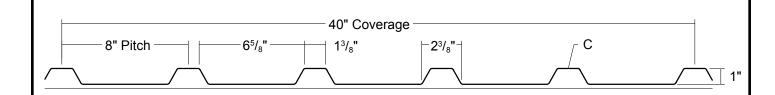
T4 ROOF PANEL



ARCHITECTURAL COMMERCIAL INDUSTRIAL PANEL

EXPOSED FASTENED

40" COVERAGE MINIMUM SLOPE 1:12

OPEN FRAMING OR SOLID SUBSTRATE

PANEL OVERVIEW

► Finishes: Standard: PVDF

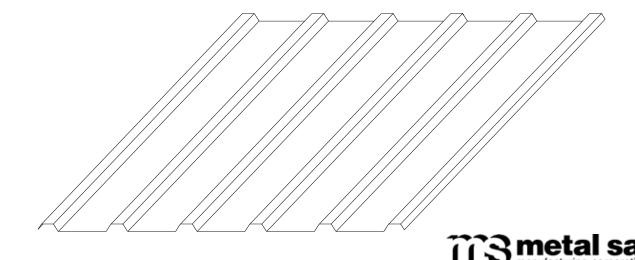
Optional: Multi-pass Kynar®, Marblique, Plastisol, Polyester and MS Colorfast45®

► 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

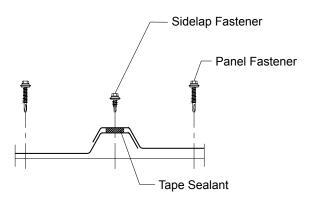
- Gauges: 24 ga, 22 ga, 20 ga and 18 ga
- ▶ 40" panel coverage, 1" rib height
- Trapezoidal ribs on 8" centers
- ▶ Panel Length: 5' minimum, 31'-10" maximum
- Exposed Fastened Panel
- ► Minimum Roof Slope 1:12
- Optional material availablity: Stainless Steel, Copper and Aluminum



T4 ROOF PANEL

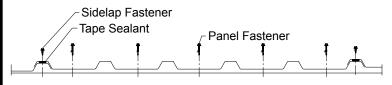
Condensed Technical Reference

ATTACHMENT DETAIL

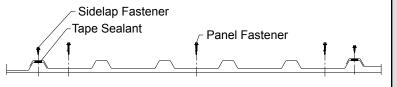


FASTENING PATTERNS

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

Sidelap Fastener:

1/4"-14 x 7/8" XL Stitch 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 | | | | | | |
| | | | | lxx | Sxx | lxx | Sxx | | | | | | | | | | | | | |
| | | | | in⁴/ft | in³/ft | in⁴/ft | in³/ft | 3' | 4' | 5' | 6' | 7' | 8' | 3' | 4' | 5' | 6' | 7' | 8' | |
| 24 | 40 | 50 | 1.08 | 0.0444 | 0.0600 | 0.0288 | 0.0519 | 131 | 75 | 48 | 33 | 25 | 17 | 150 | 86 | 55 | 39 | 25 | 17 | |
| 22 | 40 | 50 | 1.42 | 0.0630 | 0.0851 | 0.0420 | 0.0783 | 196 | 112 | 72 | 50 | 34 | 23 | 211 | 121 | 78 | 53 | 34 | 23 | |
| 20 | 40 | 33 | 1.73 | 0.0810 | 0.1152 | 0.0600 | 0.1068 | 174 | 100 | 65 | 45 | 33 | 26 | 187 | 108 | 70 | 49 | 36 | 26 | |
| 18 | 40 | 33 | 2.29 | 0.1080 | 0.1500 | 0.0870 | 0.1431 | 233 | 134 | 87 | 60 | 45 | 34 | 243 | 140 | 91 | 63 | 47 | 35 | |

- 1. 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.
- 2. 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.
- 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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