SECTION 04085

MASONRY ANCHORS AND ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

****
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 Electrodepositied 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: info@heckmannanchors.com
Website: www.heckmannanchors.com.

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

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NOTE: The following anchors are one part of a two-part system - the part that goes into the veneer. These anchors are suitable for masonry veneer, stone, and other claddings. Be sure, if any of these are used, that the Channel Slot that attaches to the backup - is also specified.
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B. Masonry Veneer Ties: Provide minimum 2 inches (50 mm) embedment in mortar.

1. For Use with channel slots:
   123 CHANNEL SLOT HORIZONTAL TRIANGLE ANCHOR
   [gage] x 1-1/4 inches (32 mm) x 12 inches (305 mm) from face of channel.

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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.

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.
   2. Wire: ASTM A 580/A 580M.

B. Hot-Dip Galvanized Steel: Hot-dip galvanized after fabrication in accordance with ASTM A 153/A 153M, Class B-2.
   1. Wire: Minimum 3/16 inch (4.76 mm) diameter.

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.

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Note: Delete all but one of the following thickness descriptions. Coordinate with materials specified above.
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Maximum thickness for channel slot ties stainless steel 1/8”; for galvanized, 3/16 inch.
   3. Metal Thickness: 3/16 inch (4.7 mm).
   2. Metal Thickness: 1/8 inch (3.175 mm).
   3. Metal Thickness: 12 gage (2.6 mm).
   4. Metal Thickness: 16 gage (1.5 mm).

END OF SECTION