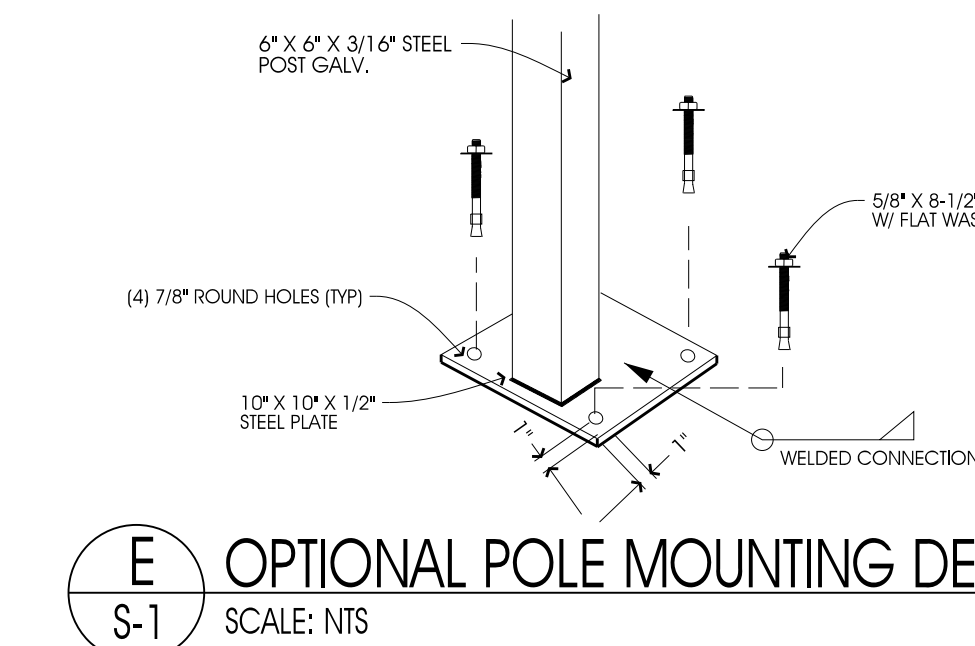
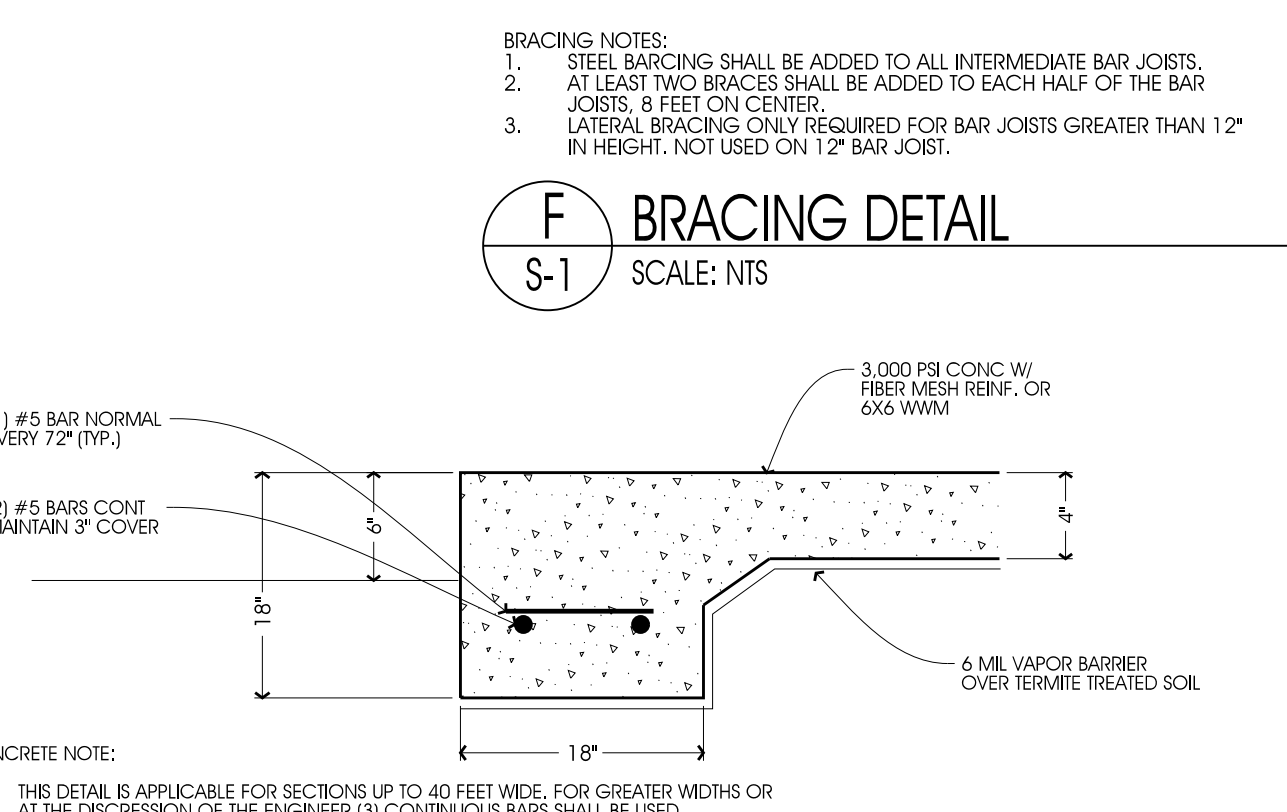
