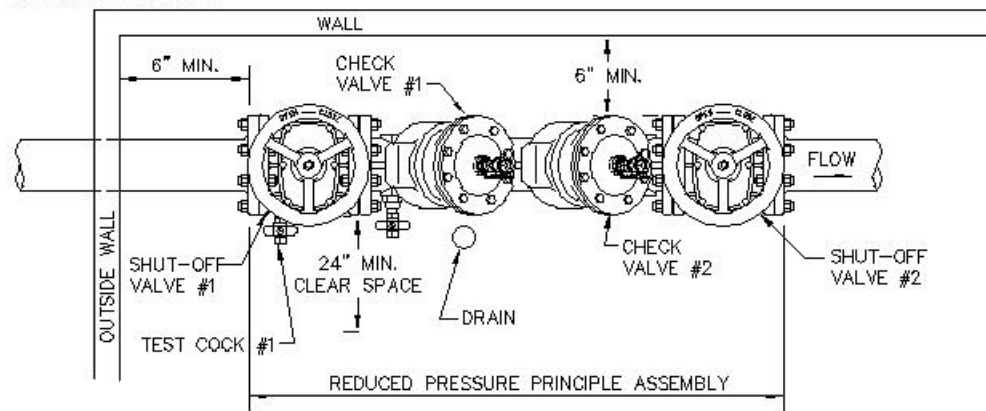
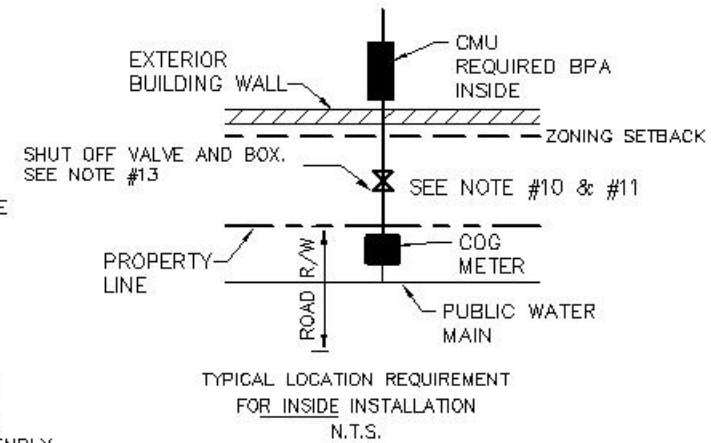


SEE TABLE IN SPECIFICATIONS FOR MINIMUM DRAIN SIZES FOR RP INDOOR INSTALLATIONS

ELEVATION VIEW



PLAN VIEW



NOTES:

1. INDOOR INSTALLATION SHALL ONLY BE PERMITTED IN CASES WHERE ADEQUATE SPACE FOR THE BACKFLOW PREVENTION ASSEMBLY IS NOT AVAILABLE OUTSIDE. COG WILL REVIEW ON A CASE BY CASE BASIS.
2. REDUCED PRESSURE ASSEMBLIES (RP) MUST CONFORM TO COG SPECIFICATIONS. REFER TO COG APPROVED LIST OF BPA'S.
3. COG APPROVED RP INCLUDES SHUT-OFF VALVES #1 AND #2 AS PART OF THE ASSEMBLY. NO SUBSTITUTIONS SHALL BE PERMITTED. 6" CLEARANCE SHALL BE WITH VALVES FULLY OPEN.
4. FIRE LINE INSTALLATIONS SHALL HAVE OUTSIDE STEM AND YOKE (OS&Y) HANDWHEEL OPERATORS. IF SERVING FIRE SPRINKLERS, TAMPER SWITCHES ARE REQUIRED.
5. TEST COCK #1 SHALL BE UPSTREAM OF SHUT-OFF VALVE #1 AND IS PART OF THE APPROVED ASSEMBLY.
6. ASSEMBLIES SHALL BE INSTALLED UPRIGHT AND IN THE HORIZONTAL POSITION, UNLESS OTHERWISE APPROVED.
7. PIPE MATERIAL AND FITTINGS SHALL BE AS SPECIFIED IN COG STANDARDS & SPECIFICATIONS.
8. SUPPORT FOR ASSEMBLY SHALL BE DESIGNED BY OWNER. IT IS RECOMMENDED 8"-10" RP BE SUPPORTED AT CENTER. THE SUPPORT SHALL NOT BLOCK RELIEF VALVE OR DRAIN PORT.
9. AN AIR GAP DRAIN IS RECOMMENDED TO REDUCE SPLASHING OF MINOR DISCHARGES FROM THE RELIEF VALVE DRAIN PORT.
10. ALL LOCATIONS FOR BPA'S REQUIRE COG APPROVAL.
11. THERE SHALL BE NO TAPS, PIPING BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANTS, FIRE DEPT. CONNECTION POINTS, OR OTHER WATER-USING APPURTENANCES CONNECTED TO THE SUPPLY LINE BETWEEN ANY WATER METER AND ITS COG-REQUIRED BACKFLOW PREVENTER.
12. EACH COG-REQUIRED BPA IS REQUIRED TO BE TESTED BY A COG-APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM IN SERVICE.
13. SHUT OFF VALVE REQUIRED BETWEEN METER AND BPA TO ALLOW REMOVAL OR SERVICE WITHOUT TURNING OFF METER. CAN BE LOCATED INSIDE BUILDING AS NEEDED.

REVISED	F.B.	PG.	DATE: JUNE 10, 2003
			SCALE: NONE
			DRAWN BY: TAJ
			CHECKED BY: MWB
			CITY ENGINEER: FAP

STANDARD DETAIL

REDUCED PRESSURE PRINCIPAL ASSEMBLY (RP) 2-1/2"-12" INDOOR

OFFICE OF THE
CITY ENGINEER
GASTONIA, N.C.

FILE NO.

71B-32