

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'
24	24"	50	1.23	.3070	.1271	.1250	.0819	280	199	149	115	92	75	525	378	278	213	168	136
22	24"	50	1.58	.4045	.1673	.1740	.1113	386	274	204	157	125	102	717	514	378	289	225	185

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 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.**
4. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.