Knowledge for Creating and Sustaining the Built Environment

SUBSTITUTION REQUEST

(After the Bidding/Negotiating Phase)

Project: _____ Substitution Request Number: (For Architect to fill in)

_____ From: _____

To: _____ Date: _____

_____ A/E Project Number: _____

Re: _____ Contract For: _____

Specification Title: _____ Description: _____

Section: _____ Page: _____ Article/Paragraph: _____

Proposed Substitution: ENBF-Series Seismic Glide No Bump Flooring System

Manufacturer: Erie Metal Specialties, Inc. Phone: 716-542-3991

Address: 13311 Main Road, Akron, NY 14001

Trade Name: ENBF-Series Model No.: ENBF

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:
None

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

Reason for not providing specified item: _____

Similar Installation:

Project: See attached 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 ☐ _____

Form Version: June 2004
CSI Form 13.1A

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: _____

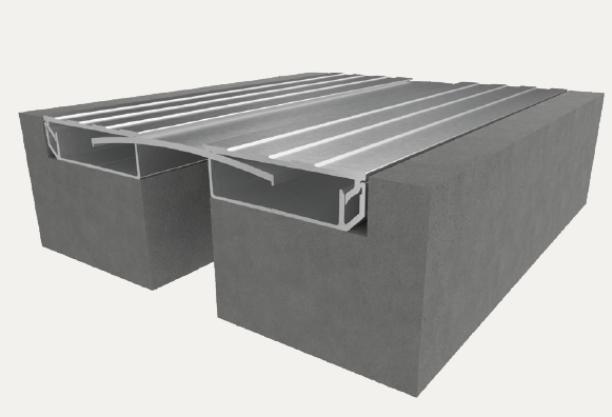
Additional Comments: ☐ Contractor ☐ Subcontractor ☐ Supplier ☐ Manufacturer ☐ A/E ☐ Other:

Form Version: June 2004
CSI Form 13.1A

ENBF-Series No Bump System

Interior Joints (Floor)

The Seismic Glide No Bump system is designed to allow for multi-directional thermal movement, in a durable, easily assembled cover system. The convex design allows for a smooth, no bump, transition, when light cart wheeled traffic is rolled over the system.

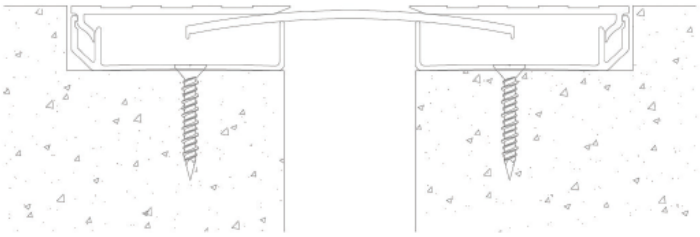


FEATURES

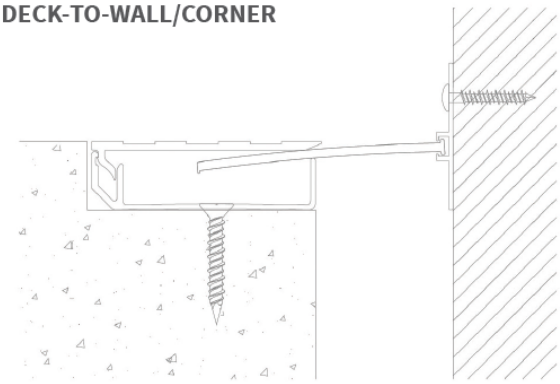
ANTI-SLIP SURFACE The no bump, ribbed anti-slip surface provides safe functionality for foot and cart traffic.

COORDINATING CORNERS Available with corner option for a complete floor solution.

