

SECTION PROPERTIES								ALLOWABLE UNIFORM LIVE LOADS PSF ^{1,2,3,4.} (3 or More Equal Spans)											
GA.	Width (in.)	Yield KSI	Weight PSF	Top in Compression ^{1.}		Bottom in Compression ^{1.}		Inward (Gravity / Deflection) Load ^{2,4.}						Outward Uplift (Stress) Load ^{3.}					
				Ixx In ⁴ /ft	Sxx In ³ /ft	Ixx In ⁴ /ft	Sxx In ³ /ft	2'	3'	4'	5'	6'	7'	2'	3'	4'	5'	6'	7'
26	36"	80	0.89	0.0187	0.0349	0.0130	0.0308	209	94	48	25	14	9	313	142	80	52	36	26
24	36"	50	1.15	0.0273	0.0524	0.0190	0.0482	272	123	70	36	21	13	392	178	101	65	45	33
22	36"	50	1.48	0.0367	0.0741	0.0267	0.0676	379	172	95	49	28	18	551	251	142	91	64	47

1. Theoretical section properties have been calculated per AISI 1996. "Specifications for the design of cold formed steel members." Ixx and Sxx are effective section properties for deflection and bending.
2. Tabulated loads are allowable loads calculated in accordance with good engineering practices and with AISI 1996 specifications for bending stresses. Panel weight has not been subtracted from allowable gravity loads. Allowable load does not address web crippling requirement, or fasteners/support connection.
3. Allowable loads are calculated in accordance with AISI 1996 specifications, and have been increased by 33¹/₃% for wind uplift. Contact Metal Sales Technical Services Department for more information.
4. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.