

Installation Instructions

Joint System: 501-A01

Note: Verify that the structural gap and blockout dimensions are in conformance with submittal data. A secondary blockout or "undercut" is also required to accommodate +/- 100% movement. Check dimensions 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

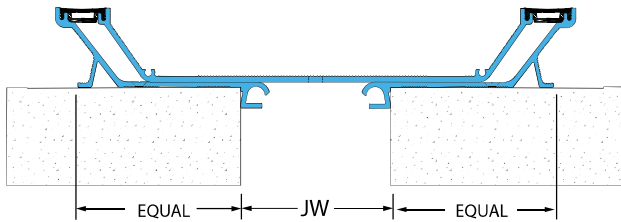
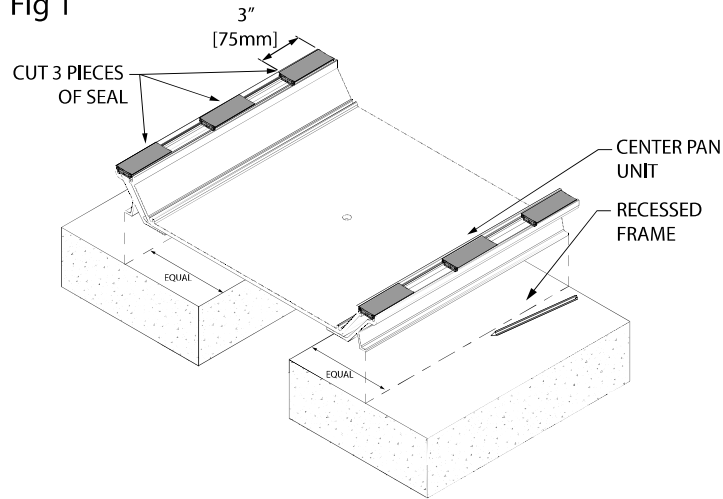


Fig 2

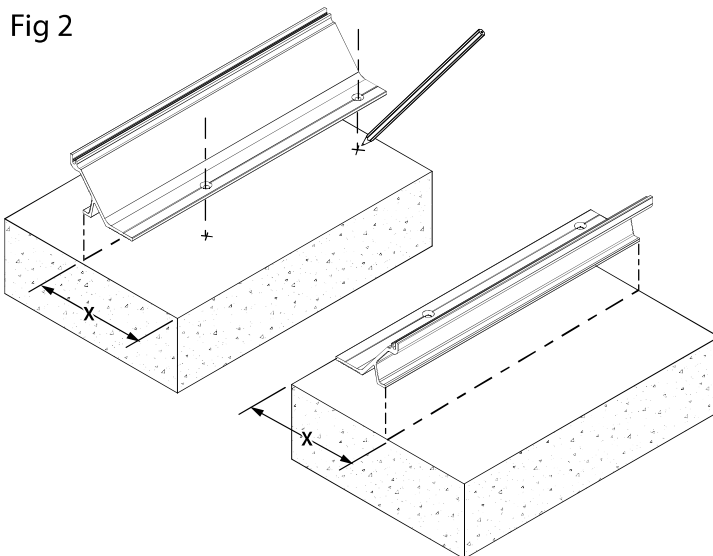


Figure 1

1. Install the architectural joint system on a level surface. To determine blockout depth, deduct the thickness of the floor finish from the frame height. This may require adding leveling compound to raise the tops of the frames.
2. Cut the aluminum components to the desired length.
3. Cut six, 3" [75mm] long pieces of compression seal material. Secure seals into the center pan and recessed frames to properly space the frames.
4. With the expansion joint system centered over the expansion joint, mark the back edge of both frames

Figure 2

5. Remove the center pan and seals from the recessed frames. Remove the center pan from the frames and re-position the recessed frames in-line with the marked lines, and mark the hardware locations on the concrete.
6. Remove the frames from the concrete and drill the marked hole locations using a 1/8" [3mm] drill bit.

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Fig 3

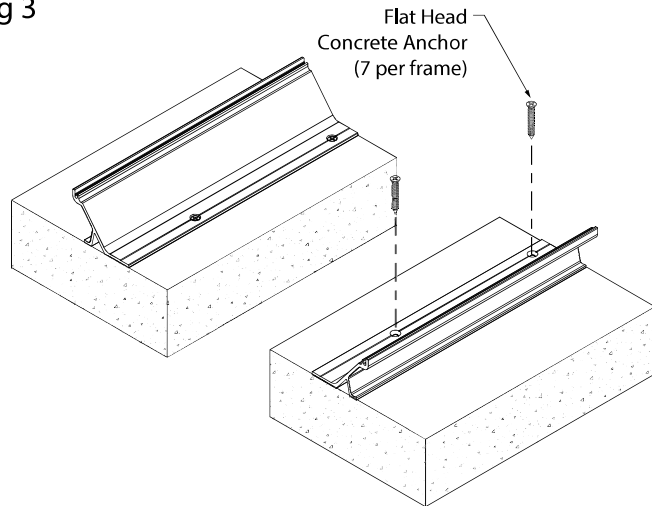


Figure 3

7. Return frames to position and fasten in place using the supplied hex head concrete anchor and flat head concrete Anchor.

