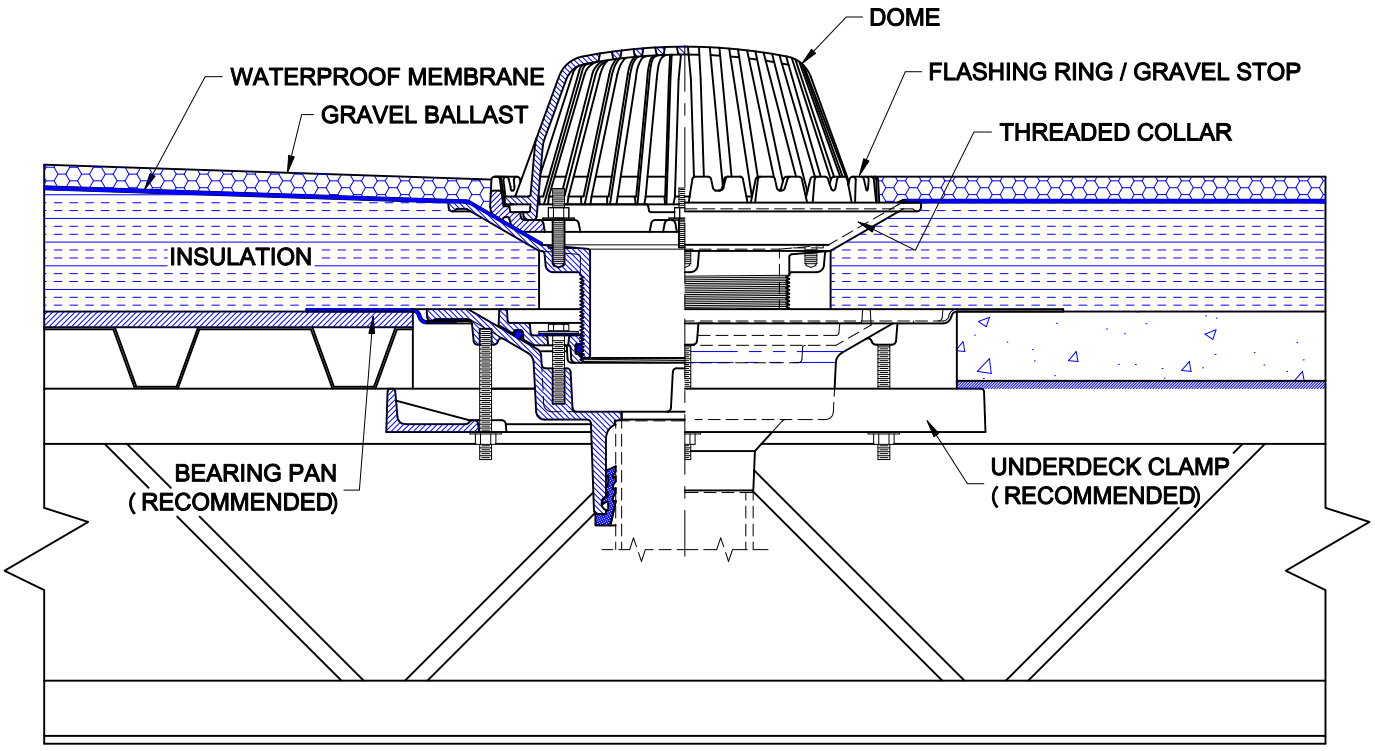
ROOF DRAIN

3000-ADF

CAST IRON ROOF DRAIN WITH FLANGE, FLASHING RING INTEGRAL WITH MEMBRANE CLAMP, MUSHROOM DOME, CAST IRON ADJUSTABLE EXTENSION AND BOTTOM OUTLET.



INSTALLATION

The Wade 3000-ADF is used for conventional roof membrane insulated systems. The insulation thickness can vary between 1-3/4" and 4" thick. For proper installation, an optional bearing pan and underdeck clamp are recommended.

1. At the predetermined location, cut a circular opening into the deck to recieve the bearing pan. The pan is recessed to allow the drain body to sit almost flush with the deck.

2. Install the drain body into the bearing pan and secure with the underdeck clamp from underneath. Installation of piping may then proceed.

3. On the roof side, install the threaded ring. The supplied o-ring seal installs in a groove on the bottom of the ring. A gasket sealant may be applied to hold the gasket in place. The hardware includes four hex head screws, flat washers and flat gaskets. The gaskets seal the openings in the ring which accepts the screws for securing the ring to the body. The o-ring seals the ring to the body. Tighten the screws for a unified seal.

4. An o-ring is provided to seal the threaded collar to the ring. A groove in the threaded ring accepts the o-ring - the threaded collar screws into the ring and must engage the o-ring (lubricant is recommended) . Adjust up or down such that the top flange of the collar is at the anticipated top of the insulation.

5. The insulation is applied - it should be flush with the top surface of the extension collar. If the insulation is thicker than the top surface of the extension flange, taper the insulation from a 24" diameter to the top surface of the flange. Apply the waterproof membrane per manufacturers recommendations. Membrane must lay flat and contour the opening. Install the flashing ring with the provided hardware, securely fastening the membrane between the body and the flashing ring. Gravel ballast is spread evenly over the membrane up to the perimeter of the gravel stop.

