## GAS Series

Note: The structural gap and blockout dimensions has to be verified before beginning the installation if both are in conformance with submittal data. If the architectural joint system is fire rated, fire barrier has to be installed before the system. For specific system installation, refer to the fire barrier installation instructions.

Fig.1

MARKED HOLE LOCATIONS

CONTINUOUS ALUMINUM FRAME

CONCRETE SLEEVE ANCHOR

Fig.2

CONCRETE BACKFILL

NON-SHRINKING GROUT

CONTINUOUS ALUMINUM FRAME

CONCRETE FLOOR/WALL

Fig.3

FLAT HEAD MACHINE SCREW

ALUMINUM COVER PLATE

CENTERING BAR

Fig.4

CONTINUOUS ALUMINUM COVER PLATE

FLAT HEAD MACHINE SCREW

CONCRETE BACKFILL

CONTINUOUS ALUMINUM FRAME

NON-SHRINKING GROUT

CONCRETE FLOOR/WALL
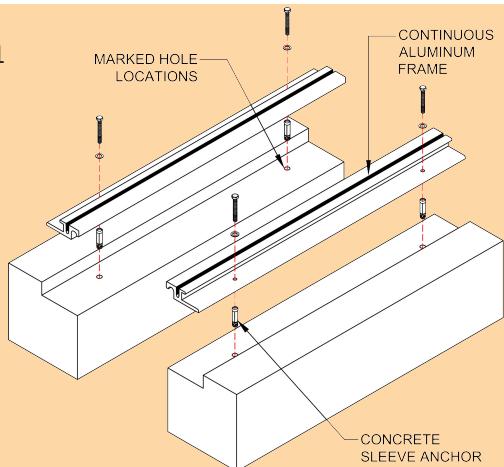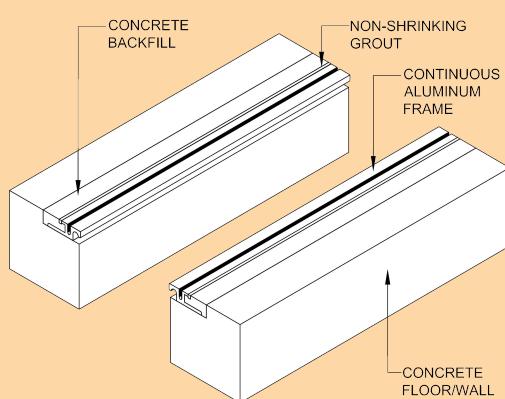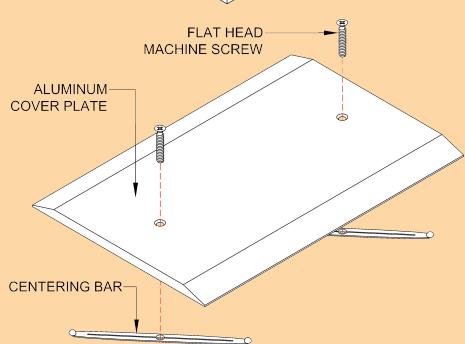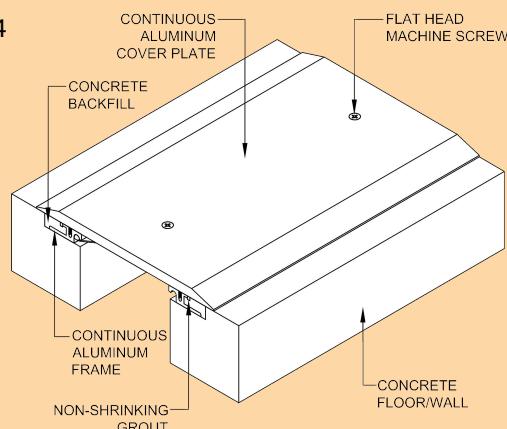
1. Install the architectural joint system on a level surface within the blockout. Make sure the tops of the frames are level with the finished floor height. This may require adding leveling compound to raise the tops of the frames.

2. Cut the aluminum components to the desired length.

3. Align the frames within the blockout, ensuring the frame bases do not extend over the structural gap.

Details:

SIGHT WIDTH

CONTINUOUS ALUMINUM FRAME

CONTINUOUS ALUMINUM COVER PLATE

FLAT HEAD MACHINE SCREW

CONCRETE BACKFILL

FLOOR/WALL FINISHED

PLATE THICK.

25mm

CENTERING BAR

CONCRETE SLEEVE ANCHOR

80 Blockout   GAP   80 Blockout
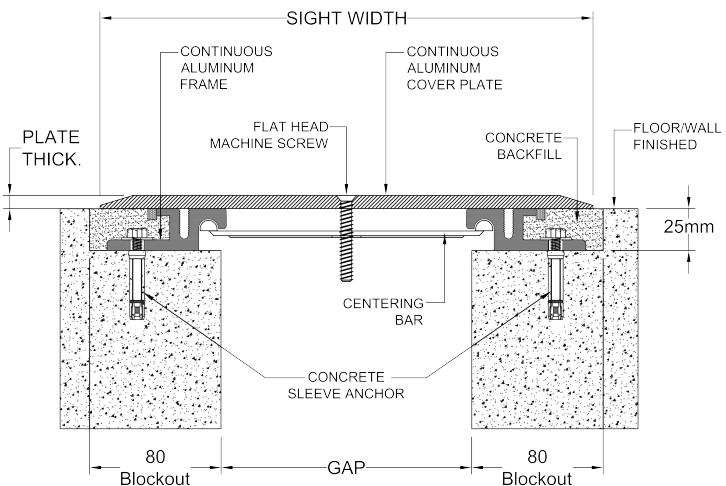
4. Mark pre-drilled hole locations on the substrate and remove from the blockout.

5. Drill holes in the blockout using a 5/16" (8mm)concrete drill bit to a 2-1/2" (63mm) depth.

6. Return the frame into position over the drilled hole locations and secure using 5/16" x 2-1/2" concrete sleeve anchors (See Fig. 1).

7. Fill the block out with concrete up to the top level of frames and finished floor line (See Fig. 2).

8. Insert flat head machine screws into pre-drilled counter sunk holes in the aluminum cover plate. Thread center-ing bars loosely onto each screw with the rounded domes of the centering bars facing the center plate (See Fig. 3).

9. Place the plate assembly onto the frames and center over the structural gap with all the centering bars running parallel along the joint. Slowly hand tighten each plate screw. As the screw draws the centering bars towards the the plate, the rounded domes on each end of the centering bar will engaged inside the radius channels on the frames (See Fig. 4).

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

PROSPEC SPECIALTIES