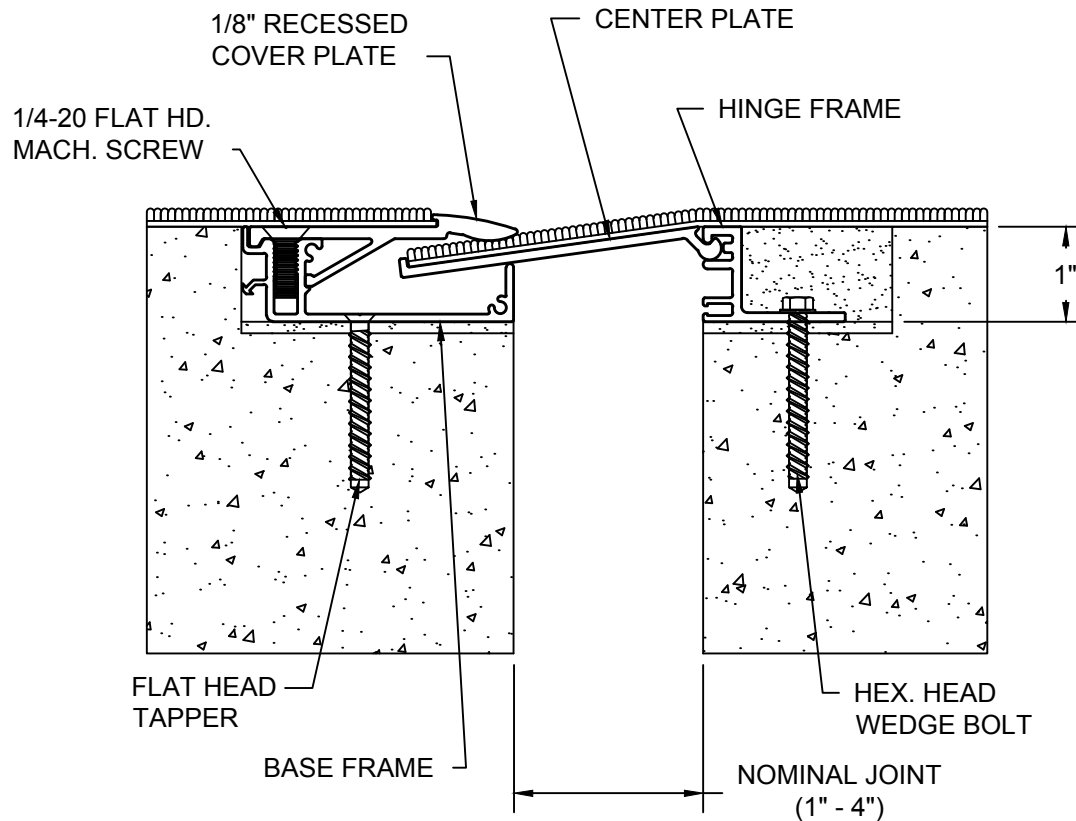


# MODEL FYW-100 THRU 400 & FYWW-100 THRU 400 INSTALLATION INSTRUCTIONS



## 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**

4/3/17

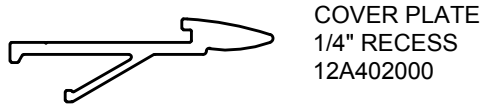


**Construction Specialties™**

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(800) 233-8493 • Fax (570) 546-5169 • www.CSgroup.com

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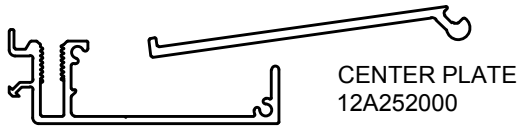
# GENERAL NOTES



