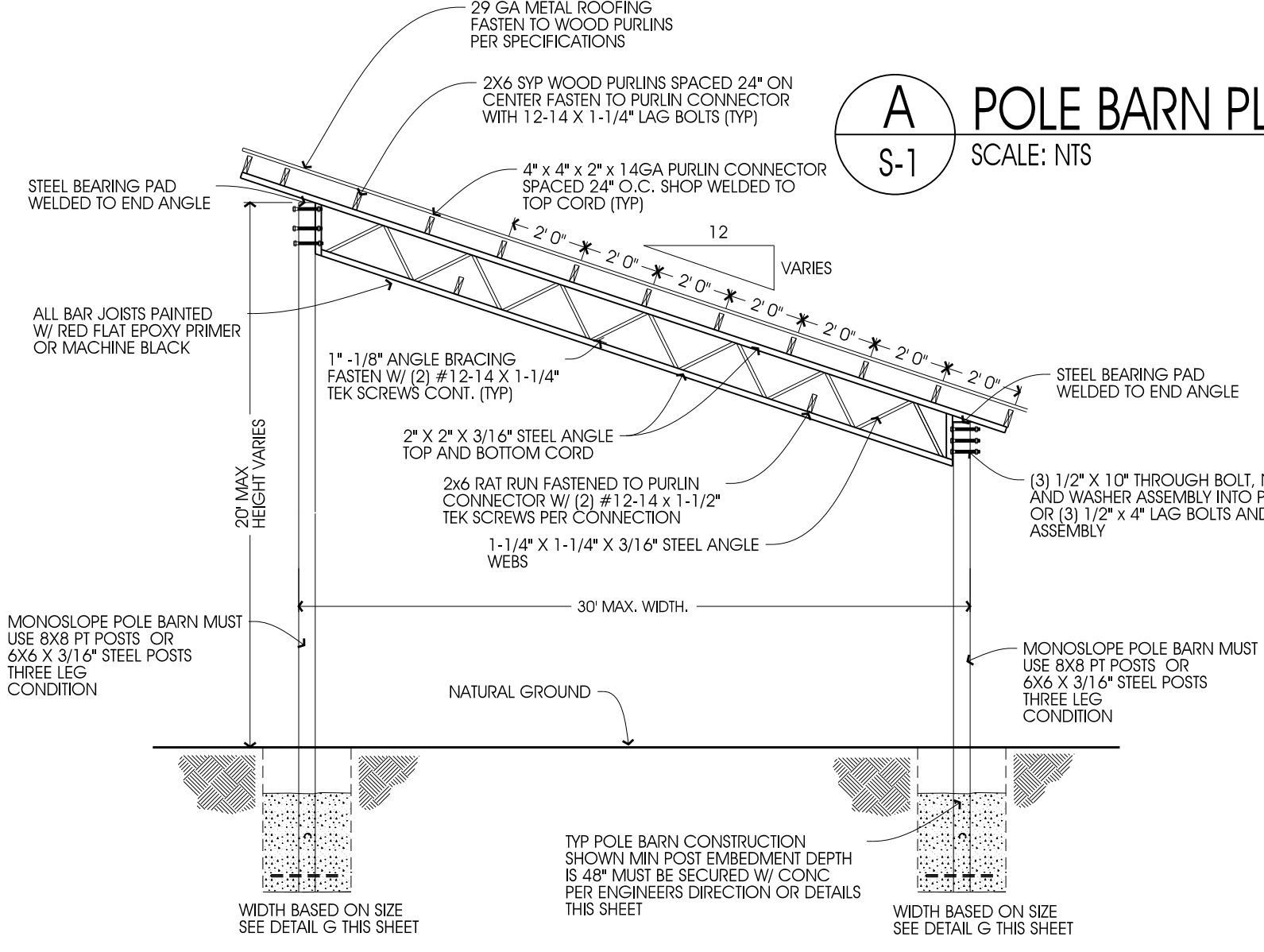
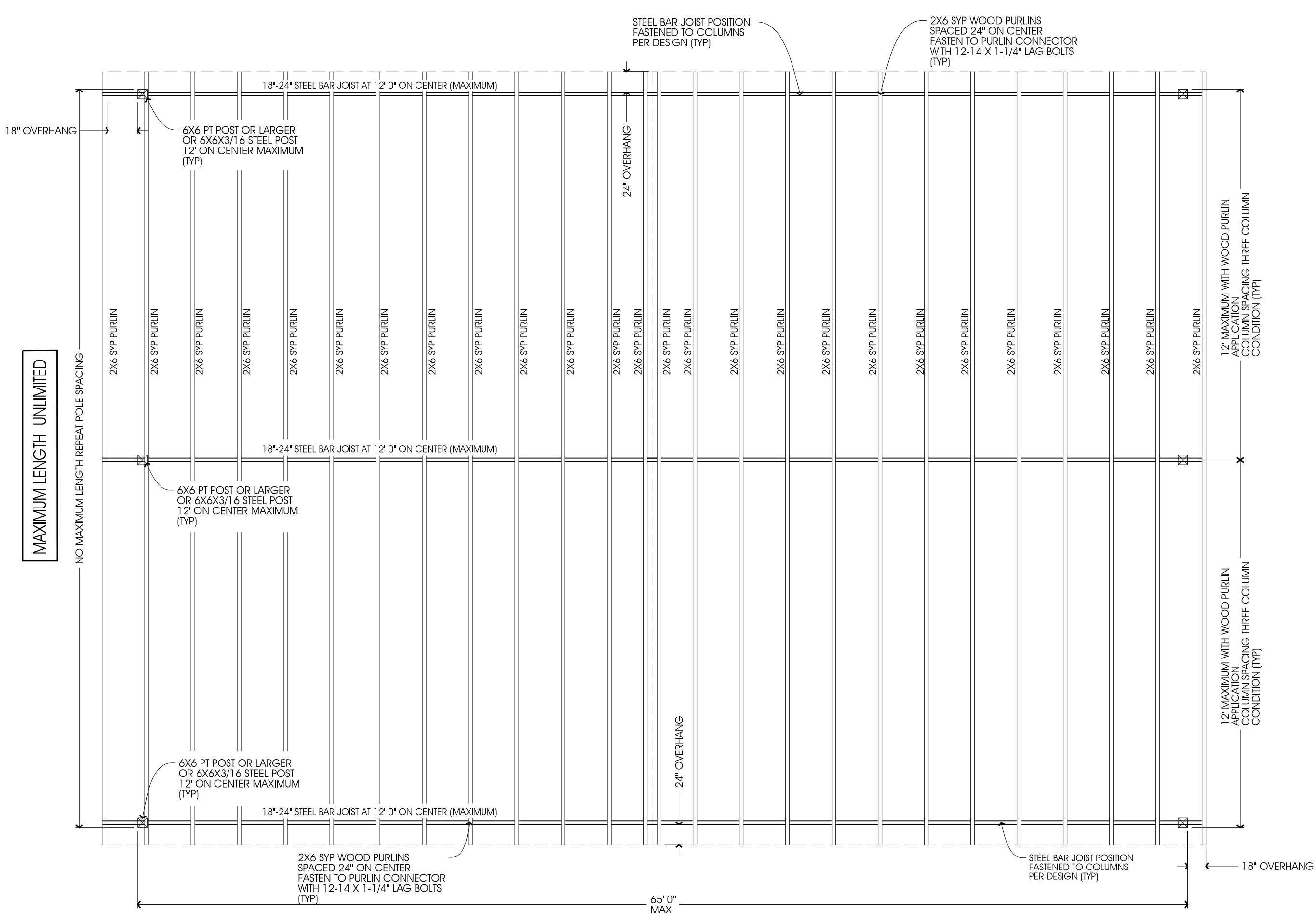
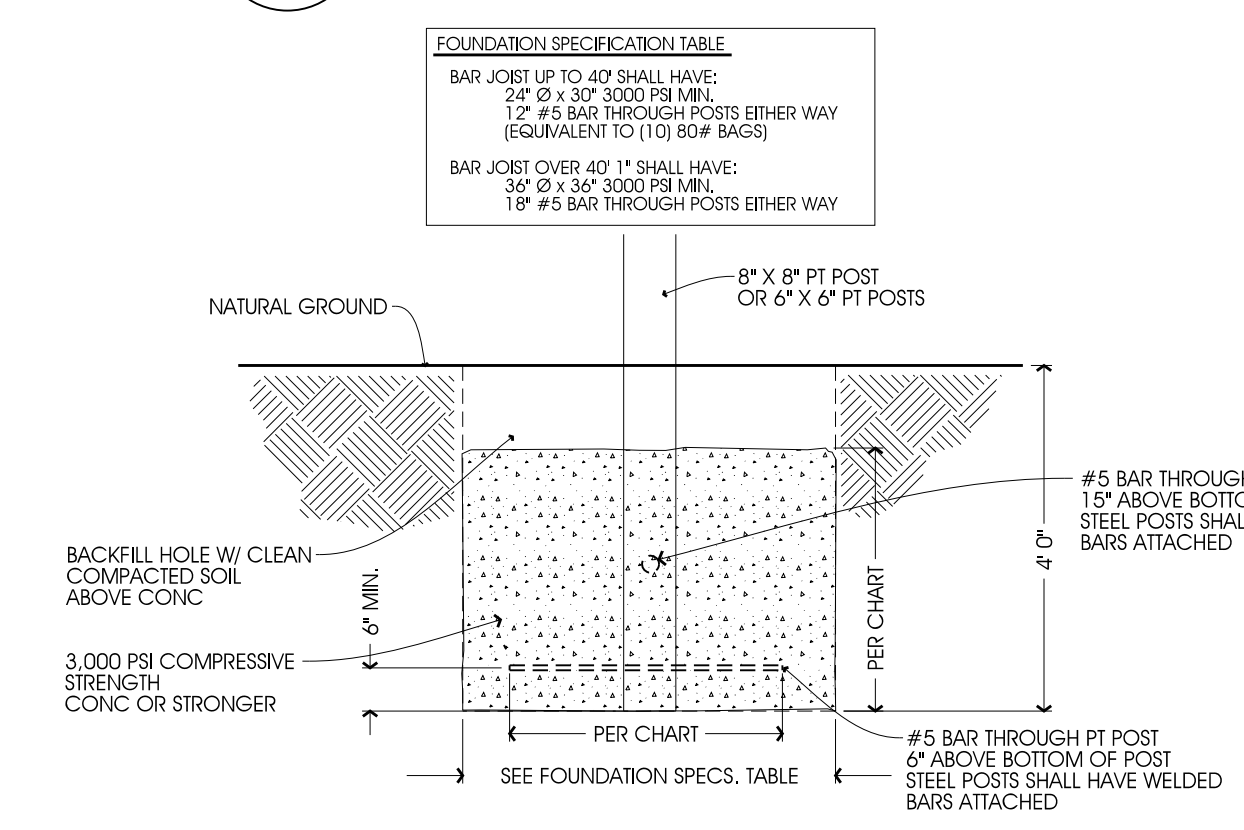


