

Installation Instructions

Joint Systems: SR Series Floor/ Floor Condition

Note: Seals are delivered in either wooden reels or large steel reels depending on order size and contractor storage ability. Store reels in a secure area to keep the seals clean and free from damage.

A. Preparation of the Work Area

1. Please read through entire instructions before installation.
2. Concrete uniformity and soundness is a key to a installation. Ensure all concrete spawls, cracks, and form marks are corrected prior to installation of system.
3. Level the frames with epoxy grout as needed under the frames over the structural depth to ensure a plumb installation.

B. Recommended Equipment

- Hammer Drill
- Concrete Drill Bits
- Proper Tools for Hardware
- Tape Measure
- Pencil
- Rubber Mallet
- Silicone Spray
- Sealant
- Caulk Gun
- Denatured Alcohol or Xylene
- Miter Box
- Trowel
- Epoxy Grout
- Non-serrated Saw Blade

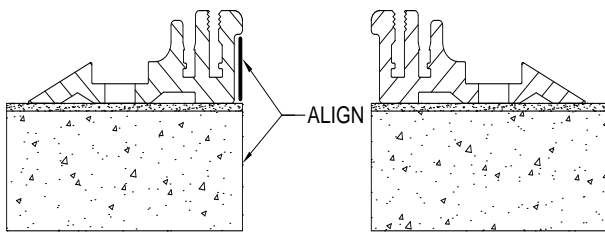


Figure 1

Figure 1 & 1A

1. Reference Inpro Jointmaster Shop Drawings or Architechural Drawing. There are 2 types of bases depending on the topping slab thickness.
2. If the Stackable Frame are used proceed with installation. If Structural Angle Base is used start at Figure 11.
3. Align Stackable Frame Base with the edge of the expansion joint.
4. Mark the holes on the concrete and remove the frames.
5. Drill the holes using a 3/8" [9.5mm] diameter drill bit to a minimum of 3" [76mm] deep.

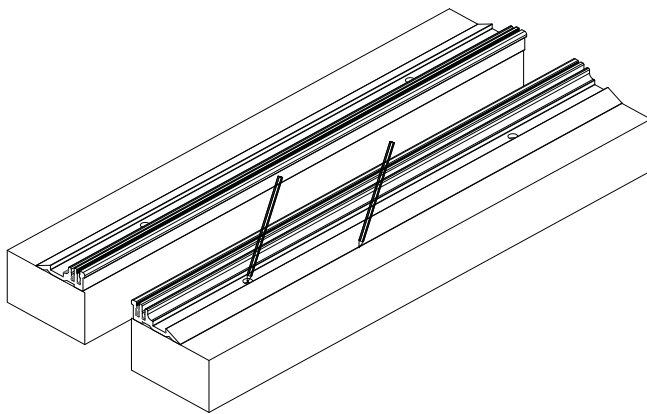


Figure 1A

IPC.3037.REV1

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Figure 2 & 3

6. Reference separate Moisture Barrier installation instructions (RVB) to insure proper membrane detailing.
7. Return the frames to concrete centering the holes in the frame with the holes in the concrete.
8. Fasten the frames to the concrete using a 3/8" [10mm] x 2 1/2" [64mm] long Hex Head Concrete Screw Anchor.
9. Verify project topping slab thickness and finishes. Ensure base and stackable frame coordination in 1" [25mm] increments. Utilize epoxy grouts to raise 1/2" (13mm) increments.
10. Slide in Stackable Frame in Base. If using lubrication, clean frame thoroughly before step 11.
11. Lap and adhere Deck Membrane (by others) to Base per Fig 3.

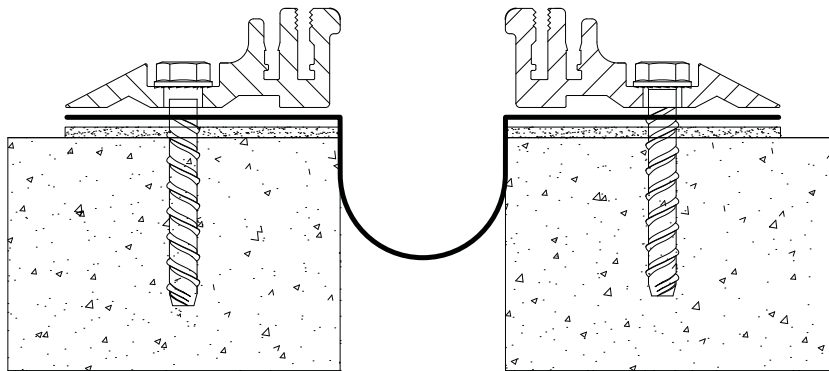


Figure 2

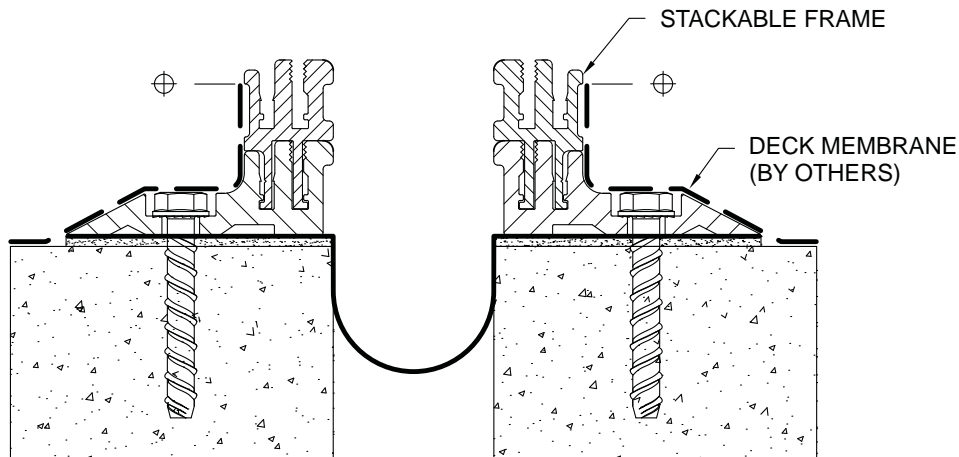


Figure 3

Installation Instructions

Joint Systems: SR Series Floor/ Floor Condition

Figure 4 & 4A

12. Ensure compatability of supplied counterflashing with deck membrane (SBS polyester or synthetic rubber available).
13. Install Tinnerman Clips on one side of the provided SBS counterflashing at each end and 24" [610mm] on center.
14. Insert Tinnerman Clip and waterproofing membrane into frame as shown. Ensure the clip is fully seated to the bottom of the channel.
15. At butt ends of provided SR system counterflashing, apply 3" wide seam protection top to bottom Fig 4A.
16. Supplied counterflashing should lap frame and onto membrane min. 8" [200mm].
17. Install final deck membrane overlay and lap per manufacturer's seam details (ref waterproofing membrane parapet details for direction).

