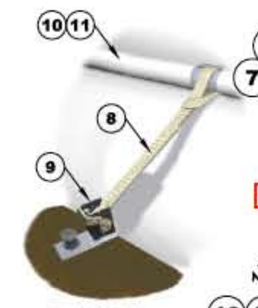
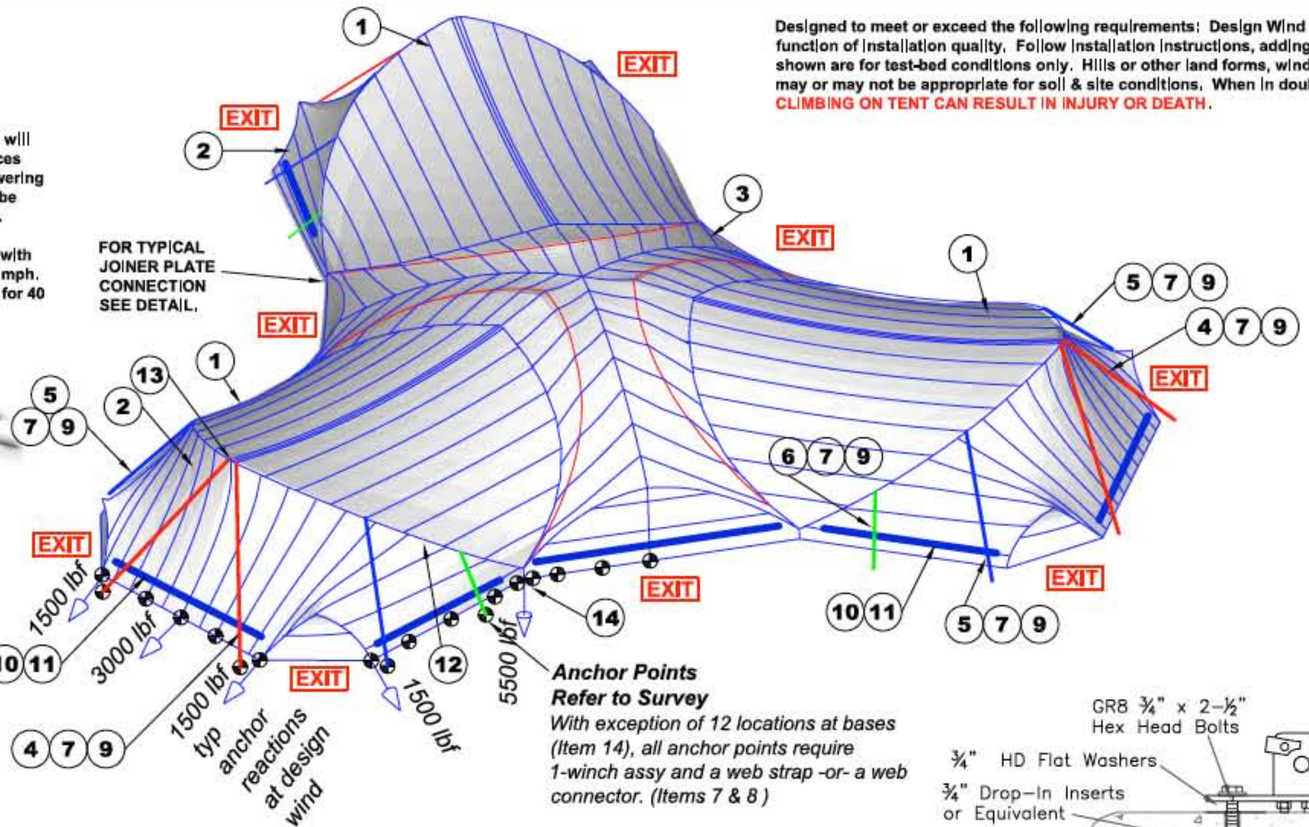
Designed to meet or exceed the following requirements: Design Wind ANSI = 70 MPH Fastest Mile = NBC 4.1.8; Fire = ULC S109, Calif. Fire Marshall, & M2. User Note: Tent integrity is a direct function of installation quality. Follow installation instructions, adding stakes as conditions require. Do not 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. Stakes & 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".
CLIMBING ON TENT CAN RESULT IN INJURY OR DEATH.

