



Condensed

VERTICAL SEAM

Condensed Technical Reference



FASTENING INFORMATION

► Clips

 Clip spacing is based upon the design loads, the spanning capacity of the panels, the fasteners and the support members.
Clips are 0.050" thick. G90 is standard, 304 stainless is optional. 2 fastener holes is standard,

3. Clips can accommodate practically unlimited thermal movement.

Fasteners

 Overdriven fasteners will cause panel distortions.
Fasteners to wood and steel should extend 1/2" or more past the inside face of the support material.

Clip Fasteners and Concealed End Fasteners: Attaching to Wood: #10-12 Pancake Head Wood Screw Attaching to Steel: <18 ga: 1/4"-14 Deck Screw >=18 ga, <=12 ga: #10-16 Pancake Head Driller Attaching to Concrete: 3/16" or 1/4" TapCon, Phillips Flat Head Exposed End Fasteners: Attaching to Wood: #10-14 XL Wood Screw Attaching to Steel:

#12-14 XL Driller

Trim Fasteners: 1/4"-14 x 7/8" XL Stitch Screw 1/8" x 3/16" Pop Rivet

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													
								1.5'	2'	2.5'	3'	3.5'	4'	1.5'	2'	2.5'	3'	3.5'	4'	
26	12	50	1.06	0.0783	0.05320	0.0370	0.0405	337	193	124	87	64	49	72	65	57	50	43	36	
26	16	50	0.97	0.0617	0.0403	0.0278	0.0304	253	145	93	65	48	37	72	65	57	50	43	36	
24	12	50	1.38	0.1120	0.0777	0.0525	0.0554	464	265	171	119	88	67	45	45	44	43	42	41	
24	16	50	1.26	0.0885	0.0590	0.0398	0.0416	348	199	128	89	66	50	43	40	38	35	32	30	
24	18	50	1.22	0.0807	0.0527	0.0353	0.0369	309	177	114	79	58	45	39	36	33	30	27	24	
22	12	50	1.81	0.1534	0.1072	0.0763	0.0768	600	437	282	197	145	111	71	71	69	67	65	62	
22	16	50	1.66	0.1230	0.0823	0.0578	0.0577	484	276	178	124	91	70	60	57	54	51	48	45	
22	18	50	1.60	0.1113	0.0737	0.0513	0.0513	430	245	158	110	81	62	32	32	31	30	30	29	

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.

 Allowable loads are calculated in accordance with AISI 2016 specifications considering bending, shear, combined bending & shear, deflection and ASTM E 1592 uplift testing for 24 ga and 22 ga and UL 580 uplift testing for 26 ga. Allowable loads do not address web crippling, fasteners or support material. Allowable loads consider the three or more equal spans condition. Panel weight is not considered.

- 3. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- 4. Allowable loads do not include a 1/3 stress increase for wind.
- Indicates that no testing is available for the application.

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