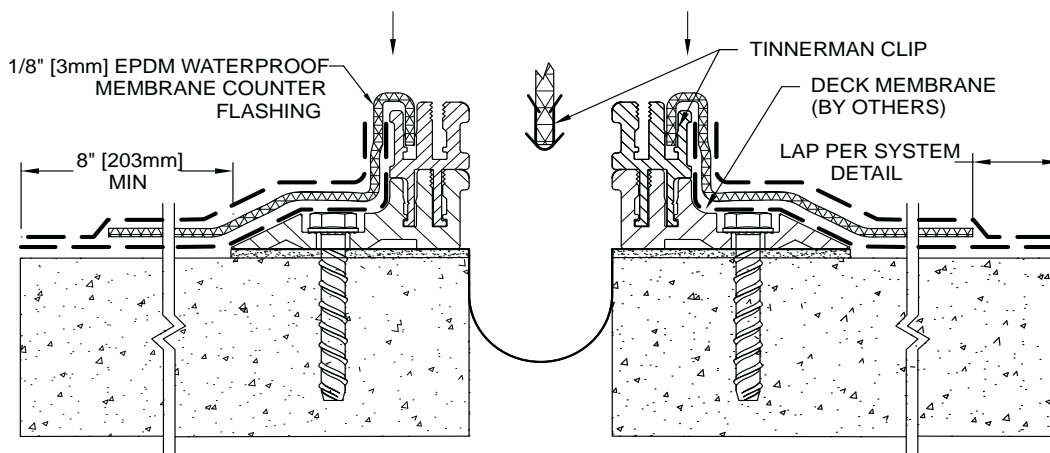


Figure 4

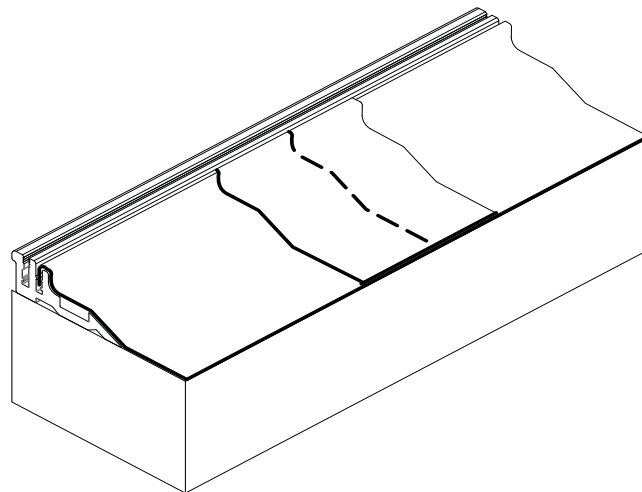


Figure 4A

Installation Instructions

Joint Systems: SR Series Floor/ Floor Condition

Figure 4A

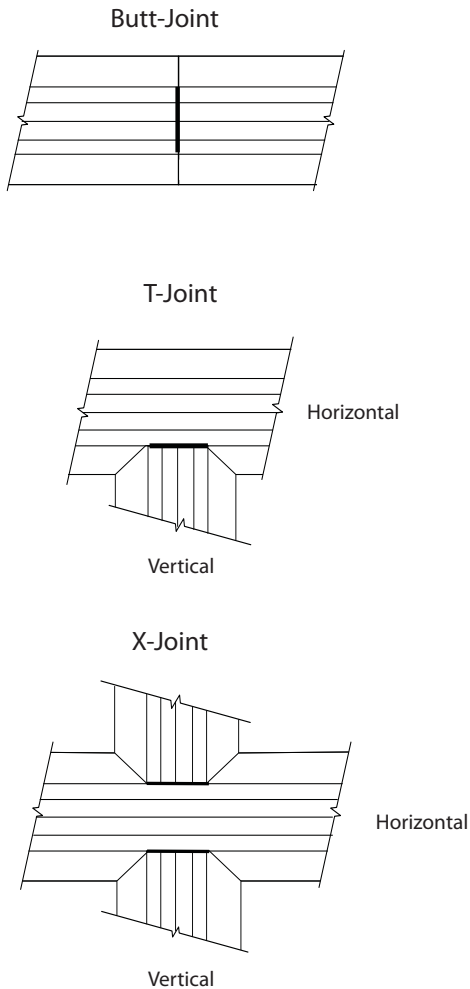


Figure 4B

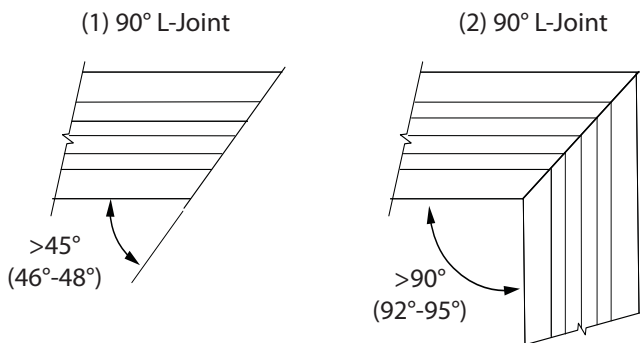


Figure 4A Butt End Intersections

1. Add approximately 1/2" - 1" extra material at seams to ensure that the seam is in compression after installation.
2. Verify that the new piece of material is cut square to existing material and not at an angle.
3. Using a heat welding tool (hot iron), heat both faces to be adhered, once material of the heated area begins to curl remove heat welding plate and use slight pressure to adjoin the faces together.
4. At "T" and "Cross" intersections install horizontal material first. Butt the vertical material tightly up to the horizontal material.

Figure 4B: 90° "L" Intersections

1. Cut first length of seal material at an angle greater than 45° such as 46°-48°. Repeat step for mating piece of seal.
2. Using a heat welding tool, heat both faces to be adhered, once material of the heated area begins to curl remove heat welder plate and use slight pressure to join the faces together.

IMPORTANT: If a splice is to be made because the installation can't be completed; leave approx. 2'-0" [60cm] of seal and substrate free of epoxy for later splicing and installation.

