SUBMITTAL SHEET: #213 WIRE VENEER ANCHOR SYSTEM

Standard: 14 gage backplate made for no insulation, 1” insulation, 1 ½” insulation, 2” insulation and 3” insulation. Available in Mill Galvanized, Hotdip Galvanized After Fabrication (ASTM A 153), and Type 304 Stainless Steel (ASTM A 580).
(Use #282 Double Pintle Wire Ties for Tie Section)

Backplates are attached directly to the backup system. Insulation is then placed above and below the wire tie tab. (Note: If ties are placed 16” on center, your insulation will have to be in 16” strips)

Stainless Steel:
Sheet metal anchors and ties: ASTM A 167 AISI Type 304.
Plate and bent bar anchors: ASTM A 666 AISI Type 304.
Wire ties and anchors: ASTM A 580 AISI Type 304.

Hotdip Galvanized:
ASTM A 153 Class B-2: (1.50 oz/ ft²)(0.46kg/m²)

Mill Galvanized:
Sheet metal anchors and ties: ASTM A 653 G60
Wire: ASTM A 641 (0.1 oz/ ft²)

Plain Steel:
Sheet Metal anchors and ties: ASTM A 569, ASTM A 366.
Plates, bars, and shapes: ASTM A 123, ASTM A 36.
Wire: ASTM A 82, ASTM A 82-95a.

TEST DATA: The pullout strengths when fastened to a steel stud with #10 or larger sheet metal screws were determined to be:

20 gage stud: 321 lbs 18 gage stud: 537 lbs 16 gage stud: 701 lbs
(Tested with one screw per backplate)
When testing the complete unit with a double pintle the ultimate strength was approximately 500 lbs when the eccentricity was 0. The ultimate strength was 100 lbs when the eccentricity was 1 ¼”. (Eccentricity of 1 ¼” should be the maximum used.)

<table>
<thead>
<tr>
<th>Properties – Unit</th>
<th>Tensile #1</th>
<th>Tensile #2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deflection @ 100 lbf - in</td>
<td>0.044</td>
<td>0.042</td>
</tr>
<tr>
<td>Load @ 0.050” Deflection</td>
<td>107</td>
<td>103</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Properties – Unit</th>
<th>Compression #1</th>
<th>Compression #2</th>
<th>Compression #3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deflection @ 100 lbf - in</td>
<td>0.043</td>
<td>0.048</td>
<td>0.031</td>
</tr>
<tr>
<td>Load @ 0.050” Deflection</td>
<td>114</td>
<td>104</td>
<td>189</td>
</tr>
</tbody>
</table>

Meets ACI-530 code requirements.