

Belevedere 7.2" Rib (.032 Aluminum)

Allowable Design Pressures

| Maximum Support Spacing | 2 FT | 3 FT | 4 FT | 5 FT | 6 FT |
|---------------------------------------|---|---------------|--------------|--------------|--------------|
| Positive Design Pressure (PSF) | +133.3 | +107.4 | +81.6 | +55.8 | +30.0 |
| Negative Design Pressure (PSF) | -163.3 | -130.0 | -96.6 | -63.3 | -30.0 |
| Span Condition: | One or More Spans Attached to a Minimum 18 Gauge Steel. 50 ksi minimum support. | | | | |
| Fastener spacing to support: | 7.2" in Every Valley | | | | |
| Sidelap Spacing: | 12" O.C. | | | | |
| Primary Fastener: | Fastener: Panel to Support Type: Hex-Head Sheet Metal Screw w/ WSW Size: #12 - 14 x 1 1/2" | | | | |
| Lap Fastener: | Fastener: Panel to Panel, Stitch Lap Type: Hex-Head Sheet Metal Screw w/ WSW Size: 1/4" - 14 x 7/8" | | | | |
| Notes: | <ul style="list-style-type: none"> • Positive Pressure Inward/Negative Pressure Outward • Allowable design pressure(s) for allowable stress design (ASD). • Diaphragm and axial load capacity are not included in this evaluation. | | | | |

- Referenced Data:**
1. ASTM E330-02
By Farabaugh Engineering and Testing, Inc. (FBC Organization #TST ID:1654)
• Report # T204-19, Report Date: 7/03/19
 2. Engineering Analysis
By CBUCK Engineering