Installation Instructions

Joint Systems: SR Series Floor/ Floor Condition No Cover Plate

Figure 5 & 6

18. Insert Seal Tabs into frame. Soapy water will assist to seat the tab.

19. Position the Retainer Angle over the seal.

20. Assemble the #12 Flat Head Screw compressing the seal to the frame. Use a square bit S2.

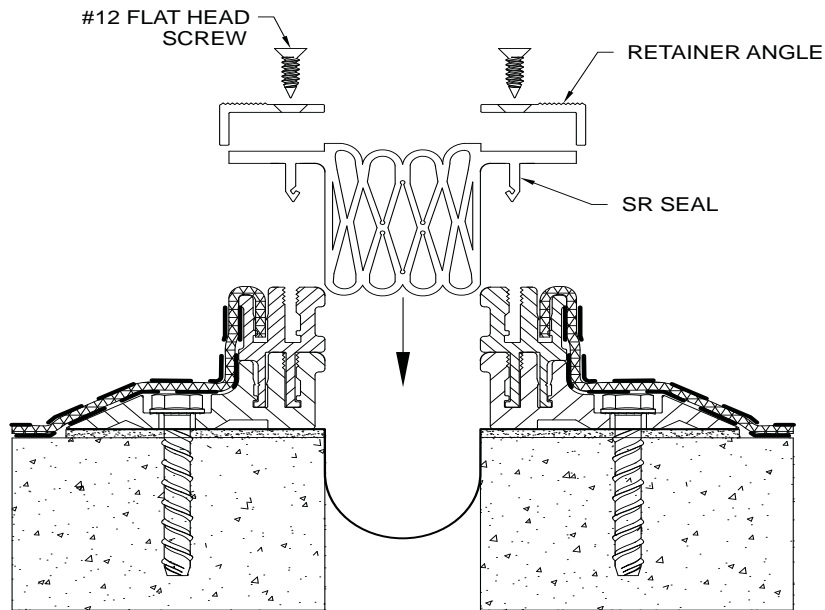


Figure 5

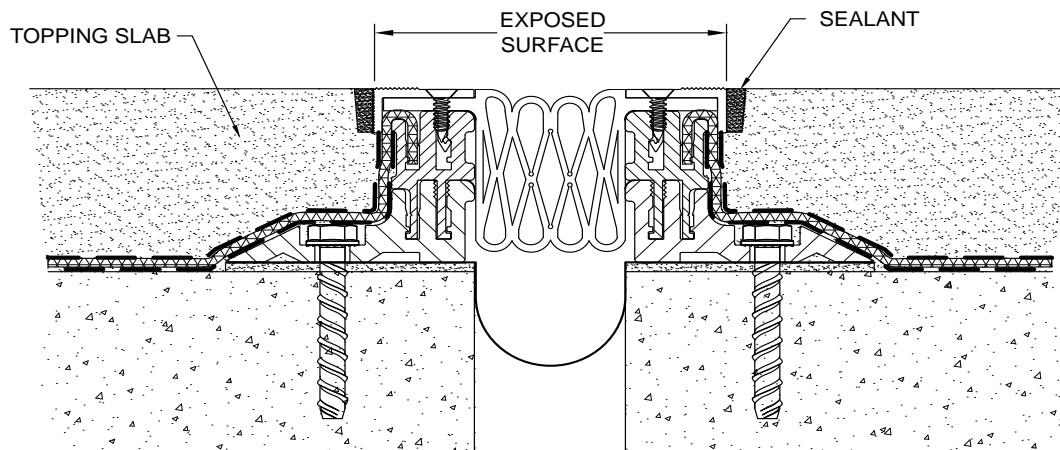


Figure 6

Installation Instructions

Joint Systems: SR Series Floor/ Floor Condition With Cover Plate

Figure 7 & 8

21. Insert Seal Tabs into frame. Soapy water will assist to seat the tab.
22. Position the Retainer Angle / Frame For Cover Plate over the seal.
23. Assemble the #12 Flat Head Srew compressing the seal to the frame. Use a square bit S2.
24. Locate the Cover Plate over threaded portion of the frame and fasten the 1/4" [6mm] screw.
25. Protect exposed surface during pouring the topping slab.
26. Clean the exposed with the xylene and apply sealant as indicated on both sides.

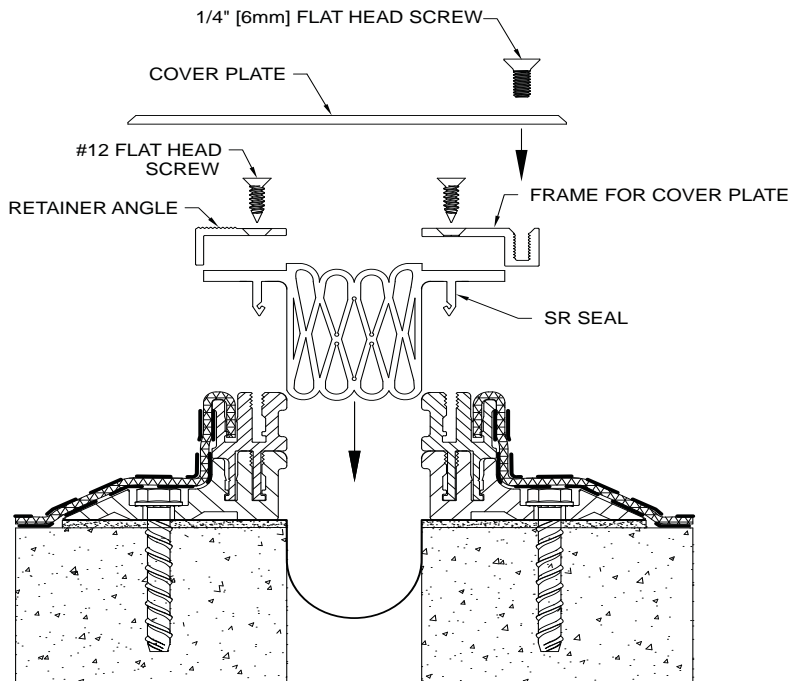


Figure 7

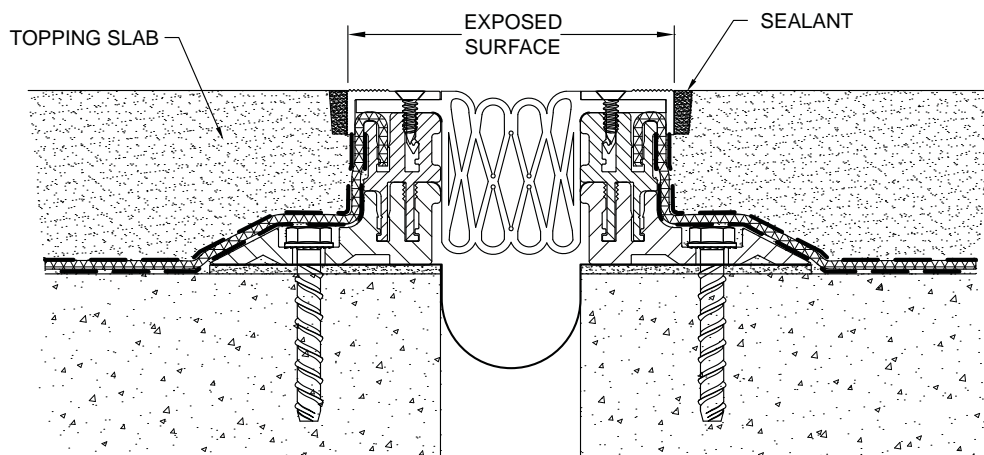


Figure 8

Installation Instructions

Joint Systems: SR Series Floor/ Wall Condition

Figure 9 & 10

NOTE: Assemble floor side the same as floor/floor system.