Fig 4

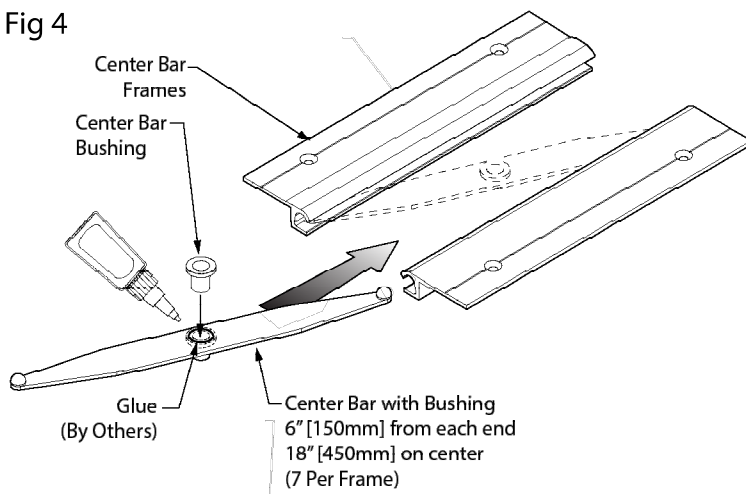


Figure 4

8. Cut the provided center bar frames to appropriate length.

9. Position the center bar frames in the joint opening and use the pre-drilled holes to mark the hardware locations on the concrete.

10. Remove the frames and drill the marked hole locations using a 1/8" [3mm] drill bit

11. Assemble the center bar frames with seven centering bars per frame. With each centering bar diagonal, slide the ball ends of each bar into the channel on each frame.

12. Adhere (Adhesive supplied by others) the supplied bushing into the centering bar. Space the centering bars even along the length of the frames, keep the bars 6" [150mm] from each of the edges. Then 18" [450mm] on center.

Fig 5

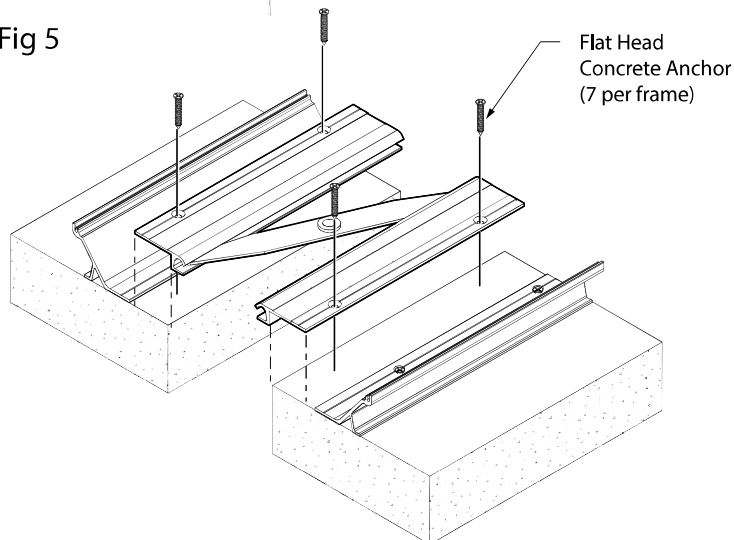


Figure 5

13. Return the frame assembly to the joint opening and install the frames in place using the supplied flat head concrete anchors.

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Fig 6

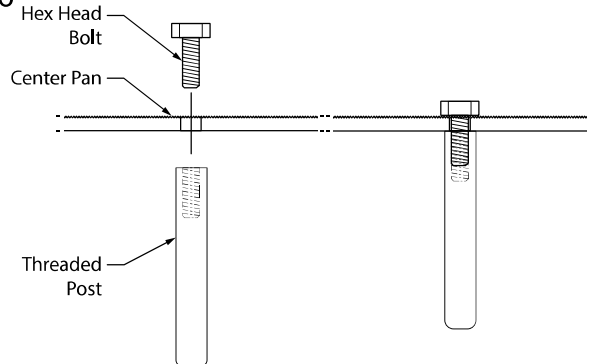


Figure 6

14. Assemble the center bar hardware with the centerpan. Insert the hex head bolt through the pre-drilled hole in the center pan. Securely fasten the threaded metal post to the bolt.

