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## 047200 - Cast Stone Masonry

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## **SECTION 04 7200 - CAST STONE MASONRY**

### 1.1 SUMMARY

#### A. Section Includes:

1. Cast stone trim.
2. Cast stone steps.
3. Cast stone bollards.
4. Cast stone benches.
5. Cast stone curbing.

### 1.2 SUBMITTALS

#### A. LEED Submittals:

1. Product Certificates for Credit MR 5.1 and Credit MR 5.2: For products and materials required to comply with requirements for regional materials indicating location and distance from Project of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include statement indicating cost for each regional material and the fraction by weight that is considered regional.

### 1.3 QUALITY ASSURANCE

- #### A. Manufacturer Qualifications:
- A qualified manufacturer of cast stone units similar to those indicated for this Project, that has sufficient production capacity to manufacture required units, and is a plant certified by the Cast Stone Institute.

### 1.4 CAST STONE UNITS

- #### A. Regional Materials:
- Provide cast stone units that have been manufactured within 500 miles (800 km) of Project site from aggregates and cement that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles (800 km) of Project site.
- #### B.
- Provide cast stone units complying with ASTM C 1364 using either the vibrant dry tamp or wet-cast method.
- #### C.
- Acid etch units after curing to remove cement film from surfaces to be exposed to view.
- #### D. Colors and Textures:
- As selected by the University from manufacturer's full range.

1.5 MORTAR

- A. Comply with requirements in Chapter 5, Division 04, Section 042000 for mortar materials and mixes.
- B. Regional Materials: Provide aggregate for mortar and grout, cement, and lime that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles (800 km) of Project site.

1.6 SETTING CAST STONE IN MORTAR

- A. Install cast stone units to comply with requirements in Chapter 5, Division 04, Section 042000.

1.7 SETTING ANCHORED CAST STONE WITH SEALANT-FILLED JOINTS

- A. Set units accurately in locations indicated with edges and faces aligned.
  - 1. Install anchors, supports, fasteners, and other attachments to secure units in place.
  - 2. Shim and adjust anchors, supports, and accessories.
- B. Fill anchor holes with sealant.
  - 1. Where dowel holes occur at pressure-relieving joints, provide compressible material at ends of dowels.
- C. Set cast stone supported on clip or continuous angles on resilient setting shims. Hold shims back from face of cast stone a distance at least equal to width of joint.
- D. Keep joints free of mortar and other rigid materials. Remove temporary shims and spacers from joints after anchors and supports are secured in place and cast stone units are anchored.
- E. Prepare and apply sealant of type and at locations indicated to comply with applicable requirements in Chapter 5, Division 07, Section 079200.

END OF SECTION 04 7200