PANEL OVERVIEW

- Finishes: MS Strongcoat®
- Corrosion Protection: G90 per ASTM A 653
- Gauge: 29 ga (0.016")
- 36" panel coverage, 5/8" rib height
- Panel Length: Minimum: 6'; Maximum: 36' recommended
- Exposed fastened metal building roof and wall system
- Classic Board and Batten design, on 9" centers
- Minimum roof slope: 3:12

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
- Texas Windstorm - Evaluations RC-405 and RC-406
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 Fastener:
- Attaching to Wood: #10-14 Wood Screw
- Attaching to Steel: #12-14 Self Drilling Screw

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

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

## FASTENER INFORMATION

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### SECTION PROPERTIES

<table>
<thead>
<tr>
<th>Ga</th>
<th>Width in</th>
<th>Yield ksi</th>
<th>Weight psf</th>
<th>Top In Compression</th>
<th>Bottom In Compression</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>36</td>
<td>80</td>
<td>0.66</td>
<td>0.0070</td>
<td>0.0155</td>
</tr>
</tbody>
</table>

**Note:**
1. Theoretical section properties have been calculated per AISI 2016 ‘North American Specification for the Design of Cold-Formed Steel Structural Members’.
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.

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### ALLOWABLE UNIFORM LOADS, psf

For various fastener spacings

<table>
<thead>
<tr>
<th></th>
<th>Inward Load</th>
<th>Outward Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'</td>
<td>119</td>
<td>106</td>
</tr>
<tr>
<td>2.5'</td>
<td>77</td>
<td>68</td>
</tr>
<tr>
<td>3'</td>
<td>52</td>
<td>48</td>
</tr>
<tr>
<td>3.5'</td>
<td>33</td>
<td>33</td>
</tr>
<tr>
<td>4'</td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td>4.5'</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

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