



# 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:

# ENBW Series Seismic Glide System

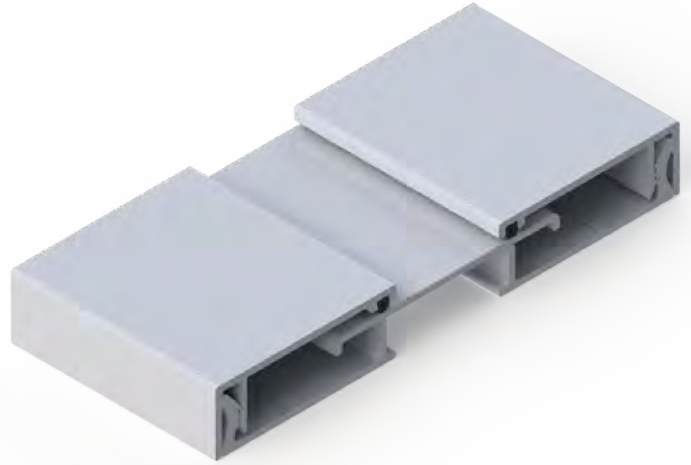
The Seismic Glide System wall and ceiling expansion control system is capable of multi directional changes, as well as integrating with a variety of wall and ceiling surface treatments. Seismic Glide is available in clear anodized aluminum to create a sleek look at an economical price.

## FEATURES

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

**GASKETS** The assembly includes a gasket strip on either side to limit air flow in the joint.

**EASY ASSEMBLY** After base plates are attached to the wall, the cover assembly snaps together for a tight fit.



## DETAILS

**MATERIAL** 6063-T6 Aluminum

**FINISH** Clear Anodized

### MOVEMENT

- Thermal: Horizontal and Vertical
- Seismic: Lateral Shear

**MOUNTING** Surface

**JOINT SIZE** 1 inch to 2 inches

**LENGTH** 10 Linear Feet

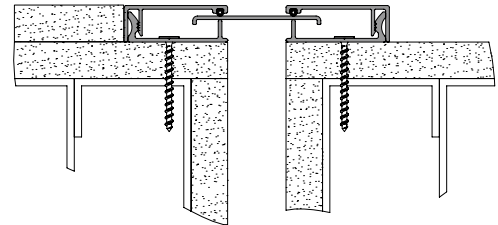
**APPLICATION** Interior

**INSTALLATION** Wall or Ceiling

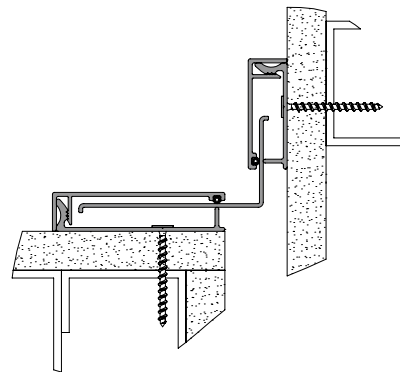
**OPTIONS** Moisture Barrier, Fire Barrier

## MODELS

MODEL	INSTALLATION	JOINT SIZE AT MEAN T°F	SYSTEM WIDTH	TOTAL MOVEMENT
ENBW-100	Wall-to-Wall	1" (25mm)	3" (76mm)	1" (25mm)
ENBW-100W	Corner	1" (25mm)	3" (76mm)	1" (25mm)
ENBW-200	Wall-to-Wall	2" (51mm)	5" (127mm)	2" (51mm)
ENBW-200W	Corner	2" (51mm)	5" (127mm)	2" (51mm)



Wall-to-Wall



Wall/Ceiling Corner





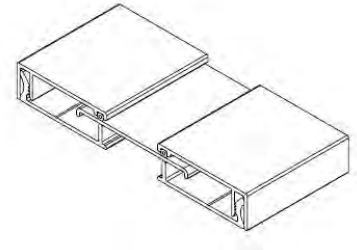
Erie Metal Specialties, Inc.  
 13311 Main Road  
 Akron, NY 14001

