

SECTION 04085

MASONRY ANCHORS AND ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

\*\*\*\*\*  
NOTE: Delete items below not required for project.  
\*\*\*\*\*

- A. Masonry veneer anchors and ties.
- B. Stone veneer anchors and ties.
- C. Masonry accessories.

1.2 RELATED SECTIONS

- A. Section 04810 - Unit Masonry Assemblies.
- B. Section 04851 - Cut Stone Veneer.
- C. Section 04852 - Stone Masonry Veneer.

1.3 REFERENCES

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

- A. ASCE/ACI 530-05 - Specifications for Masonry Structures;  
2005.
- B. ASTM A 153/A 153M - Standard Specification for Zinc  
Coating (Hot-Dip) on Iron and Steel Hardware; 1998.
- C. ASTM A 167 - Standard Specification for Stainless and  
Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and  
Strip; 1996.
- D. ASTM A 240/A 240M - Standard Specification for Heat-  
Resisting Chromium and Chromium-Nickel Stainless Steel  
Plate, Sheet, and Strip for Pressure Vessels; 1998b.
- E. ASTM A 276 - Standard Specification for Stainless Steel  
Bars and Shapes; 1998b.
- F. ASTM A 479/A 479M - Standard Specification for Stainless  
and Heat-Resisting Steel Bars and Shapes for Use in  
Boilers and Other Pressure Vessels; 1997a.
- G. ASTM A 580/A 580M - Standard Specification for Stainless

Steel Wire; 1998.

- H. ASTM A 653/A 653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 1998.
- I. ASTM B 633 - Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel; (Reapproved 1994).

#### 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 MANUFACTURERS

Acceptable Manufacturer: Heckmann Building Products Inc.,  
1501 N. 31<sup>st</sup> Avenue, Melrose Park, IL 60160  
800-621-4140 or 708-865-2403 FAX: 708-865-2640  
Email: Heckmann@worldnet.att.net.  
Website: [www.heckmannbuildingprods.com](http://www.heckmannbuildingprods.com).

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

- A. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- B. Substitutions: Not permitted.

#### 2.2 APPLICATIONS

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

\*\*\*\*\*  
Note: Select one of the following 3 combinations of materials: all stainless steel, all hot-dip galvanized, or hot-dip galvanized except for items completely embedded in mortar. Delete the inappropriate choices.  
\*\*\*\*\*

- F. Material for Anchors and Ties in Exterior Walls: Stainless steel.
- G. Material for Anchors and Ties in Exterior Walls: Hot-dip galvanized.

- H. Material for Anchors and Ties Exposed to Air in Exterior Walls: Hot-dip galvanized.
- I. Material for Ties Completely Embedded in Mortar Joints: Mill galvanized.

## 2.3 MATERIALS

### A. Steel Types

- 1. Stainless Steel: Type 304.
  - A. Sheet Metal: ASTM A 167 or ASTM A 240/A 240M.
  - C. Plates, Bars, and Shapes: ASTM A 167 or ASTM A 276.
- 2. Hot-Dip Galvanized Steel: Hot-dip galvanized after fabrication in accordance with ASTM A 153/A 153M, Class B-2.

### B. Products

- 1. Masonry Wall Stabilizing Anchors: Anchoring top of wall to structure while allowing vertical deflection.
  - 1. **Type: No. 138** Channel Slot Flat Anchor used with a [#130 Welded Channel Slot][#133 Continuous Welded Channel Slot] on a Structural Beam. Channel Slot Anchor 12 gage (2.6 mm) x 1-1/4 inch ( mm) wide x[length] from channel, sliding in **No. 422 Plastic Rectangle Tube** embedded in mortar at top of wall.
    - A. Material: Hot-dip galvanized.
    - B. Material: Stainless steel.
- 2. Veneer Wall Anchor:
  - 1. **Type: No. 138** Channel Slot Flat Anchor used with a [#130 Welded Channel Slot][#132 Face Type Channel Slot][#133 Continuous Channel Slot] on a backup wall or beam. Channel Slot Anchor 12 gage (2.6 mm) x 1-1/4 inch ( mm) wide x[length] from channel, usually field-bent to fit into a stone kerf.
    - A. Material: Hot-dip galvanized.
    - B. Material: Stainless steel

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Install as specified in applicable masonry section(s).

END OF SECTION