



# SUBSTITUTION REQUEST

(After the Bidding/Negotiating Phase)

Project: \_\_\_\_\_ Substitution Request Number: \_\_\_\_\_  
 \_\_\_\_\_  
 From: \_\_\_\_\_  
 To: \_\_\_\_\_ Date: \_\_\_\_\_  
 \_\_\_\_\_  
 A/E Project Number: \_\_\_\_\_  
 Re: \_\_\_\_\_ Contract For: \_\_\_\_\_

Specification Title: \_\_\_\_\_ Description: \_\_\_\_\_  
 Section: \_\_\_\_\_ Page: \_\_\_\_\_ Article/Paragraph: \_\_\_\_\_

Proposed Substitution: \_\_\_\_\_  
 Manufacturer: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Trade Name: \_\_\_\_\_ Model No.: \_\_\_\_\_  
 Installer: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_

History:  New product  1-4 years old  5-10 years old  More than 10 years old

Differences between proposed substitution and specified product: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Point-by-point comparative data attached — REQUIRED BY A/E

Reason for not providing specified item: \_\_\_\_\_  
 \_\_\_\_\_

Similar Installation:

Project: \_\_\_\_\_ Architect: \_\_\_\_\_  
 Address: \_\_\_\_\_ Owner: \_\_\_\_\_  
 \_\_\_\_\_ Date Installed: \_\_\_\_\_

Proposed substitution affects other parts of Work:  No  Yes; explain \_\_\_\_\_

Savings to Owner for accepting substitution: \_\_\_\_\_ (\$ \_\_\_\_\_).

Proposed substitution changes Contract Time:  No  Yes [Add] [Deduct] \_\_\_\_\_ days.

Supporting Data Attached:  Drawings  Product Data  Samples  Tests  Reports  \_\_\_\_\_

# SUBSTITUTION REQUEST

(After the Bidding/Negotiating Phase — Continued)

---

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
  - Same warranty will be furnished for proposed substitution as for specified product.
  - Same maintenance service and source of replacement parts, as applicable, is available.
  - Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
  - Cost data as stated above is complete. Claims for additional costs related to accepted substitution which may subsequently become apparent are to be waived.
  - Proposed substitution does not affect dimensions and functional clearances.
  - Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.
  - Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.
- 

Submitted by: \_\_\_\_\_

Signed by: \_\_\_\_\_

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Attachments:

---

## A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: \_\_\_\_\_ Date: \_\_\_\_\_

---

Additional Comments:  Contractor  Subcontractor  Supplier  Manufacturer  A/E  
 Other:

# ESA/EDA-Series Flooring System

Interior Joints (Floor)

