### Metl-Span Striated Wall Panels


Allowable Positive Load \(^{1,4,5,6}\) (psf) for Two or More Equal Spans

<table>
<thead>
<tr>
<th>Panel Type</th>
<th>Design Criteria</th>
<th>Support Span</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>5 ft</td>
</tr>
<tr>
<td>2&quot; Thick</td>
<td>Bending &amp; Shear</td>
<td>71.2</td>
</tr>
<tr>
<td>2½&quot; Thick</td>
<td>Bending &amp; Shear</td>
<td>81.0</td>
</tr>
<tr>
<td>3&quot; Thick</td>
<td>Bending &amp; Shear</td>
<td>90.1</td>
</tr>
<tr>
<td>4&quot; Thick</td>
<td>Bending &amp; Shear</td>
<td>95.5</td>
</tr>
</tbody>
</table>

#### Notes:

1. The Load Span Table above is based on Allowable Stress Design (ASD). For loads calculated based on ASCE 7-10 (LRFD), please refer to section 2.4.1 of ASCE 7-10 for the applicable load combinations using Allowable Stress Design.
2. Based on CF-panel with 24 ga. Striated exterior and 26 ga. Light Mesa interior face (min \(F_y = 33\) ksi).
3. Refer to the allowable connection load chart, for suction loads.
4. Allowable positive or suction load is the lowest value of panel bending strength, shear strength, deflection limit and connection strength for each fastener pattern.
5. Allowable loads based on panel stress and deflection design criteria are derived from ASTM E72 structural testing and calculated with factor of safety of 2.5 for bending stress, 3.0 for shear stresses and deflection limitation of L/180.
6. The structural capacity of the purlins are not considered and must be examined independently.
7. Consult Metl-Span for recommendations on panel profile and gauge suitable for thermal stresses.
(FP1) SIDE JOINT CLIP ONLY

10.5"

FROM FEMALE EDGE (CRITICAL)

SUPPORT (NOT BY METL-SPAN)

(FP2) SIDE JOINT AND (1) BLIND RIVET

10.5" 10.5"

SUPPORT (NOT BY METL-SPAN)

(FP3) SIDE JOINT AND (2) BLIND RIVETS

10.5" 10.5" 10.5"

SUPPORT (NOT BY METL-SPAN)

(FP4) SIDE JOINT AND (3) BLIND RIVETS

CF42 FASTENING PATTERNS

FASTENING PATTERNS
APPLICATION: FASTENING
DATE: MAY 15, 2015
(FP5) SIDE JOINT AND (4) BLIND RIVETS

(SUPPORT (NOT BY METL-SPAN))

(FP9) (4) SELF-DRILLING OR SELF-TAPPING FASTENERS W/ NEOPRENE BONDED WASHER

(SUPPORT (NOT BY METL-SPAN))

(FP10) (5) SELF-DRILLING OR SELF-TAPPING FASTENERS W/ NEOPRENE BONDED WASHER

CF42 FASTENING PATTERNS
(FP1) SIDE JOINT CLIP ONLY

(SUPPORT (NOT BY METL-SPAN))

12"
FROM FEMALE
EDGE (CRITICAL)

(FP2) SIDE JOINT AND (1) BLIND RIVET

(SUPPORT (NOT BY METL-SPAN))

12" 12" 12"

(FP3) SIDE JOINT AND (2) BLIND RIVETS

CF36 FASTENING PATTERNS
(FP1) SIDE JOINT CLIP ONLY

(SUPPORT (NOT BY METL-SPAN))

(FP2) SIDE JOINT AND (1) BLIND RIVET

10”
FROM FEMALE EDGE (CRITICAL)

(FP3) SIDE JOINT AND (2) BLIND RIVETS

CF30 FASTENING PATTERNS