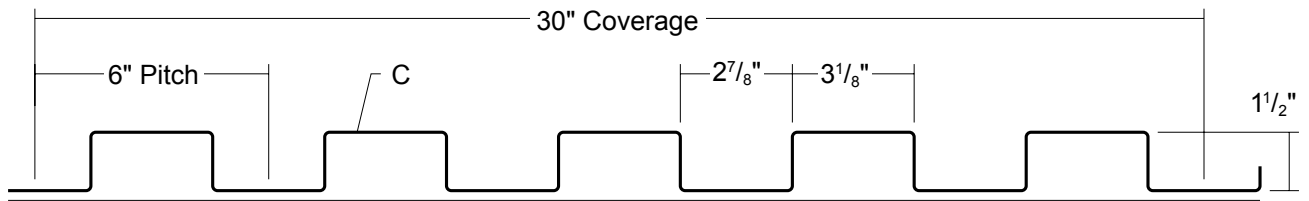


T10-B WALL PANEL

Condensed
Technical
Reference



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

EXPOSED
FASTENED

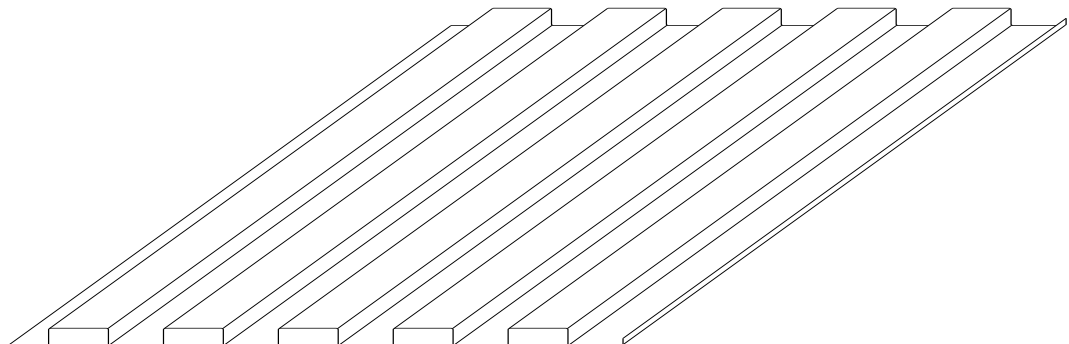
30"
COVERAGE

CUSTOM
CAPABILITIES

OPEN FRAMING OR
SOLID SUBSTRATE

PANEL OVERVIEW

- ▶ Finishes: Standard: PVDF
Optional: Multi-pass Kynar[®], Marblique, Plastisol, Polyester and MS Colorfast45[®]
- ▶ Corrosion Protection: AZ55 per ASTM A 792 for unpainted Galvalume[®]
AZ50 per ASTM A 792 for painted Galvalume[®]
G90 per ASTM A 653 for Galvanized
- ▶ Gauges: 24 ga, 22 ga, 20 ga and 18 ga
- ▶ 30" panel coverage, 1 1/2" rib height
- ▶ Crisp 90° vertical box ribs on 6" centers
- ▶ Panel Length: 5' minimum, 32' maximum
- ▶ Exposed Fastened Panel
- ▶ Optional material availability: Stainless Steel, Copper and Aluminum
- ▶ Custom capabilities include:
 - Crimp Curving - Curving may be Concave only
 - Perforated panels for wind screens and liner panels

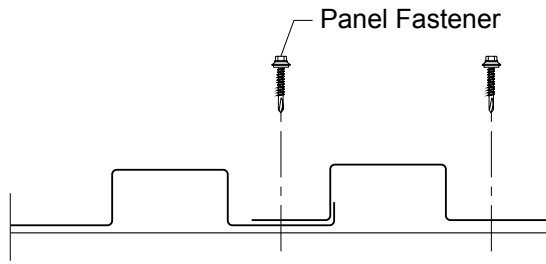


MS metal sales[™]
manufacturing corporation

T10-B WALL PANEL

**Condensed
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Reference**

ATTACHMENT DETAIL



FASTENER INFORMATION

Overdriven fasteners will cause panel distortion.

Panel fasteners should extend 1/2" or more past the inside face of the support material.

Thick panels (ex. 18 ga) or supports (ex. 1/2" steel) may require predrilling of holes for screws.

Panel Fastener:

Attaching to Wood:

#10-14 XL Wood Screw

Attaching to Steel:

#12-14 XL Self Drilling Screw

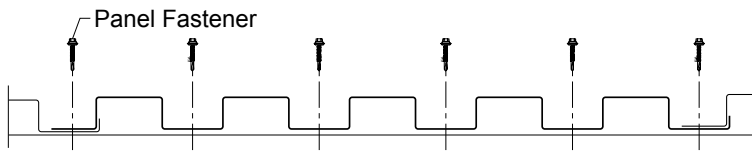
Trim Fastener:

1/8" x 3/16" Pop Rivet

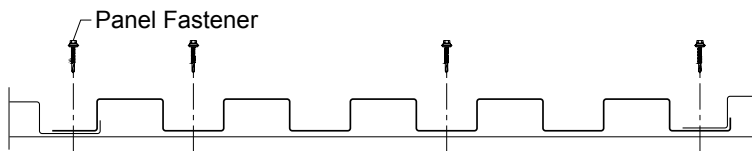
1/4"-14 x 7/8" XL Stitch Screw

FASTENING PATTERNS

Ends of Panel



Field of Panel



SECTION PROPERTIES

ALLOWABLE UNIFORM LOADS, psf For various fastener spacings

Ga	Width in	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load						Outward Load					
				Ixx in ⁴ /ft	Sxx in ³ /ft	Ixx in ⁴ /ft	Sxx in ³ /ft	5'	6'	7'	8'	10'	12'	5'	6'	7'	8'	10'	12'
24	30	50	1.40	0.1136	0.1180	0.1160	0.1252	115	80	59	45	29	17	109	76	56	43	27	17
22	30	50	1.83	0.1612	0.1738	0.1640	0.1842	169	118	87	67	37	22	160	112	82	63	37	22
20	30	33	2.23	0.2440	0.2577	0.2240	0.2710	163	114	84	65	42	26	155	109	80	62	39	26
18	30	33	2.93	0.3160	0.3852	0.3160	0.3992	238	167	123	95	59	34	230	161	119	92	59	34

- Theoretical section properties have been calculated per AISI 2012 '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 2012 specifications considering bending, shear, combined bending and shear and deflection. Allowable loads consider the 3 or more equal span condition. Allowable loads do not address web crippling, fasteners, support material or load testing. Panel weight is not considered.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Allowable loads do not include a 1/3 stress increase for wind.

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