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.

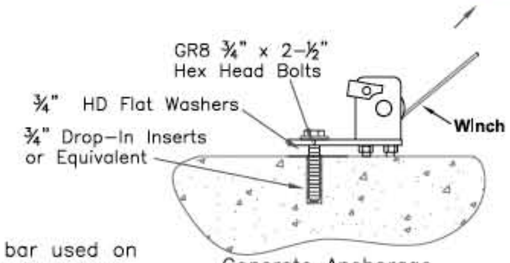
Magnitude of vectors varies with wind. Vectors shown for 70 mph. Multiply magnitudes by 0.45 for 40 mph or 1.8 for 80 mph.



TYPICAL
End Wall Tubing to Anchor Winch Connection



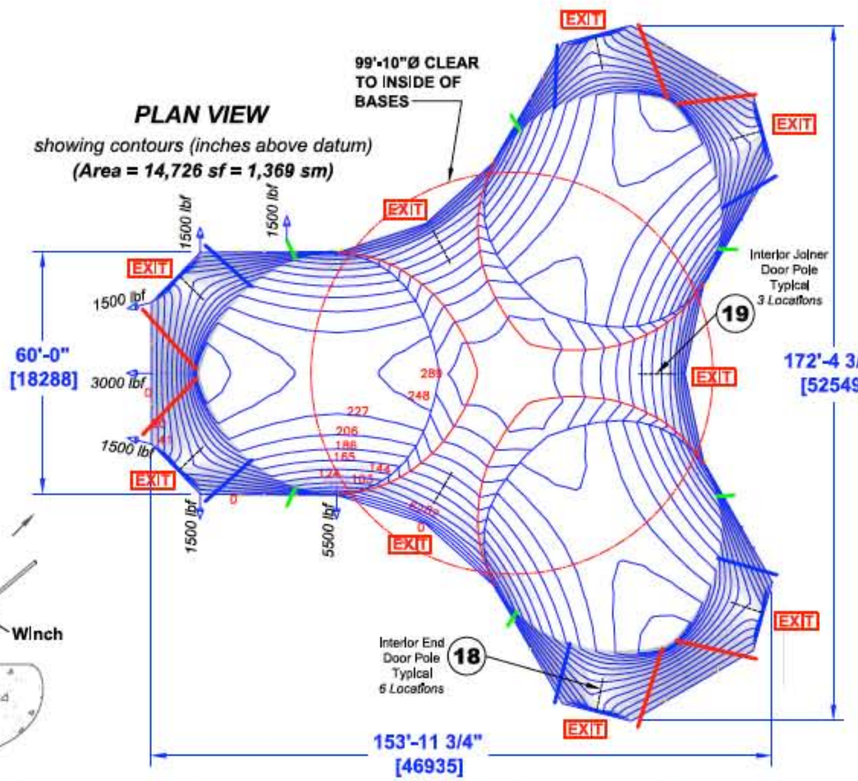
Anchor Points Refer to Survey
With exception of 12 locations at bases (Item 14), all anchor points require 1-winch assy and a web strap -or- a web connector. (Items 7 & 8)

