



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:

ELCWS Series - Surface Mount System

FEATURES

COMPLEMENTARY SEAL COLORS Available in four elastomeric colors: beige, white, gray or black.

QUICKER INSTALLATION Reduce installation time and labor costs with fast and easy installation.

DETAILS

MATERIAL

6063-T5 Aluminum, Meets ASTB B221 & Santoprene

FINISH Clear Anodized

MOVEMENT

- Thermal: Horizontal

MOUNTING Surface

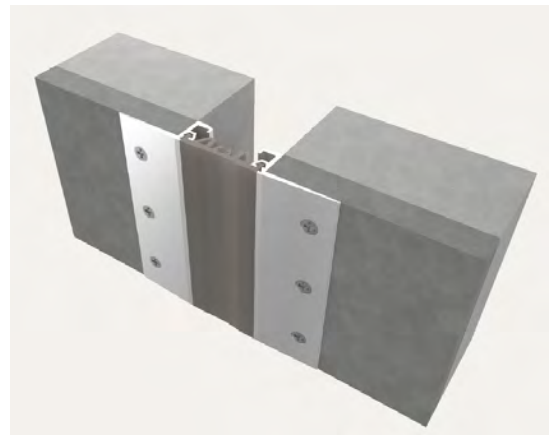
JOINT SIZE 1 inch to 3 inches

LENGTH 10 Linear Feet

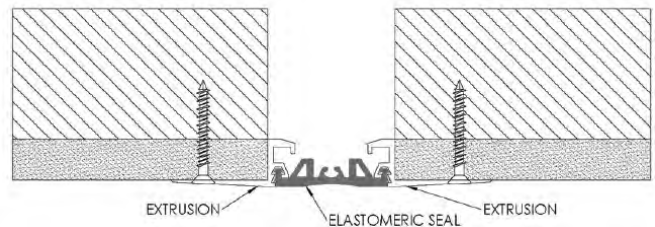
APPLICATION Interior

INSTALLATION Wall or Ceiling

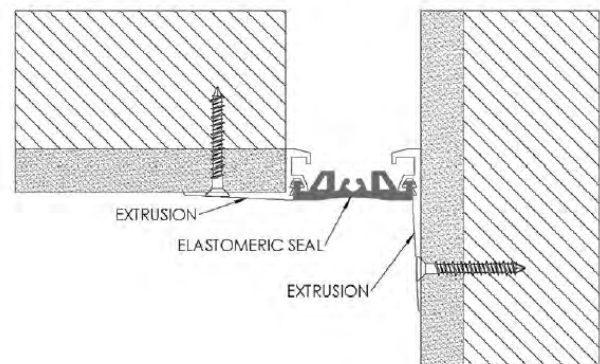
OPTIONS Moisture Barrier, Fire Barrier & additional materials, sizes and finishes upon request



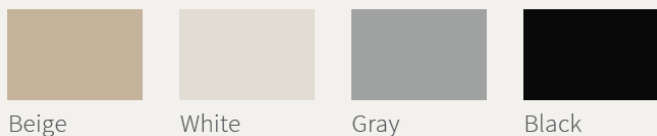
WALL-TO-WALL



WALL-TO-WALL/CORNER



SEAL COLORS



Beige

White

Gray

Black

MODELS

MODEL	APPLICATION	JOINT SIZE AT MEAN T°F	EXPOSED SIGHT LINE	TOTAL MOVEMENT
ELCWS-100	Wall/Ceiling to Wall/Ceiling	1" (25mm)	4" (102mm)	.5" (13mm)
ELCWS-200	Wall/Ceiling to Wall/Ceiling	2" (51mm)	5" (127mm)	1" (25mm)
ELCWS-300	Wall/Ceiling to Wall/Ceiling	3" (76mm)	6" (152mm)	1.5" (38mm)
ELCWS-100W	Wall/Ceiling to Corner	1" (25mm)	2.5" (64mm)	.5" (13mm)
ELCWS-200W	Wall/Ceiling to Corner	2" (51mm)	3.5" (89mm)	1" (25mm)
ELCWS-300W	Wall/Ceiling to Corner	3" (76mm)	4.5" (114mm)	1.5" (38mm)



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Akron, NY 14001

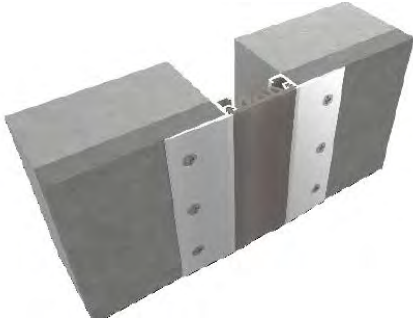
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ELCWS-Series Installation Instructions

ELASTOMERIC System – TOP MOUNT

MODEL(S): ELCWS/ELCWSw

ELCWS Wall to Wall/Ceiling to Ceiling Cover System



GENERAL DESCRIPTION

This Top Mount Elastomeric Corridor System is designed to be mounted directly over the expansion joint on top of the wall or ceiling material. It has four Santoprene seal color options to match your surroundings.

