

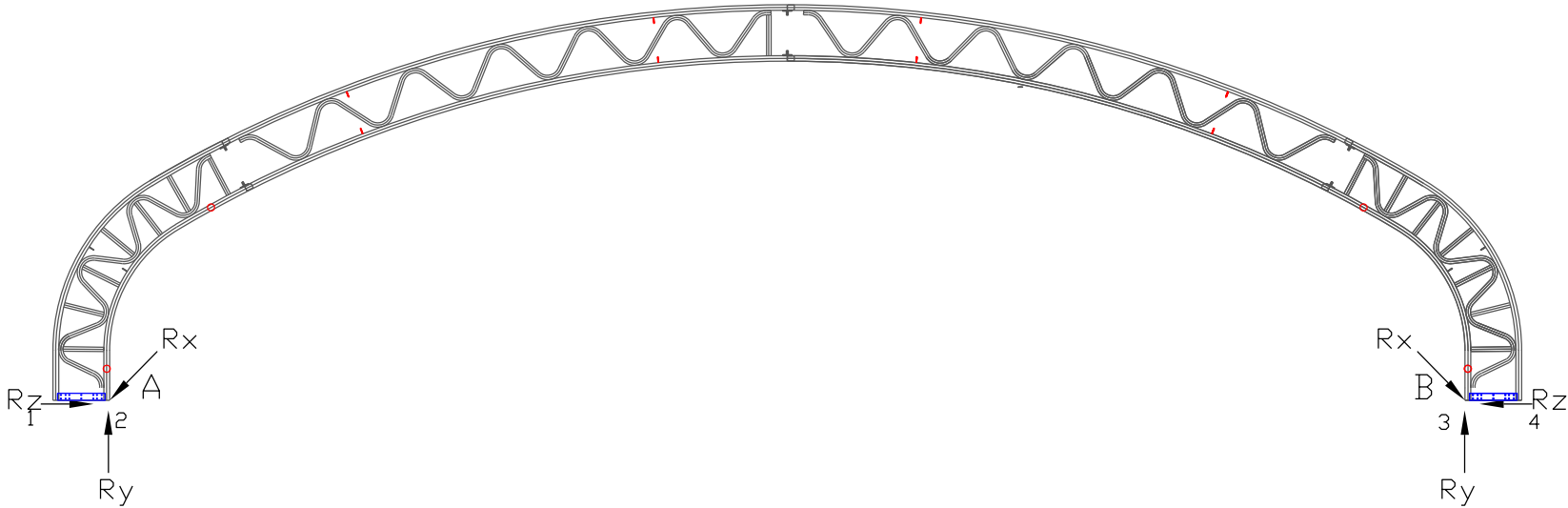
	8	7	6	5	4	3	2	1	
D	<div>A. GENERAL REQUIREMENT:<div><div>1. Furnish all labor, materials, and equipment necessary to complete the work shown or inferred by these drawings.</div><div>2. Where construction details are not shown or noted for any part of the work, such details shall be the same as for similar work shown on the drawings.</div><div>3. Notes and details on the drawings take precedence over the general notes and typical details in case of conflict.</div><div>4. Locate and protect underground or concealed conduit, plumbing or other utilities where new work is being performed.</div><div>5. The contract drawings and specifications represent the finished structure and do not indicate methods, procedures or sequence of construction. The contractor shall take necessary precautions to maintain and insure the integrity of the new and any existing structures during construction. The design stresses shall not be exceeded during construction based on the age of each element. Neither the owner nor Architect/Engineer will enforce safety measure regulations. Installation Contractor shall design, construct and maintain all safety devices, including shoring and bracing for the new and any existing structures and shall be solely responsible for conforming to all local, state and federal safety and health standards, laws and regulations.</div><div>6. Obtain prior written approval for any changes to the drawings.</div><div>7. The contractor shall review and compare the structural drawings with all other Construction Documents, such as Architectural, Mechanical and Electrical drawings, specifications, etc. Do not scale drawings. The contractor shall verify dimensions, elevations and all information. Report, in writing, any inconsistencies, errors, or omissions to the Architect/Engineer of record before proceeding with the work.</div><div>8. All existing constructions are shown schematic only. Installation Contractor is responsible to verify actual conditions and allow for them in his bid. Notify the Architect/Engineer, in writing, in case of any discrepancy between actual conditions and what is shown on the structural drawings before proceeding with the work.</div><div>9. See Architectural, Mechanical, Electrical and other drawings for embedded items.</div><div>10. All communication shall be in writing. No verbal communications, decisions, instructions or approvals shall be valid.</div></div><div>B. CODE AND LOADS:<div><div>1. All material and construction work for this project shall conform to the 2015 International Building Code</div><div>2. The International Building Code Parameters:<div><div>a. Roof Dead Load = 0.25 PSF,</div><div>b. Ground Snow Load = 0 PSF</div><div>c. Roof Snow Load = 0 PSF</div><div>d. Roof Live Load = 5 PSF</div><div>e. Seismic Ocupancy Category = II</div><div>f. R, response modification coefficient = 3.0</div><div>g. Designed wind speed, V3g = 110, Exposure = C, Category II</div></div></div></div></div></div>								
C									
B	<div>C. HOT-ROLLED STEEL:<div><div>1. Tube Frames shall be manufactured from steel with the following properties: A500 steel<div>a. Yield strength: 50,000 psi. Tensile Strength: 55,000 psi</div></div></div></div> <div>D. FOUNDATION DESIGN:<div><div>1. Foundation design/check to support the new truss reactions/loads was not included in the scope of service by Precision Structural Engineering.</div><div>2. Any foundation shown on this drawings, if any, are approximate and need to be checked/adjusted to the local site conditions and local soil properties by a licensed Engineer hired by the Contractor/Builder or Owner of this shelter.</div><div>3. If this Project has soil anchors, see page S-0A for alternative method to item No. 2 above.</div></div></div>								
A									
	8	7	6	5	4	3	2	1	

