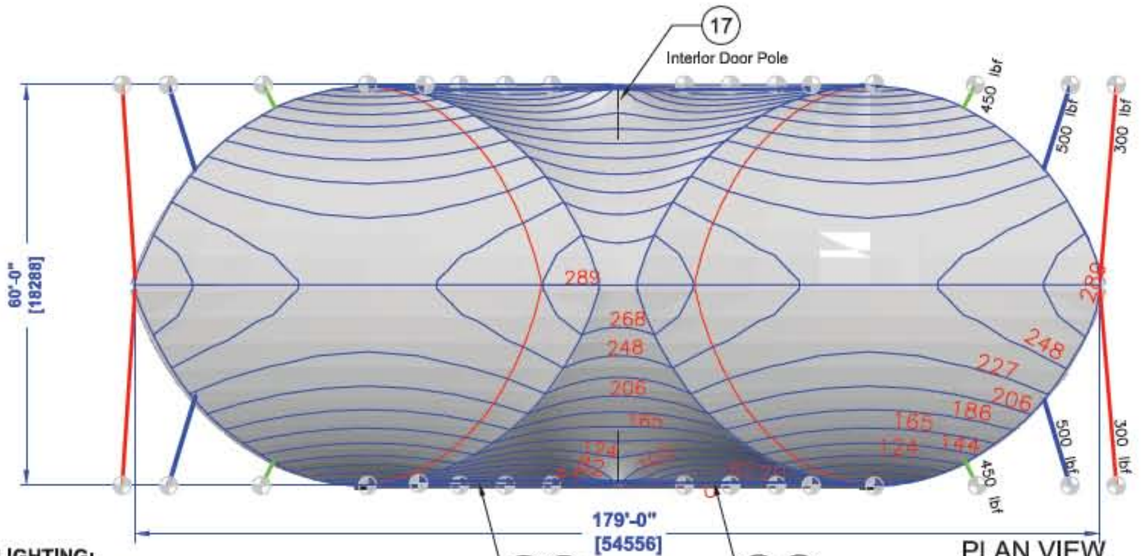
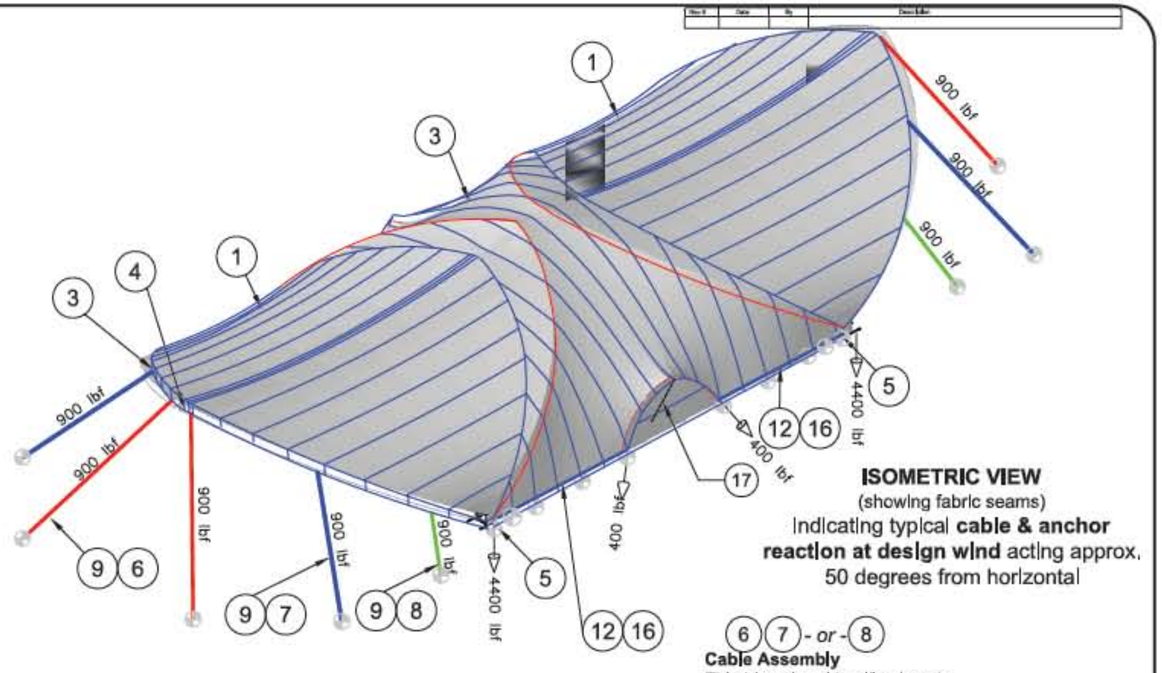
