



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:

ELCS Series - Surface Application

Interior Joints (Wall/Ceiling)

FEATURES

MAXIMUM MOVEMENT "V" seal design allows for maximum thermal and seismic movement

CONTINUOUS SIGHT LINE This system can be used on wall, ceilings and corners to provide seamless and continuous aesthetics.

DETAILS

MATERIAL 6063-T5 Aluminum, Meets ASTM B209

FINISH Mill

MOVEMENT

- Thermal: Horizontal and Vertical
- Seismic: Lateral Shear

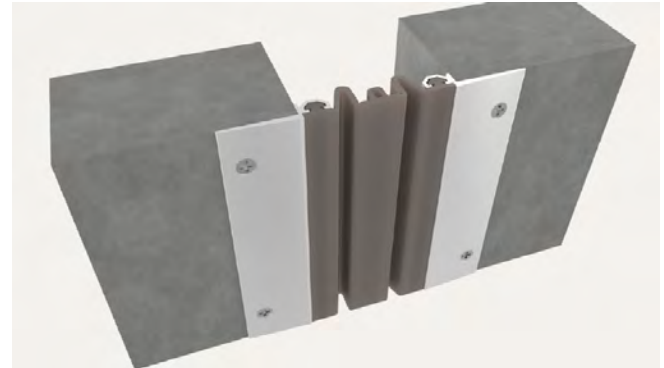
MOUNTING Surface

JOINT SIZE 2 inches to 6 inches

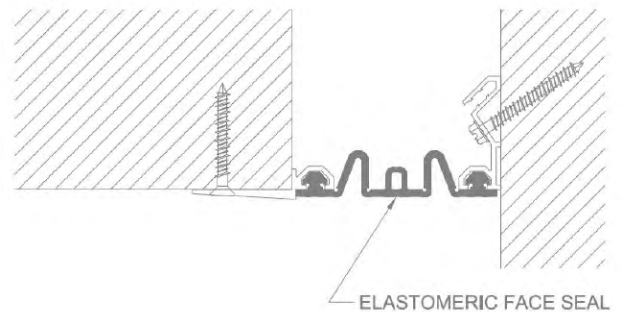
LENGTH Continuous

APPLICATION Interior

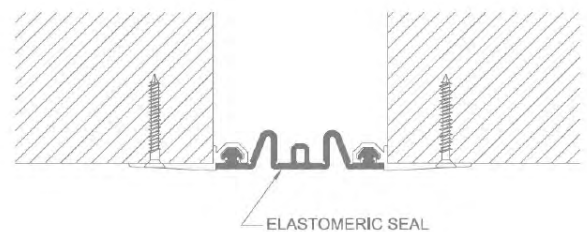
INSTALLATION Wall or Ceiling



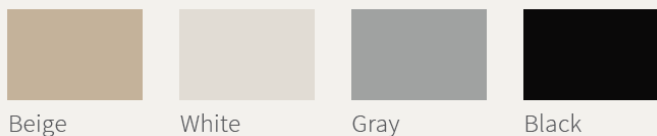
WALL/CEILING-TO-CORNER



WALL/CEILING-TO-WALL/CEILING



SEAL COLORS



Beige

White

Gray

Black

MODELS

MODEL	APPLICATION	JOINT SIZE AT MEAN T°F	EXPOSED SIGHT LINE	TOTAL MOVEMENT
ELCS-200	Wall/Ceiling to Wall/Ceiling	2" (51mm)	4.87" (124mm)	2" (51mm)
ELCS-300	Wall/Ceiling to Wall/Ceiling	3" (76mm)	5.87" (149mm)	3" (76mm)
ELCS-400	Wall/Ceiling to Wall/Ceiling	4" (102mm)	6.87" (175mm)	4" (102mm)
ELCS-500	Wall/Ceiling to Wall/Ceiling	5" (127mm)	7.87" (200mm)	5" (127mm)
ELCS-600	Wall/Ceiling to Wall/Ceiling	6" (152mm)	8.87" (226mm)	6" (152mm)
ELCS-200W	Wall/Ceiling to Corner	2" (51mm)	3.5" (87mm)	2" (51mm)
ELCS-300W	Wall/Ceiling to Corner	3" (76mm)	4.5" (113mm)	3" (76mm)
ELCS-400W	Wall/Ceiling to Corner	4" (102mm)	5.5" (138mm)	4" (102mm)
ELCS-500W	Wall/Ceiling to Corner	5" (127mm)	6.5" (164mm)	5" (127mm)
ELCS-600W	Wall/Ceiling to Corner	6" (152mm)	7.5" (189mm)	6" (152mm)



