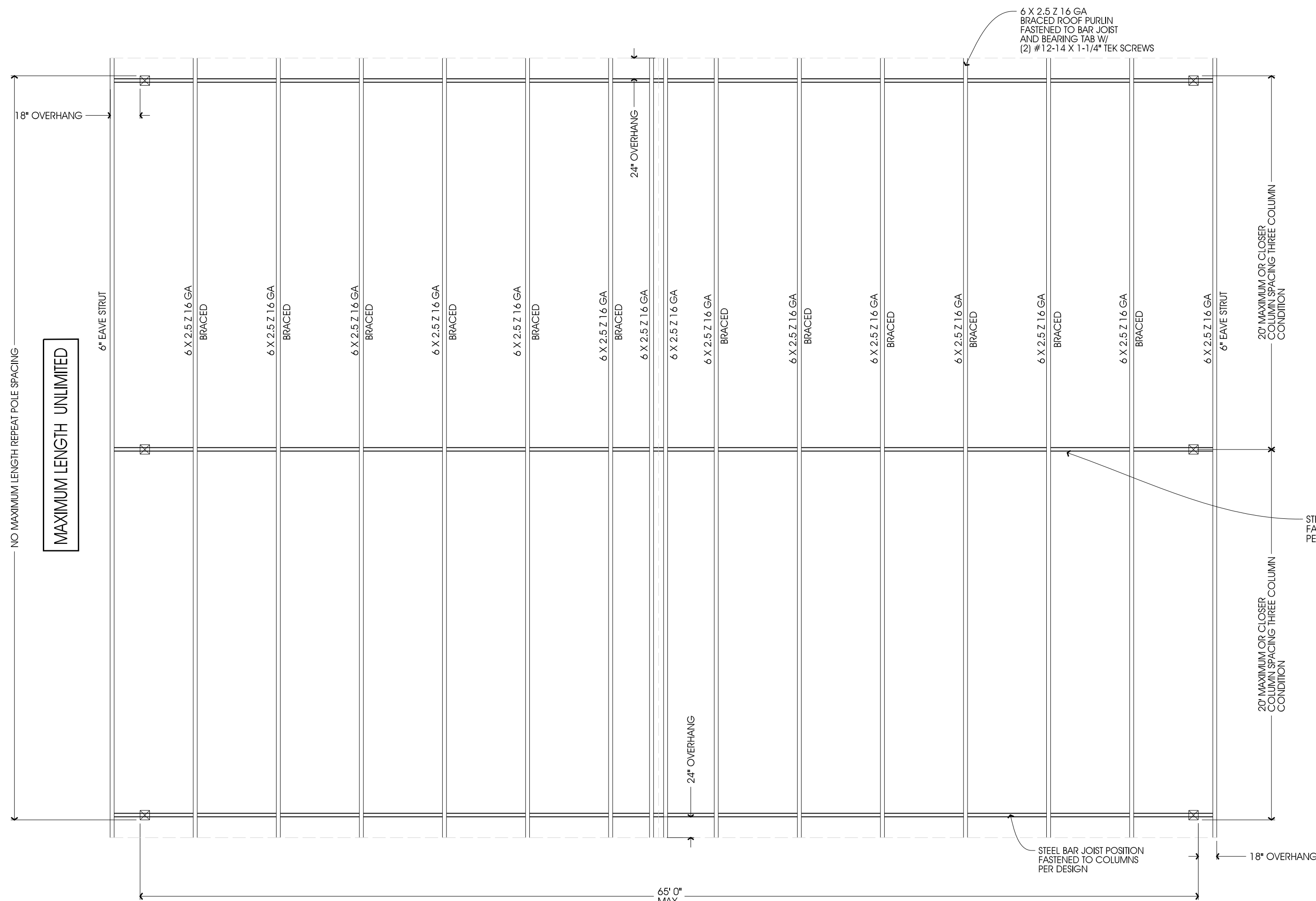


***THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MICHAEL J. WOJTUNIAK, P.E. FOR ONE SITE SPECIFIC PROJECT ONLY. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES. UNLESS THE RAISED SEAL HAS BEEN UTILIZED. ***



