



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:

EWCS Series Wall System

Interior Joints (Wall)

The Seismic Glide Wall XL System is a wall and ceiling expansion control system capable of following complex directional changes and integrates with a variety of wall and ceiling surface treatments. Seismic Glide XL is available in clear or color anodized aluminum, brass or stainless steel to create a high end elegant appearance at an economical price.

FEATURES

EXTRA LARGE OPENINGS For openings larger than 2 inches, this system is designed to accommodate with lateral shear.

REDUCED AIR INFILTRATION The assembly includes a gasket strip on both sides to limit air flow through the joint.

DETAILS

MATERIAL 6063-T6 Aluminum

FINISH Clear Anodized

MOVEMENT

- Thermal: Horizontal and Vertical
- Seismic: Lateral Shear

MOUNTING Surface

JOINT SIZE 3 inches to 24 inches

LENGTH 10 Linear Feet

APPLICATION Interior

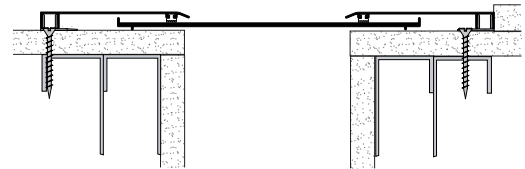
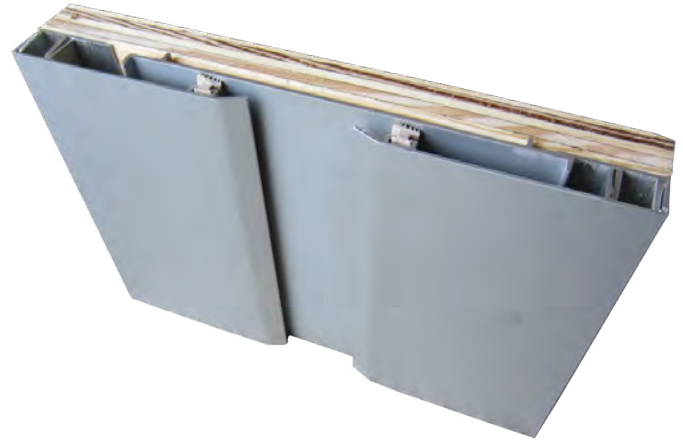
INSTALLATION Wall or Ceiling

OPTIONS Brass, Stainless Steel, Moisture Barrier, Fire Barrier

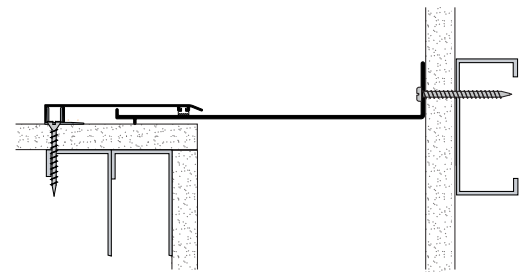
MODELS

WALL-TO-WALL

MODEL	JOINT SIZE AT MEAN T°F	SYSTEM WIDTH	TOTAL MOVEMENT
EWCS-300	3" (76mm)	7.56" (192mm)	4" (102mm)
EWCS-400	4" (102mm)	13.63" (346mm)	7" (178mm)
EWCS-600	6" (152mm)	15.63" (397mm)	7" (178mm)
EWCS-800	8" (203mm)	20.75" (527mm)	8" (203mm)
EWCS-1000	10" (254mm)	24.75" (629mm)	10" (254mm)
EWCS-1200	12" (305mm)	28.75" (730mm)	12" (305mm)
EWCS-1800	18" (457mm)	40.75" (1035mm)	18" (457mm)
EWCS-2400	24" (610mm)	52.75" (1340mm)	24" (610mm)



Wall-to-Wall



Wall/Ceiling Corner

CORNER

MODEL	JOINT SIZE AT MEAN T°F	SYSTEM WIDTH	TOTAL MOVEMENT
EWCS-300W	3" (76mm)	7.25" (184mm)	3" (76mm)
EWCS-400W	4" (102mm)	7.75" (197mm)	4.5" (114mm)
EWCS-600W	6" (152mm)	10.75" (273mm)	4.5" (114mm)
EWCS-800W	8" (203mm)	13.75" (349mm)	8" (203mm)
EWCS-1000W	10" (254mm)	16.75" (425mm)	10" (254mm)
EWCS-1200W	12" (305mm)	19.75" (502mm)	12" (305mm)
EWCS-1800W	18" (457mm)	28.75" (730mm)	18" (457mm)
EWCS-2400W	24" (610mm)	37.75" (959mm)	24" (610mm)



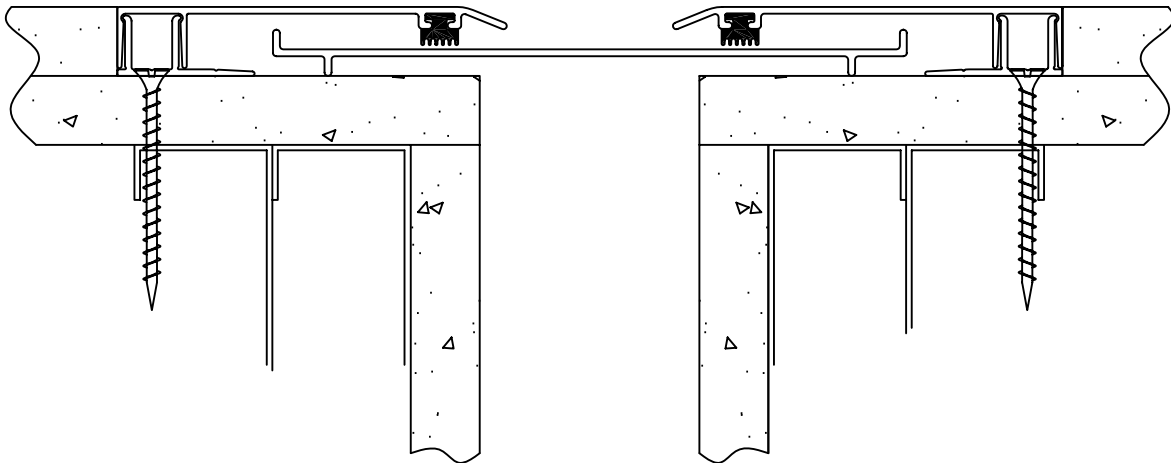
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Glide Plate - Professional Series Model(s) EWCS 100-600 Vertical Expansion Control Systems

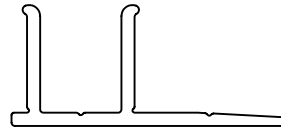
The following installation procedure is very important and must be fully understood prior to beginning any work. To ensure proper installation and performance of expansion joint system the following actions must be completed by the installing contractor. Failure to do so will affect product warranty.

