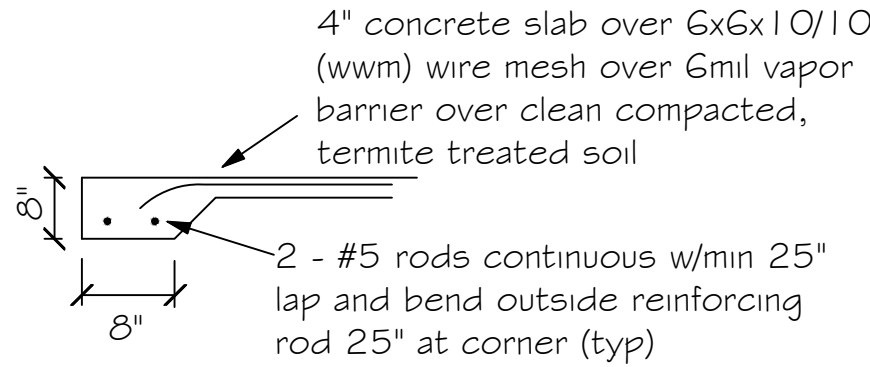


DESIGN SPECIFICATIONS

- DESIGN CODES:
2023 FLORIDA BUILDING CODE (FBC),
8TH EDITION
- OCCUPANCY: STORAGE/UTILITY
- DESIGN LOADS:
ROOF CONVENTIONAL FRAMING:
LL 20 PSF RAFTERS
LL 20 PSF CEILING JOISTS
DL 10 PSF RAFTERS
DL 10 PSF CEILING JOISTS
DL 30 PSF ATTICS WITH STORAGE
DL 10 PSF ATTICS W/O STORAGE
- FLOORS:
LL 40 PSF TOP CHORD
LL 0 PSF BOTTOM CHORD
DL 10 PSF TOP CHORD
DL 5 PSF BOTTOM CHORD
- NUMBER OF STORIES: 1
- TYPE OF CONSTRUCTION: TYPE V-G,
UNPROTECTED, UNSPRINKLERED
- WIND ZONE INFORMATION
BUILDING: ENCLOSED STRUCTURE
ULTIMATE DESIGN WIND SPEED: 130
MPH
NOMINAL DESIGN WIND SPEED: 110
MPH
BUILDING RISK CATEGORY: II
WIND EXPOSURE CATEGORY: C
INTERNAL PRESSURE COEFFICIENT:
0.18 $C_{Gp1} \pm$

