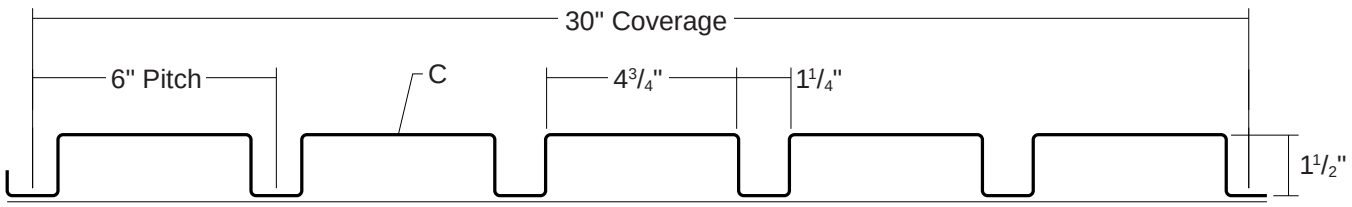
T10-C WALL PANEL

CONDENSED TECHNICAL REFERENCE



ARCHITECTURAL COMMERCIAL INDUSTRIAL PANEL

EXPOSED FASTENED

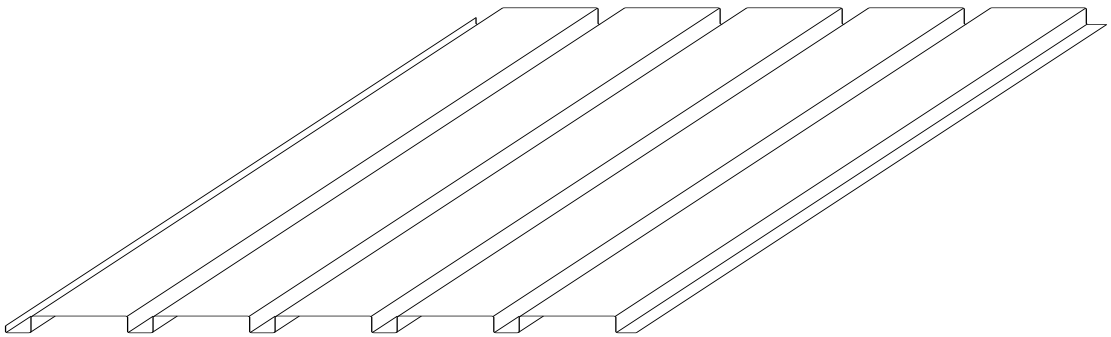
30" COVERAGE

CUSTOM CAPABILITIES

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, 1¹/₂" rib height
- Crisp 90º vertical box ribs on 6" centers
- Panel Length: 5' minimum, 32' maximum
- Exposed Fastened Panel
- Optional material availablity: Stainless Steel, Copper and Aluminum
- Custom capabilities include:
  - Perforated panels for wind screens and liner panels



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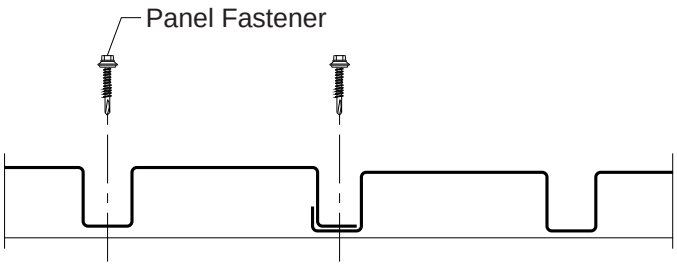
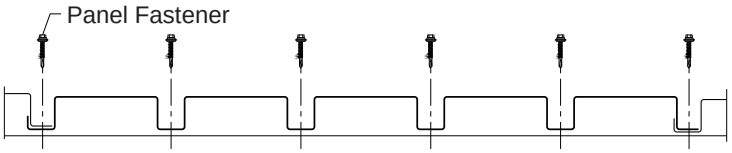
ATTACHMENT DETAIL

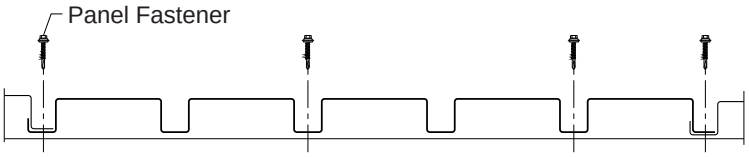


FASTENING PATTERNS

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					
				Ixx in^4/ft	Sxx in^3/ft	Ixx in^4/ft	Sxx in^3/ft	5'	6'	7'	8'	10'	12'	5'	6'	7'	8'	10'	12'
24	30	50	1.36	0.0840	0.1075	0.1252	0.1190	110	77	56	43	23	13	99	69	51	39	23	13
22	30	50	1.78	0.1188	0.1560	0.1728	0.1675	154	108	79	58	30	17	144	100	74	57	30	17
20	30	33	2.18	0.1680	0.1996	0.2160	0.2103	128	89	66	50	32	21	121	85	62	48	31	21
18	30	33	2.86	0.2440	0.2668	0.2800	0.2748	167	116	86	66	42	27	162	113	83	64	41	27

1. 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.
2. 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 span condition. Allowable loads do not address web crippling, fasteners, support material or load testing. Panel weight is not considered.
3. 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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