## FEATURES

**COORDINATE WITH FLOORING** Seamless integration with existing VCT, carpet and tile flooring.

**ADA COMPLAINT** This system is not a trip hazard as the no-bump design provides a finished flush floor transition.

## DETAILS

**MATERIAL** 6063-T6 Aluminum, Meets ASTM B221

**FINISH** Mill

**MOVEMENT**

- Thermal: Horizontal

**MOUNTING** Surface

**JOINT SIZE** Up to 2 inches

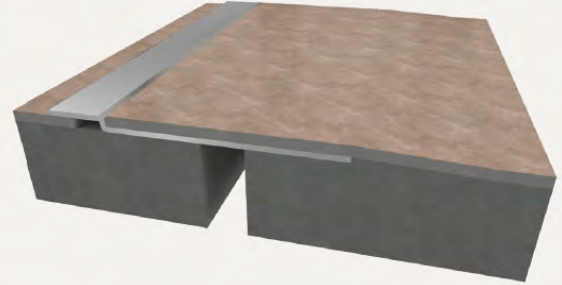
**LENGTH** 10 Linear Feet

**LOAD** Pedestrian and Light Cart

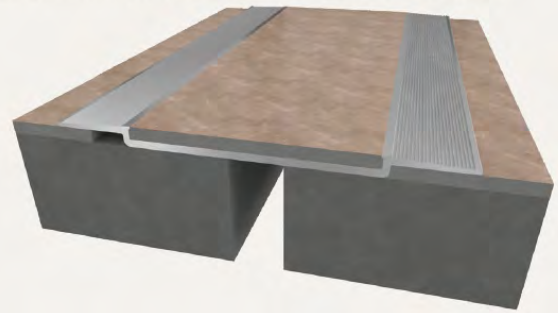
**INSTALLATION** Floor

**OPTIONS** Moisture barrier, fire barrier and additional materials, sizes and finishes upon request

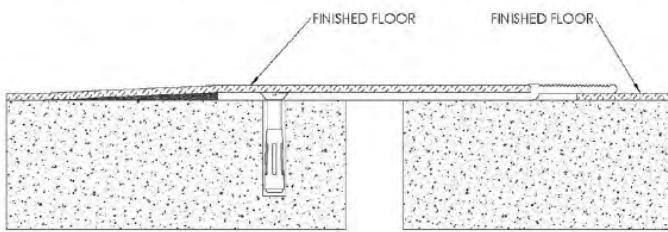
SINGLE WING FLOORING INFILL SYSTEM



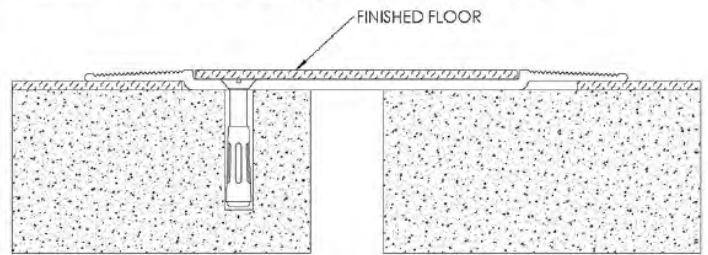
DOUBLE WING FLOORING INFILL SYSTEM



SINGLE WING FLOORING INFILL SYSTEM



DOUBLE WING FLOORING INFILL SYSTEM



## MODELS

MODEL	APPLICATION	JOINT SIZE AT MEAN T°F	EXPOSED SIGHT LINE	INFILL HEIGHT	TOTAL MOVEMENT
ESA150-125	Floor to Floor	2" (51mm)	1.5" (38mm)	0.125" (3mm)	1.25" (32mm)
ESA150-250	Floor to Floor	2" (51mm)	1.5" (38mm)	0.25" (6mm)	1.25" (32mm)
ESA150-375	Floor to Floor	2" (51mm)	1.5" (38mm)	0.375" (10mm)	1.25" (32mm)
EDA150-125	Floor to Floor	2" (51mm)	3" (76mm)	0.125" (3mm)	1.25" (32mm)
EDA150-250	Floor to Floor	2" (51mm)	3" (76mm)	0.25" (6mm)	1.25" (32mm)
EDA150-375	Floor to Floor	2" (51mm)	3" (76mm)	0.375" (10mm)	1.25" (32mm)



Erie Metal Specialties, Inc.  
13311 Main Road  
Akron, NY 14001

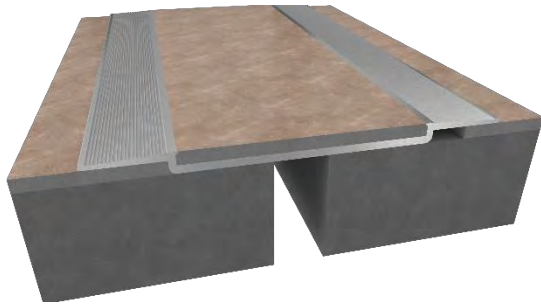
Phone: 716-542-3991  
Website: [www.eriemetal.com](http://www.eriemetal.com)  
E-Mail: [sales@eriemetal.com](mailto:sales@eriemetal.com)

# EDA150-Series Installation Instructions

## DOUBLE WING FLOORING INFILL SYSTEM

Model(s): EDA

### EDA Floor to Floor System



#### GENERAL DESCRIPTION

EMS' EDA Double Wing Flooring Infill System is designed to cover thermal expansion joint openings. Constructed of aluminum and designed to integrate with carpet, tile and VCT flooring, with a minimal sight line.

#### Introduction + Safety

**GENERAL SAFETY PRECAUTIONS** Improper selection, installation, or use can cause personal injury or property damage. It is solely the responsibility of the user, through their own analysis, to select products suitable to the specific application requirements, ensure proper maintenance and use as intended. Follow local, state, and federal regulations for proper installation and operation requirements.