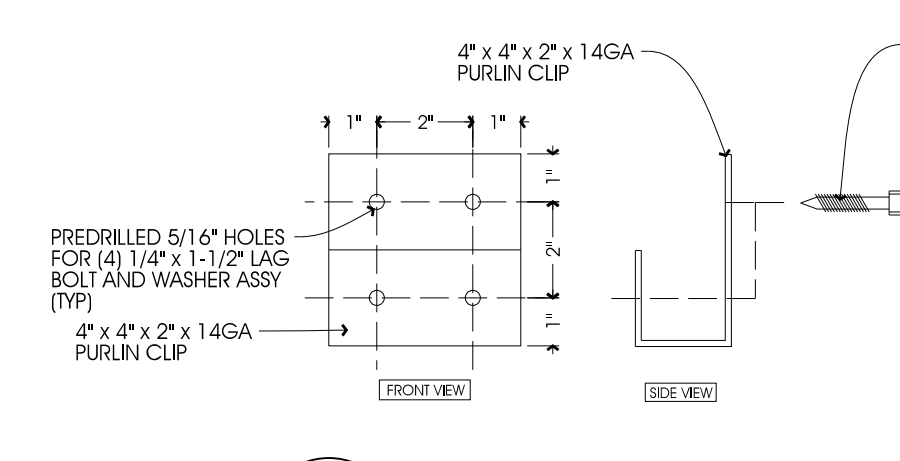
***THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MICHAEL J. WOJTUNIAK, P.E. FOR ONE SITE SPECIFIC PROJECT ONLY. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES. UNLESS THE RAISED SEAL HAS BEEN UTILIZED. ***