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

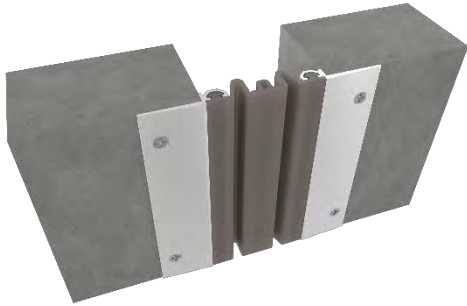
Phone: 716-542-3991
Website: www.eriemetal.com
E-Mail: sales@eriemetal.com

ELCS-Series Installation Instructions

SEISMIC ELASTOMERIC WALL & CEILING SYSTEM – SURFACE APPLICATION

MODEL(S): ELCS/ELCSw

ELCS Wall/Ceiling to Wall/Ceiling Cover System



GENERAL DESCRIPTION

The Seismic Elastomeric System is a surface mounted system that is designed for easy install over the expansion joint in wall or ceiling applications.

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.

Introduction + Safety

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 the 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

- Tape measure
- Chop saw to cut product to length
- Electric drill with 5/32” masonry bit & 3/16” metal bit
- Utility knife

Preinstallation

1. Ensure that the area where the expansion joint system is being installed is smooth and level.

INSTALLATION

1. Position base member frames in expansion joint per shop drawings. Attach with screws (by installer) into the structural support. If attaching into concrete, use the frames as a template, mark and drill $\varnothing 5/32$ ” holes in the concrete. Install base member frames with $\varnothing 3/16$ ” Tapcon fasteners (by installer). **See Figure 1**

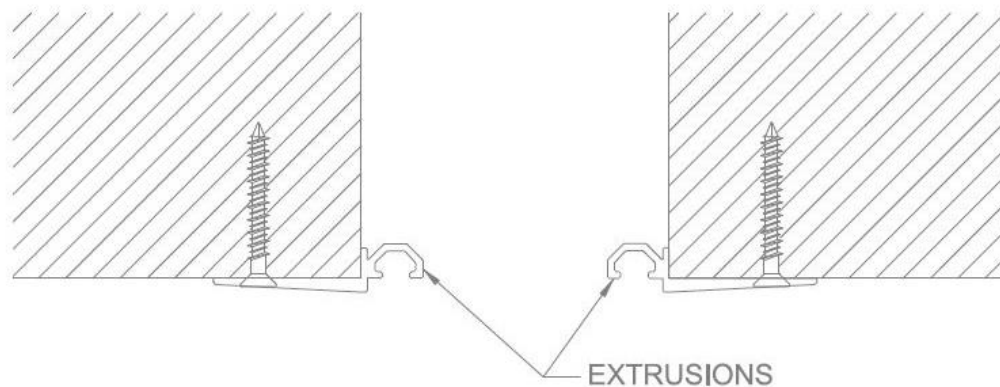


FIGURE 1

2. Position the elastomeric seal into position and push the seal bulbs into the base frame channels as shown. Make sure the bulbs are seated all the way into the channel. Do not stretch the seal lengthwise during installation. **See Figure 2**

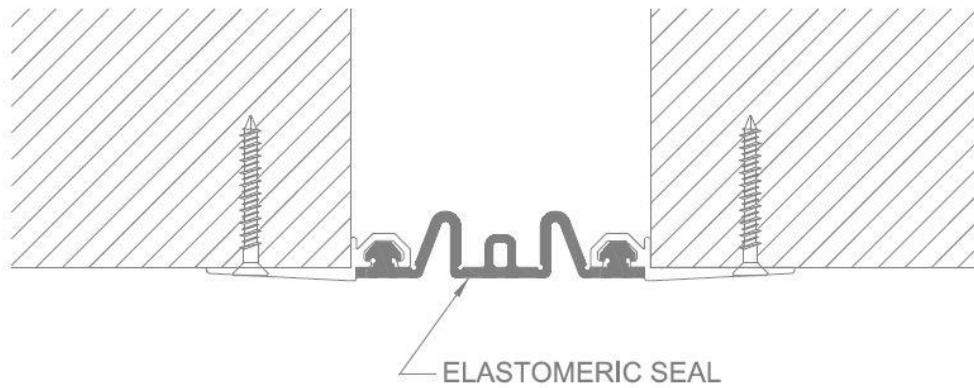
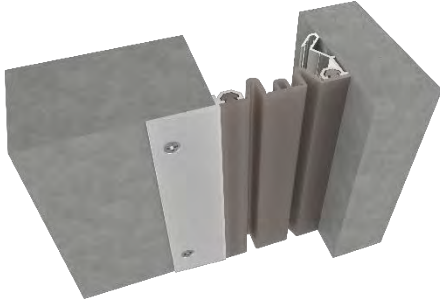


