

Installation Instructions

Joint System: 516-A01/A02

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

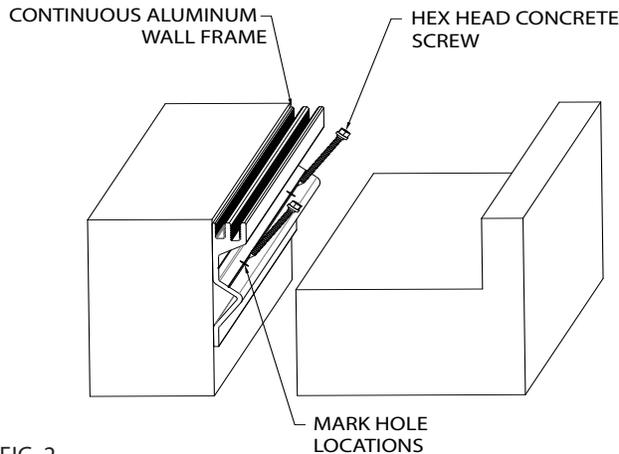


FIG. 2

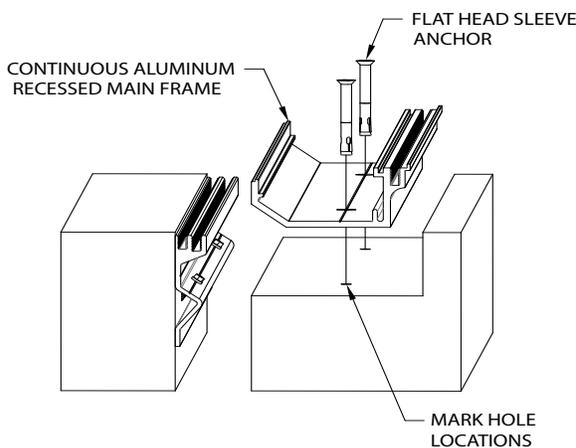
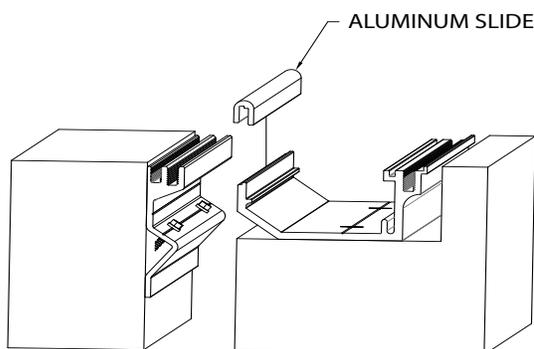


FIG. 3



1. Install the architectural joint system on a level surface within the blockout. The top of the aluminum frame should coincide with the floor slab. This may require adding leveling compound to raise the tops of the frames.

Note: The 516-A01 (Floor to Floor) and 516-A02 (Floor to Wall) uses the same components.

Figure 1

2. Cut the all the aluminum components to the desired length.
3. Place the aluminum wall frame against the wall so that the top of the frame is 1/8" (3mm) lower that the floor slab. Mark the pre-drilled hole locations on the wall.
4. Remove the wall frame from the wall.
5. Drill all marked hole locations on the wall using 3/16" (5mm) concrete drill bit. Drill 1 3/4" deep.
6. Return the wall angle into position over the drilled holes locations. Secure the wall angle in place with one JK001 1/4" x 2 1/4" hex head concrete screw for each hole.

Figure 2

7. Place the aluminum recessed main frame with the leading edge of the main frames positioned in relation to joint edge as follows:

Joint Width		Frame Location	
US	mm	US	mm
1"	25	+1"	+25
2"	51	0"	0
3"	76	-3/8"	-10
4"	102	-3/8"	-10

8. Mark the pre-drilled hole locations on the substrates.
9. Remove the frame from the blockout.
10. Drill all marked holes on the substrates using a 1/4" (6 mm) concrete drill bit. Holes should be drilled 2 3/4" (70mm) deep.
11. Return the frames in position over the drilled hole locations and secure in place with one JK020 1/4" x 2 1/4" flat head sleeve anchor for each hole.

Figure 3

12. Place the aluminum slide over the recessed main frame leg. Slide can be reversed to accommodate two carpet pile heights. For thinner pile height, move the slide to the higher position. For thicker pile heights, flip the slide to the lower position.