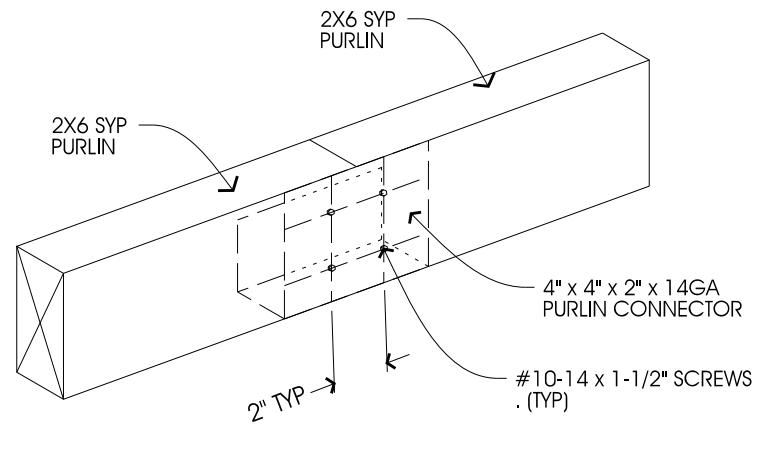
D POLE BARN MONOSLOPE OPTION
S-1 SCALE: NTS



