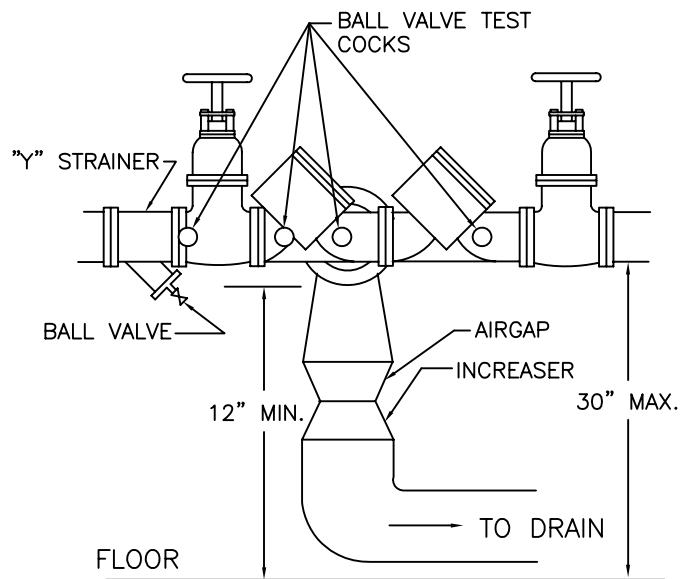


PLAN



ELEVATION

### Domestic Water and Fire Service Backflow Prevention

- 1) Provide a Backflow Preventer which meets or exceeds the requirements of the Kentucky American Water Company on the incoming Domestic Water and Fire Sprinkler Main to each building.
- 2) Install an approved Reduced Pressure Backflow Preventer with bronze body and trim on 2" size and smaller, and epoxy coated cast iron body and bronze trim for sizes over 2" on the main incoming domestic water and fire sprinkler line to each building. Stainless steel bodies and trim may be substituted for the above.
- 3) Install a full size "Y" strainer before the device. Strainer is to be bronze body on sizes 2" and under and Epoxy coated cast iron body for over 2" size. Strainer is to have an outlet sized bronze ball valve attached. Note: Omit strainer on all fire sprinkler lines.
- 4) An air gap must be provided at the relief port of each device. Provide pipe from air gap to nearest drain one pipe size larger than air gap outlet.
- 5) Provide a properly sized expansion tank on any domestic water line feeding a domestic hot water heater to allow for thermal expansion of the water in the closed system.
- 6) The minimum and maximum clearances between backflow preventer and wall and ground are shown in drawing above.
- 7) Make sure test cocks are located as shown on drawing above, to facilitate proper testing of device.



UNIVERSITY OF KENTUCKY DESIGN & CONSTRUCTION STANDARDS

DRAWN BY MJD  
 APP. BY MJD  
 DATE 11-28-90

REVISION	DATE

TITLE : DOMESTIC WATER  
 BACKFLOW PROTECTION

DRAWING NO.

15400D02