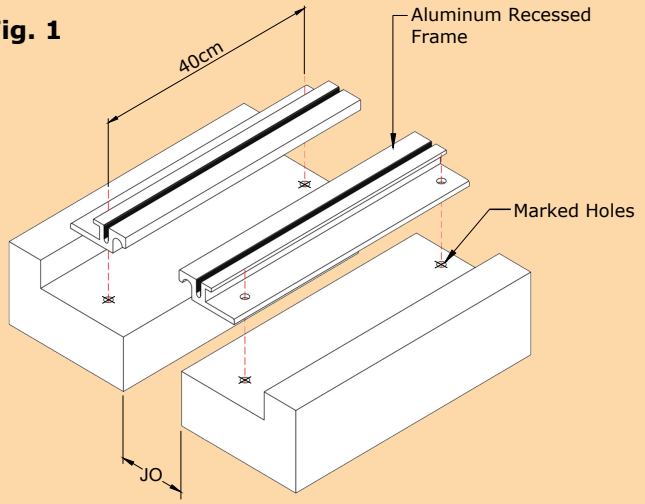
GWS Series

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

Fig. 1



1. Install the architectural joint system on a level surface within the blockout. Make sure the top surface of the cover plate is level with the floor finished.
2. Cut the profile components to length as needed.

Figure 1

3. Align the frames within the blockout, ensuring the frame bases do not extend over the structural gap.
4. Drill holes on the aluminum frames as required on site with a maximum 40cm c/c interval. Copy the pre-drilled holes in the recessed frame and mark on the concrete substrate. Then Remove the frames.
5. Drill holes in the blockout substrate using a 8mm concrete drill bit to 60-70mm depth.

Fig. 2

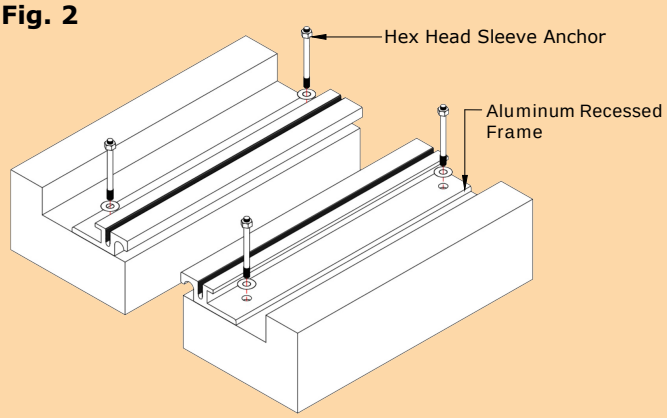
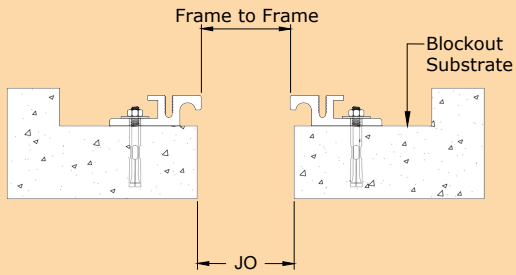


Figure 2

6. Return the frame into position over the drilled holes and secure using 8mm x 60-70mm Hex head concrete sleeve anchors.
7. To properly space frames, use the chart below to determine the distance between opposing outside faces of the frames measured at the top (*see figure 2a*).

Fig. 2a



Joint Opening (mm)	Frame to Frame (mm)
50	45
75	70
100	95
150	145
200	185
250	235
300	285