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 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

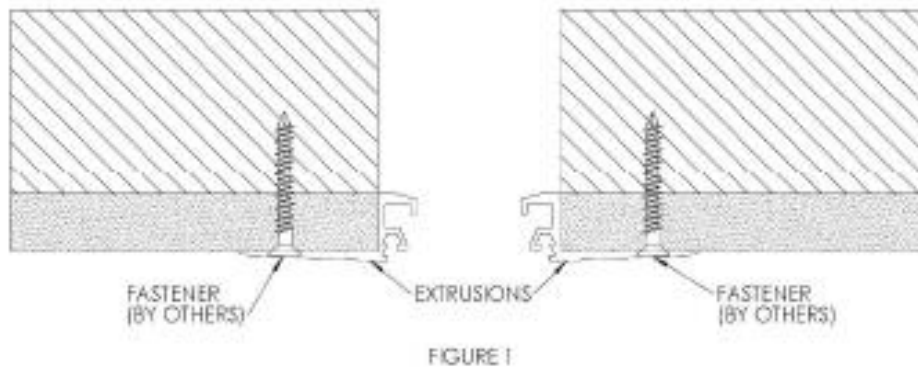
- Tape measure
- Phillips
- Hex screwdriver
- Slotted Drivers for Anchors
- Levels
- Awls
- Masking tape
- Rubber mallet
- Wooden block
- Trowel
- Chop saw to cut product to length
- Electric drill with 5/32" masonry bit
- Broom & dustpan or vacuum

Pre-Installation

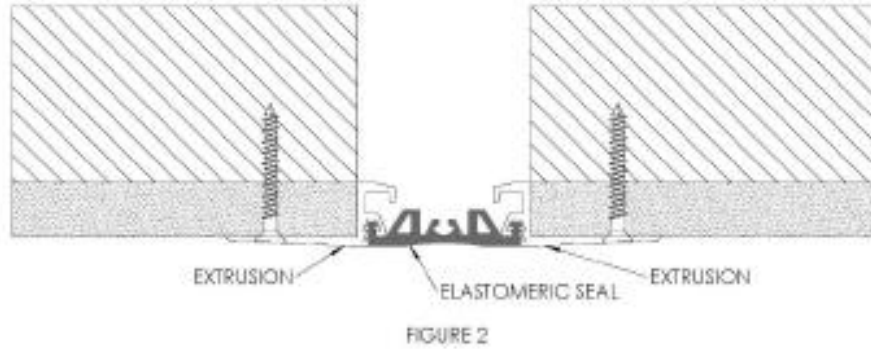
1. Ensure that the area where the expansion joint system is being installed is smooth and level.

INSTALLATION

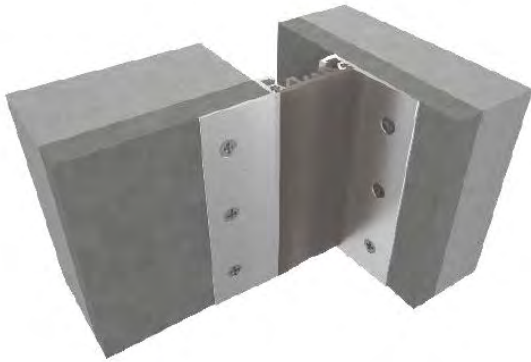
1. Position aluminum extrusions in the expansion joint as shown and attach with appropriate fasteners (by others) for the substrate. 18" on center (stagger seams, as necessary). **See Figure 1**



2. Position the elastomeric seal into position and push the seals bulbs into the extrusion channels as shown. Make sure the bulbs are seated all the way into the channel (stagger seams, as necessary). **See Figure 2**