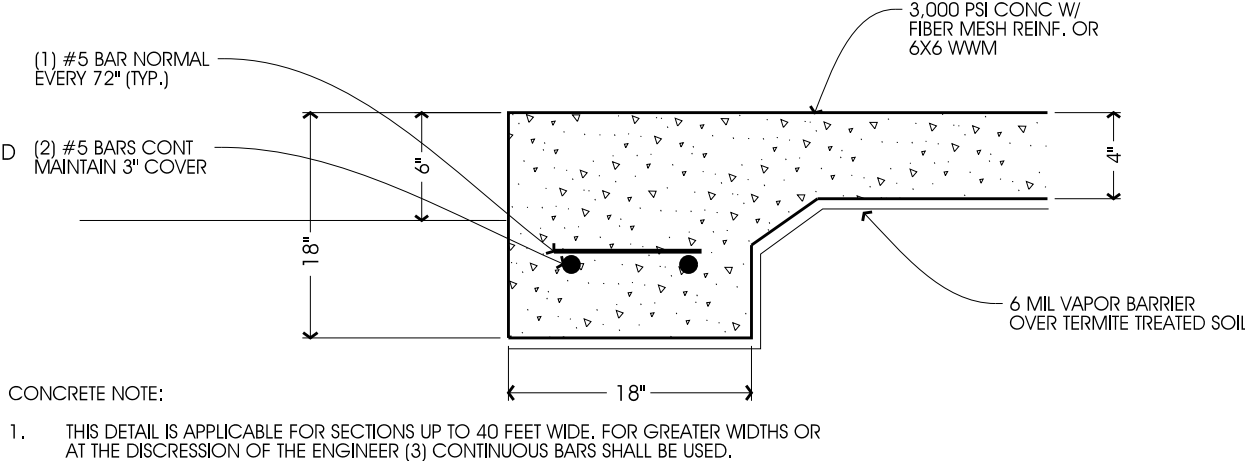
G ALL POLE MOUNTING DETAIL
S-1 SCALE: NTS



