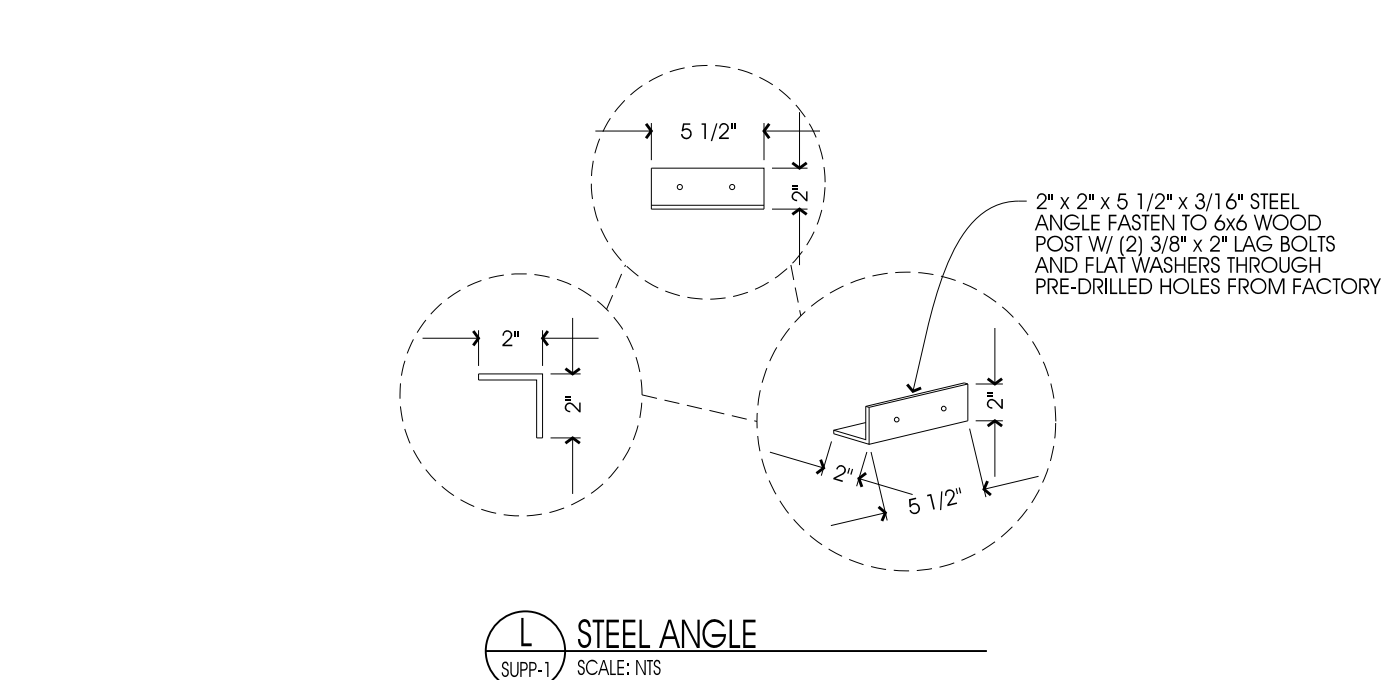
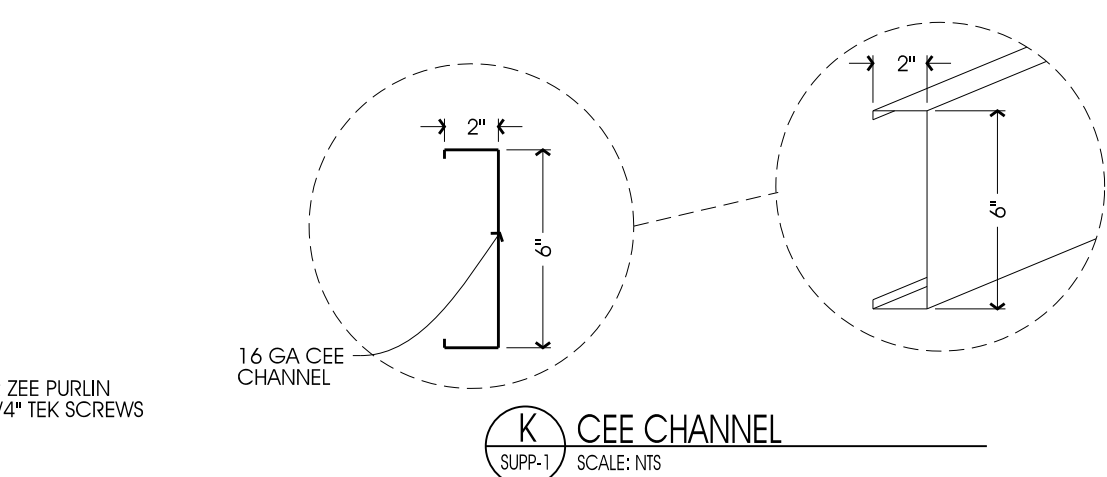
