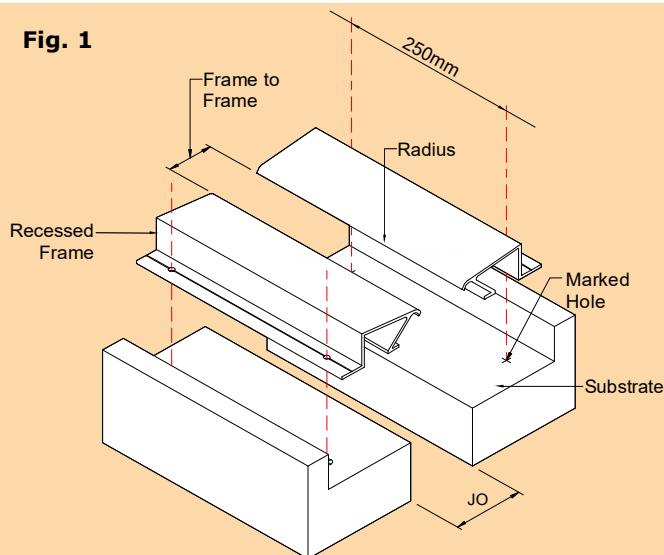


DES Series

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



Optional:

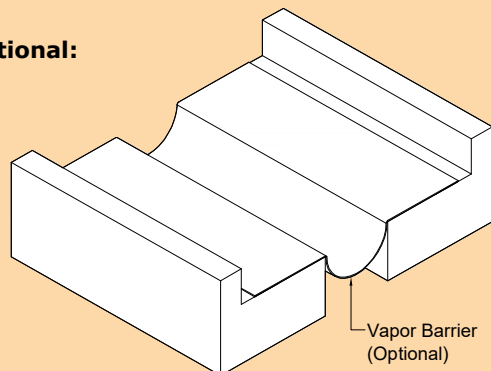
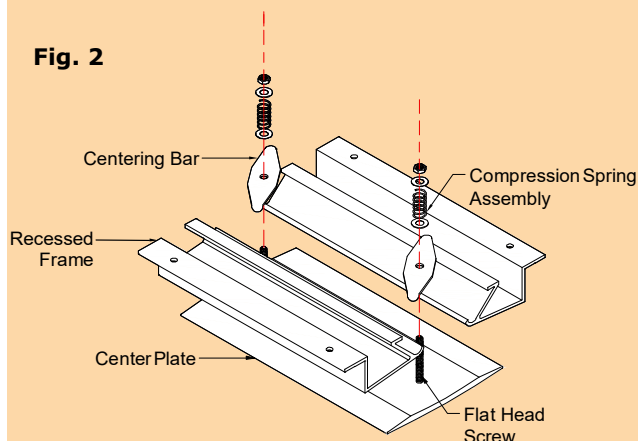


Fig. 2



1. Install the architectural joint system on a level surface within the blockout. Make sure the tops of frame edges are level with the finished floor. The blockouts must be level across the width of the joint. Apply self-leveling compound to provide a continuous, solid, flat and level base.

Figure 1

2. Cut the aluminum components to length as needed.

3. Place the recessed frames into the blockout. The radius of the recessed frames should face the structural gap.

4. Use the table below to determine the distance between the two recessed frames.

Joint Width (mm)	Frame to Frame (mm)
25	25
50	36
75	51
100	64
150	89
200	140

5. Using the frames as template, mark the pre-drilled holes on the substrate for fixing screws at every 250mm o/c. Remove the frames from the blockout and drill all marked holes using concrete drill bit.

Optional: Install the EPDM vapor barrier before the DES System, lay continuous bead micro sealant tape on both sides of the substrate. Place the vapor barrier evenly allowing the excess material to drape in the structural gap.

Figure 2

6. Invert the recessed frames and place them on the inverted center plate. The recessed frame to frame must be spaced apart as per table mentioned above. Insert flat head screws into each slot of the center plate at every 450mm o.c, starting 150 from each end.

7. Place centering bar on each screw, align diagonally to the center plate and parallel to each other. Fit this into the channel of both frames. Place compression springs to each crew with a washer and nut. tighten each nut to secure the system assembly.



Fig. 3

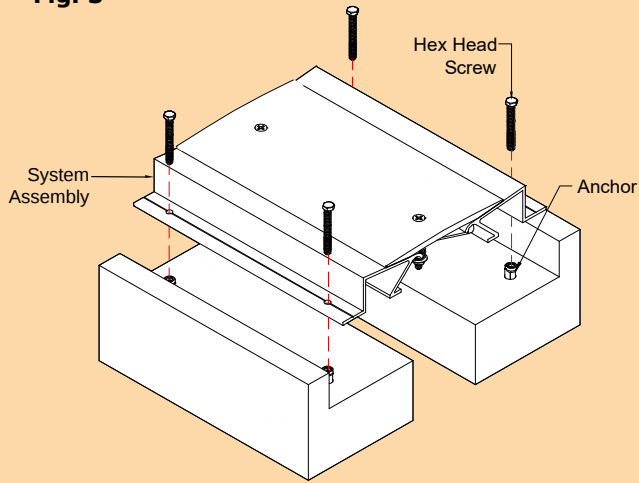


Fig. 4 - (Completed Installation)

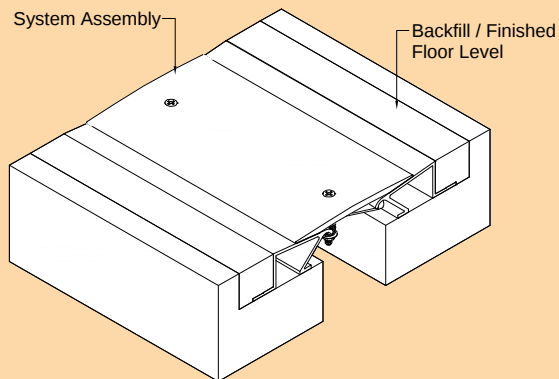


Figure 3

8. Flip the system assembly into proper position in the blockout over the expansion joint opening and align the pre-drilled holes of each frame over the drilled holes in the substrate. Once the system assembly is properly positioned on the substrate, secure using hex head concrete anchors and tighten to secure the system in place.

Figure 4

9. Backfill the blockout up to the top of the frames and finished floor level. For completion of installation, clean the exposed surfaces with a non-solvent cleaner.