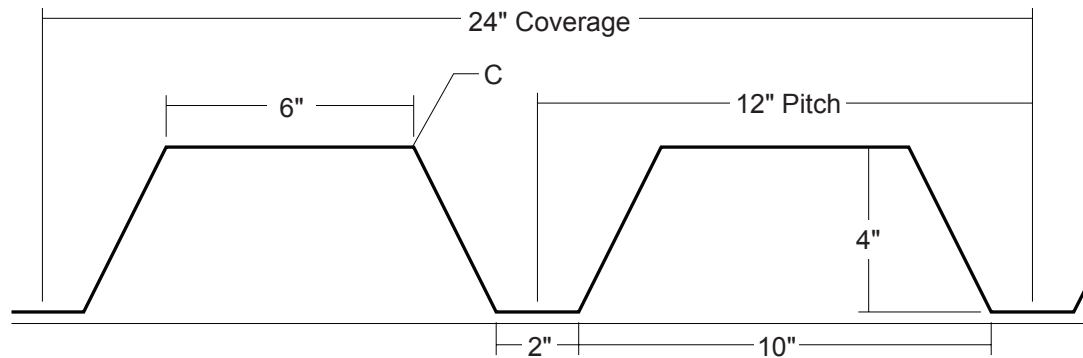


# T25 WALL PANEL

Condensed  
Technical  
Reference

DEEP RIB SERIES



ARCHITECTURAL  
COMMERCIAL  
INDUSTRIAL  
PANEL

EXPOSED  
FASTENED

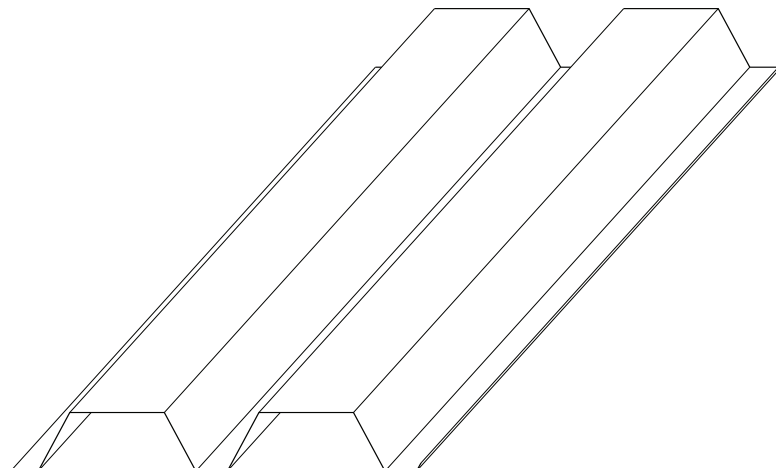
24"  
COVERAGE

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
- ▶ 24" panel coverage, 4" rib height
- ▶ Trapezoidal ribs on 12" centers
- ▶ Panel Length: 5' minimum, 32' maximum
- ▶ Exposed Fastened Panel
- ▶ Optional material availability: Stainless Steel, Copper and Aluminum
- ▶ Custom capabilities include:
  - Perforated panels for wind screens and liner panels

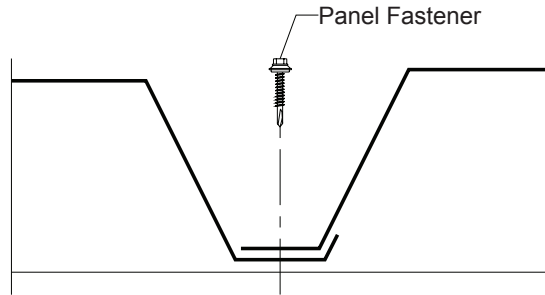


MS Metal Sales™

# T25 WALL PANEL

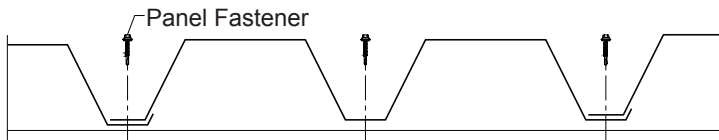
**Condensed  
Technical  
Reference**

## 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<br>in | Yield<br>ksi | Weight<br>psf | Top in Compression         |                            | Bottom in Compression      |                            | Inward Load |     |     |     |     |     | Outward Load |     |     |     |     |     |
|----|-------------|--------------|---------------|----------------------------|----------------------------|----------------------------|----------------------------|-------------|-----|-----|-----|-----|-----|--------------|-----|-----|-----|-----|-----|
|    |             |              |               | Ixx<br>in <sup>4</sup> /ft | Sxx<br>in <sup>3</sup> /ft | Ixx<br>in <sup>4</sup> /ft | Sxx<br>in <sup>3</sup> /ft | 5'          | 6'  | 7'  | 8'  | 10' | 12' | 5'           | 6'  | 7'  | 8'  | 10' | 12' |
|    |             |              |               |                            |                            |                            |                            |             |     |     |     |     |     |              |     |     |     |     |     |
| 24 | 24          | 50           | 1.36          | 0.5120                     | 0.1991                     | 0.6465                     | 0.2242                     | 117         | 92  | 74  | 60  | 42  | 31  | 113          | 87  | 69  | 56  | 39  | 28  |
| 22 | 24          | 50           | 1.79          | 0.7825                     | 0.3308                     | 0.9750                     | 0.3590                     | 232         | 176 | 137 | 110 | 74  | 53  | 223          | 168 | 130 | 104 | 70  | 50  |
| 20 | 24          | 33           | 2.19          | 1.1360                     | 0.5302                     | 1.4680                     | 0.6027                     | 315         | 229 | 173 | 135 | 89  | 62  | 286          | 206 | 155 | 121 | 79  | 55  |
| 18 | 24          | 33           | 2.89          | 1.6080                     | 0.7792                     | 2.0155                     | 0.8419                     | 475         | 338 | 253 | 195 | 127 | 89  | 445          | 316 | 235 | 182 | 118 | 82  |

- Theoretical section properties have been calculated per AISI 2016 '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 2016 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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