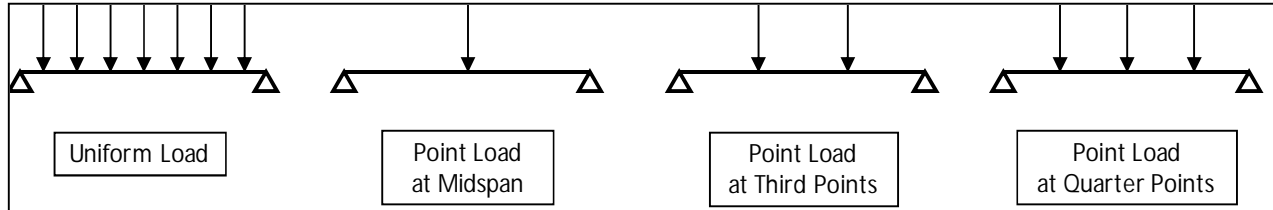




ALLOWABLE SUPERIMPOSED LOAD
CHRISTIE LITES DOUBLE DANCE TOWER TRUSS
HORIZONTAL INSTALLATION - FLOWN OR GROUND SUPPORTED



No. of Sections ¹	Span ² (ft)	Uniform Load ³			Maximum Allowable Point Loads ^{4, 5, 6}					
					Center Point		Third Points		Quarter Points	
		Load (plf)	Total Load (lbs)	Deflection (in)	Load (lbs)	Deflection (in)	Load (lbs)	Deflection (in)	Load (lbs)	Deflection (in)
1	6.75'	500	3375	0.10	1000	0.10	2 x 900	0.10	3 x 900	0.10
2	13.50'	250	3375	0.15	1000	0.20	2 x 800	0.20	3 x 800	0.20
3	20.25'	160	3240	0.40	1000	0.35	2 x 700	0.30	3 x 700	0.40
4	27.00'	100	2700	0.70	1000	0.45	2 x 560	0.50	3 x 560	0.60
5	33.75'	60	2025	1.00	800	0.75	2 x 500	0.85	3 x 440	0.90
6	40.50'	40	1620	1.40	700	1.20	2 x 400	1.20	3 x 360	1.40
7	47.25'	25	1180	1.90	500	1.50	2 x 320	1.50	3 x 300	1.80

FOOTNOTES

- 1 Load table is based on a typical truss section with an overall length of 6'-11" and a length of 6'-9" between splice points. Truss shall be oriented with arched side down.
- 2 Span indicates maximum distance between truss supports.
- 3 Uniform load shall be distributed evenly along both left and right chord members or along chord cross members.
- 4 Concentrated load shall be hung such that the load is evenly distributed between both left and right chord members.
- 5 Maximum concentrated load that may be hung from a single 2" diameter chord or cross member is 500-lbs. Concentrated loads greater than 500-lbs shall have multiple support points as required to satisfy this requirement.
- 6 For point loads at intervals not indicated, use equivalent uniform load to determine capacity.
- 7 Truss sections shall be spliced together using (4) 5/8" diameter grade 8 thru bolts.
- 8 Deflection shown is the estimated value at midspan.
- 9 Capacity of additional support structures, bracing, components or connections are outside the scope of this analysis.