3-PART CSI MASTERFORMAT SPECIFICATION
SECTION **079513.13**
INTERIOR EXPANSION JOINT COVER ASSEMBLIES

REV 06/23

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:
1. Interior expansion joint cover assemblies.

Edit note: modify this list per project requirements

1.2 RELATED REQUIREMENTS:

A. Section 07 91 00 “Preformed Joint Seals” for preformed foam and extruded-silicone joint seals.

B. Section 07 95 13.16 Exterior Expansion Joint cover assemblies

C. Section 07 95 13.19 Parking Deck expansion Joint cover assemblies

D. Floor and wall finishes: Refer to Division 09.

E. Field painting: Refer to Section 09 91 00.

1.3 COORDINATION

A. Coordinate sizes and locations of expansion joint cover assemblies with joint widths and assumed movement.

1.4 ACTION SUBMITTALS

A. Comply with Division 01 requirements.

B. Product Data: Manufacturer's specifications and technical data edited specifically for proposed system, including specific requirements indicated.
1. Detailed specification of construction and fabrication.

C. Shop Drawings: Indicate joint device profile, dimensions, location in the work, affected adjacent construction, anchorage devices, and location of splices.

D. Samples: Submit two 6-inch samples, illustrating operational properties of assemblies.

1.5 INFORMATIONAL SUBMITTALS

A. Sustainable Design Submittals:

1. Building Product Disclosure Requirements: To encourage the use of building products that are working to minimize their environmental and health impacts, provide the following information when available:
    a) Material Ingredients Documentation demonstrating the chemical inventory of the product.

1.6 PERFORMANCE REQUIREMENTS

A. Seismic Performance: Expansion joint cover assemblies shall withstand the effects of earthquake motions determined according to [ASCE/SEI 7] <Insert requirement>.

B. Fire-Resistance Ratings: Provide expansion joint cover assemblies with fire barriers identical to those of systems tested for fire resistance according to [**UL 2079] [ASTM E 1966]** by a qualified testing agency.
    1. Hose Stream Test: Wall-to-wall and wall-to-soffit assemblies shall be subjected to hose stream testing.

1.7 CLOSEOUT SUBMITTALS

A. Manufacturer's Installation Instructions and Operation & Maintenance: Indicate installation, operation and maintenance requirements and rough-in dimensions

B. Provide manufacturer's written warranty.

1.8 DELIVERY, STORAGE AND HANDLING

A. Comply with Division 01 requirements.

B. Packing and Shipping: Deliver products in original unopened packaging with legible manufacturer's identification.

C. Store per manufacturer’s instructions.
    1. Store in dry area out of direct sunlight.

PART 2 - PRODUCTS

2.1 MATERIAL

A. Aluminum: ASTM B209, ASTM B221

B. Apply manufacturer’s standard protective coating on aluminum surfaces to be placed in contact with cementitious materials

C. Stainless Steel: ASTM A 240/A 240M or ASTM A 666, Type 304 for plates, sheet, and strips.

D. Brass: ASTM B 36/B 36M, UNS Alloy C26000 for half hard sheet and coil.

E. Bronze: ASTM B 455, Alloy C38500 for extrusions; Alloy C23000 red brass for plates.

2.2 MANUFACTURERS

A. Erie Metal Specialties, Inc.
    13311 Main Rd.

Akron, NY 14001
PH: (716) 542-3991
www.eriemetal.com

2.3 INTERIOR FLOOR-TO-FLOOR EXPANSION CONTROL SYSTEMS

A. Elastomeric Corridor Flooring System Blockout Application
1. Basis-of-Design Product: Erie Metal Specialties, Inc. Model ELCF
2. Design Criteria:
a. Exposed Sight-Line: [As indicated on Drawings] <Insert width>.
b. Nominal Joint Width: [As indicated on Drawings] <Insert width>.
c. Minimum Joint Width: [As indicated on Drawings] <Insert width>.
d. Maximum Joint Width: [As indicated on Drawings] <Insert width>.
e. Material:
1) Aluminum
a) Finish: Mill.
2) Seal: Santoprene or equivalent.
a) Color: [**Beige**] [**White**] [**Gray**] [**Black**].
f. Attachment Method: Block out, concrete anchor, and backfill.
g. Load Capacity: Standard duty.

Retain "Fire-Resistance Rating" and "Moisture Barrier" subparagraphs below if required.

h. Fire-Resistance Rating: Provide expansion control system and fire-barrier assembly with a rating not less than [**that of adjacent construction**] <**Insert rating**>.
i. Moisture Barrier: Manufacturer's standard.