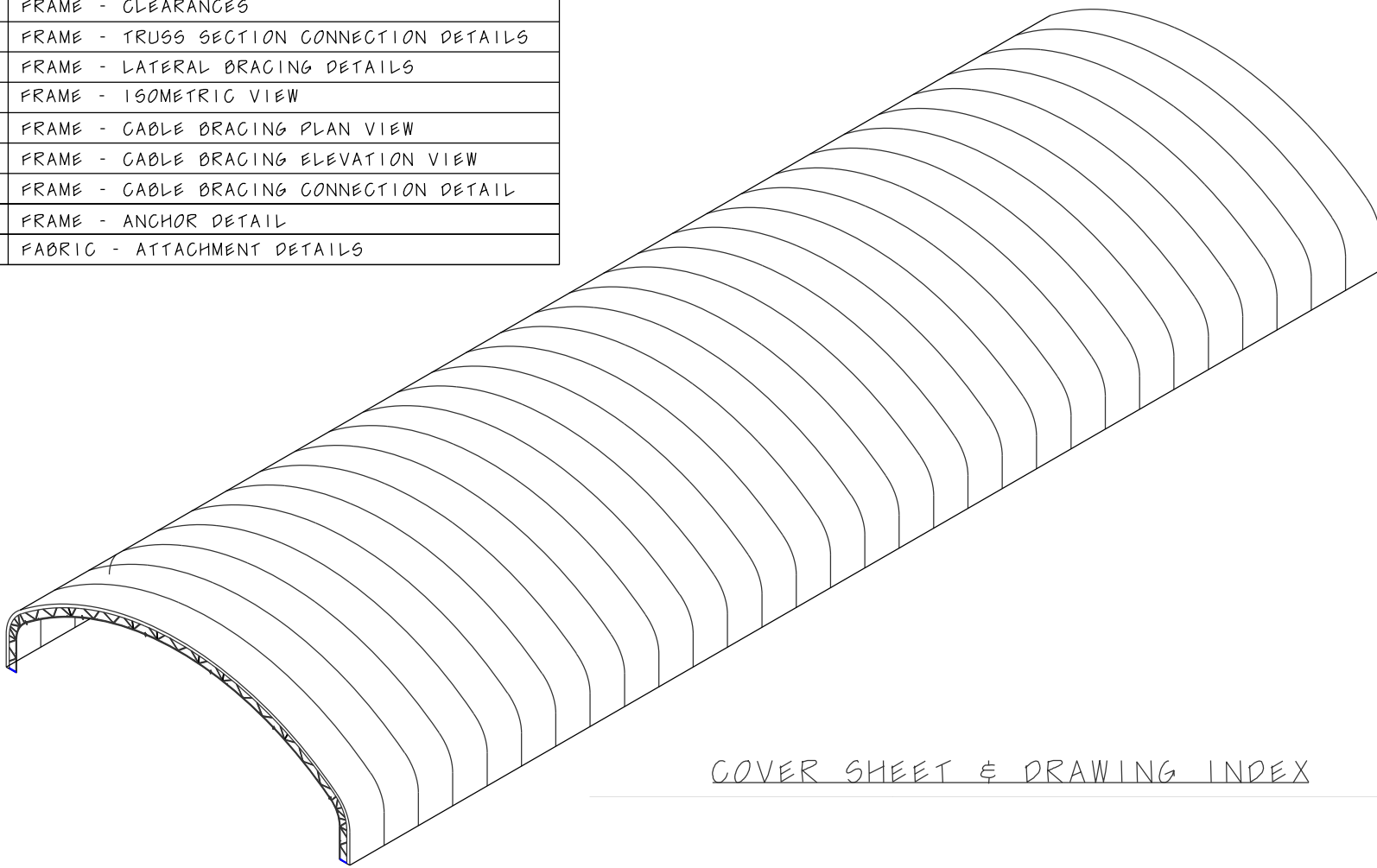
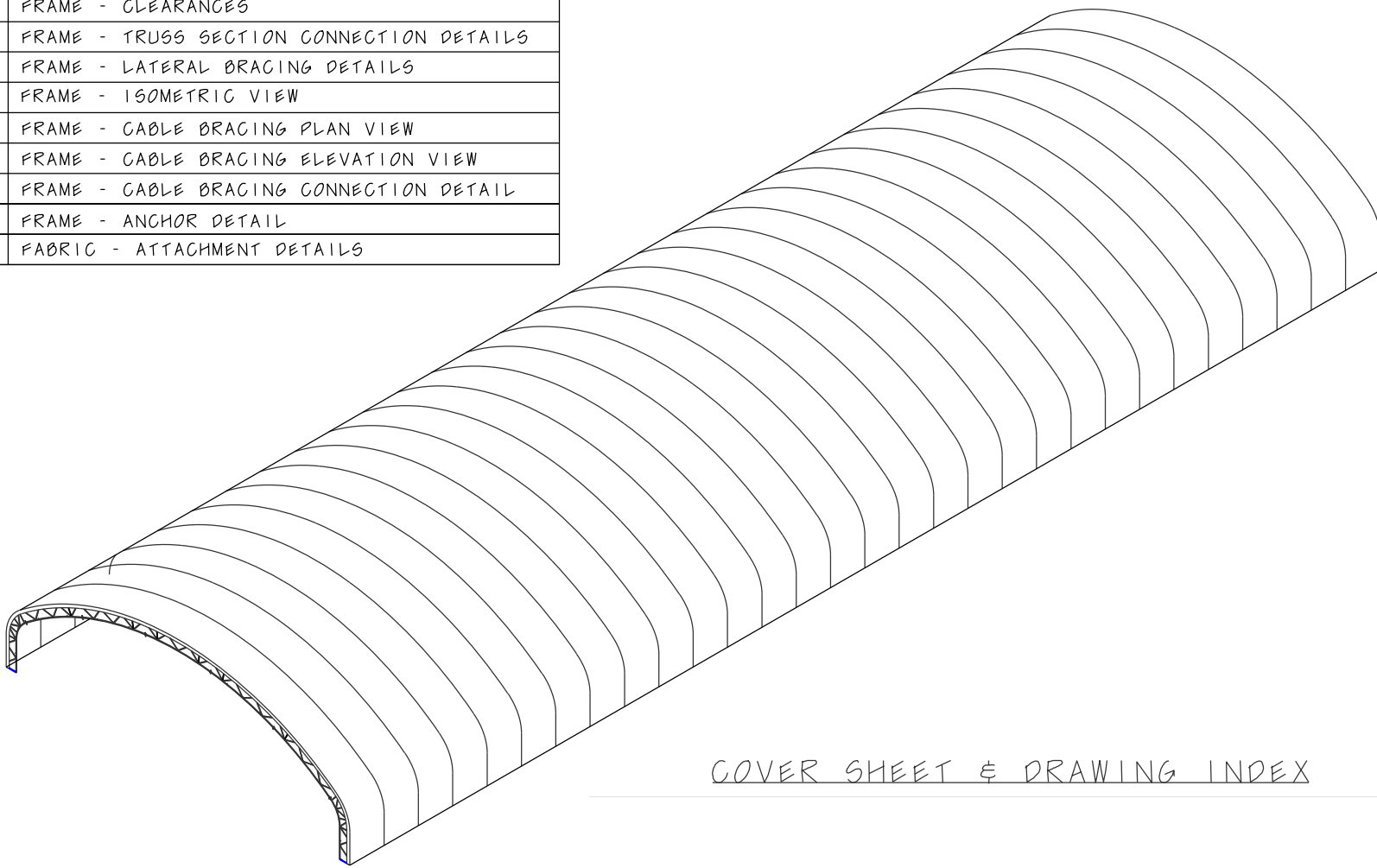
D. FOUNDATION DESIGN CONTINUED:

