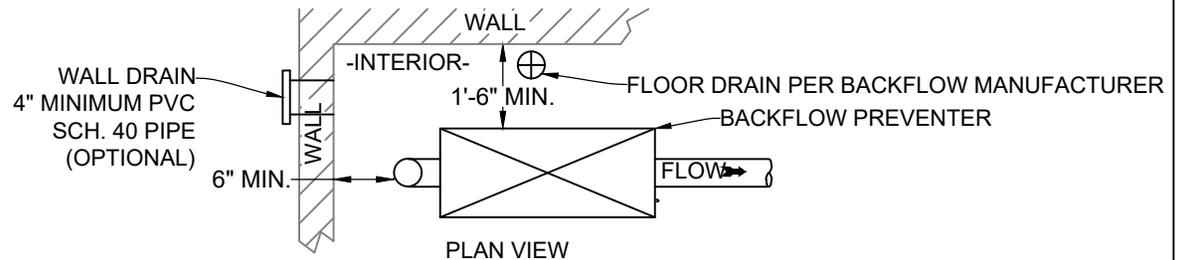


**NOTES:**

1. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1013 & AWWA C511.
2. REDUCED PRESSURE DETECTOR ASSEMBLY SHALL COMPLY WITH ASSE 1047. UNIT SHALL BE USED FOR ALL FIRE PREVENTION SYSTEMS.
3. DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1015 & AWWA C510.
4. DOUBLE CHECK DETECTOR BACKFLOW PREVENTION VALVE ASSEMBLY SHALL COMPLY WITH ASSE 1048.
5. BACKFLOW PREVENTERS CANNOT BE LOCATED INSIDE WALLS, CABINETS OR FOUNDATIONS.
6. ALL BACKFLOW PREVENTERS SHALL BE LOCATED IN A LOWEST FLOOR ROOM (2HR FIRE RATED) WITH AN EXTERIOR DOOR WITH DIRECT ACCESS FROM THE OUTSIDE.
7. PIPE MATERIAL SHALL BE CLASS 350 DIP AWWA C150 AND C151 APPROVED BY THE TOWN. PIPE MATERIAL BEHIND THE BACKFLOW PREVENTER SHALL MEET NC PLUMBING CODE TABLE 605.4
8. 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 DRAINS.
11. ALL BACKFLOWS 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. THE WYE STRAINER SHALL BE FOR DOMESTIC SERVICE CONNECTIONS ONLY.
13. AN ISOLATION GATE VALVE SHALL BE INSTALLED ON THE TOWN OF APEX PUBLIC WATERLINE FOR BACKFLOW ISOLATION PURPOSES.



OR

DOUBLE CHECK DETECTOR BACKFLOW ASSEMBLY (NOT PERMITTED WITH FDC CONNECTION)

OR

REDUCED PRESSURE DETECTOR BACKFLOW ASSEMBLY (FIRE - REQUIRED WITH FDC CONNECTION)

DOUBLE CHECK VALVE ASSEMBLY OR REDUCED PRESSURE ASSEMBLY (DOMESTIC)