COVER PLATE  
1/4" RECESS  
12A402000

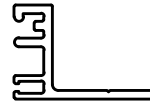


COVER PLATE  
1/8" RECESS  
12A401000



CENTER PLATE  
12A252000

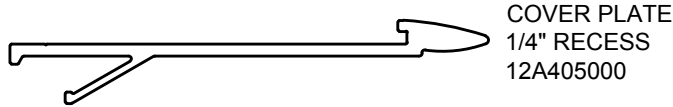
BASE FRAME  
12A400000



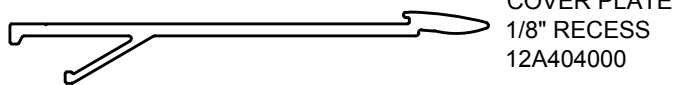
HINGE FRAME  
12A253000



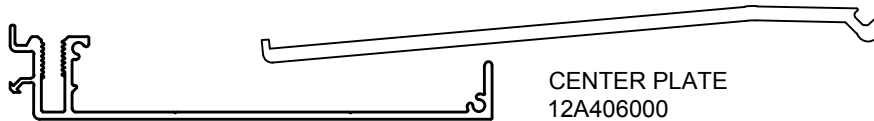
WALL FRAME  
12A019000



COVER PLATE  
1/4" RECESS  
12A405000

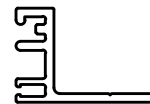


COVER PLATE  
1/8" RECESS  
12A404000



CENTER PLATE  
12A406000

BASE FRAME  
12A403000



HINGE FRAME  
12A253000

## MODEL FYW-200 COMPONENTS

## MODEL FYW-400 COMPONENTS

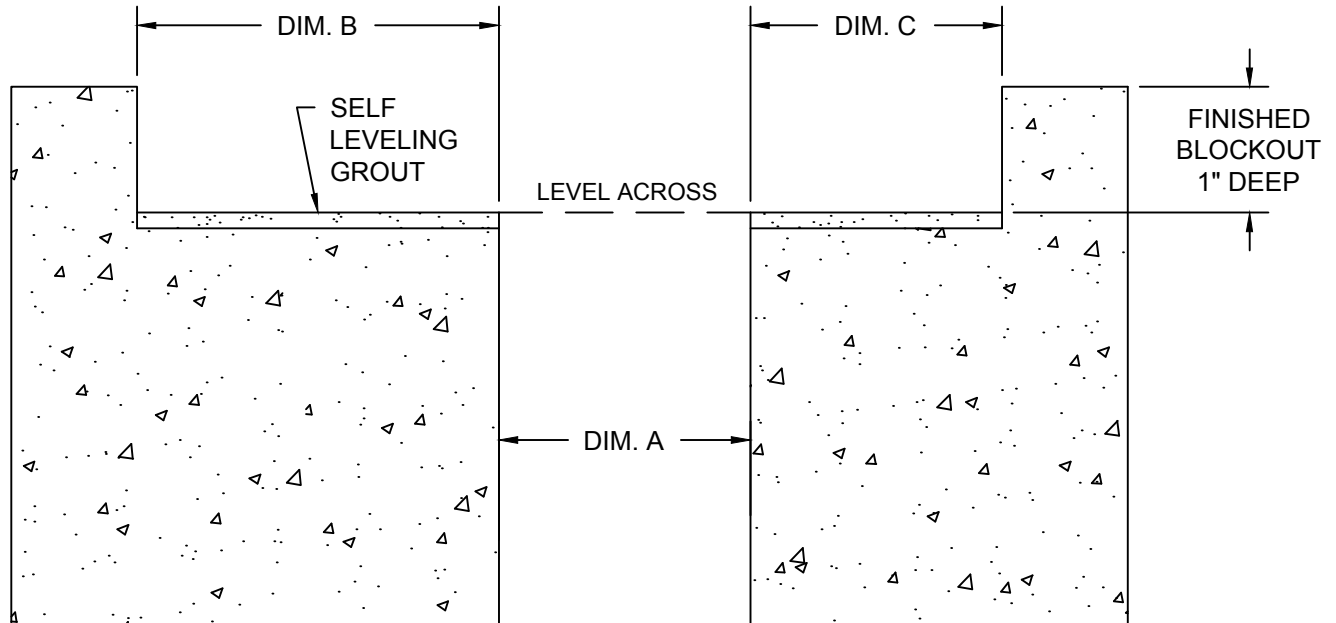
1. Before beginning installation, review the architectural drawing and approved Construction Specialties Inc. shop drawing to familiarize yourself with the appropriate joint cover models and locations.
2. Check all of the joint cover components to confirm that the joint cover model and size have been received. Also, check for materials that may have been damaged during shipping.

