### Rigid Wall II (.032 Aluminum)

**MFN160**

#### Allowable Design Pressures

<table>
<thead>
<tr>
<th>Maximum Support Spacing</th>
<th>1 FT</th>
<th>2 FT</th>
<th>3 FT</th>
<th>4 FT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive Design Pressure (PSF)</td>
<td>+133.0</td>
<td>+116.6</td>
<td>+99.9</td>
<td>+83.2</td>
</tr>
<tr>
<td>Negative Design Pressure (PSF)</td>
<td>-154.6</td>
<td>-115.2</td>
<td>-75.8</td>
<td>-36.4</td>
</tr>
</tbody>
</table>

**Span Condition:**
One or More Spans Attached to a Minimum 18 Gauge Steel. 50 ksi minimum support.

**Fastener spacing to support:**
Nominal 16" o.c. along supports
- Screws located at each panel lap, at each support

**Primary Fastener:**
Fastener: Panel to Support
Type: Self Drilling Pancake Head Screw
Size: #10 - 16 x 1"

**Notes:**
- 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.

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**Referenced Data:**

1. **ASTM E330-02**
   - By Farabaugh Engineering and Testing, Inc. (FBC Organization #TST ID:1654)
   - Report # T328-20, Report Date: 10/09/20

2. **Engineering Analysis**
   - By CBUCK Engineering