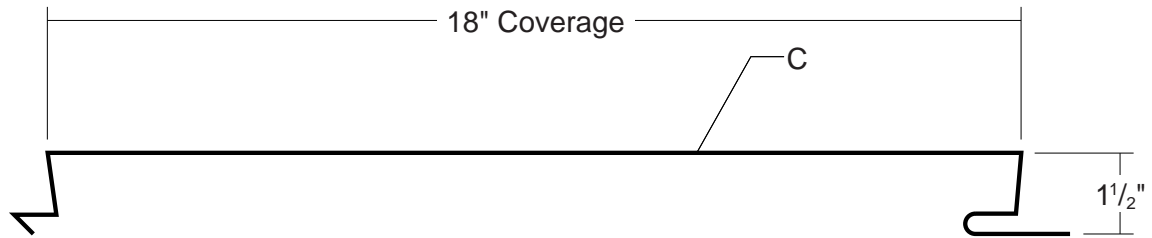


TL-17 WIDE PANEL

**CONDENSED
TECHNICAL
REFERENCE**

WALL PANEL



**ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL**

**CONCEALED
FASTENED**

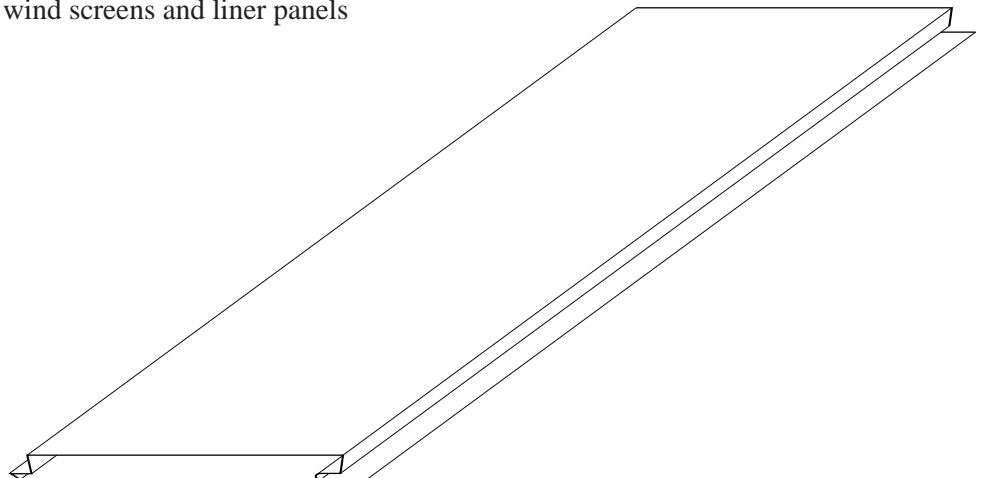
**18"
COVERAGE**

**SOFFIT, FASCIA,
WALL AND LINER
PANEL**

**OPEN FRAMING OR
SOLID SUBSTRATE**

PANEL OVERVIEW

- ▶ Finish: Standard: PVDF (Kynar 500®)
Optional: multi-pass Kynar 500®, Marblique, Plastisol, Polyester and MS Colorfast45® (SMP)
- ▶ Corrosion Protection: 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
- ▶ 18" panel coverage, 1 1/2" panel height
- ▶ Flush face, concealed fastened panel system
- ▶ Panel Length: 5' minimum, 30' maximum
- ▶ Optional material availability: Stainless Steel, Copper and Aluminum
- ▶ Use on single-skin or field-assembled wall systems
- ▶ Custom capabilities include:
 - Perforated panels for wind screens and liner panels

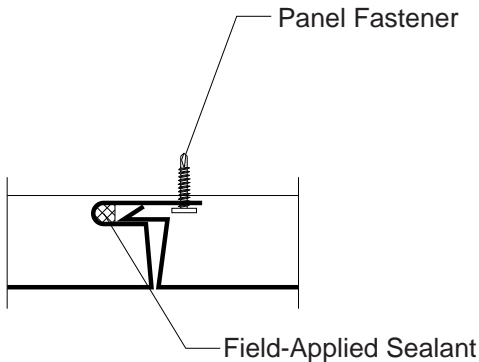


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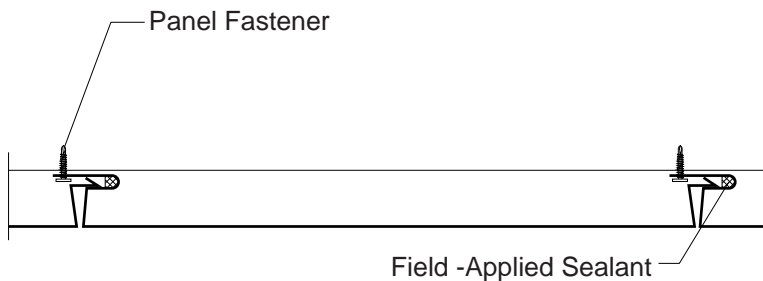
TL-17 WIDE PANEL

CONDENSED TECHNICAL REFERENCE

ATTACHMENT DETAILS



FASTENING PATTERN



FASTENING INFORMATION

Overdriven fasteners will cause panel distortions.

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 Fasteners:

Attaching to Wood:

#10-12 Pancake Head Wood Screw

Attaching to Steel:

<18 ga: 1/4"-13 Deck Screw

>=18 ga, <=12 ga: #10-16 Pancake Head Driller

Trim Fasteners:

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

1/8" x 3/16" Pop Rivet

SECTION PROPERTIES

Ga	Width in	Yield ksi	Weight psf	Top In Compression		Bottom In Compression	
				Ixx in ⁴ /ft	Sxx in ³ /ft	Ixx in ⁴ /ft	Sxx in ³ /ft
24	18	50	1.20	0.0333	0.0376	0.0533	0.0407
22	18	50	1.57	0.0480	0.0567	0.0727	0.0553
20	18	33	1.92	0.0680	0.0884	0.0953	0.0730
18	18	33	2.53	0.1033	0.1239	0.1327	0.1013

ALLOWABLE UNIFORM LOADS, psf For various fastener spacings

Inward Load						Outward Load					
2.5'	3'	3.5'	4'	4.5'	5'	2.5'	3'	3.5'	4'	4.5'	5'
137	98	73	57	45	37	29	29	29	29	29	29
185	133	99	77	62	50	29	29	29	29	29	29
158	114	86	67	53	43	29	29	29	29	29	29
215	156	117	92	73	60	29	29	29	29	29	29

- Theoretical section properties have been calculated per AISI 2007 '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 2007 specifications considering bending, shear, combined bending and shear and deflection. Allowable loads consider the 3 or more equal spans 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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