

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. 31st 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.

 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: The following anchors are one part of a two-part system - the part that attaches to the backup or structure. These anchors are suitable for masonry veneer, stone, and other claddings. Be sure, if any of these are used, that the second part - the tie or other attachment to the cladding - is also specified.

- B. Masonry Anchors:
 - 1. Anchors to Concrete: Channel slots screwed to face.

133 LONG CHANNEL SLOT

16 gage x [5 ft (1.524 m)][10 ft (3.048 m)]

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.

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

2.3 MATERIALS

- A. Stainless Steel: Type 304.
 - 1. 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.
- E. Channel Slots: 7-3/8 inch (187 mm) slots with 3/4 inch
(19 mm) between slots.

3. Continuous Slots: **133 LONG CHANNEL SLOT** 16 gage x [5
feet (1.524 m)][10 feet (3.048 m)]

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install as specified in applicable masonry section(s).
 - A. **133 LONG CHANNEL SLOT:**
 - 1. Welded to Structural: Weld 1-1/2" (38.1 mm) on
both sides at distances recommended by
structural engineer.

2. Attached to Existing wall: Use Heckmann No. 133-P Bridge Plates along with acceptable fastener for the backup system. Fasten minimum of every 16 inches.
1. Ties: Insert tie into channel and rotate 90 degrees.

END OF SECTION