

Installation Instructions

F520 Fire Barrier Floor to Floor Bottom Mount



STORE AND INSTALL BLANKETS SUCH THAT THE PRODUCT REMAINS DRY.

NOTES:

1. Verify that the structural gap and blockout dimensions are in conformance with submittal data before beginning installation. Certification of this product was completed by Guardian and Intertek Testing Laboratories. Product must be installed in accordance with these Installation Instructions
2. For vertical (wall) installations, for single sided and double sided blankets available. For single sided product, ensure drape of blanket faces "potential threat" side of wall.
3. If job site specific conditions exist, these general installation instructions do not take place of an Engineering Evaluation if required. Any modifications made to the product without documented manufacturing direction will void the warranty.
4. F520 Fire Barrier is delivered pre-assembled. Transitions/directional changes must be installed first.

Figure 1

1. Remove the female end to create a butt end. Start at the outside wall with the butt end. Measure the depth of the wall to the back of the exterior cover, and cut the flange on the butt end that distance. Insert the end into the wall up to the exterior expansion cover. The standard F520 Fire Barrier has 12" (305mm) overlap at each end. One end is the male and the other is the female. Sections are 10' (3.05m) long.
2. Install the next section, nesting the female on to the male end tightly.
3. If the exterior wall is fire rated reference figure 1a vertical wall fire barrier instructions.
4. Complete the install by installing all the female to female transitions.

Figure 1a

5. When you reach an interior wall measure the distance from the edge of the wall to the edge of the flange. Mark that distance on the flange of the next section of fire barrier. Measure the depth of the wall and trim the flanges that distance from the mark.
6. Slide the fire barrier thru the wall to the section of fire barrier. The trimmed flanges must line up with the wall.
7. If the wall is fire rated you must use a vertical butt end up to the bottom mount fire barrier.
8. Apply 3M CP25 Fire Caulk to the edge of the vertical butt end. Press tight to the bottom mount fire barrier. Be sure there are no voids between the two.

Figure 2 & 2a

9. Flanges are expanded metal. Ensure flanges are pressed tight and held fl at to the substrate.
10. Utilize hardware appropriate to the substrate (supplied by others) with a maximum spacing of 12" (305mm) O.C. Examples of hardware for various conditions are:
 - Floor- Hilti #27 pin or Min 1/4" (6mm) concrete/ wood screw with washer
 - Wall- Hilti #27 pin or Min 1/4" (6mm) concrete/ self drilling screw with washer

