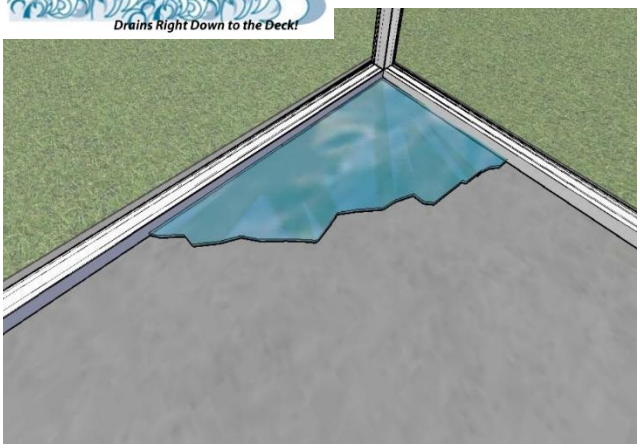
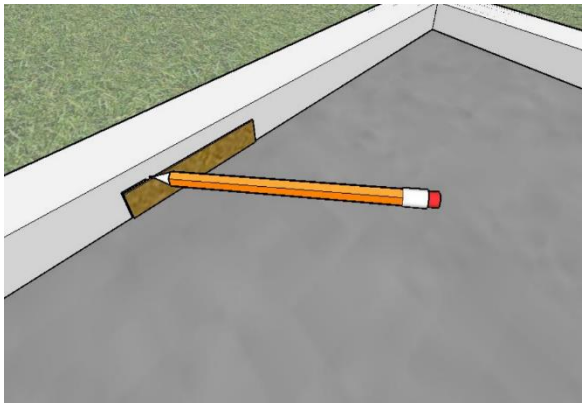
General Installation discussion; Flash Drain elements:

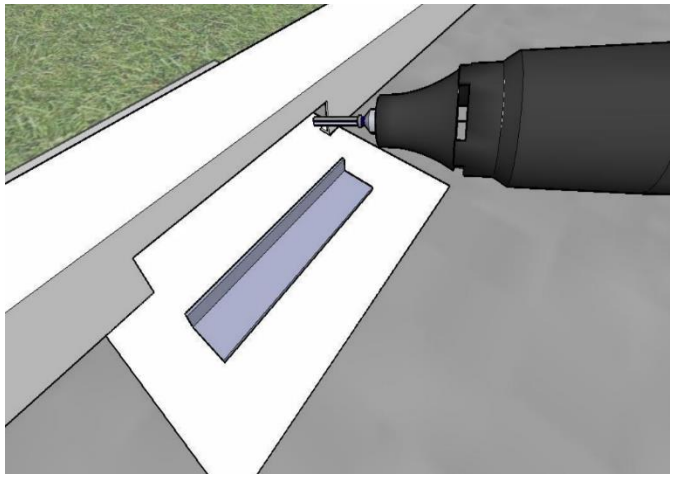


Water accumulation trapped on decks inside aluminum floor members is common. A quick overview of the Flash Drain installation is as follows:

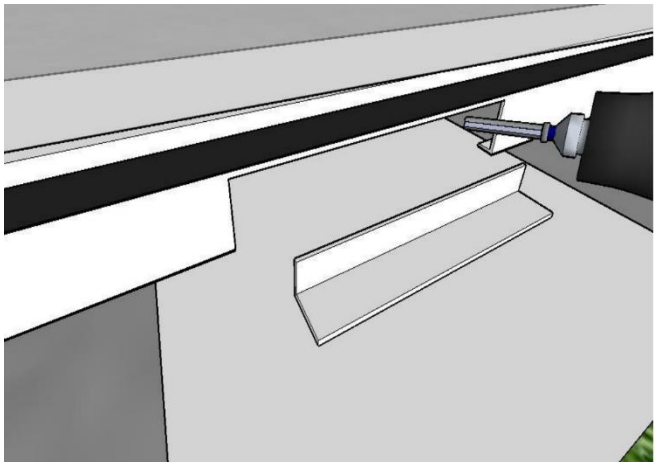
Having identified standing water and areas, selected installation sites, and dried off the work area, a pencil is used to mark around the template that is included with the Flash Drain Grate elements. The area inside the pencil lines is material to be removed on both sides of the aluminum floor member.

