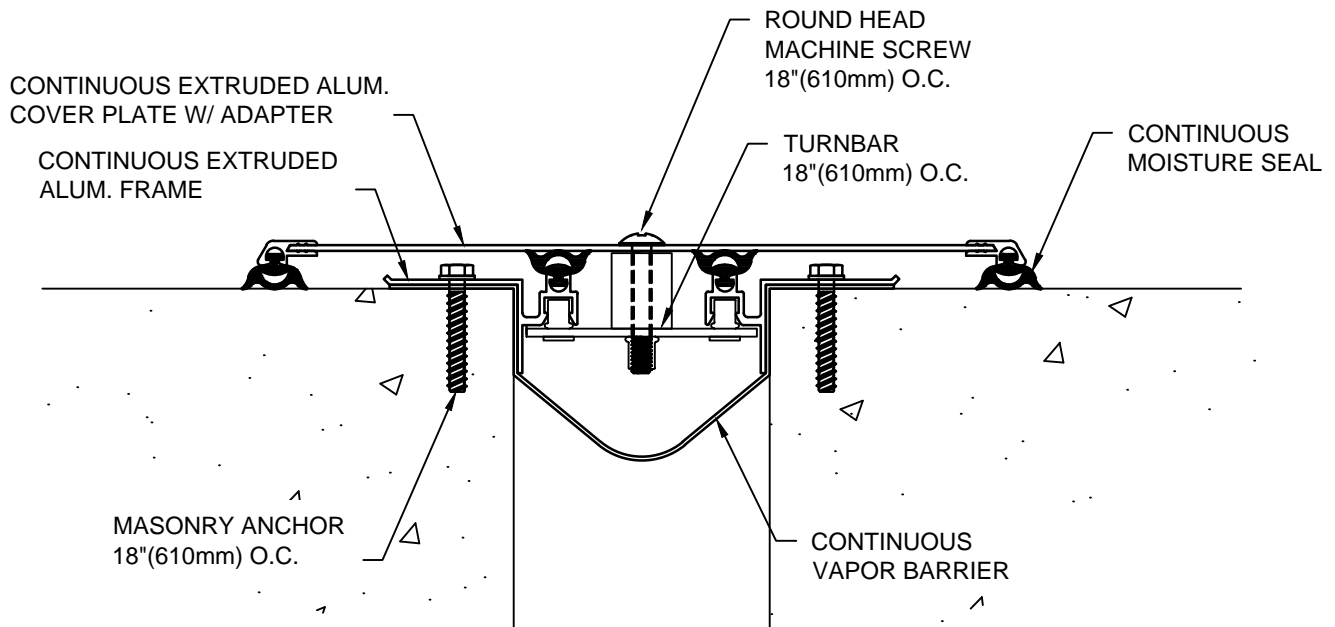
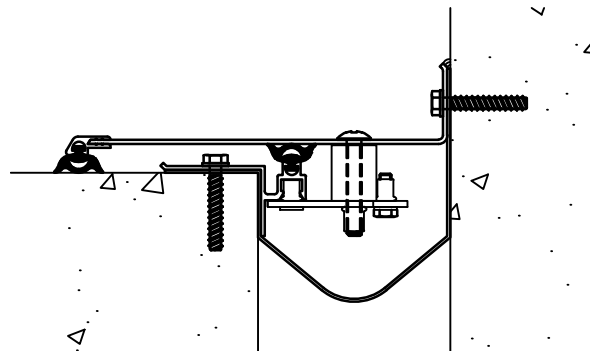


MODEL ESW/ESC 400 THRU 1600 INSTALLATION INSTRUCTIONS



MODEL ESW



MODEL ESC

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

12/5/11



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:

