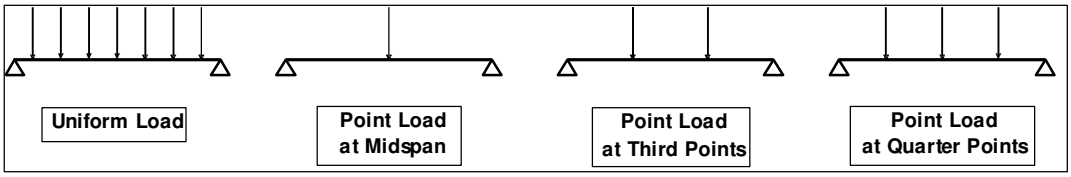
CHRISTIE LITES

ALLOWABLE LOAD DATA

16" x 16" TRUSS



Number of Sections	Span[1] (ft)	Uniform Load[2, 3, 4, 6]			Maximum Allowable Point Loads[4, 5, 6]					
					Center Point		Third Point		Quarter Point	
		Load (plf)	Total Load (lbs)	Deflection (in)	Load (lbs)	Deflection (in)	Load (lbs)	Deflection (in)	Load (lbs)	Deflection (in)
1	8	820 bc	6560	0.14"	6400	0.21"	2 x 3300	0.21"	3 x 2200	0.21"
		770 tc	6160	0.14"						
2	16	240	3840	0.3"	1925	0.26"	2 x 1430	0.3"	3 x 960	0.3"
3	24	120	2880	0.6"	1800	0.77"	2 x 900	0.77"	3 x 725	0.77"
4	32	60	1920	1.1"	940	0.86"	2 x 700	1.1"	3 x 470	1.1"
5	40	40	1600	1.6"	900	1.64"	2 x 550	1.64"	3 x400	1.64"
6	48	25	1200	2.26"	600	1.85"	2 x 450	2.26"	3 x 300	2.26"

FOOTNOTES

1) Span indicates distance between truss supports.
2) Uniform loads shall be distributed evenly across both truss chords and can be applied to either top or bottom chords.
3) Values at single span truss labeled "bc" are for uniform loads applied to truss bottom chord. Values at single span truss labeled "tc" are for uniform loads applied to truss top chord.
4) Maximum point load that may be applied to truss chords **between** panel points is 250 Lbs at each chord member simultaneously.
5) For truss to support indicated loads, point loads shall be hung from truss panel points only. Truss shall be oriented to ensure load is applied at panel points.
6) For point loads at intervals not indicated, use equivalent uniform load to determine capacity.
7) Loads shown require trusses to be connected at end supports to each chord member (i.e. 4 connections ea end of truss).
8) Capacity of additional support structures, components or connections are outside the scope of this analysis.