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
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