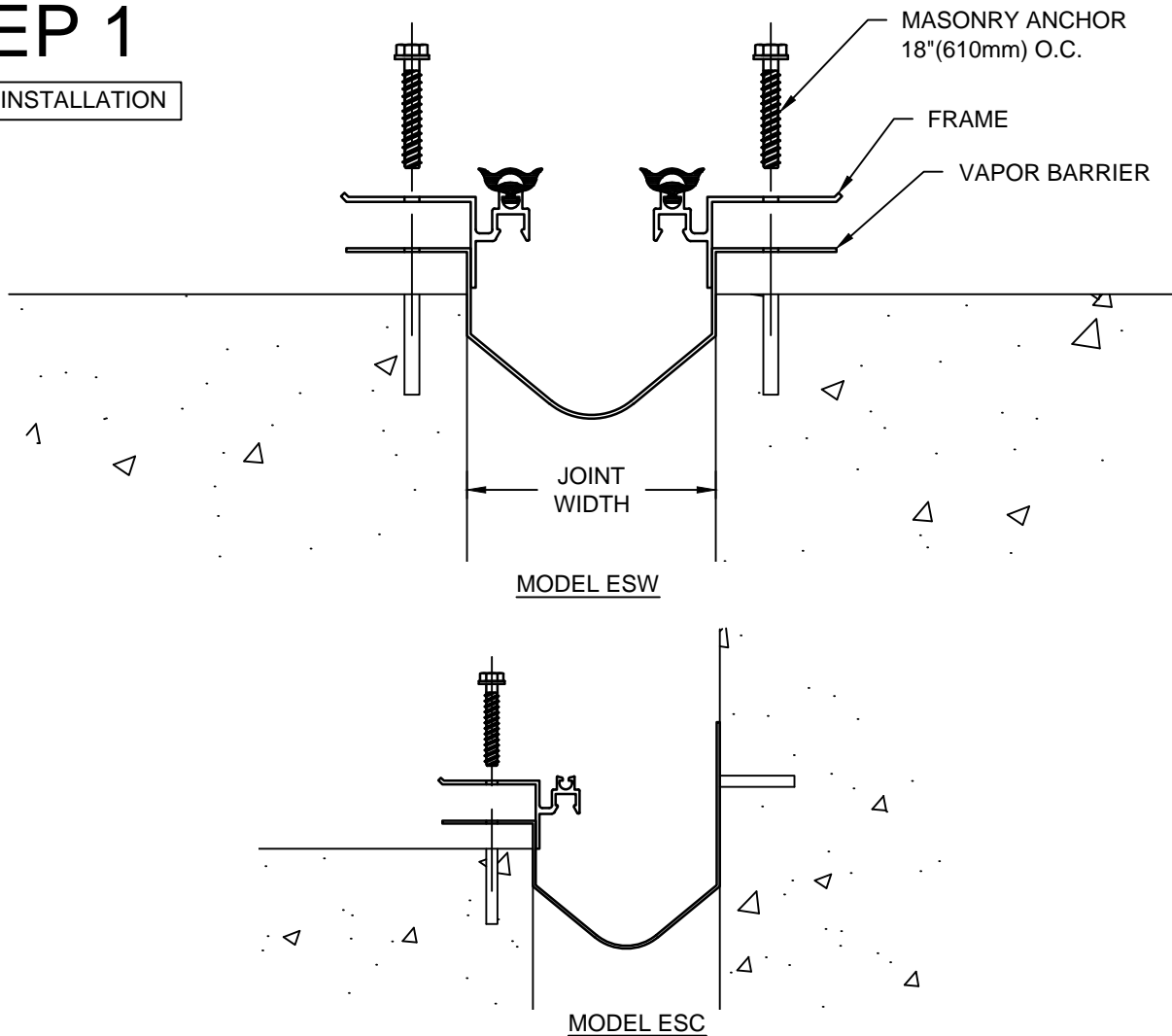
Before beginning installation, review the architectural drawings and approved Construction Specialties Inc. shop drawings to familiarize yourself with the joint cover models and locations.

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 C/S at 800-233-8493.

