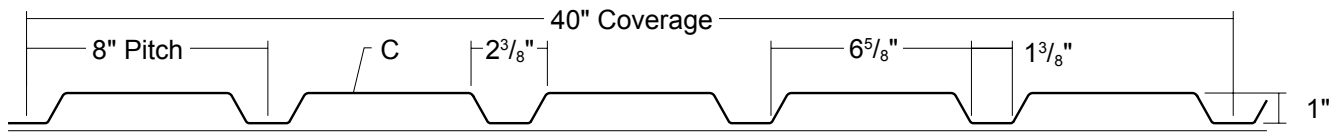


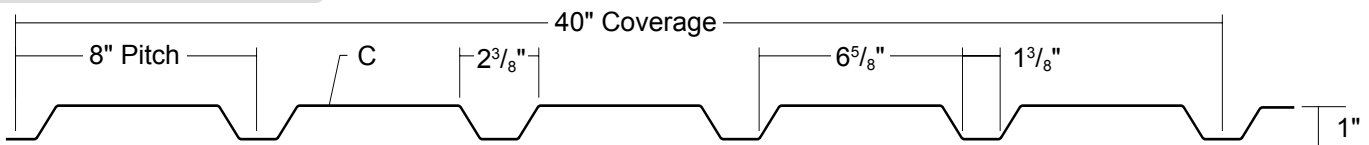
T4 WALL PANEL

Condensed
Technical
Reference

Fontana, CA Profile



Sellersburg, IN Profile



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

EXPOSED
FASTENED

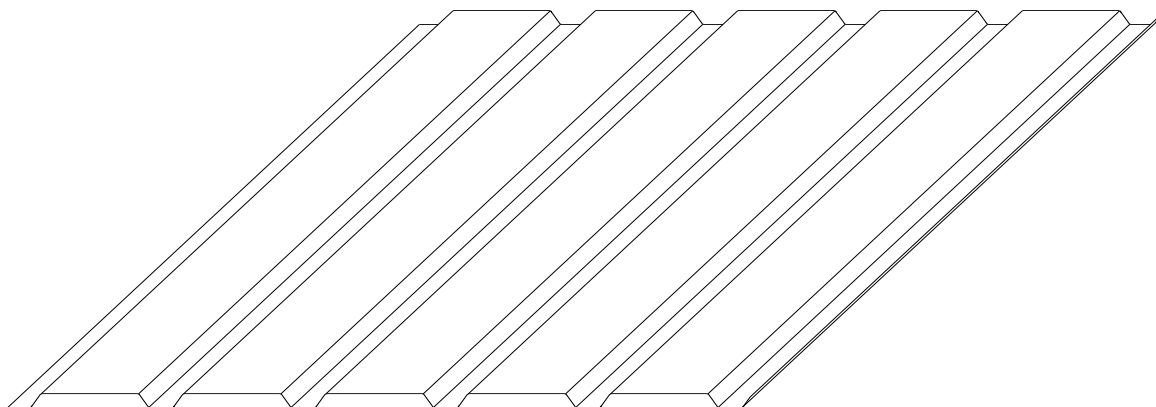
40"
COVERAGE

WALL
PANEL

OPEN FRAMING OR
SOLID SUBSTRATE

PANEL OVERVIEW

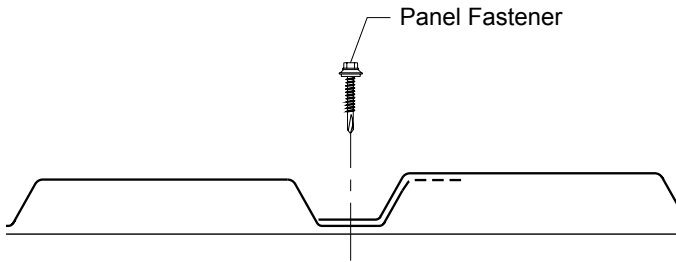
- ▶ Finishes: Standard: PVDF
Optional: Multi-pass Kynar[®], Marblique, Plastisol, Polyester and MS Colorfast45[®]
- ▶ Corrosion Protection: AZ55 per ASTM A 792 for unpainted Galvalume[®]
AZ50 per ASTM A 792 for painted Galvalume[®]
G90 per ASTM A 653 for Galvanized
- ▶ Gauges: 24 ga, 22 ga, 20 ga and 18 ga
- ▶ 40" panel coverage, 1" rib height
- ▶ Trapezoidal ribs on 8" centers
- ▶ Panel Length: 5' minimum, 31'-10" maximum
- ▶ Exposed Fastened Panel
- ▶ Optional material availability: Stainless Steel, Copper and Aluminum
- ▶ Custom capabilities include:
 - Perforated panels for wind screens and liner panels



T4 WALL PANEL

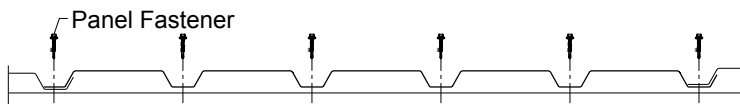
**Condensed
Technical
Reference**

ATTACHMENT DETAIL

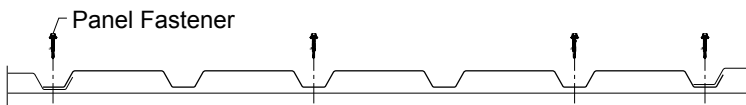


FASTENING PATTERNS

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 | 4' | 5' | 6' | 7' | 8' | 9' | 4' | 5' | 6' | 7' | 8' | 9' |
| | | | | | | | | | | | | | | | | | | | |
| 24 | 40 | 50 | 1.08 | 0.0282 | 0.0521 | 0.0420 | 0.0558 | 80 | 52 | 36 | 25 | 17 | 12 | 75 | 48 | 34 | 25 | 17 | 12 |
| 22 | 40 | 50 | 1.41 | 0.0390 | 0.0784 | 0.0600 | 0.0806 | 115 | 74 | 51 | 32 | 22 | 15 | 112 | 72 | 50 | 32 | 22 | 15 |
| 20 | 40 | 33 | 1.73 | 0.0600 | 0.1032 | 0.0780 | 0.1065 | 100 | 65 | 45 | 33 | 25 | 19 | 97 | 63 | 44 | 32 | 25 | 19 |
| 18 | 40 | 33 | 2.28 | 0.0870 | 0.1383 | 0.1020 | 0.1398 | 131 | 85 | 59 | 44 | 33 | 24 | 130 | 84 | 59 | 43 | 33 | 24 |

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

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