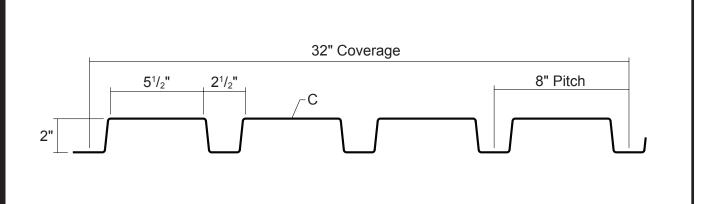
## **T2832 WALL PANEL**

2" RIB SERIES



ARCHITECTURAL COMMERCIAL INDUSTRIAL PANÉL

EXPOSED FASTENED

32" COVERAGE WALL PANEL

OPEN FRAMING OR SOLID SUBSTRATE

### **PANEL OVERVIEW**

► Finishes: Standard: PVDF

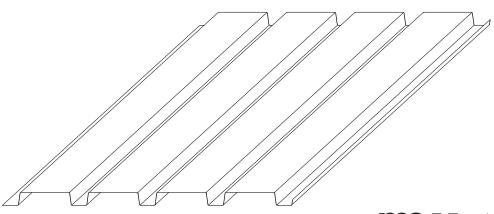
Optional: Multi-pass Kynar®, Marblique, Plastisol, Polyester and MS Colorfast45®

► 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

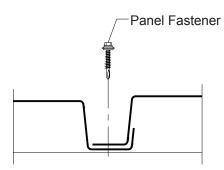
- ► Gauges: 24 ga, 22 ga, 20 ga and 18 ga
- ▶ 32" panel coverage, 2" rib height
- Trapezoidal ribs on 8" centers
- ▶ Panel Length: 5' minimum, 32' maximum
- Exposed Fastened Panel
- Optional material availablity: Stainless Steel, Copper and Aluminum
- ► Custom capabilites include:
  - Perforated panels for wind screens and liner panels



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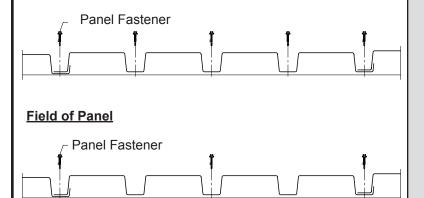
# **T2832 WALL PANEL**

#### ATTACHMENT DETAIL



#### **FASTENING PATTERNS**

#### **Ends 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 psf | Top in Compression |        | Bottom in Compression |        | Inward Load |  |     |     |     |     | Outward Load |     |     |    |     |     |  |
|                    |             |              |            | lxx                | Sxx    | lxx                   | Sxx    |             |  |     |     |     |     |              |     |     |    |     |     |  |
|                    |             |              |            | in⁴/ft             | in³/ft | in⁴/ft                | in³/ft | 5'          | 6'   | 7'  | 8'  | 10' | 12' | 5'           | 6'  | 7'  | 8' | 10' | 12' |  |
| 24                 | 32          | 50           | 1.35       | 0.1534             | 0.1320 | 0.2033                | 0.1451 | 131         | 92   | 68  | 52  | 34  | 23  | 120          | 84  | 62  | 48 | 31  | 21  |  |
| 22                 | 32          | 50           | 1.77       | 0.2164             | 0.1935 | 0.2918                | 0.2159 | 197         | 138  | 102 | 78  | 50  | 35  | 177          | 124 | 91  | 70 | 45  | 31  |  |
| 20                 | 32          | 33           | 2.16       | 0.3000             | 0.2877 | 0.3938                | 0.3039 | 182         | 127  | 94  | 72  | 46  | 32  | 172          | 121 | 89  | 69 | 44  | 31  |  |
| 18                 | 32          | 33           | 2.84       | 0.4313             | 0.4166 | 0.5400                | 0.4245 | 252         | 177  | 131 | 101 | 65  | 45  | 248          | 174 | 129 | 99 | 64  | 44  |  |

- 1. 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.
- 2. 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.
- 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.

### **াটি Metal Sales**

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