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Fig. 3

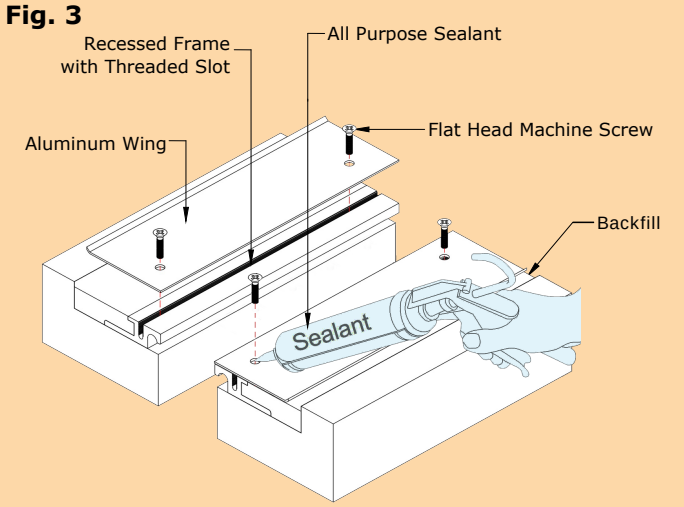

Fig. 4

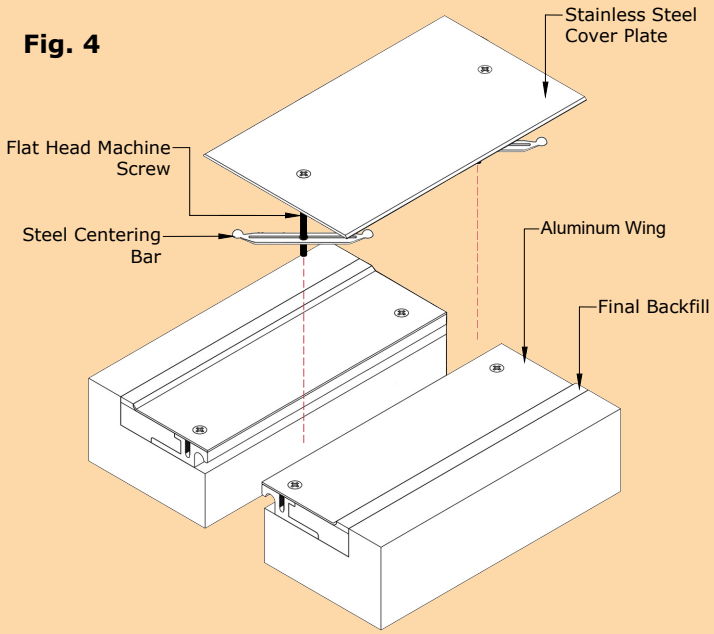

Fig. 5

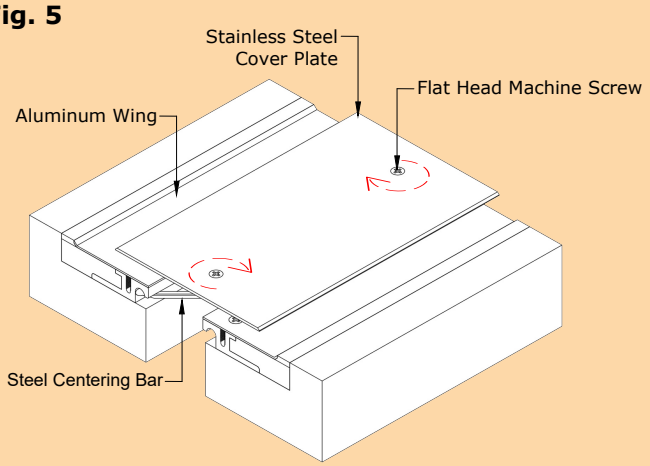

Figure 3

8. Fill the blockout up to the top level of the frames. Do not fill beyond the frame.
9. Place the aluminum wings with the pre-drilled holes, align over the threaded slot in the frame below. Apply sealant on the aluminum wing pre-drilled holes upto a recessed frame threaded slot and secure using 1/4 x 5/8" flat head machine screws.

Figure 4

10. Complete the backfilling. Keep the level to floor finished.
11. Insert flat head machine screw into pre-drilled countersunk holes in the stainless steel center cover plate. Thread centering bar loosely onto each screw with rounded domes facing upward to the cover plate.

Figure 5

12. Place the center cover plate assembly onto the frames and center over the structural gap with all the centering bars running parallel along the joint. Preferably by hand, SLOWLY tighten each screw, which will rotate the centering bar towards the frame channels. As the screw draws the centering bar towards the plate, the buttons on each end of the centering bar will engage inside the radius channel of the frame.

Figure 6

13. For completion of installation, clean the exposed surfaces with non-solvent cleaner as required.

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