

Design Wall w/ Sidelap Fastener (.032 Aluminum) DSF120

Allowable Design Pressures

Maximum Support Spacing	1 FT	2 FT	3 FT	4 FT
Positive Design Pressure (PSF)	+139.0	+109.0	+80.0	+51.0
Negative Design Pressure (PSF)	-208.0	-157.0	-106.0	-55.0
Span Condition:	One or More Spans Attached to a Minimum 18 Gauge Steel. 50 ksi minimum support.			
Fastener spacing to support:	Nominal 12" o.c. along supports Sidelap Fastening at Each Support			
Primary Fastener:	Fastener: Panel to Support Type: Self Drilling Pancake Head Screw Size: #10 - 16 x 1" <i>*Sidelap Fastener: 1/4 - 14 x 7/8 Self Drilling</i>			
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 # T118-21, Report Date: 2/1/21
 2. Engineering Analysis
By CBUCK Engineering