

Backflow Assembly Plan Review Form



Colorado Springs Utilities
It's how we're all connected

Fire Suppression

Colorado Springs Utilities
Backflow Prevention Program
1521 S. Hancock Expressway
Colorado Springs, CO 80903
Phone: (719)668-4388
Email: crossconnection@csu.org

Please email a copy of this form to crossconnection@csu.org subject line BPP Plan Review with each application.

Facility Information

Facility Name:

Facility Address:

Contractor Contact Information:

Contractor Company:

Address:

Email:

Phone:

Backflow Prevention Assembly Information:

New Construction (New Building)

Retrofit (Change to an existing building)

Type (RP/DC):

Chemical System

Size:

Make:

Model:

Orientation (i.e. H, V):

Backflow Prevention Assembly Location (provide a brief explanation of the location of the assembly in the building):

Please note that Colorado Springs Utilities requires Backflow Prevention Assemblies to be approved by the University of Southern California for Make, Model, Size and Orientation. Visit the following website for a listing of approved assemblies <http://fccchr.usc.edu/list.html>.

Fire suppression systems with antifreeze, foam, or other chemical additives requires a reduced pressure principle assembly be installed.

Note: Pro-press fittings are not allowed in the construction of the Fire suppression system prior to the backflow assembly.

For new construction backflow assembly inspection contact Utilities Field Services at 719-668-7350.

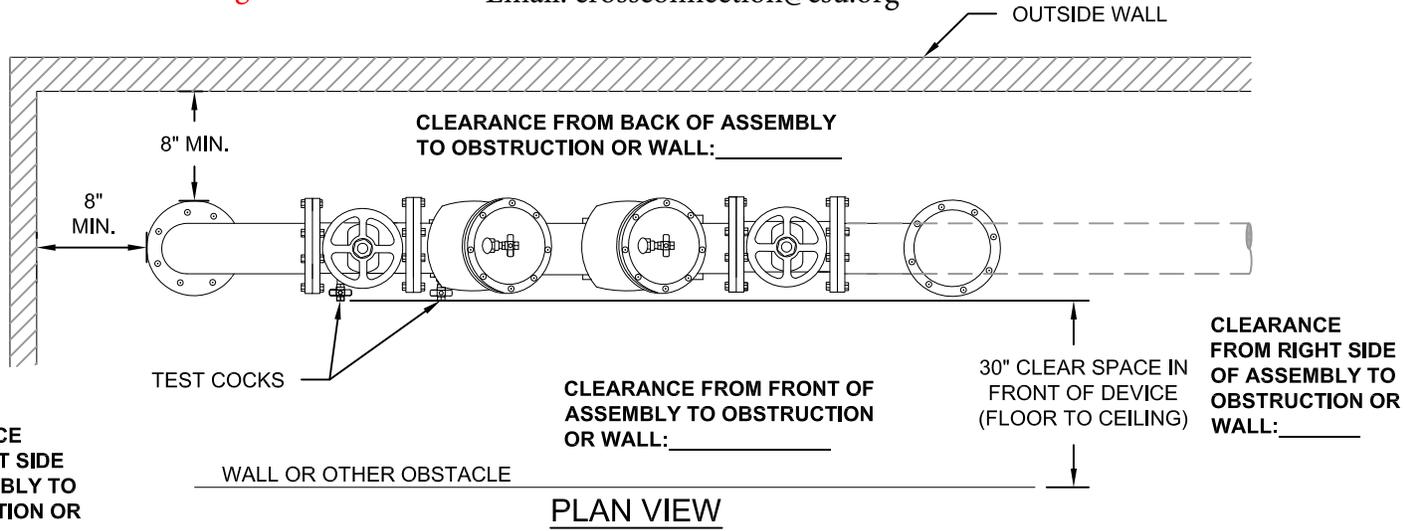
For retrofit backflow assembly inspection contact Utilities Backflow Prevention Program at 719-668-4388.

All backflow prevention assemblies shall be tested by a certified Backflow Prevention Assembly Tester and results submitted to Colorado Springs Utilities within 10 days of installation of the assembly or meter.

