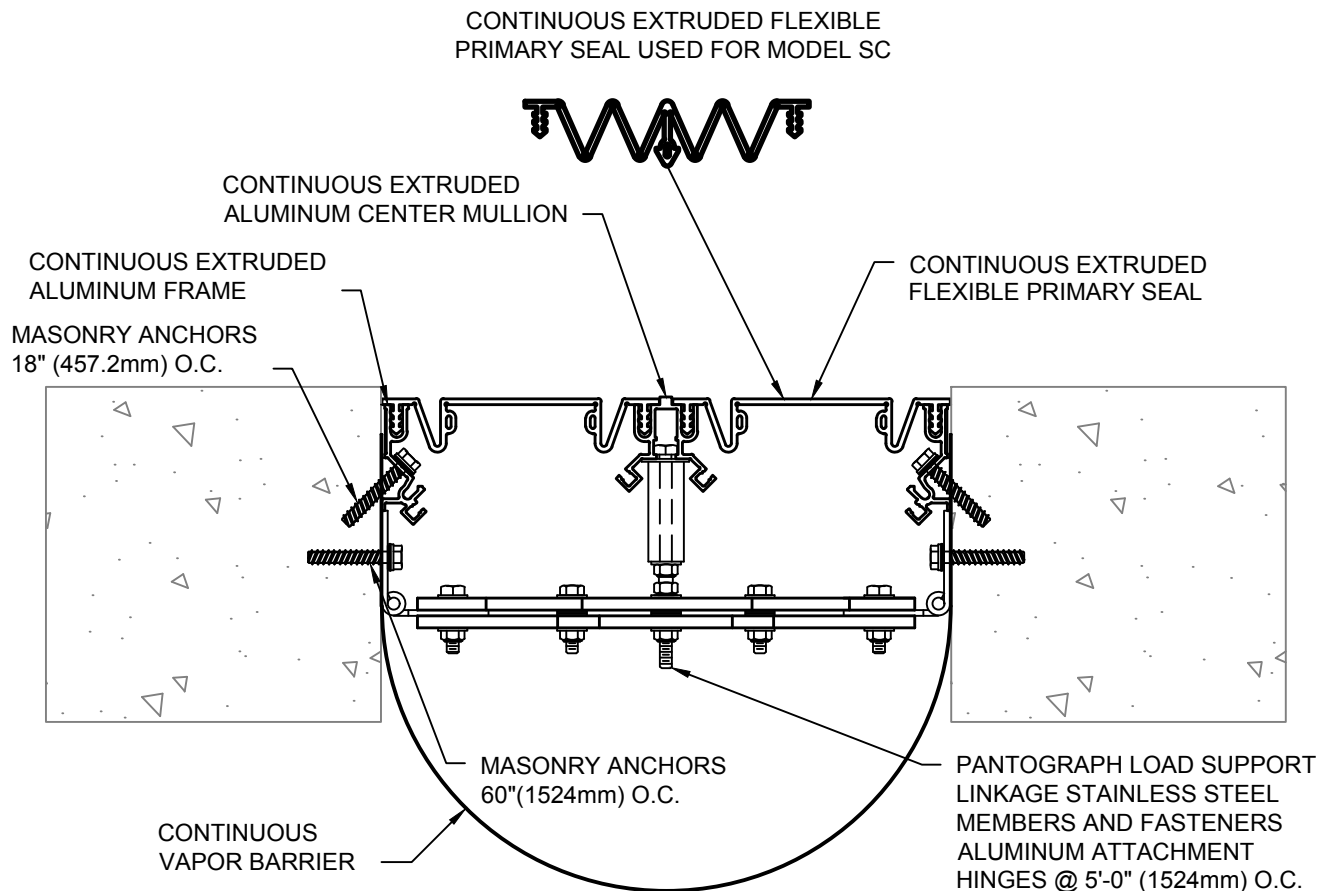


MODEL SF/SC-1200 THRU 2400 INSTALLATION INSTRUCTIONS



IMPORTANT INFORMATION

Prior to the commencement of Installation, all materials **MUST** be inspected for Damage. Any damage must be reported to CONSTRUCTION SPECIALTIES, INC., as soon as possible, so that replacement materials may be furnished without delay.

All work must be completed as per Architect's Approved "Shop Drawings", and in accordance with these Installation Instructions. When installation is complete, all materials must be protected from damage until the Architect's FINAL INSPECTION.