Right and below, we are showing where the installer has loosened the flooring member hold-down bolts (just out of frame on both sides of the pre-marked cut-out area) and inserted a thin piece of protective material between the aluminum flooring member and the deck to avoid hitting the flooring with the cutting tool bit. This example is a common five by seven inch piece of aluminum (a 1/16” raise enables workspace)



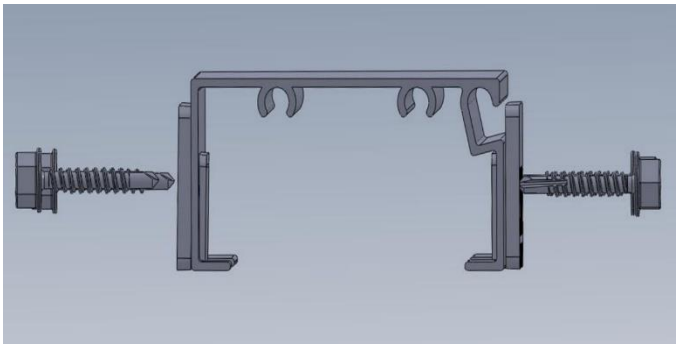


A power tool is used with a suitable one-eighth inch cutting bit to plunge into the ‘waste’ area and cut just inside the pencil line marked around the template ***(err on the small side for the opening, file to fit for better results)***



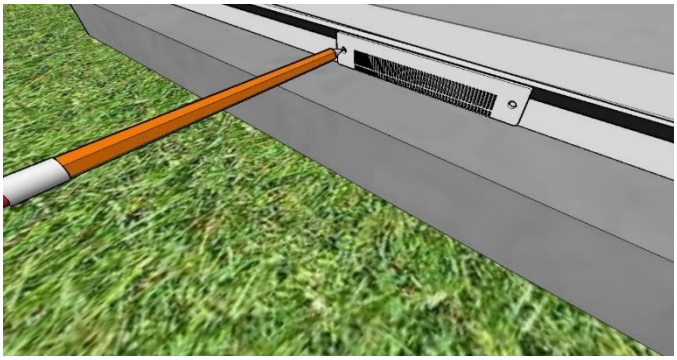
The same setup and cut operation is accomplished on the exterior side of the aluminum flooring member as well.

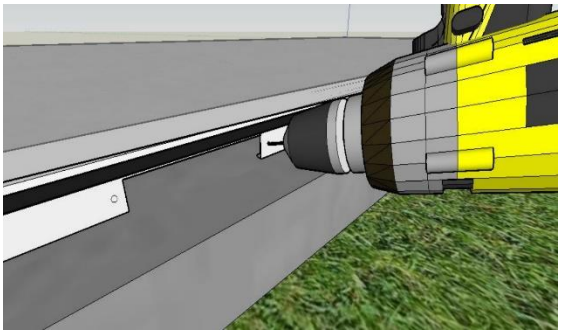
The opening, being just under five-eighths of one inch tall, stays under the screen spline receiver shown here on a common two-inch wide, one-inch-tall aluminum floor member.



In the cutaway drawing shown left, note that ***the Flash Drain cut-out area is below the screen spline receiver*** and note also that the flooring member itself becomes the water conduit. ***With the screen spline receiver staying intact,*** there are no problems later if re-screening activity is required.

Shown right, we dry fit the Drain element into the pre-cut installation hole and use a pencil to mark spots for pre-drilling pilot holes to receive the number eight screws on hand in the typical tradesman's pouch.

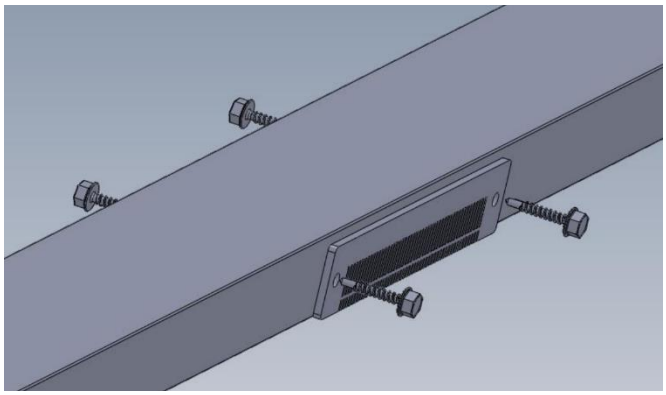


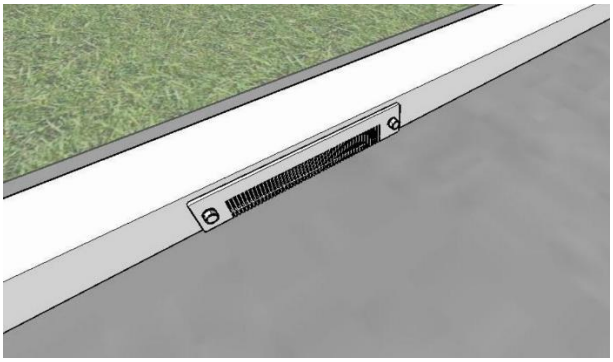


Although the color-matched common fasteners used in aluminum enclosure assembly are often "self-drill and-tapping," we have found that too much pressure or torque can bend the aluminum around the cutout or strip the pre-drilled holes.

We recommend pre-drilling small pilot holes for the screws after pre-marking them with the Drain elements dry fit into the opening prior to final screw installation.

The drawing right shows two Number 8 x 3/4" White or Bronze screws typically on hand, with those in the trade being used to secure the Drain elements on both sides of the flooring member.





The final step is to snug up the previously loosened hold-down Fasteners to the left and right of the drain install and finish the area clean up.