DELTA RIB

PANEL OVERVIEW

- Finishes: MS Colorfast45® and Acrylic-Coated Galvalume®
- 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: 26 ga standard; 29 ga and 24 ga optional
- 24" panel coverage, 13/16" rib height
- Panel Length: Minimum: 5'; Maximum: 40' recommended
- Trapezoidal ribs on 8" centers
- Applies to open framing or solid substrate
- Minimum roof slope: 3:12
- Residential and Agricultural applications
- Lightweight for easy handling
- Economical and distinctive appearance

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
FASTENER INFORMATION

Overdriven fasteners will cause panel distortions.

Fasteners should extend 1/2” or more past the inside face of the support material.

Panel Fasteners:
- Attaching to Wood:
  - #10-14 Wood Screw
- Attaching to Steel:
  - <=12 ga: #12-14 Self Driller

Trim and Sidelap Fasteners:
- 1/4"-14 x 7/8" Stitch Screw

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>
<th>Inward Load</th>
<th>Outward Load</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Ixx in'^4/ft</td>
<td>Sxx in'^3/ft</td>
<td>Ixx in'^4/ft</td>
<td>Sxx in'^3/ft</td>
</tr>
<tr>
<td>29</td>
<td>24</td>
<td>80</td>
<td>0.64</td>
<td>0.0115</td>
<td>0.0193</td>
<td>0.0100</td>
<td>0.0228</td>
</tr>
<tr>
<td>26</td>
<td>24</td>
<td>80</td>
<td>0.82</td>
<td>0.0165</td>
<td>0.0283</td>
<td>0.0135</td>
<td>0.0295</td>
</tr>
<tr>
<td>24</td>
<td>24</td>
<td>50</td>
<td>1.07</td>
<td>0.0230</td>
<td>0.0403</td>
<td>0.0195</td>
<td>0.0394</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.