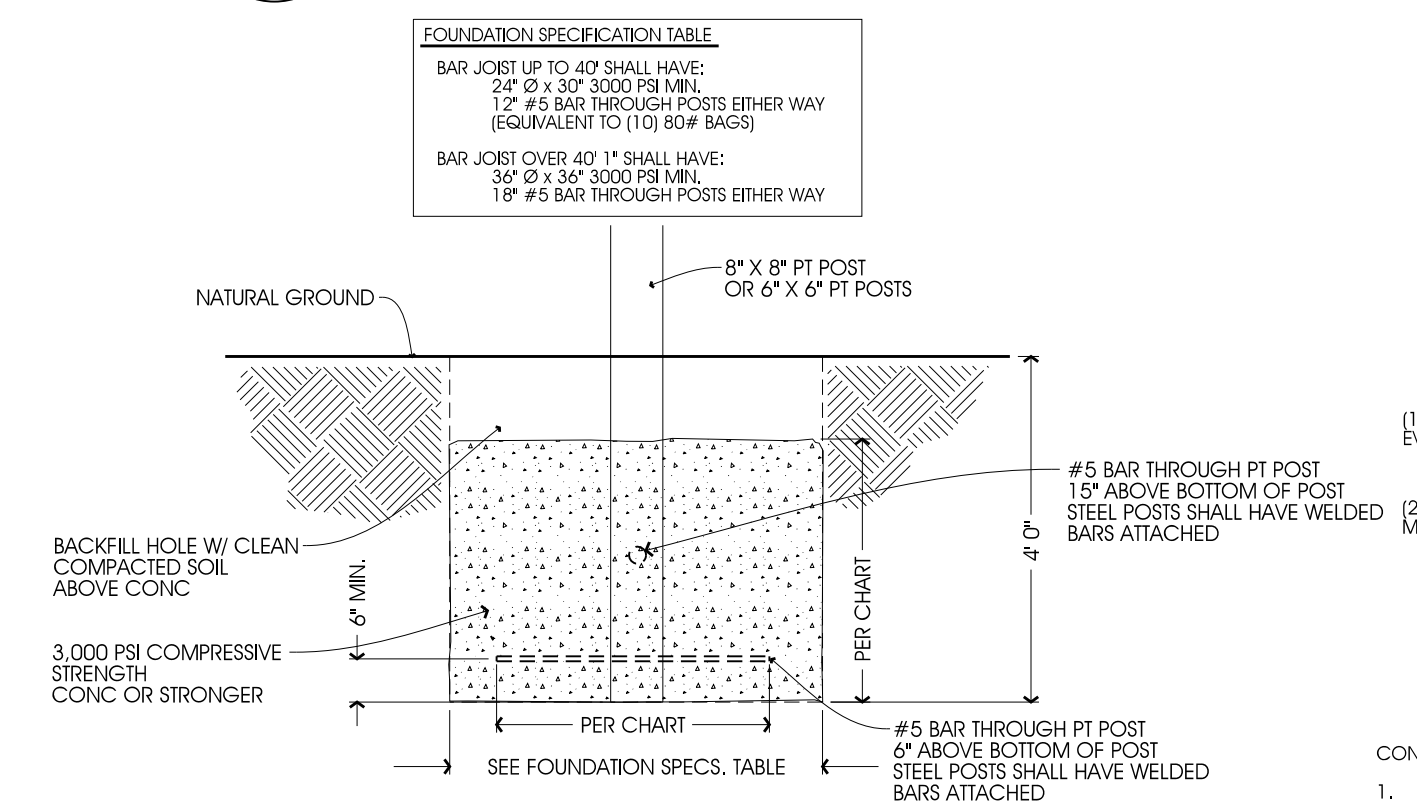
