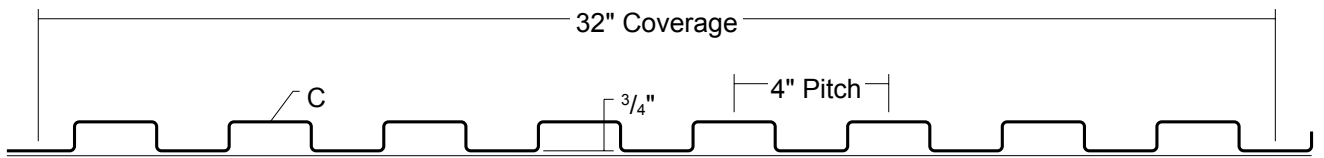


T16-L WALL PANEL

Condensed
Technical
Reference



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

EXPOSED
FASTENED

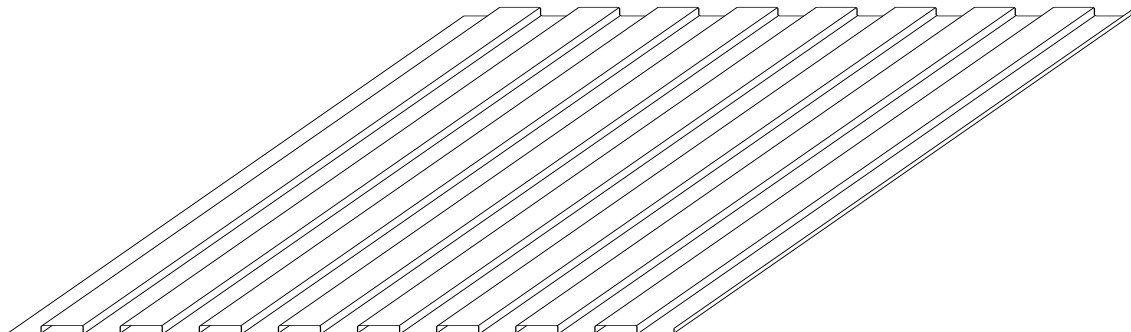
32"
COVERAGE

CUSTOM
CAPABILITIES

OPEN FRAMING OR
SOLID SUBSTRATE

PANEL OVERVIEW

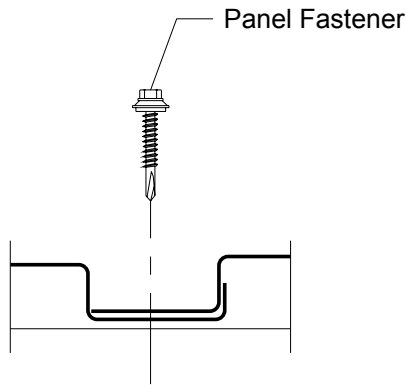
- ▶ Finishes: Standard: PVDF
Optional: Multi-pass Kynar®, Marblique, Plastisol, Polyester and MS Colorfast45®
- ▶ Corrosion Protection: AZ55 per ASTM A 792 for unpainted Galvalume®
AZ50 per ASTM A 792 for painted Galvalume®
G90 per ASTM A 653 for Galvanized
- ▶ Gauges: 24 ga, 22 ga, 20 ga and 18 ga
- ▶ 32" panel coverage, $\frac{3}{4}$ " rib height
- ▶ Crisp 90° vertical box ribs on 4" centers
- ▶ Panel Length: 5' minimum, 20' maximum
- ▶ Exposed Fastened Panel
- ▶ Optional material availability: Stainless Steel, Copper and Aluminum
- ▶ Custom capabilities include:
 - Perforated panels for wind screens and liner panels



T16-L 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

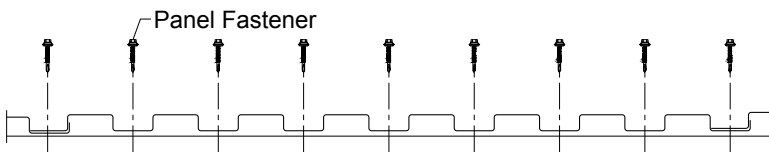
Trim Fastener:

1/8" x 3/16" Pop Rivet

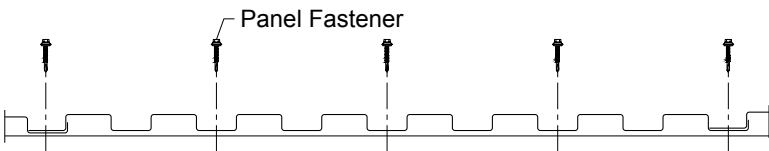
1/4"-14 x 7/8" XL Stitch Screw

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					
				I _{xx} in ⁴ /ft	S _{xx} in ³ /ft	I _{xx} in ⁴ /ft	S _{xx} in ³ /ft	3'	4'	5'	6'	7'	8'	3'	4'	5'	6'	7'	8'
24	32	50	1.24	0.0293	0.0656	0.0300	0.0677	170	97	52	30	19	13	165	94	52	30	19	13
22	32	50	1.62	0.0413	0.0975	0.0424	0.1001	248	127	65	38	24	16	242	127	65	38	24	16
20	32	33	1.97	0.0563	0.1442	0.0563	0.1457	233	135	80	46	29	20	231	134	80	46	29	20
18	32	33	2.58	0.0750	0.2014	0.0750	0.1935	308	179	100	58	37	25	318	185	100	58	37	25

- Theoretical section properties have been calculated per AISI 2012 '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 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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