Contact Colorado Springs Utilities Backflow Prevention Program for more information:

719-668-4388 or crossconnection@csu.org

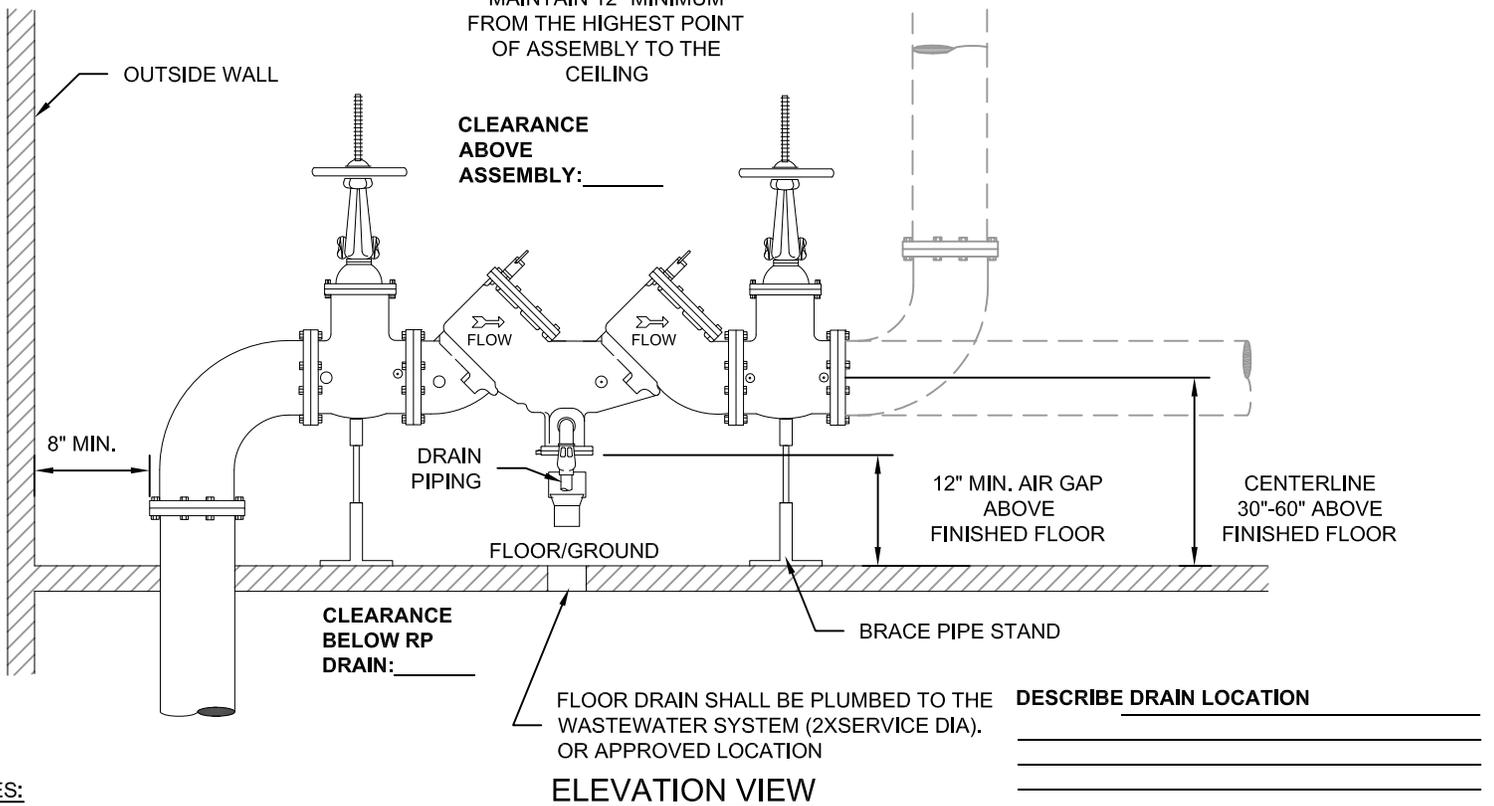
No Pro-press or sharkbite fittings allowed