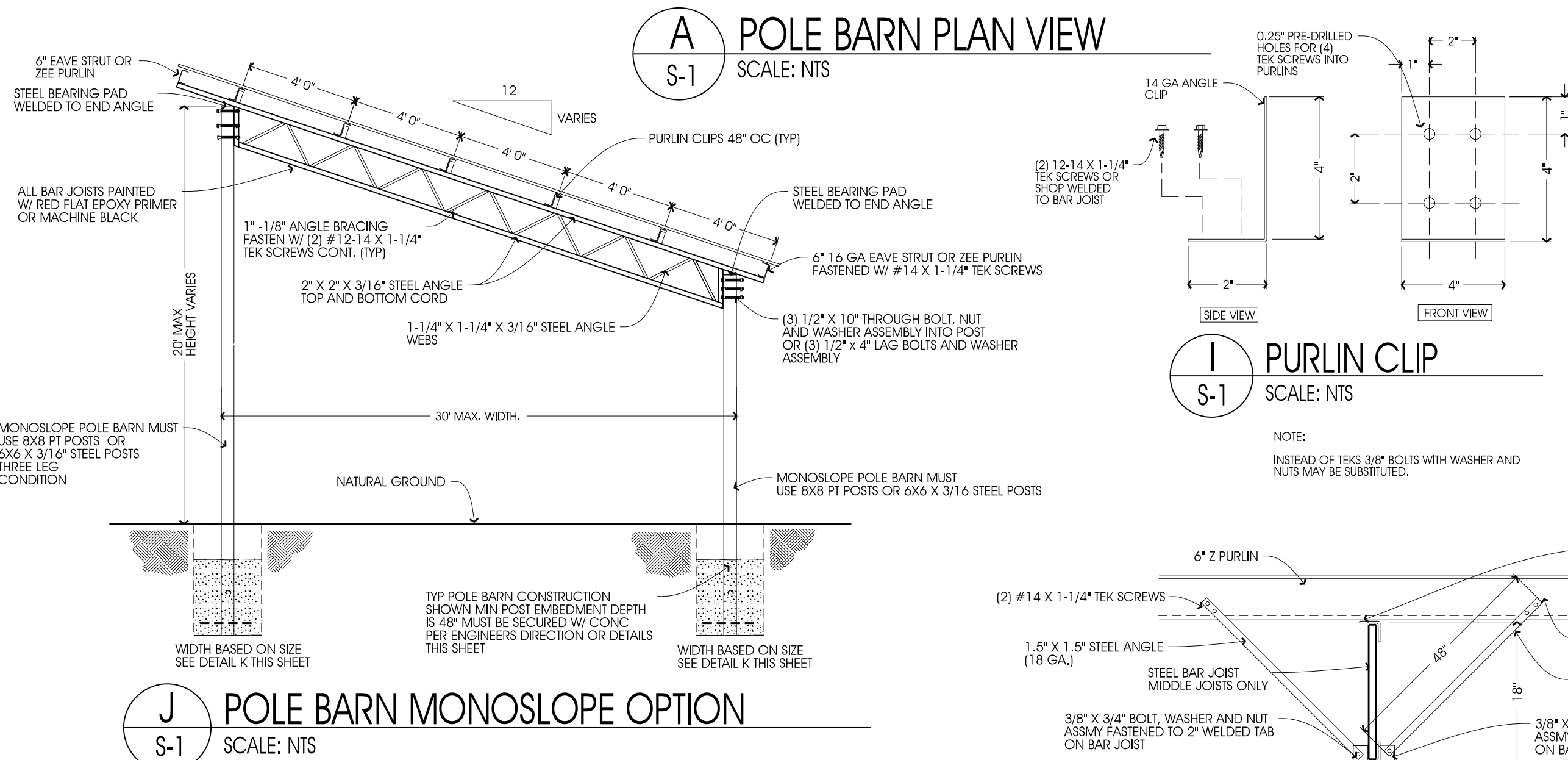
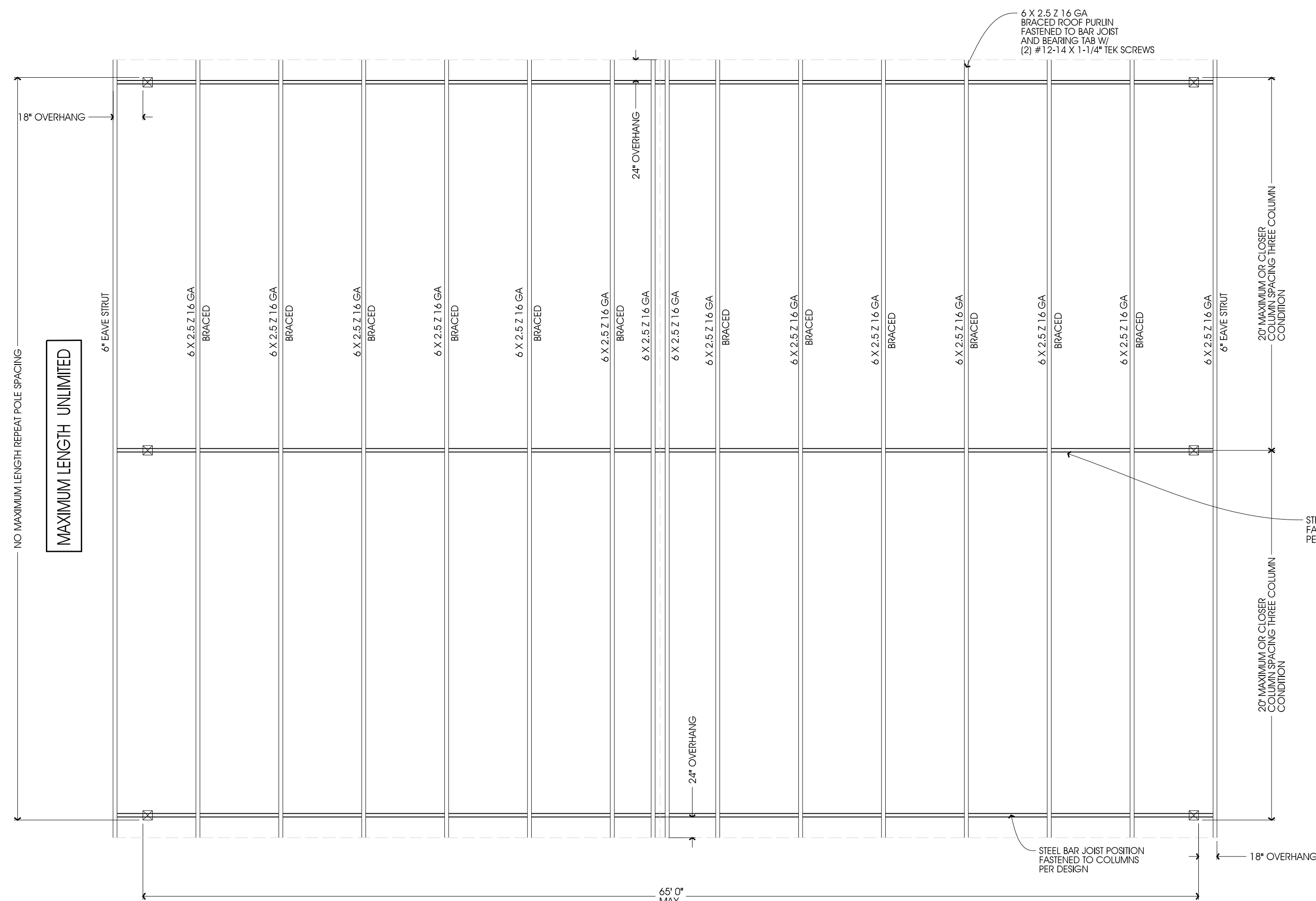