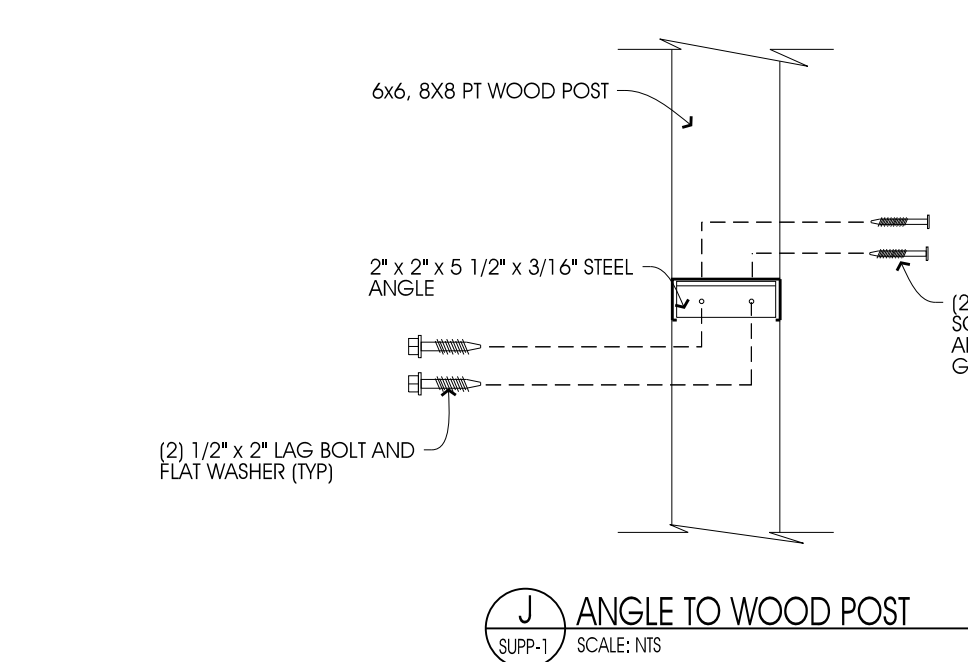