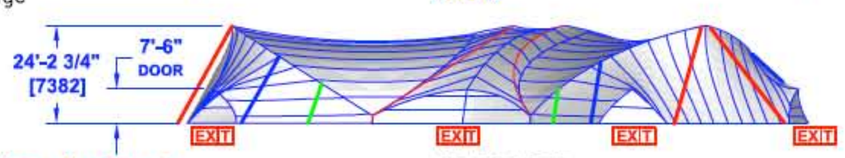


Concrete Anchorage

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

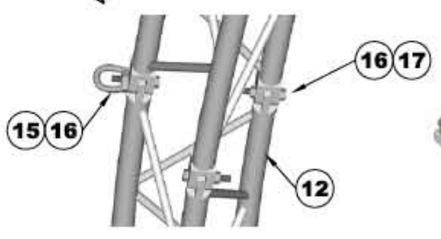
PLAN VIEW
showing contours (inches above datum)
(Area = 14,726 sf = 1,369 sm)





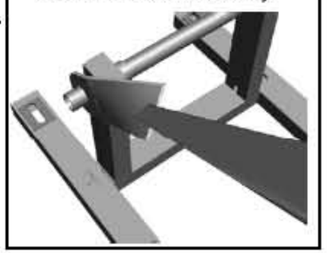
ELEVATION

WARNING:
Possible underground hazards.



Truss & Guy Connection Detail
View from below

TRI SPAN JOINER PLATE ARRANGEMENT
View from Above
Fabric removed for visibility



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.

ITEM #	PART #	QTY.	DESCRIPTION	WEIGHT LBs
1	40.32.004	3	S5000 TOP	1,945.1
2	40.32.003	3	S5000 END	1,246.6
3	40.32.006	1	S5000 JOINER TRI-SPAN	712.2
4	30.16.100	6	GUY CABLE ASSY SADDLESPAN-RED	49.9
5	30.16.101	6	GUY CABLE ASSY SADDLESPAN-BLUE	31.5
6	30.16.102	6	GUY CABLE ASSY SADDLESPAN-GREEN	15.1
7	30.16.210	18	STRAP 2 IN X 168 IN WITH SAFETY HOOK	53.2
8	40.45.507	39	WEB STRAP 2 IN X 60 IN WITH LOOP	21.4
9	30.73.020	57	ANCHOR WINCH COMPLETE	246.0
10	30.45.026	18	SLEEVE STANDARD COMPLETE MQ	12.1
11	30.30.008	27	TUBE ALUM 9.25 FT MQ (2.5 IN X 0.100)	215.8
12	30.60.106	36	TRUSS S5000 ALUMINUM	3,627.9
13	30.60.105	6	APEX S5000 GALV	241.3
14	30.60.100	6	BASE ASSY S5000 C/W HINGES & AXLE GALV	999.3
15	20.23.035	36	NUT EYE 0.625 CROSBY G500 # 5 - 3/4 THREAD	36.0
16	20.22.005	144	BOLT HEX HD 0.75 X 4.5 NC PL GR8	86.4
17	20.23.006	108	NUT HEX 0.75 GR2 NC PL	11.4
18	30.25.201	6	DOOR POLE - ADJUSTER ASSY S5000	72.9
19	30.25.202	3	DOOR POLE - ADJUSTER ASSY S5000 JOINER	49.8
Not Shown	70.63.014	1	MANUAL SS INSTALLATION & VIDEO	2.0
Total lbs	**50.32.007**		**TRI SPAN SYSTEM S5000 COMPLETE**	**9,676**

LIGHTING:
Allowable live load due to equipment such as lighting ~=250 lbs ea x 4 locations symmetrical about CL & axels. Attachment shall be by web belt or clamps to pipe inserted into truss between pickets.
***Do not** clamp to truss.*

Rev #	Date	By	Description
01	01 June 04	BRNS	Reformat layout, update Guy cable locations, add Exit notations
02	13 June 05	BRNS	Update Guy Cable Images, Add anchor winches and End wall anchor bars
03	31 July 07	BRS	Updated Anchorage

0 10 20 30 40
SCALE IN FEET

TRI SPAN SYSTEM S5000 COMPLETE
General Arrangement

Project: Saddlespan		Scale: NTS	Sheet No.: 1 of 1
Dwg By: BRNS / GW	Date:	File No.	50.32.007
Ck'd By: All	Appv'd: GW		