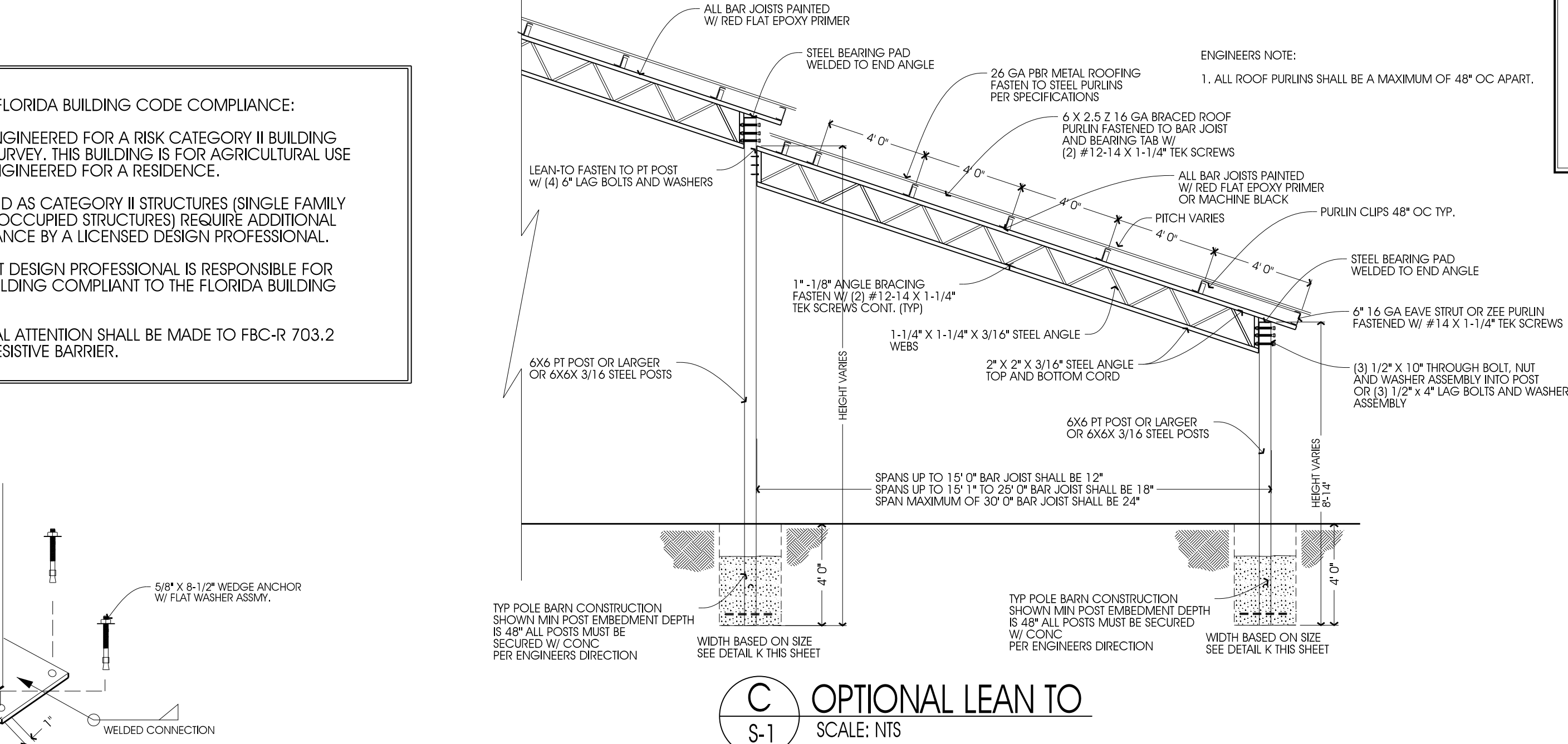