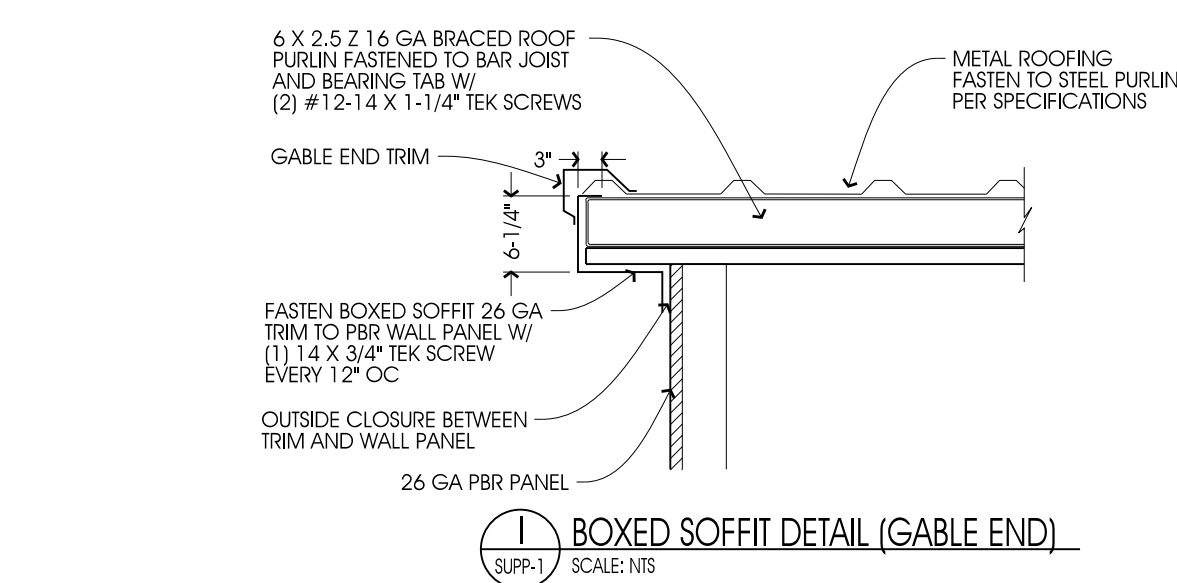
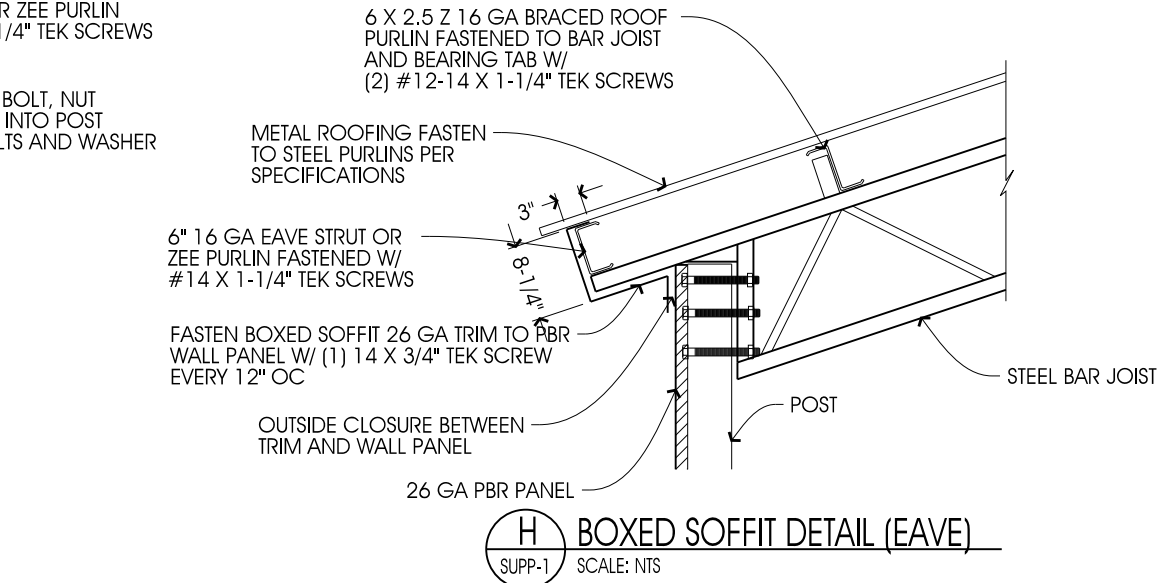