Please read the complete instructions carefully before beginning any work. To ensure proper installation and performance of the product, the following actions must be completed by the installing contractor. Failure to do so will affect product warranty.

#### Transportation + Storage

- Inspect all shipments and materials for missing or damaged components and hardware.
- Material must be stored in a clean, dry location.

#### Preparation

- Locate the packing slip(s) and/or shop drawings.
- Verify that all products listed on the packing slip are included in the package.
- Check the products for damage. If products are damaged, report a freight claim immediately and leave the products in their packaging. If you sign for products without reporting damage, you waive your right to a freight claim and will be responsible for replacement costs.
- Read the instructions thoroughly before beginning installation.

## Tool List

- Tape measure
- Chop saw to cut product to length
- Electric drill with 1/4" masonry bit
- Broom & dustpan or vacuum

## Included with the expansion joint system:

- 1/4" Sleeve anchors

## Preinstallation

1. Ensure that the floor is smooth. High spots should be ground down and low spots filled in. Make sure floor is clean by sweeping and/or vacuuming floor.

## INSTALLATION

1. Position the cover plate over the expansion joint, making sure that the holes in the plate are at least 1-1/4" from the edge of the expansion joint. Mark hole locations and mark 5/8" in from the end of the non-anchored side of the plate. This marks the end of the finished floor on that side of the expansion joint. On the anchored side, mark the location where the offset starts in the plate. This marks the end of the finished floor on that side of the expansion joint. Remove the plate and drill 1/4" holes for the supplied anchors. **See Figure 1.**

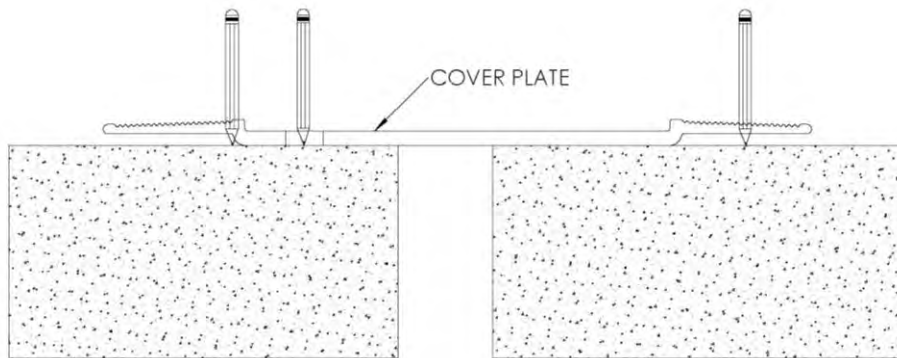


FIGURE 1

2. The floor should be finished (by others) on the anchored and non-anchored side of the expansion joint, up to the locations marked in Step 1. **See Figure 2.**

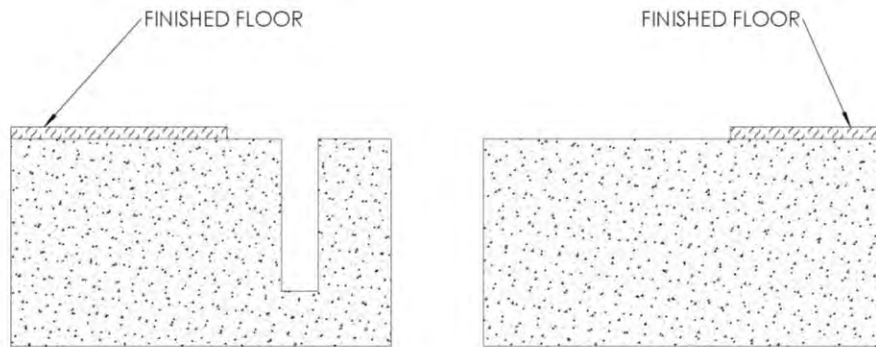


FIGURE 2

3. Position the cover plate into position and attach with the supplied 1/4" anchors through the previously drilled holes. The wing on the cover plate should overlap the finished floor on the non-anchored side by 5/8" and the flooring should butt against the offset on the anchored side. **See Figure 3.**