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

## ENBW Series Expansion Joint Systems

### Prepare for Installation

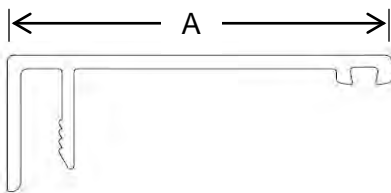
1. Locate the packing slip(s) and shop drawings.
2. Verify that all products listed on the packing slip are included in the package.
3. Check the products for damage. If products are damaged, report a freight claim immediately and leave the products in their packaging. If you sign for products without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



### Tools List:

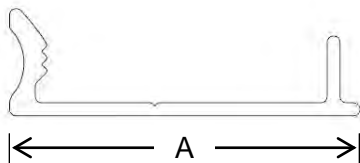
- Drill
- Level
- Chalk Line
- Chop Saw

### Parts List:

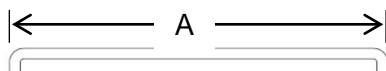


Model	P/N
GASKET	1309

Model	"A"	P/N
ENBW-100	1.77	29465
ENBW-200	2.77	29467

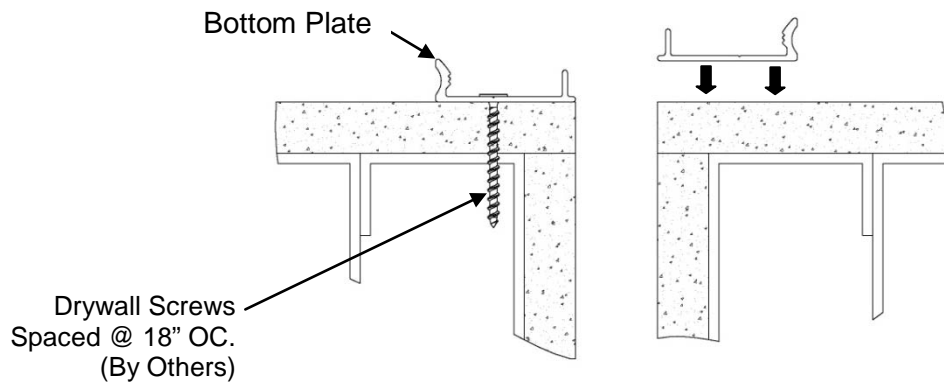


Model	"A"	P/N
ENBW-100	1.71	29466
ENBW-200	2.71	29468

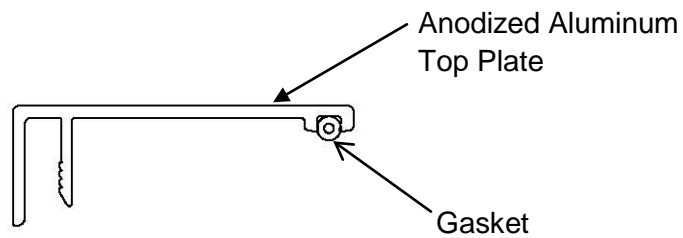


Model	"A"	P/N
ENBW-100	2.19	29473
ENBW-200	3.69	29474

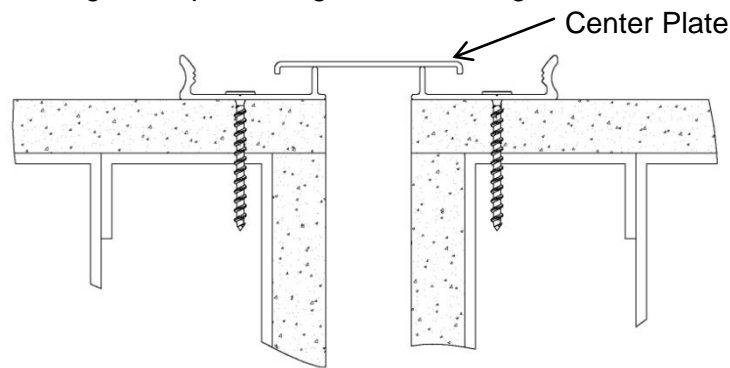
## Installation:



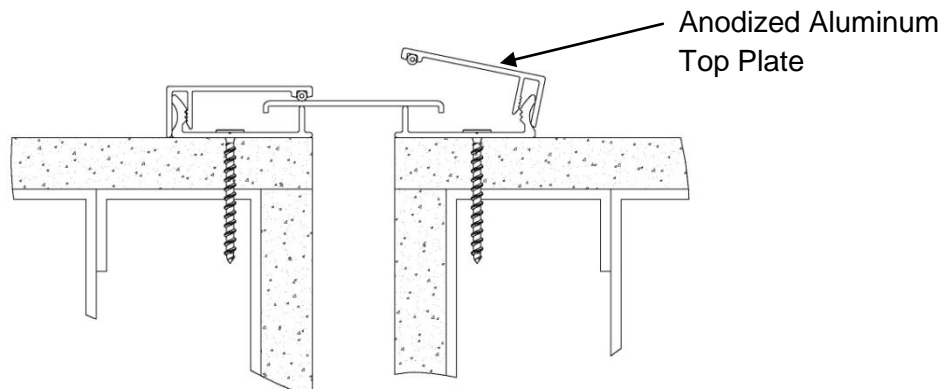
1. Position the bottom plate flush with the inside surface of the joint opening. Field drill holes thru the bottom plate and stud spaced 18 inches on center. After the holes have been drilled, fasten the bottom plate to the wall with drywall screws (by others). If required, fire barrier and moisture barrier should be installed at this time.



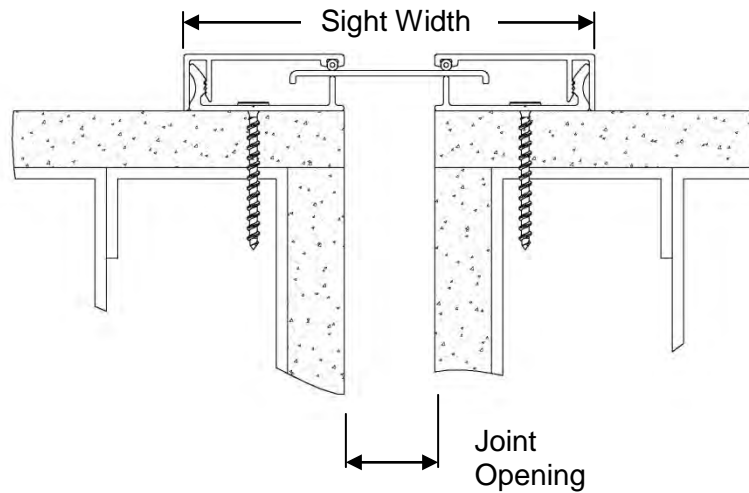
2. Cut Gasket material to length and push the gasket into the groove on the aluminum top plate.



3. Place center plate into position against the adjacent bottom plates.



4. Align aluminum top plate with gasket material in front of base extrusion. Using the palm of your hand, gently tap aluminum top plate onto the aluminum base extrusion. It should click into place all along the length of the top plate. Repeat on opposite side. When installing, exercise care not to damage top plate.



### **Operation:**

Expansion joints are designed and built for years of dependable service.

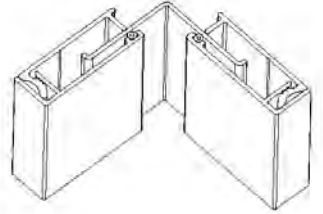
### **Maintenance:**

1. Expansion Joints should be cleaned routinely.
2. Exposed surfaces can be cleaned with a mild water-based cleaning solution. Wipe clean with a sponge or soft cloth.
3. Do not use steel wool or powdered abrasive cleaners as they will scratch the aluminum surface.
4. If any questions arise during the operation or maintenance of the products, please feel free to call our office for support.

# ENBW-###W Series Expansion Joint Systems (Corner)

## Prepare for Installation

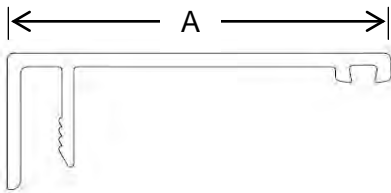
1. Locate the packing slip(s) and shop drawings.
2. Verify that all products listed on the packing slip are included in the package.
3. Check the products for damage. If products are damaged, report a freight claim immediately and leave the products in their packaging. If you sign for products without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