- 1) Carefully read and understand installation procedure. Contact Technical Service Department for product assistance.
- 2) Inspect all shipments and materials for missing or damaged components and hardware. Contact Customer Service with order number and invoice for prompt assistance.
- 3) Inspect substrate or adjacent construction for acceptance before beginning work. Report unacceptable construction to the project manager for scheduled repair work.

Standard Components

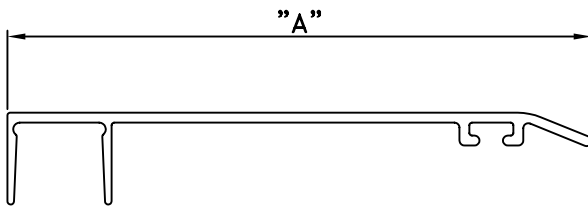


PVC Gasket
P/n: 2838



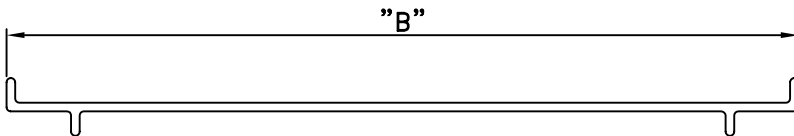
Base Extrusion
P/n: 11862

Components shown below vary in size depending on model of system



Anodized Aluminum Face Extrusion
(Refer to Chart for size and P/N's)

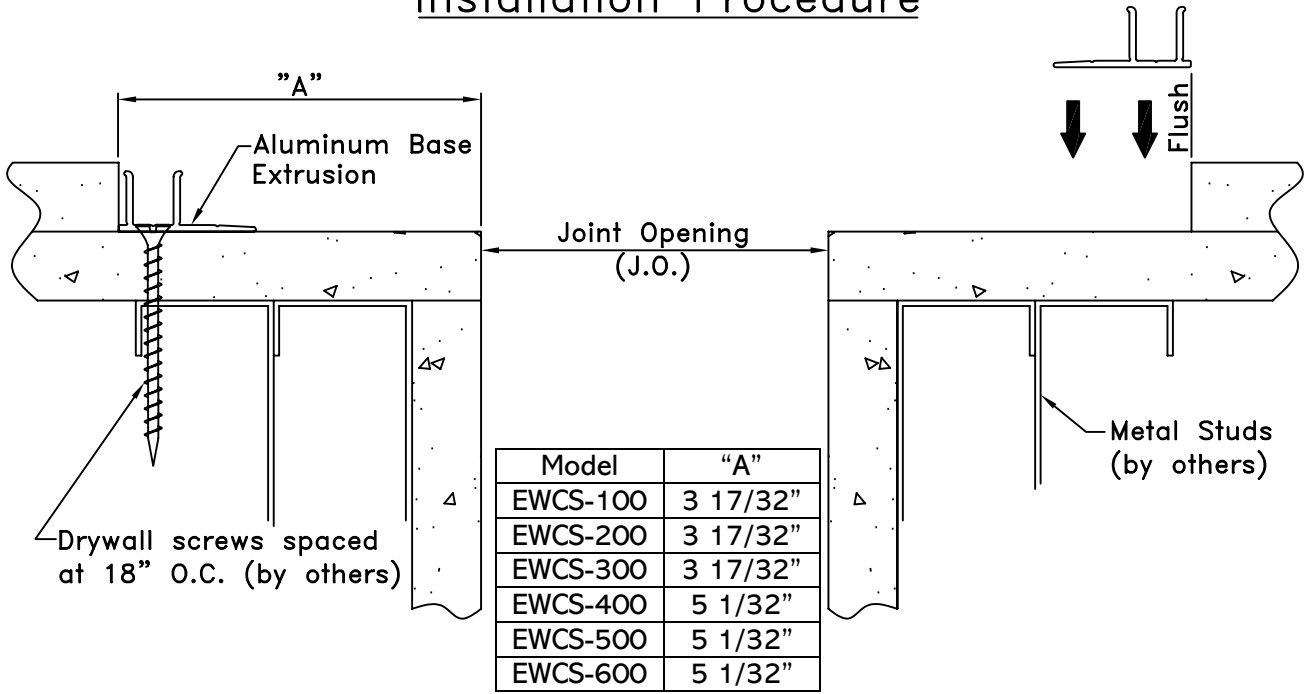
Model	"A"	P/N
EWCS-100	3 17/32"	11854
EWCS-200	3 17/32"	11854
EWCS-300	3 17/32"	11854
EWCS-400	5 1/32"	11860
EWCS-500	5 1/32"	11860
EWCS-600	5 1/32"	11860



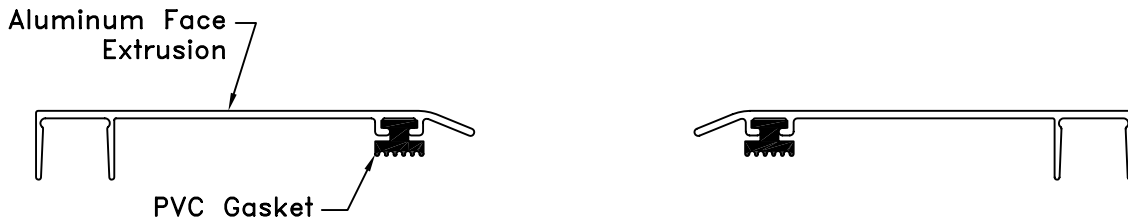
Anodized Aluminum Slide Plate
(Refer to Chart for size and P/N's)

Model	"B"	P/N
EWCS-100	5 3/4"	11855
EWCS-200	5 3/4"	11855
EWCS-300	5 3/4"	11855
EWCS-400	10 1/4"	11861
EWCS-500	10 1/4"	11861
EWCS-600	10 1/4"	11861

