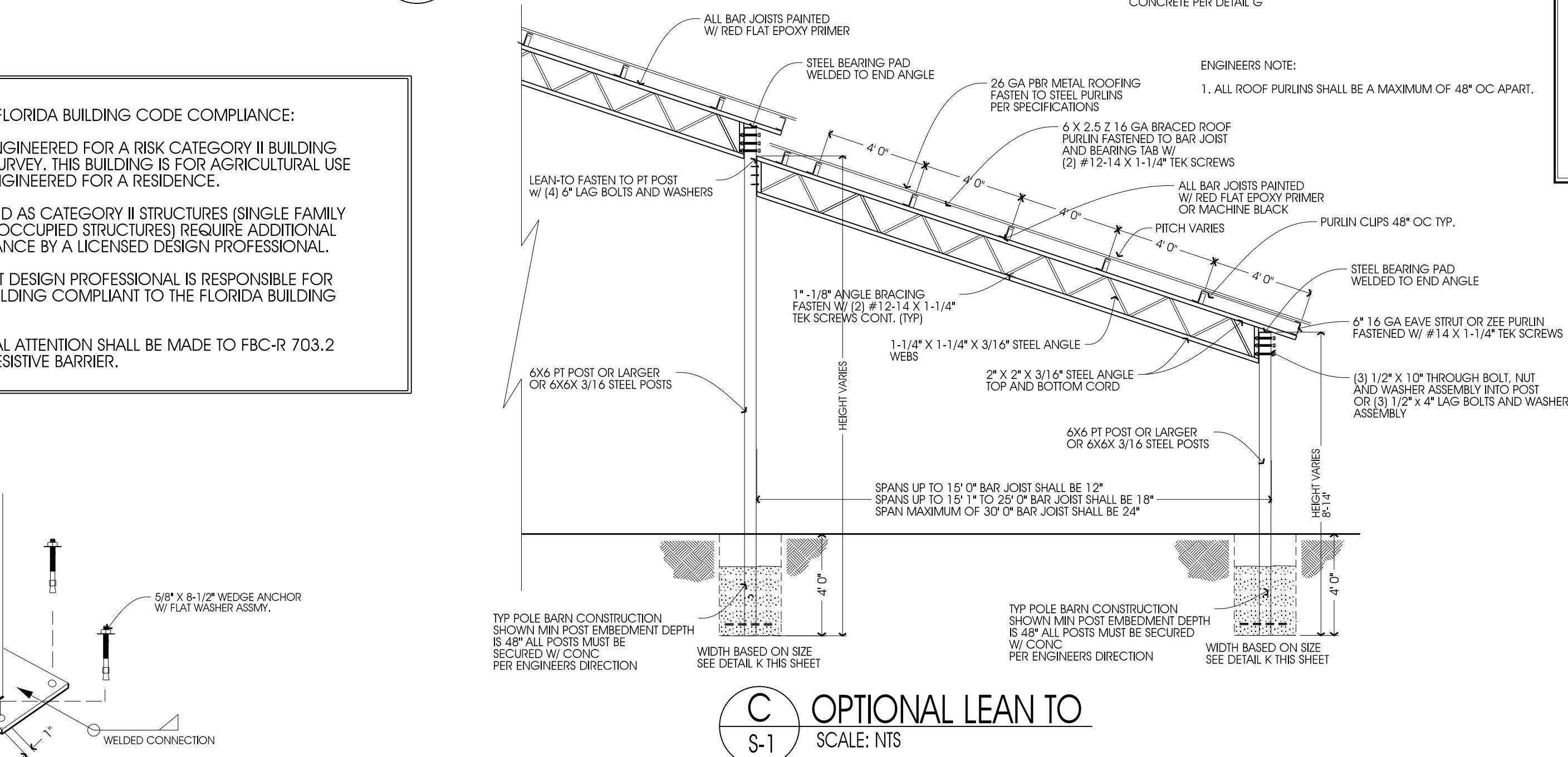
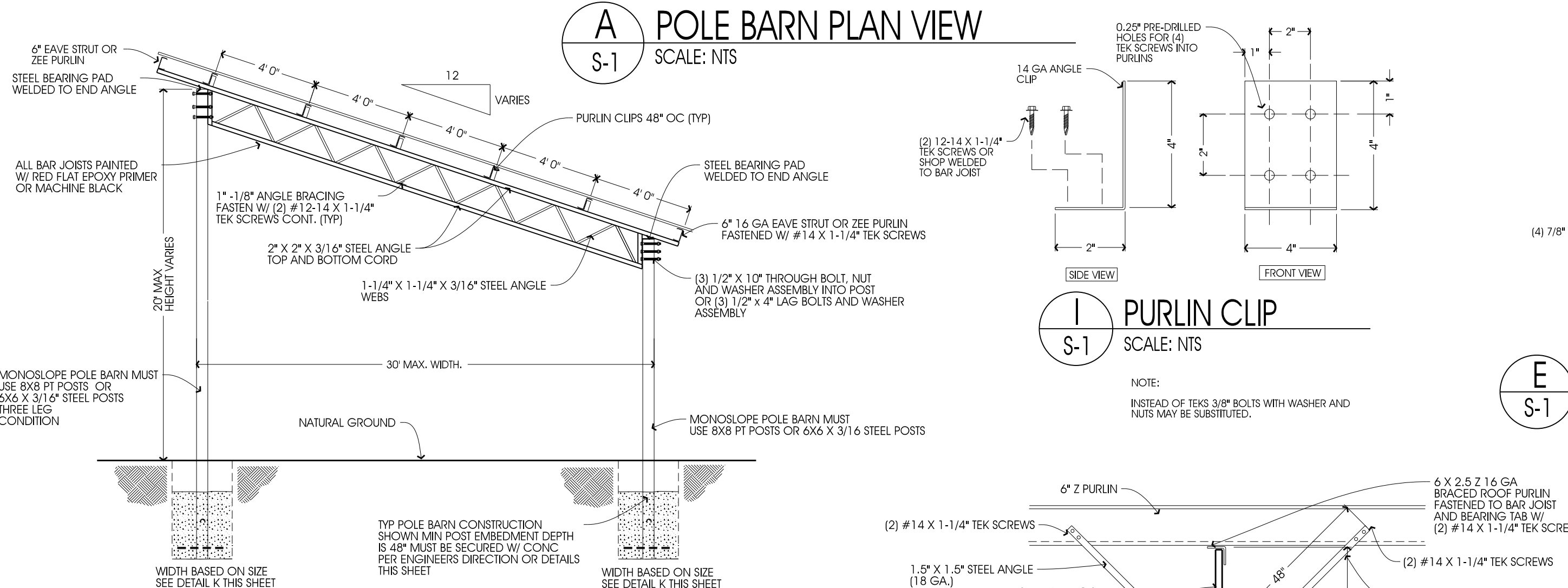