**Note:** Model FYW-200 components are used at 1" joints and model FYW-400 components are used at 3" joints. Report all incorrect and/or damaged components to CS at 800-233-8493.

3. The FYW models are available with two Cover Plate options, 1/8" and 1/4" recess. Review the architectural drawings and CS shop drawings to confirm that the correct Cover Plate has been supplied, and is being installed at the appropriate locations, as required for the specified floor finish material.
4. For the installation of the FYW-100 and 300 models, the Base Frame will be set back from the edge of the joint. This information and other details specific to each installation condition will be shown on the Construction Specialties shop drawings.
5. All anchors and fasteners are located at 18" o.c., max.
6. Read through all the steps of these instructions prior to beginning work.

# STEP 1

PREPARE BLOCKOUTS



BLOCKOUT DIMENSIONS		
DIM. A	DIM. B	DIM. C
1"	3 7/8"	2"
2"	2 7/8"	2"
3"	6 1/8"	2"
4"	5 1/8"	2"

**Step1:**

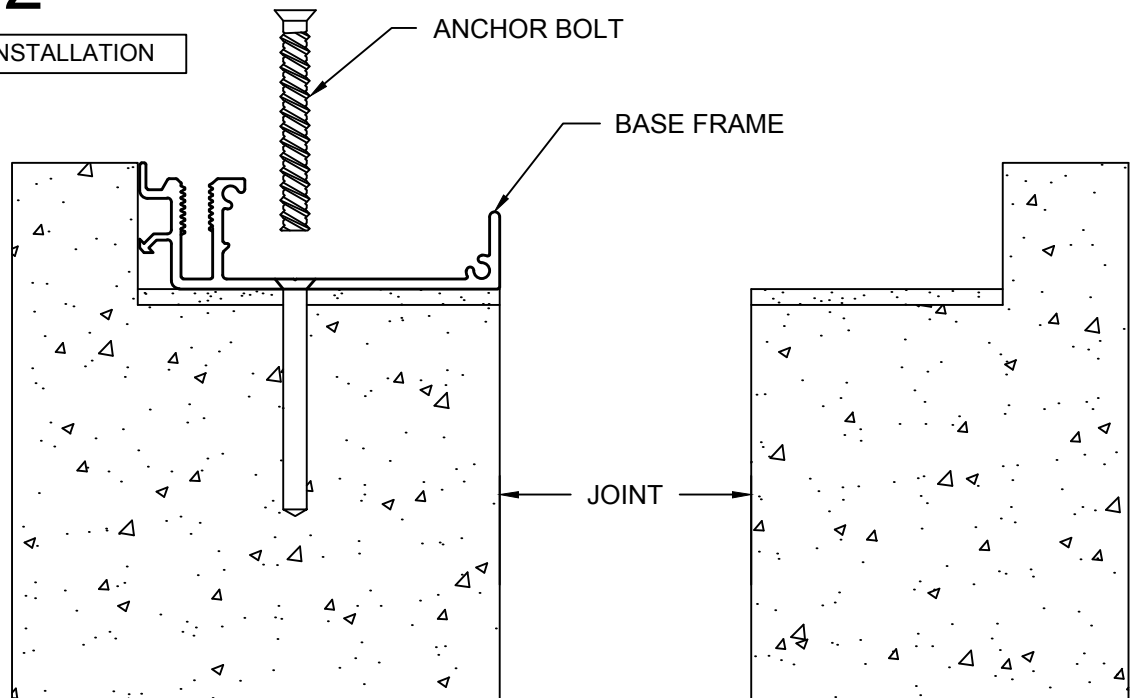
**Note:** Before beginning installation the blockouts must be prepared to receive the joint cover. The blockout width will vary with model as indicated above or as noted on the CS shop drawings. The joint cover is to sit flush with the slab surface so as to receive the floor finish material.

