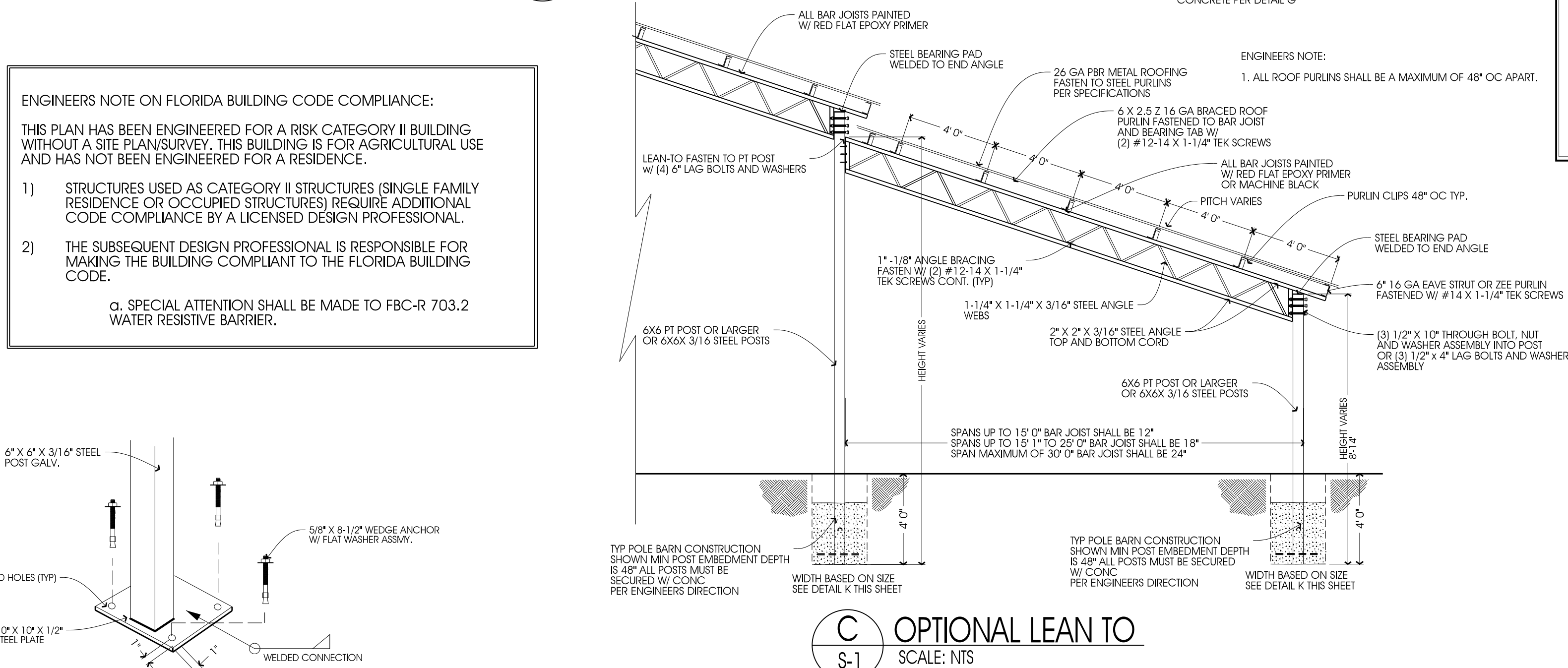
