



Contractor's Material and Test Certificate for Aboveground Piping

Use this form to provide results and certify the aboveground piping testing performed. Submit one certification for each system.

Check which type of inspection completed: NFPA 13 NFPA 13R

Permit Information

1

Address: _____ Building/Suite: _____
Permit No.: _____

Building Owner / Owner's Agent

2

Provide the contact information for the building owner/owner's agent

Name: _____
Address: _____
Email: _____ Phone: _____

Contractor Information

Individual performing inspection and tests shall possess a valid FSSW license.

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(a) Fire Suppression Systems (FSS) Contractor Information

Contractor Name: _____ FSS Contractor License #: _____
Email: _____ Phone: _____

(b) Fire Suppression Systems Worker (FSSW) Information

FSSW Name: _____ FSSW License #: _____

Instructions

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Installation conforms to accepted plans: Yes Equipment used is approved: Yes

Has the owner or owner's agent been instructed as to location of control valves and care and maintenance of this new equipment? Yes

Have copies of the following been left on premises?

1. System components instructions: Yes
2. Care and maintenance instructions: Yes
3. NFPA 25: Yes

System Installation & Testing

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Sprinklers

Make	Model	Year of Manufacture	Orifice Size	Quantity	Temperature rating

Pipe & Fittings

Type of pipe: _____ Type of fittings: _____



**System Installation
& Testing
(continued)**

Alarm Valve or Flow Indicator

Alarm Device			Maximum time to operate through test connection	
Type	Make	Model	Minutes	Seconds

Dry Pipe Operating Test

Dry valve			Q.O.D.		
Make	Model	Serial No.	Make	Model	Serial No.

	Time to trip through test connection (a,b)		Water Pressure	Air Pressure	Trip point air pressure	Time water reached test outlet ^{a, b}		Alarm operated properly	
	Minutes	Seconds	Psi	Psi	Psi	Minutes	Seconds	Yes	No
Without Q.O.D.									
With Q.O.D.									

- a. Measured from time inspector's test connection is opened
- b. NFPA 13 only requires the 60-second limitation in specific sections

Deluge and Pre-Action Valves

Operation: Pneumatic Electric Hydraulics

Piping supervised: Yes Detecting media supervised: Yes

Does valve operate from the manual trip, remote, or both control stations? Yes

Is there an accessible facility in each circuit for testing: Yes

Make	Model	Does each circuit operate supervision loss alarm?		Does each circuit operate valve release?		Maximum time to operate release	
		Yes	No	Yes	No	Minutes	Seconds

Pressure-Reducing Valve Test

Location and floor	Make and model	Setting	Static pressure		Residual pressure (flowing)		Flow rate
			Inlet (psi)	Outlet (psi)	Inlet (psi)	Outlet (psi)	Flow (gpm)

Backflow Device Forward Flow Test

Indicate means used for forward flow test of backflow device: _____

When means to test device was opened, was system flow demand created? Yes

Form 79-770, Backflow Prevention Assembly Test and Maintenance Record, has been submitted to the PWD Industrial Waste and Backflow Compliance Division, and a copy is attached to this certificate: Yes

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**System Installation
& Testing
(continued)**

Test Description

Hydrostatic: Hydrostatic tests shall be made at not less than 200 psi (13.8 bar) for 2 hours or 50 psi (3.4 bar) above static pressure in excess of 150 psi (10.3 bar) for 2 hours. Differential dry pipe valve clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.

Pneumatic: Establish 40 psi (2.7 bar) air pressure and measure drop, which shall not exceed 1-1/2 psi (0.1 bar) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop, which shall not exceed 1-1/2 psi (0.1 bar) in 24 hours.

Tests

All piping hydrostatically tested at _____ psi (_____ bar) for _____ hours

Dry piping pneumatically tested: Yes N/A Equipment operates properly: Yes

Do you certify as the sprinkler contractor that additives and corrosive chemicals, sodium silicate or derivatives of sodium silicate, brine, or other corrosive chemicals were not used for testing systems or stopping leaks? Yes

Drain Test: Reading of gauge located near water supply test connections: _____ psi (_____ bar)

Residual pressure with valve in test connection open wide: _____ psi (_____ bar)

Underground mains and lead-in connections to system risers flushed before connection made to sprinkler piping Yes
Identify means of verification:

- Verified by copy of the Contractor's Materials and Test Certificate for Underground Piping
- Flushed by installer of underground sprinkler piping

If powder-driven fasteners are used in concrete, has representative sample testing been satisfactorily completed? Yes

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Blank Testing Gaskets

Number gaskets used: _____ Locations: _____ Number removed: _____

Welding

Welding piping: Yes No

If yes:

- Do you certify as the sprinkler contractor that welding procedures used complied with the minimum requirements of AWS B2.1, ASME Section IX Welding and Brazing Qualifications, or other applicable qualification standard as required by the AHJ? Yes
- Do you certify that all welding was performed by welders or welding operators qualified in accordance with the minimum requirements of AWS B2.1, ASME Section IX Welding and Brazing Qualifications, or other applicable qualification standards as required by the AHJ? Yes
- Do you certify that the welding was conducted in compliance with a documented quality control procedure to ensure that (1) all discs are retrieved; (2) that openings in piping are smooth, that slag and other welding residue are removed; (3) the internal diameters of piping are not penetrated; (4) completed welds are free from cracks, incomplete fusion, surface porosity greater than 1/16 in. (1.6 mm) diameter, undercut deeper than the lesser of 25% of the wall thickness or 1/32 in. (0.8 mm); and (5) completed circumferential butt weld reinforcement does not exceed 3/32 in. (2.4 mm)? Yes

Cutouts (discs)

Do you certify that you have a control feature to ensure that all cutouts (discs) are retrieved? Yes

Hydraulic Data Nameplate

Nameplate provided: Yes

Sprinkler contractor removed all caps and straps? Yes



Department of
Licenses and Inspections
 CITY OF PHILADELPHIA

*** DO NOT MAIL THIS FORM***

Date of Certification

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Date certified: _____

Additional
 Explanations and
 Notes

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Declaration & Signatures

By accepting this statement, I, the certified technician shown on this form, certify that this fire protection system(s) has been properly inspected for functional operation in accordance with current NFPA standards for this system. The certification must be presented by the Contractor to the building owner/owner's agent upon completion and shall be uploaded to the Fire Suppression Permit.

Signature of Contractor : _____ Date: _____

Signature of Property Owner / Owners Agent: _____ Date: _____