



Orange Water Department

16 West Myrtle Street
Orange, Massachusetts 01364
Telephone: 978-544-1115 • Fax: 978-544-1122

Water
Commissioners
Donald Barnes
Donald Priestley
Richard Kilhart

Superintendent
Michael A. Heidorn

Regular Meetings
2nd Monday
3:15pm

Design Data Sheet and Plans must be approved before the backflow device is installed.

CROSS CONNECTION PREVENTION & CONTROL DESIGN DATA SHEET

Owner Name: _____

Address: _____

Control Number: _____

Facility Name: _____

Address: _____

Contact Person: _____ Phone Number: _____

New Facility: _____ Existing Facility: _____

General Description of Business or activities carried out at this Facility: _____

Device Data:

Manufacturer: _____ Model#: _____

RPBP: _____ Double Check Valve Assembly: _____ PVS _____ (choose one)

Size: _____ Serial #: _____ Gate Type _____

Hot or Cold Water Unit: _____

Location of Device: _____

Location Potable Water: _____ Bypass Req?: Yes _____ No _____

Describe Service Protected: _____

How Many Other Reduced Pressure Backflow Preventers (RPBP) and Double Check Valve Assemblies (DCVA) are located in this building? _____

Facility? _____ Type of gate valves: OS&Y _____ Ball _____

Butterfly _____ Other _____

Device Maintenance and Testing Schedules:

Describe the maintenance and testing schedule of the above device(s).

(Please refer to 310 CMR 22.22.)

Testing (circle one):

Annual

Semiannual

Maintenance shall include:

- Maintain spare parts kit and any necessary tools
- Overhaul/repair or replace any failed device within 14 days
- Submit copies of any required inspection/maintenance forms
- Keep complete records, incl. at least 7 years of above forms

The Town of Orange is an equal opportunity provider.

Plans Required: A fully labeled, detailed schematic of the potable and non potable water piping immediately surrounding the backflow prevention device installation showing:

- a) height above floor of the device
- B) distance from wall of the device
- C) type of chemical(s) used (if any) and the type of equipment downstream of the device
- D) type of chemical(s) used (if any) and the type of equipment upstream of the device

Please note the schematic must be at least 8 and 1/2 by 11 with a complete title block.

When installation of devices involve a large or complex plumbing system, formal prints must be submitted with a Professional Engineer's stamp, subject to the discretion of the reviewing authority.

Design Data Sheet(s) must be submitted to the Water Superintendent for review and approval.

Submitted by: _____ Date: _____

Name of Company: _____ Tel: _____

Plumber Signature: _____

Plumber License # _____

Owner/Agent Signature: _____ Date: _____

For Departmental Use:

