



UNDERSIZE COMMERCIAL ALUMINUM DRAIN TPO INSTALLATION INSTRUCTIONS

1. Install the roof insulation and roof membrane. Cut an appropriate sized hole over the drainpipe through both materials.
2. If replacing an existing drain, remove all debris and materials that may prevent the drain flange from laying flush on the roof deck. Clean the existing drainpipe below the deck.
3. Remove the strainer from the drain.
4. If the receiving pipe below the deck has an elbow, shorten the drain stem as necessary. Leave at least 4" of stem below the drain bowl. When cutting the drain stem, cut squarely and with a clean edge.
5. If using a Menzie's Blue Drain Seal™, insert the seal into the bottom of the drain stem. Tighten screws equally using Menzie's Blue Drain Seal™ screwdriver until the seal is snugly secured in the drain stem, just enough to hold the seal in place during installation. (Check to see that screws are tightened equally). Reference website for video instructions at <http://www.menzies-metal.com/blue-seal-installation.html> or scan the QR Code.



6. If using a standard O-ring as a seal, place the O-ring 3" up from bottom of drain stem.
7. Place the drain stem into the receiving pipe and SLOWLY lower drain onto the deck. The flange must lay flush on the deck. For insulated roof use an under deck clamp (not included). The drain may also be secured to the roof deck by using a minimum of 3 round head fasteners screwed into a solid substrate, evenly spaced 1" from edge of flange is optimal.

Before installing TPO refer to the membrane manufacturer's instructions.

8. Make certain that the TPO membrane reaches the edge of the drain bowl but does not go into the drain bowl. Be certain drain flange and TPO surface are clean before heat welding.
9. Heat weld the TPO membrane onto the TPO Direct Weld™ coated flange. Heat weld according to the membrane manufacturer's instructions.
10. If using the Menzie's Blue Drain Seal™, tighten with a Menzie's Blue Drain Seal™ screwdriver. Tighten each bolt approximately 2 complete turns until you compress the Blue Drain Seal™ and feel tightening resistance. Do not over tighten. Replace the strainer and tighten securely.
11. Adhere to installation requirements as determined by the regulatory authorities for your region.