



## 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: \_\_\_\_\_

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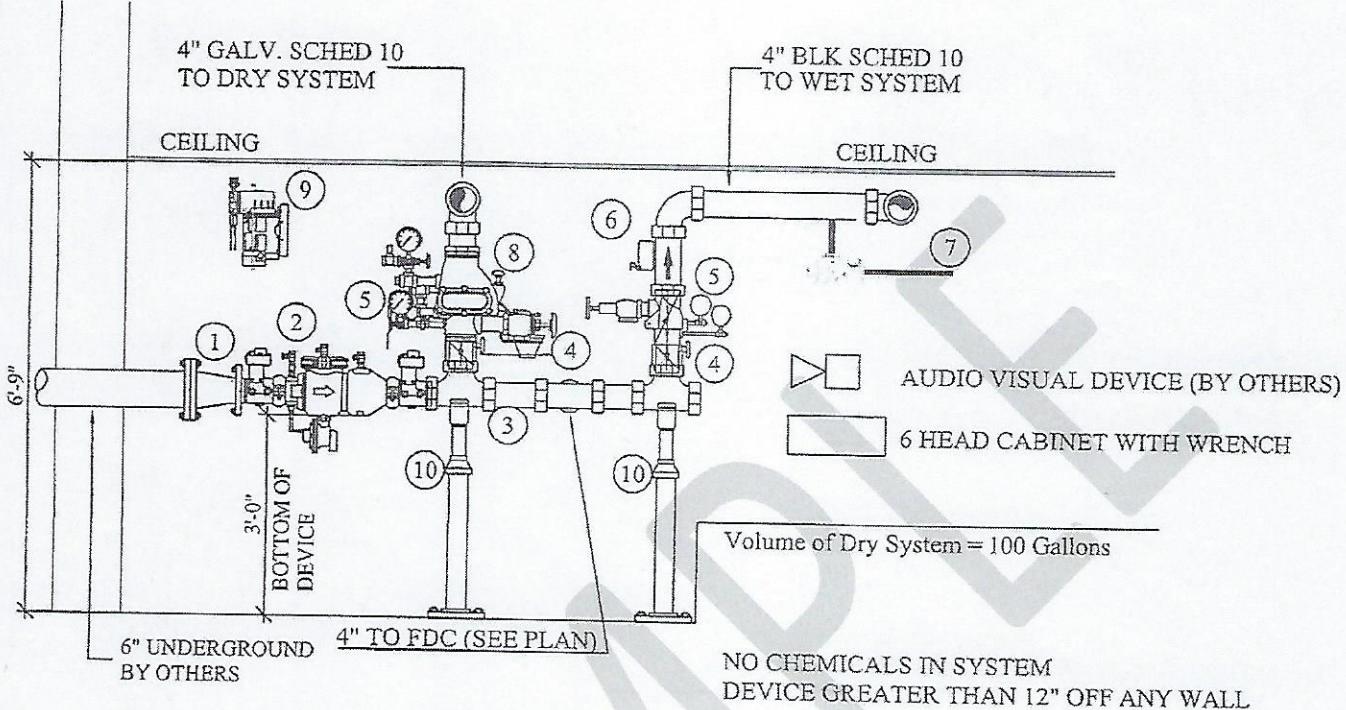
Reviewers: Surveyor's Signature \_\_\_\_\_  
Coordinator's Signature \_\_\_\_\_

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.

# MECANICAL 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 System=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: ( ) - Mass Sprinkler Lic.#  
Fax: ( ) - Expires:

Project:  
ORANGE  
MAIN STREET  
ORANGE, MA

Drawing Title: Riser Detail

Drawn by:

Checked by:

Underwriter:

Scale: As-Noted Date: - -

Page: BACKFLOW DETAIL