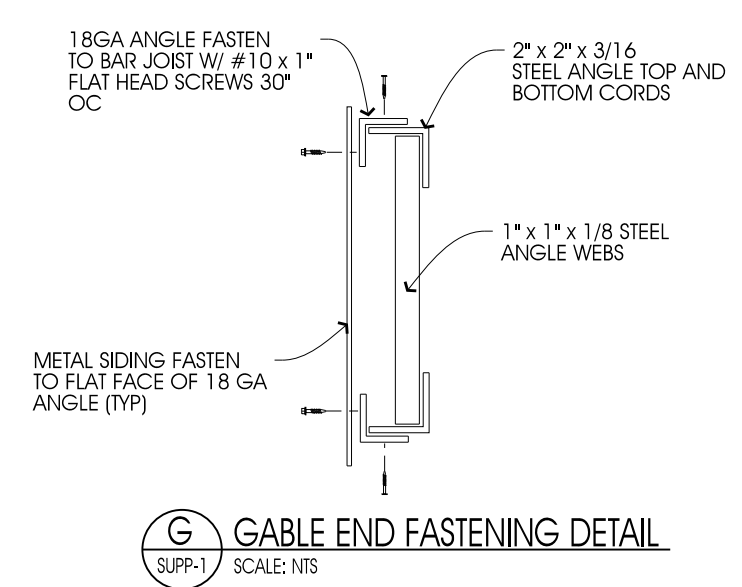
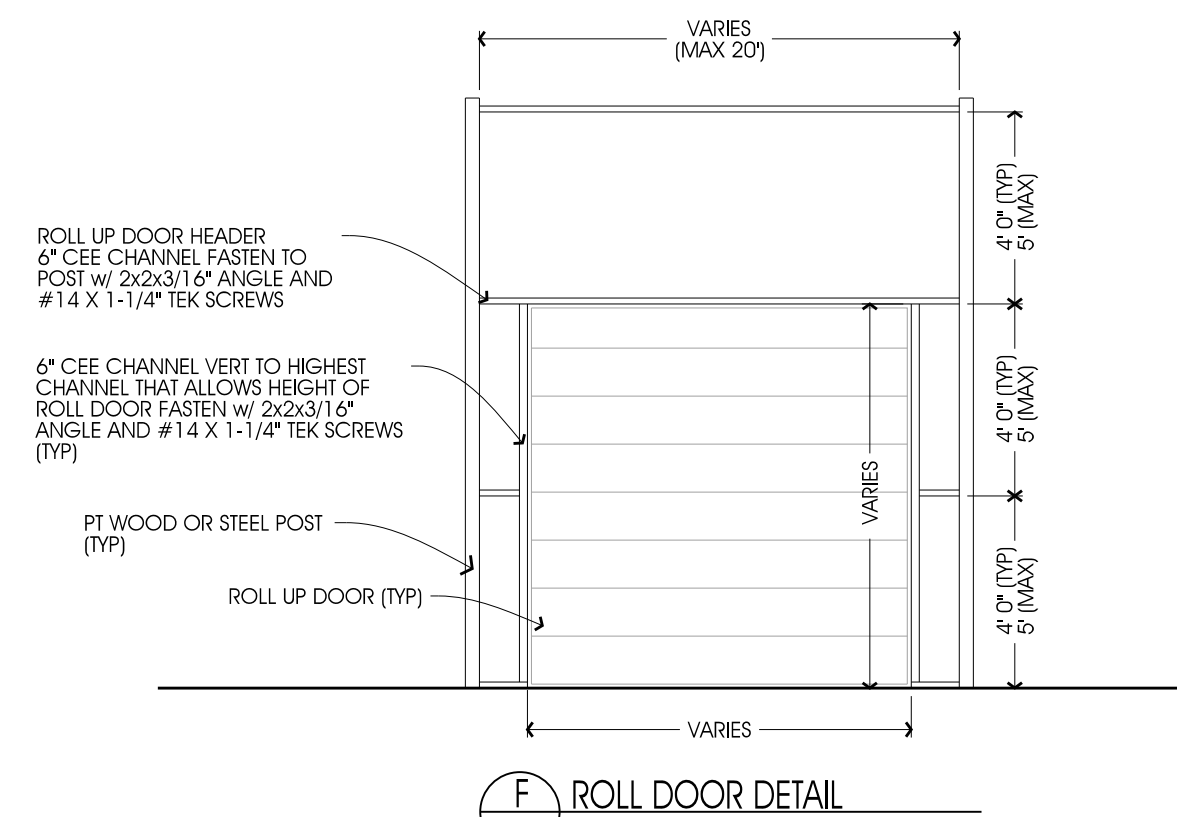
