

Compare Before You Buy

All buildings are engineered, but are they equal?

Fabric Covered Steel Framed Buildings: Critical Design Factors to Consider



Competitor 1

Competitor 2

Building Model			
Building Size (width x length)			
Chord Gauge - What gauge of steel is being used in the chords?			
Chord Diameter - What is the diameter of the chord steel?			
Web Gauge - What is the gauge of steel being used in the web?			
Web Dimension - What are the dimensions of the web steel?			
Truss Depth - What is the truss depth?			
Purlin Diameter - What is the diameter of the roof purlins?			
Wind Bracing - How many bays are wind braced?			
Cable Size - What size are the cables being used?			
Snow & Wind Loads - Does the building design take the effects of 'combined' wind and snow load into account?	YES		
Snow Shedding - Does the building design assume that snow will be shed from the roof of your building?	NO		
Use & Occupancy - Does your building design assume the appropriate occupancy rating? Remember, if your building is to be occupied, it needs to have an occupancy factor of at least 1.0.			
Exposure Factors - Does the building design take the proper exposure factor into account? Remember, Open terrain should be used when building exposure is in question.			
Use of fabric in the design - Does the building design use the fabric to give the building trusses lateral strength?	NO		
End Truss Strength - Does your building design consider both vertical and horizontal fabric tension in combination with snow and wind loads on the end trusses?	YES		
Steel Strength - Does your building design account for web punching or chord plastification? You may require larger web material.	YES		
Bracing - Does your building design use adequate bracing? Compare purlin and cable sizes.	YES		
Steel Specifications - Is the steel strength used in the design specified by the manufacturer or a regulatory organization ie. CSA or ASTM?	YES		
Enclosure Category - Does your building design include doors and/or windows? Have these additional wind pressures been accounted for in accordance with the building code?	YES		
Thermal Factor - Is your building unheated? If so, is it using a thermal factor of 1.2?			

