**PRO-PANEL II®**

**ARCHITECTURAL COMMERCIAL PANEL**

**EXPOSED FASTENED**

**36” COVERAGE**

**MINIMUM SLOPE 3:12**

**OPEN FRAMING OR SOLID SUBSTRATE**

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**PANEL OVERVIEW**

- **Finishes:** MS Colorfast45®, ColorFit40™, MS Crinkle Finish and Acrylic-Coated Galvalume®
- **Corrosion Protection:**
  - AZ55 per ASTM A 792 for unpainted Galvalume®
  - AZ50 per ASTM A 792 for painted Galvalume®
  - G60, G90 or G100 per ASTM A 653 for Galvanized
- **Gauges:** 29 ga and 26 ga standard
- **36” panel coverage, 5/8” rib height**
- **Panel Length:** Minimum: 5’; Maximum: 45’ recommended
- **Exposed fastened, low profile roof and wall system**
- **Trapezoidal rib on 9” centers**
- **Minimum roof slope: 3:12**

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**TESTING AND APPROvals**

- **UL 2218 Impact Resistance - Class 4**
- **UL 790 Fire Resistance Rating - Class A, per building code**
- **UL 263 Fire Resistance Rating - per assembly**
- **ASTM E 283 Air Leakage - 0.0076 cfm/ft² at 6.24 psf**
- **ASTM E 331 Water Penetration - none at 12 psf**
- **ASTM E 330 Structural Performance**
- **ASTM E 455 Diaphragm Capacity**
- **2017 FBC Approvals - FL14645.14**

* uses tape sealant and stitch screws 1’ on center in side lap
Overdriven fasteners will cause panel distortions. 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 Fasteners:
Attaching to Wood:
- #10-14 Wood Screw
- #10-14 XL Wood Screw

Attaching to Steel:
- #12-14 Self Drilling Screw
- #12-14 XL Self Drilling Screw

Side Lap Fastener:
- 1/4"-14 x 7/8" Stitch Screw
- 1/4"-14 x 7/8" XL Stitch Screw

Trim Fastener:
- 1/4"-14 x 7/8" Stitch Screw
- 1/4"-14 x 7/8" XL Stitch Screw

PRO-PANEL II®

SECTION PROPERTIES

<table>
<thead>
<tr>
<th>Ga</th>
<th>Width in</th>
<th>Yield ksi</th>
<th>Weight psf</th>
<th>Ixx in²/ft</th>
<th>Sxx in²/ft</th>
<th>Ixx in²/ft</th>
<th>Sxx in²/ft</th>
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</thead>
<tbody>
<tr>
<td>29</td>
<td>36</td>
<td>80</td>
<td>0.62</td>
<td>0.0060</td>
<td>0.0123</td>
<td>0.0043</td>
<td>0.0128</td>
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<tr>
<td>26</td>
<td>36</td>
<td>80</td>
<td>0.79</td>
<td>0.0083</td>
<td>0.0171</td>
<td>0.0057</td>
<td>0.0165</td>
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<table>
<thead>
<tr>
<th>Inward Load</th>
<th>Outward Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5' 2' 2.5' 3' 3.5' 4'</td>
<td>1.5' 2' 2.5' 3' 3.5' 4'</td>
</tr>
<tr>
<td>Inward Load</td>
<td>Outward Load</td>
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<tr>
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</tr>
<tr>
<td>155 88 57 40 27 18</td>
<td>200 114 73 51 34 23</td>
</tr>
<tr>
<td>150 85 55 38 27 18</td>
<td>207 118 76 53 34 23</td>
</tr>
</tbody>
</table>

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 load is calculated in accordance with AISI 2016 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal spans condition. Allowable load does 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.