

SECTION 10 14 16

PLAQUES

PART 1 GENERAL

1.01 SUMMARY

- A. Section includes plaques and document boxes.

1.02 SUBMITTALS

- A. Product Data: For each type of product
- B. Shop Drawings: For plaques and document boxes
 - 1. Include fabrication and installation details and attachments to other work.
 - 2. Show mounting heights, locations of supplementary supports to be provided by others, and accessories.
 - 3. Show message list, typestyles, graphic elements, and layout for each plaque at least half size.
- C. Samples: For each exposed product and for each color and texture specified.
- D. Information: Sample warranty
- E. Closeout: Maintenance data.

1.03 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of plaques and document box that fail in materials or workmanship within specified warranty period.

1.04 QUALITY ASSURANCE

- A. All plaques shall be in strict conformance to local codes, ADA, and signage ordinances.
- B. All plaques shall meet requirements listed in DPS Design & Construction Standards: DISTRICT PROCEDURES & DESIGN GUIDELINES; Part 16 Signage. 04/24/17

PART 2 PRODUCTS

2.01 PLAQUES AND DOCUMENT BOXES:

- A. Stone Plaque and Document Box: Furnish and install with background texture, edge detail and characters as indicated in Part 3 of this Section.
 - 1. Plaque Material: Granite
 - 2. Location: As indicated on drawings

2.02 ACCESSORIES

- A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of plaques and document boxes, noncorrosive and compatible with each material joined, and complying with the following:
 - 1. Use concealed fasteners and anchors unless indicated to be exposed.
 - 2. For exterior exposure, furnish stainless-steel devices unless otherwise indicated.
 - 3. Plaque Mounting Fasteners:
 - a) Concealed Studs: Concealed (blind) threaded studs welded or brazed to back of plaque, screwed into back of plaque, or screwed into tapped lugs cast integrally into back of plaque, unless otherwise indicated.
- B. Adhesive: As recommended by plaque manufacturer.
- C. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D 1187.

2.03 FABRICATION

- A. General: Provide plaques and document boxes according to requirements indicated in Part 3 of this Section.
 - 1. Provide welds and barzes behind finished surfaces with out distorting or discoloring exposed side. Clean exposed welded and bazed connetions of flux, and dress exposed and contact surfaces.
 - 2. Conceal connectons if possible; otherwise, locate connections where they are inconspicuous.
 - 3. Provde rebates, lugs, and barckets necessary to assemble components and to attach to existing work. Drill and tap for required fasteners. Use concealed fasteners where possible.
- B. Surface-Engraved Graphics: Machine engrave characters and other graphic devices into panel surface indicated to produce precisely formed copy, incised to uniform depth.
- C. Brackets: Fabricate brackets, fittings, and hardware for bracket-mounted plaques to suit plaque construction and mounting conditions indicated.

PART 3 EXECUTION

3.01 INSTALLATION

- A. General: Install plaques using mounting methods according to manufacturer's written instructions.
 - 1. Install plaques level, plumb, true to line, and at locations and heights indicated, with plaque surfaces free of distortion and other defects in appearance.
 - 2. Install plaques so they do not protrude or obstruct according to the accessibility standard.
 - 3. Before installation, verify plaque surfaces are clean and free of materials or debris that would impair installation.
 - 4. Corrosion Protection: Coat concealed surfaces of exterior aluminum in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.
- B. Mounting Methods:
 - 1. Concealed Studs: Using a template, drill holes in substrate aligning.
 - a) Masonry Substrates: Fill holes with adhesive. Leave recess space in hole for displaced adhesive. Place plaque in position and push until flush to surface, embedding studs in holes. Temporarily support plaque in position until adhesive fully sets.
 - b) Thin or Hollow Surfaces: Place plaque in position and flush to surface, install washers and nuts on studs projecting through opposite side of surface, and tighten.
 - 2. Brackets: Remove loose debris from substrate surface and install bracket supports in position so that plaque is correctly located and aligned.

3.02 PLAQUE AND DOCUMENTG BOX LAYOUT

- A. Construction and layout of plaque and document box shall be as noted on the next page.

END OF SECTION 10 14 16