All materials should be arranged in the order that they are to be installed. All hardware required for each portion of the work should be placed with the appropriate materials.

Please review all Approved Shop Drawings and this Document to familiarize yourself with all the details and components of this assembly.

IMPORTANT:

READ THROUGH ALL INSTRUCTIONS PRIOR TO STARTING INSTALLATION

2/27/17



Construction Specialties™

6696 Route 405 Highway, Muncy PA 17756
(800) 233-8493 Fax (570) 546-5169 www.c-sgroup.com

This document is the property of Construction Specialties, Inc. and contains CONFIDENTIAL PROPRIETARY INFORMATION that is not to be disclosed to third parties and is not to be used without approval in writing from Construction Specialties, Inc.

Notes:

Before beginning installation, review the architectural drawings and approved Construction Specialties Inc. shop drawings to familiarize yourself with the joint cover models and locations.

Check all of the joint cover components to confirm that the correct joint cover model and size have been received. Also, check for materials that may have been damaged during shipping. Report all incorrect and/or damaged components to CS at 800-233-8493.

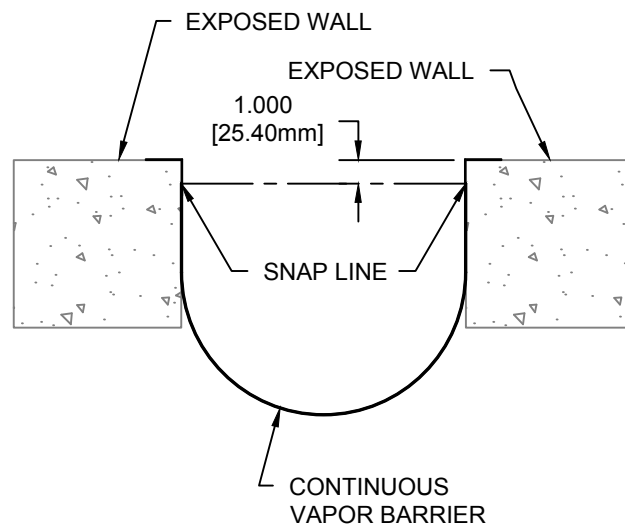
Read through all the steps of these instructions prior to beginning work.

STEP 1

VAPOR BARRIER INSTALLATION

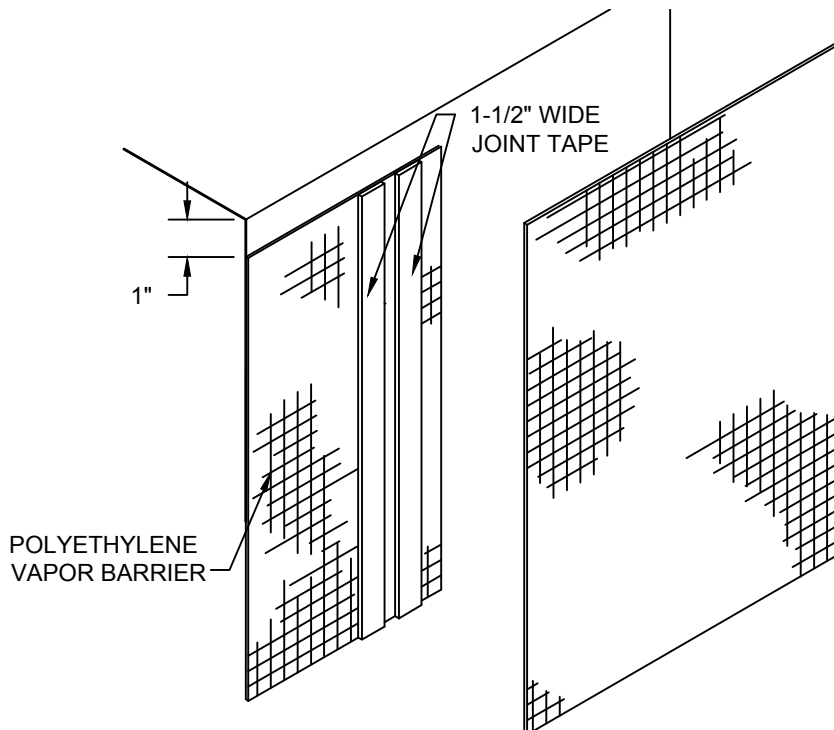
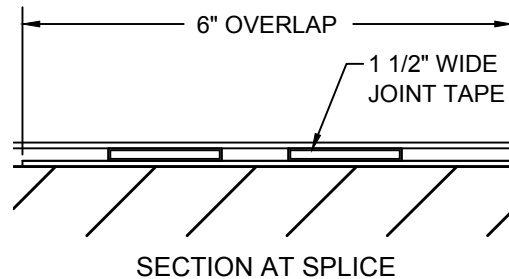
Step 1:

1. Vapor Barrier must be installed in conjunction with Expansion Joint Cover Framework.
2. Prior to starting installation prepare the face of the slabs by removing any loose debris, oil, or grease.
3. Before beginning installation extra Vapor Barrier material should be allowed for transitioning from one run to another, where required.
4. The Vapor Barrier should be recessed 1" from the surface of the Exposed Walls. A line should be snapped on each side for reference.
5. During the installation the Vapor Barrier material can be held in place using construction tape while splicing is performed.



STEP 1 CON'T

VAPOR BARRIER INSTALLATION



Splicing Instructions:

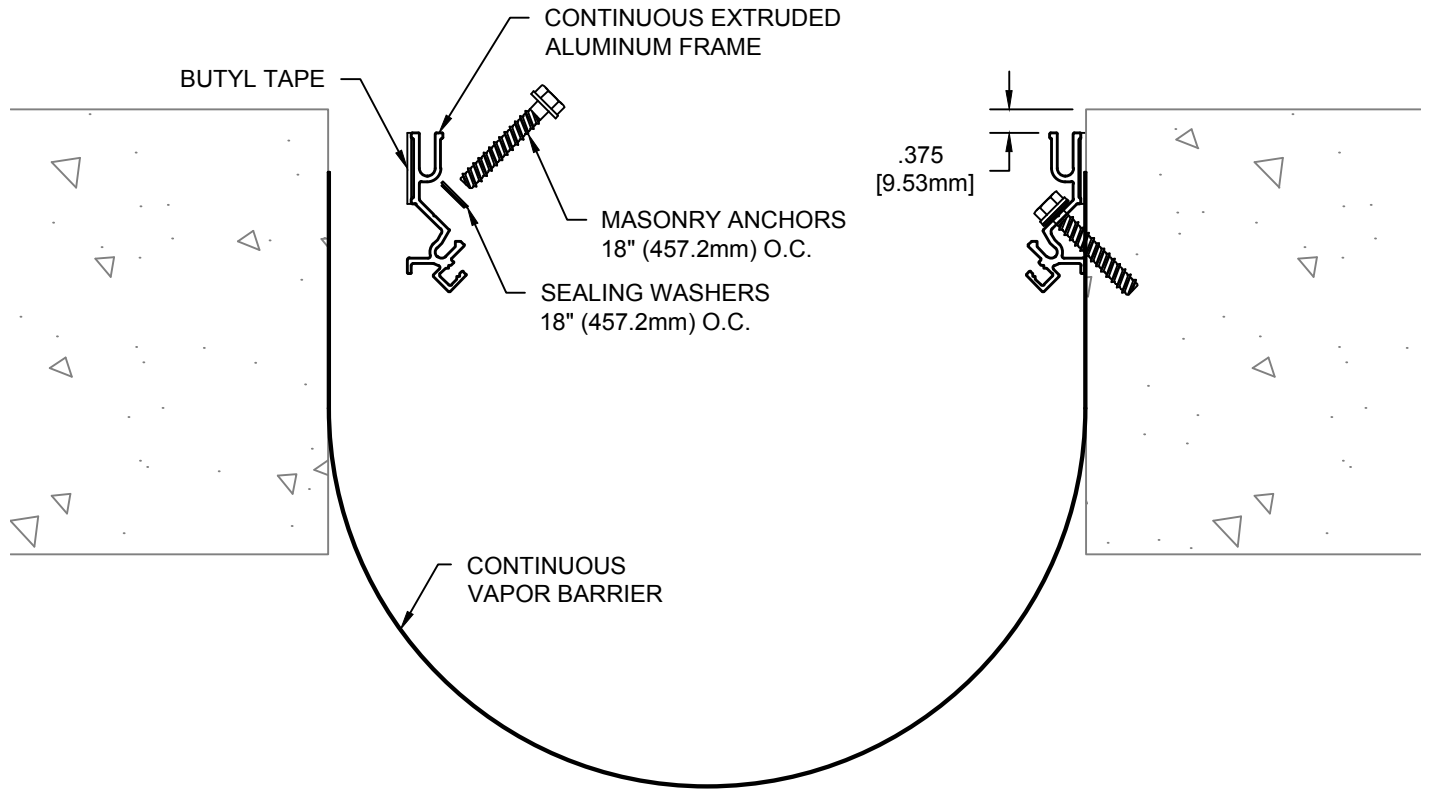
1. Mount one side of the Vapor Barrier allowing the proper amount of material for the installation conditions associated with the cover type.
2. Clean dust and debris from the surface of the water stops to be adhered.
3. Cut (2) lengths of CS supplied 1 1/2" Wide Joint Tape, equal to the width of the Vapor Barrier drape leaving the area clear that is to be under any framework.
4. Apply the first piece of joint tape 1 1/2" from the edge of the end of the Vapor Barrier to be spliced. Apply the second piece 1/2" to 3/4" apart and parallel to the first. DO NOT REMOVE THE PAPER BACKING.
5. Position the next section of Vapor Barrier to overlap the previous section by 6".
6. Remove the paper backing from the joint tape and press the adjoining section of the Vapor Barrier onto the tape creating a watertight seal.
7. Splice joint is complete, continue installation.

