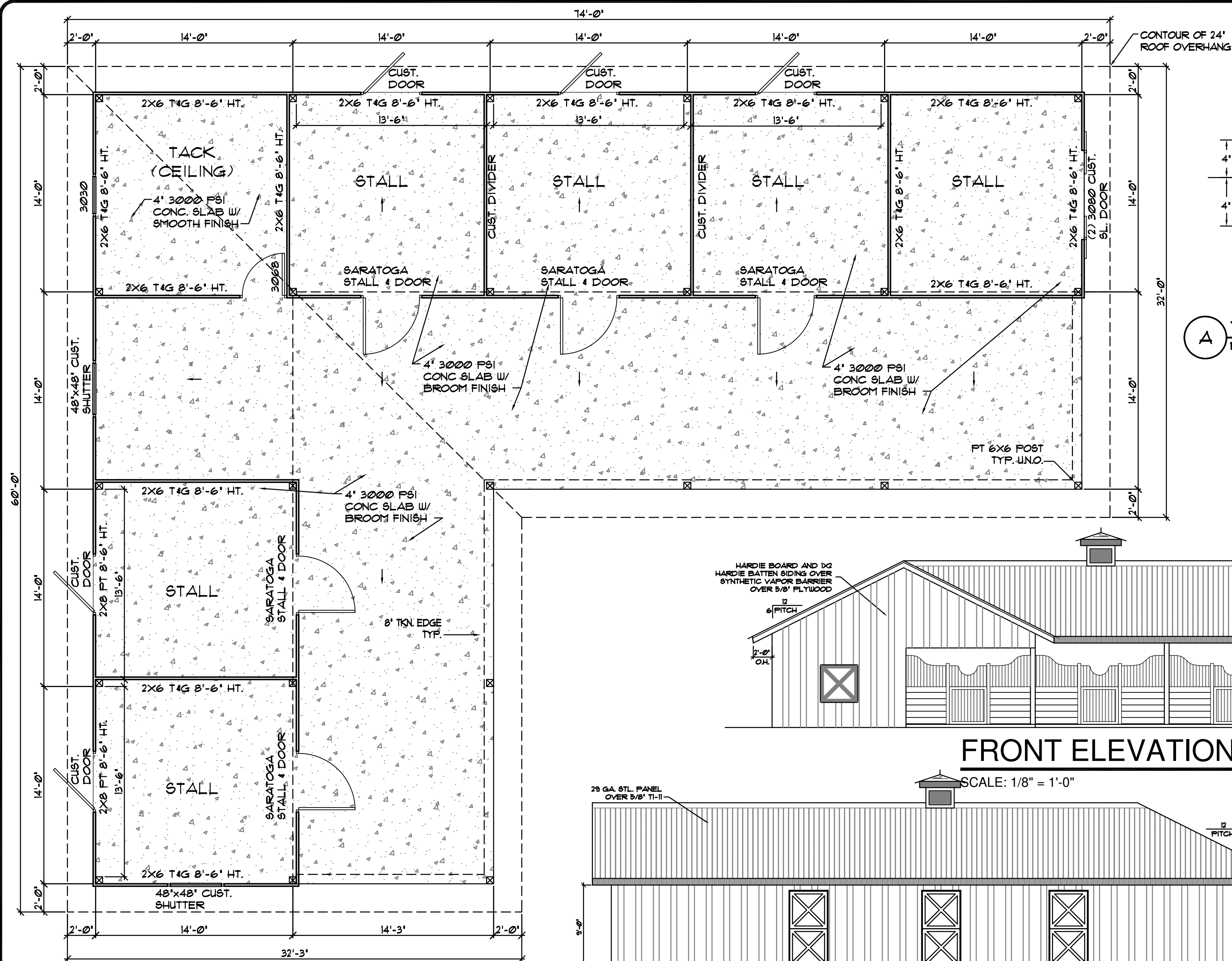
ENGINEERING

William F. Stuhrke, PhD, P.E.
State of Florida PE # 22150
 12215 Rebeccas Run Dr.
 Winter Garden, FL 34787
 Phone (407) 920-3119
wfstuhrke@gmail.com