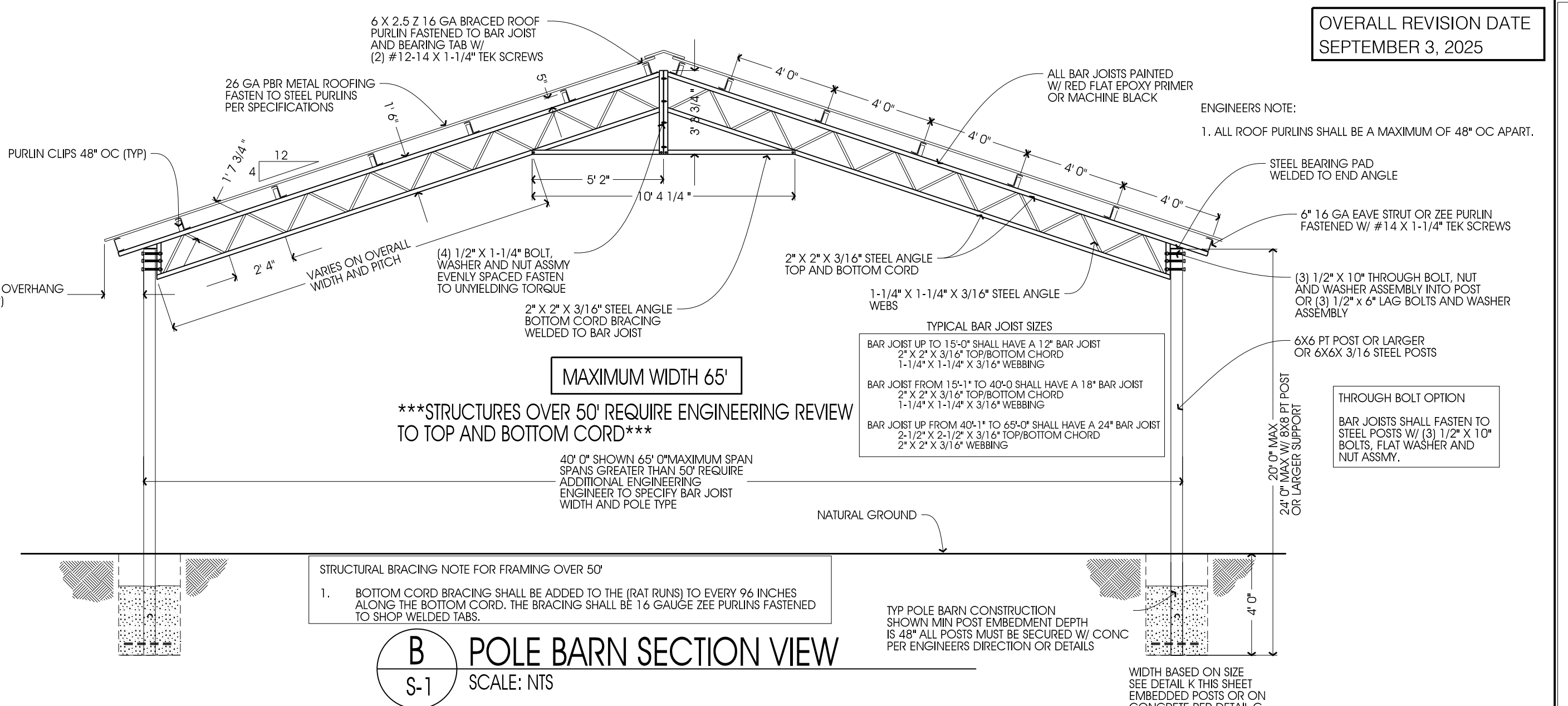
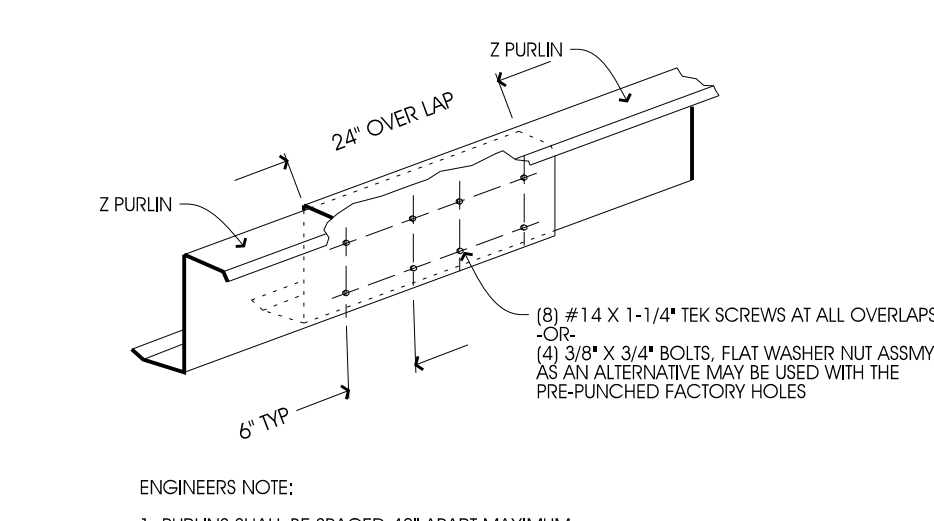