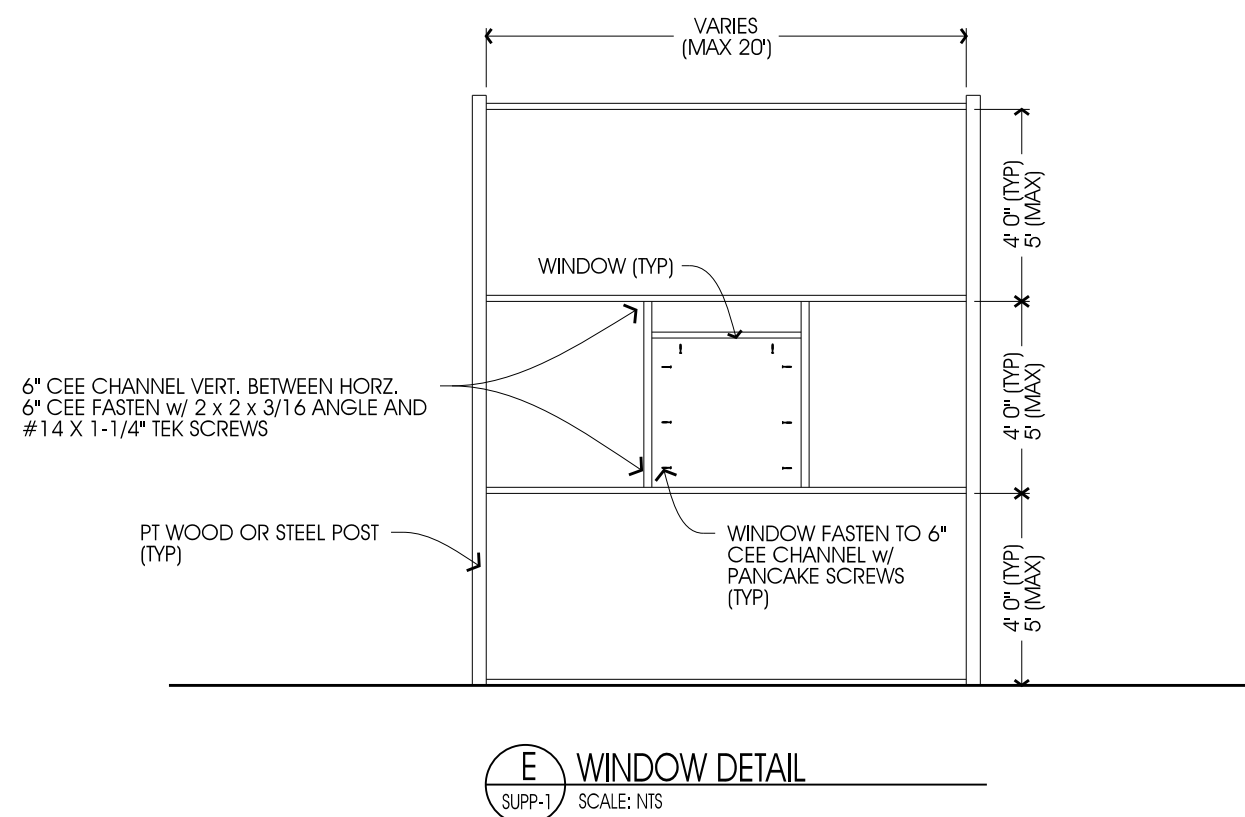
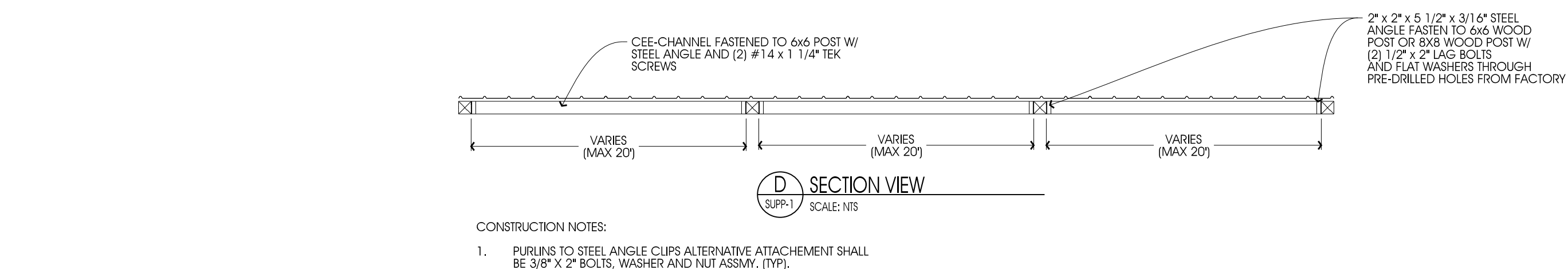