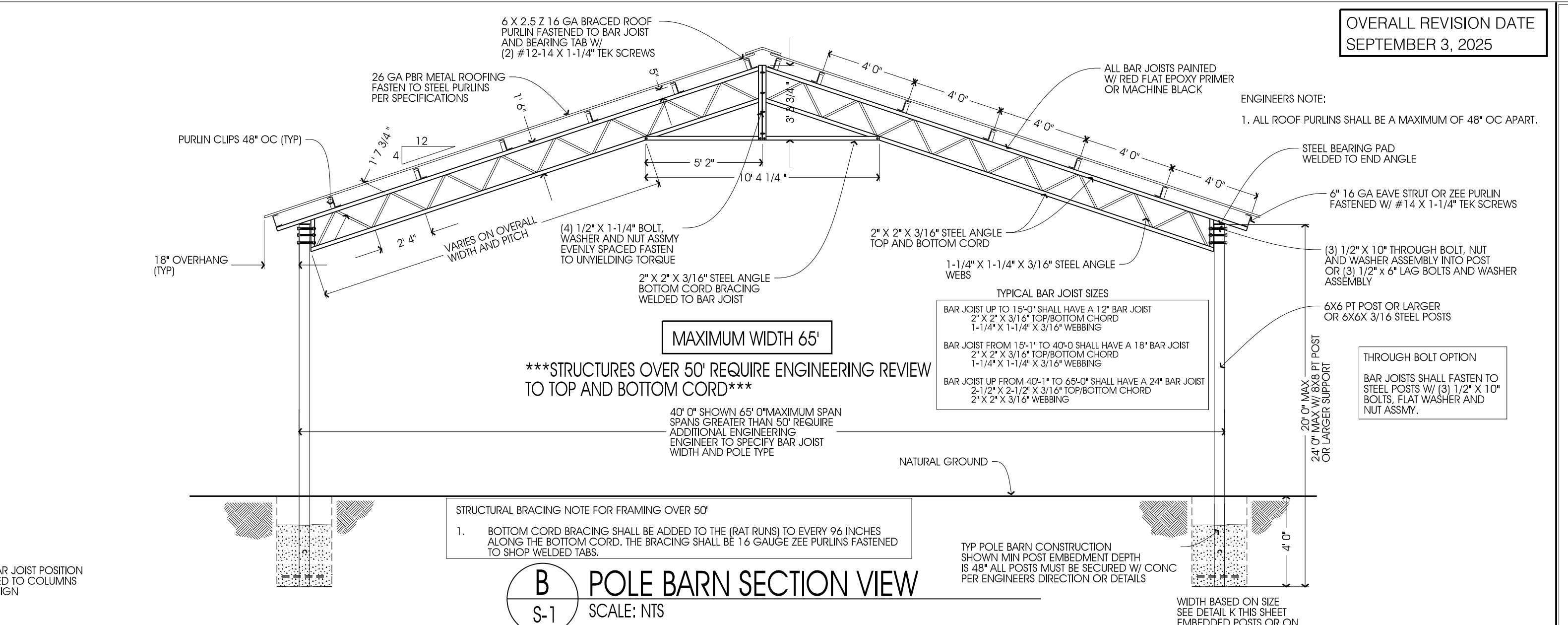
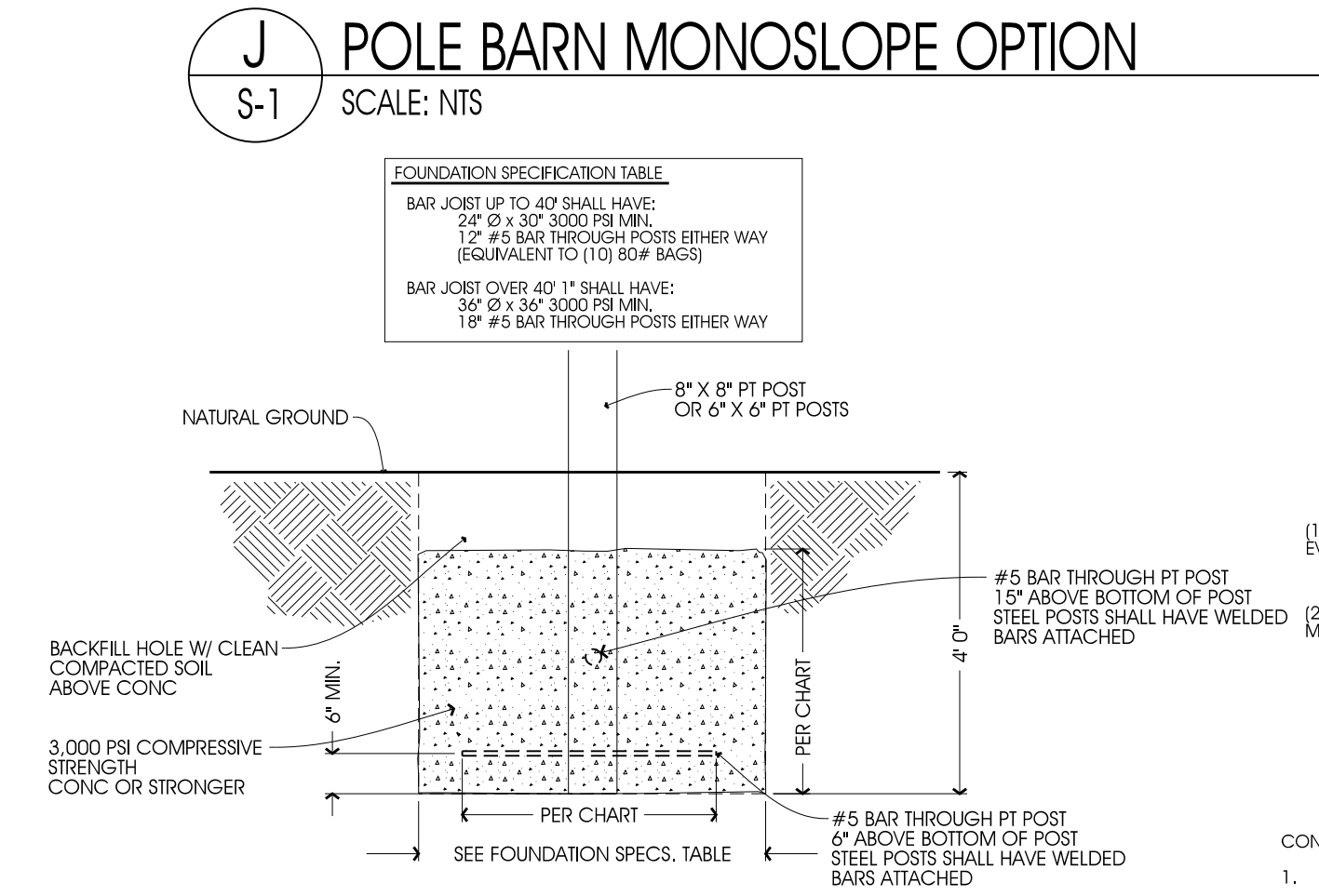