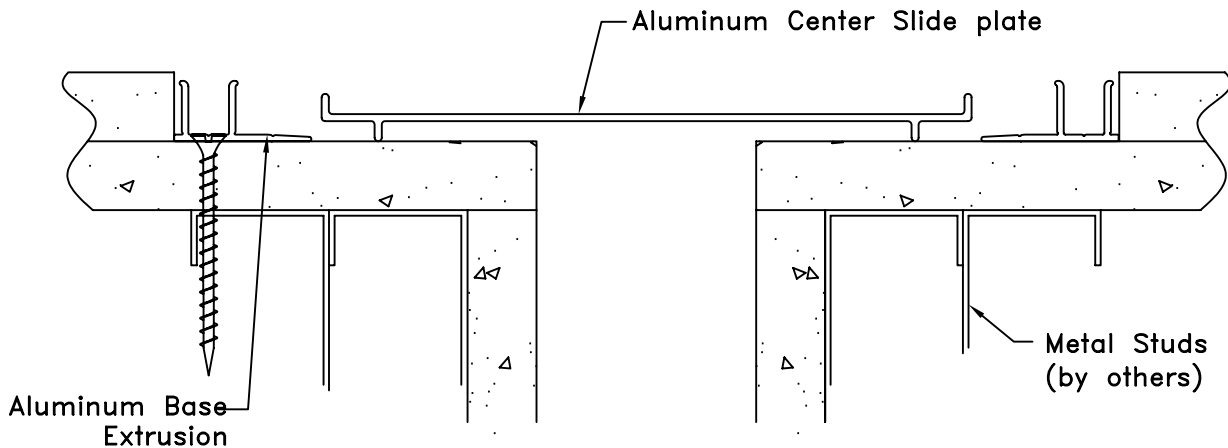
Installation Procedure



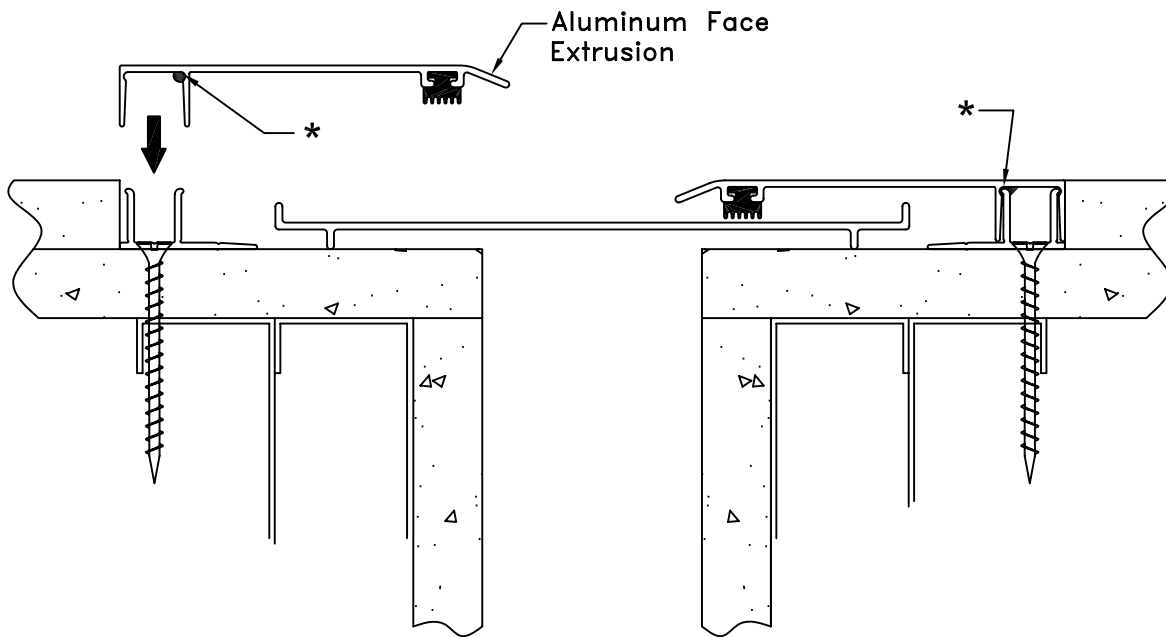
1 Position Aluminum Base Extrusion flush with Joint Opening. Field drill holes through the base extrusion and metal stud spaced at 18" O.C. Once the holes have been drilled, fasten base extrusion to wall with drywall screws (by others).



2 Cut PVC Gasket material to length and slide the gasket into groove on the Aluminum Face Extrusion.



3 Position and center Aluminum Slide Plate against the base of the blockout.



4

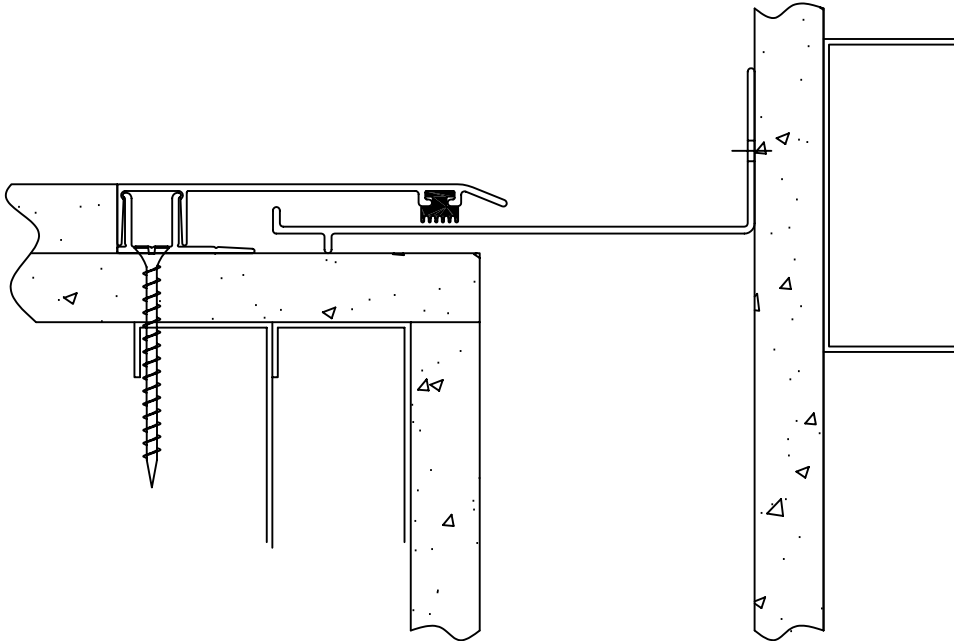
Apply Continuous Bead (start 1.2" from either end) of Dow Corning 795 Gray Sealant Adhesive where indicated.

Align Aluminum Face Extrusion with Gasket material in front of Base extrusion. Using the palm of your hand, gently tap Aluminum Face extrusion onto the Aluminum base extrusion. When installing, exercise care not to damage face extrusion.



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Glide Plate - Professional Series Model(s) EWCS 100W-600W Vertical Expansion Control Systems

The following installation procedure is very important and must be fully understood prior to beginning any work. To ensure proper installation and performance of expansion joint system the following actions must be completed by the installing contractor. Failure to do so will affect product warranty.

- 1) Carefully read and understand installation procedure. Contact Technical Service Department for product assistance.
- 2) Inspect all shipments and materials for missing or damaged components and hardware. Contact Customer Service with order number and invoice for prompt assistance.
- 3) Inspect substrate or adjacent construction for acceptance before beginning work. Report unacceptable construction to the project manager for scheduled repair work.