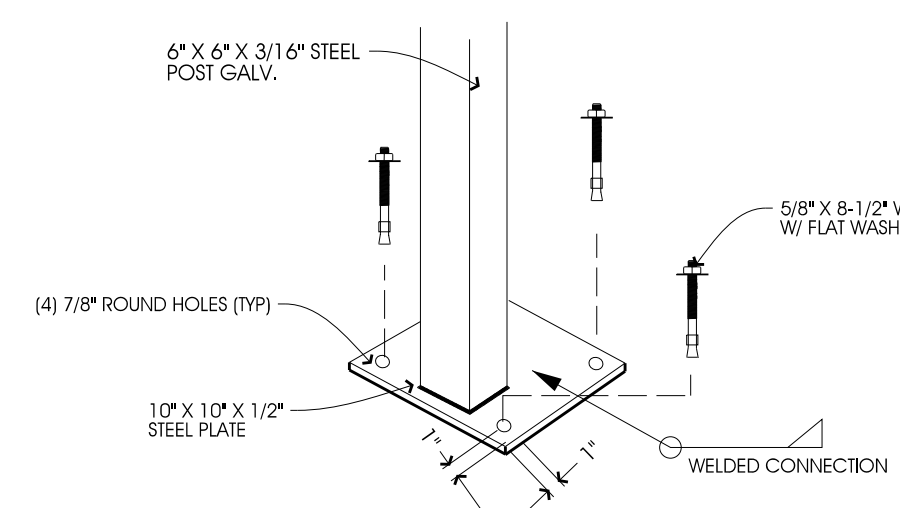
E WOOD PURLIN CLIP
S-1 NOT TO SCALE



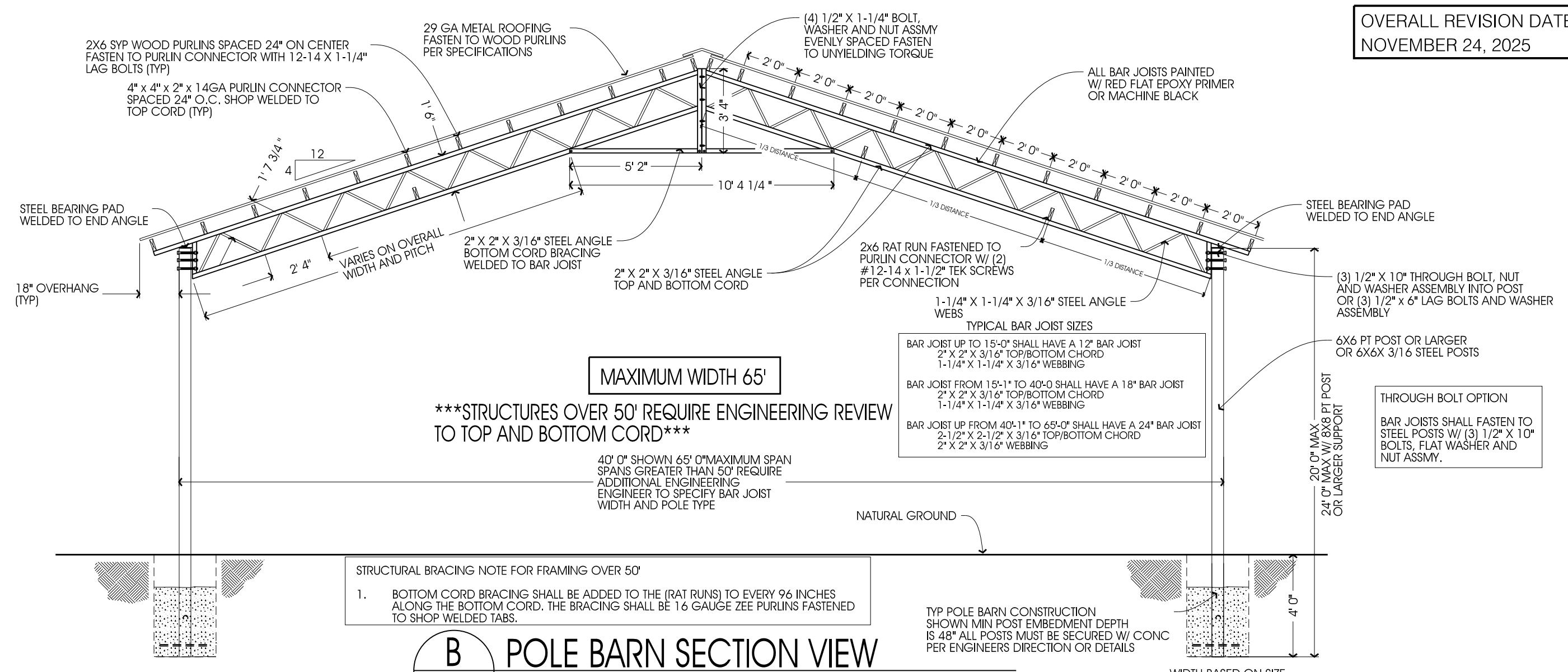
F WOOD PURLIN BUTT JOINT
S-1 NOT TO SCALE



