



# LOAD TABLES BASED ON ASTM E330 TESTING

## Design Wall w/ Sidelap Fastener (24 ga Steel) **DSF120**

### Allowable Design Pressures

Maximum Support Spacing	1 FT	2 FT	3 FT	4 FT
Positive Design Pressure (PSF)	+139.0	+118.0	+98.0	+77.0
Negative Design Pressure (PSF)	-225.0	-182.0	-39.0	-96.0
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"><li>• Positive Pressure Inward/Negative Pressure Outward</li><li>• Allowable design pressure(s) for allowable stress design (ASD).</li><li>• Diaphragm and axial load capacity are not included in this evaluation.</li></ul>				

### Referenced Data:

1. ASTM E330-02  
By Farabaugh Engineering and Testing, Inc. (FBC Organization #TST ID:1654)
  - Report # T119-21, Report Date: 2/1/21
2. Engineering Analysis  
By CBUCK Engineering

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