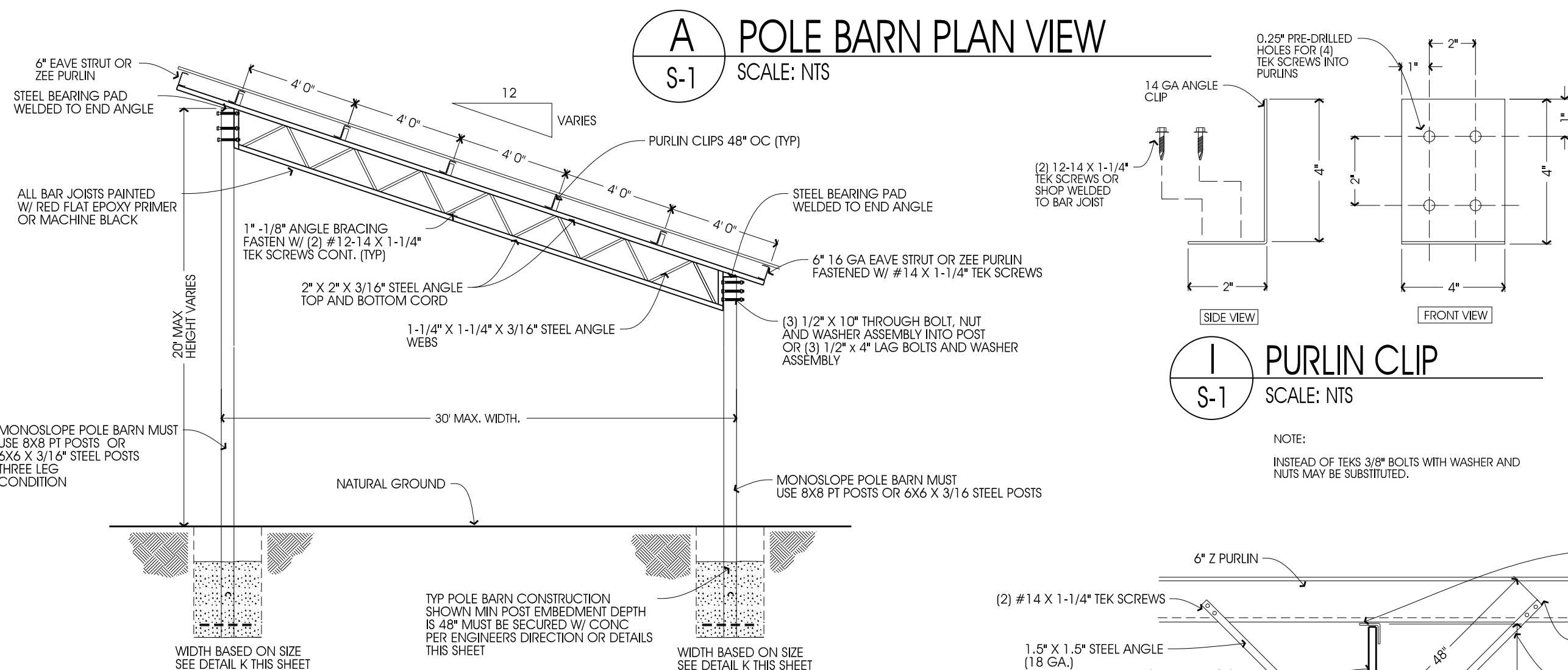