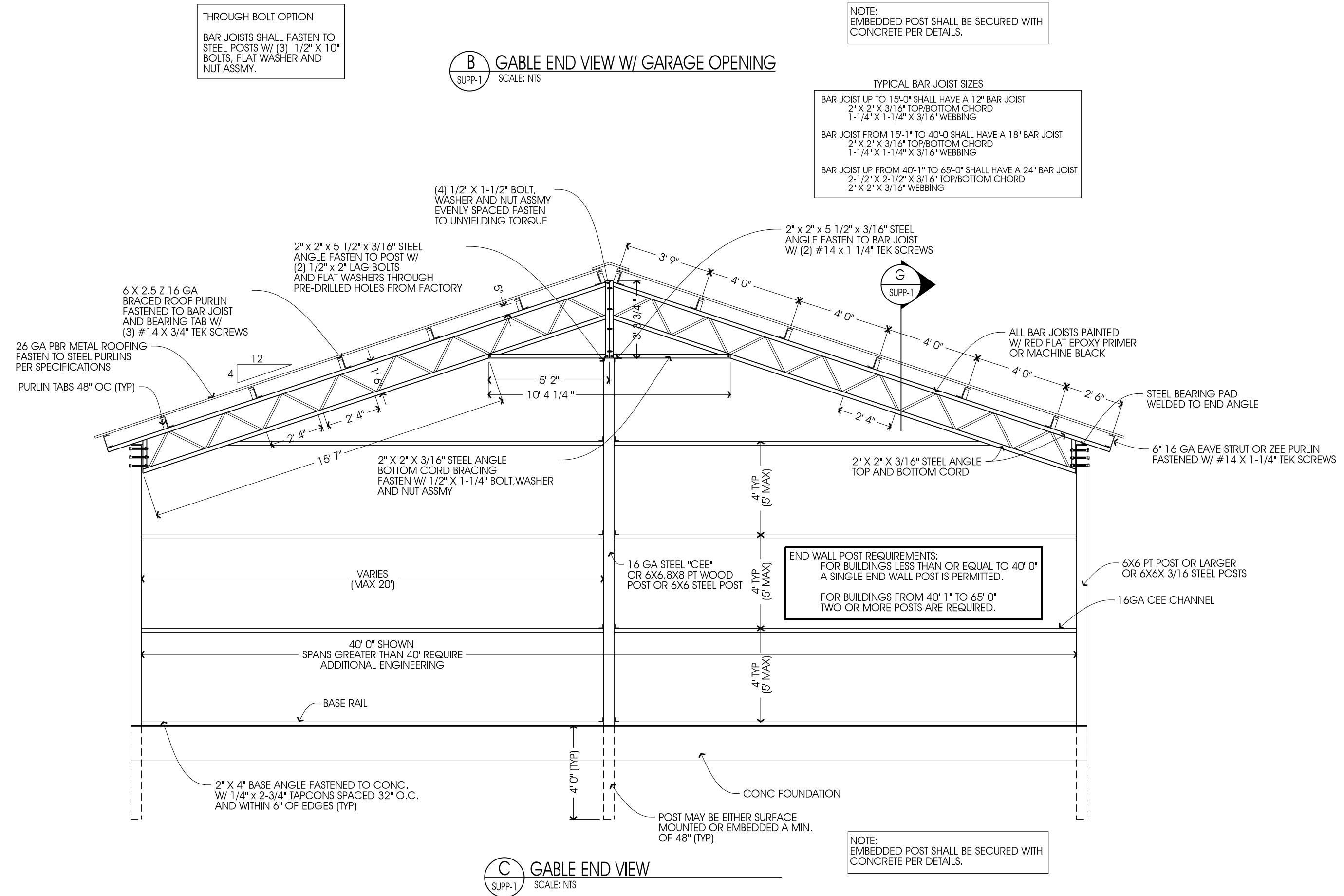