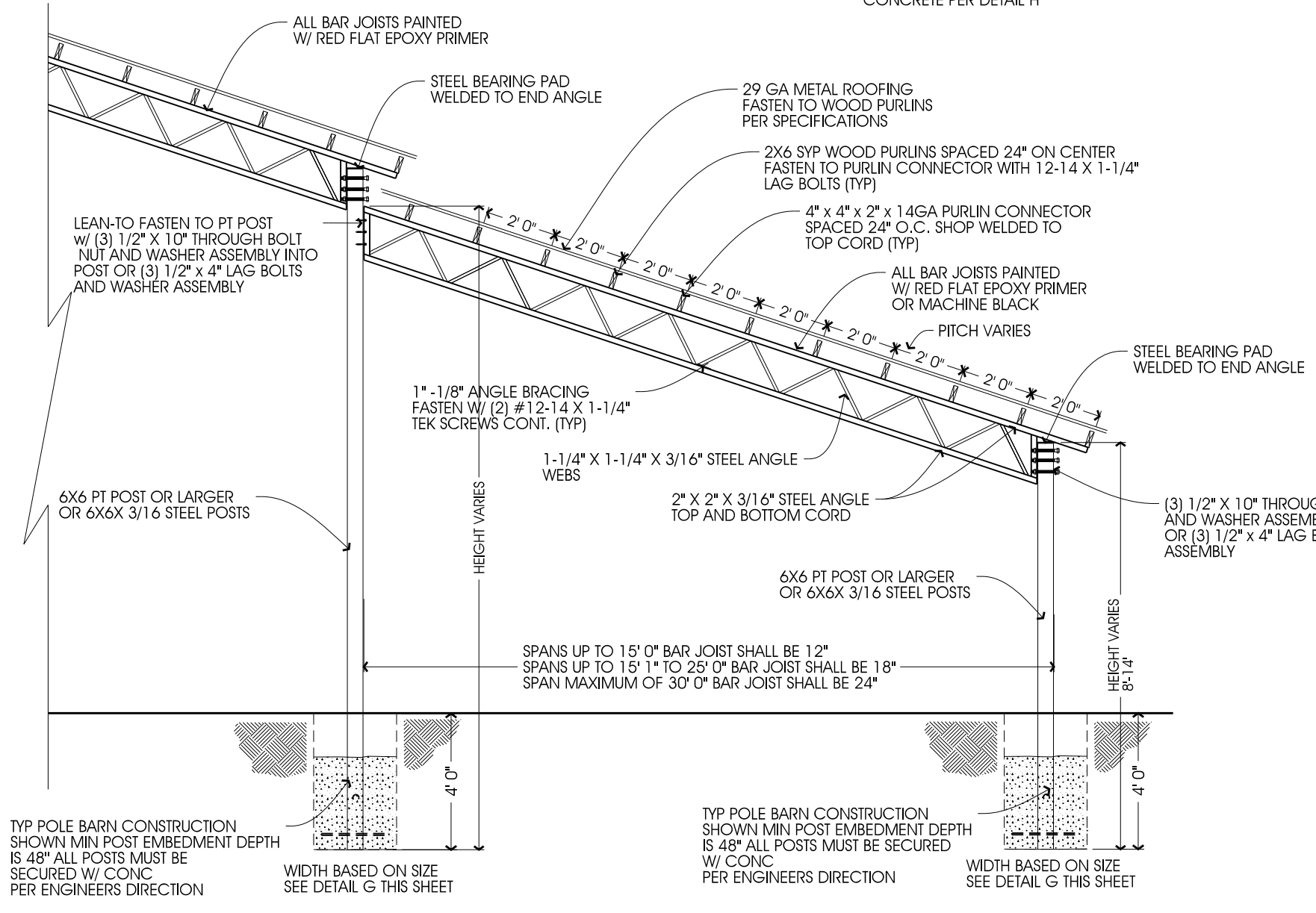
H OPTIONAL CONCRETE FOUNDATION
S-1 SCALE: NTS