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

STEP 1

FRAME INSTALLATION



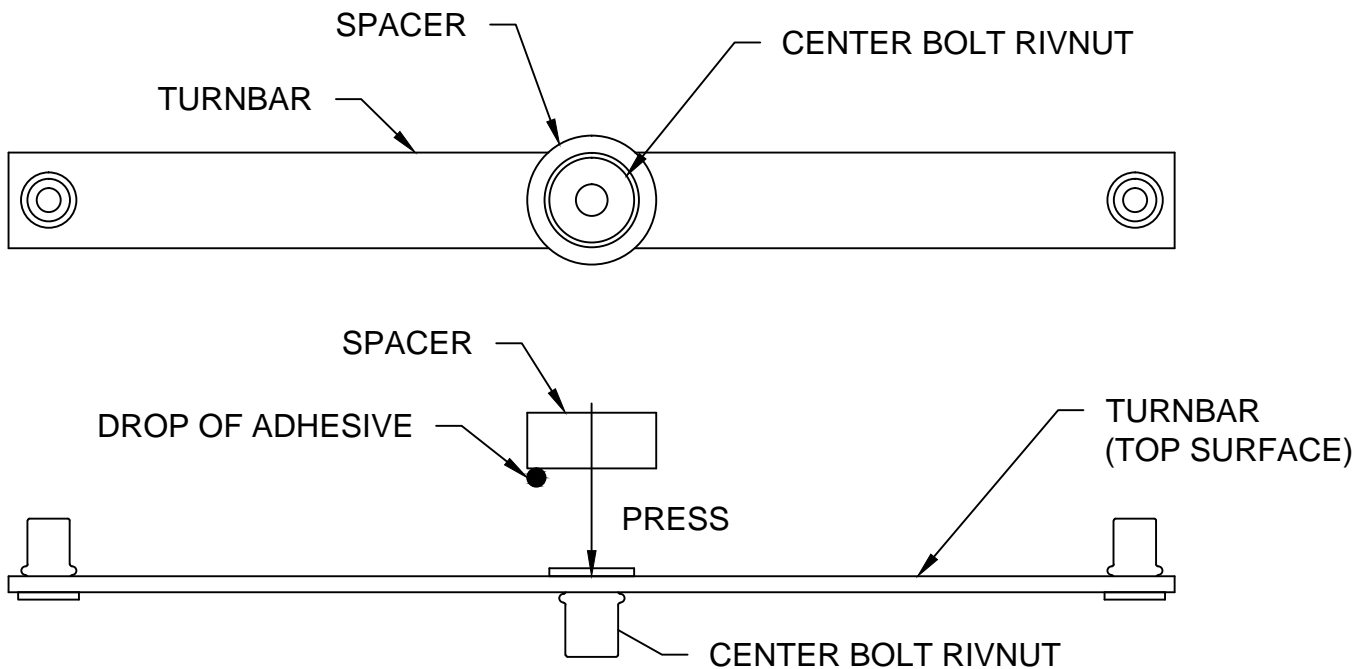
Note:

If a C/S Fire Barrier is to be installed in the joint, please review the Fire Barrier Installation Instructions supplied, and if required install the Fire Barrier **BEFORE** installation of C/S Seismic Expansion Joint Aluminum Frames. If a Vapor Barrier is to be installed in the joint, please review the Vapor Barrier Installation Instructions supplied, and if required install the Vapor Barrier **BEFORE** installation of C/S Seismic Expansion Joint Aluminum Frames.

- 1.1) Begin installation of the Frame by placing a length of Frame onto the edge of the joint. Cut the Frame to length as needed. The Frame is to sit level, flat and parallel to the edge of the joint.
- 1.2) Using the Frame as a template, mark the locations for the anchor bolts. Remove the Frame and drill the holes for the 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 C/S.
- 1.3) Reposition the Frame and anchor the Frame to the wall with the C/S supplied anchor bolts following the manufacturer's guidelines.
- 1.4) Repeat the installation procedures for any additional lengths of Frame or the Frame at the opposite side of the joint if required.