PN: N2Q242

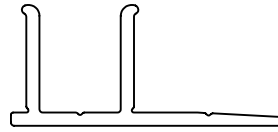
Standard Components



#10 x 2" Lg Phillips
Head S.S. Tek Screw
P/n: 5832

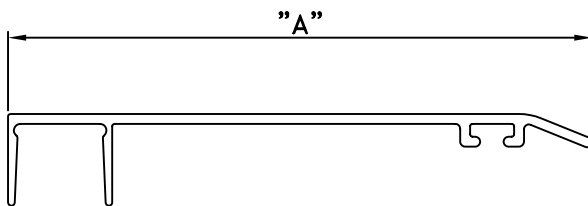


PVC Gasket
P/n: 2838



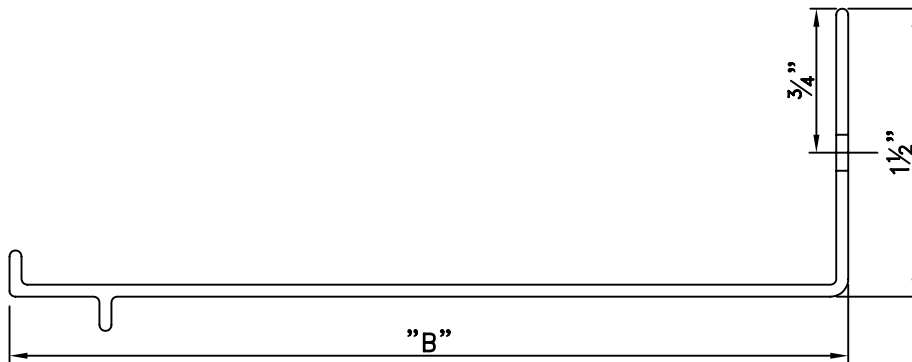
Base Extrusion
P/n: 11862

Components shown below vary in size depending on model of system



Anodized Aluminum Face Extrusion
(Refer to Chart for size and P/N's)

Model	"A"	P/N
EWCS-100W	4 17/32"	11856
EWCS-200W	4 17/32"	11856
EWCS-300W	4 17/32"	11856
EWCS-400W	6 1/32"	11863
EWCS-500W	6 1/32"	11863
EWCS-600W	6 1/32"	11863

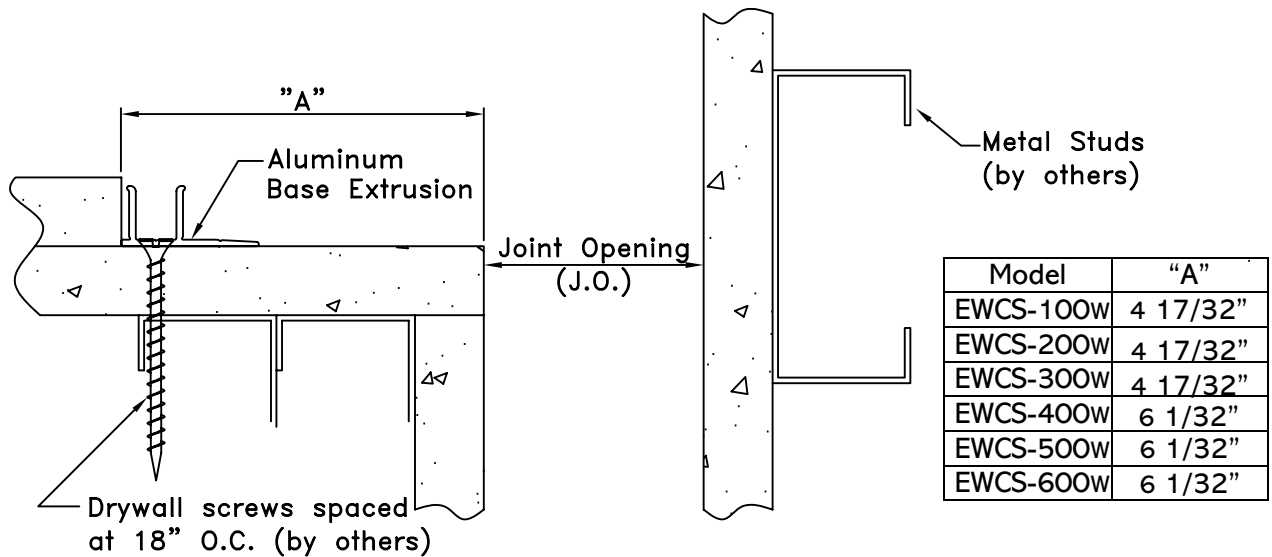


Anodized Aluminum Corner Slide Plate
(Refer to Chart for size and P/N's)

Model	"B"	P/N
EWCS-100W	4 3/8"	11857
EWCS-200W	4 3/8"	11857
EWCS-300W	4 3/8"	11857
EWCS-400W	8 1/8"	11864
EWCS-500W	8 1/8"	11864
EWCS-600W	8 1/8"	11864