DECK-TO-FLOOR



DECK-TO-WALL/CORNER



DETAILS

MATERIAL 6063-T5 Aluminum

FINISH Mill

MOVEMENT

- Thermal: Horizontal and Vertical
- Seismic: Lateral Shear

MOUNTING Block Out

JOINT SIZE 1 inch to 4 inches

LENGTH 10 Linear Feet

LOAD Pedestrian and Light Cart

INSTALLATION Floor

OPTIONS Moisture Barrier, Fire Barrier

MODELS

MODEL	APPLICATION	JOINT SIZE AT MEAN T°F	EXPOSED SIGHT LINE	TOTAL MOVEMENT
ENBF-100	Floor to Floor	1" (25mm)	5.5" (140mm)	1" (25mm)
ENBF-200	Floor to Floor	2" (51mm)	8.5" (216mm)	2" (51mm)
ENBF-300	Floor to Floor	3" (76mm)	9.5" (241mm)	3" (76mm)
ENBF-400	Floor to Floor	4" (102mm)	10.5" (267mm)	4" (102mm)
ENBF-100W	Floor to Wall	1" (25mm)	3.25" (83mm)	.5" (13mm)
ENBF-200W	Floor to Wall	2" (51mm)	5.31" (134mm)	1" (25mm)
ENBF-300W	Floor to Wall	3" (76mm)	6.25" (159mm)	1.5" (38mm)
ENBF-400W	Floor to Wall	4" (102mm)	7.25" (184mm)	2" (51mm)

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

Phone: 716-542-3991
Website: www.eriemetal.com
E-Mail: sales@eriemetal.com

Interior Joints (Floor)

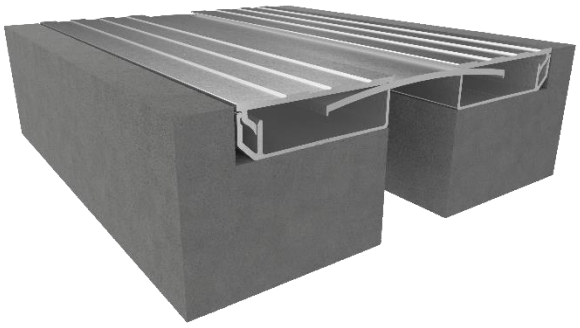
ENBF-Series Installation Instructions

SEISMIC ALUMINUM GLIDE FLOORING SYSTEM, NO-BUMP BLOCKOUT APPLICATION

Model(s): ENBF-ENBFw

ENBF Floor to Floor System – 1" Through 4" Sizes

GENERAL DESCRIPTION



This Seismic Glide No-Bump Blockout system is designed to allow for vertical slab offsets & multi-directional movement, in a durable, easily assembled cover system. The convex design allows for a smooth, no-bump transition when light cart traffic is rolled over the system. ADA-compliant.

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 their replacement cost.
- Read the instructions thoroughly before beginning installation.

Tool List

Erie Metal Specialties, Inc. | 13311 Main Rd., Akron, NY 14001 | (716) 542-3991 | sales@eriemetal.com

- Tape measure
- Chop saw to cut product to length
- Electric drill with Ø3/16" masonry bit & Ø1/4" metal bit
- Philips drivers for anchors
- Broom & dustpan or vacuum
- Level
- Silicone sealant

Included with the expansion joint system:

- Ø1/4" x 1-3/4" Lg. threaded anchors

Preinstallation

1. Pour floors with blockouts as shown on shop drawings.
2. Ensure the area where the expansion joint system is being installed (including the blockout area) is smooth and level. High spots should be ground down and low spots filled in. Make sure the area is clean by sweeping and/or vacuuming the substrate.

INSTALLATION (Floor-to-Floor ONLY)

1. After predrilling Ø1/4" clearance holes in the aluminum base frames per the shop drawings, position them in the blockouts as shown below. Align the aluminum base frame profile with the edge of the joint opening. Then using the frame as a template, mark, and drill Ø3/16" holes for the Ø1/4" Threaded anchors as shown on the shop drawings. **See Figure #1**

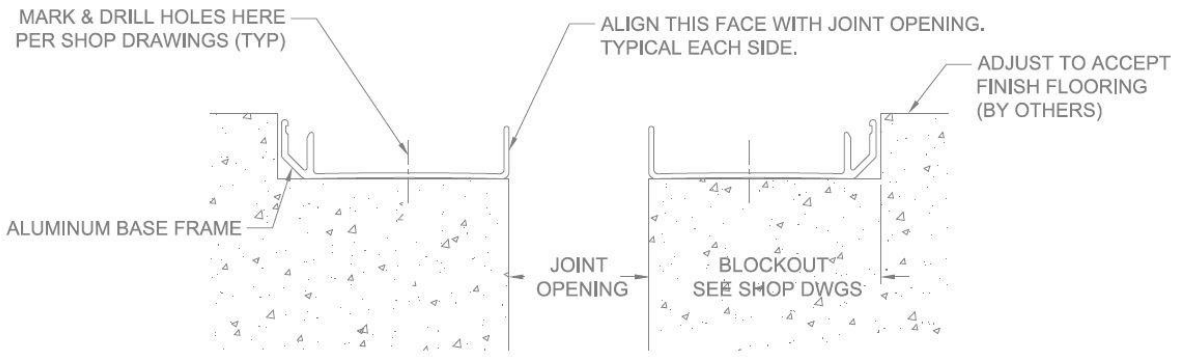


FIGURE #1

2. Set the aluminum base frames into position and attached with supplied threaded anchors through the previously drilled holes. Before installing the aluminum base frames to the blockout opening with supplied anchors, make sure the frame profile is still aligned with the joint opening on each side. **See Figure #2**.

