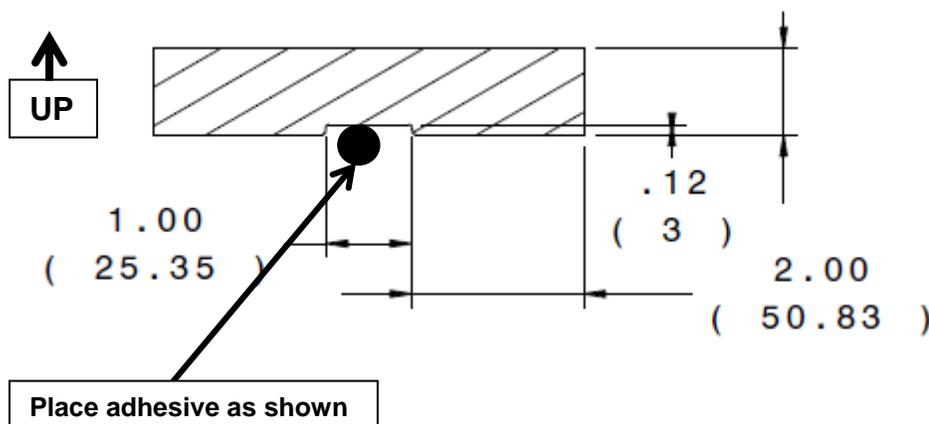


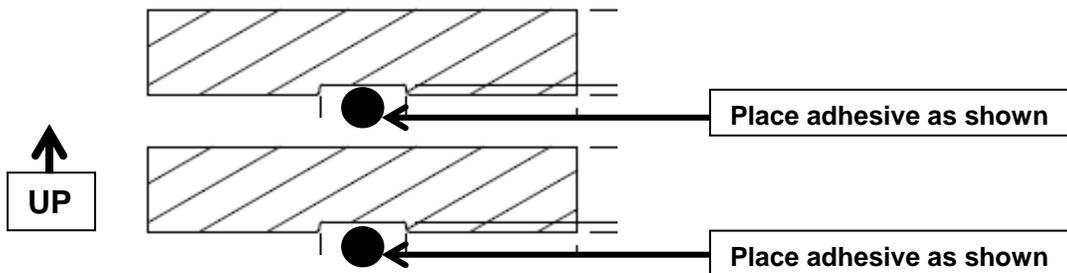


## Catch Basin Installation Instructions

1. Clean the top surface of the catch basin to be sure no loose materials or debris is left behind. On existing structures, use a chipping hammer, chisel, wire brush and whisk broom to remove any excess mortar or foreign materials to obtain a flat, clean sealing surface.
2. Measure the distance from the top of the catch basin to the final elevation, subtract the height of the casting and select the appropriate rings to establish the necessary casting elevation.
3. If the surface on top of the catch basin is irregular or prevents the first ring from sitting level without rocking and without voids, place a thick bed of the specified non-shrink mortar or grout on the surface and rough in. If the ring sits flat and does not require the mortar or grout, proceed to step 5.
4. Position the first grade ring by embedding it directly into the mortar. Center the ring and make sure that it is level and properly aligned.
5. Dry stack the selected rings and verify the measurements to ensure the desired elevation has been attained. Apply a paint alignment mark if an angle ring or rings are being used as a reference when installing with adhesive.
6. Turn the first grade ring upside down and apply a  $\frac{1}{4}$ " to  $\frac{1}{2}$ " bead of M-1 adhesive into the glue trench on all four sides located in the center of the ring. Turn the grade ring back over with the adhesive facing down and place onto the catch basin surface or previously placed grade ring in the bed of mortar or grout. (see example below)



7. If multiple grade rings are required, repeat step 6 until all grade rings have been properly installed.
8. If an angle ring or rings are required, turn the first ring upside down and place a ¼" to ½" bead of M-1 adhesive into the glue trench located in the center of the ring on the underside and turn the angle ring back over with the adhesive facing down and place onto the previously placed grade ring or rings. If multiple angle rings are required, repeat step eight until all angle rings have been installed making sure to match the previously applied alignment mark.



9. Place two ¼" to ½" beads of M-1 adhesive on the top surface of the grade or angle ring prior to setting the frame casting (see example below). Install and center the frame casting and grate. With installation complete, backfilling and paving may proceed immediately taking care to not displace any of the rings or the casting.

Place adhesive in glue trench as shown