FIGURE 2

ELCSw Wall/Ceiling to Corner System

Interior Joints (Wall)



GENERAL DESCRIPTION

The ELCSw Interior Elastomeric System is designed to match the ELCS system in wall to corner applications.

Preinstallation

1. Ensure that the area where the expansion joint system is being installed is smooth and level.

INSTALLATION

1. Position base member frame in expansion joint per shop drawings. Attach with screws (by installer) into the structural support. If attaching into concrete, use the frame as a template, mark and drill $\text{Ø}5/32$ " holes in the concrete. Install base member frame with $\text{Ø}3/16$ " Tapcon fasteners (by installer). **See Figure 1**

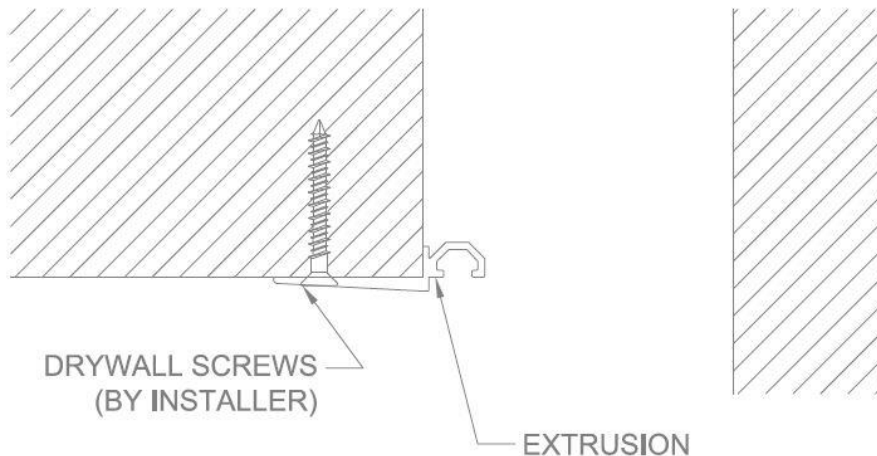
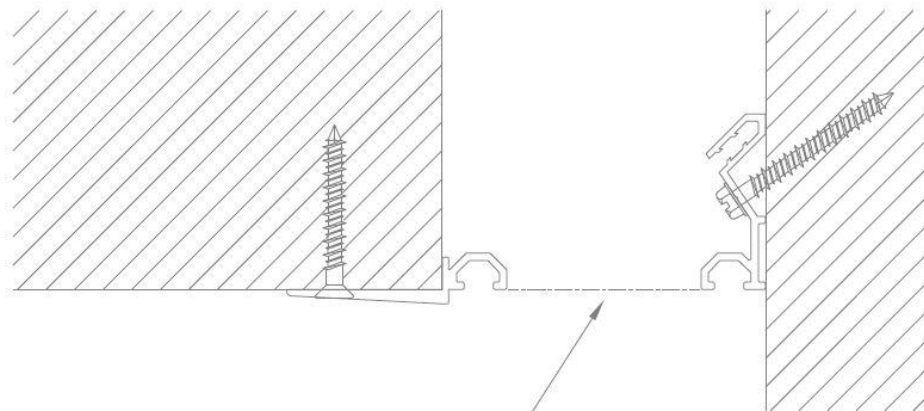