STEP 2

SPACER INSTALLATION



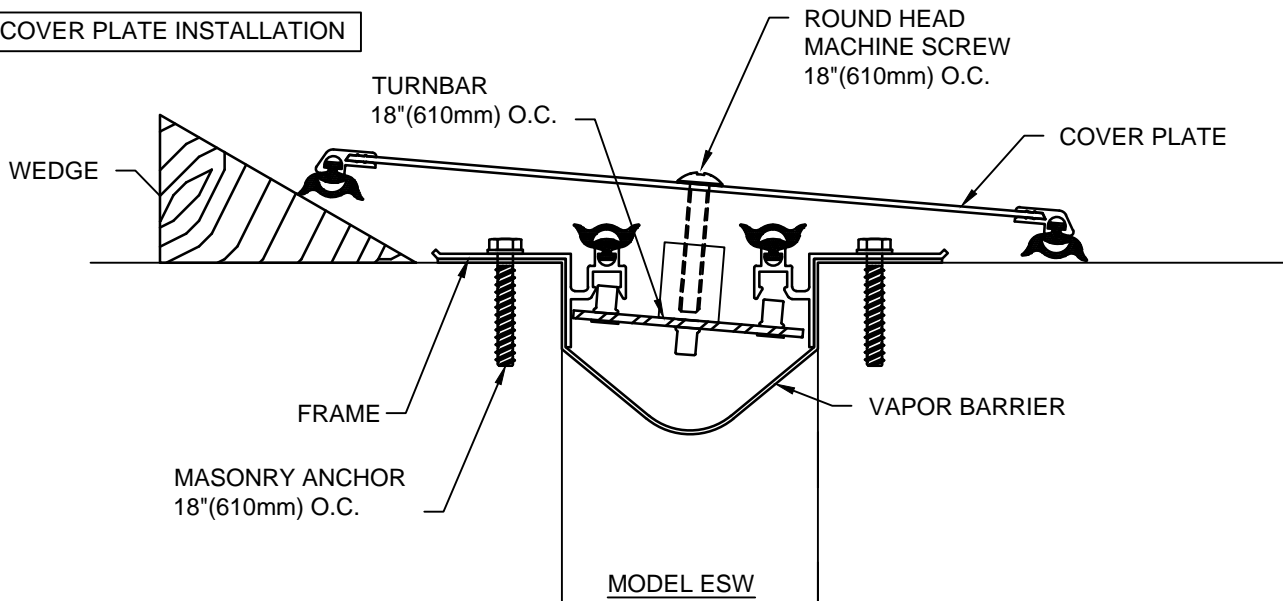
Step 2:

- Note:
- A Spacer must be placed between the Turnbar and the underside (or backside) of the Cover Plate. The Spacer is used to prevent excess bowing of the Turnbars when the center bolt is tightened. (Some bowing of the Turnbars is required to apply the holding force on the Cover Plate.)
 - Model ESC-400 through 600 does not require turnbar installation. Skip to Step 3; instructions at the bottom of the page.

- 2.1) Place a small drop of instant adhesive (not supplied) onto one end of a Spacer.
- 2.2) Position the end of the Spacer with the adhesive against the top surface of the Turnbar, centered over the flat head portion of the Center Bolt Rivnut (see detail above).
- 2.3) Press firmly for a few seconds until the Spacer is bonded to the Turnbar.

STEP 3

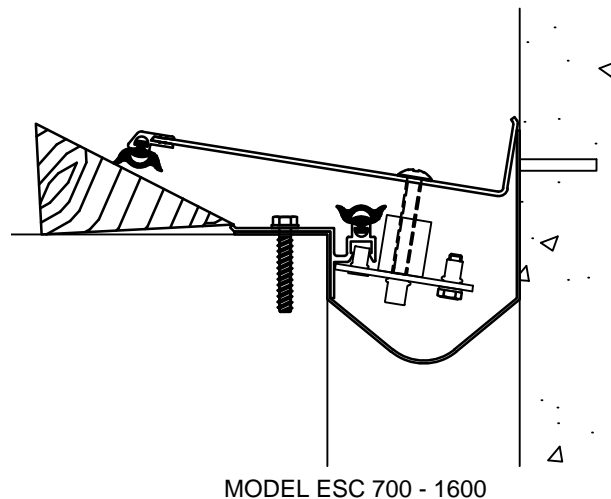
COVER PLATE INSTALLATION



- 3.1) Prepare the Cover Plate for installation by first cutting the Plate to length as needed.
- 3.2) Attach a Turnbar to the backside of the Cover Plate at each hole location. (Note the orientation of the Turnbar in the detail above.) Thread a machine screw only approx. 1/4" into the Turnbar for now.
- 3.3) Place the Cover Plate/Turnbar Assembly against one side of the Seismic Expansion Joint at an angle that will allow hand penetration behind the Cover Plate. With the Cover Plate in this position, reach behind the Cover Plate and locate the pivot pin of the end Turnbar into the pivot pin receivers of the Frame on each side of the joint.
- 3.4) Slide a wedge block beneath the Cover Plate to hold the Turnbar securely into position.
- 3.5) Repeat this procedure with the Turnbar at the opposite end of the Cover Plate.
- 3.6) Locate each of the remaining Turnbars into position, then progressively tighten all machine screws until the Cover Plate is securely fastened onto the Frame system. **(Note: The Turnbars must be angled the same direction to allow for movement.)**
- 3.7) Repeat these procedures for any additional lengths of Cover Plate if req'd. Refer to splicing details at Step 4.