Comments _____

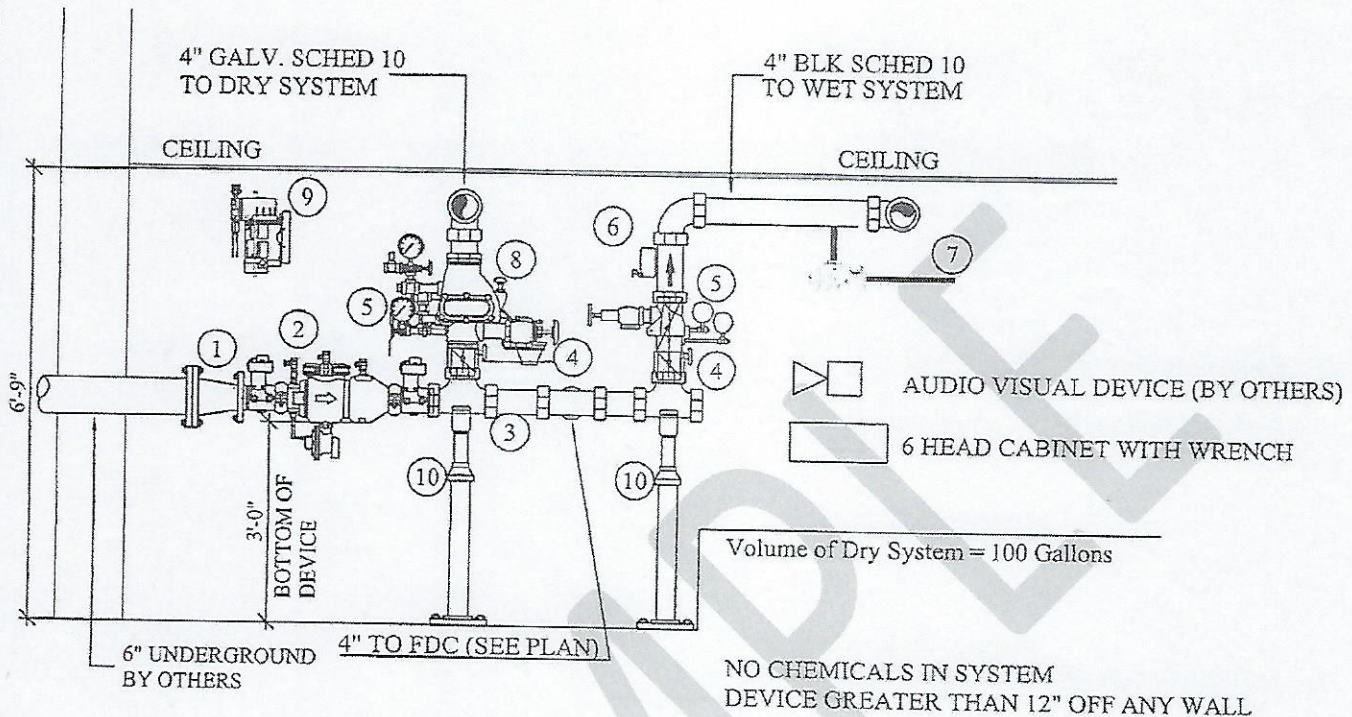
Reviewers: Surveyor's Signature _____
Coordinator's Signature _____

The Department of Environmental Protection delegates its responsibility under 310 CMR 22.22. to public water systems. Every public water system shall be responsible for controlling cross connections to the last free flowing outlet of the consumer and for the safety of the public water system under its jurisdiction.

All plumbing permits requiring testable backflow devices as well as all plans for a new, existing or substantially modified fire protection system, including residential fire protection systems, must have approval of the public water system. 310 CMR 22.22 (6) No plumbing permit shall be issued for cross connection installations requiring Reduced Pressure Zone Backflow Preventors or Double Check Valve assemblies until the application for such permit is accompanied by a letter of approval from the Department, its Designee or public water system.

MECHANICAL CONTRACTORS INC.

Sprinkler Contractors and DESIGNERS



RISER DETAIL

SCALE 3/8" = 1'-0"

- 1 6" x 4" CEMENT LINED FLANGED REDUCER
- 2 WILKINS 4" MODEL 375A REDUCED PRESSURE BACKFLOW WITH GROOVED END BUTTERFLY VALVES AND INTEGRAL SUPERVISORY SWITCHES
- 3 4" HEADER
- 4 4" GROOVED B-FLY WITH TAMPER SWITCH
- 5 4" RELIABLE RISER CHECK VALVE WITH TRIM AND 2" MAIN DRAIN
- 6 4" FLOW SWITCH
- 7 AGF TEST & DRAIN MODEL 1001 WITH RELIEF VALVE
- 8 4" TYCO DRY DPV-1 GROOVED DRY VALVE (Volume of Sytem=100 Gallons)
- 9 GENERAL RISER MOUNT AIR COMPRESSOR MODEL "OL25033AC" 1/3 HP
- 10 PIPE STAND

This shop drawing has been reviewed by _____ Inc.
_____ Inc. is responsible for the duties of the
register professional Engineer as required by 780 CMR 903.1 including:
Fire Protection Construction Documents, construction control, and all other
fire protection features & Systems

Mechanical Contractors Inc.
Street
Chicopee, MA 01020
Phone: () -
Fax: () -
Mass Sprinkler Lic.#
Expires:

Project:
ORANGE
MAIN STREET
ORANGE, MA

Drawing Title: Riser Detail

Drawn by:

Checked by:

Underwriter:

Scale: As-Noted

Date: - -

Page: BACKFLOW DETAIL