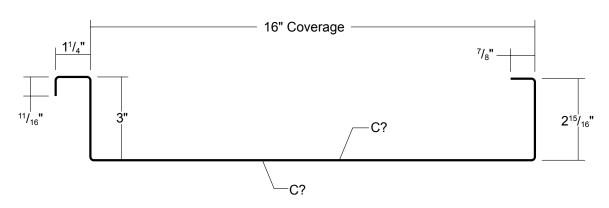
TL-21 PANEL





NOTE: Either side of panel can be painted, please specify

ARCHITECTURAL COMMERCIAL INDUSTRIAL PANEL

EXPOSED FASTENED

16" COVERAGE CUSTOM CAPABILITIES

OPEN FRAMING OR SOLID SUBSTRATE

PANEL OVERVIEW

► Finishes: Standard: PVDF

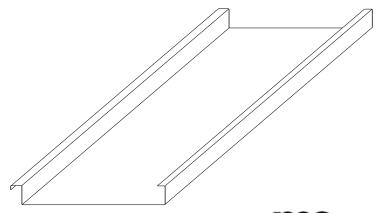
Optional: Multi-pass Kynar®, Marblique, Plastisol, Polyester and MS Colorfast45®

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
- ▶ 16" panel coverage, 3" rib height
- ▶ Panel Length: 5' minimum, 32' maximum
- Exposed Fastened Panel
- ▶ Use on single skin or field-assembled wall system applications
- Optional material availablity: Stainless Steel, Copper and Aluminum
- Custom capabilites include:
 - Perforated panels for wind screens and liner panels
 - Tapering

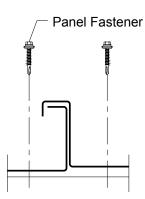




TL-21 PANEL

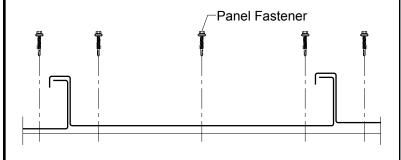
Condensed Technical

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 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	Top in Compression		Bottom in Compression		Inward Load						Outward Load						
			psf	lxx	Sxx	lxx	Sxx	<u> </u>												
				in⁴/ft	in³/ft	in⁴/ft	in³/ft	4'	5'	6'	7'	8'	9'	4'	5'	6'	7'	8'	9'	
24	16	50	1.38	0.3158	0.1244	0.1883	0.1100	130	89	64	49	38	30	141	97	71	54	42	34	
22	16	50	1.82	0.4838	0.1972	0.2708	0.1667	219	145	103	77	59	47	250	168	120	89	69	55	
20	16	33	2.22	0.7050	0.3005	0.3720	0.2447	223	145	102	76	58	46	266	175	124	92	71	56	
18	16	33	2.93	0.9488	0.4070	0.5438	0.3431	312	204	143	106	81	65	363	238	168	125	96	76	

- 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.
- 4. Allowable loads do not include a 1/3 stress increase for wind.

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