ELCWSw Wall to Corner/Ceiling to Corner Cover System



GENERAL DESCRIPTION

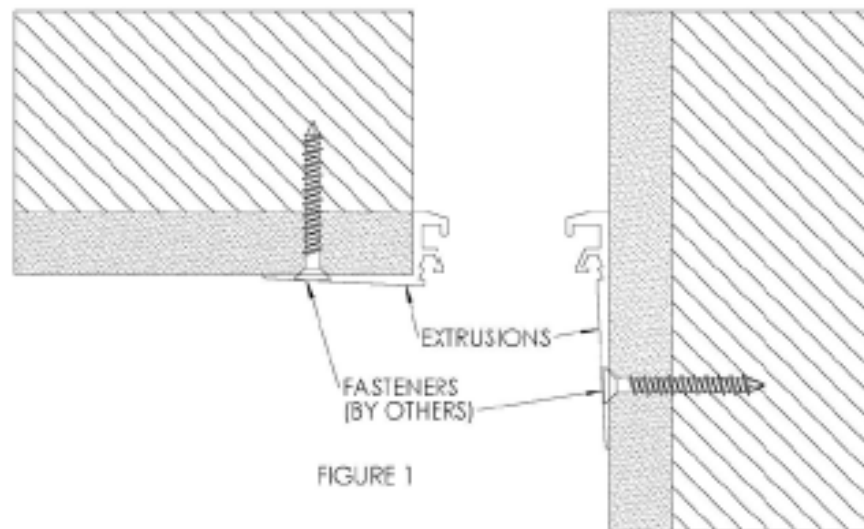
EMS' ELCWSw Interior Cover System is designed to match the ELCWS cover plate in corner applications.

Pre-Installation

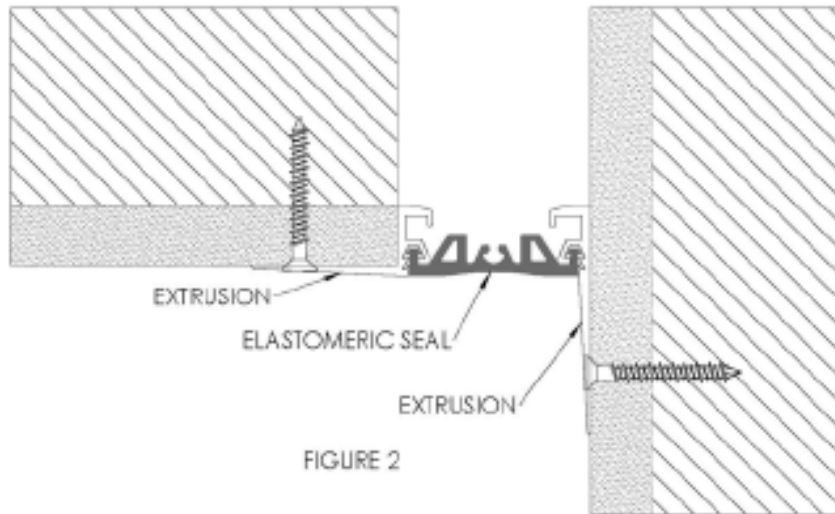
1. Ensure that the area where the expansion joint system is being installed is smooth and level.

INSTALLATION

1. Position aluminum extrusions in the expansion joint as shown and attach with appropriate fasteners (by others) for the substrate. 18" on center. Make sure the corner extrusion is installed so the extrusions channels are level with each other (stagger seams, as necessary). **See Figure 1.**



2. Position the elastomeric seal into position and push the seal bulbs into the extrusion channels as shown. Make sure the bulbs are seated all the way into the channel (stagger seams, as necessary). **See Figure 2**