I OPTIONAL POLE MOUNTING DETAIL
S-1 SCALE: NTS



B POLE BARN SECTION VIEW
S-1 SCALE: NTS



C OPTIONAL LEAN TO
S-1 SCALE: NTS

ENGINEERS NOTE ON FLORIDA BUILDING CODE COMPLIANCE:
THIS PLAN HAS BEEN ENGINEERED FOR A RISK CATEGORY II BUILDING WITHOUT A SITE PLAN/SURVEY. THIS BUILDING IS FOR AGRICULTURAL USE AND HAS NOT BEEN ENGINEERED FOR A RESIDENCE.
1) STRUCTURES USED AS CATEGORY II STRUCTURES (SINGLE FAMILY RESIDENCE OR OCCUPIED STRUCTURES) REQUIRE ADDITIONAL CODE COMPLIANCE BY A LICENSED DESIGN PROFESSIONAL.
2) THE SUBSEQUENT DESIGN PROFESSIONAL IS RESPONSIBLE FOR MAKING THE BUILDING COMPLIANT TO THE FLORIDA BUILDING CODE.
a. SPECIAL ATTENTION SHALL BE MADE TO FBC-R 703.2 WATER RESISTIVE BARRIER.

NOTE TO INSTALLER
1. INSTALLER SHALL ADD LATERAL BRACING DURING THE ERECTION PROCESS TO PREVENT BAR JOIST MOVEMENT.
STEEL NOTE:
THE DESIGN, FABRICATION, AND CREATION OF STRUCTURAL STEEL ELEMENTS SHALL BE IN ACCORDANCE WITH AISC 360 AND AISC CODE OF STANDARD PRACTICE, 2020.

ENGINEERS NOTE:
THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A SPECIFIC SITE PLAN FOR LOCATION CONSTRAINTS OR CONDITIONS. CONTRACTOR / BUILDING ERECTOR SHALL CONTACT ENGINEER IF SITE CONDITIONS EXISTING THAT PREVENT A TYPICAL CONTRICTION PER PLAN.

GENERAL NOTES
1. ALL CONCRETE WORK SHALL BE 3,000 P.S.I. AT 28 DAYS.
2. MINIMUM SOLE BEARING SHALL BE ASSUMED AT 2,000 P.S.I.
3. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE FLA. BLDG. CODE 2023 8TH EDITION AND ASCE 7-22 WIND CODES FOR AN ULTIMATE WIND SPEED OF 140 MPH.
4. ALL SIDING AND ROOFING TO MINIMUM OF 29 GAUGE ATTACHED TO THE COLUMNS AS SHOWN AND CONSIDERED TO BE A MIN. OF 3 SPAN.
5. FOR ZONE LOCATIONS SEE ASCE 7-22. THE VALUE OF 'P' SHALL BE A MINIMUM OF 3'-0". FOR ZONE LOADING SEE COMPONENTS AND CLADDING LOADING CHARTS THIS SHEET.
6. DESIGN LOADINGS:
DEAD LOAD = 5 PSF
ROOF LIVE LOAD = 20 PSF
WIND LOAD = PER TABLE
7. DOOR AND WINDOW DATA: SEE TABLE THIS SHEET.
8. ALL WINDOWS AND BARN DOORS MAY USE 1/4"x1" LONG TEK SCREWS IN LIEU OF THE WOOD SCREWS WHEN CONNECTING THE UNITS TO METAL FRAME. FOLLOW THE MANUFACTURERS SPECIFICATIONS FOR LOCATING CONNECTORS.
9. TYPE OF CONSTRUCTION TYPE B-B
10. ADDITIONAL BRACES REQUIRED ONLY REQUIRED WITH WIND SPEEDS GREATER THAN OR EQUAL TO 150 MPH OR AS CALLED OUT ON PLANS.
11. ALL WELDS ARE CONTINUOUS WELDS DONE AT THE FACTORY.
12. MISSION METALS MANUFACTURING IS NOT RESPONSIBLE FOR FAILURES OF OR INDUCED BY MATERIALS NOT PROVIDED BY MISSION METALS MANUFACTURING: FRAMEWORK, METAL SIDING, METAL ROOFING, FASTENERS, DOORS, WINDOWS, SEALANTS, CLOSURES AND OTHER METAL BUILDING ACCESSORIES. THE LIMITED WARRANTY ALSO DOES NOT COVER USING THE MATERIALS IN A MANNER THAT THEY ARE NOT DESIGNED OR ENGINEERED FOR. ADDITIONALLY UNCONTROLLABLE EVENTS. *ACT OF GOD* SUCH AS TORNADOES, FLOODS OR HURRICANES ARE OUTSIDE THE DESIGN PARAMETERS OF THE LIMITED WARRANTY.