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Fig 1

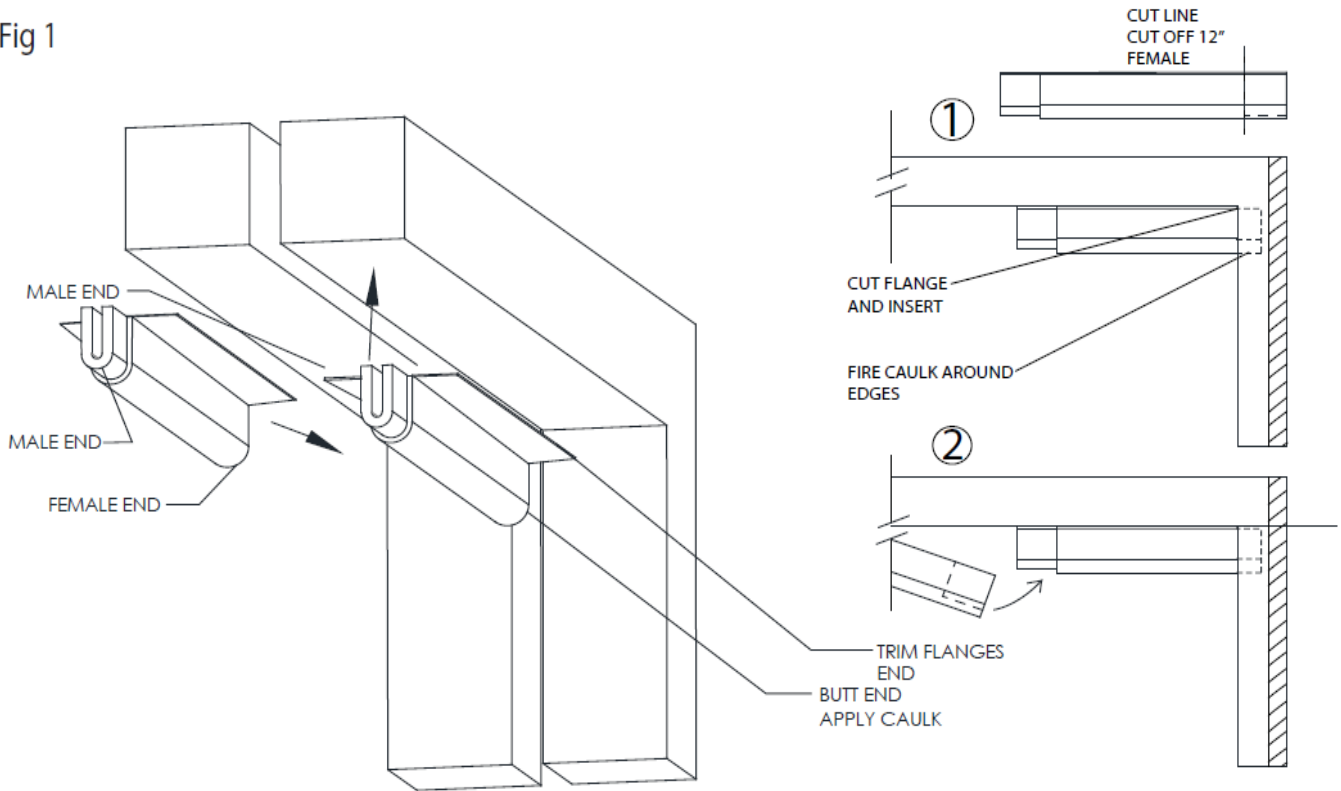