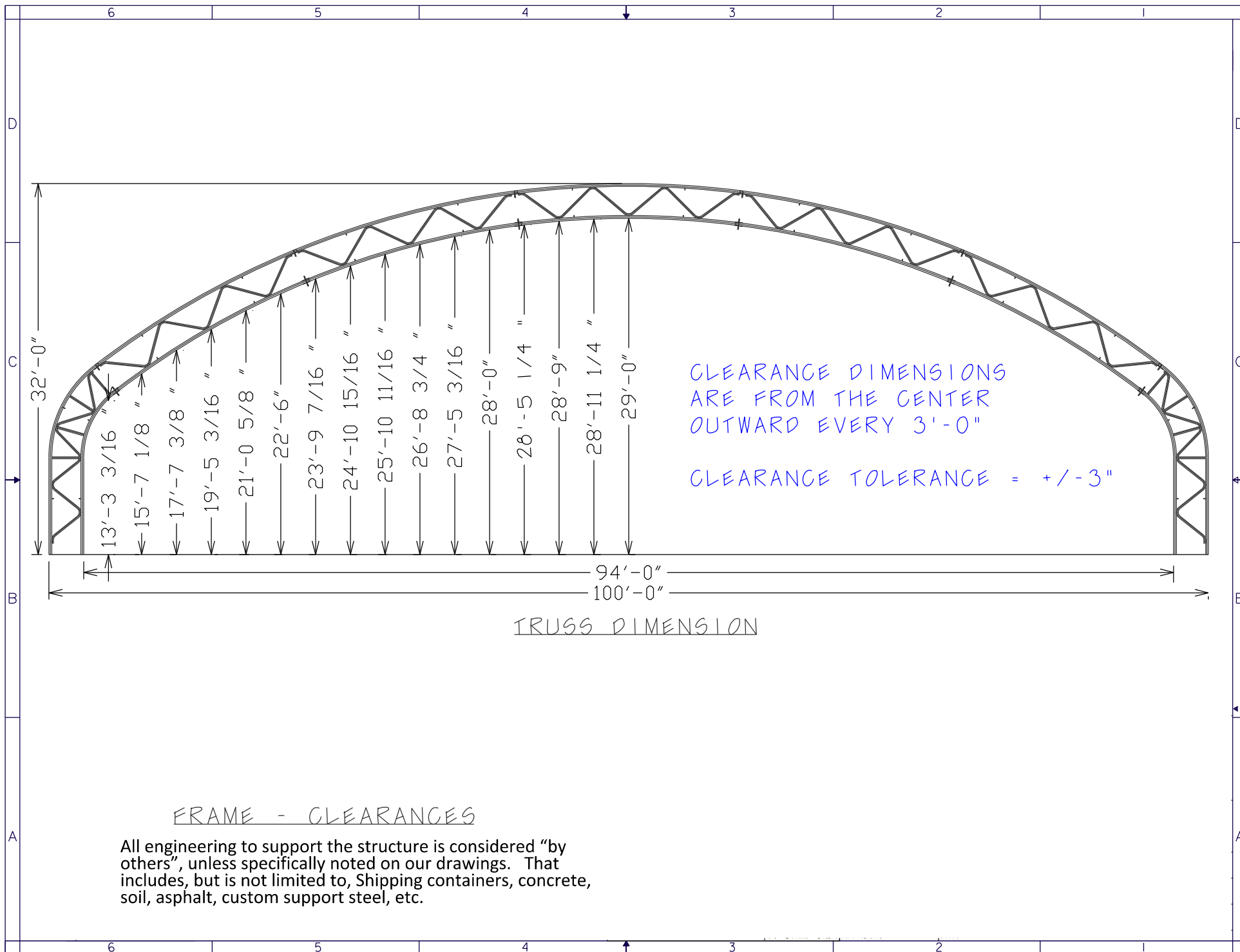
5. Foundation must meet the building reaction data shown below.