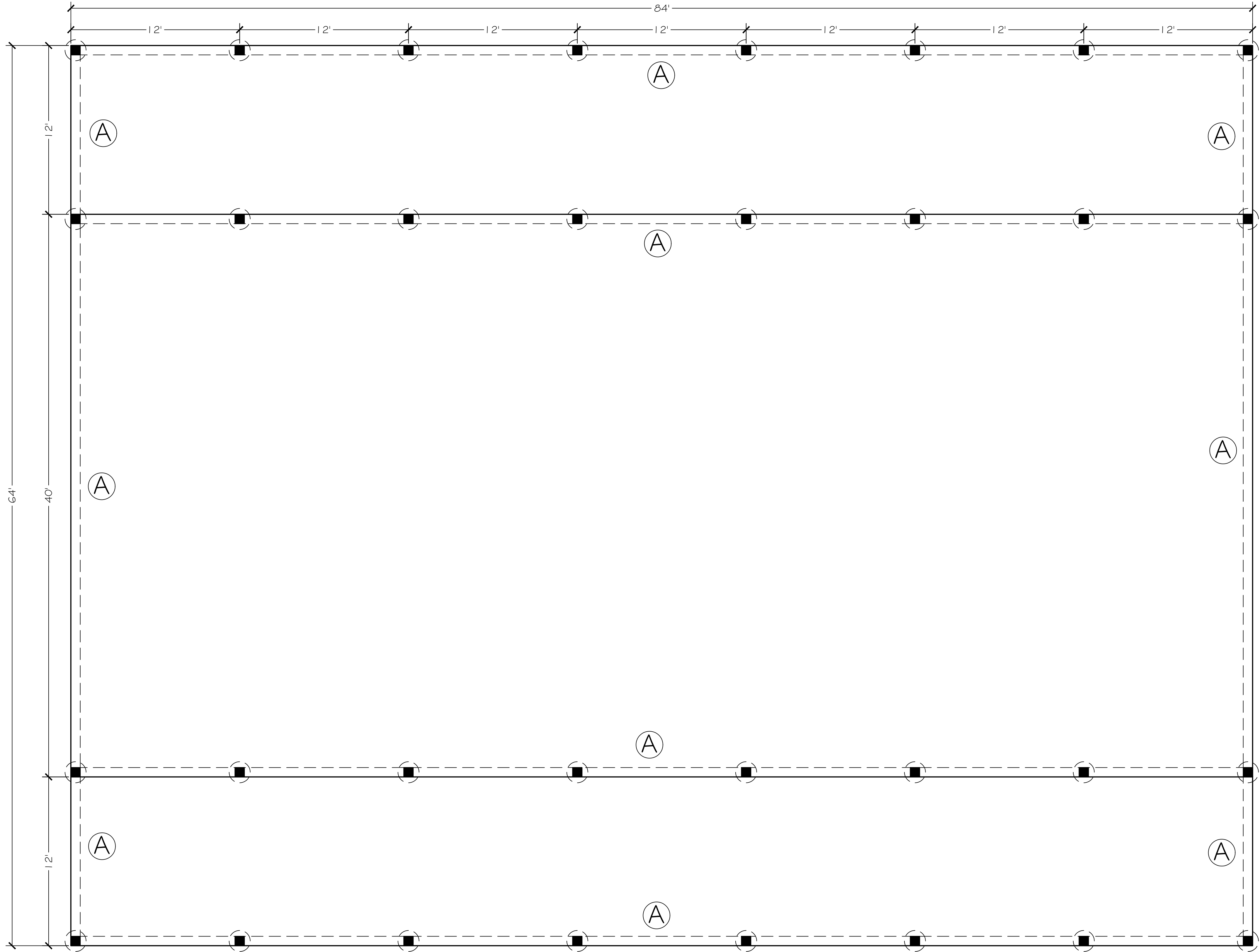


A Monolithic slab detail

ENGINEER'S NOTE:
SEE SHEET S-2 FOR POST
FOUNDATION DETAIL

FOUNDATION NOTES

- REFER TO ARCHITECTURAL & BUILDING PLANS FOR ACTUAL
DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC.
- CONTRACTOR SHALL VERIFY ALL ROUGH PLUMBING LOCATIONS
WITH OWNER PRIOR TO POURING SLAB
- THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED w/
6x6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS 1 1/2" DEPTH
OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 6"
LAPS SEALED w/ POLY TAPE OVER TERMITE-TREATED &
COMPACTED FILL
- BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12"
BELOW UNDISTURBED SOIL OR ENGINEERED FILL
- SOIL UNDER FOOTING SHALL BE COMPRESSED TO 2000 PSF AT
95% DENSITY. CONCRETE STRENGTH SHALL BE 2500 PSI.



FOUNDATION PLAN

SCALE: 1/4" = 1'

Digitally signed
by Carol
Chadwick
DN: c=US,
o=Florida,
dnQualifier=A01
4100000001804
6384E7500032FE
E.cn=Carol
Chadwick
Date: 2024.09.03
12:11:43 -0400

This item has been digitally signed and sealed by Carol Chadwick, P.E., on the
date apparent to the seal. Printed copies of this document are not considered
signed and sealed and this signature must be verified on any electronic copies.

