Heckmann Building Products Inc.

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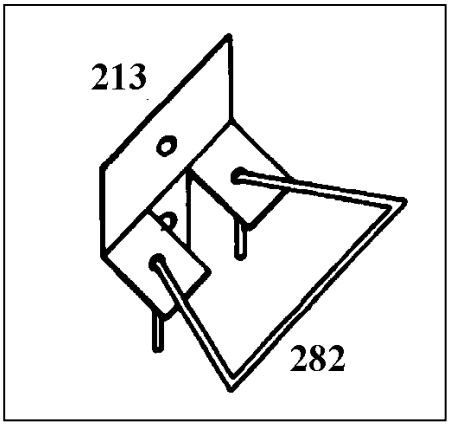
SUBMITTAL SHEET: #213 WIRE VENEER ANCHOR SYSTEM

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/ ft^2.)(0.46kg/m^2)
Mill Galvanized:
Sheet metal anchors and ties: ASTM A 653 G60
Wire: ASTM A 641 (0.1 oz/ ft^2.)
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.

Approvals:

Comments:

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.)

Properties – Unit	Tensile #1	Tensile #2
Deflection @ 100 lbf - in	0.044	0.042
Load @ 0.050" Deflection - lbf	107	103

Properties – Unit	**Compression #1**	**Compression #2**	**Compression #3**
Deflection @ 100 lbf - in	0.043	0.048	0.031
Load @ 0.050" Deflection - lbf	114	104	189

Meets ACI-530 code requirements.