Fig 1a

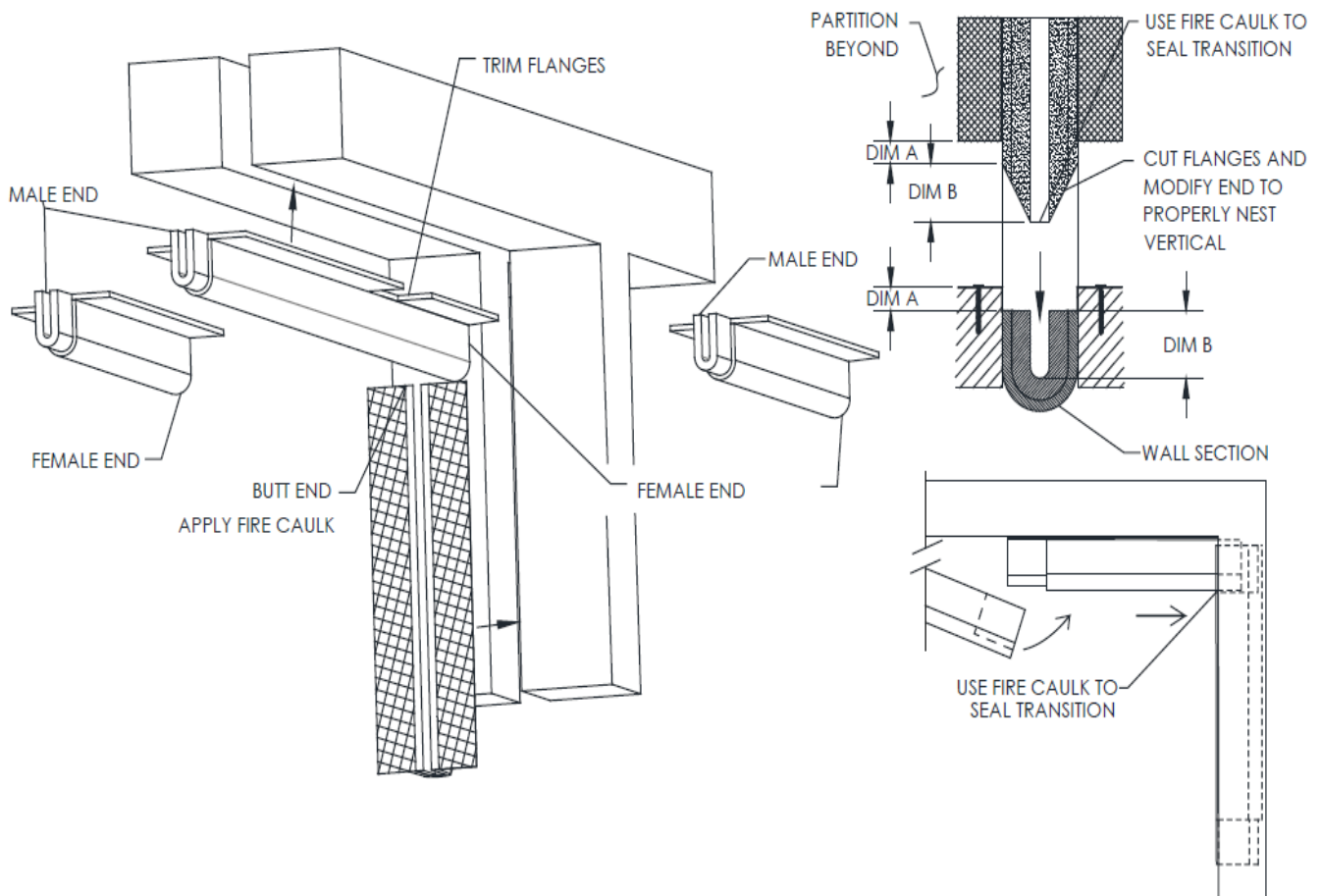


Fig 2

