## Rigid Wall II (24 ga Steel)

**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>+131.8</td>
<td>+130.1</td>
<td>+128.4</td>
</tr>
<tr>
<td>Negative Design Pressure (PSF)</td>
<td>-226.6</td>
<td>-169.6</td>
<td>-112.5</td>
<td>-55.4</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.

**Referenced Data:**  
1. ASTM E330-02  
   By Farabaugh Engineering and Testing, Inc. (FBC Organization #TST ID:1654)  
   - Report # T329-20, Report Date: 10/09/20
2. Engineering Analysis  
   By CBUCK Engineering