- 1.1) Apply self leveling grout to the blockouts as required to provide a continuous, solid, level and flat base for the joint cover.

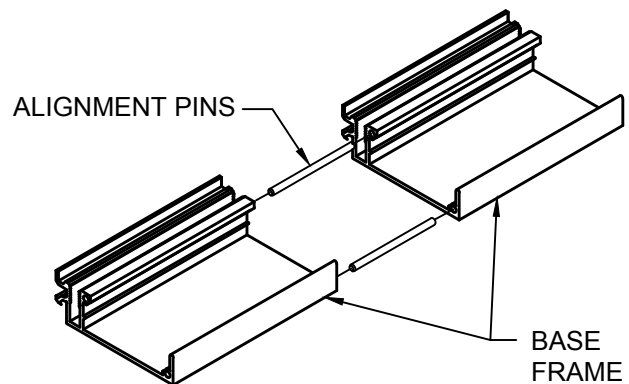
**Note:** Blockouts must be level across the width of the joint.

# STEP 2

## BASE FRAME INSTALLATION



NOTE:  
ALL MASONRY  
ANCHORS ARE  
18" O.C.



### Step 2:

- 2.1) Begin installation of the Base Frames by placing a length of Frame into the blockout. Cut the Frame to length as needed. The Base Frame is to sit level, flat and parallel to the edge of the joint. The Frame should not overhang the edge of the slab or sit above the top surface of the slab.
- 2.2) Using the Base Frame as a template, mark the locations of the Frame anchor bolts.
- 2.3) 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 CS supplied anchor bolts.
- 2.4) Reposition the Base Frame and anchor the Frame to the slab with the CS supplied anchor bolts following the manufacturer's guidelines.