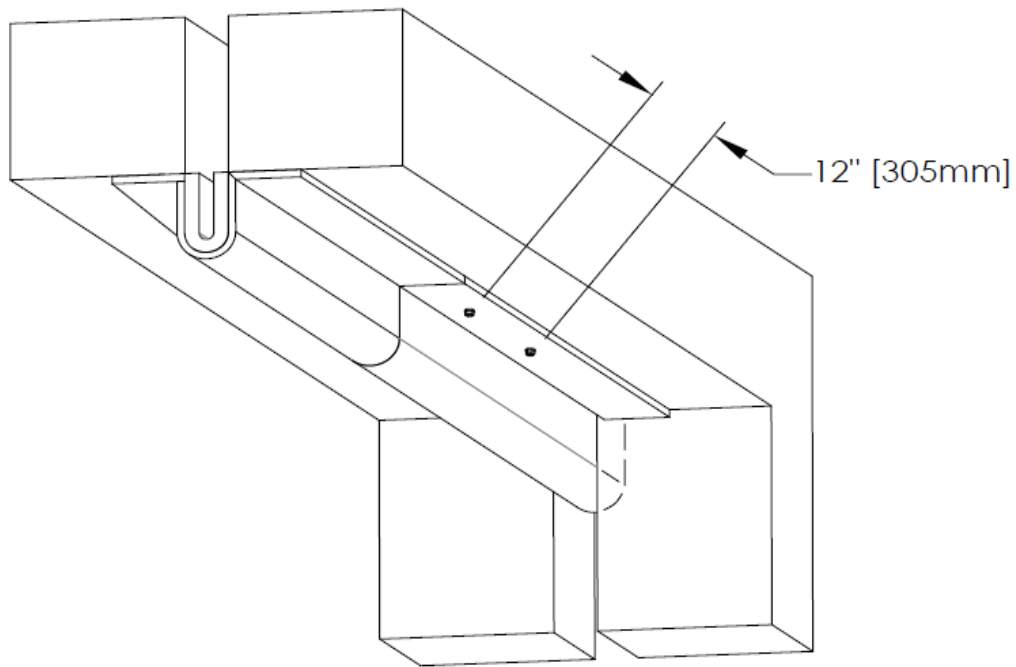
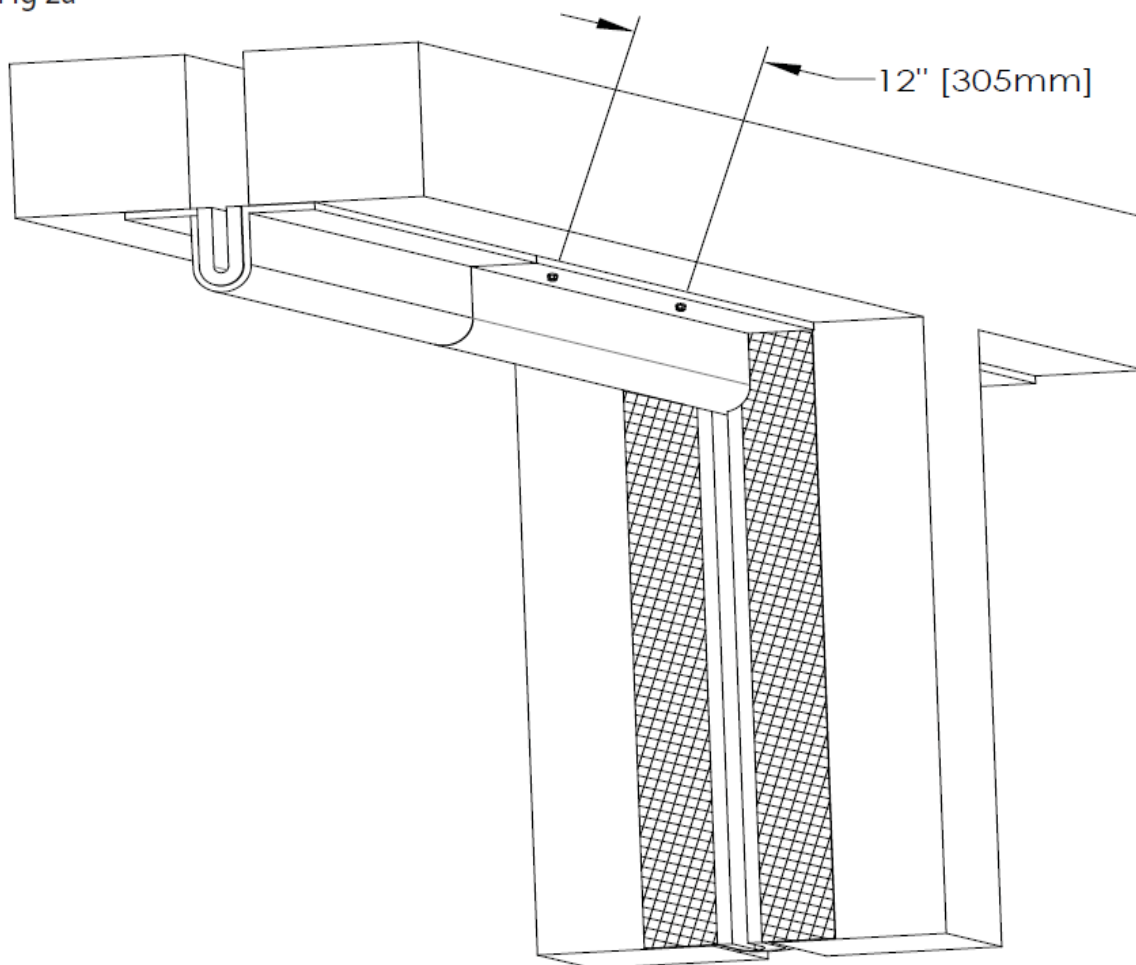


