

SECTION 05805
EXPANSION JOINT ASSEMBLIES

PART 1 GENERAL

1.1 SECTION INCLUDES:

- A. Expansion joint assemblies for floor, wall and ceiling surfaces

1.2 REFERENCES

- A. ASTM B221 - Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes
- B. ASTM B308 - Aluminum-Alloy, 6061-T6 Standard Structural Shapes, Rolled or Extruded
- C. ASTM B455 - Copper-Zinc Lead Alloy (Leaded Brass) Extruded Shapes
- D. Florida Building Code.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300
- B. Shop Drawings: Indicate joint and splice locations, miters, and layout of the work, affected adjacent construction and anchorage locations.
- C. Product Data: Provide joint assembly profiles, profile dimensions, anchorage devices, available colors and finish.
- D. Submit two samples 12" long, illustrating profile, dimension, color, and finish selected.
- E. Manufacturer's Installation Instructions: Indicate rough-in sizes; provide templates for cast-in or placed frames or anchors; required tolerances for item placement.

1.4 FIELD MEASUREMENTS

- A. Verify that field measurements are as instructed by the manufacturer.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Extruded Aluminum: ASTM B221, 6005 alloy, T5 temper; MIL AA-MIO or clear anodized AA C22A41
- B. Resilient Filler: Neoprene, exhibiting Shore A hardness of 40 - 50 Durometer.
- C. Threaded Fasteners: Aluminum
- D. Backing Paint: Asphaltic type.

2.2 FABRICATION

- A. Joint Covers: Aluminum cover plate, aluminum frame construction, retainers with resilient neoprene filler strip, designed to permit plus or minus 50% joint movement with full recovery, flush and recess mounted.
- B. Back paint components in contact with cementitious materials.
- C. Galvanize embedded ferrous metal anchors and fastening devices.
- D. Shop assembled components and package with anchors and fittings.
- E. Provide joint components in single length wherever practical. Minimize site splicing.

2.3 FINISHES

- A. Floors: Mill finish.
- B. Walls and Ceilings: Clear anodized.
- C. Resilient Filler Exposed to View: Gray.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify existing conditions under provisions of Section 01040.
- B. Verify that joint preparation and affected dimensions are acceptable.

3.2 PREPARATION

- A. Provide anchoring devices for installation and embedding.
- B. Provide templates and rough-in measurements.

3.3 INSTALLATION

- A. Install components and accessories in accordance with manufacturer's instructions.
- B. Align work plumb and level, flush with adjacent surfaces.
- C. Rigidly anchor to substrate to prevent misalignment.
- D. Provide rated units where required.

3.4 PROTECTION OF FINISHED WORK

- A. Protect finished Work under provisions of Section 01500.
- B. Do not permit traffic over unprotected floor joint surfaces.
- C. Provide removable strippable coating to protect finish surface.

END OF SECTION