## Tools List:

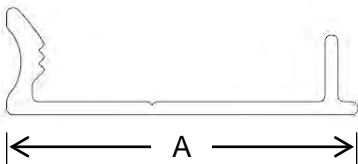
- Drill
- Level
- Chalk Line
- Chop Saw

## Parts List:

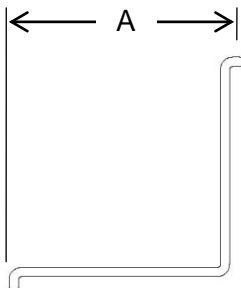


Model	P/N
GASKET	1309

Model	"A"	P/N
ENBW-100W	1.77	29465
ENBW-200W	2.77	29467

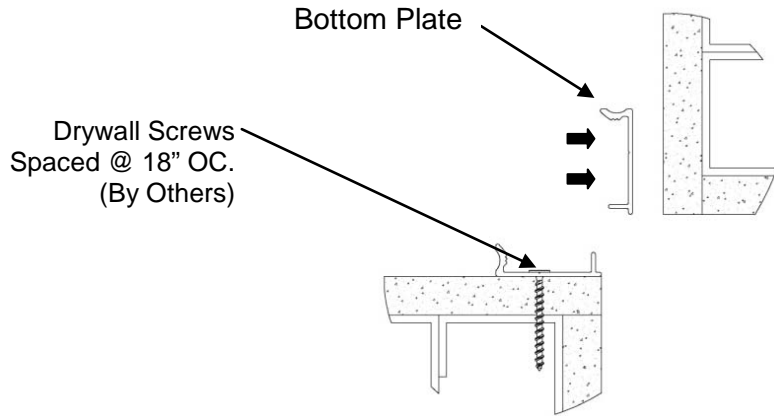


Model	"A"	P/N
ENBW-100W	1.71	29466
ENBW-200W	2.71	29468

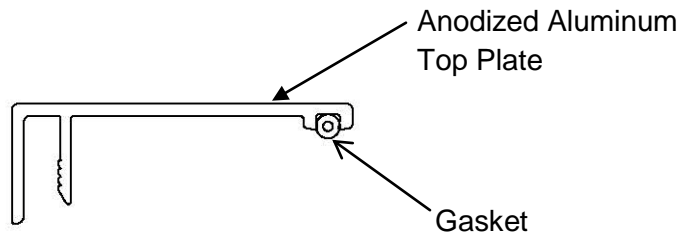


Model	"A"	P/N
ENBW-100W	1.55	29475
ENBW-200W	3.05	29476

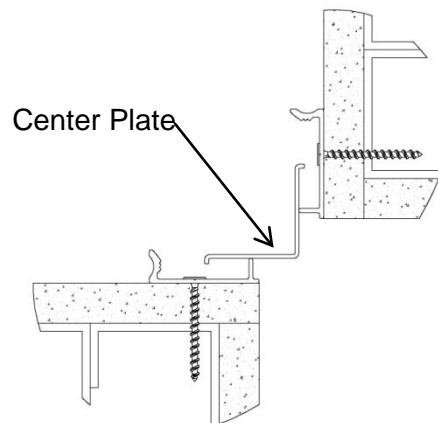
## Installation:



1. Position the bottom plate flush with the inside surface of the joint opening. Field drill holes thru the base extrusion and stud spaced 18 inches on center. After the holes have been drilled, fasten the base extrusion to the wall with drywall screws (by others). If required, fire barrier and moisture barrier should be installed at this time.