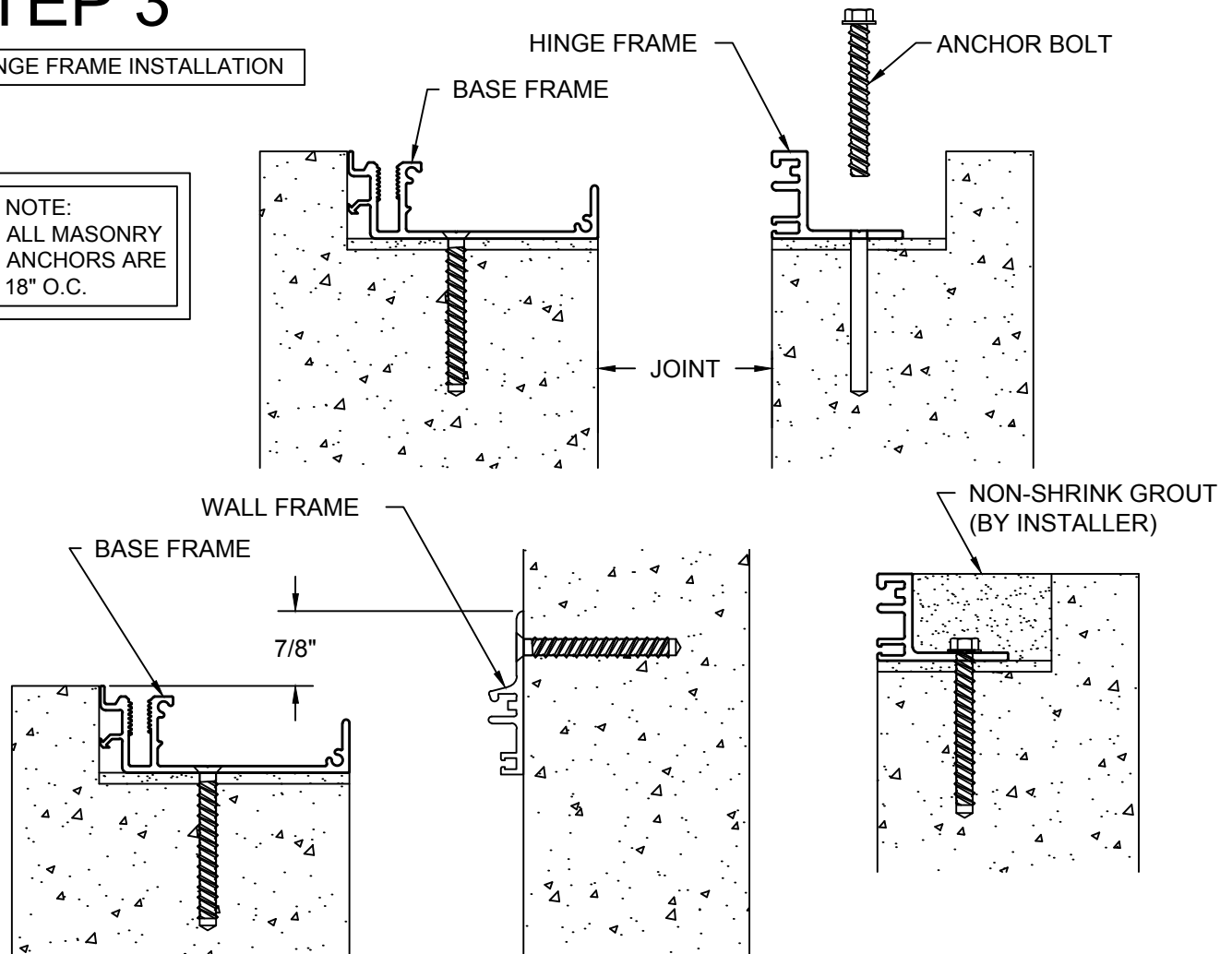
Note: Continue installation of additional lengths of Base Frame, when required, by repeating the steps above. Maintain alignment of adjoining lengths of frame by installing CS supplied grooved Alignment Pins as follows:

- 2.5) After drilling the anchor holes for the adjoining length of Frame, place the CS supplied grooved end of the Alignment Pin, approximately half of its length, into the receiver slot of the next length of Base Frame.
- 2.6) Align the loose Frame with the previously installed Frame and slide together. Make sure the Alignment Pins slide into the slots of the previously installed Frame.
- 2.7) Anchor the frame to the slab.

# STEP 3

## HINGE FRAME INSTALLATION

NOTE:  
ALL MASONRY  
ANCHORS ARE  
18" O.C.