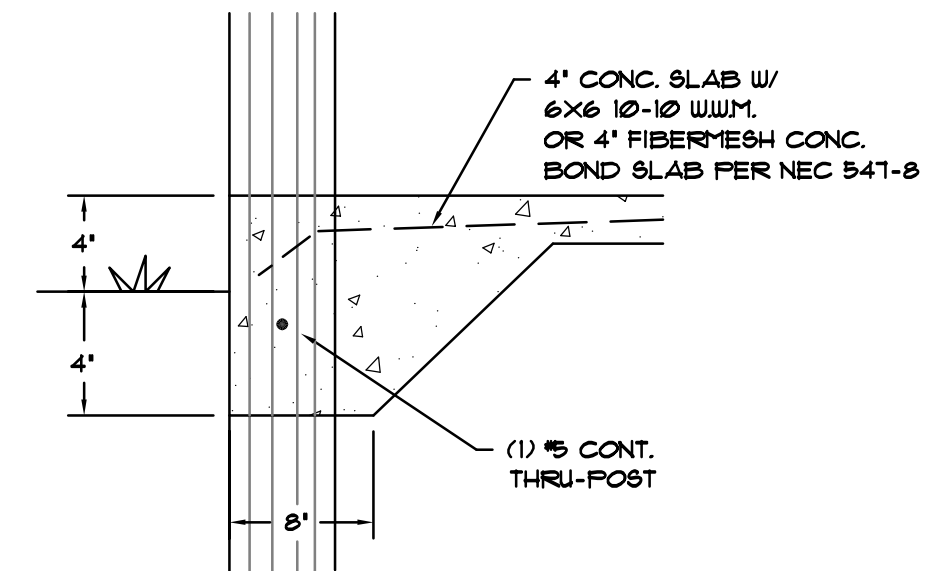
DRAWING NUMBER
202400023

SITE PLAN

SCALE: 1" = 50'-0"



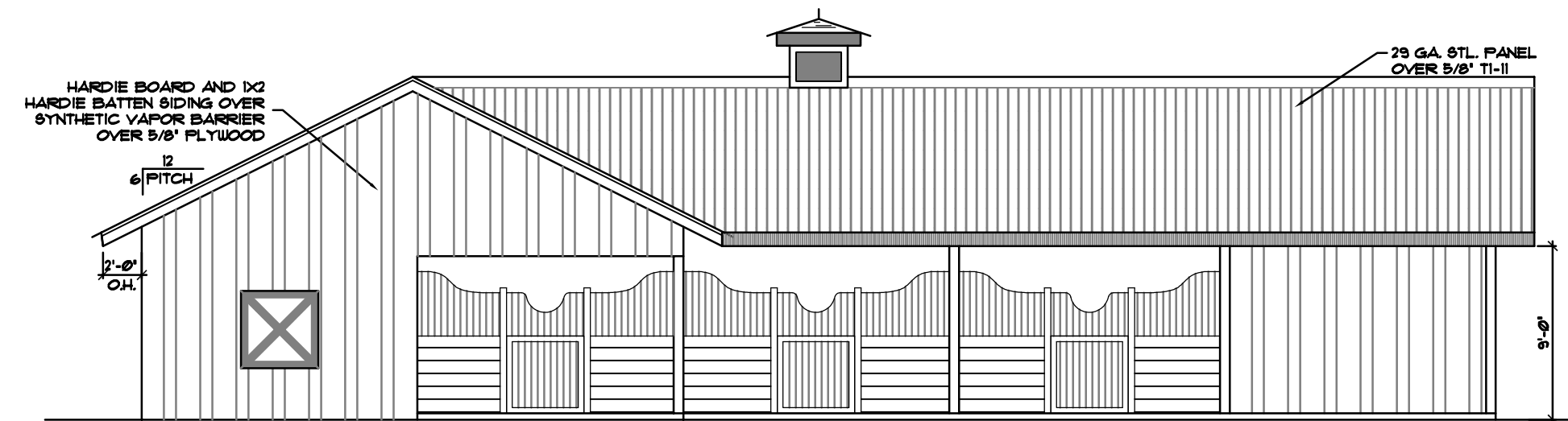
NOTE:
FOR DOOR AND WINDOW PRESSURE
REQUIREMENTS SEE SHEET DS-01 - 'WIND
REQUIREMENTS COMPONENTS AND CLADDING'