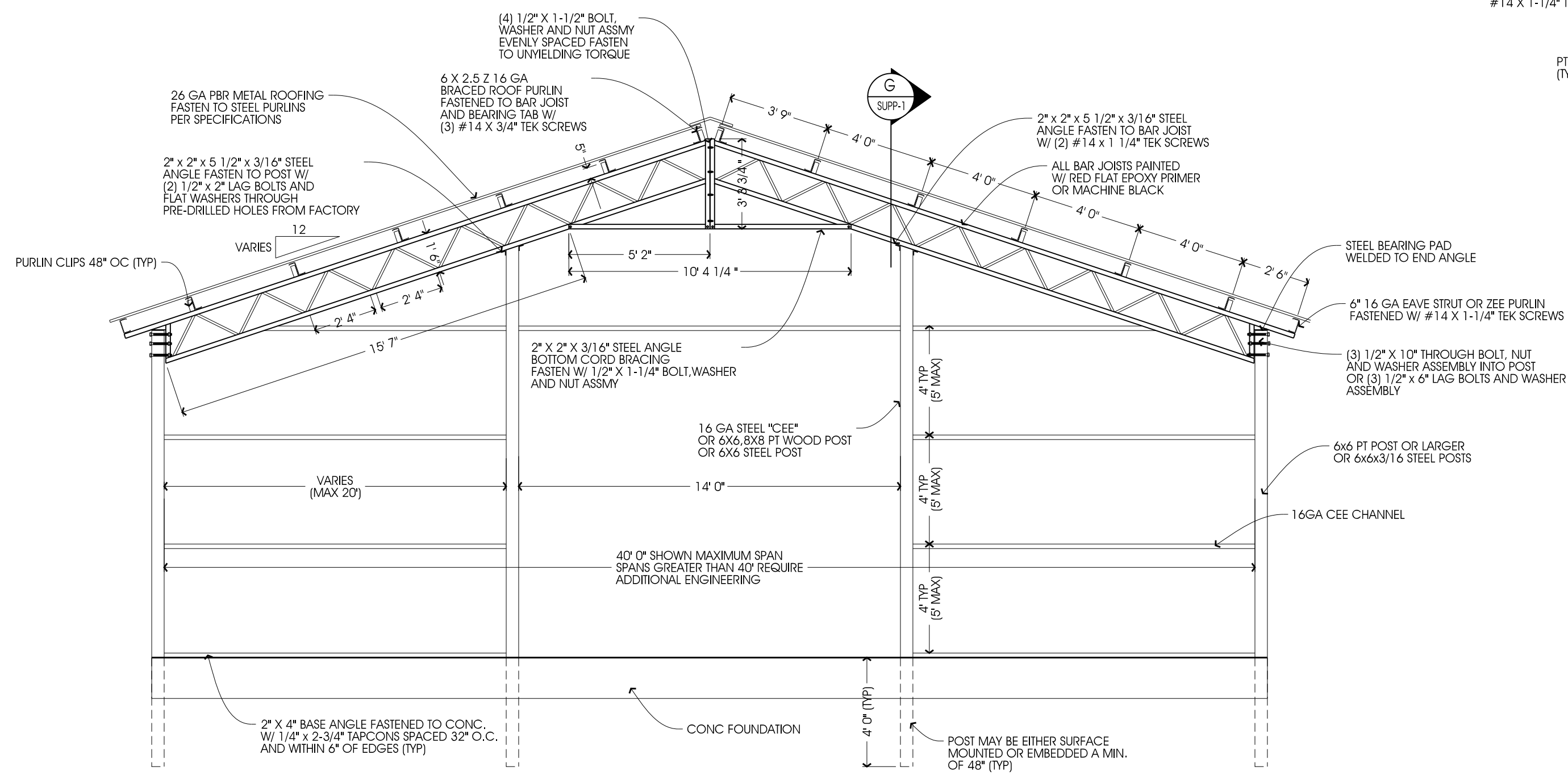
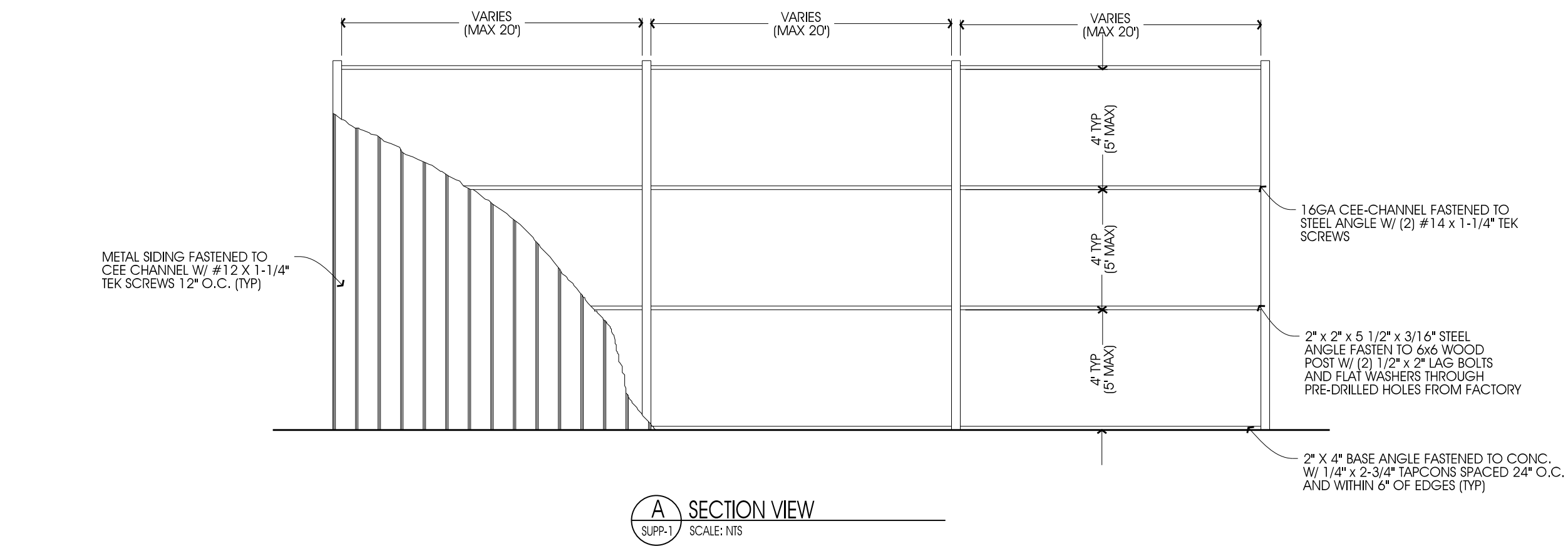