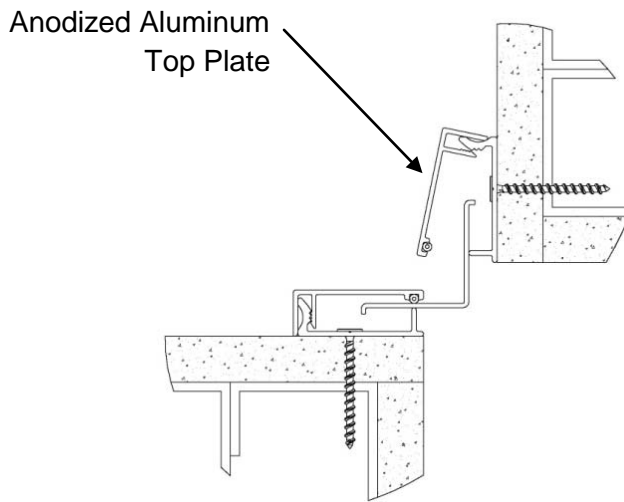


2. Cut Gasket material to length and push the gasket into the groove on the top plate.

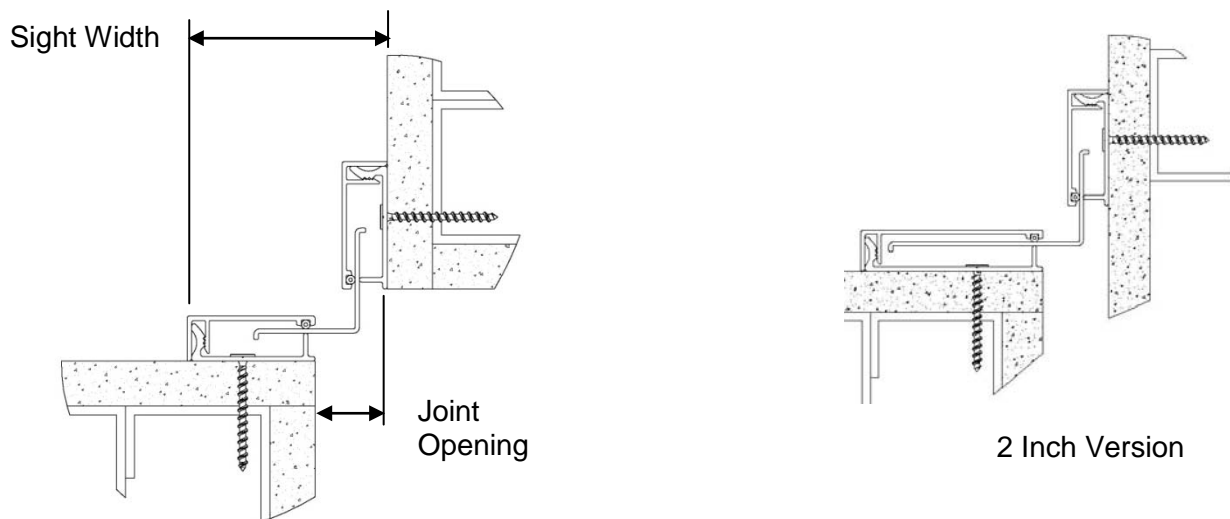


3. Place center slide plate into position against the adjacent bottom plates.





- Align aluminum top plate with gasket material in front of bottom plate. Using the palm of your hand, gently tap aluminum top plate onto the aluminum bottom plate. It should click into place all along the length of the top plate. Repeat on opposite side. When installing, exercise care not to damage top plate.



### Operation:

Expansion joints are designed and built for years of dependable service.

### Maintenance:

- Expansion Joints should be cleaned routinely.
- Exposed surfaces can be cleaned with a mild water-based cleaning solution. Wipe clean with a sponge or soft cloth.
- Do not use steel wool or powdered abrasive cleaners as they will scratch the aluminum surface.
- If any questions arise during the operation or maintenance of the products, please feel free to call for assistance (716-542-3991)



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) “ENBW”, “ENBW-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 • [www.eriemetal.com](http://www.eriemetal.com) • [sales@eriemetal.com](mailto:sales@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.



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)

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 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 EMS, Expansion Control System, Model "ENBW" or the "ENBW-W" as manufactured as indicated on drawings.

#### 2.02 Components and Materials

- A. Exposed Upper Face Component:

Material shall be extruded aluminum conforming to properties of ASTM B221 alloy 6063-T5.



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)

B. Lower Base Component:

Material shall be extruded aluminum confirming to properties of ASTM B221 alloy 6063-T5.

C. Center 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 standard polyvinylchloride extruded profile.

F. 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.

G. Accessories - Provide necessary and related parts required for complete installation.

H. 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.

## 2.04 Finishes

A. Exposed Upper Edge Component and Center 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.



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)

