



NOTE:

PROFILE

1. BACKFLOW ASSEMBLY SHALL BE IN ACCORDANCE WITH ASSE 1013 STANDARDS.
2. A REDUCED PRESSURE FIRE PROTECTION BACKFLOW PREVENTER ASSEMBLY SHALL BE DESIGNED FOR A WORKING PRESSURE OF 175 PSI.
3. ASSEMBLY SHALL BE DESIGNED TO OPERATE AT A MINIMUM TEMPERATURE OF 33 DEGREES FAHRENHEIT.
4. THE INTERNAL PARTS OF THE ASSEMBLY SHALL BE ACCESSIBLE FOR INSPECTIONS, TESTING, REPAIRS OR REPLACEMENT.
5. TEST COCK LOCATIONS SHALL BE: (1) ON THE SUPPLY SIDE OF THE INLET SHUTOFF VALVE, (2) BETWEEN THE INLET SHUTOFF VALVE AND THE FIRST CHECK, (3) BETWEEN THE FIRST AND SECOND CHECK, (4) BETWEEN THE SECOND CHECK AND THE OUTLET SHUTOFF VALVE.
6. THE DEVICE CAN BE INSTALLED HORIZONTALLY.
7. MAINTAIN 8 INCH MINIMUM CLEARANCE ABOVE THE DEVICE FOR TESTING AND MAINTENANCE.
8. INSTALL THE DEVICE NO MORE THAN 5 FEET ABOVE THE FLOOR ELEVATION, NO STEP LADDER OR CLIMBING APPARATUS SHOULD BE REQUIRED TO FACILITATE MAINTENANCE.
9. THIS DEVICE SHALL NOT BE INSTALLED BELOW GRADE, IN A PIT, OR IN A VAULT.
10. THE FINISHED FLOOR ELEVATION SHALL BE ABOVE THE 100-YR FLOOD ELEVATION AND THE DEVICE SHALL HAVE 12 INCH MINIMUM CLEARANCE BETWEEN THE AIR GAP DRAIN & THE FINISHED FLOOR.



DATE: 08/18

CITY OF NORFOLK – DEPARTMENT OF UTILITIES
STANDARD DETAILS

FIRE PROTECTION SYSTEM REDUCED PRESSURE
ZONE BACKFLOW PREVENTER ASSEMBLY

SCALE:
NOT TO SCALE

DRAWING NO.
CW 14