



Heckmann Building Products Inc.

1501 N. 31st Avenue

Melrose Park, IL 60160-2911

800-621-4140 or 708-865-2403 Fax: 708-865-2640

www.heckmannanchors.com

SUBMITTAL SHEET: #395 T-TYPE GROUTLESS WALL ANCHOR

Standard Sizes:

11 gage x 3-1/4" wide x Length Required. Welded corrugated bar is 1-1/2" x 16".

Square fabricated for 1/2", 3/4", or 1" vertical sliding bars.

Specify steel type [Stainless Steel],[Hotdip Galvanized After Fabrication]

The efficient and reliable transfer of horizontal forces between a masonry wall and the building frame is critical to the stability of the building and its main components.

The #395-T allows you to connect a masonry wall to Joist, Joist Girder or any other Truss as well as to a Castelated or Rolled Beam, while allowing free deflection. The anchor is pre-loaded onto the Vertical Sliding Bar which is then welded to the steel member. As the wall is built, the anchor is placed in the mortar joint. The test data attached was tested without grouting the cells of the block wall.

System Benefits

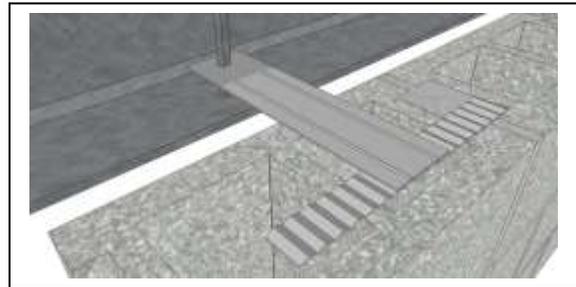
1. Allows the use of joists and joist girders along the perimeter of the building, while anchoring the masonry wall to the open web members with the same efficiency as to a rolled steel member. This can reduce significantly the total cost of the steel framing.

2. Allows the placement of the beam, joist, or joist girder along the wall, rather than built into the wall, while assuring proper connection to the masonry.

3. Allows the use of the masonry wall as a shear wall more often, because the connection is stronger and more reliable. If necessary, two anchors can be installed on a single vertical sliding bar, thus increasing the total shear resistance of the system in a very economical way.



395



Stainless Steel:

Sheet metal anchors and ties: ASTM A 167 AISI Type 304.

Hotdip Galvanized:

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

For Firewall Anchors see product #394

Approvals:

Comments:

TEST DATA

Testing the anchorage of the Groutless Anchor Bar System, when embedded in a mortar bed of 12” hollow masonry block wall. Grout was NOT used to fill the cells at the anchor.

For the test, hollow Concrete Masonry Units were used conforming to ASTM C-90 and Mortar Type S conforming to ASTM C-270.

In this test, the anchor was embedded in the masonry mortar bed, allowing approximately 6” free extension from the face of the masonry wall to the center of the 1” x 1” square bar via which the tension and compression force was applied. The shear force was applied directly on the anchor bar, very close to the face of the masonry. 5 walls were built and tested with the following results:

All forces in Pounds

Sample No.	1	2	3	4	5	Average
Tension	3,863	3,500	3,500	3,600	3,500	3,592
Shear	-	2,070	2,500	2,200	2,184	2,238
Compression	4,910	3,660	4,140	3,830	3,050	3,918