



Erie Metal Specialties, Inc.  
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## **SPECIFICATION**

### **Section 07 95 13**

#### **Erie Metal Specialties, Interior Architectural Systems**

#### **Model(s) “EBWF” and EBWF(W) - Wall and Ceiling Joint Systems**

#### **Interior Expansion Control System**

#### **PART 1 - GENERAL**

##### **1.01 Work Included**

- A. The work shall consist of furnishing and installing expansion joints in accordance with the details shown on the plans and the requirements of the specifications. The joints are proprietary designs utilizing extruded elastomeric seals and aluminum profiles.
- B. Related Work
  - Miscellaneous and ornamental metals
  - Sealants and caulking
  - Interior Finishes

##### **1.02 Submittals**

- A. Template Drawings - Submit typical expansion joint cross-section(s) indicating pertinent dimensioning, general construction, component connections, and anchorage methods.

##### **1.03 Product Delivery, Storage and Handling**

- A. Deliver products in each manufacturer's original, intact, labeled containers and store under cover in a dry location until installed. Store off the ground, protect from weather and construction activities.

##### **1.04 Acceptable Manufacturer**

- A. All joints shall be supplied by; Erie Metal Specialties, Inc. • 13311 Main Road • Akron • New York • 14001 • Phone (716) 542-3991 • Fax (716) 542-3996 • [sales@eriemetal.com](mailto:sales@eriemetal.com) • [www.eriemetal.com](http://www.eriemetal.com) .
- B. Alternate manufacturers and their products will be considered, provided they meet the design concept and are produced of materials that are equal to or superior to those called for in the base product specification.



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C. Any proposed alternate systems must be submitted and receive approval 21 days prior to the bid. All post bid submittals will not be considered. This submission shall be in accordance with MATERIALS AND SUBSTITUTIONS.

- Any manufacturer wishing to submit for prior approval must provide the following:

1. A working 6" sample of the proposed system with a letter describing how system is considered superior to the specified system.
2. A project proposal drawing that illustrates the recommended alternate system installed in the wall or ceiling construction that is specific to the project. Typical catalog cut sections will not be considered.
3. Verifiable list of prior installations showing prior and successful experience with the proposed systems.
4. Any substitution products not adhering to all specification requirements within, will not be considered.

#### 1.05 Quality Assurance

- A. Warranty: The expansion control system's performance shall be warranted for a period of 1 year. Installation shall be in strict accordance with manufacturer's technical specifications, details, installation instructions and general procedures in effect for normal intended usage and suitable applications under specified design movements and loading conditions.
- B. Manufacturer: Shall have a minimum ten (10) years experience specializing in the design and manufacture of Architectural Expansion Control Systems.
- C. Maintenance: The manufacturer shall provide the owner-operator a preventive maintenance guideline for Expansion Control Systems.

### **PART 2 - PRODUCT**

#### 2.01 General

- A. Provide interior wall and ceiling expansion joint system that incorporates specially engineered elastomeric colorable profiles to facilitate multi-directional seismic movement without stress to adjacent components. Design system to be easily installed and surface mounted to traditional drywall construction utilizing drywall screws. Aluminum extrusions shall be designed with mounting flanges exhibiting factory pre-drilled holes properly sized and spaced.

#### 2.02 Components and Materials



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- A. Exposed Cover - Materials shall be aluminum conforming to properties of ASTM B221 6063-T5.
- B. Slide Gasket - Material shall be a polyvinyl chloride (PVC) extruded profile. Design gasket to mechanically lock into continuous channel of aluminum cover.
- C. Base Extrusion – Material shall be a rigid polyvinyl chloride extruded profile.
- D. Anchors - Supplied by others. Contractor shall install appropriate anchor to accommodate wall and/or ceiling construction. For gypsum wallboard construction, manufacturer recommends standard drywall screws of sufficient length. Maximum spacing shall be 18” c.c.

For masonry block or concrete construction utilize No. 12 diameter x 1 ¾” lg. (min.) flat head threaded concrete anchor. Anchor spacing at 18” c.c. maximum.

- E. Accessories - Provide necessary and related parts required for complete installation.

#### 2.03 Fabrication

- A. Extrusions to be shipped in standard 10 ft. lengths and shall be cut to length on jobsite where required. Profiles shall be miter cut in the field to conform to directional changes unless otherwise contracted with expansion joint manufacturer.
- B. Slide Gasket shall be shipped in the longest practical continuous length in manufacturer’s standard shipping carton.
- C. Fire Barriers - Ship manufacturer’s standard assembly for the required hourly rating. Fire barrier shall be miter cut in the field to accommodate changes in direction.
- D. All anchor holes shall be field drilled in accordance with manufacturer’s drawings. Spacing shall be a maximum of 24” c.c.

#### 2.04 Finishes

- A. Exposed Cover,
  - 1. Aluminum material  
Clear anodize Standard - Clear anodized finish in accordance with AA-M10 C22 A31 Class II (0.4 - 0.7 thick anodic coating).
  - 2. Colorized anodize. See manufactures color selection.

### **PART 3 - EXECUTION**



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### 3.01 Installation

- A. Protect all expansion joint component parts from damage during installation and placement of wall or ceiling materials and thereafter until completion of structure.
- B. Expansion joint systems shall be installed in strict accordance with the manufacturer's typical details and instructions along with the advice of their qualified representative.
- C. Contractor shall provide proper and adequate adjacent construction to receive and support the expansion control joint system. The supporting framework (studding) shall be of design to secure all threaded hardware and provide rigidity for the proper installation and function of the joint system.

### 3.02 Clean and Inspect

- A. Upon completing installation, the contractor shall clean all exposed metal surfaces with a suitable cleaner that will not harm or attack the finish. Contact manufacturer should questions arise regarding suitability of any cleaner type prior to its use.