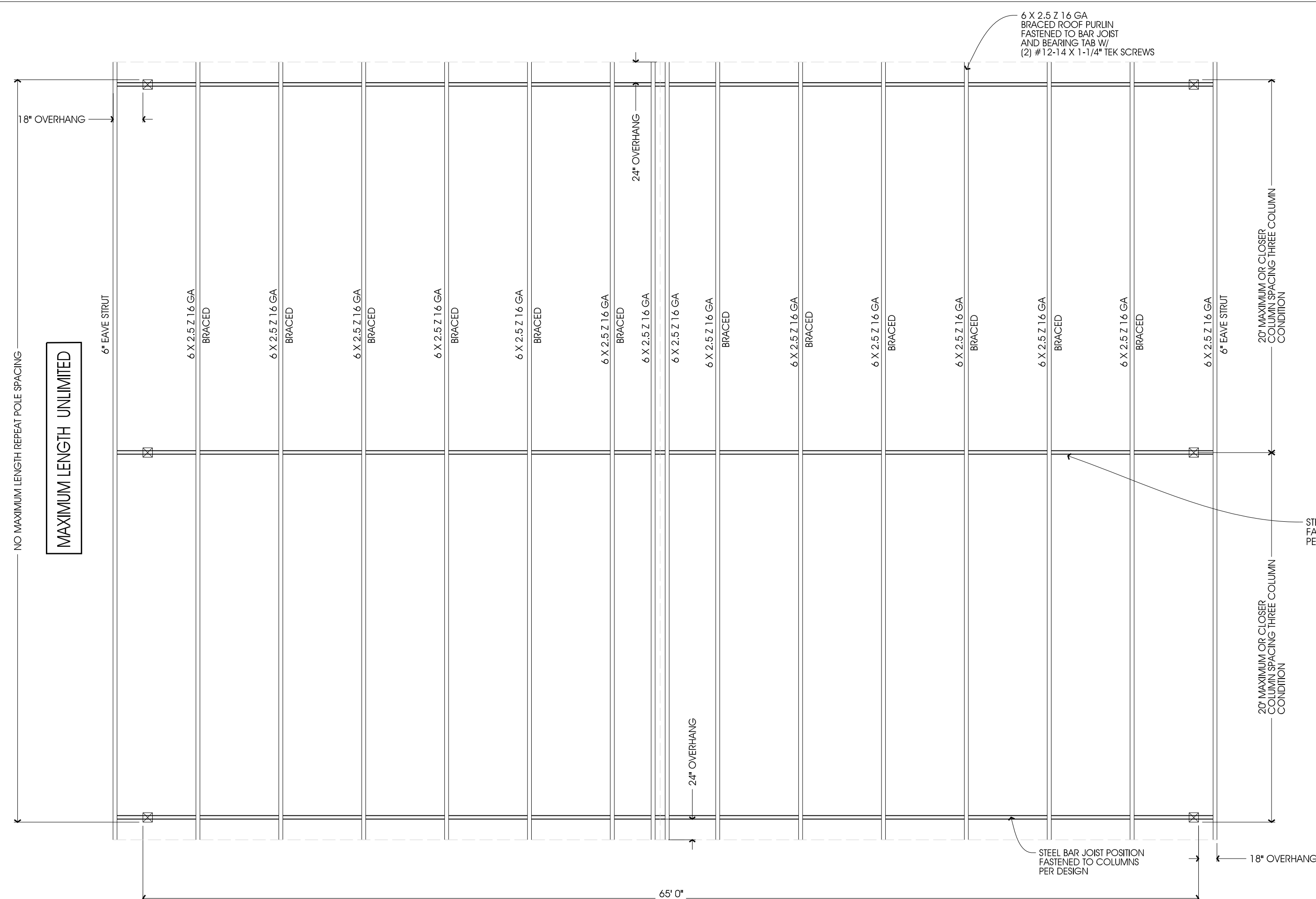