Note: If installing an ESC 400 - 600 a turnbar is not required, and the following steps should be followed to install the cover plate.

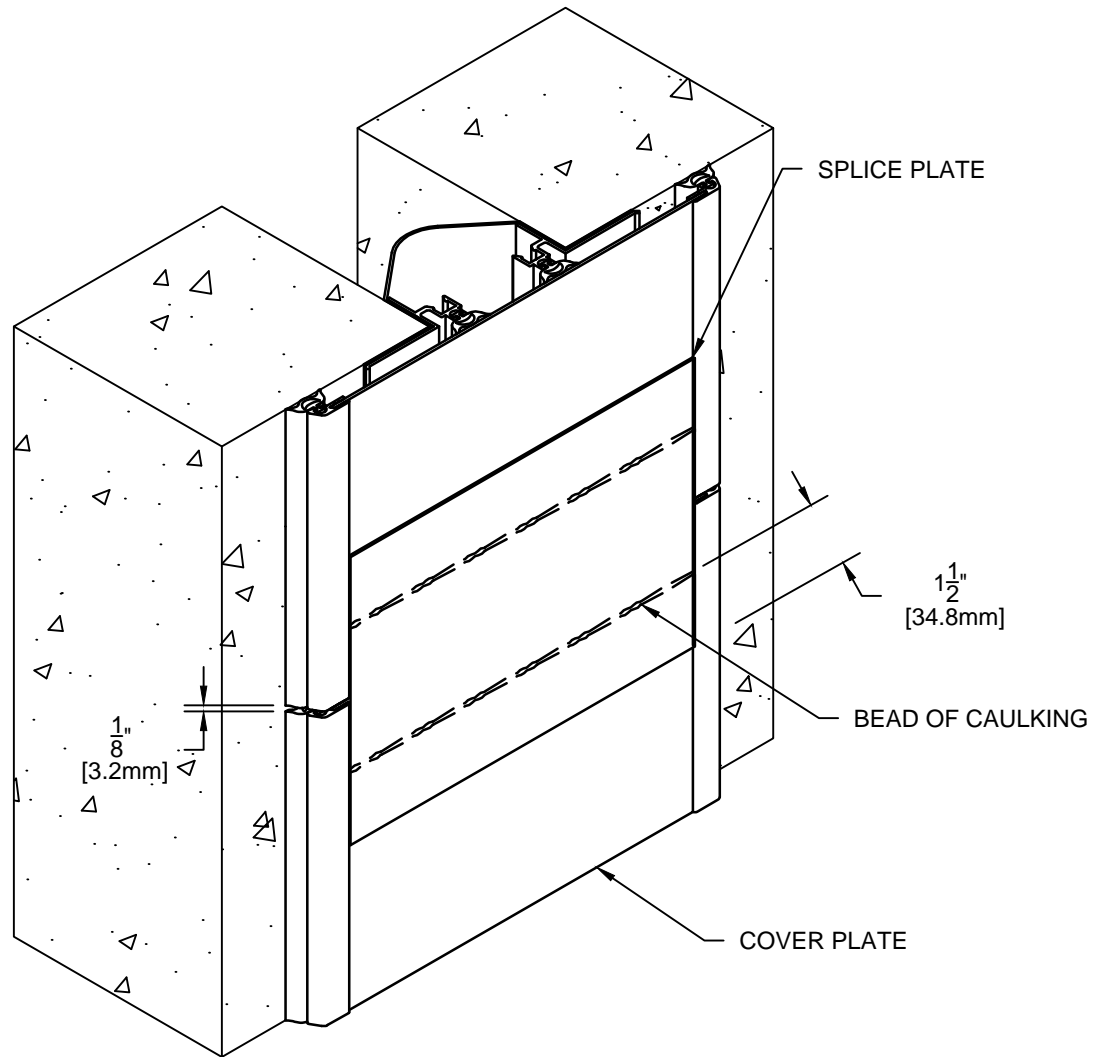
- 3.1a) Prepare the Cover Plate for installation by first cutting the Plate to length as needed.
- 3.2a) Using the Cover Plate as a template, mark the locations for the anchor bolts. Remove the Cover Plate and drill the holes for the anchor bolts. The holes are to be drilled with the appropriate size and type of drill bit as indicated by the manufacturer of the anchor bolts, as supplied by C/S.
- 3.3a) Reposition the Cover Plate and anchor it to the wall with the C/S supplied anchor bolts following the manufacturer's guidelines. Be sure that the C/S supplied Vapor Barrier remains behind the vertical leg of the Cover Plate throughout installation.
- 3.4a) Repeat these procedures for any additional lengths of Cover Plate if req'd. Refer to splicing details at Step 4.