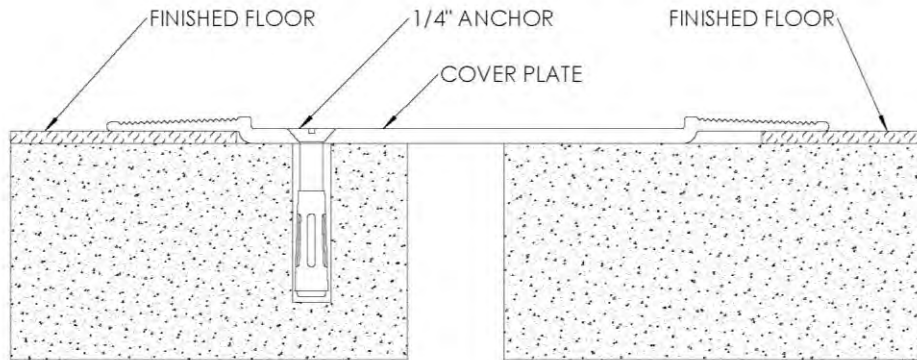


FIGURE 3

4. Finished flooring (by others) can now be installed in the middle-recessed area of the cover plate. **See Figure 4.**

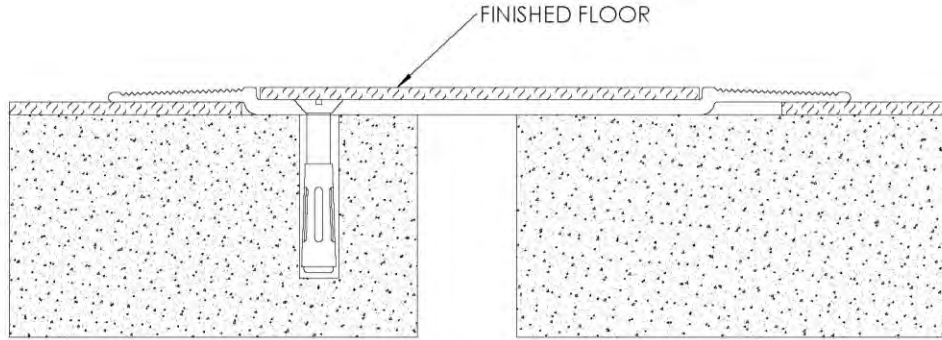


FIGURE 4



Erie Metal Specialties, Inc.  
13311 Main Road  
Akron, NY 14001  
Phone: 716-542-3991  
Fax: 716-542-3996  
E-mail: [sales@eriemetal.com](mailto:sales@eriemetal.com)  
Website: [www.eriemetal.com](http://www.eriemetal.com)

## **SPECIFICATION**

### **Section 07 95 13**

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

#### **Model(s) "EDA"**

#### **Horizontal Expansion Control Systems**

#### **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 preformed metal components and anchors.
- B. Related Work
  - Cast-in-place concrete
  - Miscellaneous and ornamental metals
  - Flashing and sheet metal

##### **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 specified.
- 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:





Erie Metal Specialties, Inc.  
13311 Main Road  
Akron, NY 14001  
Phone: 716-542-3991  
Fax: 716-542-3996  
E-mail: [sales@eriemetal.com](mailto:sales@eriemetal.com)  
Website: [www.eriemetal.com](http://www.eriemetal.com)

A working 6" sample of the proposed system with a letter describing how system is considered superior to the specified system.

A project proposal drawing that illustrates the recommended alternate system installed in the floor construction that is specific to the project. Typical catalog cut sections will not be considered.

Verifiable list of prior installations showing prior and successful experience with the proposed systems.

Any substitution products not adhering to all specification requirements within, will not be considered.

#### 1.05 Quality Assurance

- A. Manufacturer: Shall have a minimum ten (10) years experience specializing in the design and manufacture of Architectural Expansion Control Systems.

## **PART 2 - PRODUCT**

#### 2.01 General

- A. Provide floor joint cover consisting of metal profiles that utilize various metal finishes designed of width and thickness required to satisfy projects movement and loading requirements. Secure cover plate to concrete floor slab by utilizing manufacturer's recommended anchoring system.

Furnish EMS, Inc, Model "EDA" meeting ADA guidelines for interior joint locations as manufactured by EMS, Inc and as indicated on drawings. Select Model based on requirements.