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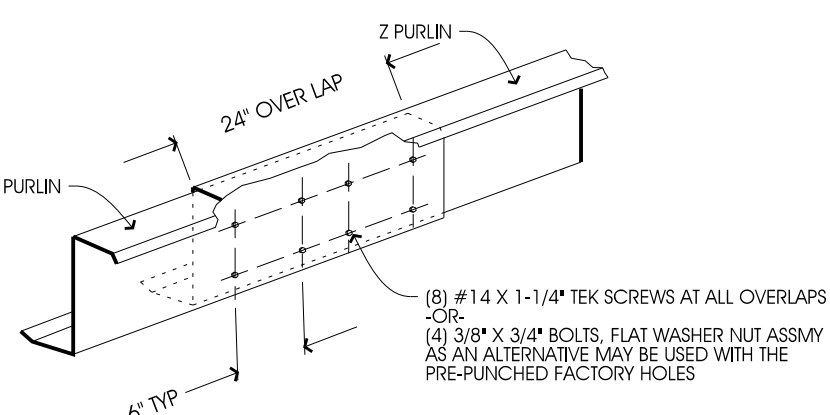
STEEL NOTE:

THE DESIGN, FABRICATION, AND CREATION OF STRUCTURAL STEEL ELEMENTS SHALL BE IN ACCORDANCE WITH AISC 360 AND AISC CODE OF STANDARD PRACTICE, 2020.