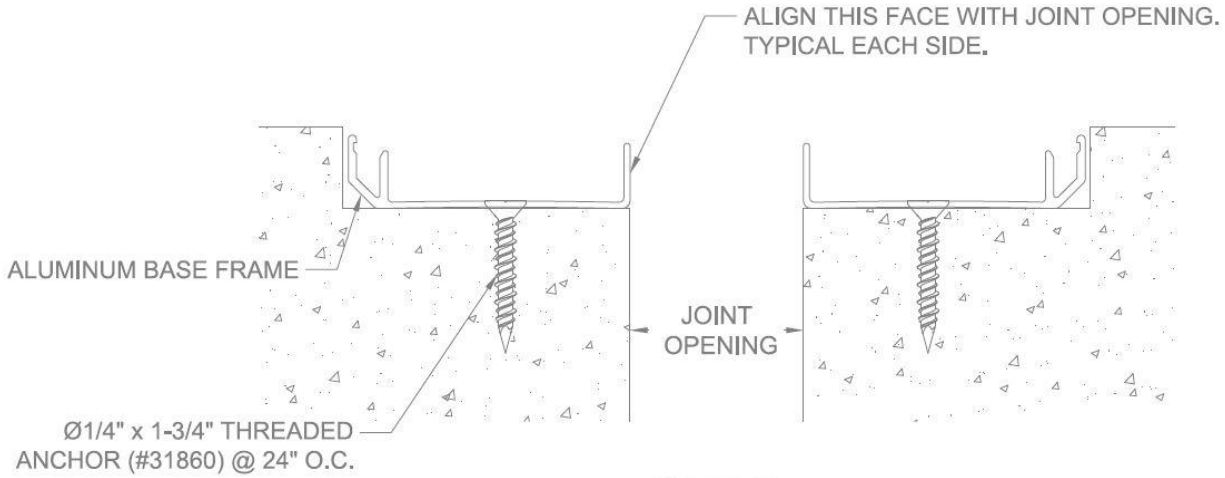


FIGURE #2

3. Place and center the aluminum glide across the center of the system as shown on the shop drawings. It is held in place on each side by the aluminum covers – see shop drawings. Once it's determined that the aluminum glide is centered, gently press the aluminum covers into place (one each side). Care must be taken so that: 1) the glide is firmly held in place and 2) the aluminum covers are firmly in place and level. Place a level across the entire system to confirm it's placed correctly. **See Figure #3.**