Fig 2a



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Figure 3 & 3a

11. Fasten the vertical wall flange first. Make sure the top of blanket is even with the bottom of the floor. Then fasten the horizontal to the floor.

Fig 3

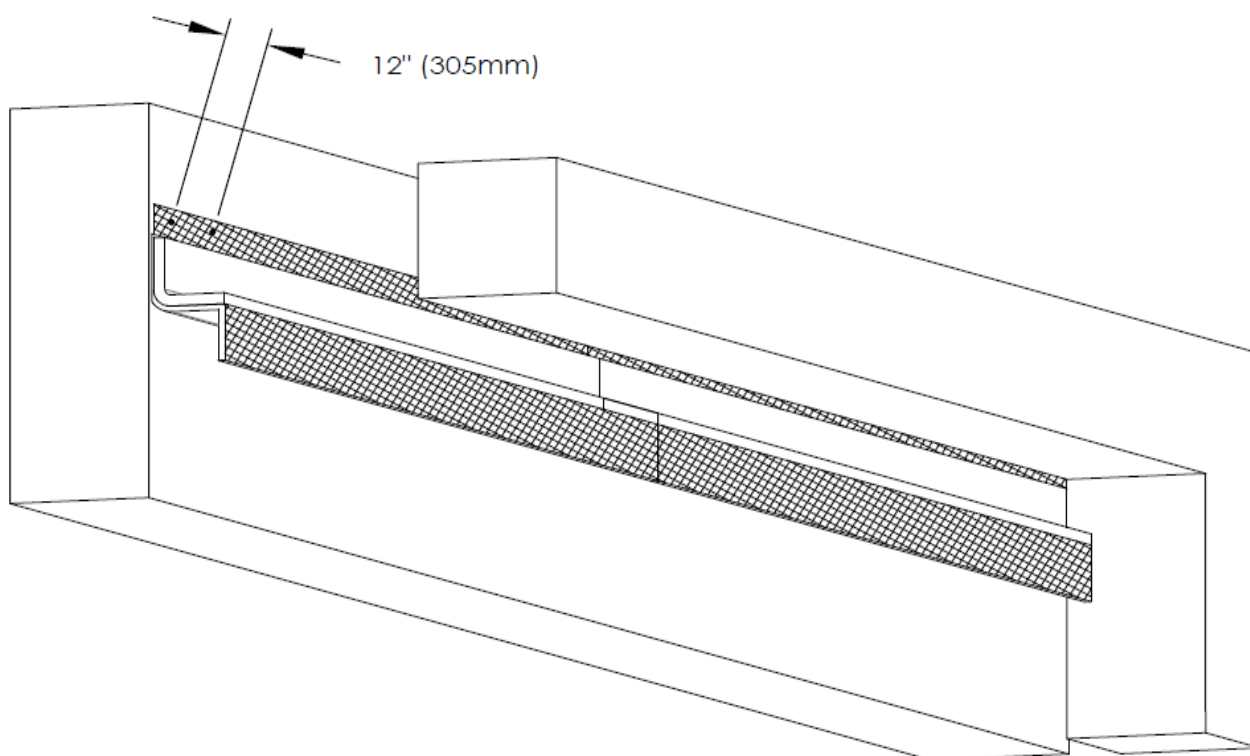
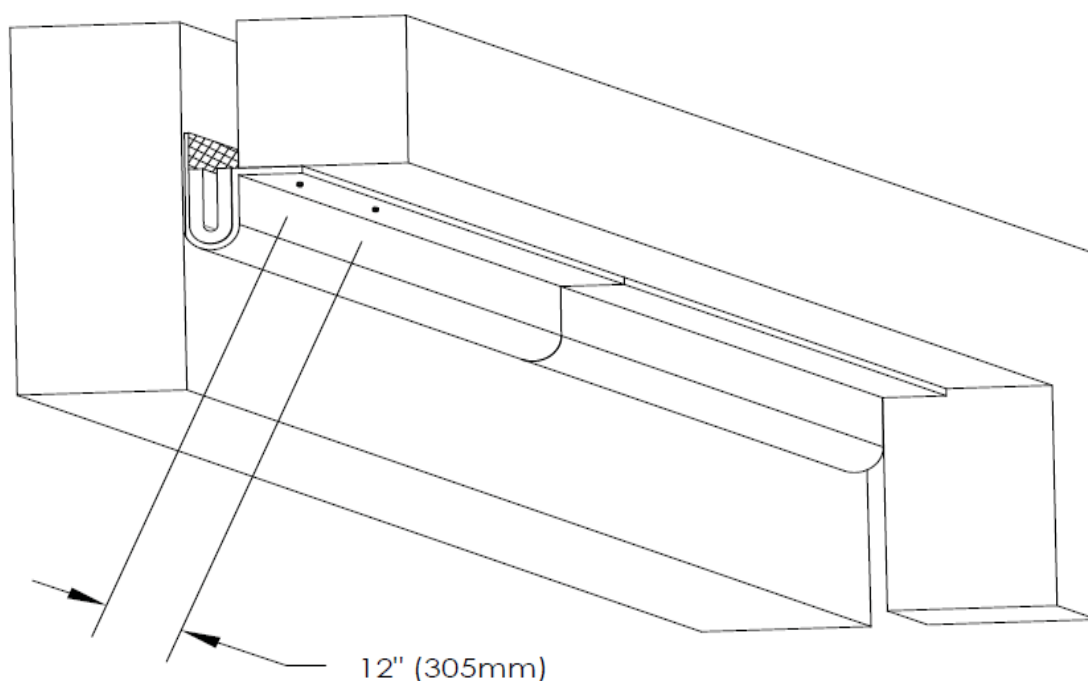


Fig 3a



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Figure 4

- Water guard has pre-attached, solid galvanized sheetmetal flanges and comes in 4' (1.2m) sections. One end is the male and the other is the female end. Installation procedures are consistent with the standard Fire Barrier. One additional step exists is the overlap and sealing of the silicone membranes. The 4" (102mm) long silicone membrane that will get caulked 1" (25mm) from the end on to the next section.
- The optional drain is 1/4" (6mm) every 30' (9144mm). There is 90 degree fitting with a 3/8" (9.5mm) ID x 8" (203mm) long tube attached. The customer is responsible for drain attachment to existing plumbing.

Fig 4