GENERAL NOTES

1. ALL CONCRETE WORK SHALL BE 3,000 P.S.I. AT 28 DAYS.
2. MINIMUM SOIL BEARING SHALL BE ASSURED AT 2,000 P.S.F.
3. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE A.I.A. B.L.G. CODE 2023 1911 EDITION AND ASCE 7-22 WIND CODES FOR AN ULTIMATE WIND SPEED OF 140 MPH AND GREATER.
4. THESE PLANS INCLUDE DESIGN FOR ALL WIND SPEEDS UP TO AND INCLUDING 140 MPH ULTIMATE WIND SPEED.
5. ALL SIDING AND ROOFINGS TO MINIMUM OF 26 GAUGE ATTACHED TO THE COLUMNS AS SHOWN AND COMBINED TO BE A MIN. OF 3 SPAN.
6. FOR ZONE LOCATIONS SEE ASCE 7-22. THE VALUE OF v_w SHALL BE A MINIMUM OF 34-F. FOR ZONE LOADING SEE COMPONENTS AND CLADDING LOADING CHARTS THIS SHEET.
7. DESIGN CHARGES:
 - DEAD LOAD = 5 PSF
 - ROOF LIVE LOAD = 20 PSF
 - WIND LOAD = PER TABLE
8. DOOR AND WINDOW DATA: SEE TABLE THIS SHEET.
9. ALL WINDOWS AND MAIN DOORS MAY USE 1/4"x1" LONG TEK SCREWS IN LIEU OF THE WOOD SCREWS WHEN MANUFACTURING THE UNITS TO METAL FRAMES. FOLLOW THE MANUFACTURER SPECIFICATIONS FOR LOCATING CONNECTORS.
10. TYPE OF CONSTRUCTION:
 - (I) BUILDING CATEGORY
 - (II) ADDITIONAL BRACES: REQUIRED ONLY WHEN USED ON WIND SPEEDS GREATER THAN OR EQUAL TO 150 MPH OR AS CALLED OUT ON PLANS.
 - (III) ALL WELDS ARE CONTINUOUS WELDS DONE AT THE FACTORY.
 - (IV) METAL SHEET MANUFACTURING: PROVIDE PROTECTION FOR FAILURES OF OR INDUCED BY MATERIALS NOT PROVIDED BY MISSION METALS MANUFACTURING:
11. 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
12. MOST OF GOOD SUCH AS TORNADOES, FLOODS OR HURRICANES ARE OUTSIDE THE DESIGN PARAMETERS OF THE LIMITED WARRANTY.

ZEE PURLIN LOADING/SPAN TABLE			
ZEE		3 OR MORE SPANS, STD. LAP	
		16 GAUGE	14 GAUGE
SECTION	BAY		
6" WEB	15 FT	176	235
	18 FT	118	157
	20 FT	94	124
8" WEB	20 FT	127	178
	22 FT	105	145
	24 FT	88	121



ENGINEERS NOTE:

Z PURLIN SPLICE JOINT
SCALE: NTS

ENGINEERS NOTE:
1. ALL ROOF PURLINS SHALL BE A MAXIMUM OF 48" OC APART.

STEEL BEARING PAD
WELDED TO END ANGLE

6" 16 GA EAVE STRUT OR ZEE PURLIN
FASTENED W/ # 1/4 X 1-1/4" TEK SCREWS



ENGINEERING

ENGINEER
311 SOUTH
SUITE A
DELAND,
PHONE: 3
FAX: 386-
CERT NO
EMAIL: ec

Project
ally
ael
: 202
:24

Wojt
.06.
04'00

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

MISSION METALS MFG

DATE: 6/11/2026

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

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.