FIELD SPLICE FOR FLAT ELASTOMERIC SEAL

1. Determine the angle needed and cut ends of seal in a miter box with a sharp, non-serrated knife. **See Figure 1**

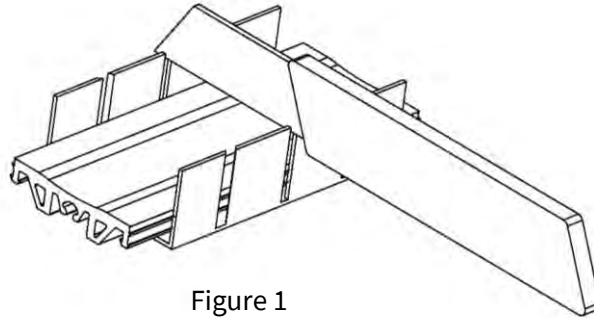


Figure 1

2. Using a solvent (by others) that is safe for elastomeric materials clean the ends of the seals. **See Figure 2**

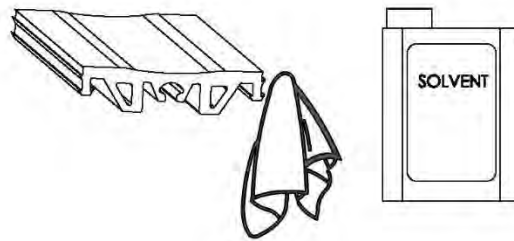


Figure 2

3. Apply a super glue, cyanoacrylate type (non-gel) or similar adhesive (by others) and follow instructions by the adhesive manufacturer. **See Figure 3**

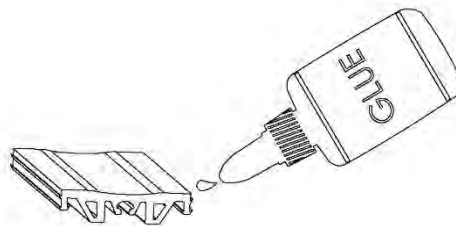


Figure 3

4. Check the splices after the adhesive has cured and reapply adhesive as necessary. Allow 15 minutes prior to installing seal. It typically takes 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. **See Figure 4**

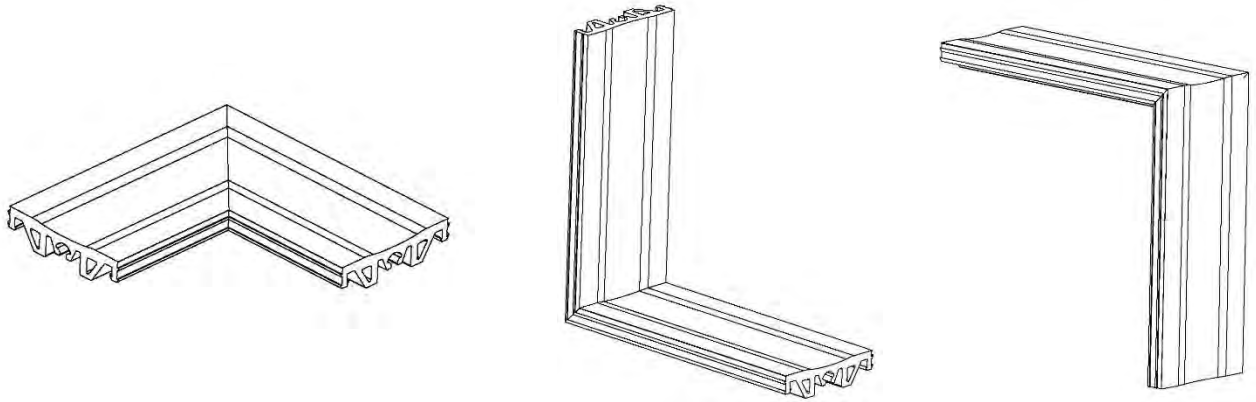


Figure 4



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SPECIFICATION

Section 07 95 13

Erie Metal Specialties, Interior Architectural Systems

Model(s) "ELCWS"

Interior Seismic 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 • 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-punched holes properly sized and spaced to receive joint compound.

For walls, soffits and ceilings furnish Erie Metal Specialties, Model "ELCW", "ELCWF" Expansion Control System as indicated on drawings.



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2.02 Components and Materials

- A. Aluminum Extrusions - Material to conform to properties of ASTM B221, alloy 6063-T5. Profile shall be lightweight and capable of accommodating various wall and ceiling conditions. Design profile with semi-closed extrusion cavity and features that will provide a mechanical lock for the Elastomeric Seal.
- B. Aluminum Shapes - Material to conform to ASTM B209, alloy 6061-T6 or 5005-H34.
- C. Elastomeric Seals - Material shall be a flexible extruded Santoprene or manufacturer's alternate material exhibiting a shore A hardness of 64 +/-5 with U.V. stabilizer. The seal shall be a multi-cellular profile with side lugs that mechanically snap lock into a corresponding extrusion cavity without assistance from fasteners for a secure fit.
- D. Anchors - Secure aluminum extrusion(s) by utilizing standard drywall screws for gypsum wall board construction. Screws are supplied by others and shall be of proper length to secure aluminum extrusion. Locate screws within solid metal between factory pre-punched flange holes. Anchor spacing shall be 24" o.c. maximum.
- E. Accessories - Provide necessary and related parts required for complete installation.