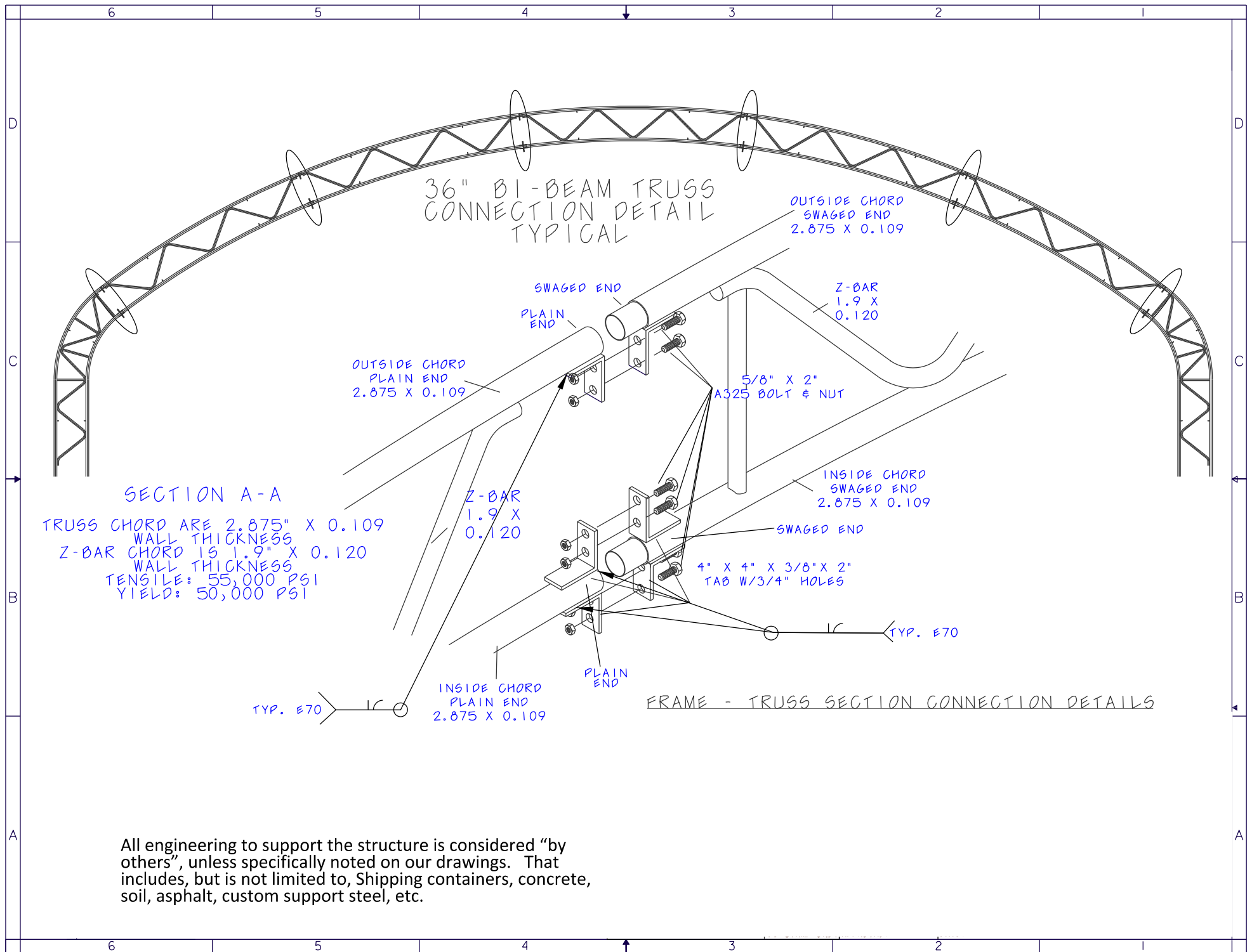
*See notes below		UNFACTORED BASE REACTIONS TO CONSIDER AT TYPICAL BASES											
Load Case		Side A, Joint 1 (Nxx as per RISA Model)			Side A, Joint 2 (Nxx as per RISA Model)			Side B, Joint 3 (Nxx as per RISA Model)			Side B, Joint 4 (Nxx as per RISA Model)		
		Rx (kip)	Ry (kip)	Rz (kip)	Rx (kip)	Ry (kip)	Rz (kip)	Rx (kip)	Ry (kip)	Rz (kip)	Rx (kip)	Ry (kip)	Rz (kip)
Dead Load, Self Weight	DL	0	0.633	-0.425	0	0.183	-0.003	0	0.191	0.003	0	0.626	0.425
Roof Snow/ Live Load	SL/ RLL	0	2.123	-1.692	0	0.291	-0.017	0	0.324	0.017	0	2.093	1.692
Wind Load, Normal to Ridge, Case A	WLZ(+GCp)	0	-10.275	8.905	0	3.334	0.035	0	-4.453	-0.017	0	-4.5	-3.441
Wind Load, Normal to Ridge, Case B	WLZ(-GCp)	0	-7.202	7.181	0	4.604	0.016	0	-3.352	0.002	0	-1.238	-1.711
* Wind Load, Along to Ridge, Case A ^a	WLX(+GCp)												
* Wind Load, Along to Ridge, Case B ^a	WLX(-GCp)												