27. Cut Seal Tab on the wall side.

28. Insert Seal Tab into frame on floor side. Soapy water will assist to seat the tab.

29. Position the Retainer Angle over the seal.

30. Assemble the #12 Flat Head Screw compressing the seal to the frame. Use a square bit S2.

31. Drill (7) 1/4" [6mm] 5/8" [15mm] from the bottom of the Wall Retainer 6" [152mm] from each end and 18" [457mm].

32. Position the Wall Retainer. Apply primer and epoxy and adhere to the wall.

33. Anchor Wall Retainer with a 1/4" [6mm] concrete screw.

34. Protect exposed surface during pouring the topping slab.

35. Clean the exposed with the xylene and apply sealant as indicated on floor side.

36. Apply sealant to both sides of the SR Seal System as shown.

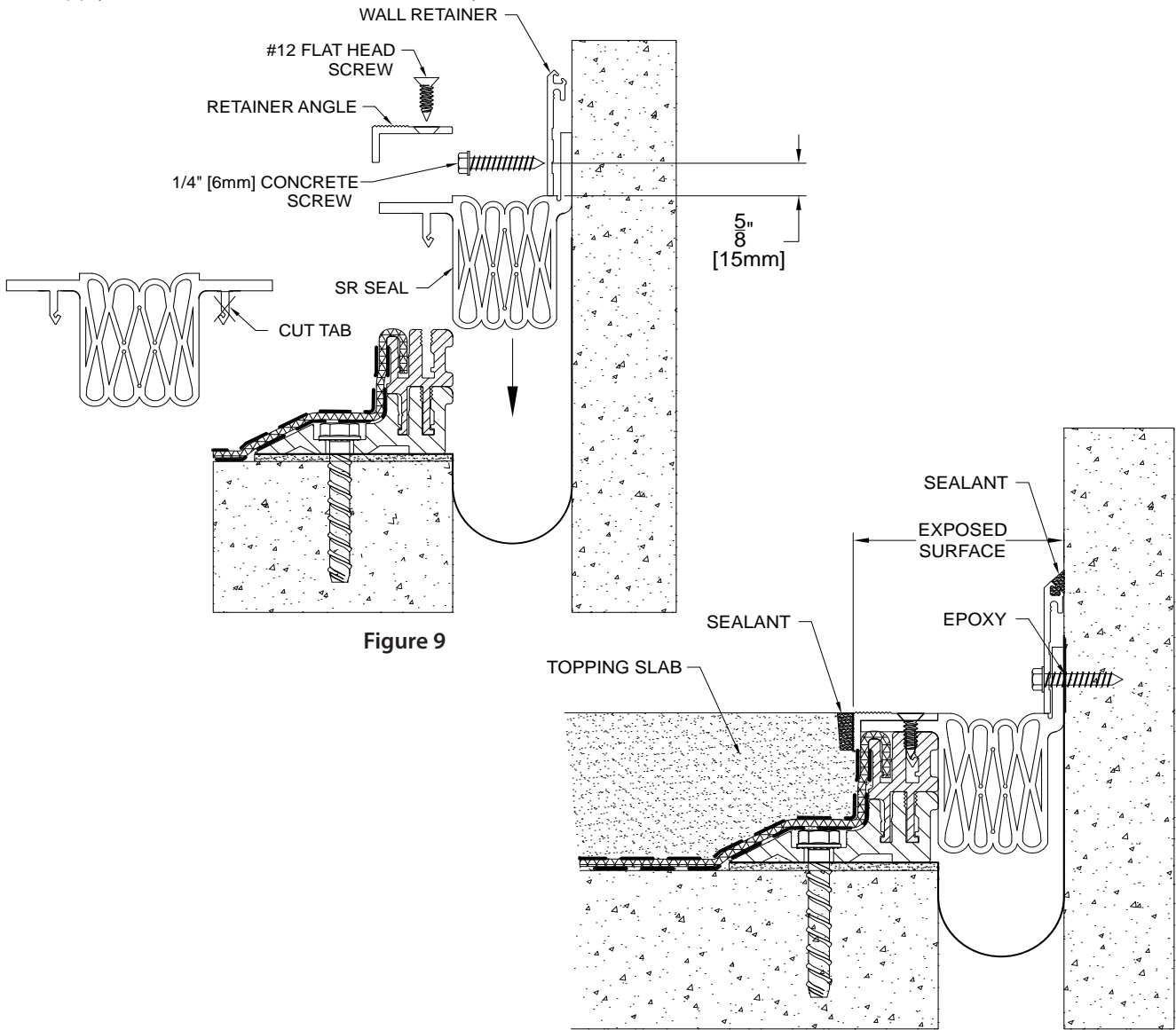


Figure 9

Figure 10

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Installation Instructions

Joint Systems: SR Series Floor/ Floor Condition On Structural Angle

Note: Seals are delivered in either wooden reels or large steel reels depending on order size and contractor storage ability. Store reels in a secure area to keep the seals clean and free from damage. Jointmasters SR frame can be seated on 1/4" [6mm] thick hot dipped galvanized structural angle. Coordinate length of the verticle leg with finish floor elevation.

Figure 11 & 11A

37. If purchasing angle from a steel supplier, prep horizontal leg per dimensions provided. Following fabrication hot dip galvanized angle.