*****THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MICHAEL J. WOJTUNIAK, P.E. FOR ONE SITE SPECIFIC PROJECT ONLY. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES. UNLESS THE RAISED SEAL HAS BEEN UTILIZED. ***



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 CONSTRUCTION PER PLAN.

GENERAL NOTES

- [illegible]

COMPONENTS AND CLADDING (exp=C, gcpl=0.00 (Open))							
VELOCITY ULTIMATE	PRESSURE (PSF)						
	ZONE			WALLS			
	1	2	3	4/5 AVG NORMAL	4/5 AVG PARALLEL		
140 MPH	-17.4	-47.8	-54.3	+18.4	-25.1	+18.4	-25.1
150 MPH	-19.9	-54.9	-62.3	+21.2	-28.9	+21.2	-28.9
160 MPH	-22.7	-62.4	-70.9	+24.1	-32.8	+24.1	-32.8

COMPONENTS AND CLADDING (wp=C, gcpl= +/-0.18 (Enclosed))						
VELOCITY ULTIMATE	PRESSURE (PSF)					
	ROOF			WALLS		
	1	2	3	4/5 AVG NORMAL	4/5 AVG PARALLEL	
140 MPH	-21.3	-51.7	-58.2	+22.1	-28.7	+22.1 -28.7
150 MPH	-24.4	-59.3	-66.8	+22.3	-32.9	+22.3 -32.9
160 MPH	-27.8	-67.5	-76.0	+28.9	-37.4	+28.9 -37.4
170 MPH	-30.6	-74.3	-83.6	+31.8	-41.1	+31.8 -41.1

COMPONENTS AND CLADDING (exp=C, gcpl= +/-0.55 (Partially Enclosed))						
VELOCITY ULTIMATE	PRESSURE (PSF)					
	ZONE					
	ROOF			WALLS		
	1	2	3	4/5 AVG NORMAL	4/5 AVG PARALLEL	
140 MPH	-29.3	-59.7	-66.3	+30.2	-36.7	+30.2 -36.7
150 MPH	-33.7	-68.6	-76.1	+34.7	-42.1	+34.7 -42.1
160 MPH	-38.3	-78.0	-86.5	+39.4	-47.9	+39.4 -47.9

CLIENT INFORMATION:
POLE BARN PLAN PREPARED FOR

1786 SE STATE RD 100, LAKE CITY, FL 32025

PROPOSED 40' X 140' X 20' OPEN POLE BARN
4/12 ROOF PITCH
6" 16GA Z PURLIN 45" ON CENTER
8" X 8" PT POST 20' ON CENTER
26GA 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 "C". THIS STRUCTURE HAS BEEN DESIGNED AS RISK CATEGORY I. THE COMPONENTS AND CLADDING WERE DESIGNED BASED THE INCLUDED TABLE DESIGN PRESSURES.

PROJECT: MISSION METALS MANUFACTURING

PROJECT: MISSION METALS MANUFACTURING
SHEET TITLE: STEEL BAR JOIST
OPEN STORAGE BUILDING

Michael J
Wojtuniak

Digitally signed by
Michael J Wojtuniak
Date: 2026.06.12
11:21:24 -04'00'

6-12-2026



MISSION METALS MFG

SHEET NO.

S-1

DATE: 6/11/2026