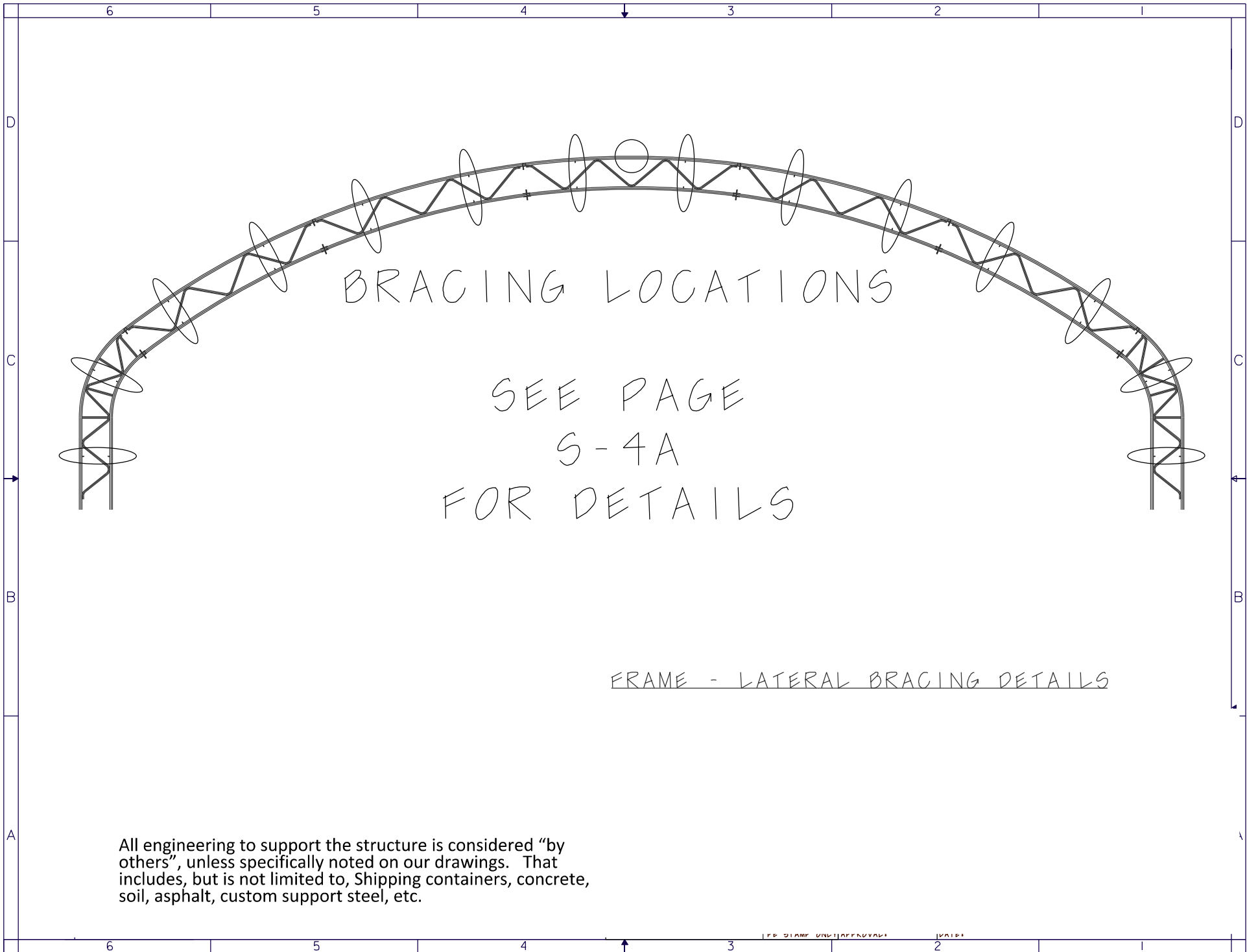
TYPICAL REACTION AT BASE
FOR INTERMEDIATE FRAME
① Scale: N.T.S.



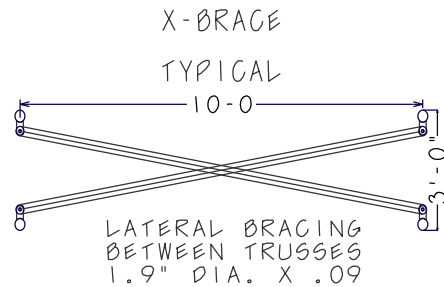
	6	5	4	3	2	1			
	INDEX OF DRAWINGS								
	DRAWING #	DRAWING TITLE							
	S1	COVER SHEET & DRAWING INDEX							
	S2	FRAME - CLEARANCES							
D	S3	FRAME - TRUSS SECTION CONNECTION DETAILS							
	S4, S4A	FRAME - LATERAL BRACING DETAILS							
	S5	FRAME - ISOMETRIC VIEW							
	S6	FRAME - CABLE BRACING PLAN VIEW							
	S7	FRAME - CABLE BRACING ELEVATION VIEW							
	S8	FRAME - CABLE BRACING CONNECTION DETAIL							
	S9, S9A	FRAME - ANCHOR DETAIL							
	S10	FABRIC - ATTACHMENT DETAILS							
C									
B									
	COVER SHEET & DRAWING INDEX								
A	<p>All engineering to support the structure is considered “by others”, unless specifically noted on our drawings. That includes, but is not limited to, Shipping containers, concrete, soil, asphalt, custom support steel, etc.</p>								
	6	5	4	3	2	1			



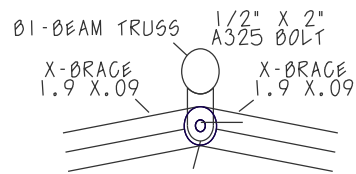




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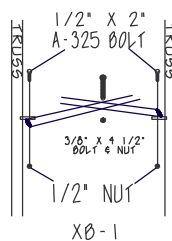


X-BRACE LAYOUT



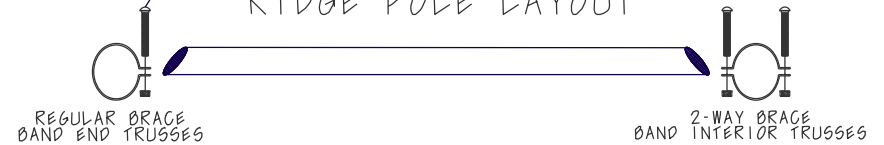
X-BRACE ATTACHMENT ANGLE
3/8" PLATE W/ 5/8" HOLES