15. Install the center pan. Align the posts with the thru bushings on the centering bars. And insert the posts into the through bushings (See Figure 6a)

Fig 6a

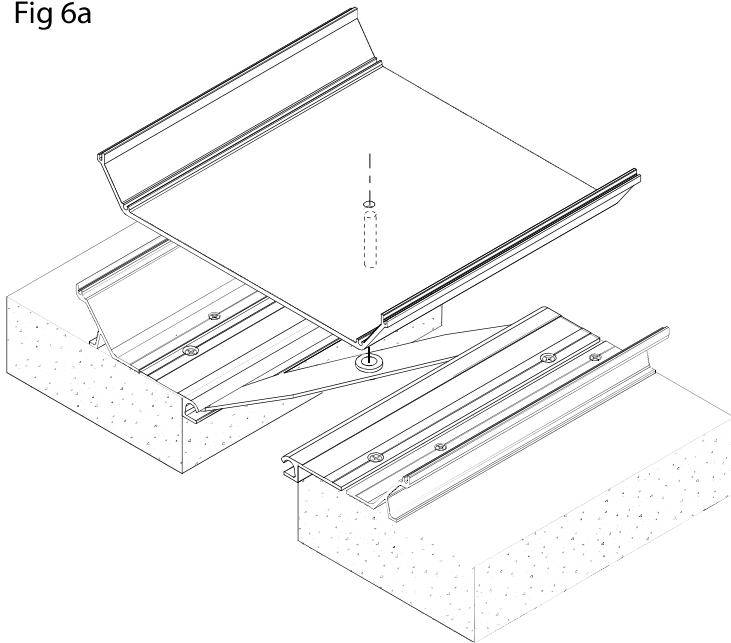


Figure 7

16. Install the santoprene seals on both sides of the expansion joint system.

Figure 8

17. Backfill blockout and pan with epoxy grout. Install finished flooring. Ensure the top surface of the expansion joint is protected from industrial cleaning solutions and other chemicals during installation of flooring.

Fig 7

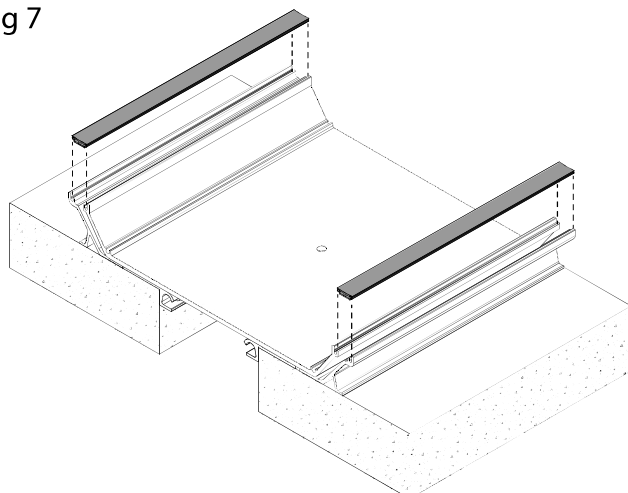
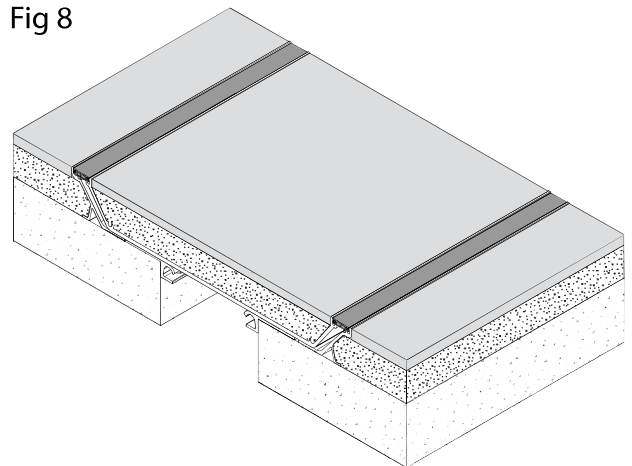


Fig 8



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Fig 9

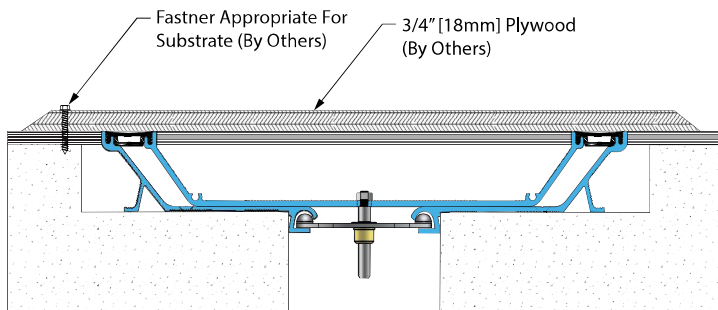


Figure 9

18. Protect final assembly from all construction traffic and overloading until handoff. Mechanically secure minimum 3/4" (18mm) thick protection board on one side with beveled edges to avoid trip hazard.