IMPORTANT NOTE:

Joint tape adheres instantly to the Vapor Barrier and is very difficult to remove. Use caution when placing joint tape and aligning Vapor Barrier splice.

STEP 2

FRAME INSTALLATION

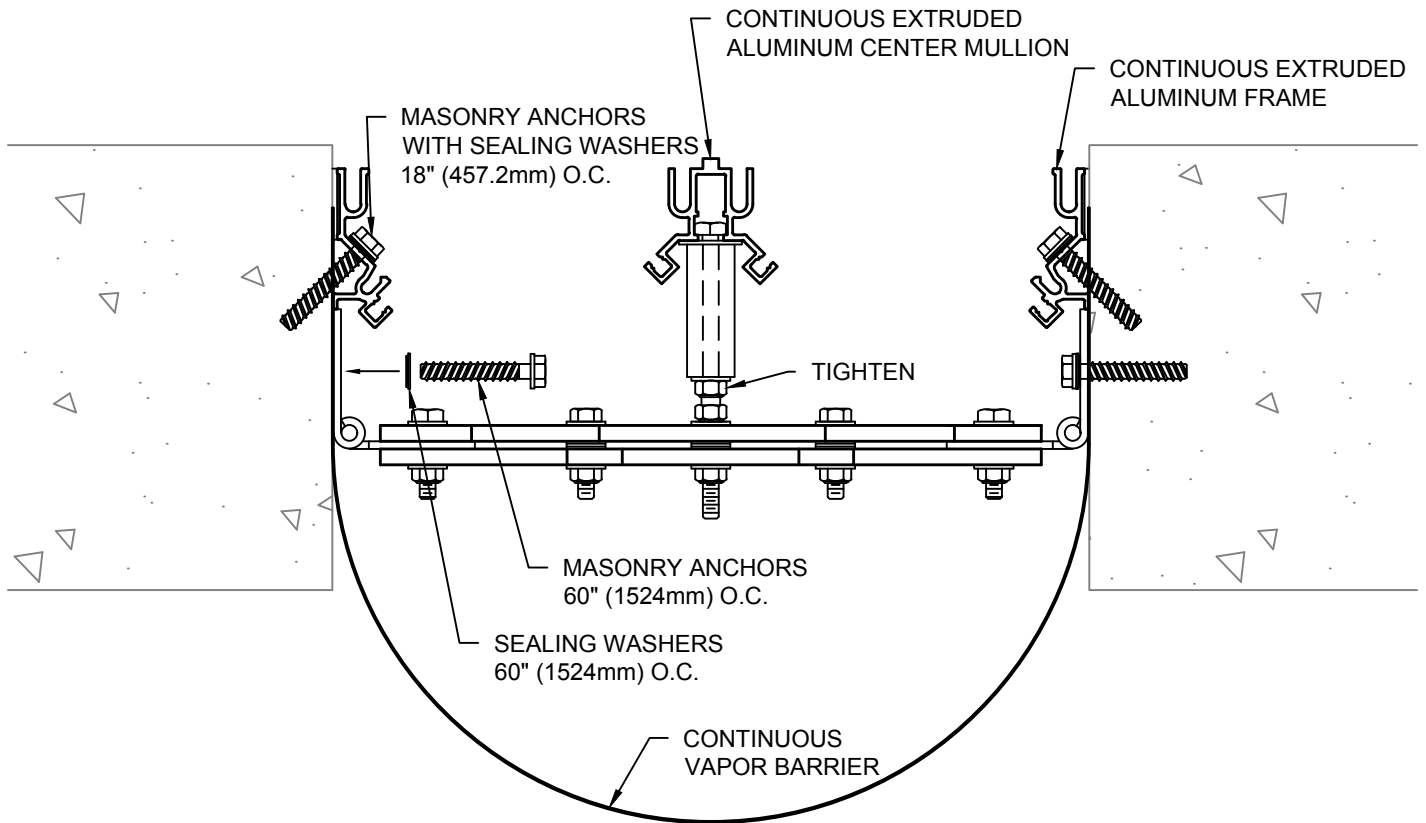


STEP 2:

1. Begin installation of Frames by placing a length of the Frame next to the joint. Cut Frame to length as needed.
2. Apply the CS supplied Butyl Tape to the back side of the Frames (see detail above).
3. Beginning at one end of the run, peel the paper backing off the Butyl Tape and seat the Frame at the appropriate location in the joint (see detail above). Note: Butyl Tape should overlap the lead edge of the Vapor Barrier to create a seal.
4. Using the Frame as a template, drill holes for the CS supplied Anchor Bolts. The holes are to be drilled with the appropriate size and type of drill bit as indicated by the manufacturer of the Anchor Bolts, as supplied by CS.
5. Anchor the Frames with the CS supplied Anchor Bolts following the manufacturer's guidelines.
6. Repeat the installation procedures for the opposite side of the joint and for any additional lengths of Frame.
7. Each Aluminum Frame is double punched to accept either a masonry anchor or a TEK screw depending on the field condition. All holes that do not receive a fastener, all frame butt joints, and all center mullion butt joints should be caulked with the CS supplied Sikaflex 1A.

STEP 3

PANTOGRAPH SUPPORT INSTALLATION



STEP 3:

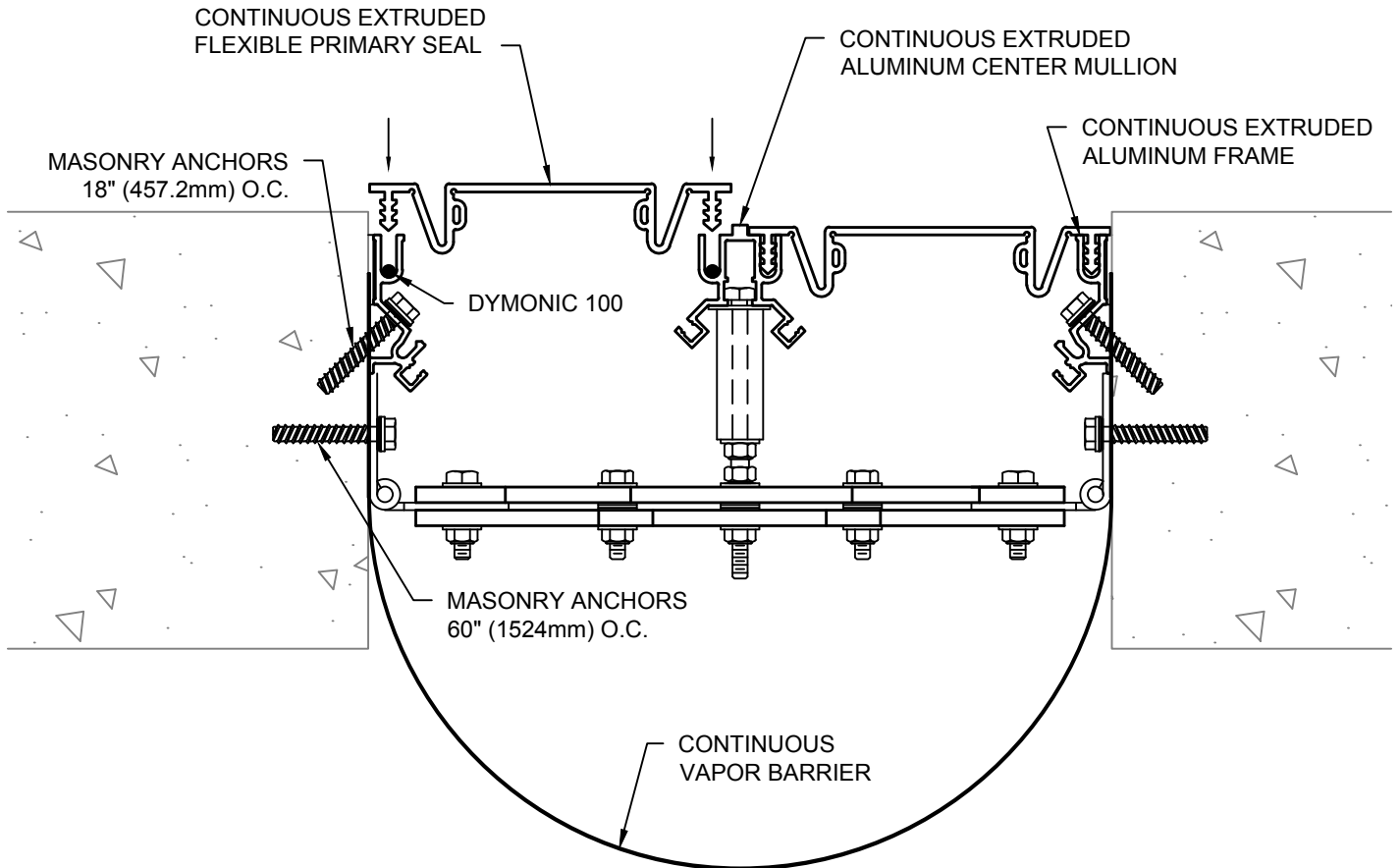
1. Begin installation of Pantograph Support by attaching the Pantograph Support Assemblies to the Continuous Aluminum Center Mullion at the center spacing required for installation. The Pantograph center bolt is slid into the bolt slot of the Center Mullion and secured into place by tightening the nut indicated above.
2. Position the Pantograph/Center Mullion in the joint as shown. Butt legs of the hinges against the back of the Aluminum Frames for proper depth.
3. Using the Pantograph Support Assemblies as a template, mark and drill holes for the CS supplied Anchor Bolts. The holes are to be drilled with the