FIGURE 1



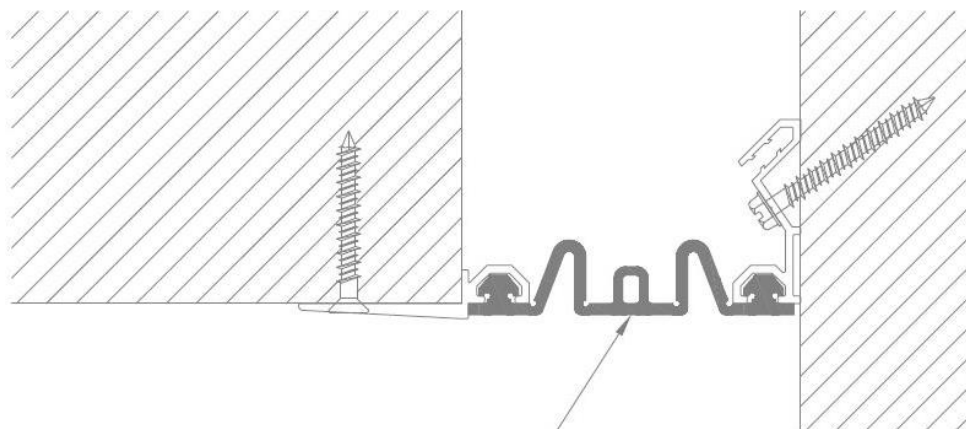
2. Position the wall frame into position, making sure the top channel is level with the top channel of the base frame. Attach the wall frame to the wall with appropriate fasteners (by installer) for the wall type at 18" o.c. **See Figure 2**



MAKE BOTH EXTRUSIONS
LEVEL

FIGURE 2

3. Position the elastomeric seal into position and push the seal bulbs into the base frame and wall frame top channels as shown. Make sure the bulbs are seated all the way into the channel. Do not stretch the seal lengthwise during installation. **See Figure 3**



ELASTOMERIC FACE SEAL

FIGURE 3

FIELD SPLICE FOR ELASTOMERIC V-SEAL

1. After determining the angle needed, use a miter box and a non-serrated saw (teeth removed) and cut ends of seal clean, straight and square. **See Figure 1**

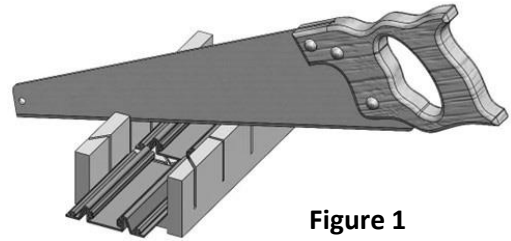


Figure 1

2. After donning the proper PPE, use a solvent (by others) that is safe for elastomeric materials and clean any residual material from the cut ends of the seals. Allow to dry prior to Step #3. **See Figure 2**

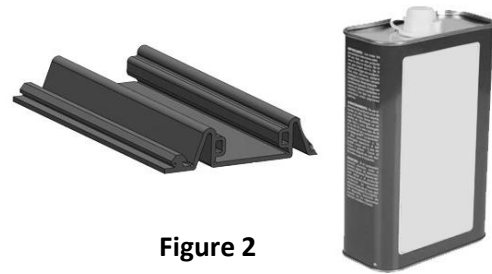


Figure 2

Straight Butt Splice

Insert splice clips (if required) (part # 27511) halfway into the alignment holes on one of the seals. Apply glue, cyanoacrylate or similar adhesive (by others) to both seal ends and follow instructions by the adhesive manufacturer. Almost immediately after adhesive is applied, insert the protruding ends of the splice clips into the ends of the two seals together, applying uniform pressure for at least two minutes while maintaining contact between both sides. The splice clip is not necessary, but is recommended, especially on larger sized seals. **See Figure 3**

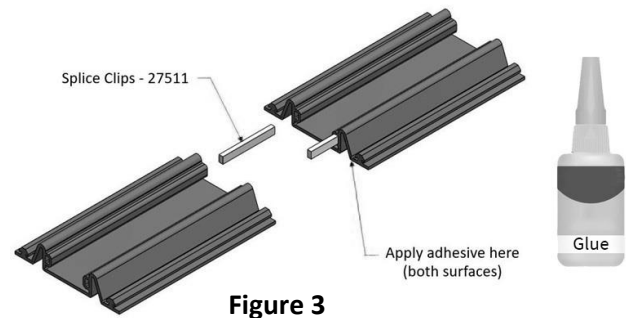


Figure 3

Vertical Outside Splice

Insert splice clips (if required) (part # 28090) halfway into the alignment holes on one of the seals. Apply glue, cyanoacrylate or similar adhesive (by others) to both seal ends and follow instructions by the adhesive manufacturer. Almost immediately after adhesive is applied, insert the protruding ends of the splice clips into the ends of the two seals together, applying uniform pressure for at least two minutes while maintaining contact between both sides. The splice clip is not necessary, but is recommended, especially on larger sized seals. **See Figure 4**