### Step 3:

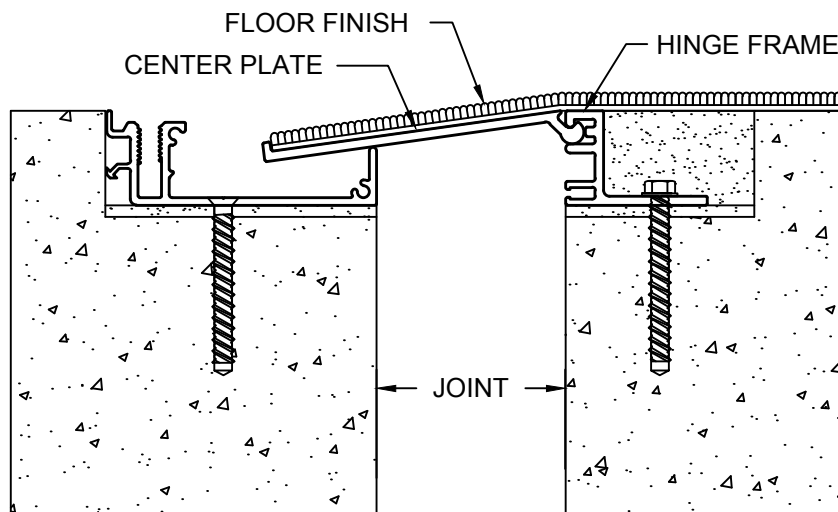
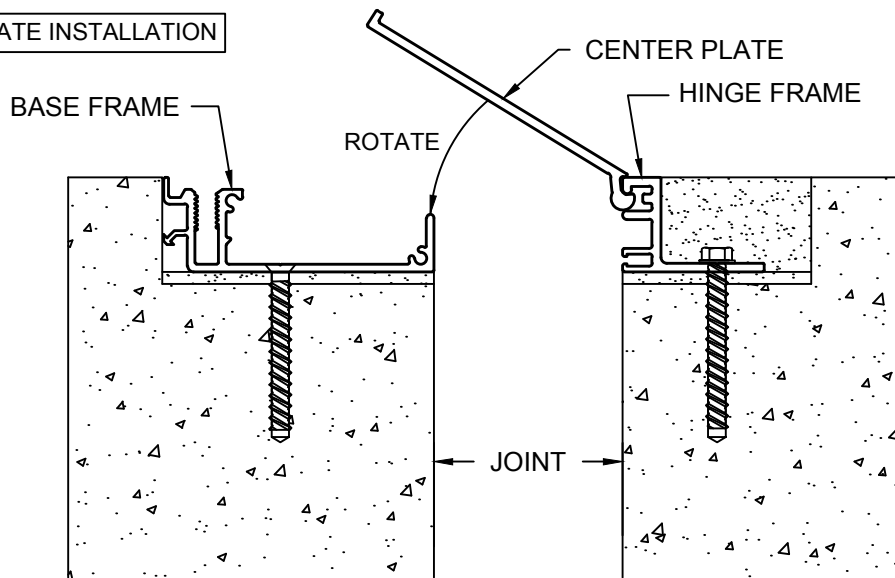
- 3.1) Begin installation of the Hinge Frames by placing a length of frame into the blockout. Cut the Frame to length as needed. The Hinge Frame is to sit level, flat and parallel to the edge of the joint. The Frame should not overhang the edge of the slab or sit above the top surface of the slab.
- 3.2) Using the Hinge Frame as a template, mark the locations of the Frame anchor bolts.
- 3.3) Remove the frame and drill the holes for the anchor bolts. Note: The holes are to be drilled with the appropriate size and type of drill bit as indicated by the manufacturer of the CS supplied anchor bolts.
- 3.4) Reposition the Hinge Frame and anchor the Frame to the slab with the CS supplied anchor bolts following the manufacturer's guidelines.
- 3.5) Continue installation of additional lengths of Hinge Frame, when required, by repeating the steps above.
- 3.6) Back fill the pocket between the Hinge Frame and slab with non-shrink grout.

### FYWW Floor to Wall Applications:

- 3.1w) For Floor to Wall applications the Hinge Frame is replaced with the Wall Frame that attaches directly to the face of the wall adjacent to the joint.
- 3.2w) Measure 7/8" above the top rear surface (highest point) of the Base Frame and mark a line on the wall surface.
- 3.3w) Align the top of the Wall Frame with the line on the wall surface. Mark and drill holes for the appropriate mounting fasteners using the Frame as a template.
- 3.4w) Attach the Wall Frame with the CS supplied anchors.

# STEP 4

## CENTER PLATE INSTALLATION



### Step 4:

4.1) Begin installation of the Center Plate by placing the hinge end of the Plate into the receiver socket of the Hinge Frame.

Note: The Center Plate should be angled at approximately 45° and the hinge end of the plate must be engaged in the slot along the full length of the Plate.