MODEL ESC 700 - 1600

STEP 4

SPLICING DETAILS

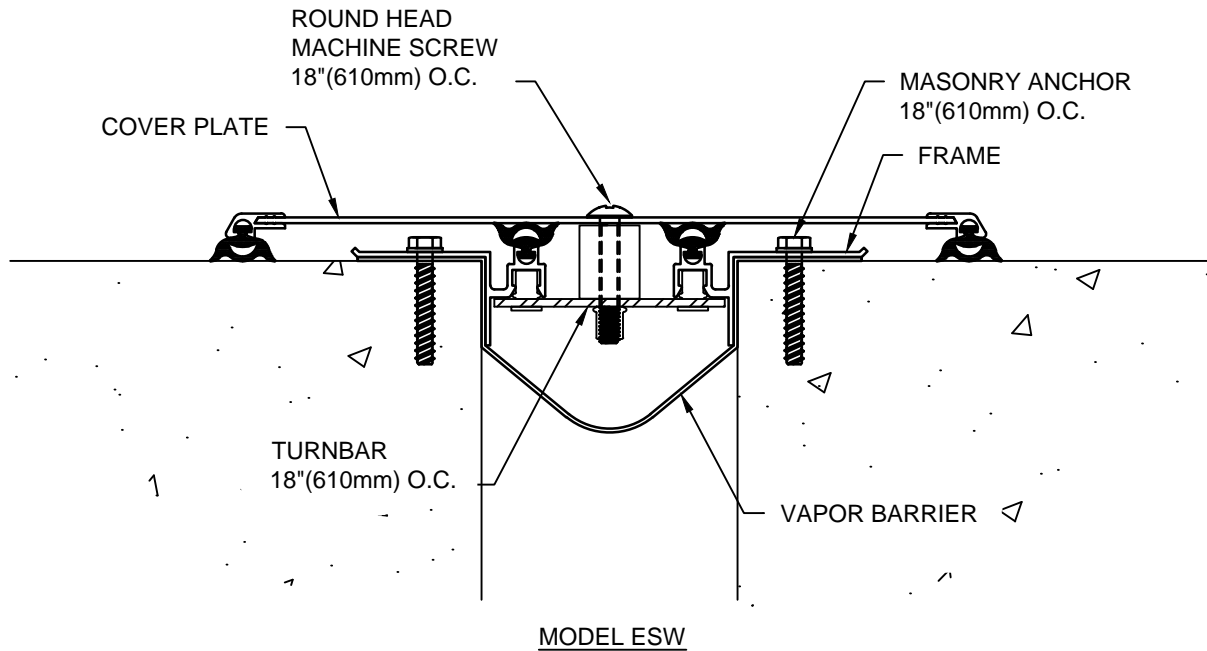


Note: Allow a 1/8" gap between lengths of Cover Plate.

- 4.1) Apply a 1/4" bead of silicone caulk approx. 1-1/2" above and below the gap.
- 4.2) Bed the Splice Plate into the caulk and center the plate over the gap.
- 4.3) Use tape to hold the Splice Plate in position until caulk has set.

STEP 5

COMPLETE INSTALLATION



5.1) When installation of the C/S Wall Expansion Joint Cover has been completed, remove all residue and foreign matter from the area and joint cover.

5.2) Clean the C/S Joint Cover and adjoining surfaces with proper cleaner.

5.3) Protect the Joint Cover until the Architect's final inspection.