A

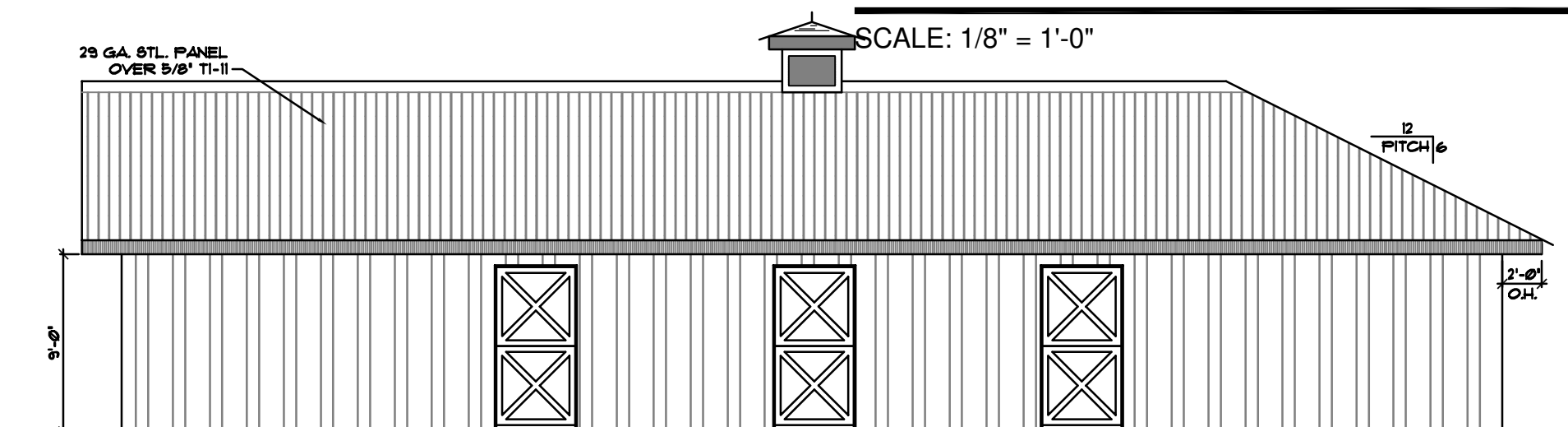
 TYP. TKN. EDGE

 N.T.S.