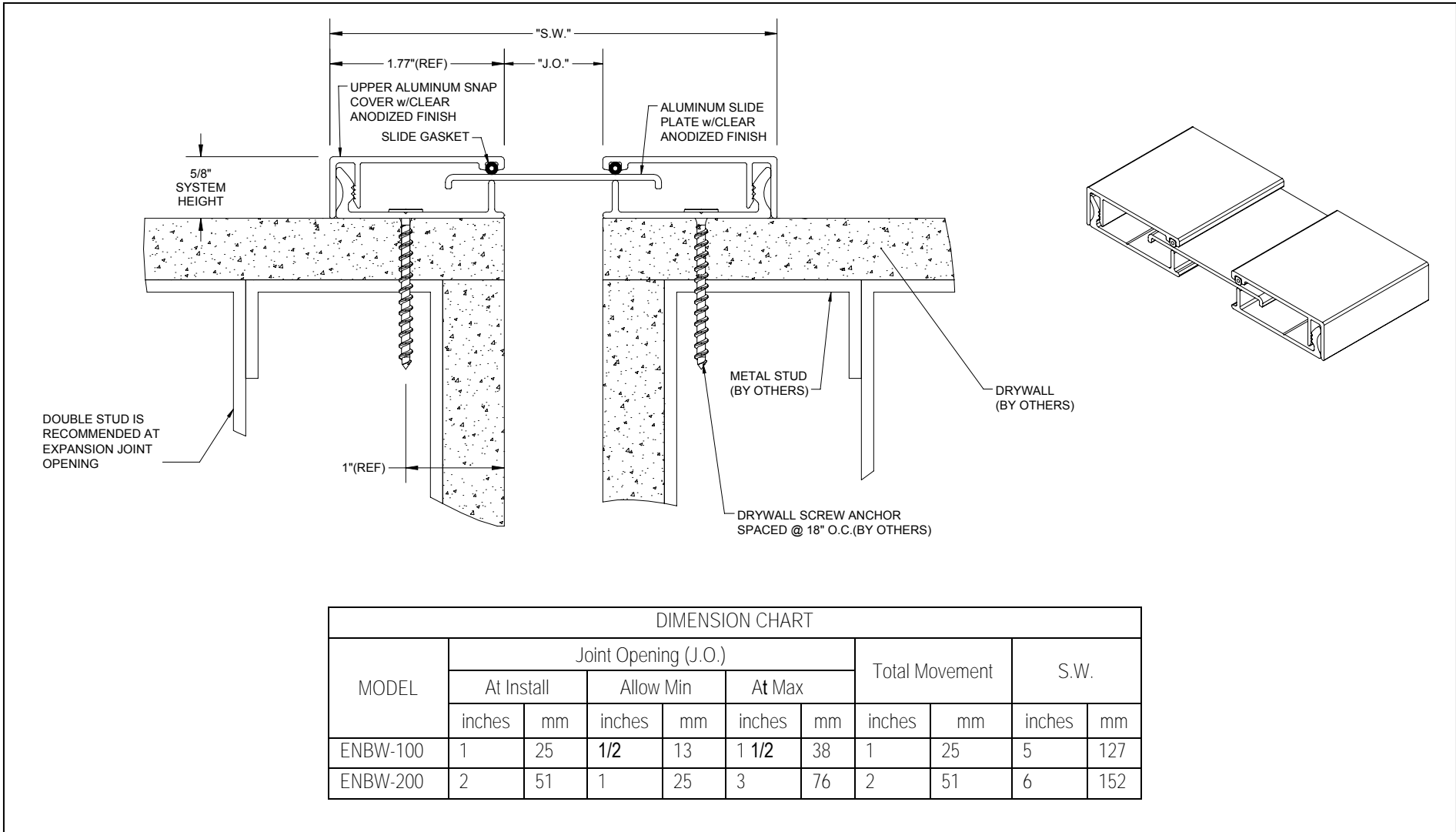
## **PART 3 – EXECUTION**

### **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.



DIMENSION CHART											
MODEL	Joint Opening (J.O.)						Total Movement		S.W.		
	At Install		Allow Min		At Max		inches	mm	inches	mm	
	inches	mm	inches	mm	inches	mm					
ENBW-100	1	25	1/2	13	1 1/2	38	1	25	5	127	
ENBW-200	2	51	1	25	3	76	2	51	6	152	

NO.	Description	Date	By
<p>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.</p>			