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| ZEE     |       | 3 OR MORE SPANS, STD. LAP |          |
|---------|-------|---------------------------|----------|
|         |       | 16 GAUGE                  | 14 GAUGE |
| SECTION | BAY   |                           |          |
| 6" WEB  | 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      |



| COMPONENTS AND CLADDING (exp=C, gcpl=0.00 (Open)) |                |       |       |                |                  |                       |                  |
|---------------------------------------------------|----------------|-------|-------|----------------|------------------|-----------------------|------------------|
| VELOCITY<br>ULTIMATE                              | PRESSURE (PSF) |       |       |                |                  |                       |                  |
|                                                   | ROOF           |       |       | WALLS          |                  |                       |                  |
|                                                   | 1              | 2     | 3     | 4/5 AVG NORMAL | 4/5 AVG PARALLEL | 4/5 AVG PERPENDICULAR | 4/5 AVG DIAGONAL |
| 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 (exp=C, gcpl=+/-0.18 [Enclosed]) |                |       |       |                |                  |       |       |
|----------------------------------------------------------|----------------|-------|-------|----------------|------------------|-------|-------|
| VELOCITY<br>ULTIMATE                                     | PRESSURE (PSF) |       |       |                |                  |       |       |
|                                                          | ZONE           |       |       |                |                  |       |       |
|                                                          | 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 |

