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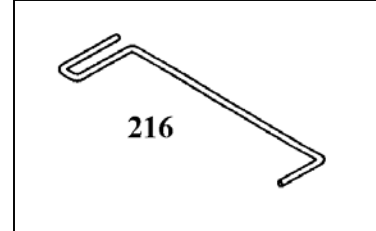
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SUBMITTAL SHEET: #216 WIRE-TYPE COLUMN ANCHORS

SIZE: Anchors are 3" (76.2mm), 5" (127mm), 7" (177.8mm), and 9" (228.6mm) long from the inside of the flange loop to the masonry bend. The loop has a 1/2" (12.7mm) opening and a 2-1/2" (63.5mm) grip on the flange. The masonry bend is 2" (50.8mm). Available in 1/4" (6.35mm) diameter and 3/16" (4.763mm) diameter Mill Galvanized wires conforming to ASTM A82 were tested.

APPLICATION: Used to tie masonry walls to steel columns with the column flanges parallel to the wall. Installed in pairs 24" (609.6mm) o.c. on each side of the column.

TEST CONDITIONS: A 3/8" (9.525mm) x 6" (152.4mm) x 6" (152.4mm) steel flat stock was fabricated to simulate a WF Steel Beam. Anchors were tested in pairs by placing them onto the flat stock so that both wires were lying in the same vertical plane. The 2" (50.8mm) masonry bends were clamped and attached to a load cell. The test was to determine failure at the loop that hooks onto the beam. The samples were tested to failure at a crosshead speed of 0.5"/minute (12.7mm/minute).



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.

Approvals:

Comments:

TEST RESULTS:

1/4" DIAMETER		3/16" DIAMETER	
NO. ANCHORS TESTED	AVERAGE PULLOUT	NO. ANCHORS TESTED	AVERAGE PULLOUT
4	1,542 lbs	5	816 lbs