38. Locate the Structural Frame Base 1/2" [13mm] from the edge of the expansion joint.

39. Mark the holes on the concrete and remove the frames.

40. Drill the holes using a 3/8" [9.5mm] diameter drill bit to a minimum of 3" [76mm] deep.

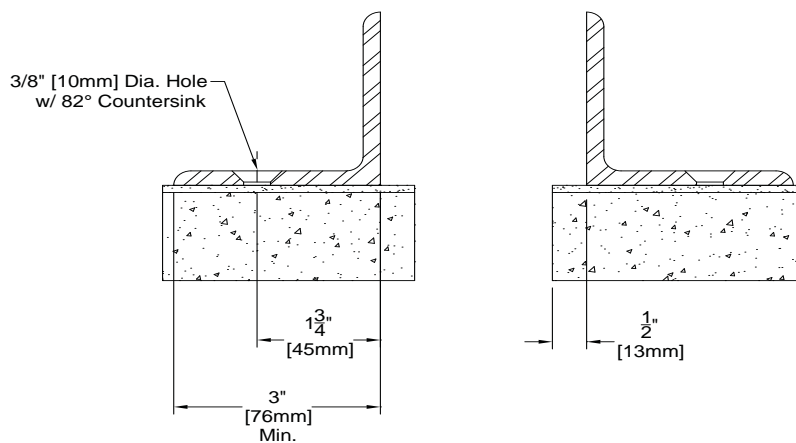


Figure 11

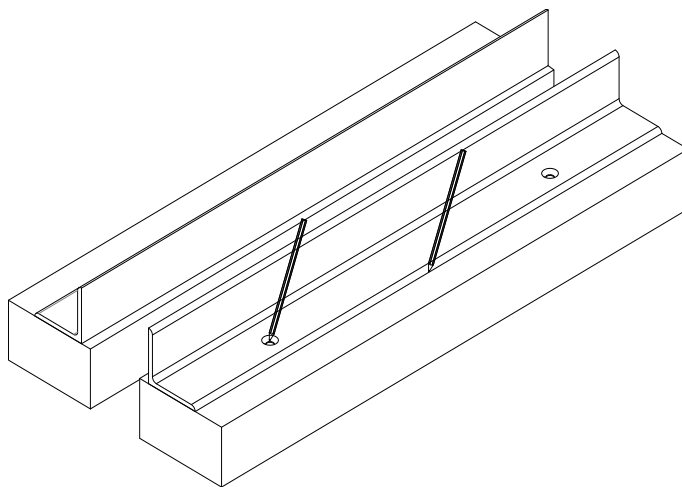


Figure 11A

Installation Instructions

Joint Systems: SR Series Floor/ Floor Condition On Structural Angle

Figure 12

41. Reference separate Moisture Barrier installation instructions (RVB) to ensure proper membrane detailing.
42. Tap down Stackable Frame on to Structural Angle to desired height.
43. Center the drill bit on the v-groove and drill a 9/32" [7mm] thru the Stackable Frame and Angle. Start at 6" [152mm] from the end and 18" [457mm] on center.
44. Spray exposed steel hole with cold galvanized coating.
45. Assemble the 1/4" [6mm] Button Head Socket Head Cap Screw with the nut.

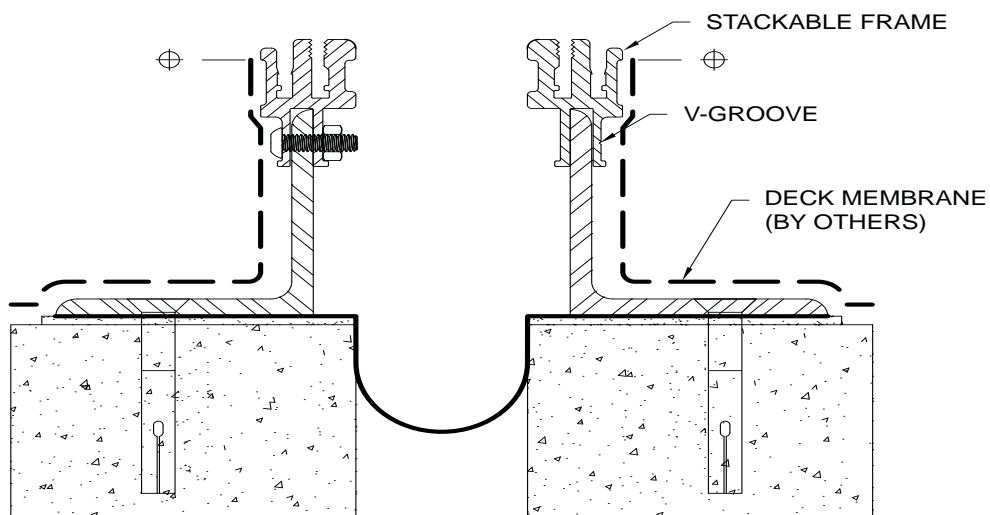


Figure 12

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Joint Systems: SR Series Floor/ Floor Condition On Structural Angle

Figure 13 & 13A

46. Lap and adhere Deck Membrane (by others) to Frame and Angle
47. Ensure compatability of supplied counterflashing with deck membrane (SBS polyester or synthetic rubber available).
48. Install Tinnerman Clips on one side of the provided SBS counterflashing at each end and 24" [610mm] on center.
49. Insert Tinnerman Clip and waterproofing membrane into frame as shown. Ensure the clip is fully seated to the bottom of the channel.
50. At butt ends of provided SR system counterflashing, apply 3" wide seam protection top to bottom Fig 13A.
51. Supplied counterflashing should lap over deck membrane min. 8" [200mm].
52. Install deck membrane overlay and lap per system seam details (ref waterproofing membrane parapet details for direction).