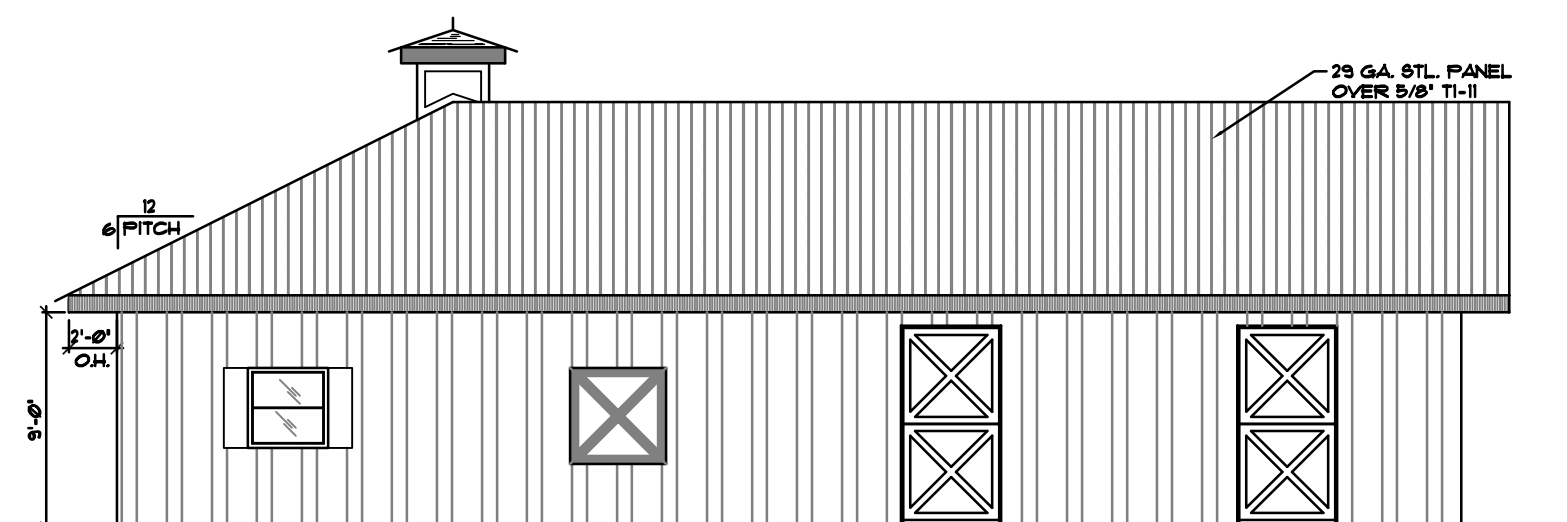
FRONT ELEVATION

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



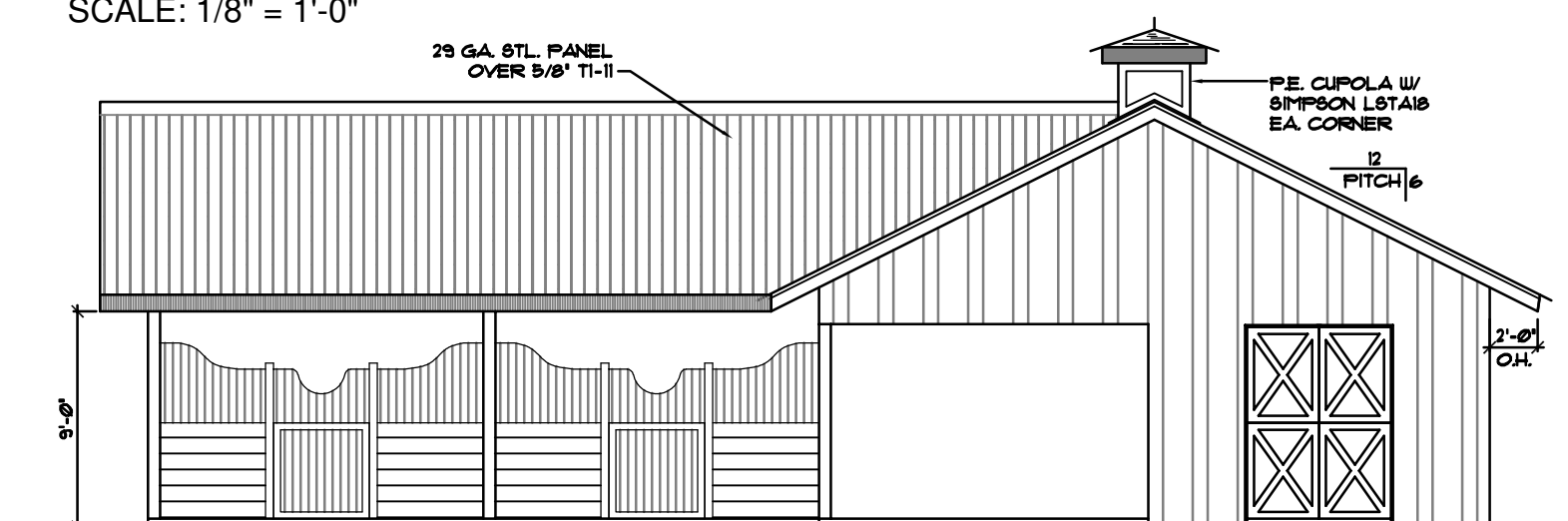
REAR ELEVATION

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



LEFT ELEVATION

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



RIGHT ELEVATION

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



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202400023

[illegible]

REVISIONS

THIS STRUCTURE HAS BEEN DESIGNED TO MEET OR EXCEED THE 140 MPH V_W3 SECOND GUST AND 108 MPH V_W10 MIN LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE 2013 EDITION AND ASCE 7.

Greenleaf
Design Services, Inc.
3311 W. MARTIN ST. LONGWOOD, FL 32750

PROJECT: MOURAS BARN
735 SW STERLING TER.
HIGH SPRINGS, FL 32038

SHEET TITLE

**FLOOR PLAN
AND ELEVATIONS**

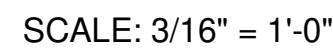
CHKD:  DRAWN BY: MIKE D

PLOT DATE: 7/31/2024

DRAWING NAME:

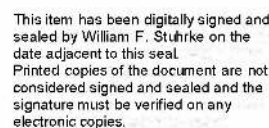
SHEET
NUMBER
A-02
- OF -

SIGN & SEAL



DRAWING NUMBER
202400023

SIGN & SEAL



2024.07.31
13:29:31
-04'00'

REVISIONS

DOWN = 25' x 14' x 9' = 3150*

(1) 5/8" BOLT = 1130*

(18) 16d's AT 149# = 2682*

= 3812* PROV.

NOTE:
FOR DOOR AND WINDOW PRESSURE
REQUIREMENTS SEE SHEET DS-01 - "WIND
REQUIREMENTS COMPONENTS AND CLADDING"

-(10) 16d EA. FACE
EACH SIDE
6X6 POST

DOWN = 25' X 14' X 14' = 4900#
(40) 16d's AT 149# = 5960# PROV.



— (10) 16d's EACH FACE,
EACH SIDE

—(8) 16d's EACH SIDE

12
PITCH

29 GA. STL. FNL. OVER (2)
LAYERS SYNTHETIC VAPOR
BARRIER OVER 5/8" TI-II.

— DBL. 2X12 #2 SYF
RAFTERS

— (1) 5/8" BOLT & (9) 16d's
EACH SIDE TYP.

4X6 PURLIN BLOCK TYP.-

2X6 #2 SYP FUR INS 24' O/C-

3'-0'

— DBL. 2X6 KNEE
BRACE TYP.

— 3/4" GUSSET PLATE EA. SIDE
OR 2X8 PLATE EACH SIDE W.
(8) 16d's EA. SIDE AS SHOWN

2X6 GIRTS 24' O/C MAX.
AT GABLE ENDS

- 4" 3000 PSI CONC. W/ 6X6
10-10 WWM OR FIBERMESH
CONC.

— SEE SHEET A-02 FOR
THICKENED EDGE DETAIL

9'-0"

4'-Ø'

THIS STRUCTURE HAS BEEN DESIGNED TO MEET OR EXCEED THE 140 MPH V_{at} 3 SECOND GUST AND 100 MPH V_{wp} WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE 2013 EDITION AND ASCE 7.