END VIEW

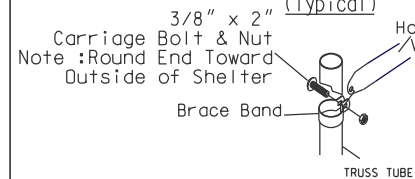


3/8" X 2"
CARRIAGE BOLT & NUT
NOTE - ROUND END TOWARD
OUTSIDE OF SHELTER

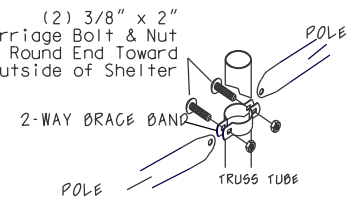
RIDGE POLE LAYOUT



Brace Band Detail (Typical)

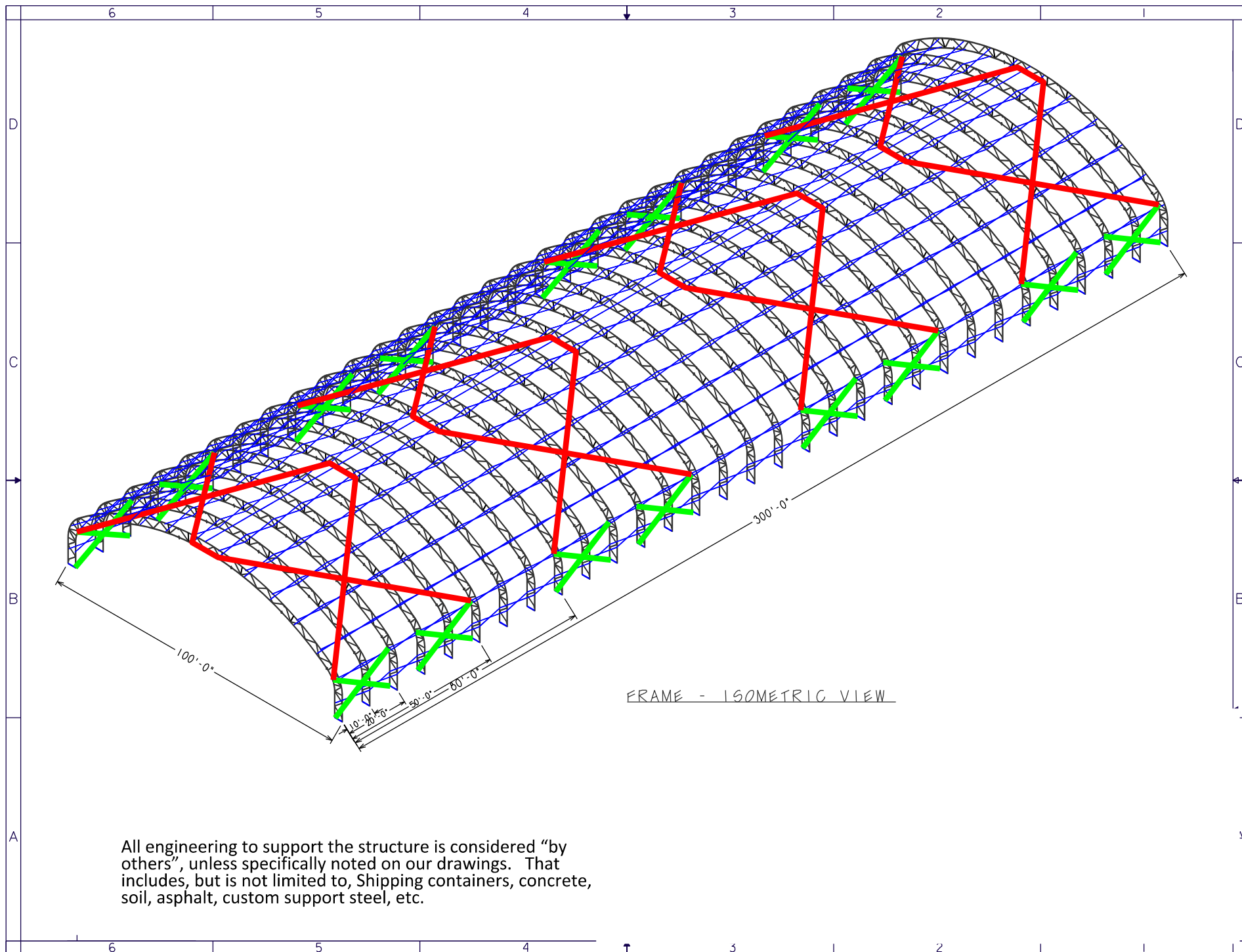


2-WAY BRACE BAND DETAIL ?TYPICAL?