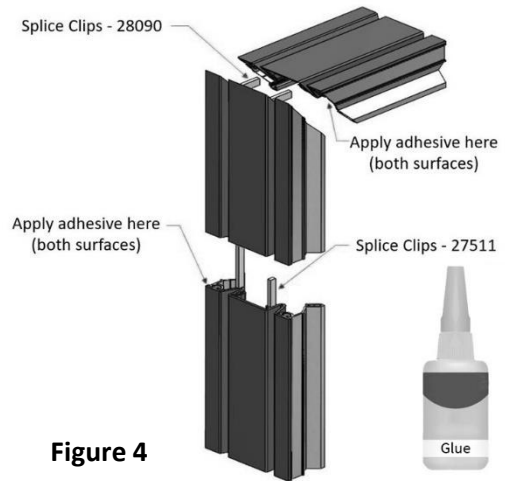


Figure 4

Vertical Inside Splice

Insert splice clips (if required) (part # 28090) halfway into the alignment holes on one of the seals. Apply glue, cyanoacrylate or similar adhesive (by others) to both seal ends and follow instructions by the adhesive manufacturer. Almost immediately after adhesive is applied, insert the protruding ends of the splice clips into the ends of the two seals together, applying uniform pressure for at least two minutes while maintaining contact between both sides. The splice clip is not necessary, but is recommended, especially on larger sized seals. **See Figure 5**

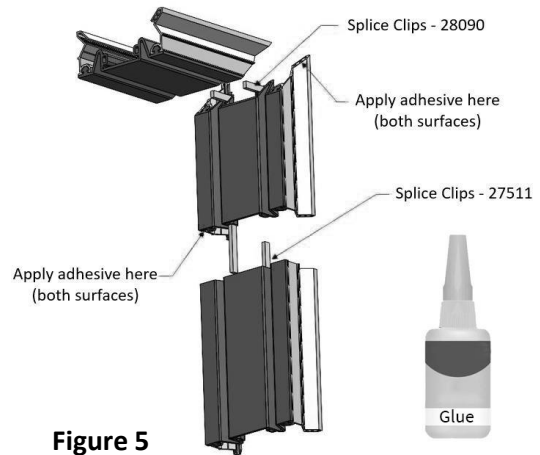


Figure 5

Horizontal Splice

Insert splice clips (if required) (part # 28091) half-way into the alignment holes on one of the seals. Apply glue, cyanoacrylate or similar adhesive (by others) to both seal ends and follow instructions by the adhesive manufacturer. Almost immediately after adhesive is applied, insert the protruding ends of the splice clips into the ends of the two seals together, applying uniform pressure for at least two minutes while maintaining contact between both sides.

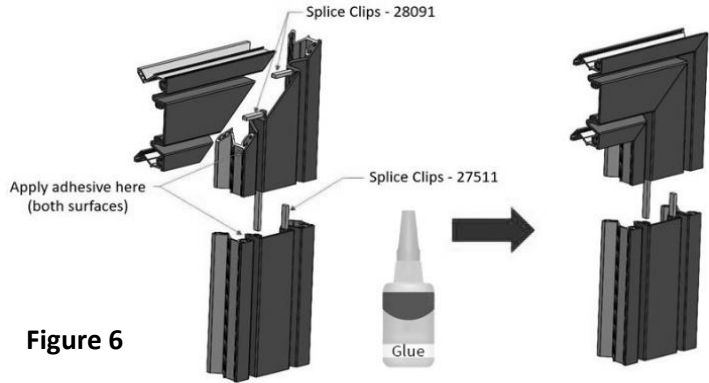


Figure 6

The splice clip is not necessary, but is recommended, especially on larger sized seals. **See Figure 6**

3. Recheck the splices after the adhesive has cured and reapply adhesive as necessary. Allow 15 minutes prior to installation of seal. Allow 24 hours for adhesive to fully cure and achieve proper working strength. Ensure that the splice of the seal is not within 2” of a joint in the aluminum extrusion, if possible.

See Figure 7



Figure 7



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

REV 05/23
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
(716) 542-3991
www.eriemetal.com



B. Seismic Elastomeric Corridor Wall & Ceiling System surface application.

1. Basis-of-Design Product: Erie Metal Specialties, Inc.: Model ELCS

2. Design Criteria:

- a. Exposed Sightline **[As indicated on Drawings]** <Insert width>.
- b. System Width: **[As indicated on Drawings]** <Insert width>.
- c. Nominal Joint 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 fasteners.