Greenleaf
Design Services, Inc.
1331 W. MARTIN ST. LONGWOOD, FL 32750

PROJECT:

T. MOURAS BARN

735 SW STERLING TER.

HIGH SPRINGS, FL 32038

SHEET TITLE

BUILDING
SECTIONCHKD: ☐ DRAWN BY: ☐

PLOT DATE: 7/31/2024

SHEET
NUMBER
A-04

N & SEAL

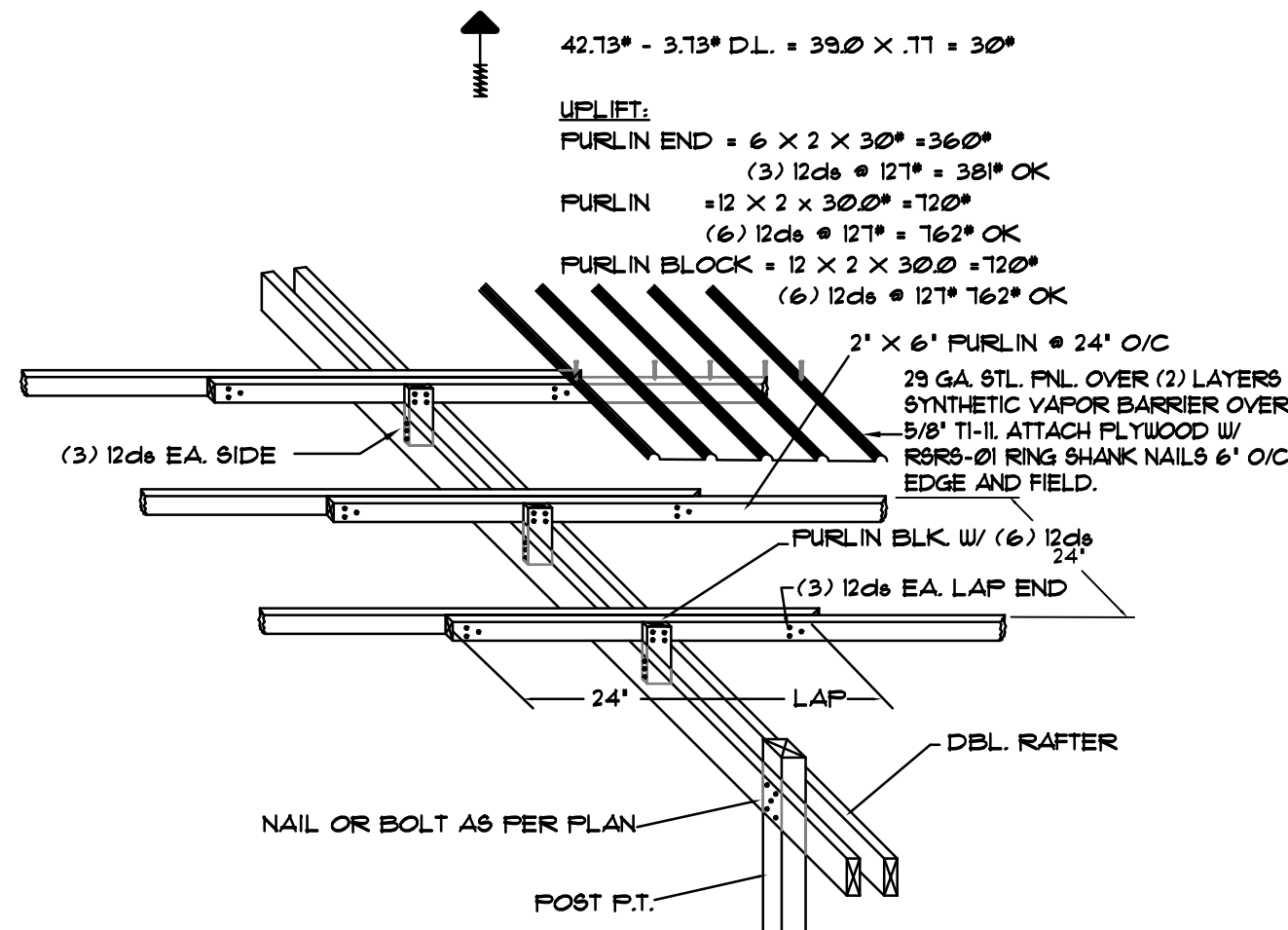
ENGINEERING

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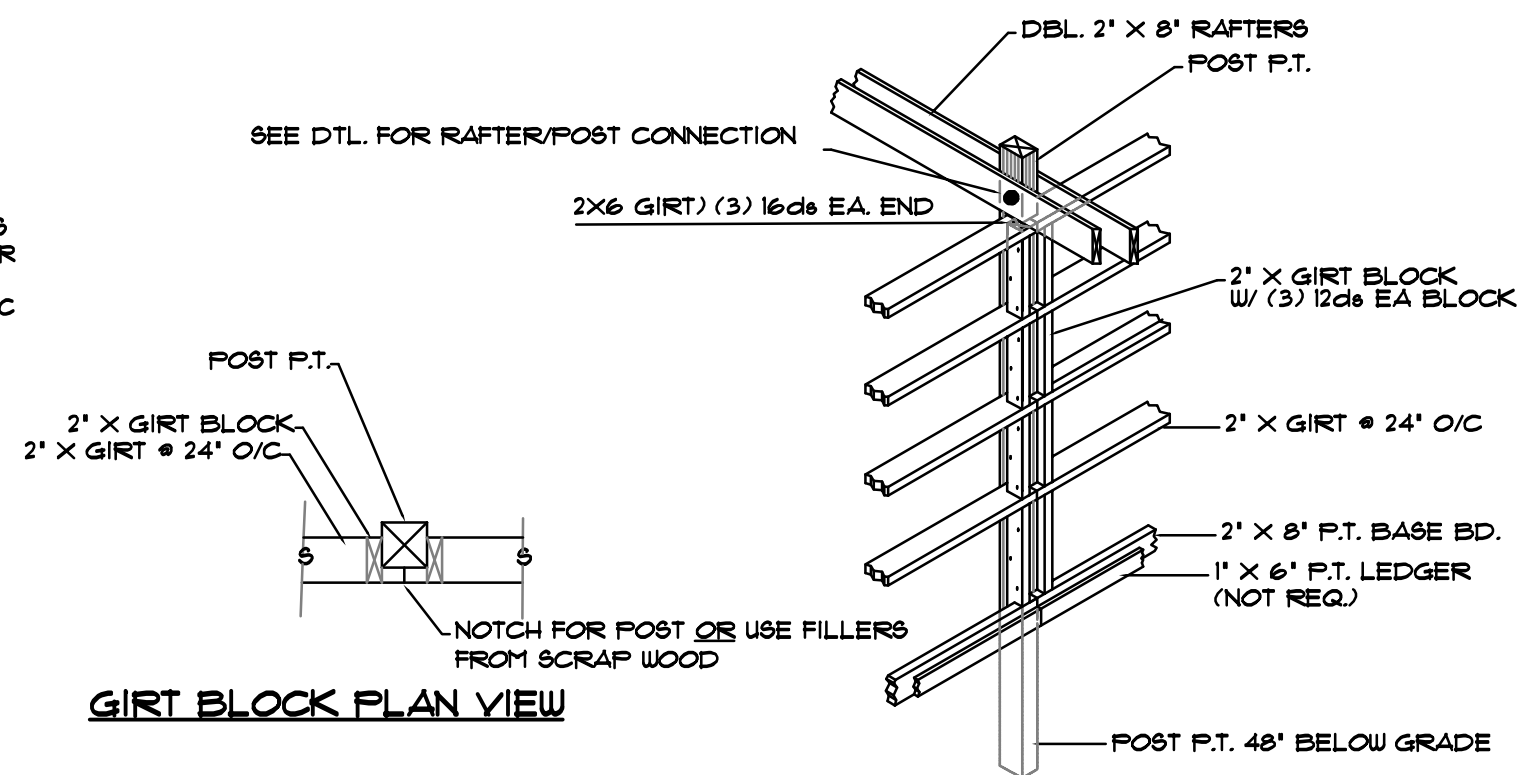
DRAWING NUMBER
202400023

BUILDING SECTION

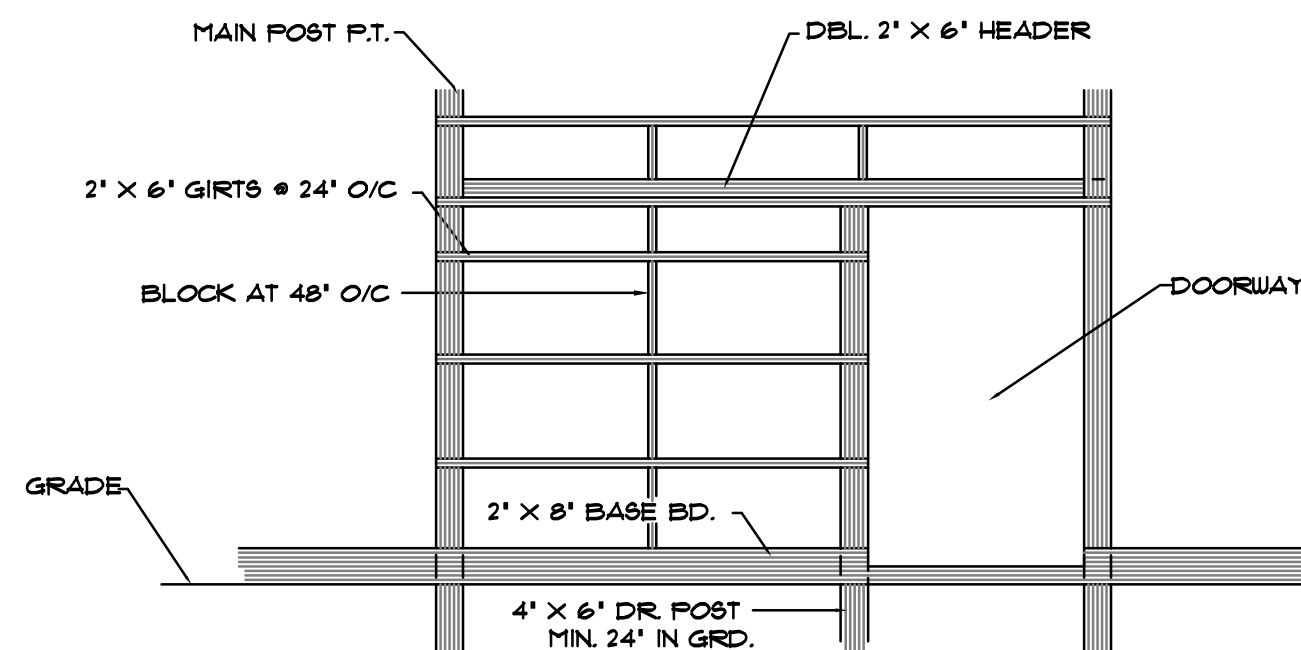
SCALE: 1/2" = 1'-0"



