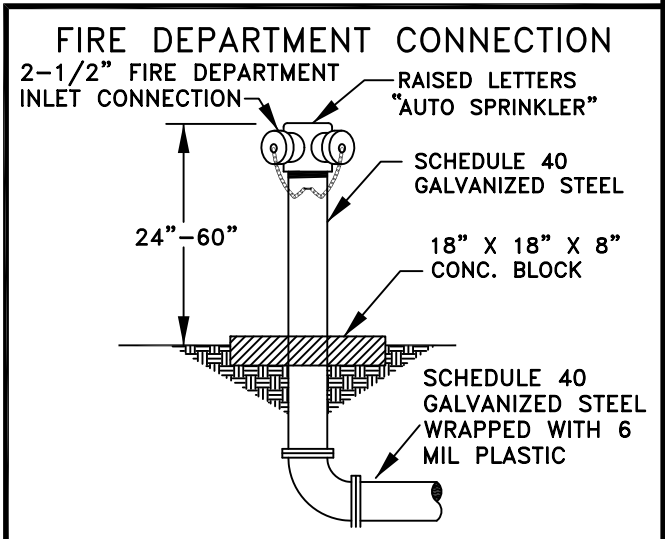


**MATERIAL LIST:**

- ① OS&Y GATE VALVE W/HANDWHEEL FL X FL
- ② D.O.H. APPROVED CHECK VALVE FL X FL
- ③ POST INDICATOR VALVE
- ④ TEST COCK - 4 REQUIRED
- ⑤ CLASS 52 DI WALL PIPE FL X FL
- ⑥ CLASS 52 DI 90° BEND FL X FL
- ⑦ CLASS 52 DI TEE FL X FL
- ⑧ SWING CHECK VALVE W/BALL DRIP ASSEMBLY
- ⑨ FIRE DEPARTMENT CONNECTION
- ⑩ VALVE STANDS - ADJUSTABLE
- ⑪ LADDER
- ⑫ RESTRAIN INLET & OUTLET W/MEGALUG MID-SPAN RESTRAINTS AND THRUST BLOCK ADJACENT TO VAULT.

**GENERAL NOTES:**

1. THOROUGHLY FLUSH LINES PRIOR TO INSTALLING BACK FLOW ASSEMBLY.
2. PIPE FROM VAULT TO BUILDING SHALL BE CLASS 52 DI.
3. TAMPER SWITCHES SHALL BE INSTALLED ON 1 AND 3 CONNECTED TO BUILDING FIRE ALARM SYSTEM.
4. WHERE PIPING PASSES THROUGH CONCRETE WALL PROVIDE 2" CLEARANCE W/ WATERPROOF MASTIC OR FLEXIBLE SEALANT.
5. DIAMETER OF PIPE AND FITTINGS TO BE DETERMINED BY CERTIFIED SPRINKLER DESIGNER.
6. ALL PIPING SHALL BE A MINIMUM OF 4" DIAMETER AS PER NFPA13.
7. ALL VAULTS SHALL BE EQUIPPED WITH A DRAIN OR BE INSTALLED ABOVE GROUND.
8. ALL FIRE SPRINKLER LINES UP TO THE FIRST VALVE ON THE DCDA SHALL BE DISINFECTED, PRESSURE TESTED, FLUSHED AND TESTED FOR PURITY PER THE CITY OF TUMWATER STANDARDS.



CITY OF TUMWATER, WASHINGTON				
DEPT. OF PUBLIC WORKS				
<b>DOUBLE CHECK DETECTOR (DCDA) VALVE ASSEMBLY W/FDC</b>				
APPROVED BY:				DWG. NO.
CITY ENGINEER				<b>WA-42</b>
DES. PW	DWG. BY PW	CK'D BY KMC	DATE JULY 2014	NOT TO SCALE