| COMPONENTS AND CLADDING (exp=C, gcpl= +/-0.55 (Partially Enclosed)) |                |       |       |                |                  |             |
|---------------------------------------------------------------------|----------------|-------|-------|----------------|------------------|-------------|
| VELOCITY<br>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 240' 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.

ENGINEERING • PLANNING • PERMITTING

| REVISIONS:                                                                                                                                                                                                                                                                                                                                                                                        |  | DATE | BY | DESCRIPTION |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|----|-------------|
| <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <h1 style="margin: 0;">EPI</h1> <p>ENGINEERED PERMITS, INC.<br/>311 SOUTH WOODLAND BLVD.<br/>SUITE A<br/>DELAND, FL 32720<br/>PHONE: 386-734-0830<br/>FAX: 386-734-8226<br/>CERT NO. 26298<br/>EMAIL: <a href="mailto:epi@epieng.net">epi@epieng.net</a></p> </div> <div style="width: 55%;"></div> </div> |  |      |    |             |

PROJECT: MISSION METALS MANUFACTURING

SHEET TITLE: STEEL BAR JOIST  
OPEN STORAGE BUILDING

Michael J  
Wojtunia  
k

Digitally signed  
by Michael J  
Wojtuniak  
Date: 2026.06.12  
11:20:44 -04'00'

6-12-2026

MICHAEL WOJCIUK, P.E.  
P.E. NO. 60934  
EMAIL: mwolciuk@cseng.net



MISSION METALS MFG

SHEET NO.  
S-1  
DATE: 6/11/2026

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