SECTION 04085
MASONRY ANCHORS AND ACCESSORIES

PART 1  GENERAL

1.1 SECTION INCLUDES

A. Masonry veneer anchors and ties.

1.2 RELATED SECTIONS

A. Section 04810 - Unit Masonry Assemblies.

1.3 REFERENCES

*****************************************************************
NOTE: Delete references from the list below that are not actually required by the text of the edited section.
*****************************************************************


1.4 SUBMITTALS

A. Submit under provisions of Section 01300.

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

PART 2  PRODUCTS

2.1 MANUFACTURER

A. Acceptable Manufacturer: Heckmann Building Products Inc., 1501 N. 31st Avenue, Melrose Park, IL 60160
800-621-4140 or 708-865-2403 FAX: 708-865-2640
Email: info@heckmannanchors.com.
Website: www.heckmannanchors.com.

*****************************************************************
NOTE: Delete paragraph below; coordinate with Division 1 requirements.
*****************************************************************

B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

C. Substitutions: Not permitted.
2.2 APPLICATIONS

A. Provide anchoring systems that comply with ACI 530.1/ASCE 6/TMS 602.

B. Masonry Anchors:

1. Anchors to Concrete: No. 75: Heckmann "Pos-I-Tie®" Concrete/CMU Screw.
5. Anchors to Wood Stud Backup: No. 75: Heckmann "Pos-I-Tie®" Concrete/CMU Screw.

C. Masonry Ties:

1. Masonry Veneer Ties: Provide minimum 2 inches (50 mm) embedment in mortar.

   A. Wire 3/16 inch (4.75 mm) diameter x [Length]
      (Standard Lengths are 3′, 3-1/2′, 4′ and 5′)

   *******************************************************************************
   Note: ** Delete all of the following types that are not required.
   *******************************************************************************

   A. No. 75 Pos-I-Tie® Triangle Wire Tie
   B. No. 75 Pos-I-Tie® Single Wire Tie

   Other Applications: Where details or installation conditions require, provide ties fabricated of shape and size to suit conditions and provide adequate anchorage.

2. Masonry Veneer Seismic Ties: Continuous wire in mortar joint, anchored to Pos-I-Tie® Triangle Tie with welded No. 370 Seismic clip.

   *******************************************************************************
   Note: Select one of the following 3 combinations of materials:
   for wire ties.
   *******************************************************************************

   D. Material for Ties in Exterior Walls: Stainless steel.
   E. Material for Ties in Exterior Walls: Hot-dip galvanized.
   F. Material for Ties Exposed to Air in Exterior Walls: Hot-dip galvanized.
   G. Material for Ties Completely Embedded in Mortar Joints: Mill galvanized.
2.3 MATERIALS

1. Barrel Materials

Heckmann "No. 75 Pos-I-Tie®": One-Piece Screw consisting of a 92% Zamac 2 Zinc barrel, washer, flanged head and eye to receive Pos-I-Tie® wire tie; designed to seat barrel directly on structural portion of backup, with flanged head covering fastener hole.

1. Provide barrel shaft length [5/8 inch] [1 inch] [1-1/2 inch] [2 inch] [2-1/2 inch] [3 inch] [3-1/2 inch] [4 inch] [5 inch] with screw to suit substrate.

1. Wire Tie Materials

A. Stainless Steel: Type 304.
   1. Wire: 3/16 inch (4.76 mm) diameter ASTM A 580/A 580M.

   1. Wire: 3/16 inch (4.76 mm) diameter.

C. Mill Galvanized Steel:
   1. Wire: ASTM A 641, regular coating; 3/16 inch (4.76 mm) diameter.

PART 3 EXECUTION

3.1 INSTALLATION

A. Pos-I-Tie® 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.

2. Concrete/CMU Screw: Use a standard hammer drill and a Pos-I-Tie® Sleeve Tool with a Pos-I-Tie Chuck Adapter on the end. Set Drill to Hammer, slide off the chuck adapter sleeve and drill a 2" deep hole into the backup with a 3/16" (4.76 mm) masonry drill bit. Replace the sleeve/chuck adapter, switch the hammer mode off, and place the barrel end of the screw in the chuck adapter. Drill the screw into the hole.

3. Drill-It® 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, and drill the screw into the structural member. (Some structural steel may require pre-drilling a pilot hole)
B. Pos-I-Tie® Wires

1. Configure ties to prevent flow of water to anchor and to transfer lateral loads without excess mechanical play or deformation.

END OF SECTION