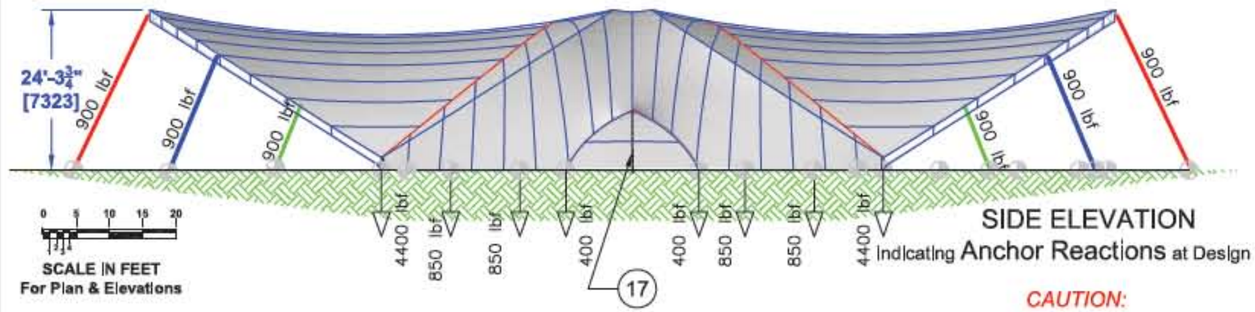