4.2) While applying some inward pressure on the Center Plate into the Hinge Frame, rotate the Center Plate down towards the Base Frame. The ball and socket hinge must engage and the plate must come to rest onto the Base Frame.

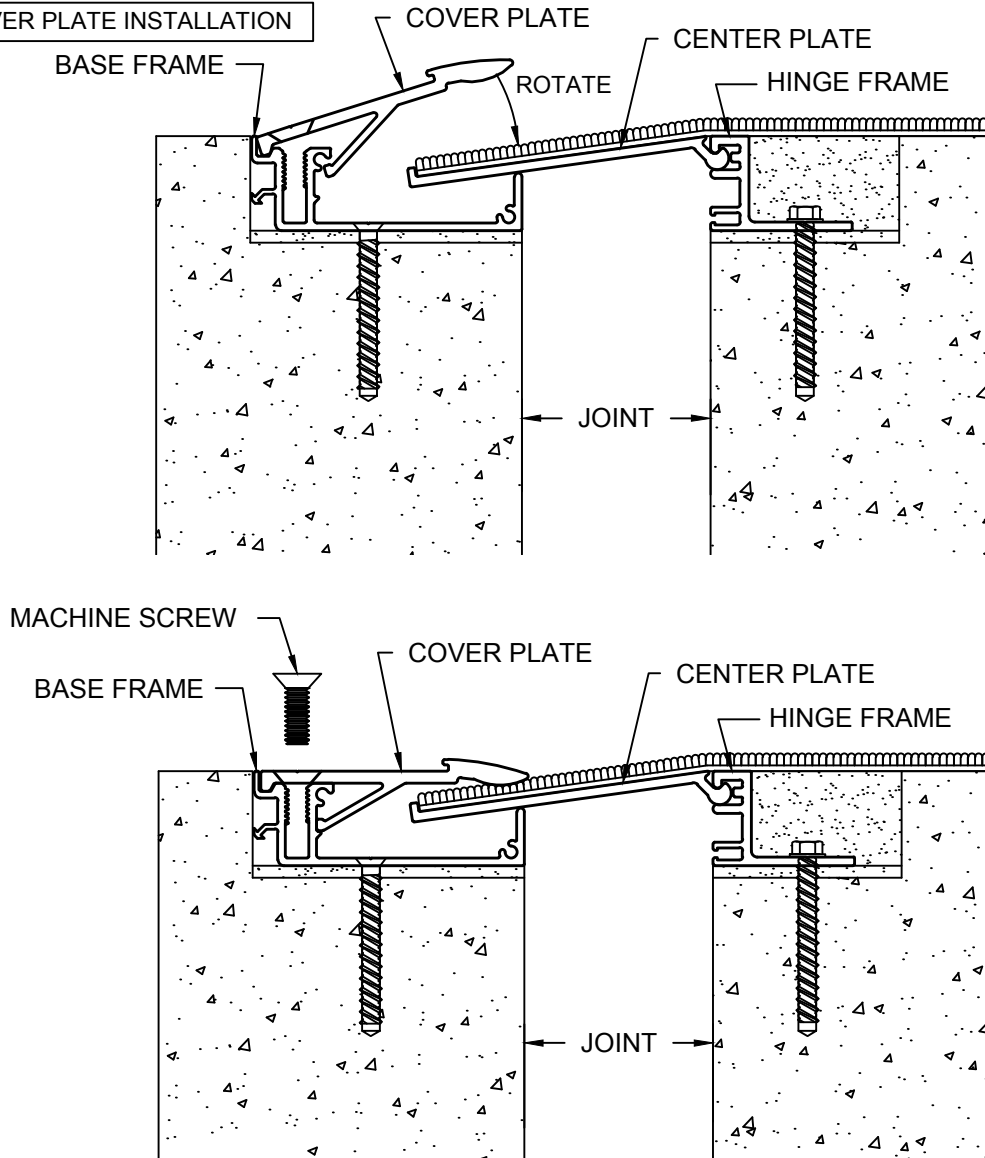
4.3) Continue to install additional lengths of Center Plate as needed.