2.03 Fabrication

- A. Aluminum extrusions shall be supplied in 10 ft. lengths. The contractor shall be responsible for field cutting the extrusion to obtain the proper joint profile. All cutting and mitering of the seal required at directional changes shall be performed by the contractor in a neat and workmanlike manner utilizing manufacturers recommended splice clips and adhesive.
- B. All anchor holes shall be field drilled in accordance with manufacturer's drawings. Spacing shall be a maximum of 24" o.c.

2.04 Finishes

- A. Aluminum extrusions shall be supplied in standard mill finish.
- B. Elastomeric seals shall be supplied in standard colors - Black, beige and gray. Optional custom colors available

PART 3 - EXECUTION

3.01 Installation

- A. Protect all expansion joint component parts from damage during installation and thereafter until completion of structure.

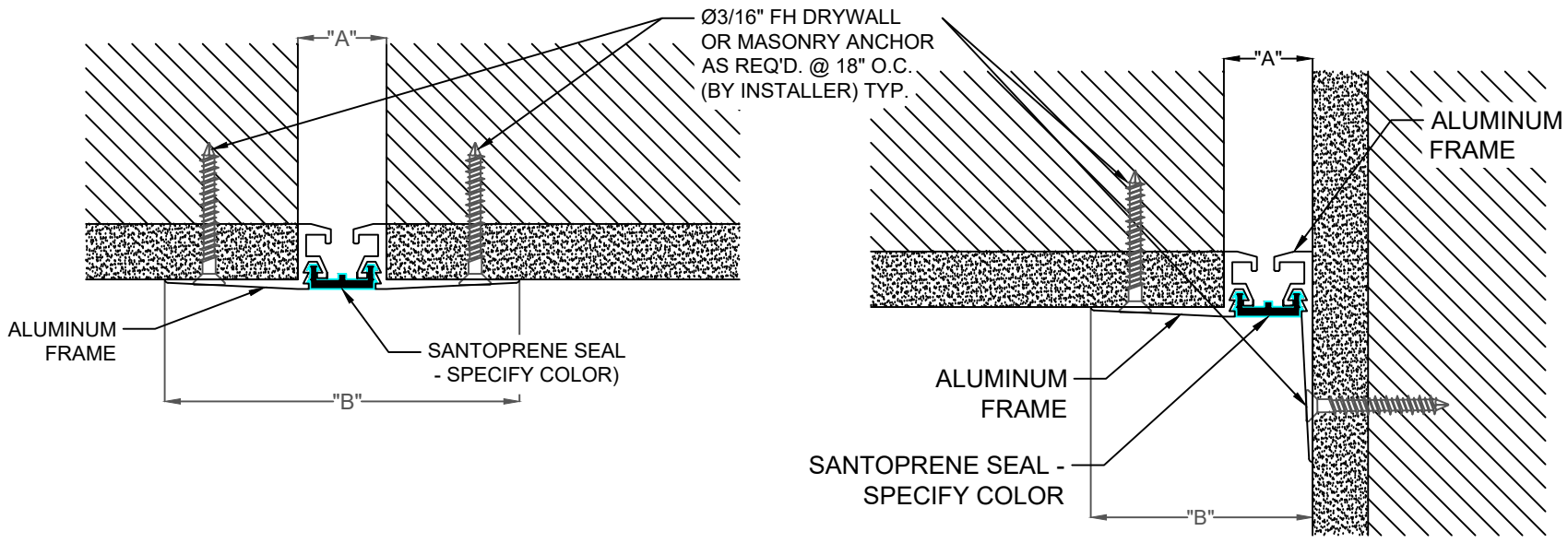


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- B. Expansion joint systems shall be installed in strict accordance with the manufacturer's typical details and instructions along with the advice of their qualified representative.
- C. Contractor shall provide proper and adequate adjacent construction 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 Protect

- A. Protect system and its components during construction. After work is complete in adjacent areas clean exposed surfaces with a suitable cleaner that will not harm or attack the elastomeric material.