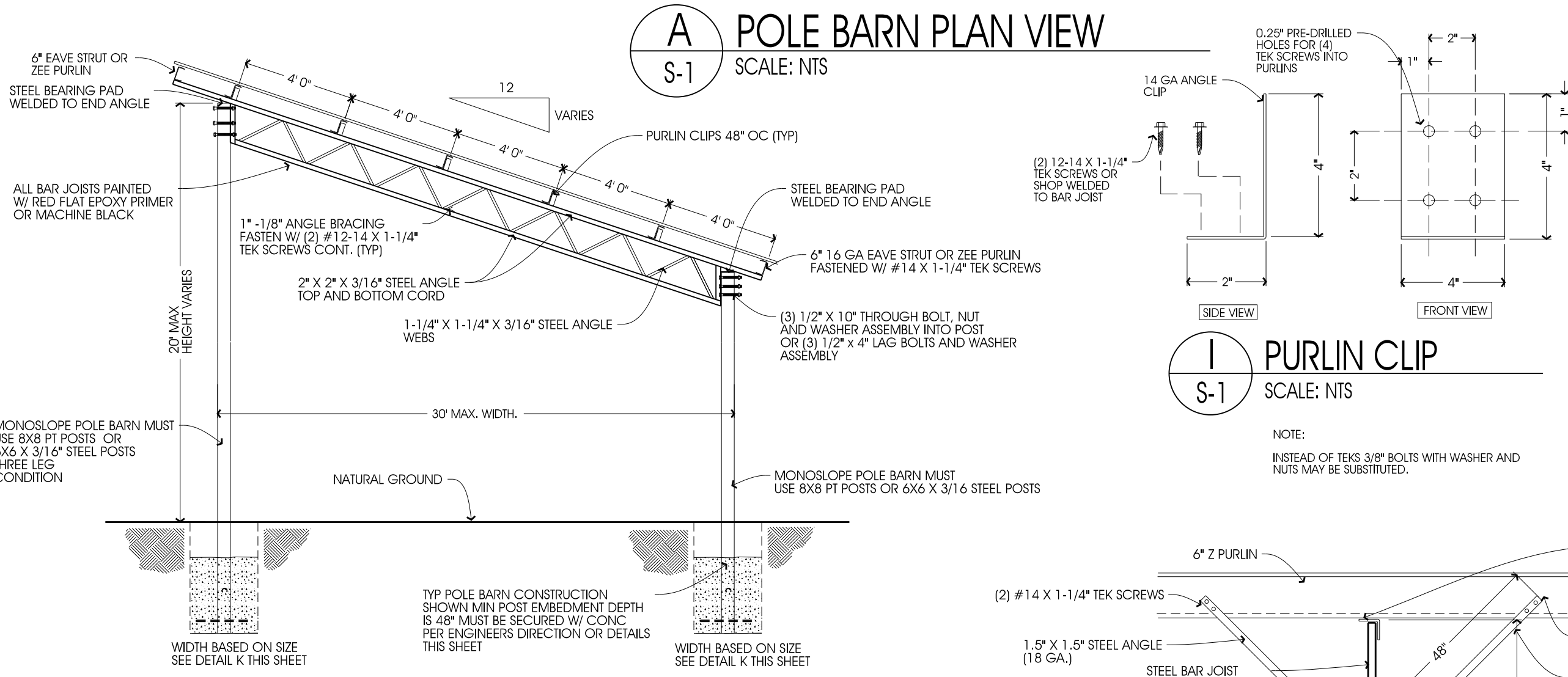
ENGINEERS NOTE ON FLORIDA BUILDING CODE COMPLIANCE:

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.

