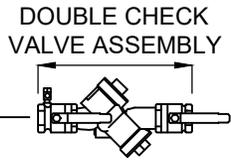
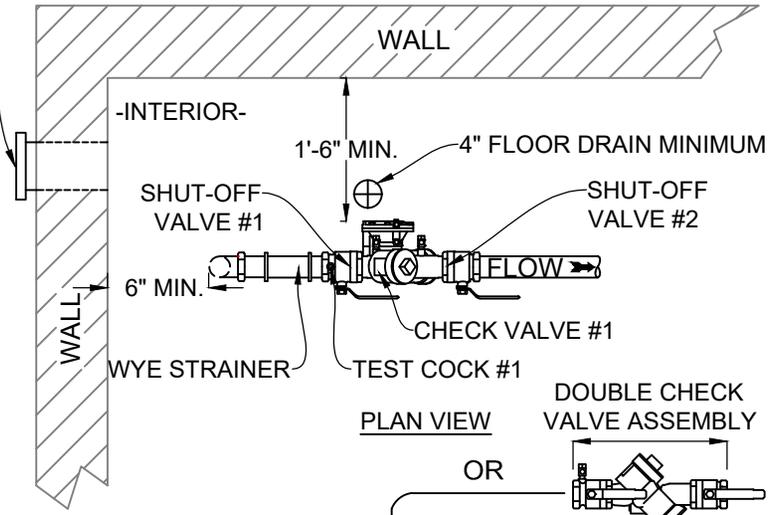


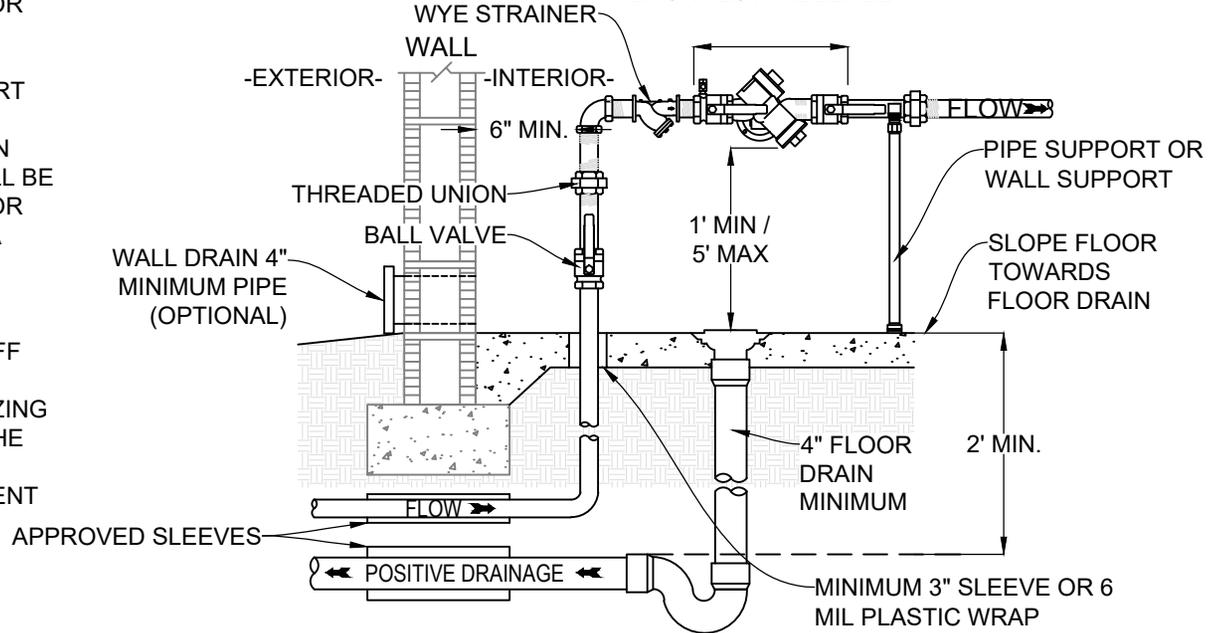
NOTES:

1. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1013 & AWWA C511.
2. DOUBLE CHECK BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1015 & AWWA C510.
3. BACKFLOW PREVENTION ASSEMBLY SHALL MAINTAIN MINIMUM CLEARANCES FROM WALLS AND FLOOR AS SPECIFIED.
4. ALL BACKFLOW PREVENTERS SHALL BE LOCATED IN A LOWEST FLOOR ROOM (1HR FIRE RATED) WITH AN EXTERIOR DOOR WITH DIRECT ACCESS FROM THE OUTSIDE.
5. PIPE MATERIAL SHALL MEET CURRENT NC PLUMBING CODE TABLE 605.3 (OUTSIDE) AND TABLE 605.4 (INSIDE).
6. INSTALLATION SHALL BE IN COMPLIANCE WITH ALL APPLICABLE TOWN ORDINANCES AND SPECIFICATIONS, USFCCHR CODE AND THE NC PLUMBING CODE.
7. PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE AND OPERATION OF BACKFLOW ASSEMBLY AND COMPLIANCE WITH REPORTING AND TESTING REQUIREMENTS.
9. ALL BACKFLOW PREVENTERS SHALL MEET CURRENT UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION AND HYDRAULIC RESEARCH REQUIREMENTS.
10. ALL DRAINS SHALL BE DESIGNED TO HANDLE A FULL PORT DISCHARGE FROM THE ASSEMBLY. AN APPROVED, PRE-FABRICATED, APPROPRIATELY SIZED AIR GAP DRAIN MUST BE USED AND ALL RELIEF PORT DRAIN LINES SHALL BE PIPED TO DIRECT FLOW TOWARD INDIRECT WASTE FLOOR DRAIN, FULL SIZE TO THEIR POINT OF TERMINATION AT A SLOPE CONFORMING WITH NC PLUMBING CODE 704.1.
11. ALL BACKFLOW PREVENTERS SHALL BE "LEAD FREE".
12. A WYE STRAINER SHALL BE INSTALLED IMMEDIATELY UPSTREAM OF THE BACKFLOW PREVENTER'S #1 SHUTOFF VALVE AND THE UPSTREAM DISCONNECT UNION.
13. AN ISOLATION SHUT-OFF VALVE NOT SUBJECT TO FREEZING SHALL BE REQUIRED TO BE INSTALLED UPSTREAM OF THE BACKFLOW PREVENTER.
14. ALL BACKFLOW INSTALLATIONS SHALL MEET THE CURRENT DETAIL 620.01, 1 OF 2.

WALL DRAIN
4" MINIMUM PVC SCH. 40
PIPE (OPTIONAL)



REDUCED PRESSURE PRINCIPLE
BACK FLOW ASSEMBLY



ELEVATION VIEW

TOWN OF APEX
STANDARDS

EFFECTIVE: JUNE 11, 2024

**3/4" - 2" COMMERCIAL INDOOR BACKFLOW
ASSEMBLY (DOMESTIC SERVICE)**

STD. NO.

620.05

SHEET 1 OF 1