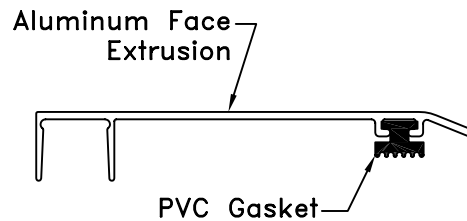
DOW CORNING 795 GREY

Installation Procedure



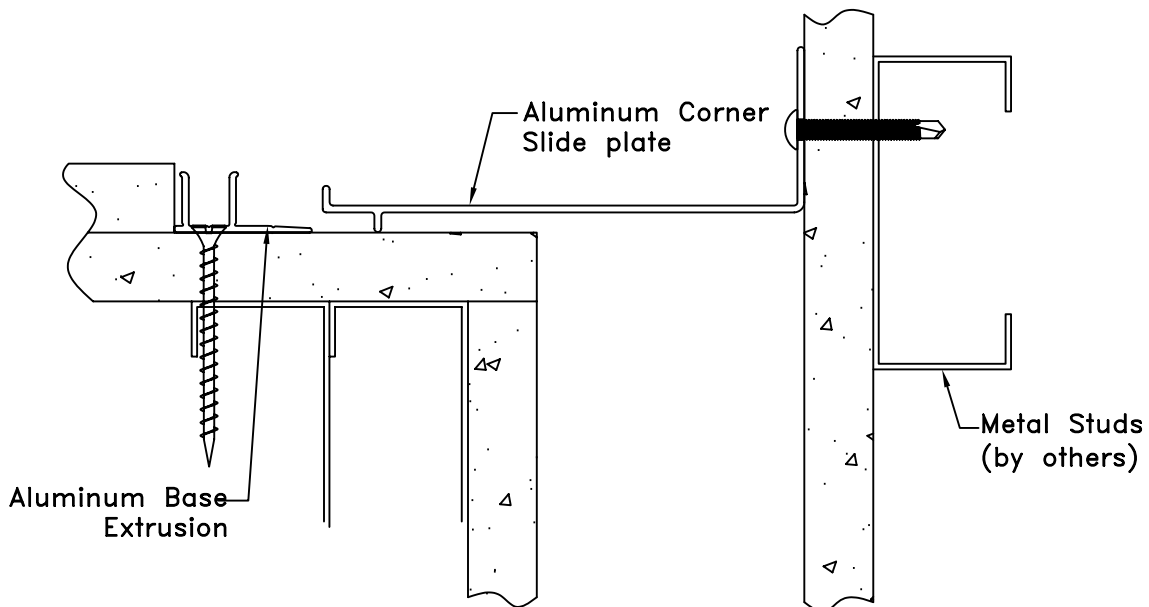
1

Position Aluminum Base Extrusion flush with Joint Opening. Field drill holes through the base extrusion and metal stud spaced at 18" O.C. Once the holes have been drilled, fasten base extrusion to wall with drywall screws (by others).



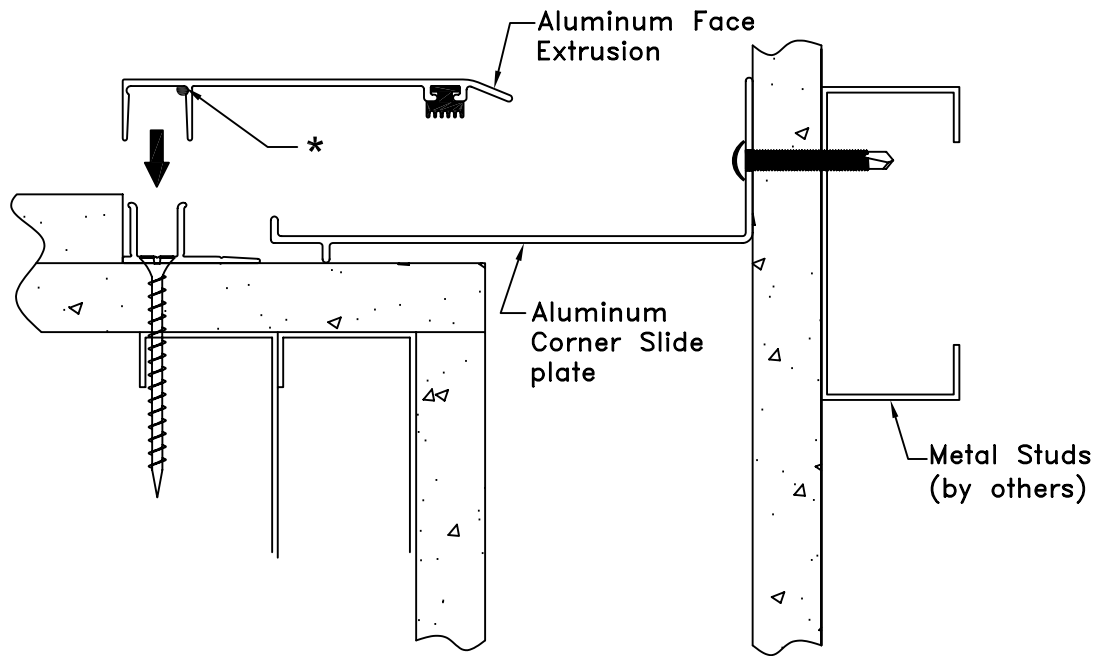
2

Cut PVC Gasket material to length and slide the gasket into groove on the Aluminum Face Extrusion.



3

Position Aluminum Corner Slide Plate against the wall structure. After Corner slide plate location has been marked, fasten slide plate against wall with S.S. Tek Screw (P/n:5832).



4

Apply Continuous Bead (start 1.2" from either end) of Dow Corning 795 Gray Sealant Adhesive where indicated.

Align Aluminum Face Extrusion with Gasket material in front of Base extrusion. Using the palm of your hand or rubber mallet, gently tap Aluminum Face extrusion onto the Aluminum base extrusion. When installing, exercise care not to damage face extrusion.



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SPECIFICATION

Section 07 95 13

Erie Metal Specialties, Interior Architectural Systems

Model(s) "EWCS", "EWCS-W"

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 gaskets.
- B. Related Work
 - Gypsum Board
 - Miscellaneous and ornamental metals
 - Flashing and sheet metal
 - Sealants and caulking

1.02 Submittals

- A. Template Drawings - Submit typical seismic 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 • NY • 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.
- 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.



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- 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. Products: Expansion Control Systems must be installed with manufacturer's block out repair and infill material(s).
- D. Maintenance: The manufacturer shall provide the owner-operator a preventive maintenance guideline for Expansion Control Systems.

PART 2 - PRODUCT

2.01 General

- A. Provide wall and ceiling expansion control system that accommodates multi-directional movement. The system shall be capable of following changes in direction utilizing preformed or extruded metal profiles and integral snap-fit features for ease of component assembly.

For walls, ceilings and soffits furnish, Erie Metal Specialties Expansion Control System, Model "EWCS" or EWCS-W as manufactured and indicated on drawings.



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2.02 Components and Materials

- A. Exposed Upper Face Component:
Material shall be extruded aluminum confirming to properties of ASTM B221 alloy 6063-T5.
- B. Lower Base Component:
Material shall be extruded aluminum confirming to properties of ASTM B221 alloy 6063-T5.
- C. Slide Plate:
 - Extruded Profiles: Material shall be extruded aluminum confirming to properties of ASTM B221 alloy 6063-T5.
 - Manufactured Profiles: Material shall be aluminum conforming to the properties of ASTM B209, alloy 5005-H34.
- D. Gasket - Material shall be manufacturers Isolation standard polyvinylchloride extruded profile.
- E. Anchors - Installing contractor to provide and utilize drywall screws appropriate for the wall studs. At corner condition secure slide plate to wall Provide No. 10 diameter. x 1-1/2" long Phillips drive panhead self-drilling TEK screw. Maximum spacing shall be 18" o.c.
- F. Accessories - Provide necessary and related parts required for complete installation.
- G. Fire Barrier Assembly - Designed to provide the required fire endurance rating, minimize passage of smoke and accommodate dynamic movement without stress or degradation to its components. Test system in maximum joint width incorporating a field splice. Supply Fire Barrier System as governed by joint opening, test requirements and fire rating.

