

SECTION PROPERTIES								ALLOWABLE UNIFORM LIVE LOADS PSF <sup>1,2,3,4.</sup> (3 or More Equal Spans)											
GA.	Width (in.)	Yield KSI	Weight PSF	Top in Compression <sup>1.</sup>		Bottom in Compression <sup>1.</sup>		Inward (Gravity / Deflection) Load <sup>2,4.</sup>						Outward Uplift (Stress) Load <sup>3.</sup>					
				Ixx In <sup>4</sup> /ft	Sxx In <sup>3</sup> /ft	Ixx In <sup>4</sup> /ft	Sxx In <sup>3</sup> /ft	2.5'	3'	3.5'	4'	4.5'	5'	2.5'	3'	3.5'	4'	4.5'	5'
24	24"	50	1.18	.2055	.0950	.0920	.0653	228	162	120	93	74	60	416	300	221	170	134	109
22	24"	50	1.52	.2725	.1263	.1280	.0882	307	218	162	125	99	81	551	397	298	229	181	147

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 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.
3. Allowable wind uplift loads have been increased by 33<sup>1</sup>/<sub>3</sub>% 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.**
4. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.