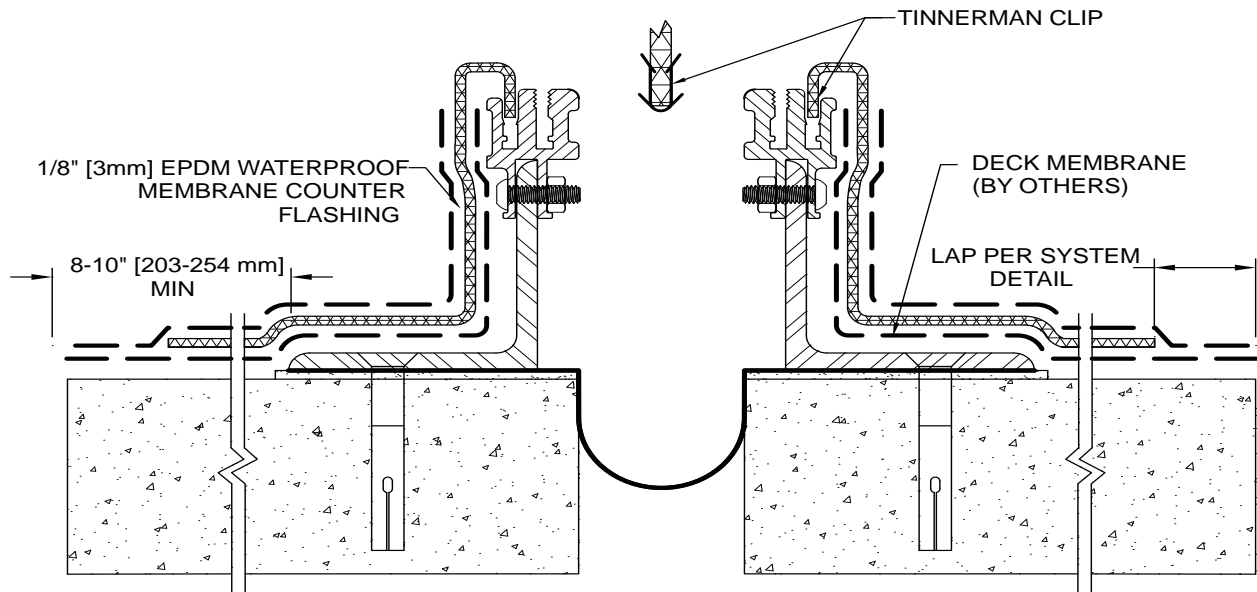


Figure 13

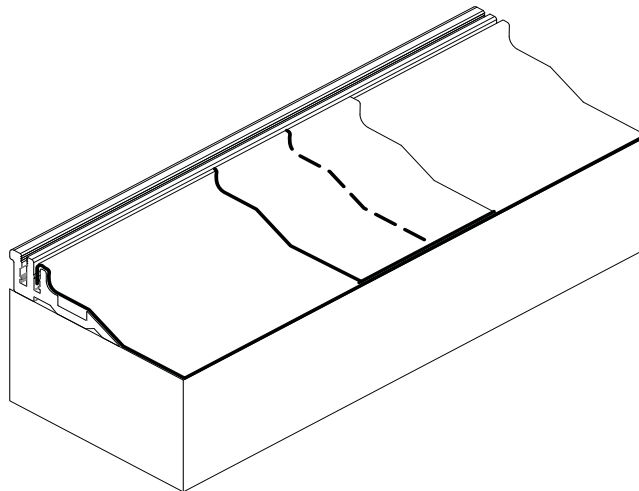


Figure 13A

Installation Instructions

Joint Systems: SR Series Floor/ Floor Condition On Structural Angle No Cover Plate

