

Contractor's Material and Test Certificate for Aboveground Piping

PROCEDURE

Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job. A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners, and contractors. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME **20 THAMES STREET** DATE **2/20/19**

PROPERTY ADDRESS **166 FORE STREET PORTLAND, ME**

ACCEPTED BY **State of Maine Fire Marshal's Office**
 ADDRESS **45 Commerce Drive Suite 1 Augusta, ME 04330**

Installation conforms to accepted plans Yes No
 Equipment used is approved If no, explain deviations. Yes No

Has person in charge of fire equipment been instructed as to location of control valves and care and maintenance of this new equipment? If no, explain? Yes No

Has copies of the following been left on the premises?
 1. System components instructions Yes No
 2. Care and maintenance instructions Yes No
 3. NFPA 25 (Owners Manual) Yes No

LOCATION OF SYSTEM Supplies buildings **GARAGE NFPA 13 DRY**

SPRINKLERS	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE/K-FACTOR	QUANTITY	TEMPERATURE RATING
		GLOBE	GL5615	2018	K 5.6	26
	<i>Glome</i>	<i>GL5635</i>	<i>2019</i>	<i>K 5.6</i>	<i>2</i>	<i>200°</i>

PIPING & FITTINGS Type of pipe **BLACK IRON**
 Type of fittings **BLACK IRON**

ALARM VALVE OR FLOW INDICT.	Alarm Device			Maximum time to operate through test connection.	
	Type	Make	Model	Minutes	Seconds
	<i>Pressure</i>	<i>System Sensor</i>	<i>KPS 10-2</i>		<i>3</i>

DRY PIPE OPERATION TEST	Dry valve			Q.O.D.			
	Make	Model	Serial no.	Make	Model	Serial no.	
	<i>Refrille</i>	<i>EX</i>	<i>057018</i>				
	Time to trip through test connection ¹	Water pressure	Air pressure	Trip point air pressure	Time water reached test outlet ¹	Alarm operated properly	
Minutes	Seconds	Psi	Pai	Minutes	Seconds	Yes	No
Without Q.O.D.		<i>5</i>	<i>100</i>	<i>20</i>	<i>8</i>	<i>11</i>	<input checked="" type="checkbox"/>
With Q.O.D.							

If no, explain

Operation Pneumatic Electric Hydraulic

Piping supervised Yes No Detecting Media supervised Yes No

Does valve operate from the manual trip, remote, or both control stations? Yes No

Is there an accessible facility in each circuit for testing? Yes No If no, explain.

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

PRESSURE REDUCING VALVES	Location and floor	Make & Model	Setting	Static Pressure		Residual Pressure (flowing)		Flow rate
				Inlet (psi)	outlet (psi)	Inlet (psi)	outlet (psi)	Flow (gpm)

¹ Measured from time inspector's test connection is opened.

BACKFLOW FORWARD FLOW TEST

Indicate means used for forward flow test of backflow device 2 1/2 hose valve in valve room
 When means to test device was opened, was system flow demand created? Yes No

TEST DESCRIPTION

Hydrostatic: Hydrostatic tests shall be made at not less than 200 psi (13.6 bar) for 2 hours or 50 psi (3.4 bar) above static pressure in excess of 150 psi (10.2 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.

TEST

All piping hydrostatically tested at 200 psi (13.6 bar) for 2 hours If no, state reason
 Dry piping pneumatically tested Yes No
 Equipment operates properly Yes No

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 of stopping leaks? Yes No

Drain test	Reading of gauge located near water supply test connection: <u>100</u> psi (____ bar).	Residual pressure with valve in test connection open wide: <u>100</u> psi (____ bar).
------------	--	---

Underground mains and lead in connections to system riser flushed before connection made to sprinkler piping?
 Verified by copy of the U Form No. 85B flushed by installer of underground sprinkler piping? Yes No Yes No Other Explain By other
 If power-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? Yes No Yes No If no, explain None used

BLANK TESTING GASKETS

Number used <u>0</u>	Locations <u>_____</u>	Number removed <u>0</u>
----------------------	------------------------	-------------------------

WELDING

Welding piping Yes No
 If Yes...
 Do you certify as the sprinkler contractor that welding procedures comply with the requirements of at least AWS B2.1? Yes No
 Do you certify that the welding was performed by welders qualified in compliance with the requirements of at least AWS B2.1? Yes No
 Do you certify that the welding was carried out in compliance with a documented quality control procedure to ensure that all discs are retrieved, that openings in piping are smooth, that slag and other welding residue are removed, and that the internal diameters of piping are not penetrated? Yes No

CUTOUTS (DISCS)

Do you certify that you have a control feature to ensure that all cutouts (discs) are retrieved? Yes No