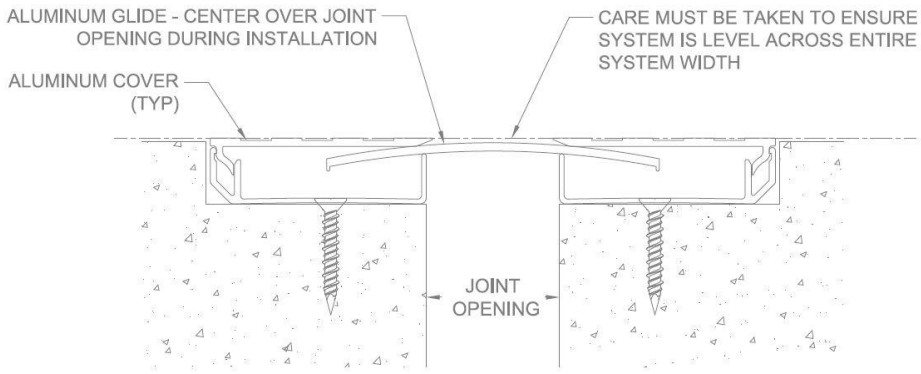


FIGURE #3

4. Final step: if required, apply sealant or grout (by installer) as shown on shop drawings. **See Figure #4**.

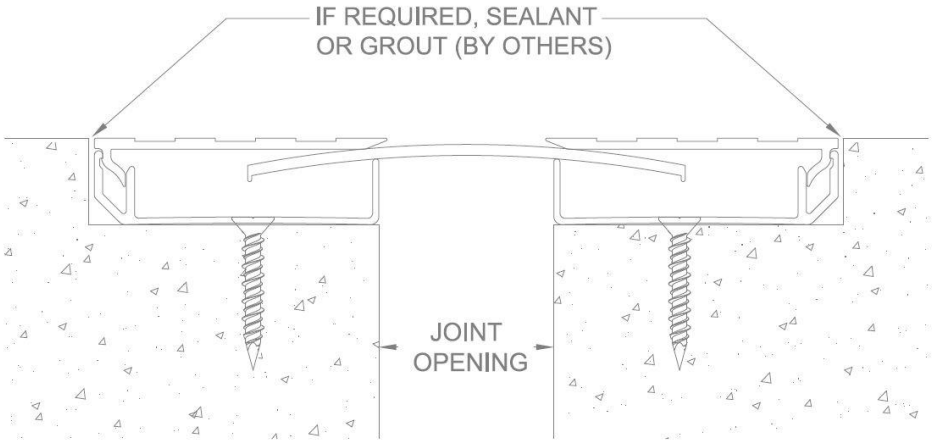
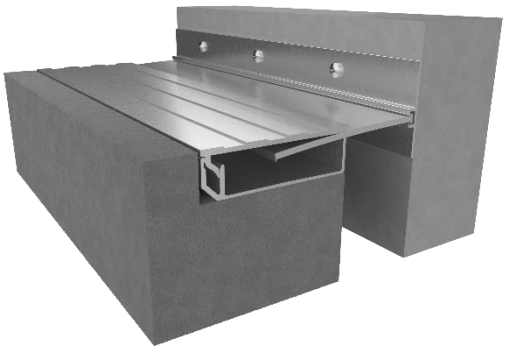


FIGURE #4

ENBF Floor to Wall System – 1" Through 4" Sizes

GENERAL DESCRIPTION



EMS' ENBFw Interior Cover System is designed to match the ENBF cover plate in floor to wall applications.

Preinstallation

1. Pour floors with blockouts as shown on shop drawings.
2. Ensure the area where the expansion joint system is being installed (including the blockout area) is smooth and level. High spots should be ground down and low spots filled in. Make sure the area is clean by sweeping and/or vacuuming the substrate.

INSTALLATION (Floor-to-Wall ONLY)

1. After predrilling Ø1/4" clearance holes in the aluminum base frames per the shop drawings, position them in the blockout.

2. As shown below, align the aluminum base frame profile with the edge of the joint opening. Then using the frame as a template, mark, and drill Ø3/16" holes for the Ø1/4" threaded anchors as shown on the shop drawings. **See Figure #5**

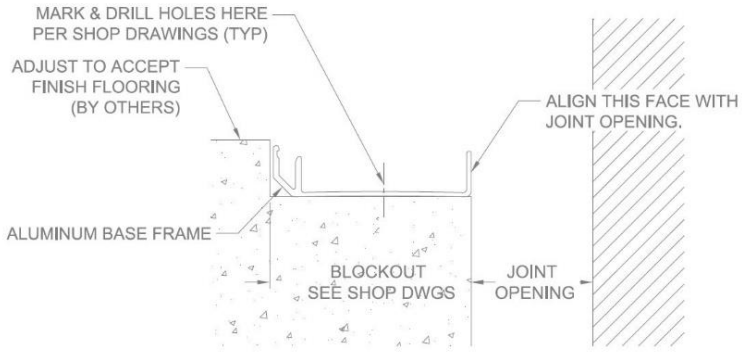


FIGURE #5

3. Next remove the aluminum base frame and align the aluminum wall frame with the base of the blockout as shown below. Once aligned and level, tape or other temporary measures can be taken to temporarily hold the wall frame in place. Use care to predrill and set the aluminum wall frame in place using Ø3/16" drywall or masonry anchors (by installer) as indicated on shop drawings. **See Figure #6**.

