

Series "D"

05800-1
SECTION 05800
EXPANSION CONTROL

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PART 1 GENERAL

1.01 SECTION INCLUDES

- A. "D" Series Expansion Joint Covers.
- B. Work included, Drawings and installation processes of the Contract, including General Conditions, Supplementary Conditions and Division-1 General Requirements apply to the work of this section.

1.02 RELATED SECTIONS

- A. Division 3 - Concrete Section.
- B. Division 7 - Thermal & Moisture Protection Section.
- C. Division 9 - Finishes Section.

1.03 REFERENCES

- A. ASTM B209 - Standard specification for aluminum and aluminum-alloy sheet and plate.
- B. ASTM B211 - Standard specification for aluminum and aluminum-alloy extruded bars, rods, wire, shapes and tubes.
- C. ASTM A240 - Standard specification for heat-resisting chromium and chromium-nickel stainless steel plate, sheet and strip for pressure vessels.
- D. ASTM B36/B36M - Standard specification for brass plate, sheet, strip and rolled bar.
- E. ASTM B455 - Standard specification for copper-zinc-lead alloy (leaded brass) extruded shapes.

1.04 SYSTEM DESCRIPTION

- A. "D" Series Expansion Joint Covers.
 - 1. "D" Series shall be constructed of all metal (aluminum, stainless steel or bronze) for floor, wall and ceiling systems.
 - 2. For 1" to 18" expansion joints.
 - 3. Accommodates up to +/- 50% of the joint-width movement.
 - 4. Other features:
 - a. No-Bump System.
 - b. Variable Recesses Available.
 - c. Cast-in-Place Anchors Available.

- d. Centering Spring System.
- e. Variable Movement.

1.05 SUBMITTALS

- A. Product Data: Submit, for each type of expansion joint cover assembly specified, the manufacturer's product specifications, installation instructions, details of construction relative to materials, dimensions of individual components, profiles and finishes.
 - 1. Please note that submissions or substitutions must be made within 10 working days of the general contract award to avoid project delay. If not followed, the Architect will designate the exact product to be used and the contractor will have no recourse.
- B. Certificates: Submit certificates, independent test reports or other documents showing compliance with fire-rating / resistance or other specified requirements.
- C. Shop Drawing: Submit detailed drawings showing layout of expansion joint cover assemblies and all special connections, jointing and accessories which are not completely shown in the manufacturer's data.
- D. Samples: Submit 6" long samples of each expansion joint cover assembly for approval.

1.06 QUALITY ASSURANCE

- A. Single Source Responsibility: Obtain expansion joint cover assemblies from one source from a single manufacturer.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Storage and Protection: Protect expansion joint cover assemblies from damage after delivery to site and before installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Specifications and drawings are based on Architectural Art Mfg., Inc. Products; 6409 Rhode Island Ave; Riverdale MD; Phone: (888) 213-0952, Fax: (800) 897-3129.
- B. Substitutions: Submit proposed substitution in writing to the Architect within 10 days of the bid due date. Submit samples and product data for Architects review and addendum approval.

2.02 MATERIAL

- A. Extruded Aluminum: Alloy 6063-T5.

B. Plate Aluminum: Alloy 6061-T6.

C. Bronze: Alloy 280 Muntz Metal.

D. Stainless Steel: Alloy 304.

2.03 FINISHES

A. Mill finish: Standard exposed finish.

B. Zinc Chromate: All surfaces in contact with wet cement.

2.04 FABRICATION

A. Shop assemble components and provide with all required components, anchors and fittings.

B. Fabricate special transitions, connections, corner fittings, etc. as required.

C. Fabricate and include fire barrier and components as required for fire rated / resistant installations.

D. Provide assembled components in single lengths wherever practical.

E. Provide assembly components of design, basic profile, materials, and operation indicated.

PART 3 EXECUTION

3.01 PREPARATION

A. Verify field measurements on Shop Drawings.

3.02 INSTALLATION

A. Install expansion joint cover assemblies in accordance with manufacturer's instructions for each type of condition encountered.

3.03 PROTECTION

A. Protect expansion joint cover assemblies from damage until adjacent construction is complete.

3.04 CLEANING

A. Do not remove protective material until finish work in adjacent areas is complete. When protective material is removed, clean exposed metal surface to comply with manufacturer's instructions.