#### 2.02 Components and Materials

- A. Aluminum Shapes - Material to conform to ASTM B209, alloy 6061-T6 (flush floor).
- B. Moisture Barrier (optional) - Shall be a fabric reinforced tear resistant clear vinyl sheet material. Minimum thickness shall be .026".
- C. Anchorage - Provide minimum ¼" diameter concrete expansion anchor at maximum 18" o.c. spacing to secure aluminum cover to floor slab.
- D. Accessories - Provide necessary and related parts, and fasteners required for complete installation.
- E. Fire Barrier Assembly - Designed for indicated or required dynamic structural movement without material degradation or fatigue. Tested in maximum joint width conditions with a field splice as a component of the expansion joint cover in accordance with ASTM E-119 at full rated period by a nationally recognized testing and inspecting organization.



Erie Metal Specialties, Inc.  
13311 Main Road  
Akron, NY 14001  
Phone: 716-542-3991  
Fax: 716-542-3996  
E-mail: [sales@eriemetal.com](mailto:sales@eriemetal.com)  
Website: [www.eriemetal.com](http://www.eriemetal.com)

- F. Concrete Slab Repair (recommended) - Utilize single component rapid strength repair mortar meeting the following data requirements.

Compressive strength, psi (ASTM C 109)

2 hours	1,500
24 hours	4,500
7 days	8,000
28 days	9,000

### 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. 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.

### 2.04 Finishes

- A. All Profiles
  - 1. Standard - Aluminum extrusions shall be supplied in mill finish.

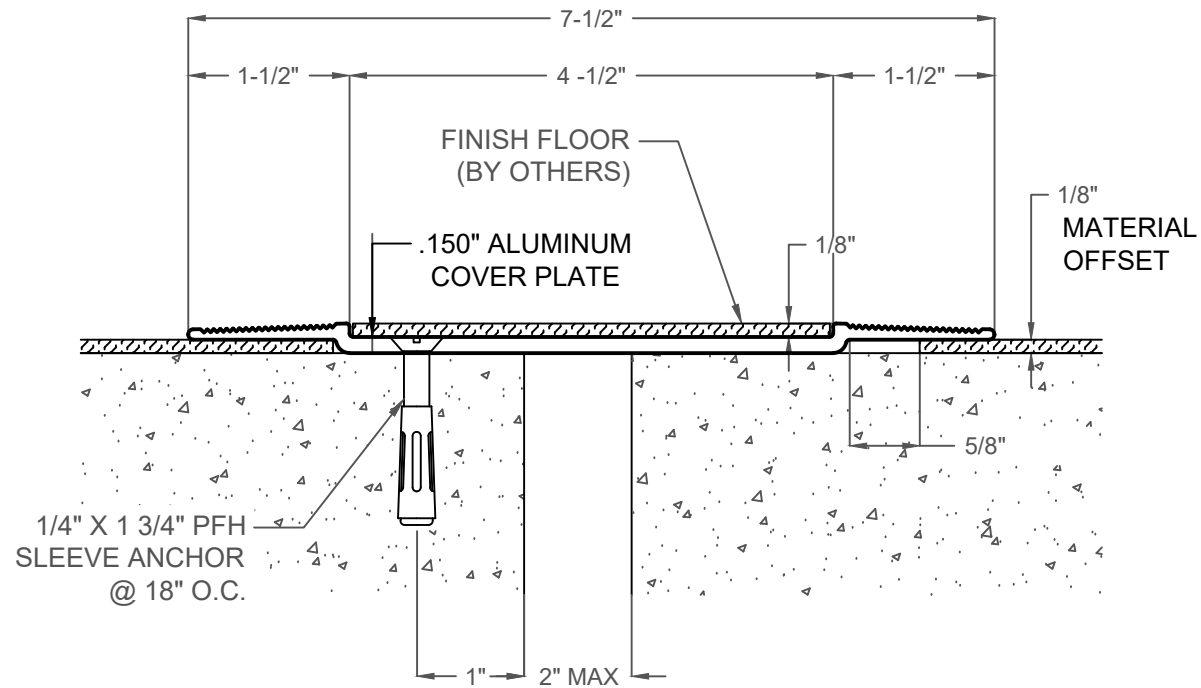
## **PART 3 - EXECUTION**

### 3.01 Installation

- A. Verify that project conditions are suitable for proper installation of system.
- B. Protect all expansion joint component parts from damage during installation and placement of finish floor 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.