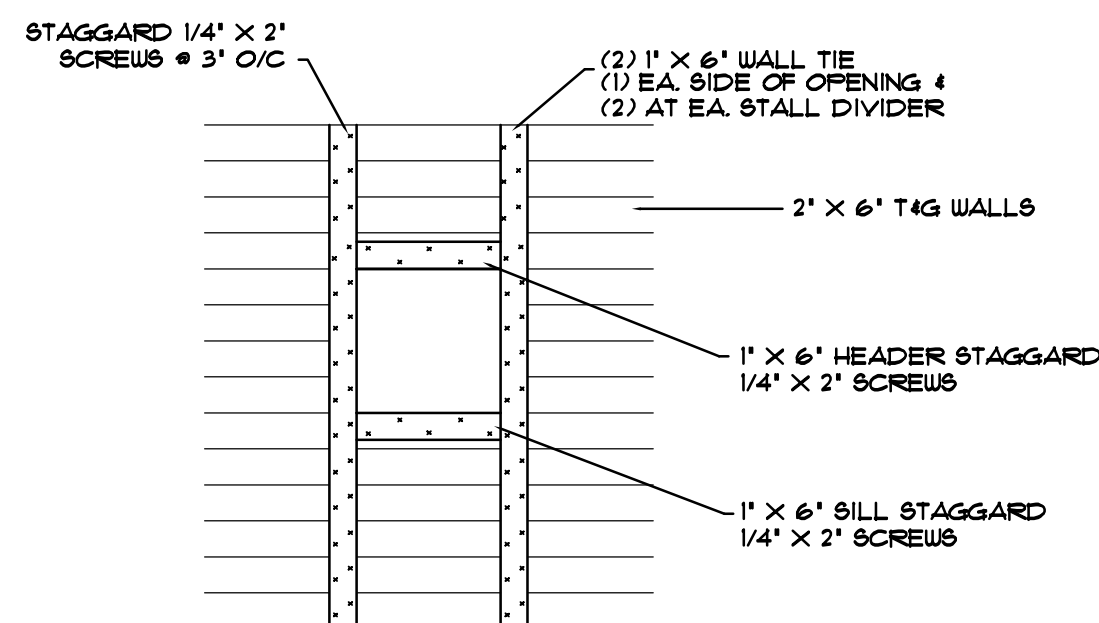
A 12 FT. BAY PURLIN SPLICE DTL.
N.T.S.



