### BALLOONS

1. Mechanical Watertight Connection Seal
2. Drain Body
3. Welded Thermoplastic Flashing Overlap
4. Thermoplastic Membrane
5. Aluminum Strainer Dome
6. Sealant
7. Aluminum Clamping Ring
8. Metal Stud with Self Locking Nut
9. Existing Rain Water Leader
10. Existing Cast Iron Drain Bowl
11. Substrate
12. Vapour Retarder (optional)
13. Wood Nailer (optional)
14. Insulation (sloped to drain)
15. Flange Fastener
16. Wood Nailer Fastener
17. Adhesive
18. Seam Caulk (if required)

---

**APPLICATIONS**

**THERMOPLASTIC ROOF MEMBRANES**

**SIZES:**
3 INCH, 4 INCH, 5 INCH, 6 INCH

**NOTES:**
1—REFER TO ROOF MEMBRANE MANUFACTURER FOR THEIR APPROVED INSTALLATION DETAIL.
2—HERCULES RETRODRAIN COMPLIES WITH ANSI/SPRI RD-1.