B. Elastomeric Corridor Flooring System Infill Application.
1. Basis-of-Design Product: Erie Metal Specialties, Inc. Model ELCFC
2. Design Criteria:
a. Exposed Sight-Line: [As indicated on Drawings] <Insert width>.
b. Nominal Joint Width: [As indicated on Drawings] <Insert width>.
c. Minimum Joint Width: [As indicated on Drawings] <Insert width>.
d. Maximum Joint Width: [As indicated on Drawings] <Insert width>.
e. Material:
1) Aluminum
a) Finish: Mill.
2) Seal: Santoprene or equivalent.
a) Color: [**Beige**] [**White**] [**Gray**] [**Black**].
f. Attachment Method: Mechanical anchor.
g. Load Capacity: Standard duty.

Retain "Fire-Resistance Rating" and "Moisture Barrier" subparagraphs below if required.

h. Fire-Resistance Rating: Provide expansion control system and fire-barrier assembly with a rating not less than [**that of adjacent construction**] <**Insert rating**>.
i. Moisture Barrier: Manufacturer's standard.

C. Elastomeric Corridor Flooring System Surface Application.
1. Basis-of-Design Product: Erie Metal Specialties, Inc. Model ELCFS
2. Design Criteria:
a. Exposed Sight-Line: [As indicated on Drawings] <Insert width>.
b. Nominal Joint Width: [As indicated on Drawings] <Insert width>.
c. Minimum Joint Width: [As indicated on Drawings] <Insert width>.
d. Maximum Joint Width: [As indicated on Drawings] <Insert width>.

e. Material:
1) Aluminum
a) Finish: Mill.
2) Seal Santoprene or equivalent:
a) Color: [**Beige**] [**White**] [**Gray**] [**Black**].
f. Attachment Method: Mechanical anchor.
g. Load Capacity: Standard duty.

Retain "Fire-Resistance Rating" and "Moisture Barrier" subparagraphs below if required.

h. Fire-Resistance Rating: Provide expansion control system and fire-barrier assembly with a rating not less than [**that of adjacent construction**] <**Insert rating**>.
i. Moisture Barrier: Manufacturer's standard.

D. Elastomeric Corridor Flooring System Tile Application
1. Basis-of-Design Product: Erie Metal Specialties, Inc. Model ELCFT
2. Design Criteria:
a. Exposed Sight Line: [As indicated on Drawings] <Insert width>.
b. Nominal Joint Width: [As indicated on Drawings] <Insert width>.
c. Minimum Joint Width: [As indicated on Drawings] <Insert width>.
d. Maximum Joint Width: [As indicated on Drawings] <Insert width>.
e. Material:
1) Aluminum
a) Finish: Mill.
2) Seal: Santoprene or equivalent.
a) Color: [**Beige**] [**White**] [**Gray**] [**Black**].
f. Attachment Method: Mechanical anchor.
g. Load Capacity: Standard duty.

Retain "Fire-Resistance Rating" and "Moisture Barrier" subparagraphs below if required.

h. Fire-Resistance Rating: Provide expansion control system and fire-barrier assembly with a rating not less than [**that of adjacent construction**] <**Insert rating**>.
i. Moisture Barrier: Manufacturer's standard.

2.4 INTERIOR FLOOR-TO-WALL EXPANSION CONTROL SYSTEMS

A. Elastomeric Corridor Flooring System Blockout Application.
1. Basis-of-Design Product: Erie Metal Specialties, Inc. Model ELCFw,
2. Design Criteria:

a. Exposed Sight-Line: **[As indicated on Drawings] <Insert width>**.
b. Nominal Joint Width: **[As indicated on Drawings] <Insert width>**.
c. Minimum Joint Width: **[As indicated on Drawings] <Insert width>**.
d. Maximum Joint Width: **[As indicated on Drawings] <Insert width>**.
e. Material:
1) Aluminum.
a) Finish: Mill.
2) Seal: Santoprene or equivalent.
a) Color: [**Beige**] [**White**] [**Gray**] [**Black**].

f. Attachment Method: Block out, concrete anchor, and backfill.
g. Load Capacity: Standard duty.

Retain "Fire-Resistance Rating" and "Moisture Barrier" subparagraphs below if required.

h. Fire-Resistance Rating: Provide expansion control system and fire-barrier assembly with a rating not less than [**that of adjacent construction**] <**Insert rating**>.
i. Moisture Barrier: Manufacturer's standard.