appropriate size and type of drill bit as indicated by the manufacturer of the Anchor Bolts, as supplied by CS.
4. Anchor the Pantograph Support Assemblies with the CS supplied Anchor Bolts following the manufacturer's guidelines. (Note: Be sure to use the CS supplied Sealing Washers with the Anchor Bolts.)
5. Repeat the installation procedures for all Pantograph Support Assemblies until all Pantographs are installed for the entire run of the Expansion Joint Cover. (Note: See Step 6 for Center Mullion splicing.)

STEP 4

PRIMARY SEAL INSTALLATION



CONTINUOUS EXTRUDED FLEXIBLE
PRIMARY SEAL USED FOR MODEL SC



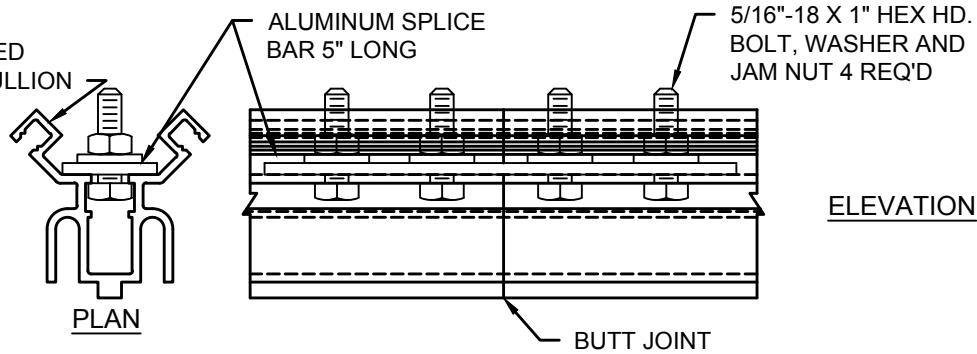
STEP 4:

