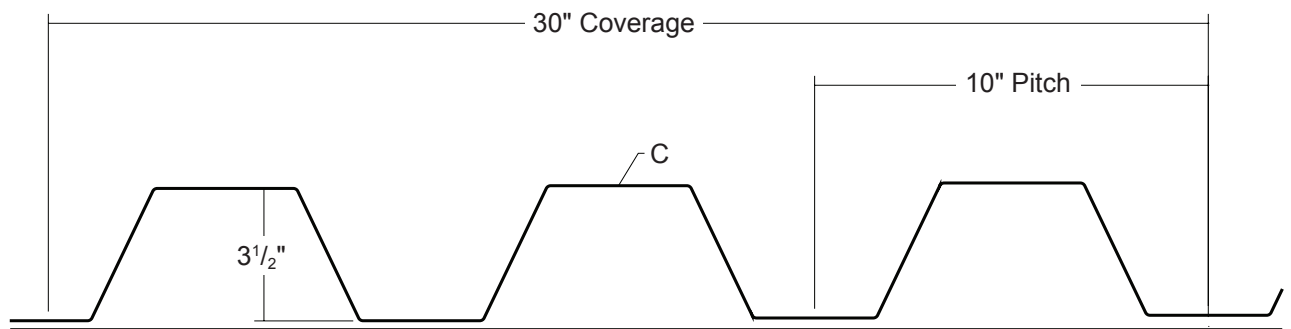


T14 WALL PANEL

Condensed
Technical
Reference

3" RIB SERIES



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

EXPOSED
FASTENED

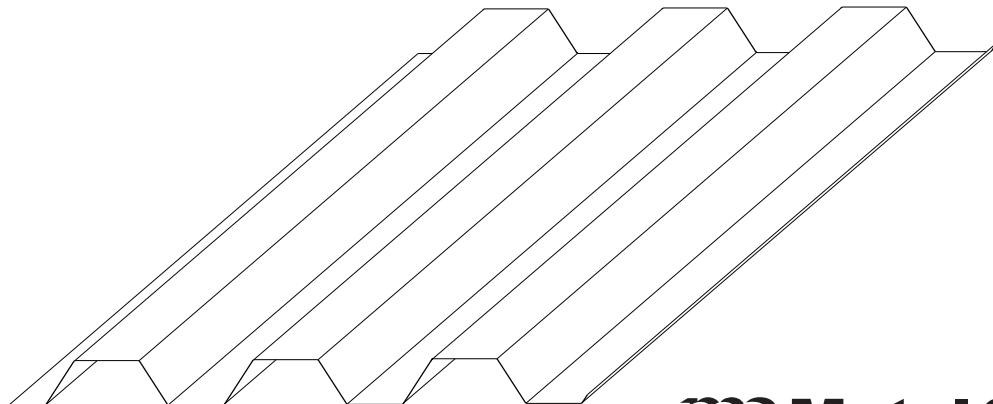
30"
COVERAGE

WALL
PANEL

OPEN FRAMING OR
SOLID SUBSTRATE

PANEL OVERVIEW

- ▶ Finishes: Standard: PVDF (Kynar 500®)
Optional: Multi-pass Kynar®, Marblique, Plastisol, Polyester and MS Colorfast45® (SMP)
- ▶ 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, 3 1/2" rib height
- ▶ Trapezoidal ribs on 10" centers
- ▶ Panel Length: 5' minimum, 32' maximum
- ▶ Exposed Fastened Panel
- ▶ Optional material availability: Stainless Steel, Copper and Aluminum
- ▶ Custom capabilities include:
 - Perforated panels for wind screens and liner panels

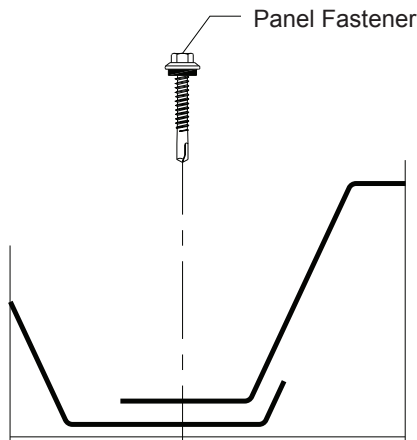


MS Metal Sales™

T14 WALL PANEL

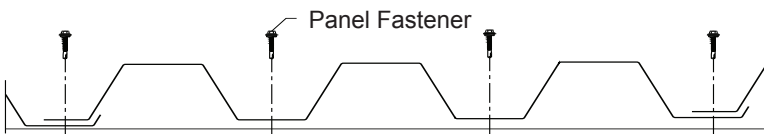
**Condensed
Technical
Reference**

ATTACHMENT DETAIL



FASTENING PATTERN

Ends and Field of Panel



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 or

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

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					
				I _{xx} in ⁴ /ft	S _{xx} in ³ /ft	I _{xx} in ⁴ /ft	S _{xx} in ³ /ft	5'		6'		7'		8'		10'		12'	
								5'	6'	7'	8'	10'	12'	5'	6'	7'	8'	10'	12'
24	30	50	1.37	0.4812	0.2057	0.4908	0.2175	140	106	83	66	45	32	137	103	80	64	43	31
22	30	50	1.80	0.7336	0.3390	0.7504	0.3622	269	198	151	119	79	56	257	189	144	113	75	53
20	30	33	2.20	1.0520	0.5279	1.0640	0.5576	316	225	168	130	84	59	302	214	160	123	80	56
18	30	33	2.91	1.4800	0.7676	1.4840	0.8008	466	329	244	188	122	85	449	316	235	181	117	81

- Theoretical section properties have been calculated per AISI 2016 'North American Specification for the Design of Cold-Formed Steel Structural Members'. I_{xx} and S_{xx} are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2016 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal spans condition. Allowable load does 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.

MS Metal Sales™

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