6. The dome is installed by a setting into the ring and twisting to lock.

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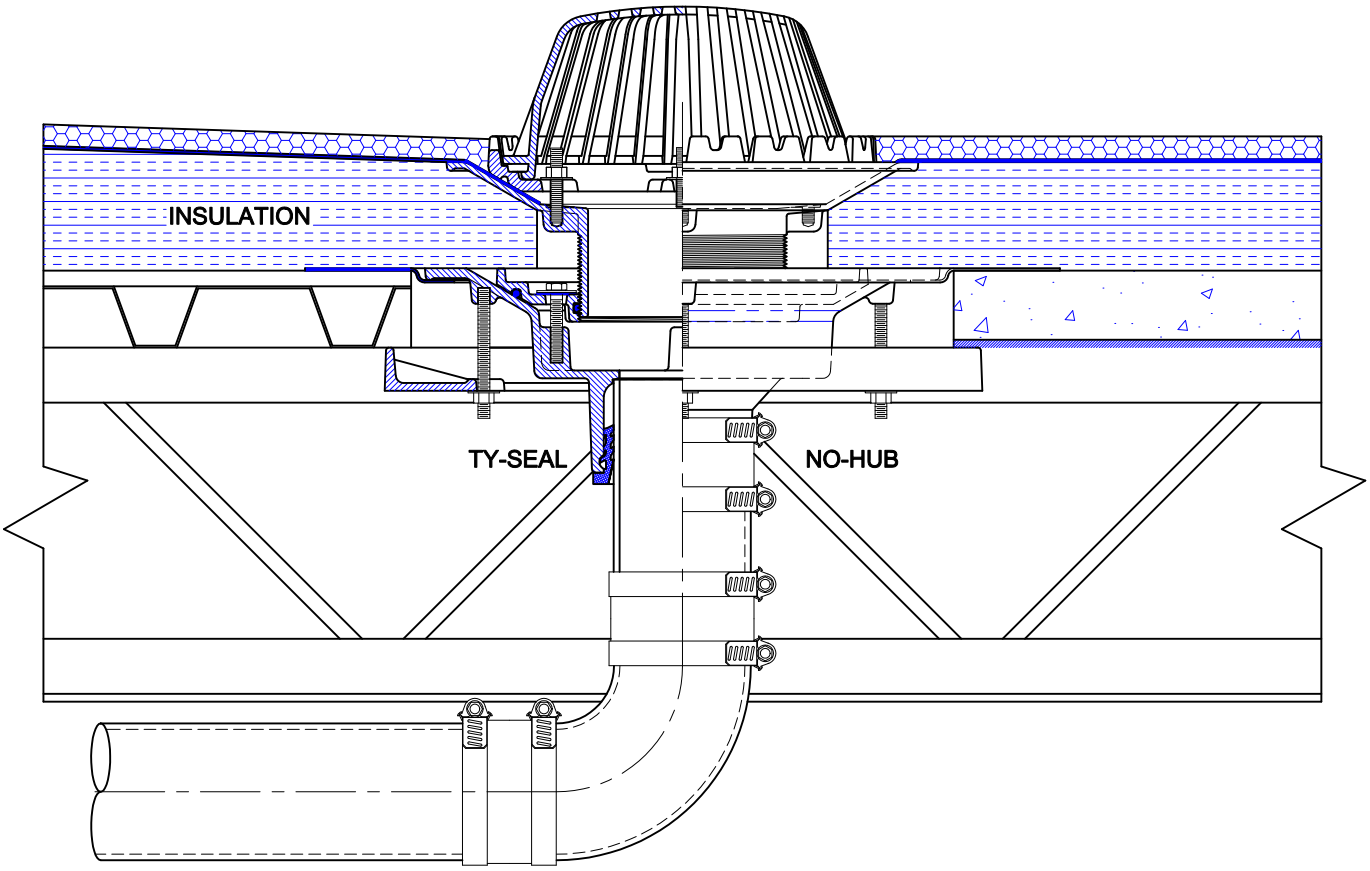
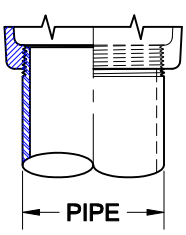
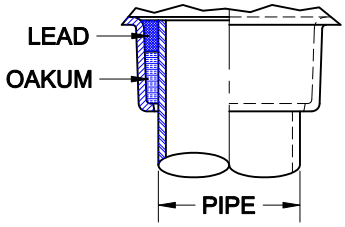




THREADED OUTLET



INSIDE CAULK OUTLET

PIPE INSTALLATION

The drain piping is first run to an elevation below the roof drain. The drain body is secured to the pipe with any of four connections; No-Hub, Inside Caulk, Threaded or Push-On Ty-Seal. The type of connection must be specified upon ordering any Wade Drain. If the Ty-Seal connection is specified, apply Tyler Ty-Seal lubricant to the inside surfaces of the gasket and then firmly push the pipe into the hub until it contacts the pipe stop in the body. No-Hub outlets should be installed with Tyler or Anaco/Husky couplings and secured with a torque wrench to the manufacturers recommendations. Inside Caulk and threaded connections should follow standard industry practices. Once the body is connected to the pipe, the horizontal piping runs are sloped for gravity feed the the down pipe locations. The piping must be supported to recommended hanger spacings and insulated if required.

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