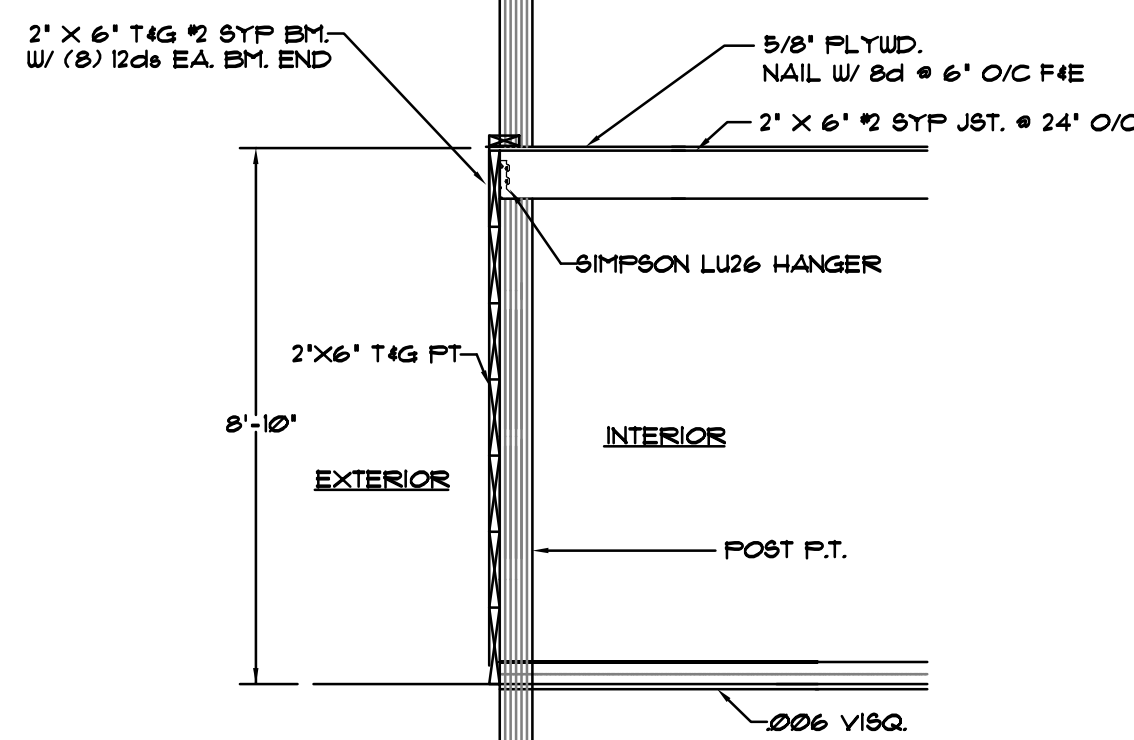
B GIRT BLOCK DETAIL
N.T.S.



C SCREW PLACEMENT PLAN
N.T.S.



D DOOR FRAMING DTL.
N.T.S. (AT TACK ROOM)



E WINDOW FRAMING DTL.
N.T.S.

F TACK / FEED ROOM CEILING DETAIL
N.T.S.

FLORIDA PRODUCT APPROVALS

METAL FNL. SIDING: 29 GA. MID FL. METAL ROOFING SUPPLY FL. #31391.1
METAL FNL. ROOFING: 29 GA. MID FL. METAL ROOFING SUPPLY FL. #23492.1
WINDOWS: PGT WINDOWS FL. 239.2
DOORS - THERMA-TRU - FL21135.1
UNDERLAYMENT - LEVI'S BUILDING COMPONENTS FL #41620-R1

WIND REQUIREMENTS

BASIC WIND SPEED = 140 MPH (3 SEC. GUST)

BLDG. CATEGORY = I

WIND IMPORTANCE FACTOR = 0.11

WIND EXPOSURE CATEGORY = B

DESIGN WIND LOADS:

WALLS = +23.8 -28.93 PSF

ROOF = +11.16 -37.05 PSF

COMPONENTS & CLADDING:

WALLS = +27.14 -33.18 PSF

ROOF = +12.98 -42.13 PSF

3030 WDW. = +35.3 -47.2 PSF

4080 DR. = +33.7 -44.0 PSF

3068 DR. = +35.3 -38.2 PSF

ROOF LOADS:

L.L. = 20*

D.L. = 05*

BLDG. CLASSIFICATION:

*

GENERAL NOTES:

- 1.) ALL LUMBER TO BE #2 S.Y.F.
- 2.) BEARING POSTS TO BE 06 PCF C.C.A. OR 06 PCF ACQ.
- 3.) NAILS TO BE 131 X 12d GALV. GUN NAILS.
- 4.) BOLTS TO BE A307 W/ WASHERS.
- 5.) IF ACQ TREATED LUMBER IS USED, NAILS TO BE HOT V. DIPPED GALV.

ENGINEERING

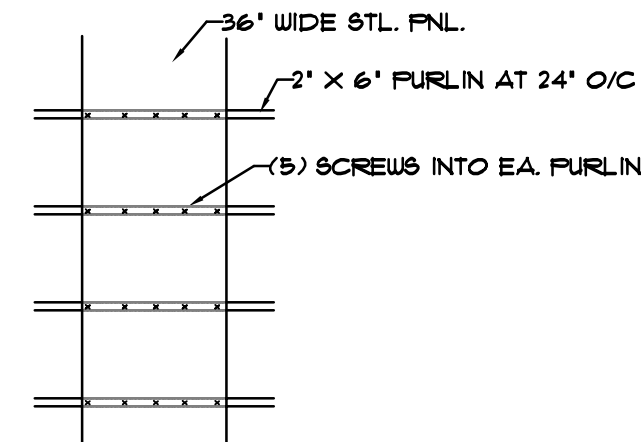
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Greenleaf
DESIGN SERVICES, INC.
2024.07.31 13:29:56 -04'00'

PROJECT: MOURAS BARN
135 SW STERLING TER.
HIGH SPRINGS, FL 32038

SHEET TITLE
DETAILS

CHD: DRAWN BY: MIKE D
PLOT DATE: 7/31/2024
DRAWING NAME: DS-01/DETAILS.dwg

SHEET NUMBER
DS-01
- OF -

SIGN & SEAL