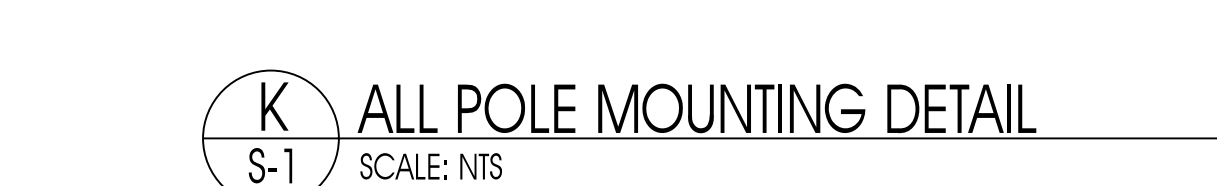
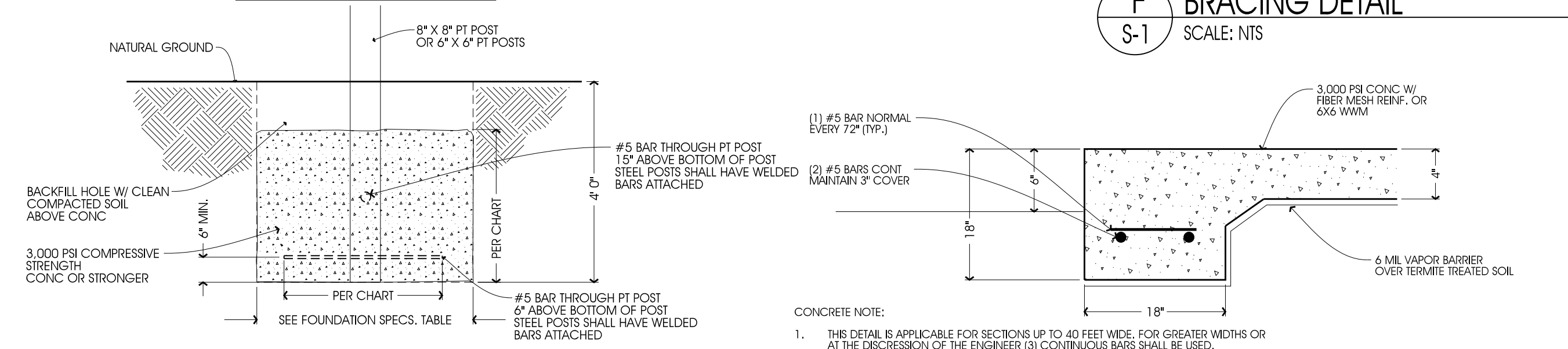
1) STRUCTURES USED AS CATEGORY II STRUCTURES (SINGLE FAMILY RESIDENCE OR OCCUPIED STRUCTURES) REQUIRE ADDITIONAL CODE COMPLIANCE BY A LICENSED DESIGN PROFESSIONAL.

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.

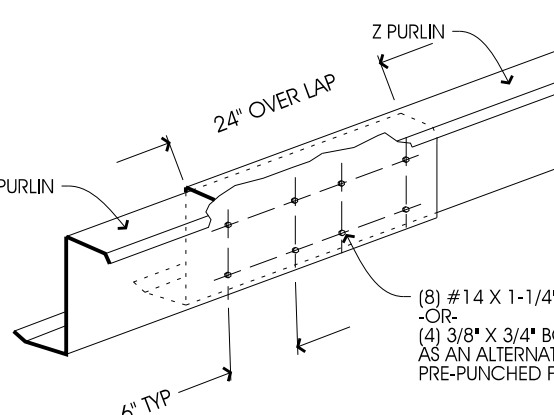


FOUNDATION SPECIFICATION TABLE	
BAR JOIST UP TO 40' SHALL HAVE:	
24" Ø x 36" 3000 PSI MIN.	
12" #5 BAR THROUGH POSTS EITHER WAY (EQUIVALENT TO 10" Ø 30" BARS)	
BAR JOIST OVER 40' 1" SHALL HAVE:	
36" Ø x 36" 3000 PSI MIN.	
18" #5 BAR THROUGH POSTS EITHER WAY	



