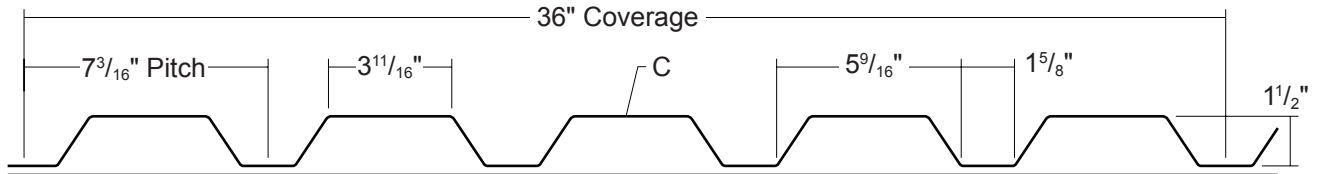


T6-A WALL PANEL

Condensed
Technical
Reference



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

EXPOSED
FASTENED

36"
COVERAGE

WALL
PANEL

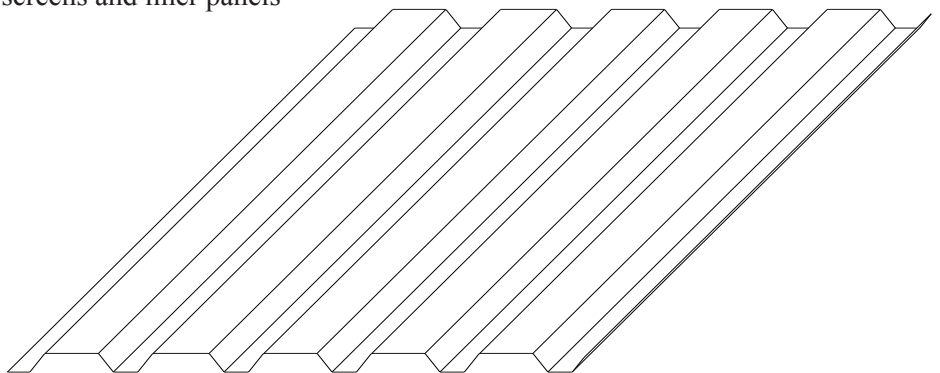
OPEN FRAMING OR
SOLID SUBSTRATE

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
- ▶ 36" panel coverage, 1¹/₂" rib height
- ▶ Trapezoidal ribs on 7³/₁₆" centers
- ▶ Panel Length: 5' minimum, 31'-10" maximum
- ▶ Exposed Fastened Panel
- ▶ Optional material availability: Stainless Steel, Copper and Aluminum
- ▶ Custom capabilities include:
 - Perforated panels for wind screens and liner panels

TESTING

- ▶ ASTM E 283 Air Leakage
- ▶ ASTM E 331 Water Penetration
- ▶ ASTM E 330 Structural Performance
- ▶ ASTM E 1592 Structural Performance
- ▶ ICC Evaluation Report - Pending

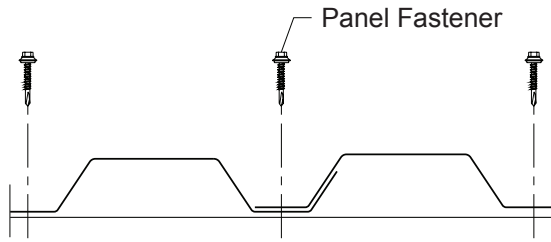


MS Metal Sales[™]

T6-A WALL PANEL

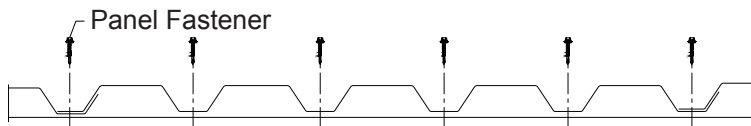
**Condensed
Technical
Reference**

ATTACHMENT DETAIL

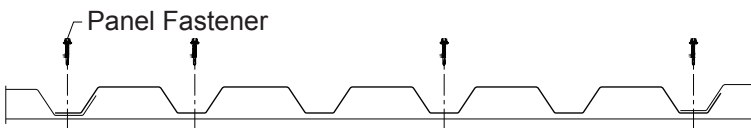


FASTENING PATTERNS

Ends of Panel



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

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'	9'	10'	5'	6'	7'	8'	9'	10'
24	36	50	1.18	0.0830	0.0983	0.1057	0.1094	100	70	52	40	30	22	91	63	47	36	28	22
22	36	50	1.55	0.1167	0.1454	0.1467	0.1572	145	101	74	56	39	28	134	94	69	53	39	28
20	36	33	1.89	0.1633	0.2161	0.2000	0.2196	133	93	68	53	42	34	131	91	67	52	41	33
18	36	33	2.49	0.2367	0.2927	0.2633	0.2930	177	124	91	70	55	45	177	124	91	70	55	45

- 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 & 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.
- Allowable load considers the 3 or more equal spans condition.
- 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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