CAROL CHADWICK, P.E. Professional Engineer No. 6384E7500032FE State of Florida Exp. 12/31/2026	
REVIEWED FOR JOHN P. CHADWICK P.E. PCHC@bellsouth.net	
PRITCHARD POLE STRUCTURE FOUNDATION PLAN 670 SW MAULDIN AVENUE, LAKE CITY, FL	
DATE: 09/03/24	TIME: 12:11:43
DESIGNER: JC	SCALE: 1/4" = 1'
SHEET 5-1	

ENGINEER'S NOTE:
TRUSS DESIGN BY OTHERS

GENERAL NOTES:

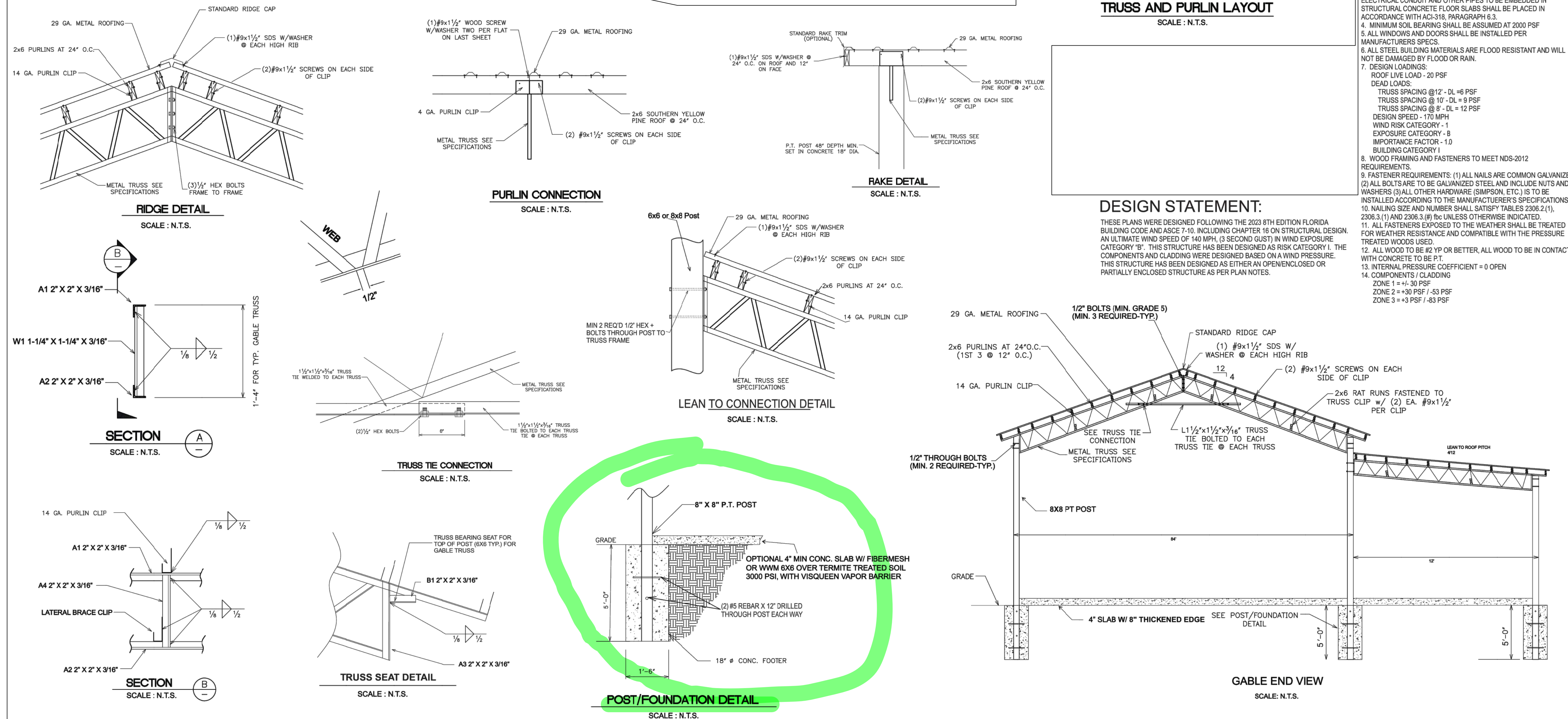
1. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE 2023 8TH EDITION FLA BUILDING CODE AND ASCE 7-10 WIND CODES FOR AN ULTIMATE WIND SPEED OF 140 MPH AND GREATER. THESE PLANS INCLUDE DESIGN FOR ALL WIND SPEEDS UP TO AN INCLUDING 140 MPH ULTIMATE WIND SPEED.
2. ALL ROOFING TO BE MIN 29 GAUGE OR BETTER, ATTACHED TO PURLINS AS SHOWN.
3. ALL CONCRETE WORK SHALL BE 3000 PSI AT 28 DAYS. CONTROL JOINTS SHALL BE CUT AT DISTANCES NO GREATER THAN 15' ELECTRICAL CONDUIT AND OTHER PIPES TO BE EMBEDDED IN STRUCTURE.
4. ALL STEEL BUILDING MATERIALS SHALL BE SPRAVED IN ACCORDANCE WITH ACI-318, PARAGRAPH 6.3.
5. MINIMUM SLO. BEARING SHALL BE ASSUMED AT 2000 PSF
6. ALL WINDOWS AND DOORS SHALL BE INSTALLED PER MANUFACTURERS SPECS.
7. ALL STEEL BUILDING MATERIALS ARE FLOOD RESISTANT AND WILL NOT BE DAMAGED BY FLOOD OR RAIN.
8. DESIGN LOADINGS:
 - ROOF LIVE LOAD - 20 PSF
 - DEAD LOADS:
 - TRUSS SPACING @ 12' - DL = 8 PSF
 - TRUSS SPACING @ 10' - DL = 9 PSF
 - TRUSS SPACING @ 8' - DL = 12 PSF
 - DESIGN SPEED - 170 MPH
 - WIND RISK CATEGORY - 1
 - EXPOSURE CATEGORY - B
 - IMPORTANCE FACTOR - 1.0
 - BUILDING CATEGORY I