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. Seismic Elastomeric Corridor Wall & Ceiling System surface application.

1. Basis-of-Design Product: Erie Metal Specialties, Inc: Model ELCSw

2. Design Criteria:

- a. Exposed Sightline **[As indicated on Drawings]** <Insert width>.
- b. System Width: **[As indicated on Drawings]** <Insert width>.
- c. Nominal Joint 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 fasteners.

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.

2.3 FABRICATION

A. Shop assembly 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.

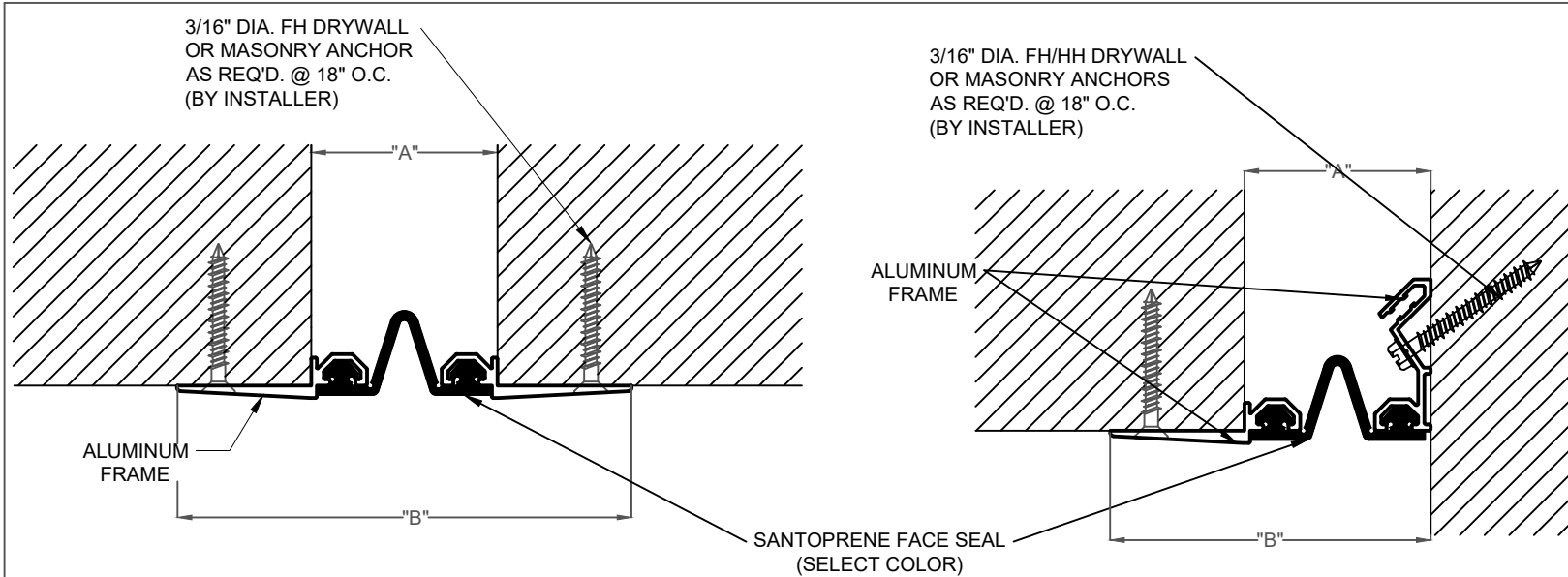
3.2 PREPARATION

- 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



SEAL COLOR SELECTOR
 BLACK _____ WHITE _____
 BEIGE _____ GRAY _____

INTERIOR WALL & CLG. FLAT/CORNER SURFACE MOUNT SYS.
 EXPOSED ALUMINUM FINISH: CLEAR ANODIZED
 MOVEMENT: +/- 50% NOMINAL JOINT WIDTH
 STOCK LENGTHS: ALUMINUM FRAMES: 10'-0"
 SEAL: CONTINUOUS

PRODUCT	Application	Joint Size "A" @ Mean T°F	Exposed Site line "B" IN(MM)	Total Movement IN (MM)
ELCS-200	Wall/Ceiling	2.00" (51)	4.87" (124)	2.00" (51)
ELCS-200W	Wall/Ceiling Corner	2.00" (51)	3.50" (87)	2.00" (51)