2.03 Fabrication

- A. Metal components with slide gasket and fastening system shall be shipped in 10 ft. lengths and shall be cut to length on jobsite where required. Components shall be miter cut in the field to conform to directional changes unless otherwise contracted with expansion joint manufacturer.
- B. Anchor holes at lower edge component shall be field drilled in accordance with manufacturer's drawings.
- C. Fire Barriers - Ship manufacturer's standard assembly including fire caulks, sealants (if applicable) and hardware for the required hourly rating. Assemblies shall be miter cut in the field to accommodate changes in direction.



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2.04 Finishes

A. Exposed Upper Edge Component and Slide Plate

1. Aluminum Standard: - clear anodized finish in accordance with AA-M10 C22 A31 Class II (0.4 - 0.7 thick anodic coating).

Optional: - color anodize. Select from manufacturers standard color offering.

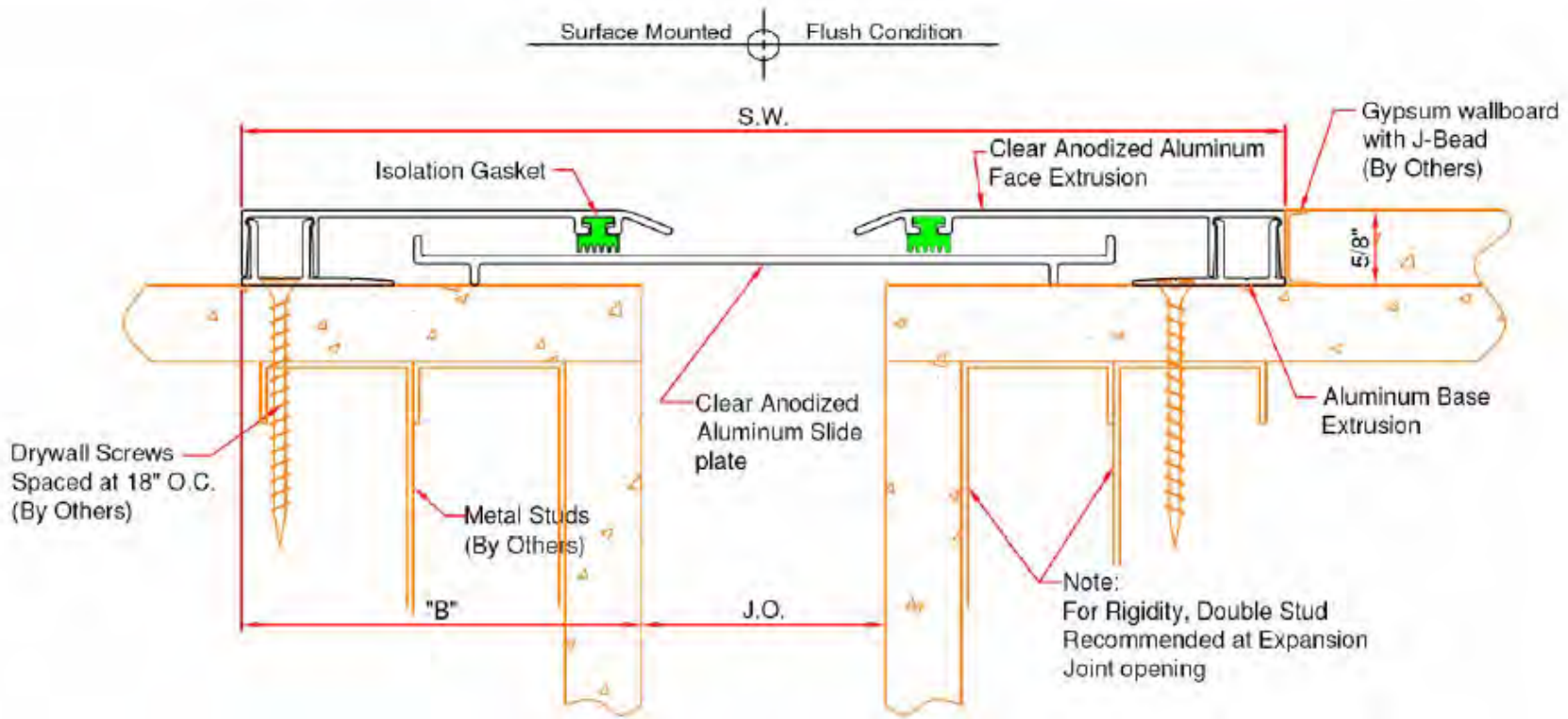
PART 3 - EXECUTION

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. Expansion joint systems shall be set to the proper width for the ambient temperature at the time of installation. This information is indicated in the contract plans.

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.



() - Denotes Millimeters

EWCS-100 thru EWCS-300 DETAIL
WALL-TO-WALL CONDITION

DIMENSION CHART						
MODEL	J.O. @ Min	J.O. @ Mid	J.O. @ Max.	"B"	Total Movement	System Width
EWCS-100	1/2" (13)	1" (25)	4 1/2" (114)	3 5/16" (84)	4" (102)	7 9/16" (192)
EWCS-200	1/2" (13)	2" (51)	4 1/2" (114)	3 5/16" (84)	4" (102)	8 9/16" (217)
EWCS-300	1/2" (13)	3" (76)	4 1/2" (114)	3 5/16" (84)	4" (102)	9 9/16" (243)