9. WOOD FRAMING AND FASTENERS TO MEET NDS-2012 REQUIREMENTS.
10. FASTENER REQUIREMENTS: (1) ALL NAILS ARE COMMON GALVANIZED (2) ALL BOLTS ARE 1/2" DIA GALVANIZED STEEL AND INCLUDE NUTS AND WASHERS AND ALL OTHER HARDWARE (SIMPSON, ETC.) IS TO BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS
11. NAILING SIZE AND NUMBER SHALL SATISFY TABLES 2306.2(1), 2306.3(1) AND 2306.3(9) UNLESS OTHERWISE NOTED.
12. ALL FASTENERS EXPOSED TO THE WEATHER SHALL BE TREATED FOR WEATHER RESISTANCE AND COMPATIBLE WITH THE PRESSURE TREATED WOODS USED.
13. ALL WOOD TO BE #2 YP OR BETTER, ALL WOOD TO BE IN CONTACT WITH CONCRETE TO BE P.T.
14. INTERNAL PRESSURE COEFFICIENT = 0 OPEN
15. COMPONENTS / CLADDING
 - ZONE 1 = +/- 30 PSF
 - ZONE 2 = +30 PSF / -53 PSF
 - ZONE 3 = +30 PSF / -83 PSF

TRUSS AND PURLIN LAYOUT

SCALE : N.T.S.

DESIGN STATEMENT:

THESE PLANS WERE DESIGNED FOLLOWING THE 2023 8TH EDITION FLORIDA BUILDING CODE AND ASCE 7-10. INCLUDING CHAPTER 16 ON STRUCTURAL DESIGN. AN ULTIMATE WIND SPEED OF 140 MPH, (3 SECOND GUST) IN WIND EXPOSURE CATEGORY "B". THIS STRUCTURE HAS BEEN DESIGNED AS RISK CATEGORY 1. THE COMPONENTS AND CLADDING WERE DESIGNED BASED ON A WIND PRESSURE. THIS STRUCTURE HAS BEEN DESIGNED AS EITHER AN OPEN/ENCLOSED OR PARTIALLY ENCLOSED STRUCTURE AS PER PLAN NOTES.



Digitally signed by
Carol Chadwick
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o=Florida,
ou=Qualifier=A0141
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cn=Carol
Chadwick
Date: 2024.09.03
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