4.4) With all the Center Plates installed for the run, install the floor finish material so that it extends from the slab, across the top of the hinge frame and across the joint to the finish end of the Center Plate. If the floor finish material is not available at this stage, proceed to Step 5 and apply the floor finish at a later date.

# STEP 5

## COVER PLATE INSTALLATION

NOTE:  
ALL FASTENERS  
ARE 18" O.C.



### Step 5:

**Note:** The Cover Plate for the FYW models is available with a 1/8" or 1/4" recess, depending on the thickness of the floor finish material. Check to make certain that the appropriate Cover Plate recess has been supplied and is being applied for the given run of cover.

- 5.1) Begin installation of the Cover Plate by placing the back edge of the Plate into the receiver pocket of the Base Frame. The Center Plate should be angled so that the support leg on the underside of the Cover Plate clears the splice pin portion of the Base Frame.
- 5.2) Rotate the Cover Plate down towards the base frame so that the nosing of the plate rests on the floor finish material, or if the floor finish is not yet installed, until the support leg engages the Base Frame.

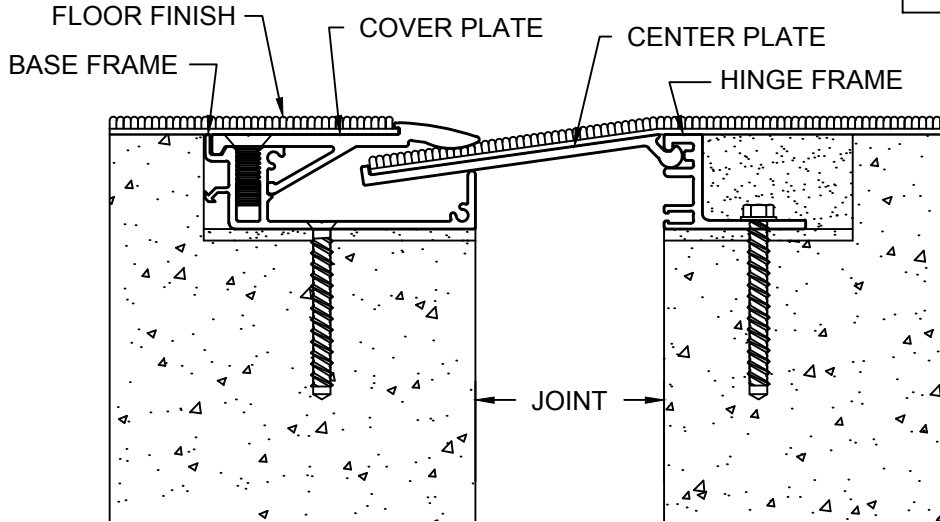
**Note:** If the floor finish has not been installed on the Center Plate, there will be a gap between the Cover Plate nosing and the Center Plate when the Cover Plate is engaged properly in the Base Frame.

- 5.3) Attach the Cover Plate to the Base Frame with the CS supplied machine screws.
- 5.4) Continue to install additional lengths of Cover Plate as needed for the run.

# STEP 6

COMPLETE INSTALLATION

NOTE:  
ALL ANCHORS /  
FASTENERS ARE  
18" O.C.



## Step 6:

- 6.1) Complete the installation of the FYW joint cover system by installing the floor finish material so that it extends from the slab, onto the Cover Plate and finishes tightly against the nosing of the Cover Plate.

Note: If the floor finish material was not installed during initial installation, it will be necessary to remove the Cover Plates to allow access of the floor finish to the Center Plates. Installation will then progress from Step 4.4 to completion.

- 6.2) The joint cover must be protected to prevent heavy construction loading from damaging the cover. If heavy loads must cross the installed joint cover system, place a sheet of  $\frac{3}{4}$ " plywood spanning the entire cover system and cross the joint on the plywood. The plywood sheet will distribute the load preventing damage to the cover system.