1. Prior to installation of the primary seal, place a 1/8" to 3/16" bead of CS supplied Dymonic 100 Sealant into the Primary Seal receiver slot . Application of the Sealant will aid in the installation of the Seal as well as the weather resistance of the joint.
2. Cut a length of Primary Seal as needed for the run. (See Step 5 for Cutting and Splicing Instructions)
3. Starting at the top of the run, install the Primary Seal into the Center Mullion and then into the side Frames by pushing the Seal tabs into the receiver slots (see detail above). A rubber mallet and wood block may be used to seat the Primary Seal against the front of the frames.
4. Repeat the Primary Seal installation procedures on the opposite side of the joint and for any additional lengths of Seal. (See Step 5 for splicing instructions.)

STEP 5

SPLICE DETAILS

CONTINUOUS EXTRUDED ALUMINUM CENTER MULLION

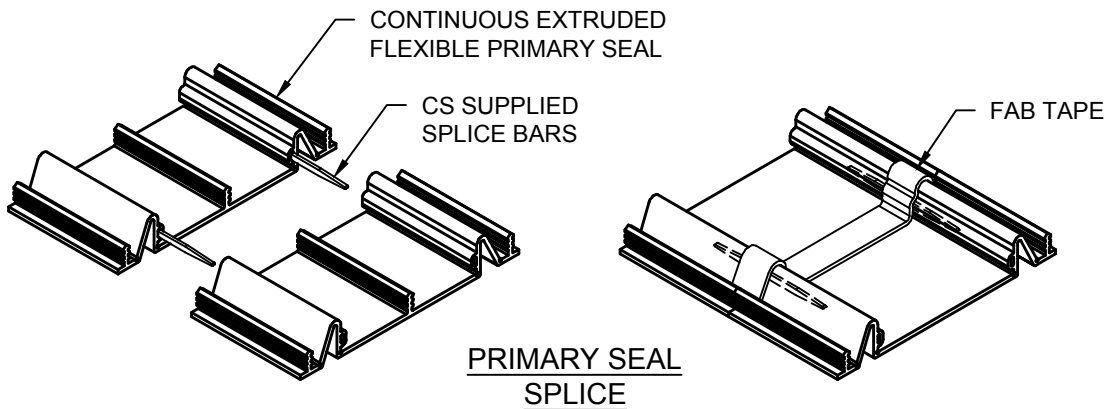


Step 5:

Center Mullion Splice:

1. Place (4) 5/16"-18 x 1" Hex Bolts through the 5" long Splice Bar. Loosely place a 1" Flat Washer and Jam Nut onto each Bolt.
2. Insert the heads of two Bolts into the top end of one Center Mullion and the other two Bolts into the bottom of the adjacent Center Mullion.
3. Butt the ends of the Center Mullions together and tighten the Nuts.

CENTER MULLION SPLICE



Cutting the Seal:

4. Determine the length of Seal required for the applicable area and measure and mark the Seal.
5. Place the Seal with the location to be cut into a miter box and flood the gasket area to be cut with water to lubricate the hacksaw blade.
6. Using a hacksaw and the CS supplied serrated hacksaw blade, make the cut using long strokes while applying downward force when cutting. The cut should be made with as few strokes as possible in order to prevent a ragged edge on the Seal.

Splicing:

7. Wipe the surface of the Splice Bars and the ends of the Seals to be bonded with alcohol (or similar) to remove all dirt, moisture, and oils that might affect the bond.
8. When appropriate, apply the 3M Scotch Weld Adhesive to half of each Splice Bar. Insert only the portion of the Splice Bar with Adhesive into the Splice Bar slot of one of the Seals. Important: Please observe the safety precautions on the Adhesive container!
9. Apply the 3M Scotch Weld Adhesive to the entire cut surface of the Seal and the remaining portion of the Splice Bar.
10. Align the two ends of each Seal, insert the Splice Bar into the opposite Seal and bring the ends of the Seal together. Apply pressure against the ends of the Seals until the Adhesive has set.
11. Once the Adhesive has cured, cut a piece of the Fab Tape that is wide enough to span across the entire width of the backside of the Seal splice. Place the Tape so that it is centered over the butt joint and press the Tape firmly against the back of the Seal to work the Tape into all voids to create a watertight seal.