

#75 POS-I-TIE® Brick Veneer Anchoring System
Barrel Screws
#75TC Pos-I-Tie® ThermalClip®
#282-N Pintle Wire Ties for ThermalClip®
Pos-I-Tie® Triangle Wire Ties for Original System
#75-PW Large Plastic Insulation Washers

SECTION 04 00 00 MASONRY
Section 04 05 19.16 Masonry Anchors
Section 04 05 19.29 Stone Anchors
Section 04 05 23 Masonry Accessories
Section 04 21 13.13 Brick Veneer Masonry

PART 1: GENERAL

1.1 RELATED SECTIONS

A. Provide shop drawings for all product locations.

1.2 SUBMITTALS

A. Manufacturer Certificate of Compliance for materials.

B. Product Data: Manufacturer's data sheet on each type of product furnished.

PART 2: MANUFACTURER

2.1 MANUFACTURER

Acceptable Manufacturer:
Heckmann Building Products
110 Richards Ave.
Norwalk, CT 06854-1685
800-621-4140
Email: info@heckmannanchors.com
Website: www.heckmannanchors.com

2.2 APPLICATIONS

- A. Provide anchoring systems that comply with TMS 402/602-22 Building Code Requirements and Specification for Masonry Structures 2022.
- B. ASTM A 36/A36M-14 Standard Specification for Carbon Structural Steel.
- C. ASTM A1008/A1008M-24 Sheet Metal Anchors and Ties (Plain Steel).

- D. ASTM A153/A153M-16a Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
- E. ASTM A641/A641M-19 Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire (Mill Galvanized)
- F. Stainless Steel AISI [Type 304] or [Type 316].
 - 1) ASTM A240/A240M-24b Standard Specification for Chromium and Chromium Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.
 - 2) ASTM A666/666M-24 Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
 - 3) ASTM A276/A276M-24a Standard Specification for Stainless Steel Bars and Shapes.
 - 4) ASTM A580/A580M-23 Standard Specification for Stainless Steel Wire.

2.3 MATERIALS

A. Barrel Anchors for Backup – Heckmann No. 75 Pos-I-Tie® one-piece barrel screw consisting of a 92% Zamac 2 Zinc Barrel, steel/EPDM washer, flanged head and eye. Designed to seat barrel directly on structural portion of backup, with flanged head and washer sealing the fastener hole.

- 1. Anchors to Concrete/CMU/Wood backup
NO. 75 POS-I-TIE® CONCRETE/CMU/WOOD BARREL SCREW
- 2. Anchors to Steel Stud (18 gage – 12 gage) backup
NO. 75 POS-I-TIE® SELF-DRILLING STEEL STUD SCREW

B. [Original Pos-I-Tie® System] or [ThermalClip® System]

Pos-I-Tie® Original System:

- 1. **Pos-I-Tie® Triangle Wire Ties** for single barrel loop.
 - a. 3/16" diameter x [3"] [3-1/2"] [4"] [5"] [custom length]
 - b. [Hotdip Galvanized After Fabrication] [Type 304 Stainless Steel]

Pos-I-Tie® ThermalClip® System:

ThermalClip® attachment for thermal break between anchor and tie

Pos-I-Tie® 282-N Pintle Wire Ties for ThermalClip® attachment

- c. 3/16" diameter x [3"] [3-1/2"] [4"] [5"] [custom length]
- d. [Hotdip Galvanized After Fabrication] [Type 304 Stainless Steel]

A. Pintle Stone Anchors for ThermalClip®

[1/8" only] [2" wide only] [Stainless Steel [304][316]] [pintles 1/8" x 3/16" with 1-1/4" vertical adjustability] [length (od)] [ctr to ctr pintles 1-1/8"]

B. Continuous Insulation Washers

1. 75SW 18 gauge steel washer with EPDM backing 1-1/2" diameter
2. 75PW Plastic Washer 2" diameter

PART 3: EXECUTION

A. Pos-I-Tie® Barrel Screws

1. Self-Drilling Screw: Use a standard drill with a variable clutch adjustment and a Pos-I-Tie® Chuck Adapter. Place the barrel end of the screw in the chuck adapter; drill through the gypsum board and into the metal stud. No pre-drilling is required.
2. Concrete/CMU Screw: Use a standard hammer drill with a 3/16" (4.76 mm) masonry drill bit. Set the drill to Hammer mode and drill a 2" deep hole into the backup. Using a drill with the Pos-I-Tie® Chuck adapter in non-hammer mode, place the barrel end of the screw in the chuck adapter. Drill the screw into the hole.

B. Pos-I-Tie® Wire Triangle Ties (non-ThermalClip® barrels)

1. Spread the triangle wire tie slightly apart and insert into the barrel screw eye and move the loop to the barrel eye. Adjust vertically to fit into the mortar joint.

C. Pos-I-Tie® 75TC ThermalClip®

1. Insert the ThermalClip® tab into the Pos-I-Tie® barrel eye from the bottom. Fold over the top tab of the ThermalClip® and squeeze the clip together until you hear a distinct click of the two tabs connecting.

D. Pos-I-Tie® No. 282-N Pintle Wire Ties for ThermalClip®

1. Insert the Pintle wires into the ThermalClip® and adjust to fit into the mortar joint.

C. Pintle Stone Anchors for Pos-I-Tie® ThermalClip®

1. Insert pintles into ThermalClip® and place in stone.

D. 610 Thermal-Grip® Plastic Washers

1. 75SW and 75PW slide the washer onto the Pos-I-Tie® barrel screw and drill into backup

End of Section