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>			

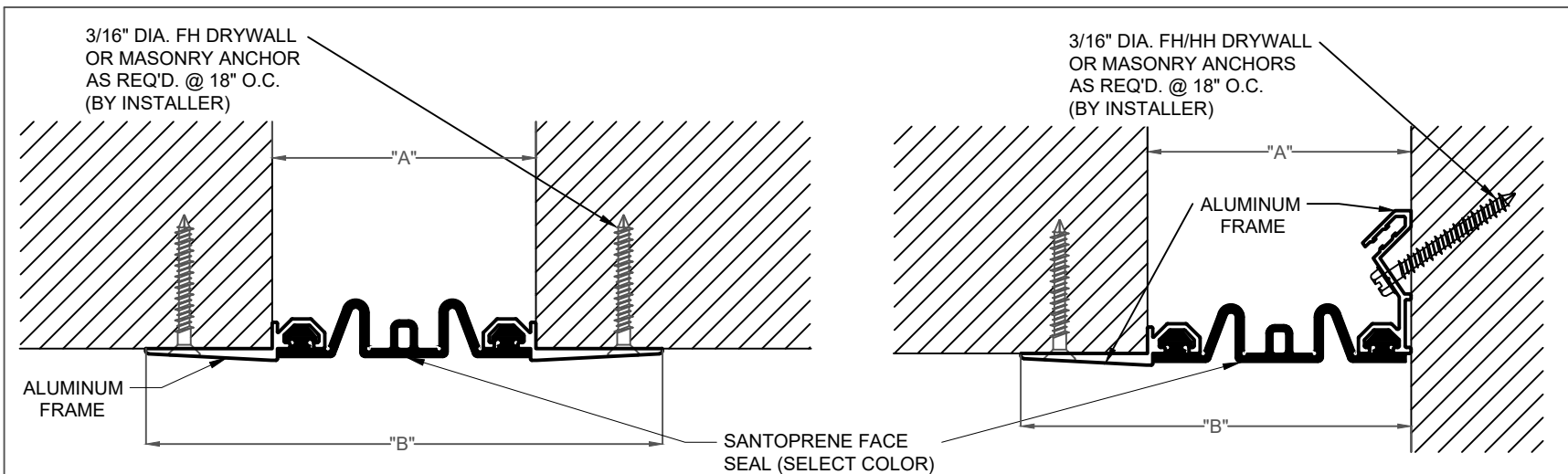


13311 Main Road * Akron * New York * 14001
 Phone: (716) 542-3991 * Fax: (716) 542-3996 * E-mail: sales@eriemetal.com

PROJECT: _____

TITLE: ELCS-200/200W

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.: ELCS-1



SEAL COLOR SELECTOR
 BLACK _____ WHITE _____
 BEIGE _____ GRAY _____

INTERIOR WALL & CLG. FLAT/CORNER SURFACE MOUNT SYS.
 EXPOSED ALUMINUM FINISH: CLEAR ANODIZED
 MOVEMENT: +/- 50% NOMINAL JOINT WIDTH
 STOCK LENGTHS: ALUMINUM FRAMES: 10'-0"
 SEAL: CONTINUOUS

PRODUCT	Application	Joint Size "A" @ Mean T°F	Exposed Site line "B" IN(MM)	Total Movement IN (MM)
ELCS-300	Wall/Ceiling	3.00" (76)	5.87" (149)	3.00" (76)
ELCS-400	Wall/Ceiling	4.00" (102)	6.87" (175)	4.00" (102)
ELCS-500	Wall/Ceiling	5.00" (127)	7.87" (200)	5.00" (127)
ELCS-600	Wall/Ceiling	6.00" (152)	8.87" (226)	6.00" (152)
ELCS-300W	Wall/Ceiling Corner	3.00" (76)	4.50" (113)	3.00" (76)
ELCS-400W	Wall/Ceiling Corner	4.00" (102)	5.50" (138)	4.00" (102)
ELCS-500W	Wall/Ceiling Corner	5.00" (127)	6.50" (164)	5.00" (127)
ELCS-600W	Wall/Ceiling Corner	6.00" (152)	7.50" (189)	6.00" (152)

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: ELCS-300/300W, 400/400W, 500/500W, 600/600W

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.: ELCS-1