

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	2.5'	3'	3.5'	4'	4.5'	5'	2.5'	3'	3.5'	4'	4.5'	5'
26	16"	50	1.08	0.0915	0.0748	0.0521	0.0599	217	152	112	86	68	55	355	250	185	142	113	92
24	16"	50	1.39	0.1178	0.0979	0.0720	0.0803	290	203	150	115	91	74	464	372	242	186	148	120
22	16"	50	1.79	0.1515	0.1264	0.0990	0.1066	384	269	199	153	121	98	599	422	313	241	191	155

- 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.
- Tabulated gravity loads are allowable loads calculated in accordance with AISI 1996 specifications considering, bending, shear, and combine stresses. (Combined bending and web crippling is omitted per AISI section C 3.5). Gravity Load considers worst of 3 and 4 multiple equal span condition. Panel weight has not been accounted for in gravity load tables. Allowable loads do not address web crippling requirement or fastener/support connection.
- Allowable wind uplift loads have been increased by 33¹/₃% and are based on AISI 1996 "specifications for the Design of Cold Formed Steel Members". **Note: During uplift or suction condition, panel flat will deflect due to upward load changing shape and reducing these loads. Contact Metal Sales Technical Services for ASTM E-1592 uplift design loads.**
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.