

GENERAL NOTES:

1. THE CONTRACTOR IS TO PROVIDE AND INSTALL ALL BACKFLOW PREVENTER ASSEMBLIES, FLOOD PANEL, EQUIPMENT, VALVES WIRING, ETC. TO PROVIDE A COMPLETE FUNCTIONING SYSTEM.

ALL BACKFLOW PREVENTER ASSEMBLIES SERVING THE DOMESTIC WATER MAIN ARE TO BE DUPLEX (2) REDUCED PRESSURE TYPE BFP DEVICES. A BULLHEAD TEE IS REQUIRED ON THE INLET AND OUTLET SIDE OF THE BACKFLOW PREVENTERS TO ALLOW EQUAL FLOW THROUGH EACH.
2. FOR BACKFLOW PREVENTER ASSEMBLIES THAT REQUIRE THE USE OF A FUNNEL AND INDIRECT DRAIN TO A FLOOR DRAIN, THE FUNNEL IS TO BE METAL AND THE DRAIN PIPING TO BE COPPER OR CAST IRON. PLASTIC FUNNELS AND DRAIN PIPING WILL NOT BE ACCEPTED.
3. IN-LINE CHECK VALVES ON DOMESTIC WATER MAINS TO BE WAFER CHECK TYPE. NO TILTING DISK CHECK VALVES TO BE USED. ALLOW 4 PIPE DIAMETERS OF STRAIGHT PIPE ON EACH SIDE OF CHECK VALVE. CHECK VALVES SHALL BE LOCATED HORIZONTALLY OR IN THE UPFLOW VERTICAL.
4. WHERE BUILDING ISOLATION VALVE IS CONSIDERED PART OF DENVER WATER'S METER ASSEMBLY, THE REPLACEMENT VALVE SHALL MEET DENVER WATER REQUIREMENTS AND HAVE A NON RISING STEM – RIGHT HAND OPEN.
5. WHERE THE WATER METER IS EFFECTED BY THE BACKFLOW PREVENTER INSTALLATION AND IS RELOCATED, DENVER WATER METER INSTALLATION CRITERIA IS TO BE MET. PROVIDE DOCUMENTATION THAT DENVER WATER HAS APPROVED THE INSTALLATION.
6. ALL BACKFLOW PREVENTER ASSEMBLIES AND VALVES 2" AND SMALLER TO HAVE UNIONS TO FACILITATE THE REMOVAL OF THE DEVICE(S).
7. ALL REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLIES REGARDLESS OF SIZE TO HAVE A STRAINER LOCATED PRIOR TO THE DEVICE.
8. FOR EXISTING BUILDINGS, THE CONTRACTOR SHALL INSTALL ALL NEW PIPING, VALVES AND EQUIPMENT PRIOR TO MAKING FINAL CONNECTIONS TO POINTS OF NEW CONNECTION. THE SHUTDOWN OF SYSTEMS TO MAKE FINAL CONNECTIONS SHOULD BE AS SHORT AS POSSIBLE AND BE COORDINATED WITH THE OWNER. AFTER NEW SYSTEMS ARE IN PLACE AND TESTED, REMOVE EXISTING UNUSED PIPING AND ACCESSORIES, REPAIR PENETRATIONS, ETC. TO MATCH EXISTING.
9. PROVIDE TESTING AND REPORT ON ALL BACKFLOW PREVENTER DEVICES IN ACCORDANCE WITH DENVER WATER REQUIREMENTS AND THE COLORADO CROSS CONNECTION CONTROL MANUAL (LATEST EDITION) REQUIREMENTS. ATTACH TESTING APPROVAL TAG TO ALL BACKFLOW PREVENTERS.
10. ALL ALTERNATE SUPPORT SYSTEMS FOR BFP'S TO HAVE PRIOR APPROVAL BY ENGINEER AND OWNER.
11. REFER TO SIZING CHART IN SPECIFICATIONS FOR CONTAINMENT BASIN DISCHARGE PIPING THROUGH WALL SIZE.
12. ALL HOT BOX TEMPERATURE ALARM MODULES TO BE WIRED TO DPS SECURITY SYSTEM. TERMINATE WIRES IN CONDUIT IN JUNCTION BOX AT SECURITY ALARM PANEL. FINAL TIE-IN TO SECURITY PANEL BY DPS PERSONNEL.
13. DOMESTIC WATER SERVICE LINES OF DISSIMILAR METALS SHALL BE ELECTRICALLY INSULATED BY MEANS OF APPROVED INSULATED FITTINGS, GASKETS AND FLANGE KITS.
14. PIPE SUPPORT SYSTEM/JUNISTUT CAN BE WELDED AS REQUIRED. ALL WELDS SHALL BE PAINTED TO MATCH.
15. BUILDING ISOLATION VALVES 2-1/2" AND LARGER ARE TO BE GATE VALVES, LEFT HAND OPEN WITH RESILIENT SEATS.

DENVER PUBLIC SCHOOLS	
DEPARTMENT OF FACILITIES MANAGEMENT	
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