Figure 14 & 15

53. Insert Seal Tabs into frame. Soapy water will help to seat the tab.

54. Position the Retainer Angle over the seal.

55. Assemble the #12 Flat Head Screw compressing the seal to the frame. Use a square bit S2.

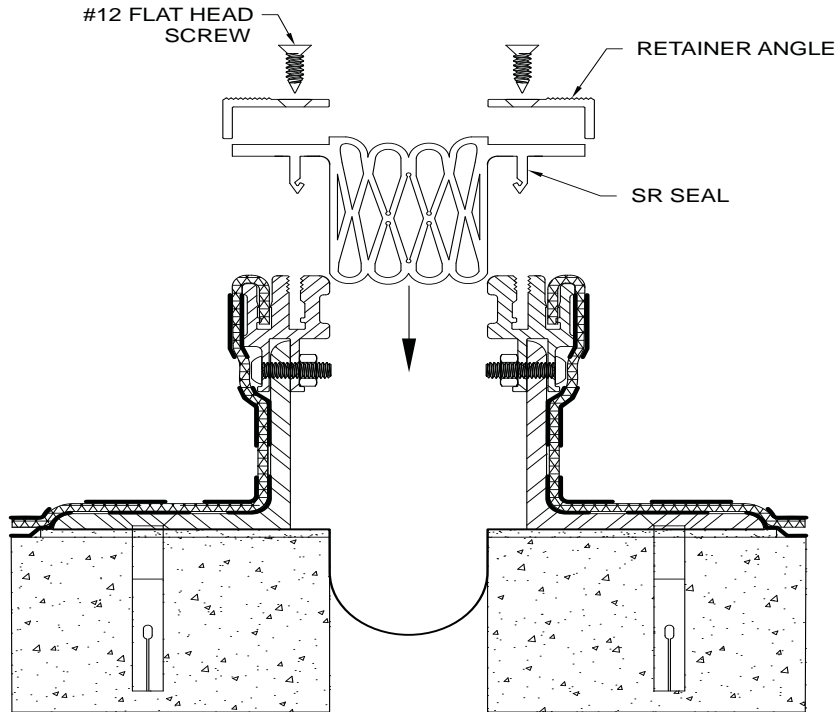


Figure 14

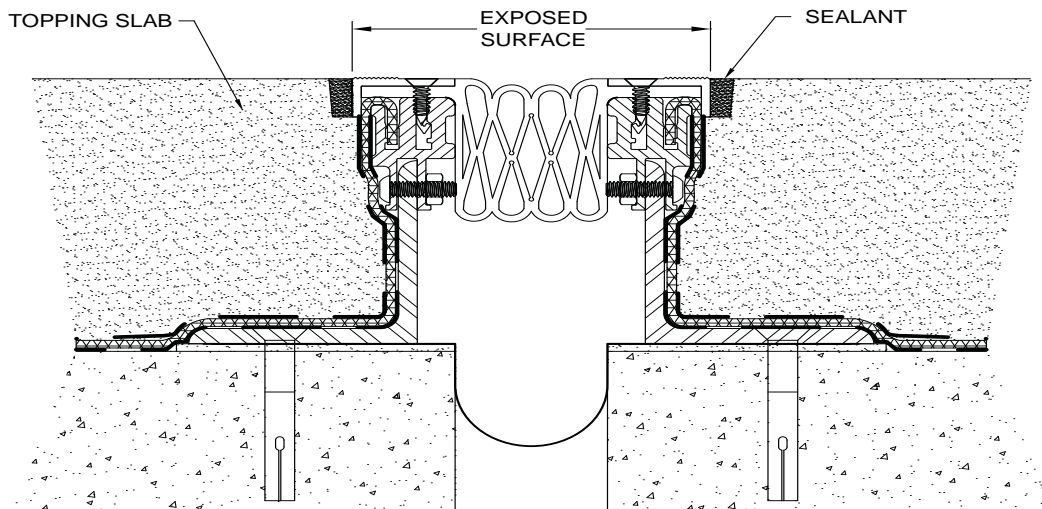


Figure 15

Installation Instructions

Joint Systems: SR Series Floor/ Floor Condition

Figure 15A

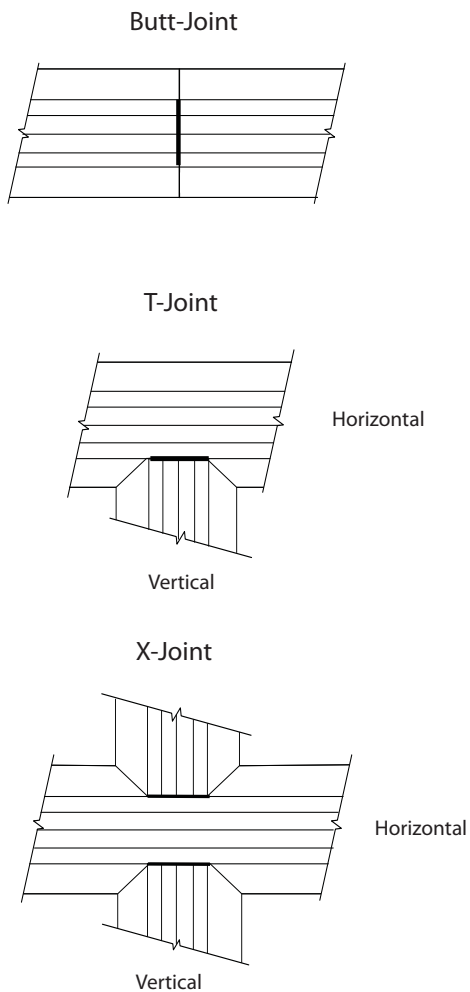


Figure 15A Butt End Intersections

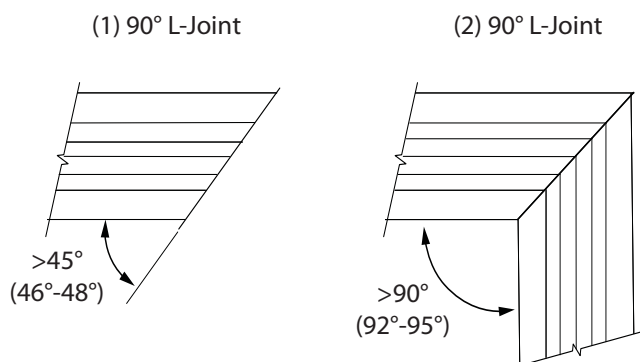
1. Add approximately 1/2" - 1" extra material at seams to ensure that the seam is in compression after installation.
2. Verify that the new piece of material is cut square to existing material and not at an angle.
3. Using a heat welding tool (hot iron), heat both faces to be adhered, once material of the heated area begins to curl remove heat welding plate and use slight pressure to adjoin the faces together.
4. At "T" and "Cross" intersections install horizontal material first. Butt the vertical material tightly up to the horizontal material.

Figure 15B: 90° "L" Intersections

1. Cut first length of seal material at an angle greater than 45° such as 46°-48°. Repeat step for mating piece of seal.
2. Using a heat welding tool, heat both faces to be adhered, once material of the heated area begins to curl remove heat welder plate and use slight pressure to join the faces together.

IMPORTANT: If a splice is to be made because the installation can't be completed; leave approx. 2'-0" [60cm] of seal and substrate free of epoxy for later splicing and installation.

Figure 15B



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Joint Systems: SR Series Floor/ Floor Condition On Structural Angle With Cover Plate

Figure 16

56. Insert Seal Tabs into frame. Soapy water will help to seat the tab.
57. Position the Retainer Angle / Frame For Cover Plate over the seal.
58. Assemble the #12 Flat Head Srew compressing the seal to the frame. Use a square bit S2.
59. Locate the Cover Plate over threaded portion of the frame and fasten the 1/4" [6mm] screw.

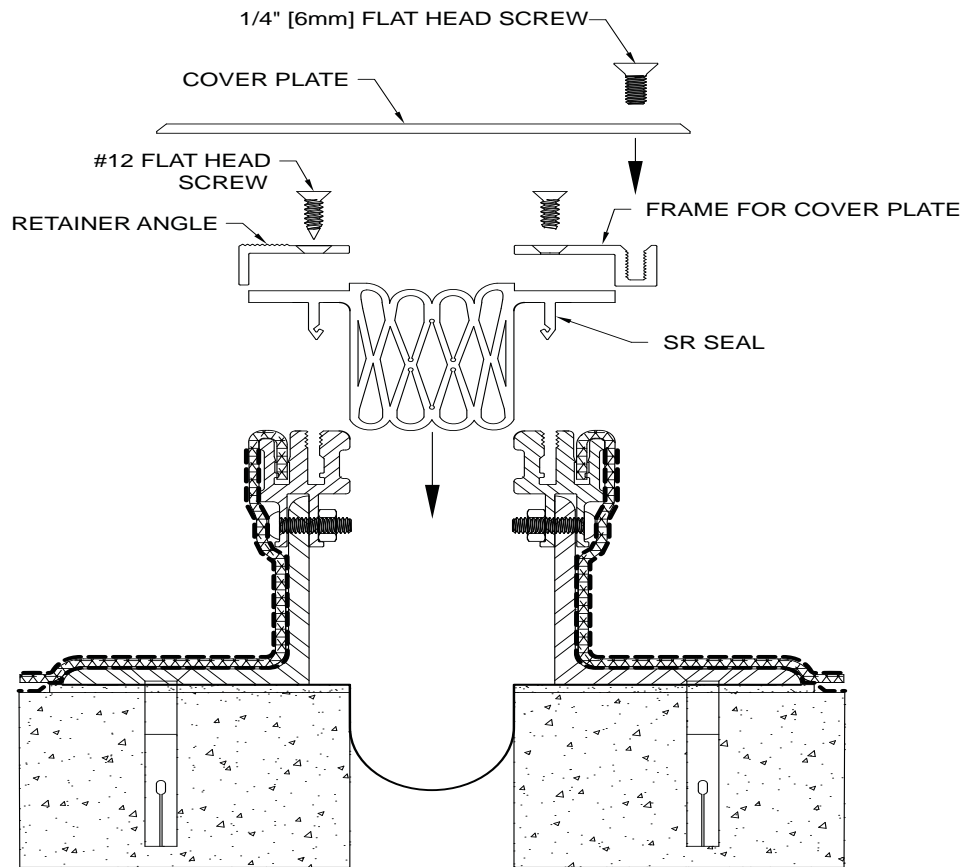


Figure 16

Installation Instructions

Joint Systems: SR Series Floor/ Floor Condition On Structural Angle With Cover Plate

Figure 17

60. Protect exposed surface during pouring the topping slab.
61. Clean the exposed with the xylene and apply sealant as indicated on both sides.