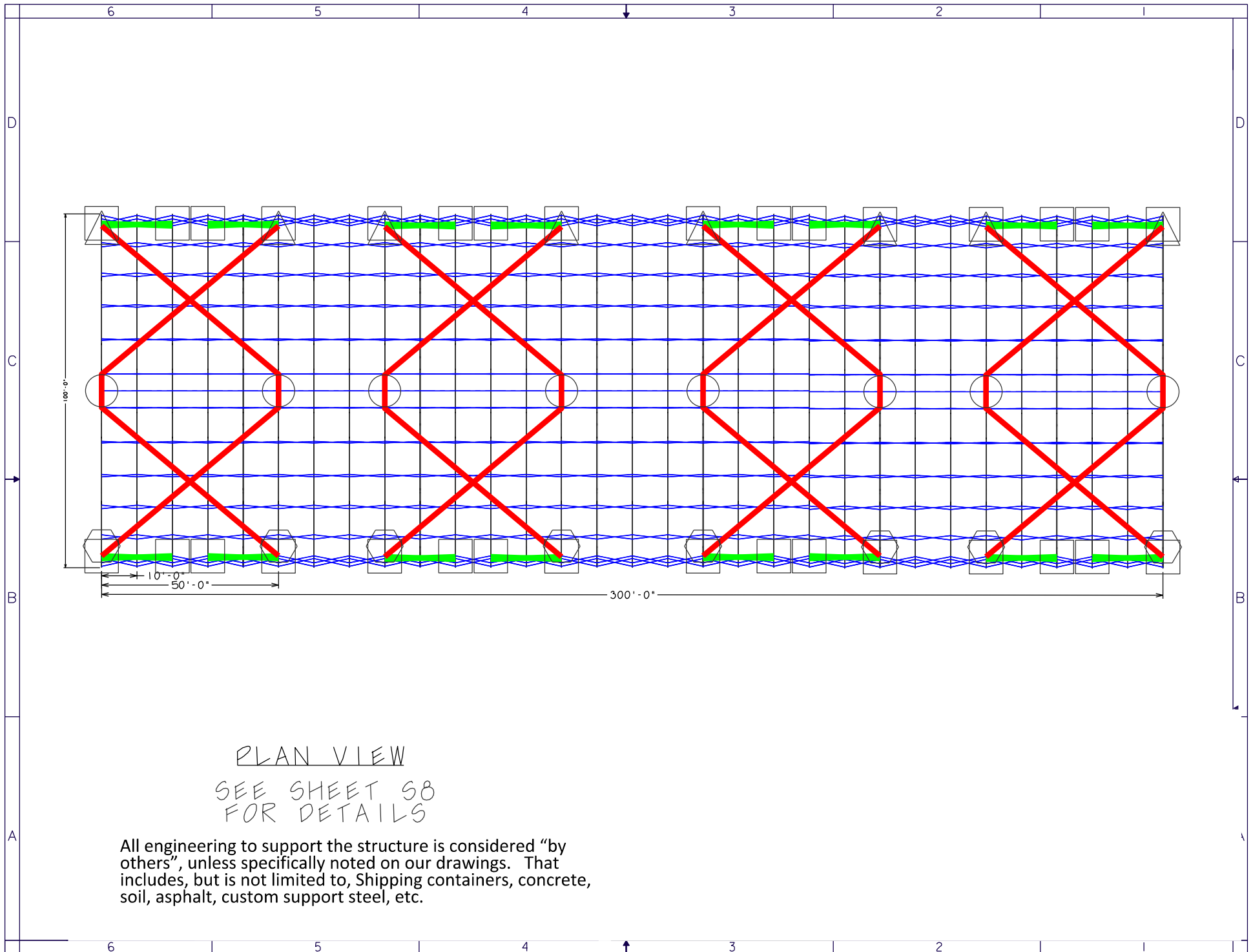


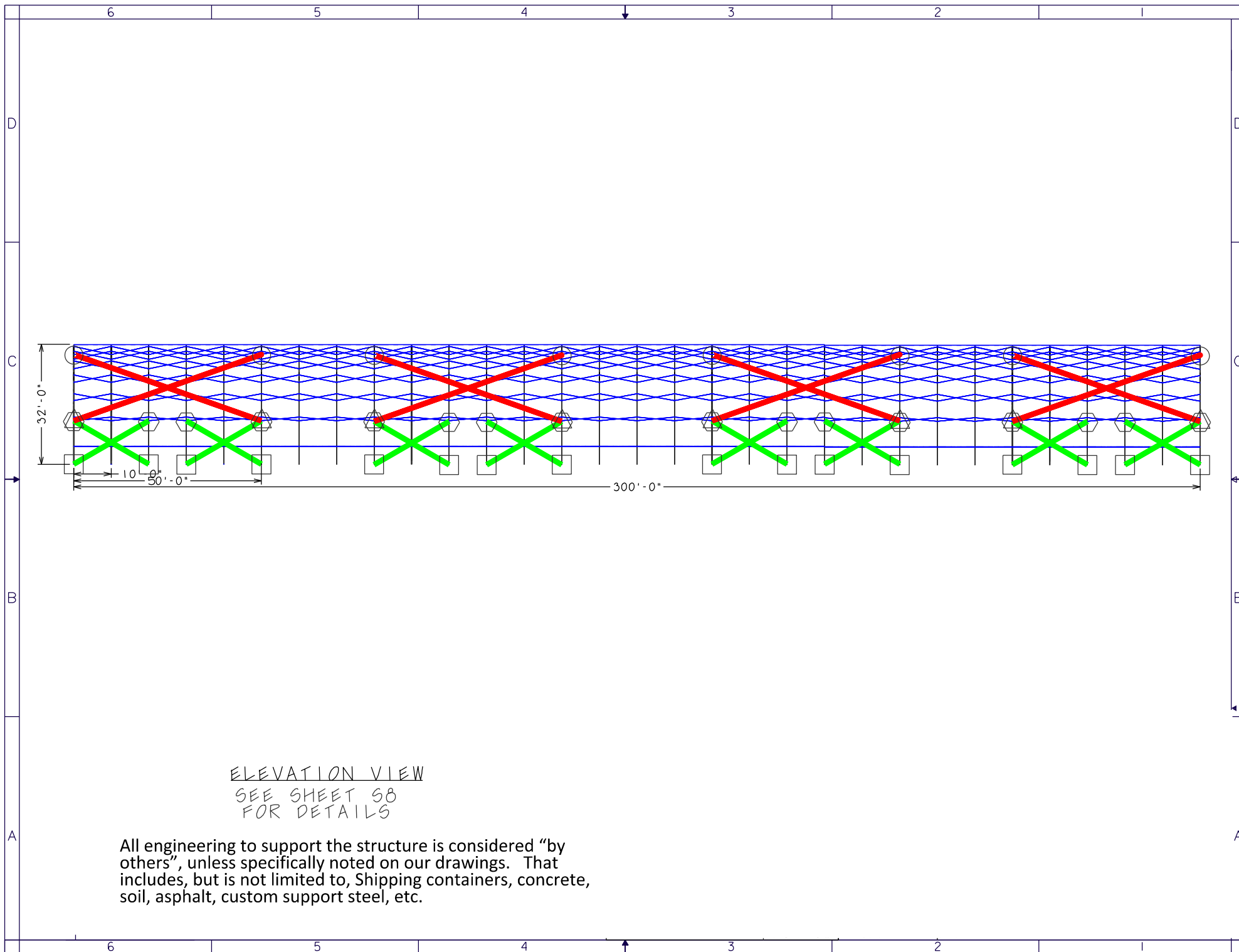
FRAME - LATERAL BRACING DETAILS

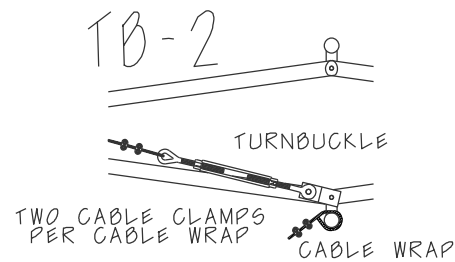
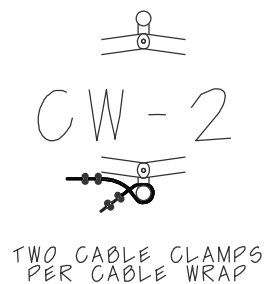
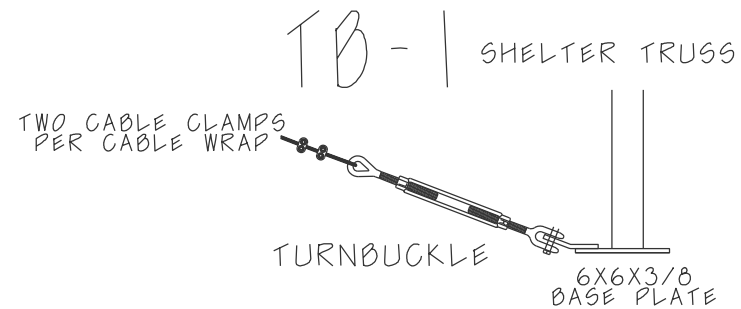
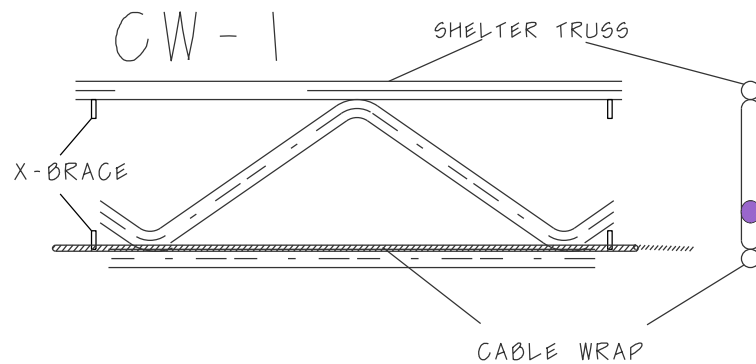
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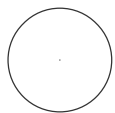