B. Elastomeric Corridor Flooring System Infill Application.
1. Basis-of-Design Product: Erie Metal Specialties, Inc. Model ELCFCw
2. Design Criteria:
a. Exposed Sight-Line: [As indicated on Drawings] <Insert width>.
b. Nominal Joint System Width: [As indicated on Drawings] <Insert width>.
c. Seal Width: [As indicated on Drawings] <Insert width>.
d. Minimum Joint Width: [As indicated on Drawings] <Insert width>.
e. Maximum Joint Width: [As indicated on Drawings] <Insert width>.
f. Material:
1) aluminum.
a) Finish: Mill.
2) Seal: Santoprene or equivalent.
a) Color: [**Beige**] [**White**] [**Gray**] [**Black**].
g. Attachment Method: Mechanical anchor.
h. Load Capacity: Standard duty.

Retain "Fire-Resistance Rating" and "Moisture Barrier" subparagraphs below if required.

i. Fire-Resistance Rating: Provide expansion control system and fire-barrier assembly with a rating not less than [**that of adjacent construction**] <**Insert rating**>.
j. Moisture Barrier: Manufacturer's standard.

C. Elastomeric Corridor Flooring System Surface Application.
1. Basis-of-Design Product: Erie Metal Specialties, Inc. Model ELCFSw
2. Design Criteria:
a. Exposed Sight-Line: [As indicated on Drawings] <Insert width>.
b. Nominal Joint Width: [As indicated on Drawings] <Insert width>.
c. Minimum Joint Width: [As indicated on Drawings] <Insert width>.
d. Maximum Joint Width: [As indicated on Drawings] <Insert width>.
e. Material:
1) aluminum.
a) Finish: Mill.
2) Seal: Santoprene or equivalent.
a) Color: [**Beige**] [**White**] [**Gray**] [**Black**].
f. Attachment Method: Mechanical anchor.
g. Load Capacity: Standard duty.

Retain "Fire-Resistance Rating" and "Moisture Barrier" subparagraphs below if required.

h. Fire-Resistance Rating: Provide expansion control system and fire-barrier assembly with a rating not less than [**that of adjacent construction**] <**Insert rating**>.
i. Moisture Barrier: Manufacturer's standard.

D. Elastomeric Corridor Flooring System Tile Application.
1. Basis-of-Design Product: Erie Metal Specialties, Inc. Model ELCFTw,
2. Design Criteria:
a. Exposed Sight Line: [As indicated on Drawings] <Insert width>.
b. Nominal Joint Width: [As indicated on Drawings] <Insert width>.
c. Minimum Joint Width: [As indicated on Drawings] <Insert width>.
d. Maximum Joint Width: [As indicated on Drawings] <Insert width>.
e. Material:

1) aluminum.
a) Finish: Mill.
2) Seal: Santoprene or equivalent.
a) Color: [**Beige**] [**White**] [**Gray**] [**Black**].

f. Attachment Method: Mechanical anchor.
g. Load Capacity: Standard duty.

Retain "Fire-Resistance Rating" and "Moisture Barrier" subparagraphs below if required.

h. Fire-Resistance Rating: Provide expansion control system and fire-barrier assembly with a rating not less than [**that of adjacent construction**] <**Insert rating**>.
i. Moisture Barrier: Manufacturer's standard.

2.5 FABRICATION

A. Shop assembles components and package with anchors and fittings.

B. Provide joint components in single lengths wherever practical. Minimize Site splicing.

C. Back paint components in contact with cementitious materials to prevent electrolysis.

D. Galvanize concealed ferrous metal anchors and fastening devices.

E. Floor expansion joint covers along accessible routes must comply with 2010 ADA Standards, including beveling of vertical offsets greater than 1/4 inch height.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that rough openings for joint covers are correctly sized and located.

B. Verify block outs are in place, where required.

3.2 PREPARATION

A. Provide anchoring devices for installation and embedment.

B. Provide templates or rough-in measurements.

3.3 INSTALLATION

A. Install components and accessories to comply with manufacturer's instructions.
1. Exterior conditions: Heat weld splices and intersections to form a continuous joint system.

B. Align work plumb and level, flush with adjacent surfaces.

C. Rigidly anchor to substrate to prevent movement or misalignment.

D. Where required install flexible fire barrier to comply with manufacturer's instructions.

END OF SECTION