NO.	Description	Date	By
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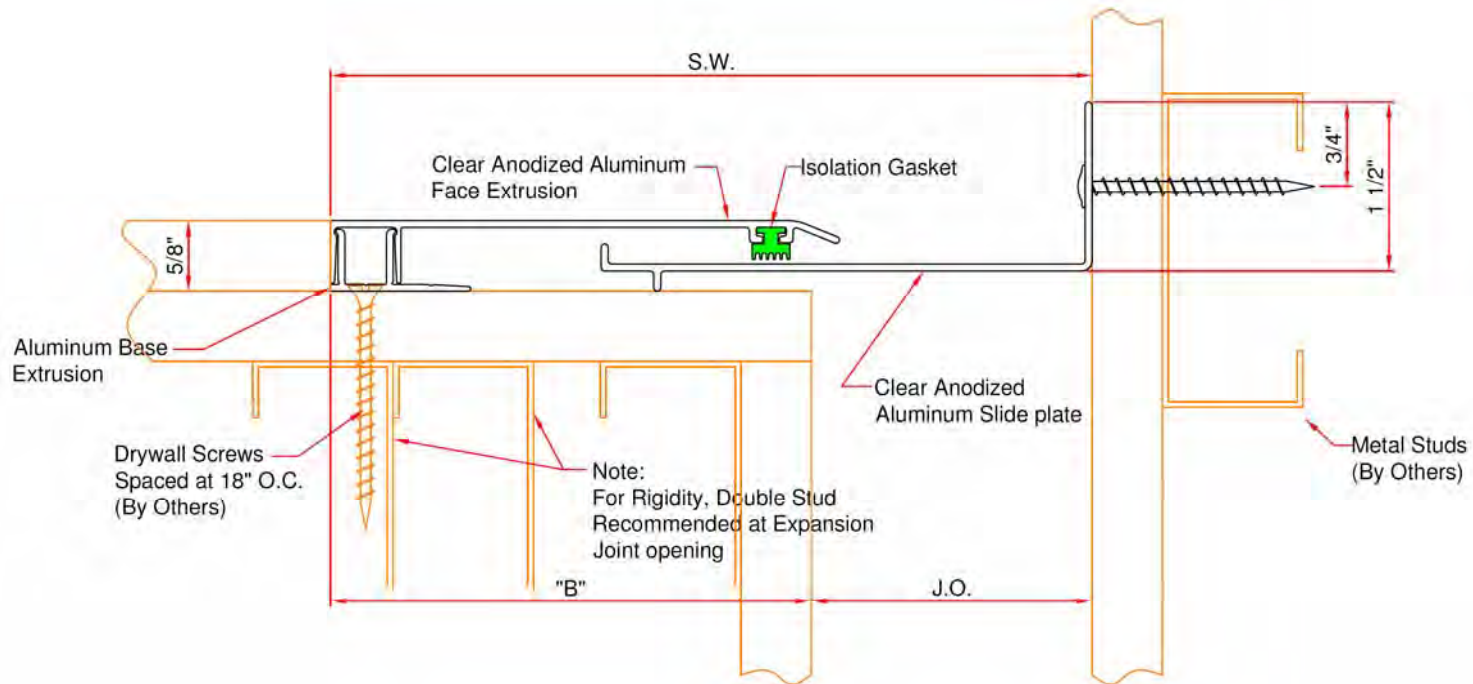


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PROJECT:

TITLE:

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.: EWCS-Series



EWCS-100W thru EWCS-300W DETAIL
WALL-TO-WALL CORNER CONDITION

() - Denotes Millimeters

NOTE: Minimum and Maximum values are after movement occurs. Mid point value is the recommended size of opening at installation

DIMENSION CHART						
MODEL	J.O. @ Min	J.O. @ Mid	J.O. @ Max.	"B"	Total Movement	System Width
EWCS-100W	1/2" (13)	1" (25)	3 1/2" (89)	4 1/2" (114)	3" (76)	5 1/2" (140)
EWCS-200W	3/4" (19)	2" (51)	3 3/4" (95)	4 1/4" (108)	3" (76)	6 1/4" (159)
EWCS-300W	3/4" (19)	3" (76)	3 3/4" (95)	4 1/4" (108)	3" (76)	7 1/4" (184)

NO.			

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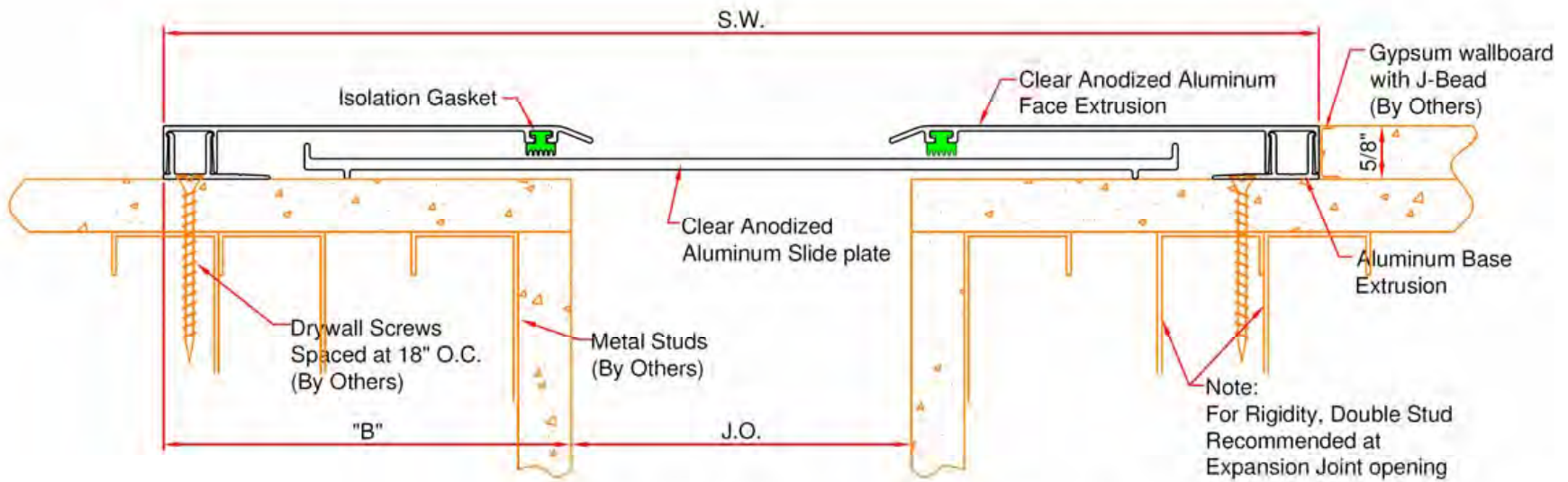


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PROJECT:

TITLE:

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.: EWCS-Series



EWCS-400 thru EWCS-600 DETAIL

WALL-TO-WALL CONDITION

() - Denotes Millimeters

NOTE: Minimum and Maximum values are after movement occurs. Mid point value is the recommended size of opening at installation

DIMENSION CHART						
MODEL	J.O. @ Min	J.O. @ Mid	J.O. @ Max.	"B"	Total Movement	System Width
EWCS-400	2" (51)	4" (102)	9" (229)	4 13/16" (122)	7" (178)	13 9/16" (344)
EWCS-500	2" (51)	5" (127)	9" (229)	4 13/16" (122)	7" (178)	14 9/16" (370)
EWCS-600	2" (51)	6" (152)	9" (229)	4 13/16" (122)	7" (178)	15 9/16" (395)

NO.			