CLEARANCE FROM LEFT SIDE OF ASSEMBLY TO OBSTRUCTION OR WALL: _____

WALL OR OTHER OBSTACLE

PLAN VIEW

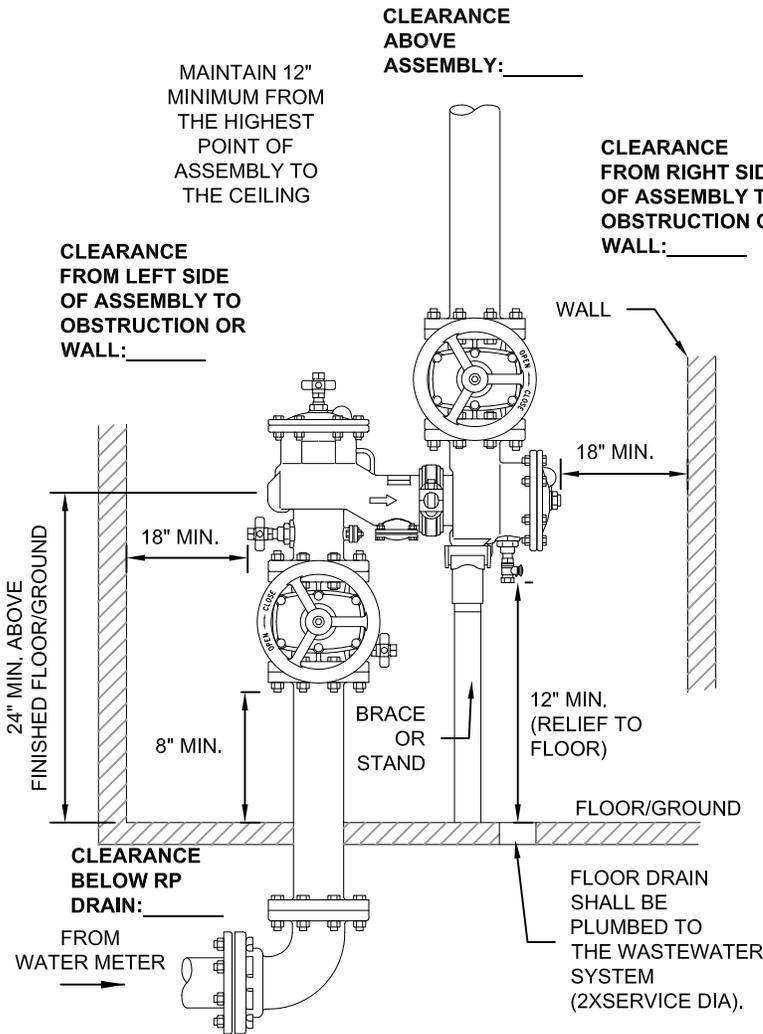


FLOOR DRAIN SHALL BE PLUMBED TO THE WASTEWATER SYSTEM (2XSERVICE DIA). OR APPROVED LOCATION

DESCRIBE DRAIN LOCATION

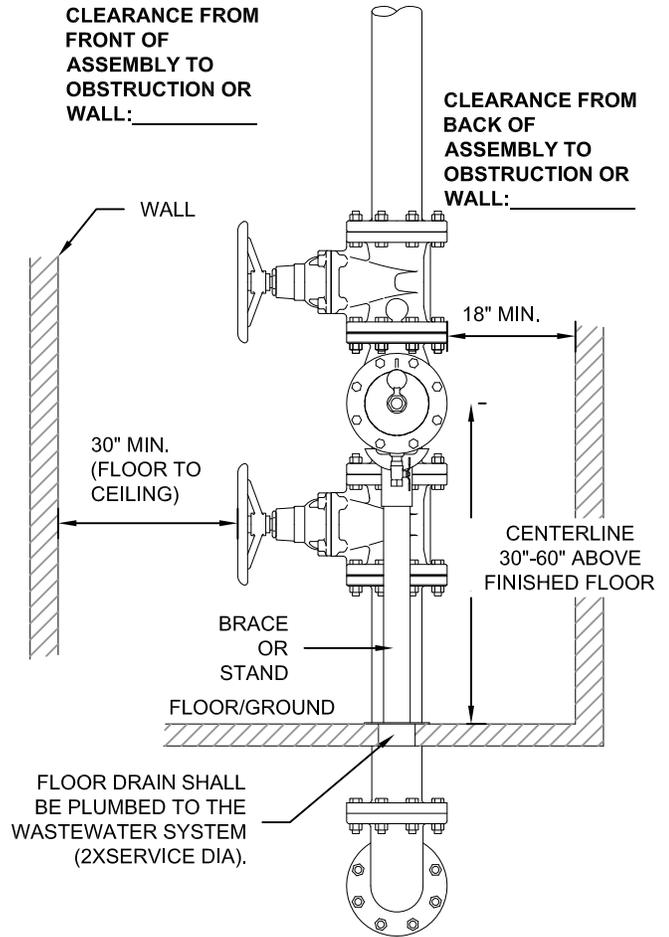
NOTES:

- PLEASE NOTE CLEARANCES AS REQUESTED ABOVE. OBSTRUCTIONS SUCH AS ELECTRIC BOXES MAY REQUIRE ADDITIONAL CLEARANCE.
- REFERENCE THE LATEST COLORADO SPRINGS UTILITIES WATER LINE EXTENSION AND SERVICE STANDARDS FOR COMPLETE DESIGN AND INSTALLATION REQUIREMENTS.
- SHUT-OFF VALVES, CHECK VALVES, AND TEST COCKS SHALL BE STANDARD TO THE APPROVED BACKFLOW PREVENTION ASSEMBLY.
- TEST COCKS SHOULD BE LOCATED FACING THE THE CLEAR SPACE.
- ALL ASSEMBLIES TO BE SUPPORTED BY A CRADLE PIPE STAND.
- THE DEVICE SHALL BE INSTALLED AT AN ELEVATION THAT IS NO LESS THAN 30" -60" ABOVE FINISHED FLOOR.
- THE DEVICE SHALL BE PLACED 18" AWAY FROM THE ADJACENT WALL TO THE EDGE OF THE SIDE WITH THE TEST COCK AND A MINIMUM OF 8" FROM ALL OTHER SIDES.
- THE DEVICE SHALL BE PLACED WITH A MINIMUM OF 30" CLEAR SPACE IN FRONT OF THE DEVICE FROM FLOOR TO CEILING.
- A MINIMUM OF 18" SHALL BE MAINTAINED FROM THE BOTTOM OF THE RELIEF VALVE TO THE FLOOR. AN ADEQUATE DRAIN IS REQUIRED FOR THE BACKFLOW PREVENTION ASSEMBLY. (UNDER THE DEVICE WHENEVER POSSIBLE)
- A STRAINER IS RECOMMENDED TO BE INSTALLED BEFORE THE BACKFLOW DEVICE.
- TEST COCKS ARE TO BE USED FOR TESTING OF THE BACKFLOW PREVENTION ASSEMBLY AND SHALL NOT BE MODIFIED.
- CLEARANCE REQUIREMENTS APPLY TO BOTH REDUCED PRESSURE AND DOUBLE CHECK BACKFLOW PREVENTION ASSEMBLIES.



ELEVATION VIEW

DESCRIBE DRAIN LOCATION



SECTIONAL VIEW

NOTES:

1. PLEASE NOTE CLEARANCES AS REQUESTED ABOVE. OBSTRUCTIONS SUCH AS ELECTRIC BOXES MAY REQUIRE ADDITIONAL CLEARANCE.
2. REFERENCE THE LATEST COLORADO SPRINGS UTILITIES WATER LINE EXTENSION AND SERVICE STANDARDS FOR COMPLETE DESIGN AND INSTALLATION REQUIREMENTS.
3. SHUT-OFF VALVES, CHECK VALVES, AND TEST COCKS SHALL BE STANDARD TO THE APPROVED BACKFLOW PREVENTION ASSEMBLY.
4. TEST COCKS SHOULD BE LOCATED FACING THE THE CLEAR SPACE.
5. ASSEMBLIES TO BE SUPPORTED BY A CRADLE PIPE STAND WHERE NECESSARY.
6. THE DEVICE SHALL BE INSTALLED AT AN ELEVATION THAT IS NO LESS THAN 30" -60" ABOVE FINISHED FLOOR.
7. THE DEVICE SHALL BE PLACED 18" AWAY FROM THE ADJACENT WALL TO THE EDGE OF THE SIDE WITH THE TEST COCK AND A MINIMUM OF 8" FROM ALL OTHER SIDES.
8. THE DEVICE SHALL BE PLACED WITH A MINIMUM OF 30" CLEAR SPACE IN FRONT OF THE DEVICE FROM FLOOR TO CEILING.
9. A MINIMUM OF 18" SHALL BE MAINTAINED FROM THE BOTTOM OF THE RELIEF VALVE TO THE FLOOR. AN ADEQUATE DRAIN IS REQUIRED FOR THE BACKFLOW PREVENTION ASSEMBLY. (UNDER THE DEVICE WHENEVER POSSIBLE)
10. A STRAINER IS RECOMMENDED TO BE INSTALLED BEFORE THE BACKFLOW DEVICE.
11. TEST COCKS ARE TO BE USED FOR TESTING OF THE BACKFLOW PREVENTION ASSEMBLY AND SHALL NOT BE MODIFIED.
12. DIMENSIONS ALSO APPLY TO VERTICAL DOWN/VERTICAL DOWN CONFIGURATIONS AND VERTICAL UP/VERTICAL DOWN (NO BRACE REQUIRED).
13. CLEARANCE REQUIREMENTS APPLY TO BOTH REDUCED PRESSURE AND DOUBLE CHECK BACKFLOW PREVENTION ASSEMBLIES.