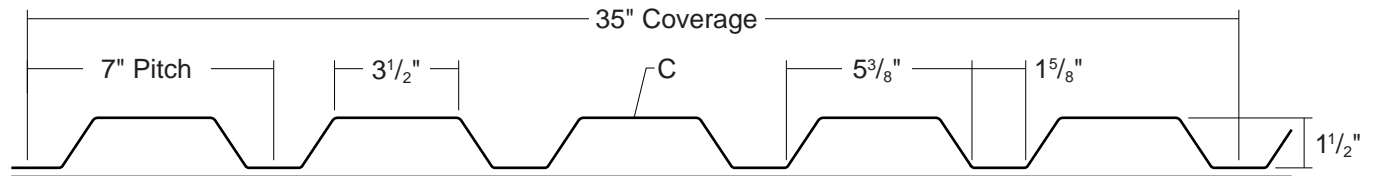


T6 WALL PANEL

CONDENSED
TECHNICAL
REFERENCE



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

EXPOSED
FASTENED

35"
COVERAGE

WALL
PANEL

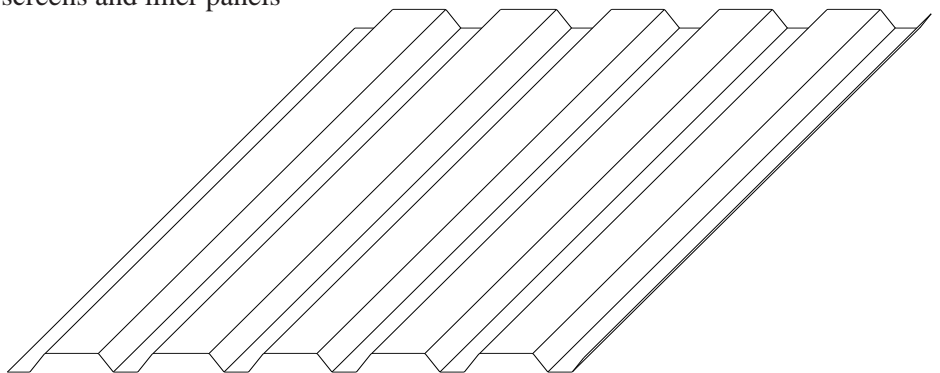
OPEN FRAMING OR
SOLID SUBSTRATE

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
- ▶ 35" panel coverage, 1 1/2" rib height
- ▶ Trapezoidal ribs on 7" centers
- ▶ Panel Length: 5' minimum, 31' 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-331 Water Penetration - none at 20 psf*
 - ▶ ASTM E-283 Air Leakage - 0.001 cfm/ft² at 12 psf*
- * Based on T6-A testing that includes tape sealant in sidelaps

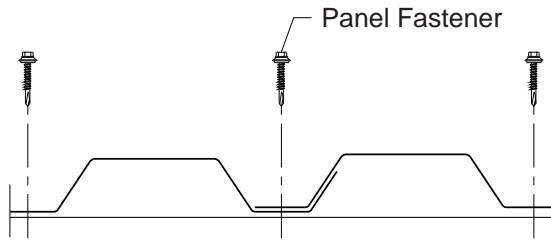


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T6 WALL PANEL

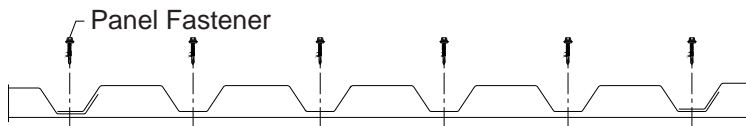
CONDENSED TECHNICAL REFERENCE

ATTACHMENT DETAIL

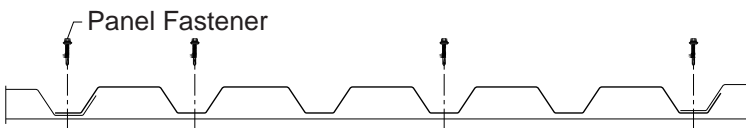


FASTENING PATTERNS

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 | | | | | |
|----|-------------|--------------|---------------|----------------------------|----------------------------|----------------------------|----------------------------|-------------|-----|----|----|----|-----|--------------|-----|----|----|----|-----|
| | | | | Ixx in ⁴ /ft | Sxx in ³ /ft | Ixx in ⁴ /ft | Sxx in ³ /ft | | | | | | | | | | | | |
| | | | | | | | | 5' | 6' | 7' | 8' | 9' | 10' | 5' | 6' | 7' | 8' | 9' | 10' |
| 24 | 35 | 50 | 1.21 | 0.0881 | 0.1041 | 0.1087 | 0.1127 | 103 | 72 | 53 | 41 | 30 | 22 | 97 | 68 | 50 | 38 | 30 | 22 |
| 22 | 35 | 50 | 1.59 | 0.1234 | 0.1536 | 0.1509 | 0.1619 | 149 | 104 | 77 | 56 | 40 | 29 | 141 | 99 | 73 | 56 | 40 | 29 |
| 20 | 35 | 33 | 1.94 | 0.1714 | 0.2251 | 0.2057 | 0.2263 | 137 | 95 | 70 | 54 | 43 | 35 | 136 | 95 | 70 | 54 | 43 | 35 |
| 18 | 35 | 33 | 2.56 | 0.2503 | 0.3038 | 0.2709 | 0.3021 | 182 | 127 | 94 | 72 | 57 | 46 | 183 | 128 | 94 | 73 | 57 | 46 |

- 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 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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