

14x24x96 Truss Flipped Allowable Service Loads And Associated Deflections (Notes 1, 2, 3)

Span (ft.)	Uniform Load			Point Load at Center		Point Loads at 1/3 Points		Point Loads at 1/4 Points		Selfweight	
	Load (lbs./ft)	Load (lbs.)	Maximum Deflection (in.)	Load (lbs.)	Maximum Deflection (in.)	Load (lbs.)	Maximum Deflection (in.)	Load (lbs.)	Maximum Deflection (in.)	Load (lbs.)	Maximum Deflection (in.)
32	125	4,000	2.092	2,480	2.132	1,385	2.025	1,065	2.132	-	0.153
40	62	2,480	2.650	1,515	2.661	930	2.669	630	2.661	-	0.364
48	32	1,536	3.155	970	3.208	575	3.202	410	3.197	-	0.744

Notes:

- 1) The load shown is the allowable load that the truss can support at the given span based on either truss strength or truss deflection limited to span/180.
- 2) The trusses indicated are standalone only. They have not been analysed in a stage configuration.
- 3) The truss capacities are meant for lighting and equipment loads only. Occupancy loads have not been considered and the trusses are not modeled as a work platform or a catwalk.