### 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.



**FLOOR-TO-FLOOR DOUBLE WING INFILL SYSTEM**

EXPOSED FINISH: MILL  
 MOVEMENT: +/- 5/8"  
 STOCK LENGTHS: 10'-0"  
 INFILL: 1/8" [3mm]

PRODUCT	Application	MAX Joint Size @ Mean T°F	Exposed Sight Line	Infill Height	Total Movement IN (MM)
EDA150-125	Floor-Floor	2.00" (51)	3.00" (76)	0.125" (3)	1.25" (32)

NO.	Description	Date	By
<small>The information contained herein is the proprietary property of ERIE METAL SPECIALTIES, INC. No portion of it may be reproduced by any means or used in any form except for the purpose for which it was intended. All rights of design and invention are hereby reserved.</small>			

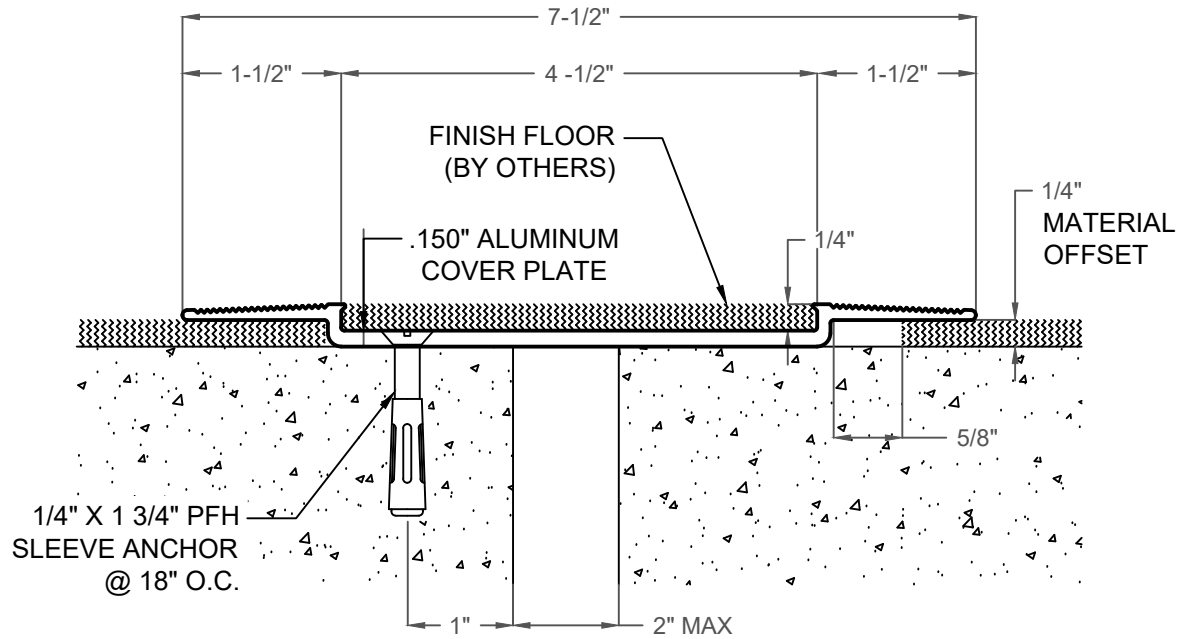


13311 Main Road \* Akron \* New York \* 14001  
 Phone: (716) 542-3991 \* Fax: (716) 542-3996 \* E-mail: sales@eriemetal.com

PROJECT:

TITLE: EDA150-125 Double Wing Infill System

Detailed by:	Date:
BAF	10/21/17
Checked by:	Date:
SLP	10/21/17
Scale:	EMS Job #:
NTS	
Sheet No.:	Drawing No.:
1 of 1	EDA150125



**FLOOR-TO-FLOOR DOUBLE WING INFILL SYSTEM**

EXPOSED FINISH: MILL  
 MOVEMENT: +/- 5/8"  
 STOCK LENGTHS: 10'-0"  
 INFILL: 1/4" [6mm]

PRODUCT	Application	MAX Joint Size @ Mean T°F	Exposed Sight Line	Infill Height	Total Movement IN (MM)
EDA150-250	Floor-Floor	2.00" (51)	3.00" (76)	0.25" (6)	1.25" (32)