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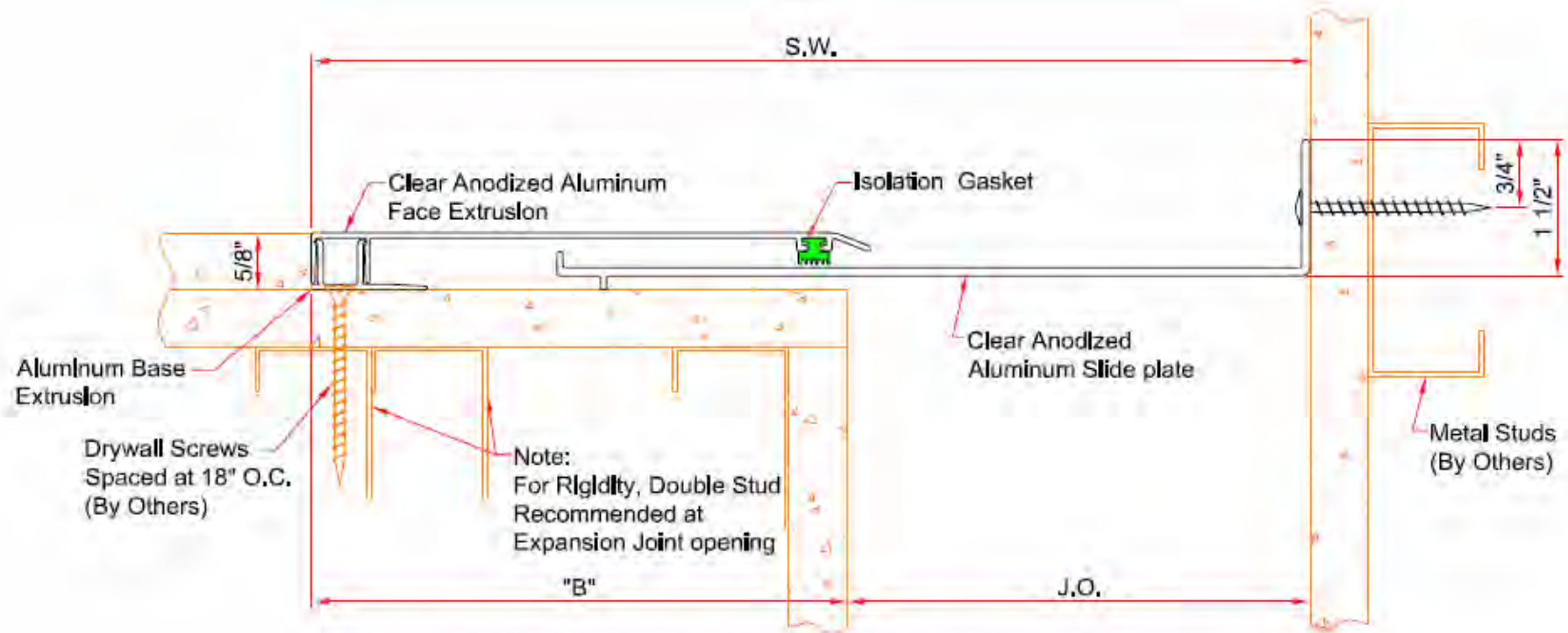


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PROJECT:

TITLE:

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.: EWCS-Series



EWCS-400W thru EWCS-600W DETAIL

WALL-TO-WALL CORNER CONDITION

() - Denotes Millimeters

NOTE: Minimum and Maximum values are after movement occurs. Mid point value is the recommended size of opening at installation

DIMENSION CHART						
MODEL	J.O. @ Min	J.O. @ Mid	J.O. @ Max.	"B"	Total Movement	System Width
EWCS-400W	3" (76)	4" (102)	7 1/2" (191)	5 3/4" (146)	4 1/2" (114)	9 3/4" (248)
EWCS-500W	3" (76)	5" (127)	7 1/2" (191)	5 3/4" (146)	4 1/2" (114)	10 3/4" (273)
EWCS-600W	3" (76)	6" (152)	7 1/2" (191)	5 3/4" (146)	4 1/2" (114)	11 3/4" (298)

NO.			

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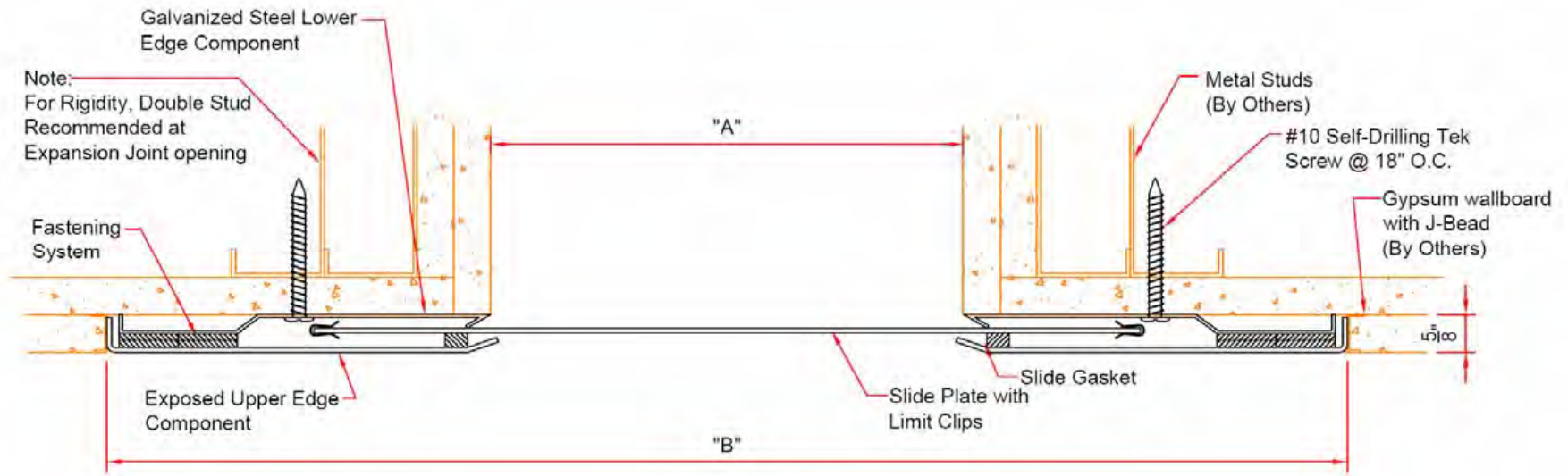


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PROJECT:

TITLE:

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.: EWCS-Series



EWCS-800 thru EWCS-2400 DETAIL

WALL-TO-WALL CONDITION

() - Denotes Millimeters

NOTE: Minimum and Maximum values are after movement occurs. Mid point value is the recommended size of opening at installation

DIMENSION CHART					
MODEL	"A" @ Min	"A" @ Mid	"A" @ Max.	"B" @ Mid	Total Movement
EWCS-800	4" (102)	8" (203)	12" (305)	20 3/4" (527)	8" (203)
EWCS-1000	5" (127)	10" (254)	15" (381)	24 3/4" (629)	10" (254)
EWCS-1200	6" (152)	12" (305)	18" (457)	28 3/4" (730)	12" (305)
EWCS-1800	9" (229)	18" (457)	27" (686)	40 3/4" (1035)	18" (457)
EWCS-2400	12" (350)	24" (607)	36" (914)	52 3/4" (1340)	24" (610)

NO.			

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