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STEEL NOTE:

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

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.

EAVE WALL ROLL UP DOOR INSTALL NOTES:

- 1) ROLL UP DOOR UPRIGHTS ATTACH TO HIGHEST PURLIN THAT ALLOWS DOOR HEIGHT WITH 2X2X3/16 ANGLE BRACKETS AND #14 X 1-1/4" TEK SCREWS
- 2) ROLL UP DOOR HEADER (6" CEE PURLIN) ATTACH W/ 2X2X3/16 ANGLE BRACKETS
- 3) ROLL UP DOOR TRACKS ATTACH TO VERTICAL 6" CEE CHANNEL W/ ROLL UP DOOR SUPPLIED HARDWARE

1) SAME AS ABOVE OR PER DETAIL

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 U.L.T.M.A. CODE 2023 8TH EDITION AND ASCE 7-22 WIND CODING. WITH 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 SIDINGS AND ROOFING TO MINIMUM OF 24 GAUGE GALVALUME ATTACHED TO THE COLUMNS AS SHOWN AND CONSIDERED TO BE A MIN. OF 3 SPAN.
5. FOR ZONE LOCATIONS SEE ASCE 7-22, THE MINIMUM VALUE OF "C" SHALL BE A MINIMUM OF ONE (1) ZONE LOADING SEE COMPONENTS AND CLADDING LOADING CHARTS THIS SHEET.
6. DESIGN LOADINGS:
 - DEAD LOAD = 8 PSF
 - ROOF LIVE LOAD = 20 PSF
 - WIND LOAD = PER TABLE
7. DOOR AND WINDOW DATA: SEE TABLE THIS SHEET.
8. ALL WINDOWS AND MAN DOORS MAY USE 1/4"x1" LONG TIE SCREWS IN LIEU OF THE WOOD SCREWS WHEN CONNECTING THE UNITS TO METAL FRAME. FOLLOW THE MANUFACTURERS SPECIFICATIONS FOR CLADDING CONNECTORS.
9. TYPE OF CONSTRUCTION
 - BUILDING CATEGORY II
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.
 - A. THE LIMITED WARRANTY DOES NOT COVER ANY 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.
 - B. ADDITIONALLY UNCONTROLLABLE EVENTS
"ACT OF GOD" SUCH AS TORNADOES, FLOODS OR HURRICANES ARE OUTSIDE THE DESIGN PARAMETERS OF THE LIMITED WARRANTY.

NOTE TO INSTALLER

1. INSTALLER SHALL ADD LATERAL BRACING DURING THE ERECTION PROCESS TO PREVENT BAR JOIST MOVEMENT.

COMPONENTS AND CLADDING (ε _{eff} = gcp1 = 0.00 [Open])							
VELOCITY ULTIMATE		PRESSURE (PSF)					
		ZONE			WALLS		
		ROOF	3	4/5 AVG NORMAL	4/5 AVG PARALLEL		
140 MPH	-17.4	-47.8	-54.3	18.14	-25.1	-18.4	-25.1
150 MPH	-19.9	-54.9	-62.3	27.2	-38.8	-21.2	-28.9
160 MPH	-22.7	-62.4	-70.9	24.1	-32.8	-24.1	-32.8
COMPONENTS AND CLADDING (ε _{eff} = gcp1 = +0.16 [Enclosed])							
VELOCITY ULTIMATE		PRESSURE (PSF)					
		ZONE			WALLS		
		ROOF	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	-29.9	+22.3	-32.9
160 MPH	-27.6	-67.5	-76.0	+28.9	-37.4	+28.9	-37.4
170 MPH	-30.8	-74.3	-83.6	+31.8	-41.1	+31.8	-41.1
COMPONENTS AND CLADDING (ε _{eff} = gcp1 = +0.55 [Partially Enclosed])							
VELOCITY ULTIMATE		PRESSURE (PSF)					
		ZONE			WALLS		
		ROOF	3	4/5 AVG NORMAL	4/5 AVG PARALLEL		
140 MPH	-29.3	-59.7	-65.3	+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



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
	ENGINE 311 SOW SUITE 4 DELANIE PHONE# FAX: 38 CERT N EMAIL:	DATE	BY	DESCRIPTION	

EPI

ENGINEERED PERMITS, INC.
311 SOUTH WOOLAND BLVD.
SUITE A
DELAND, FL 32720
PHONE: 386-734-0830
FAX: 386-734-8226
CERT NO. 26298
EMAIL: epi@epieng.net

PROJECT: MISSION METALS MANUFACTURING

SHEET TITLE: STEEL BAR JOIST ENCLOSURE DETAIL OPTION

SHEET NO

SUPP-1

DATE: 4/13/2025

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