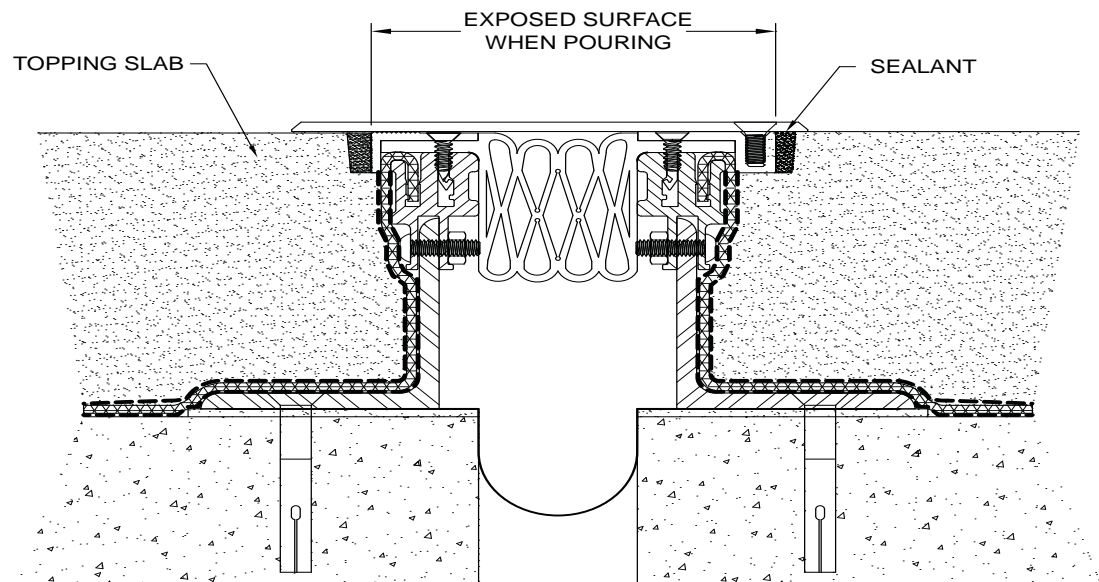


Figure 17

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Joint Systems: SR Series Floor/ Wall Condition On Structural Angle

Figure 18 & 19

NOTE: Assemble floor side the same as floor/floor system.

62. Cut Seal Tab on the wall side.
63. Insert Seal Tab into frame on floor side. Soapy water will help to seat the tab.
64. Position the Retainer Angle over the seal.
65. Assemble the #12 Flat Head Srew compressing the seal to the frame. Use a square bit S2.
66. Drill (7) 1/4" [6mm] 5/8" [15mm] from the bottom of the Wall Retainer 6" [152mm] from each end and 18" [457mm].
67. Position the Wall Retainer compressing the seal against the wall. Apply primer and epoxy and adhere to wall.
68. Anchor Wall Retainer with a 1/4" [6mm] concrete screw.
69. Protect exposed surface during pouring the topping slab.
70. Clean the exposed with the xylene and apply sealant as indicated on both sides.
71. Apply sealant to both sides of the SR Seal System as shown.

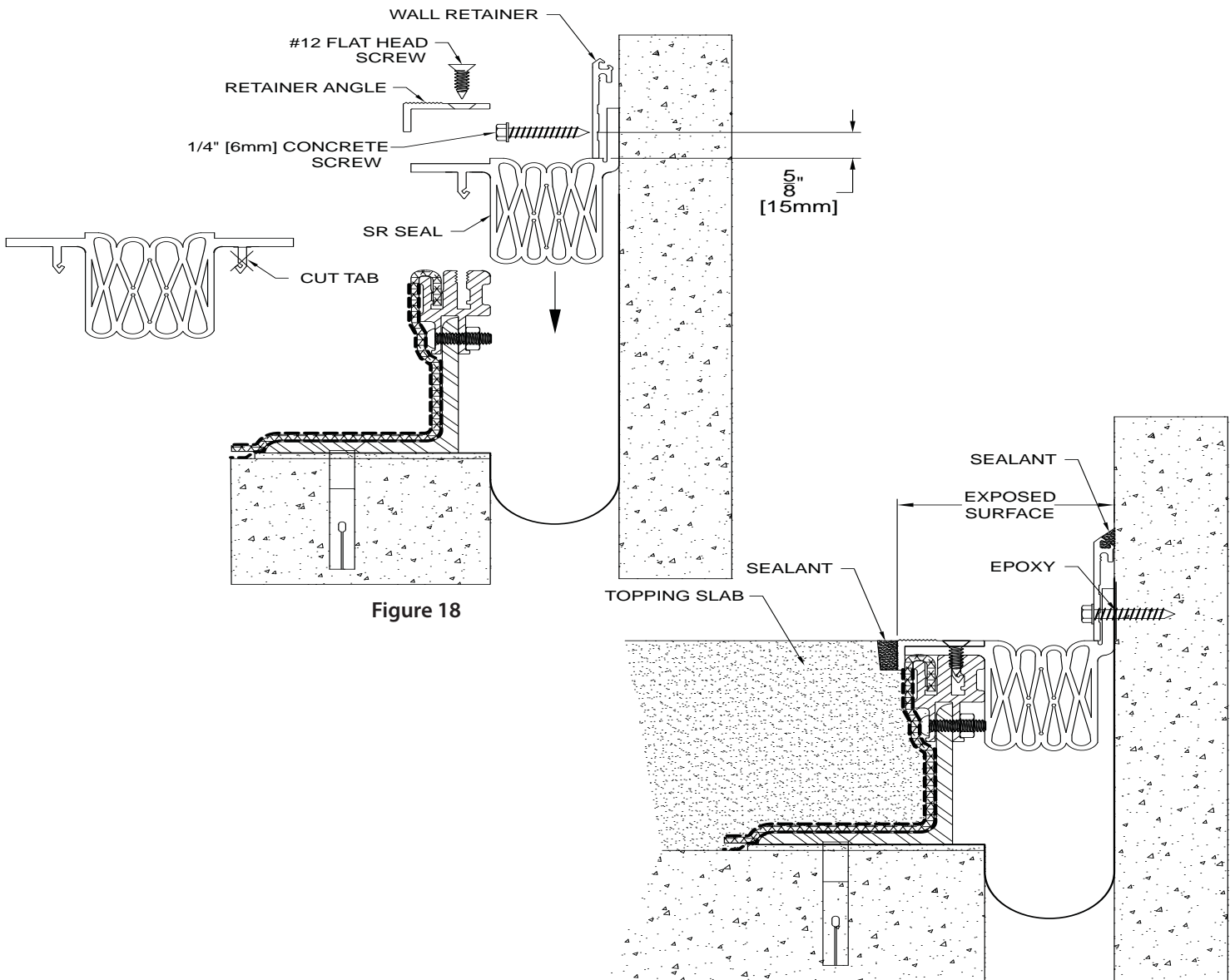


Figure 18

Figure 19

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