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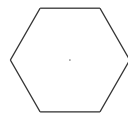




WIRE ROPE *CABLE*
7X19 GAC
1/4" GAC
BREAKING STRENGTH 3.5 TONS



CW-1



CW-2



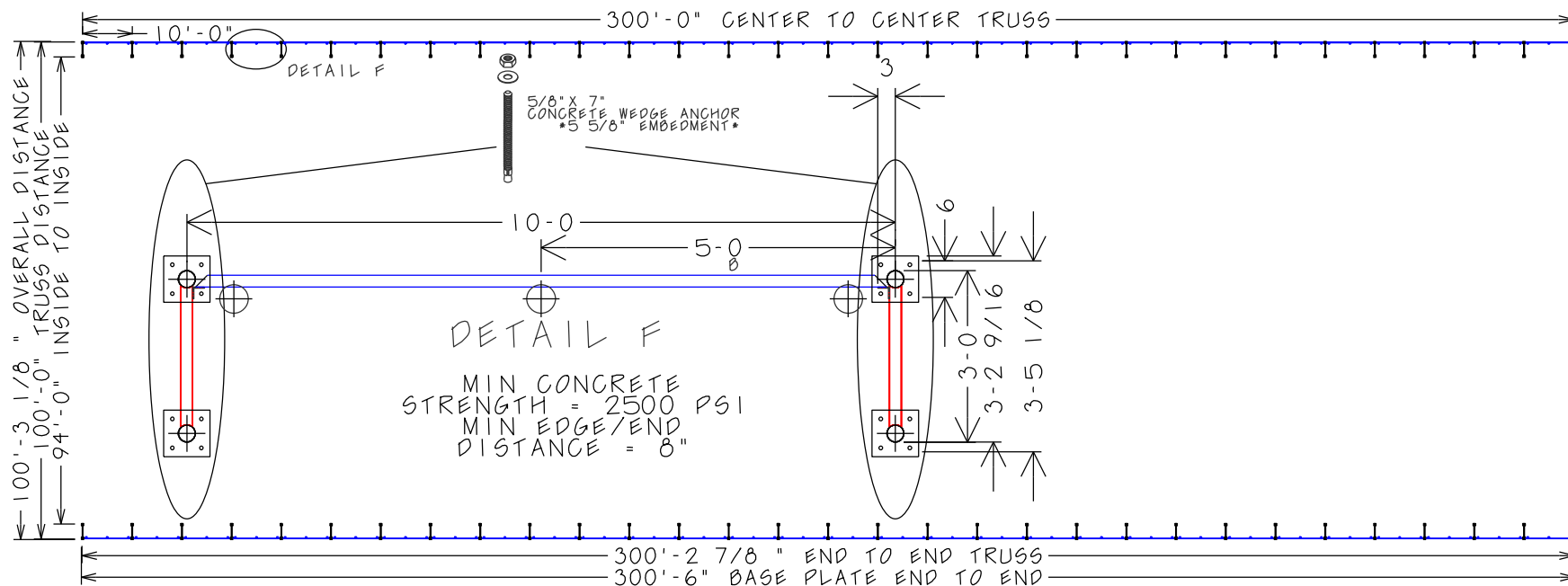
TB-1



TB-2

FRAME - CABLE BRACING CONNECTION DETAIL

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FRAME - ANCHOR DETAIL

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