

SECTION 04085

MASONRY ANCHORS AND ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

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NOTE: Delete items below not required for project.  
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- 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

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NOTE: Delete references from the list below that are not actually required by the text of the edited section.  
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- 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: [info@heckmannanchors.com](mailto:info@heckmannanchors.com)

Website: [www.heckmannanchors.com](http://www.heckmannanchors.com).

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NOTE: Delete paragraph below; coordinate with Division 1 requirements.  
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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: Dovetail Slots cast in forms.

1. Anchors to Concrete:

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.

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C. Material for Anchors and Ties in Exterior Walls: Stainless steel.

1.Exception: Structural Plates, Angles, and Bars: Hot-dip galvanized.

D. Material for Anchors and Ties in Exterior Walls: Hot-dip Galvanized After Fabrication.

E. Material for Anchors and Ties Exposed to Air in Exterior Walls: Hot-dip galvanized After Fabrication.

- 1. Exception: Dovetail Slots: Stainless steel.
- 2. Exception: Dovetail Slots: Mill galvanized steel.

F. Material for Ties Completely Embedded in Mortar Joints: Mill galvanized.

### 2.3 MATERIALS

A. Stainless Steel: Type 304.

Sheet Metal: ASTM A 167 or ASTM A 240/A 240M.

B. Hot-Dip Galvanized Steel: Hot-dip galvanized after fabrication in accordance with ASTM A 153/A 153M, Class B-2.

C. Mill Galvanized Steel:

- 1. Sheet Metal: ASTM A 653/A 653M, G60 coating.
- 2. Wire: ASTM A 641, regular coating; minimum 3/16 inch (4.76 mm) diameter.

D. Dovetail Slots: Heckmann No. **100-A LARGE DOVETAIL ANCHOR SLOT.**

1. Size: 2 inches (50 mm) wide by 1-1/2 inches (38 mm) deep by 1-3/8 inch (35 mm) throat.

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Note: Delete all but one of the following metal thicknesss.

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- 1. Metal Thickness: 16 gage (1.5 mm).
- 2. Metal Thickness: 18 gage (1.2 mm).
- 3. Metal Thickness: 20 gage (0.9 mm).

## PART 3 EXECUTION

### 3.1 INSTALLATION

A: Dovetail Anchor Slot: Nail filler side down to concrete forms. Nails should be placed every 12 inches (305 mm). Space Slots [vertically][horizontally] every [specify distance between slots].

B: Anchors: Insert anchor at desired height into Dovetail Anchor Slot. Turn 90 degrees to lock into the slot. Place mortar above and below anchor in the mortar joint.  
[Specify spacing of anchors].

END OF SECTION