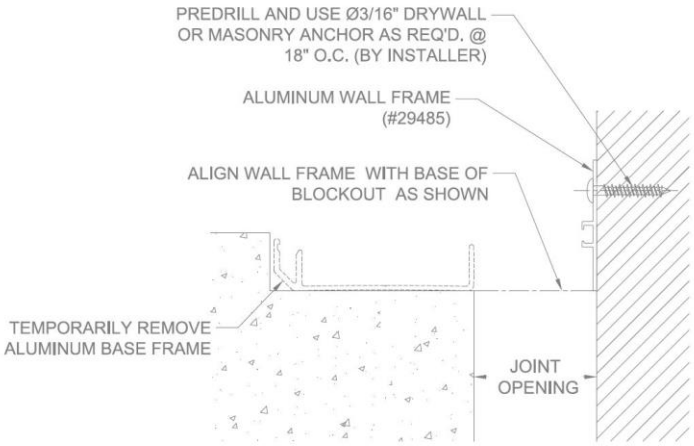


FIGURE #6

Using care realign the holes and profile face joint opening, set the aluminum base frames back into position, and attach with supplied threaded anchors through the previously drilled holes. Before installing the aluminum base frames to the blockout opening with supplied anchors, make sure the frame profile is still aligned with the joint opening on each side. **See Figure #7**.

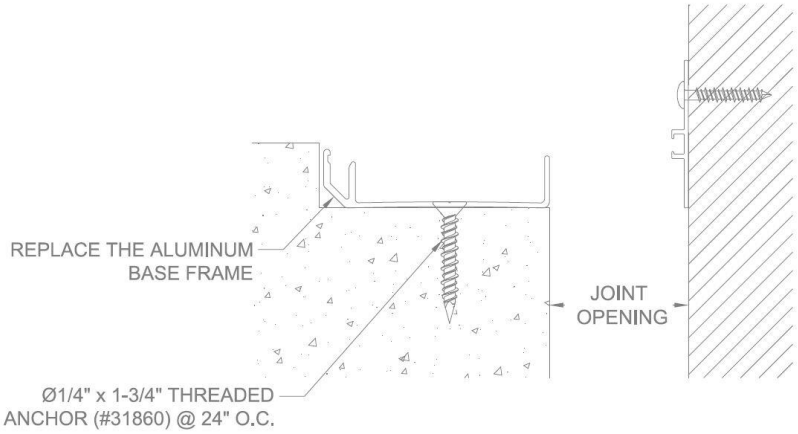


FIGURE #7

4. Place and center the aluminum glide across the opening on the shop drawings. It is held in place and installed as shown below. Once it's determined that the aluminum glide is installed, gently press the aluminum cover into place. Care must be taken so that: 1) the glide is firmly held in place and 2) the aluminum cover is firmly in place and level. Place a level across the entire system to confirm it's placed correctly. **See Figure #8.**