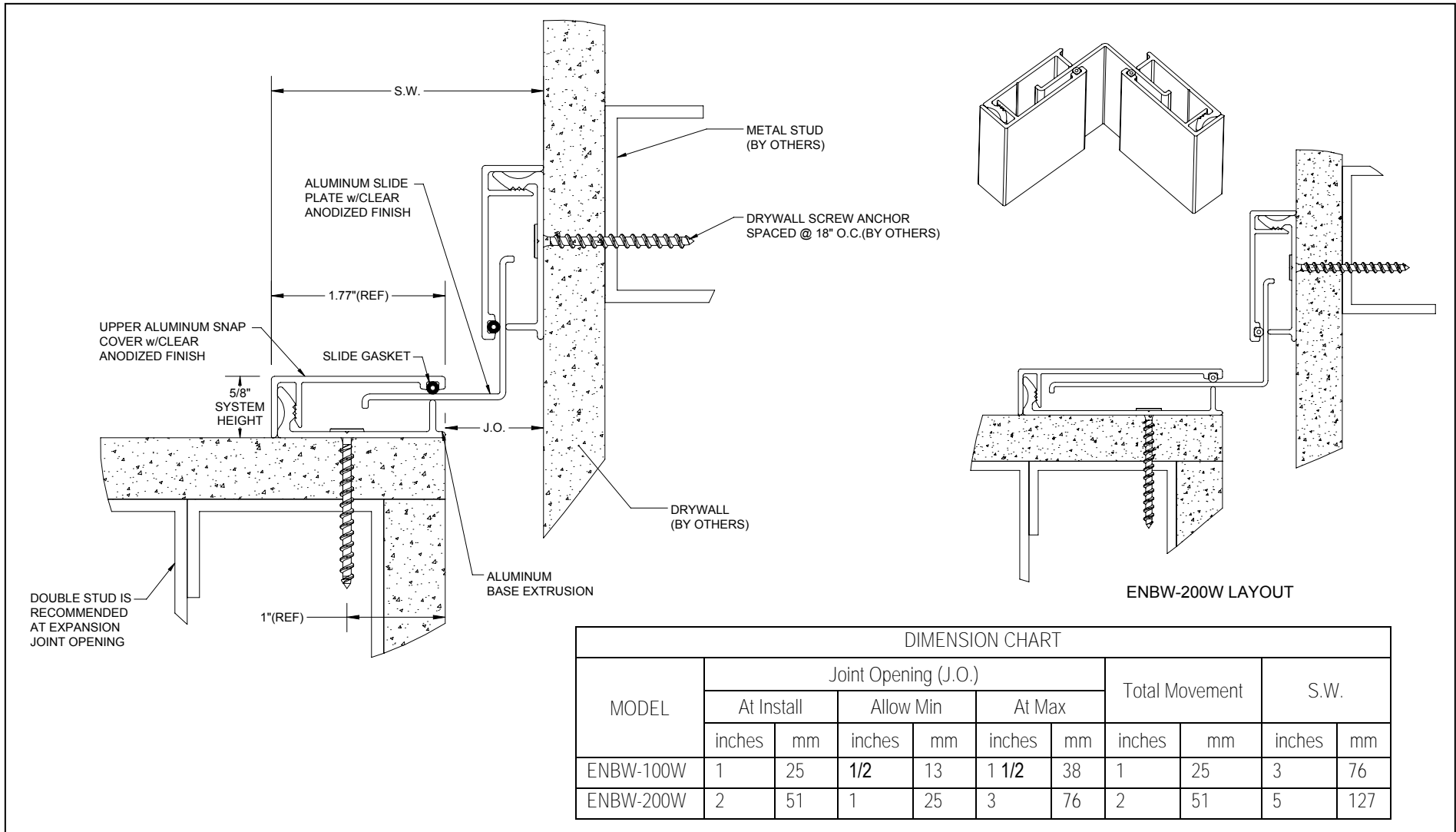
13311 Main Road • Akron • New York • 14001  
 Phone: (716) 542-3991 • Fax: (716) 542-3996 • E-mail: sales@eriemetal.com

**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.:



DIMENSION CHART										
MODEL	Joint Opening (J.O.)						Total Movement		S.W.	
	At Install		Allow Min		At Max		inches	mm	inches	mm
	inches	mm	inches	mm	inches	mm				
ENBW-100W	1	25	1/2	13	1 1/2	38	1	25	3	76
ENBW-200W	2	51	1	25	3	76	2	51	5	127

NO.			
<p>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.</p>			



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

**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.: