

EM15-1293 WALL

Condensed Techni

PANEL ATTACHMENT ga, G90 material with 2 fastener holes. cause panel distortions. Concealed Wall materials. Clip - 4" Low • Clip Fasteners: Clip Fastener Attaching to Wood: #12-11 Low Profile Wood Screw Attaching to Steel: < 18 ga: 1/4"-13 Deck Screw > 12 ga: 1/4"-14 Self Driller, No Washer INSTALLATION DIRECTION Horizontally-oriented panels must be installed from the bottom to the top. Vertically-oriented panels may be installed from the right-to-left or left-to-right. Left-to-Right Installation of Vertically-Oriented Panels

Right-to-Left Installation of Vertically-Oriented Panels

	SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various clip spacings									
	Ga	Width in	Yield ksi	Weight psf	Top In Compression Bottom In Compression				Inward Load				Outward Load					
					lxx in⁴/ft	Sxx in³/ft	lxx in⁴/ft	Sxx in³/ft	Inward Load									
									2'	3'	4'	5'	6'	2'	3'	4'	5'	6'
	24	12	50	1.33	0.0640	0.0600	0.1156	0.1083	117	60	38	27	21	103	58	39	30	24
	22	12	50	1.74	0.0929	0.0901	0.1618	0.1555	117	60	38	27	21	103	58	39	30	24
	20	12	33	2.12	0.1346	0.1392	0.2191	0.2198	117	60	38	27	21	103	58	39	30	24

1. Theoretical section properties have been calculated per AISI 2016 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.

2. Allowable loads are calculated in accordance with AISI 2016 specifications considering bending, shear, combined bending & shear, deflection, load testing on 16 ga girts and load testing of comparable profiles. Panel weight is not considered. Allowable loads do not consider other support conditions including web crippling, fasteners or support materials.

3. Allowable loads consider the 3 or more equal spans condition.

- 4. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- 5. Allowable loads do not include a 1/3 stress increase for wind.

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FASTENING INFORMATION

• Concealed Wall Clip - 4" Low is 1-3/4" x 4" x 3/8", from 16

• Clip Fastener(s) should be driven just to contact between fastener head / clip / support. Over-driven fasteners can

• Fasteners should extend 1/2" or more past the inside face of the support material for steel and wood sheathing support

- ≥ 18 ga, ≤ 12 ga: #10-16 Pancake Head Driller