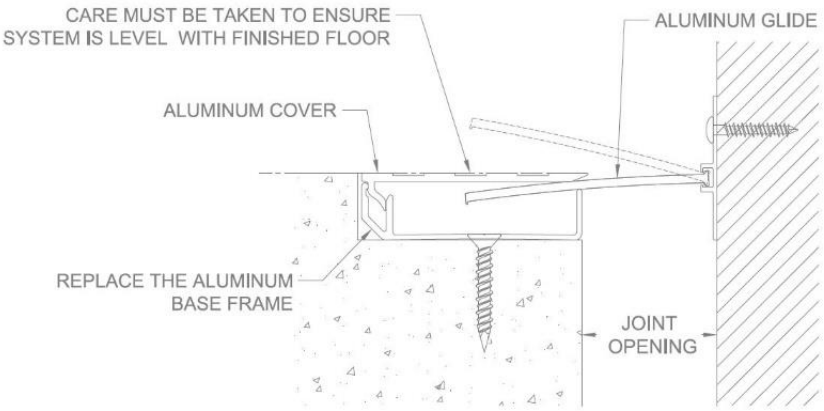


FIGURE #8

5. Final step: if required, apply sealant or grout (by installer) as shown on shop drawings. **See Figure #9**.

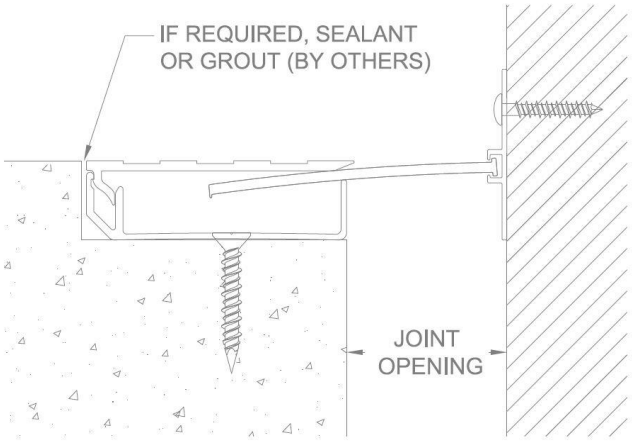
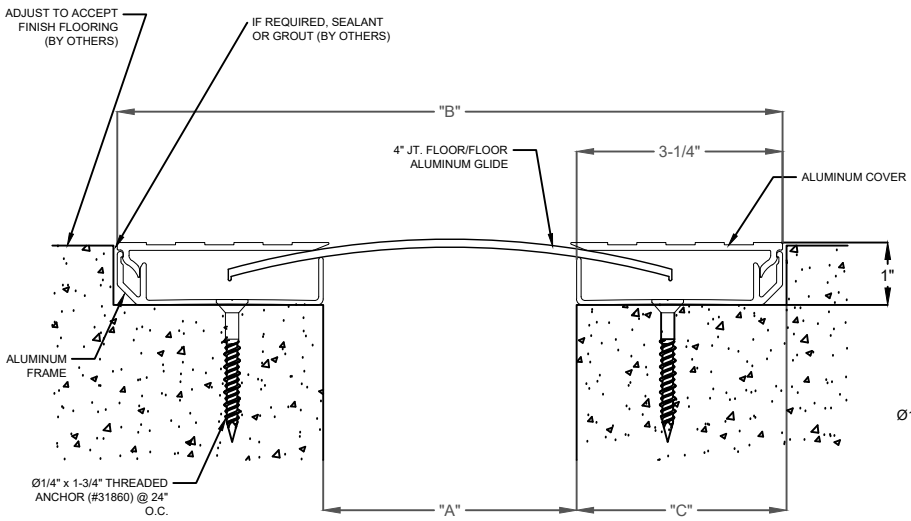
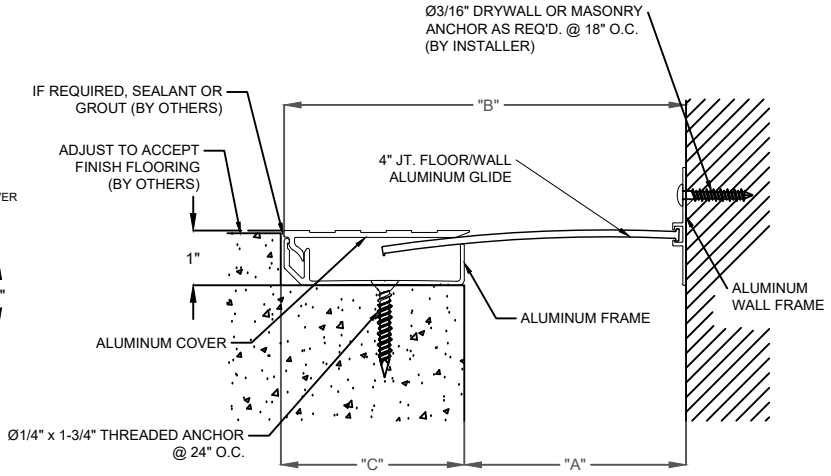


FIGURE #9





PRODUCT	Application	Joint Size "A" @ Mean T°F	Exposed Site line "B" IN(MM)	Blockout Width "C" IN(MM)	Total Movement IN (MM)
ENBF-100	Floor-Floor	1.00" (25)	5.50" (140)	3.313" (84)	1.00" (25)
ENBF-200	Floor-Floor	2.00" (51)	8.50" (216)	3.313" (84)	2.00" (51)
ENBF-300	Floor-Floor	3.00" (76)	9.50" (241)	3.313" (84)	3.00" (76)
ENBF-400	Floor-Floor	4.00" (102)	10.50" (267)	3.313" (84)	4.00" (102)
ENBF-100W	Floor-Wall	1.00" (25)	3.25" (83)	3.313" (84)	0.50" (13)
ENBF-200W	Floor-Wall	2.00" (51)	5.31" (134)	3.313" (84)	1.00" (25)
ENBF-300W	Floor-Wall	3.00" (76)	6.25" (159)	3.313" (84)	1.50" (38)
ENBF-400W	Floor-Wall	4.00" (102)	7.25" (184)	3.313" (84)	2.00" (51)

ALUMINUM GLIDE FLOORING SYSTEM NO-BUMP BLOCKOUT APPLICATION

EXPOSED FINISH: MILL

MOVEMENT: +/- 25% NOMINAL JOINT WIDTH (floor-wall)
+/- 50% NOMINAL JOINT WIDTH (floor-floor)

STOCK LENGTHS: 10'-0"

NO.	Description	Date	By

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

PROJECT:

TITLE: ENBF-Series

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	ENBF-1