COMPONENTS AND CLADDING (exp=B, gcpl=0.00 (Open))							
VELOCITY ULTIMATE	PRESSURE (PSF)			WINDS PARALLEL TO EAVE			
	ZONE			WINDS PARALLEL TO EAVE			
	1	2	3	4/5 AVG NORMAL	4/5 AVG PARALLEL	4/5 AVG PARALLEL	
140 MPH	-16.6	-28.7	-48.2	+28.7	-31.2	+28.7	-38.5

CLIENT INFORMATION:
POLE BARN PLAN PREPARED FOR:

1168 SW CUMORAH HILL ST, FORT WHITE, FL 32038

PROPOSED 28' X 48' X 12' OPEN POLE BARN
4/12 ROOF PITCH
8' X 8' PT POST SPACED 12' ON CENTER
2X6 SYP ROOF PURLINS SPACED 24" ON CENTER
29GA METAL SHEATHING

DESIGN STATEMENT:
THESE PLANS WERE DESIGNED FOLLOWING THE 2023 8TH EDITION FLORIDA BUILDING CODE AND ASCE 7-22, INCLUDING CHAPTER 16 ON STRUCTURAL DESIGN. THIS STRUCTURE HAS BEEN DESIGNED WITH AN MINIMUM ULTIMATE WIND SPEED OF 140 MPH, (3 SECOND GUST) IN WIND EXPOSURE CATEGORY 'B'. THIS STRUCTURE HAS BEEN DESIGNED AS RISK CATEGORY I. THE COMPONENTS AND CLADDING WERE DESIGNED BASED THE INCLUDED TABLE DESIGN PRESSURES.

OVERALL REVISION DATE
NOVEMBER 24, 2025

ENGINEERING • PLANNING • PERMITTING

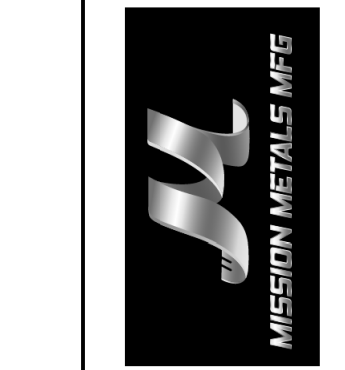
REVISIONS:

EPI

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311 SOUTH WOODLAND BLVD.
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DELAND, FL 32720
PHONE: 386-734-0830
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CERT NO. 28298
EMAIL: epi@epieng.net

PROJECT: MISSION METALS MANUFACTURING
SHEET TITLE: STEEL BAR JOIST OPEN STORAGE BUILDING (WOOD PURLIN)

Michael J Wojtuniak
Digitally signed by Michael J Wojtuniak
Date: 2026.07.23 11:43:00 -04'00'
7-23-2026



SHEET NO.
S-1
DATE: 7/23/2026