SEAL COLOR SELECTOR
 BLACK _____ WHITE _____
 BEIGE _____ GRAY _____

WALL & CEILING/CORNER SURFACE APPLICATION
 EXPOSED FINISH: CLEAR ANODIZED
 MOVEMENT: +/- 25% NOMINAL JOINT WIDTH
 STOCK LENGTHS: 10'-0"

PRODUCT	Application	Joint Size "A" @ Mean T°F	Exposed Site line "B" IN(MM)	Total Movement IN (MM)
ELCWS-100	Wall/Ceiling	1.00" (25)	4.00" (102)	0.50" (13)
ELCWS-100W	Wall/Ceiling Corner	1.00" (25)	2.50" (64)	0.50" (13)

NO.	Description	Date	By
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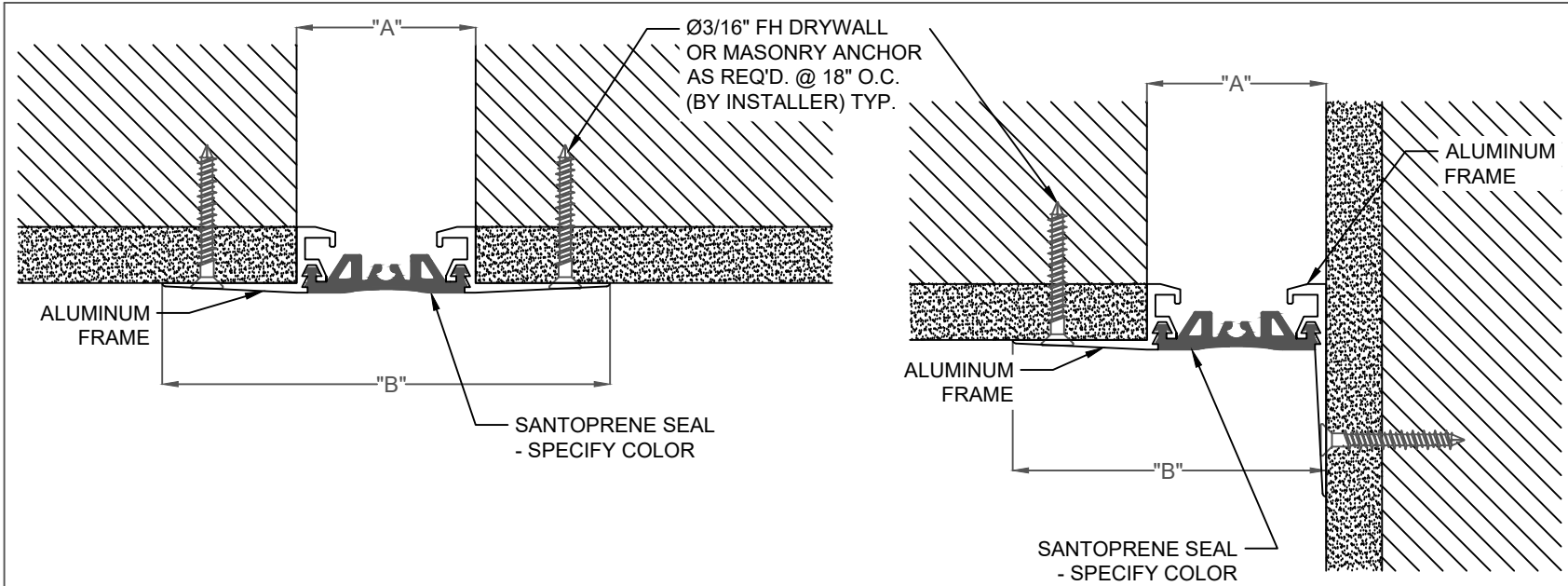


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PROJECT: _____

TITLE: ELCWS-100/100W

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	ELCWS-1



SEAL COLOR SELECTOR			
BLACK	_____	WHITE	_____
BEIGE	_____	GRAY	_____

WALL & CEILING/CORNER SURFACE APPLICATION
 EXPOSED FINISH: CLEAR ANODIZED
 MOVEMENT: +/- 25% NOMINAL JOINT WIDTH
 STOCK LENGTHS: 10'-0"

PRODUCT	Application	Joint Size "A" @ Mean T°F	Exposed Site line "B" IN(MM)	Total Movement IN (MM)
ELCWS-200	Wall/Ceiling	2.00" (51)	5.00" (127)	1.00" (25)
ELCWS-300	Wall/Ceiling	3.00" (76)	6.00" (152)	1.50" (38)
ELCWS-200W	Wall/Ceiling Corner	2.00" (51)	3.50" (89)	1.00" (25)
ELCWS-300W	Wall/Ceiling Corner	3.00" (76)	4.50" (114)	1.50" (38)

NO.	Description	Date	By
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PROJECT: _____

TITLE: ELCWS-200/200W, 300/300W

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	ELCWS-1