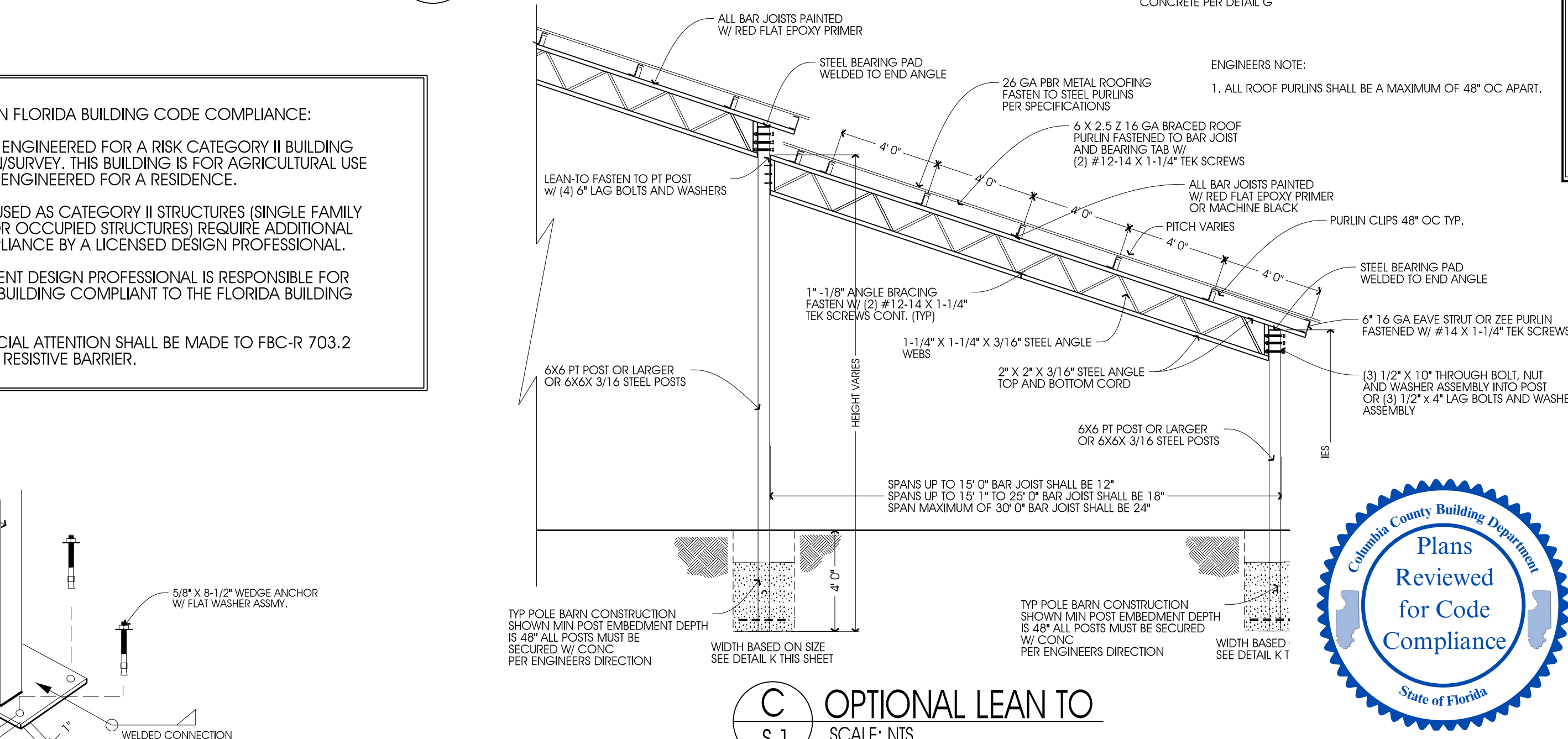
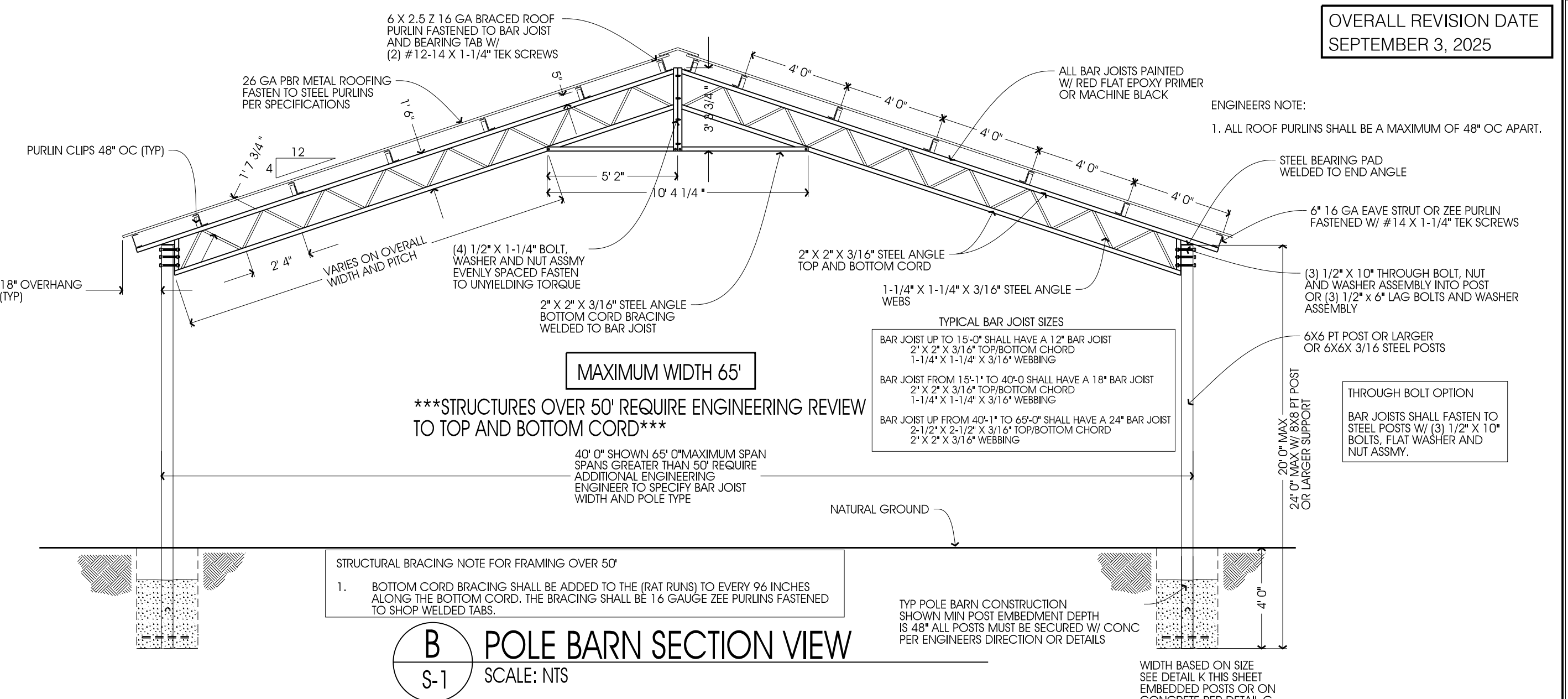
ZEE PURLIN LOADINGS/SPAN TABLE			
SECTION	BAY	3 OR MORE SPANS, STD. LAP	
		16 GAUGE	14 GAUGE
6" WEB	15 FT	176	235
	18 FT	118	157
	20 FT	94	124
8" WEB	20 FT	127	178
	22 FT	105	145
	24 FT	88	121

