Note: Verify that the structural gap and blockout dimensions are in conformance with submittal data before beginning installation. If this is a Fire Rated Assembly, the fire barrier must be installed before the Architectural Joint System. Refer to the fire barrier instructions for specific system installation.

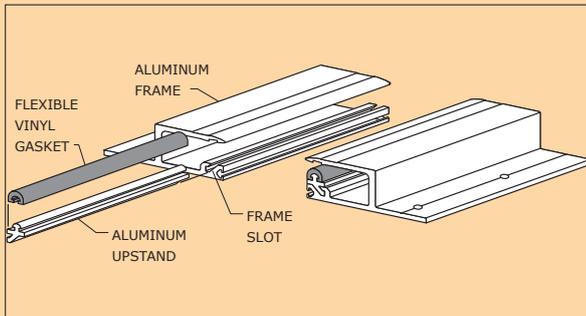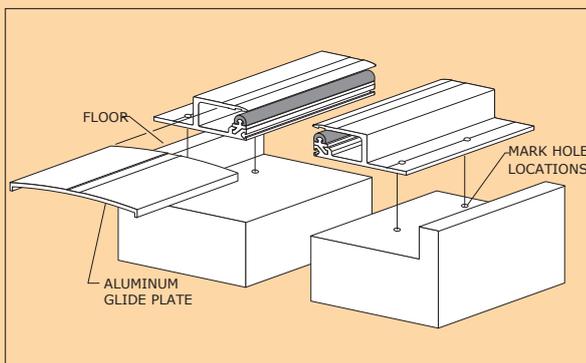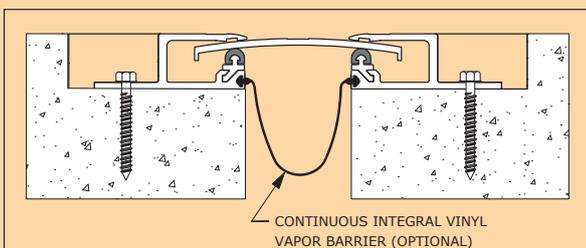Fig. 1 (CAS Series, Floor to Floor shown)

Fig. 2.

Fig. 2a

1. Install the architectural joint system on a level surface within the blockout. To determine blockout depth for the 'CAS' system, deduct thickness of floor finish from frame height. Make sure top of frame is level with the finished floor height. This may require adding leveling compound to raise the top of the frame.

Figure 1

2. Cut the aluminum components to the desired length.

3. Slide or press the flexible vinyl gasket onto the aluminum upstands.

4. Slide the aluminum upstand with gasket into the floor frame slots.
   NOTE: It may be necessary to apply silicone spray to the leg of the upstand prior to insertion.

Figure 2

5. With the two frame assemblies facing, complete the system by inserting the aluminum glide plate into the space between the vinyl gaskets and the underside of the frames.

6. Place the assembled system in the blockout so that it is centered over the structural gap. The aluminum frames should not extend over the edge of the structural gap.

7. Mark the pre-drilled hole locations on the substrate.
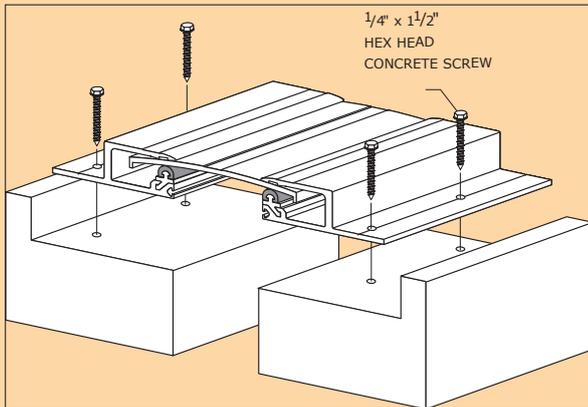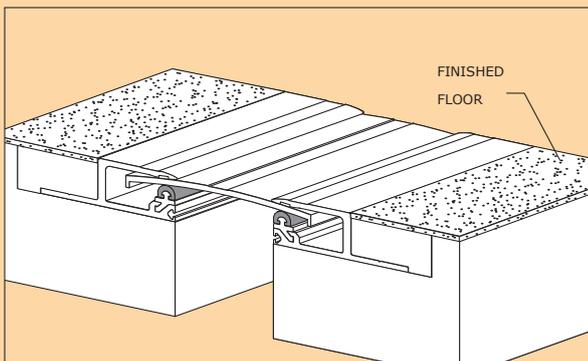
8. Remove the frame assembly from the blockout.

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Fig. 3

9. Drill all marked holes.
   9a. For 'CAS' system, use a 3/16" (5 mm) concrete drill bit and drill 1- 5/8" (42mm) deep.
   9b. Optional Integral Vapor Barrier: Starting at one end of the frame assembly, slide vapor barrier into dart receptacles. Fold ends up or weep out.(See Figure 2a).

Figure 3

10. Return the frame assembly into position over the drilled hole locations. For 'CAS' system, secure in place with one 1/4" x 1- 1/2" hex head concrete screw for each hole.

Figure 4

11. Backfill the blockout with high strength non-shrink epoxy grout (installer furnished). On 'CAS' system, install the floor finish level to the top of the frame.

12. Clean the exposed surfaces with a non-solvent cleaner as required.

Fig. 4 (CAS System, completed installation)