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FIG. 4

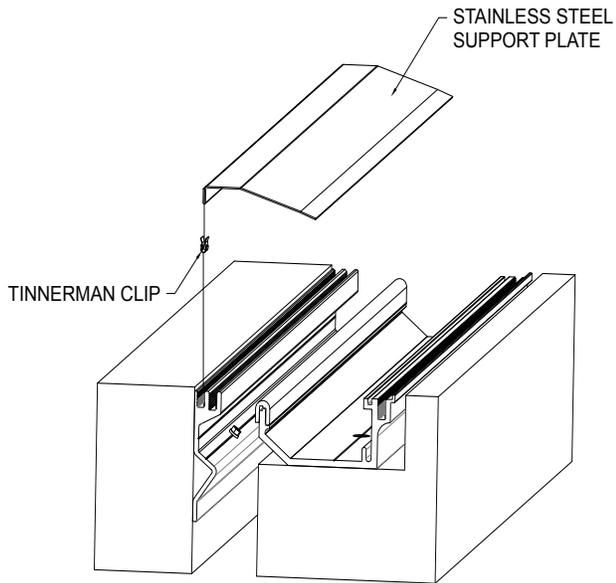


Figure 4

13. Install tinnerman clip onto the bent flange of the stainless steel support plate at each end and 12" (304mm) on center. Press the support plate with tinnerman clips into the groove closest to the slab.

Figure 5

14. Install the carpet over the stainless steel support plate ensuring it is firmly adhered.
15. Place the pre-drilled aluminum main frame cover over the recessed main frame and secure in place with one JK037¹/₄-20 x ⁵/₈" flat head machine screw for each hole.

FIG. 5

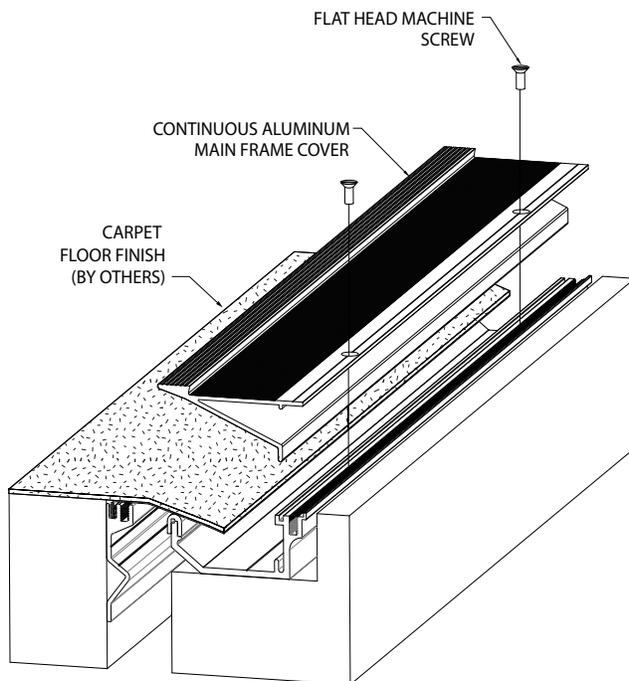
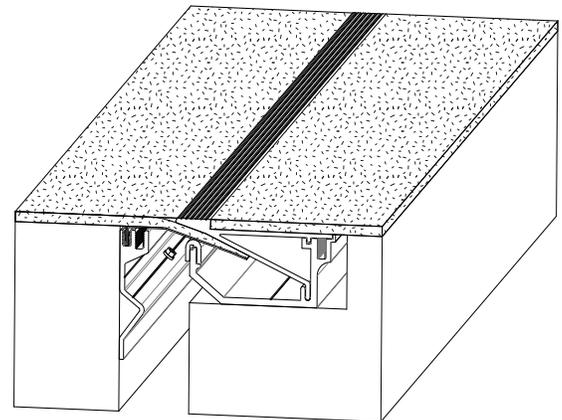


Figure 6

16. Backfill the blockout on the recessed main frame side of the joint level with the adjacent concrete finish. Install and adhere the carpet over the aluminum main frame cover.
17. Clean the exposed surfaces with a non-solvent cleaner, such as 409, as required.

FIG. 6 (516-A01 Completed installation)



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