ALTERNATE LIFTING LOADS IN POUNDS PER LINEAR FOOT



ENGINEERS NOTE:

1. PURLINS SHALL BE SPACED 48" APART MAXIMUM.



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

1. ALL CONCRETE WORK SHALL BE 3,000 P.S.I. AT 28 DAYS.

2. MINIMUM SOIL BEARING SHALL BE ASSUMED AT 2,000 P.S.F.

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 AND GREATER. THESE PLANS INCLUDE DESIGN FOR ALL WIND SPEEDS UP TO AND INCLUDING 160 MPH. ULTIMATE WIND SPEED.

4. ALL SILING AND ROOFING TO BE PROVIDED WITH 26 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 CHARTS THIS SHEET.

6. DESIGN LOADINGS: DEAD LOAD = 5 PSF ROOF LIVE LOAD = 20 PSF WIND LOAD = PER TABLE DOOR AND WINDOW DATA: SEE TABLE THIS SHEET.

7. ALL WINDOWS AND MAIN 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.

8. TYPE OF CONSTRUCTION TYPE B-B BUILDING CATEGORY

9. ADDITIONAL BRACING REQUIRED ONLY REQUIRED WITH WIND SPEEDS GREATER THAN OR EQUAL TO 150 MPH OR AS CALLED OUT ON PLANS.

10. ALL WELDS ARE CONTINUOUS WELDS DONE AT THE FACTORY.

11. 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=C, gcrip=0.00 (Open))					
VELOCITY ULTIMATE	ROOF		WALLS		
	1	2	4/5 AVG NORMAL	4/5 AVG PARALLEL	4/5 AVG PARALLEL
140 MPH	-17.4	-47.8	-54.3	+18.4	-25.1
150 MPH	-19.9	-54.9	-62.3	+21.2	-28.9
160 MPH	-22.7	-62.4	-70.9	+24.1	-32.8

COMPONENTS AND CLADDING (exp=C, gcrip=+0.18 (Enclosed))					
VELOCITY ULTIMATE	ROOF		WALLS		
	1	2	4/5 AVG NORMAL	4/5 AVG PARALLEL	4/5 AVG PARALLEL
140 MPH	-21.3	-51.7	-58.2	+22.1	-28.7
150 MPH	-24.4	-59.3	-66.8	+22.2	-32.9
160 MPH	-27.8	-67.5	-76.0	+28.9	-37.4
170 MPH	-30.6	-74.3	-83.6	+31.8	-41.1

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

OVERALL REVISION DATE
SEPTEMBER 3, 2025

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/ #14 X 1-1/4" TEK SCREWS

(3) 1/2" X 10" THROUGH BOLT, NUT AND WASHER ASSEMBLY INTO POST OR (3) 1/2" X 6" LAG BOLTS AND WASHER ASSEMBLY

THROUGH BOLT OPTION
BAR JOISTS SHALL FASTEN TO STEEL POSTS W/ (3) 1/2" X 10" BOLTS, FLAT WASHER AND NUT ASS'Y.

6X6 FT POST OR LARGER OR 6X6X 3/16 STEEL POSTS

24" Ø MAX OF LARGER SUPPORT

20' Ø MAX OF LARGER SUPPORT

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(3) 1/2" X 10" THROUGH BOLT, NUT AND WASHER ASSEMBLY INTO POST OR (3) 1/2" X 4" LAG BOLTS AND WASHER ASSEMBLY

6X6 FT POST OR LARGER OR 6X6X 3/16 STEEL POSTS

24" Ø MAX OF LARGER SUPPORT

20' Ø MAX OF LARGER SUPPORT

WIDHT BASED ON SIZE SEE DETAIL K THIS SHEET EMBEDDED POSTS OR ON CONCRETE PER DETAIL G

ENGINEERS NOTE:

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

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