NO.	Description	Date	By
<small>The information contained herein is the proprietary property of ERIE METAL SPECIALTIES, INC. No portion of it may be reproduced by any means or used in any form except for the purpose for which it was intended. All rights of design and invention are hereby reserved.</small>			



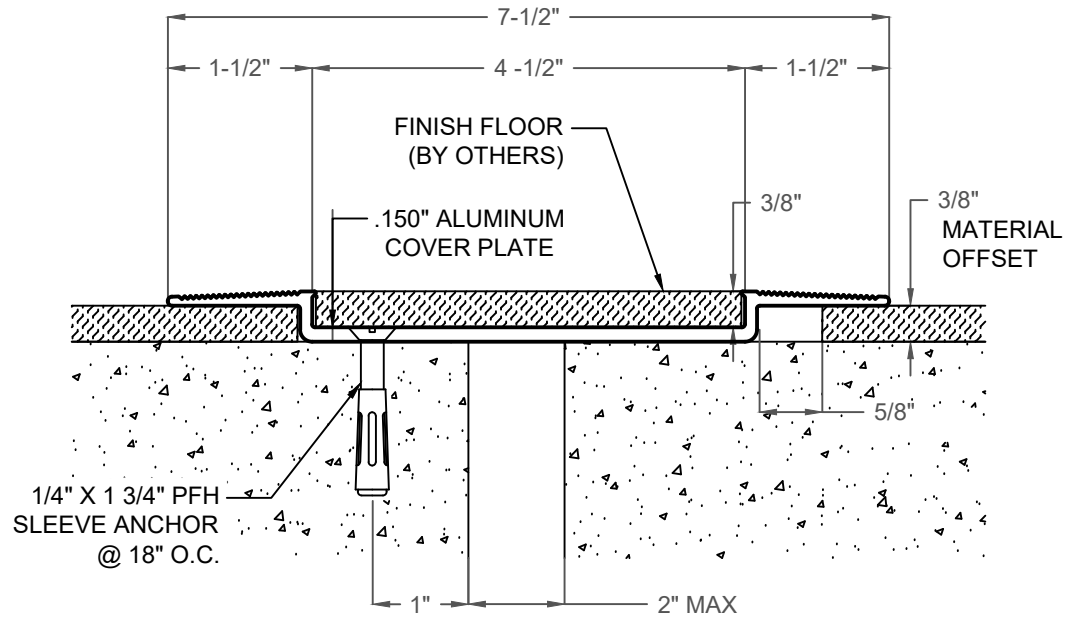
13311 Main Road \* Akron \* New York \* 14001  
 Phone: (716) 542-3991 \* Fax: (716) 542-3996 \* E-mail: sales@eriemetal.com

PROJECT:

---

TITLE: EDA150-250 Double Wing Infill System

Detailed by:	Date:
BAF	10/21/17
Checked by:	Date:
SLP	10/21/17
Scale:	EMS Job #:
NTS	
Sheet No.:	Drawing No.:
1 of 1	EDA150250



**FLOOR-TO-FLOOR DOUBLE WING INFILL SYSTEM**

EXPOSED FINISH: MILL  
 MOVEMENT: +/- 5/8"  
 STOCK LENGTHS: 10'-0"  
 INFILL: 3/8" [10mm]

PRODUCT	Application	MAX Joint Size @ Mean T°F	Exposed Sight Line	Infill Height	Total Movement IN (MM)
EDA150-375	Floor-Floor	2.00" (51)	3.00" (76)	0.375" (10)	1.25" (32)

NO.	Description	Date	By

The information contained herein is the proprietary property of ERIE METAL SPECIALTIES, INC. No portion of it may be reproduced by any means or used in any form except for the purpose for which it was intended. All rights of design and invention are hereby reserved.



13311 Main Road \* Akron \* New York \* 14001  
 Phone: (716) 542-3991 \* Fax: (716) 542-3996 \* E-mail: sales@eriemetal.com

PROJECT: \_\_\_\_\_

TITLE: EDA150-375 Double Wing Infill System

Detailed by: BAF	Date: 10/21/17
Checked by: SLP	Date: 10/21/17
Scale: NTS	EMS Job #:
Sheet No.: 1 of 1	Drawing No.: EDA150375