LIGHTING:
Allowable live load due to equipment such as lighting ~=250 lbs ea x 4 locations symetrical about cL & axels. Attachment shall be by web belt or clamps to pipe inserted into truss between pickets. Protect structural truss from damage. Avoid clamps.

PLAN VIEW
Indicating **Pre-Tension Force on Guy Line**
(Area = **9,768 sq ft** = **907 sq m**)
Contours are inches above datum @ 0 wind



ISOMETRIC VIEW
(showing fabric seams)
Indicating typical **cable & anchor reaction at design wind** acting approx. 50 degrees from horizontal



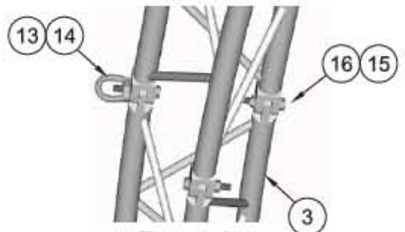
SCALE IN FEET
For Plan & Elevations

SIDE ELEVATION
Indicating Anchor Reactions at Design Wind.

ITEM #	PART #	QTY	DESCRIPTION	WEIGHT
1	40.32.004	2	S5000 TOP	1,407.3
2	40.32.005	1	S5000 DUO JOINER	400.9
3	30.60.106	24	TRUSS S5000 ALUMINUM	2,418.6
4	30.60.105	4	APEX S5000 GALV	160.9
5	30.60.100	4	BASE ASSY S5000 C/W HINGES & AXLE GALV	671.8
6	30.16.100	8	GUY CABLE ASSY SADDLESPAN-RED	66.6
7	30.16.101	8	GUY CABLE ASSY SADDLESPAN-BLUE	42.0
8	30.16.102	8	GUY CABLE ASSY SADDLESPAN-GREEN	20.2
9	30.16.210	24	STRAP 2 IN X 18ft IN WITH SAFETY HOOK	70.9
10	40.45.507	12	WEB STRAP 2 IN X 60 IN WITH LOOP	11.7
11	30.73.020	28	ANCHOR WINCH COMPLETE	170.1
12	30.46.026	8	SLEEVE STANDARD COMPLETE MD	17.7
13	20.23.035	24	NUT EYE 0.625 CROSBY G500 # 5 - 3/4 THREAD	24.0
14	20.22.005	96	BOLT HEX HD 0.75 X 4.5 NC PL GR8	57.6
15	20.23.006	72	NUT HEX 0.75 G2 NC PL	7.5
16	30.30.007	12	TUBE ALUM 8 FT MD (2.5 IN X 0.100)	82.9
Not Shown	30.25.202	2	DOOR POLE - ADJUSTER ASSY S5000 JOINER	39.0
Not Shown	70.63.014	1	MANUAL SS INSTALLATION & VIDEO	2.0
Total lbs	50.32.011		DUO SPAN SYSTEM S5002 OPEN	5,672
			Appropriate Anchor Kit required to complete structure installation	

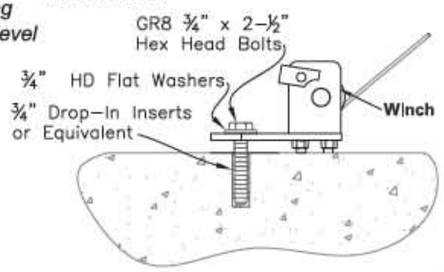
Note:
Extra Guy & rigging hardware has been included in this Bill of Materials to allow the user to install this equipment as two S5000 Concerts.

CAUTION:
Tilting canopy off-horizontal will increase wind lift & drag forces exponentially, effectively lowering Design Wind. Canopy shall be level in regions of high wind.

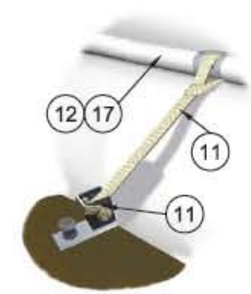


Truss & Guy Connection Detail
View from below

CAUTION:
Installer shall verify suitability of this or other anchorage to soil conditions.



Concrete Anchorage



TYPICAL
End Wall Tubing to Anchor Winch Connection

Anchor bar used on Blue & Red Guys with less than optimum soils conditions

WARNING:
Possible underground hazards.

6 7 - *or* - 8
Cable Assembly
Thimble colour identifies length

PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO
GERY A. WARNER
DESIGN SOLUTIONS

This parts list DOES NOT include anchor hardware. A number of anchorage kits are available to suit various site conditions and surfaces. Consult your Saddlespan Installation manual and Load list for anchorage hardware lists.

Designed to meet or exceed the following requirements: Design Wind 80 MPH (Basic Wind Speed, 3 second gust), exposure B per 2003 IBC when installed with one end closed. Exit & egress comply. Fabric exceeds the minimum requirements of ULC S-109, CA Fire Marshall, & European M1.
User Notes: Tent integrity is a direct function of installation quality. Follow installation instructions adding ballast as conditions require. Do not exceed design parameters or local ordinances for public assembly. Reaction forces shown are for test-bed conditions only. Hills or other land forms, windward obstructions & other local conditions will alter actual forces considerably. Anchorage & guying indicated on this drawing may or may not be appropriate for soil & site conditions. When in doubt, consult local engineer. Minimum clearance height required for installation = 13,270 mm = 43ft 7 in". Maintain minimum 12" clearance from fabric to interior objects. *Terminology reserved right to change specifications without notice.*
CLIMBING ON TENT CAN RESULT IN INJURY OR DEATH.

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Duo Span System S5002 Open
General Arrangement

Project: Saddle Span		Scale: NTS	Sheet No.: 1 of 1
Dwg By: BrySch	Date:	File No.	50.32.011
Ck'd By: ALI	Appv'd: GW		