HYDRAULIC DATA NAMEPLATE

Nameplate provided Yes No If no, explain

CAPS & STRAPS

SPRINKLER CONTRACTOR REMOVED ALL THE CAPS AND STRAPS? Yes No

REMARKS

Date left in service with all control valves open 2/14/19

SIGNATURES

Name of sprinkler contractor High Tech Fire Protection
 Test witnessed by
 For property owner (signed) [Signature] Title Superintendent Date 2/20/19
 For sprinkler contractor (signed) [Signature] Title Inspector 310 Date 2/22/19

Additional Explanations and notes

SPRINKLERS

--	--	--	--	--	--

Contractor's Material and Test Certificate for Aboveground Piping

PROCEDURE

Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job. A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners, and contractors. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME **20 THAMES STREET** DATE **2/20/19**

PROPERTY ADDRESS **166 FORE STREET PORTLAND, ME**

ACCEPTED BY **State of Maine Fire Marshal's Office**

PLANS ADDRESS **45 Commerce Drive Suite 1 Augusta, ME 04330**

Installation conforms to accepted plans Yes No
 Equipment used is approved If no, explain deviations. Yes No

INSTRUCTIONS Has person in charge of fire equipment been instructed as to location of control valves and care and maintenance of this new equipment? If no, explain? Yes No

Has copies of the following been left on the premises?
 1. System components instructions Yes No
 2. Care and maintenance instructions Yes No
 3. NFPA 25 (Owners Manual) Yes No

LOCATION OF SYSTEM Supplies buildings **ENTIRE BUILDING EXCEPT GARAGE NFPA 13 WET**

	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE/K-FACTOR	QUANTITY	TEMPERATURE RATING
SPRINKLERS	GLOBE	GL5610	2018	K 5.6	583	155°
	GLOBE	GL5615	2018	K 5.6	50	155°
	GLOBE	GL5601	2018	K 5.6	11	155°
	GLOBE	GL5626	2018	K 5.6	4	155°

PIPING & FITTINGS Type of pipe **BLACK IRON / CPVC**
 Type of fittings **BLACK IRON / CPVC**

ALARM VALVE OR FLOW INDICT.	Alarm Device			Maximum time to operate through test connection.	
	Type	Make	Model	Minutes	Seconds
	VAND	Potte-	VSR-M (Globe)		15

DRY PIPE OPERATION TEST	Dry valve				O.O.D.							
	Make		Model		Serial no.		Serial no.					
	Time to trip through test connection ¹		Water pressure		Air pressure		Trip point air pressure		Time water reached test outlet ¹		Alarm operated properly	
	Minutes	Seconds	Psi		Psi		Psi		Minutes	Seconds	Yes	No
Without O.O.D.												
With O.O.D.												

If no, explain

DELUGE & PREACTION VALVES

Operation Pneumatic Electric Hydraulic

Piping supervised Yes No Detecting Media supervised Yes No

Does valve operate from the manual trip, remote, or both control stations? Yes No

Is there an accessible facility in each circuit for testing? Yes No If no, explain.

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

PRESSURE REDUCING VALVES	Location and floor	Make & Model	Setting	Static Pressure		Residual Pressure (flowing)		Flow rate
				Inlet (psi)	outlet (psi)	Inlet (psi)	outlet (psi)	Flow (gpm)

¹ Measured from time inspector's test connection is opened.

BACKFLOW FORWARD FLOW TEST

Indicate means used for forward flow test of backflow device 2 1/2 hose valve in valve Room

When means to test device was opened, was system flow demand created? Yes No

TEST DESCRIPTION

Hydrostatic: Hydrostatic tests shall be made at not less than 200 psi (13.6 bar) for 2 hours or 50 psi (3.4 bar) above static pressure in excess of 150 psi (10.2 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.

TEST

All piping hydrostatically tested at 200 psi (13.8 bar) for 2 hours
 Dry piping pneumatically tested Yes No
 Equipment operates properly Yes No
 If no, state reason No dry piping

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 of stopping leaks? Yes No

Drain test	Reading of gauge located near water supply test connection: <u>100</u> psi (___ bar).	Residual pressure with valve in test connection open wide: <u>180</u> psi (___ bar).
------------	---	--

Underground mains and lead in connections to system riser flushed before connection made to sprinkler piping?
 Verified by copy of the U Form No. 85B flushed by installer of underground sprinkler piping? Yes No Yes No
 Other Explain By others

If power-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? Yes No
 If no, explain None used

BLANK TESTING GASKETS

Number used <u>0</u>	Locations _____	Number removed <u>0</u>
----------------------	-----------------	-------------------------

WELDING

Welding piping Yes No
 If Yes...
 Do you certify as the sprinkler contractor that welding procedures comply with the requirements of at least AWS B2.1? Yes No
 Do you certify that the welding was performed by welders qualified in compliance with the requirements of at least AWS B2.1? Yes No
 Do you certify that the welding was carried out in compliance with a documented quality control procedure to ensure that all discs are retrieved, that openings in piping are smooth, that slag and other welding residue are removed, and that the internal diameters of piping are not penetrated? Yes No

CUTOUTS (DISCS)

Do you certify that you have a control feature to ensure that all cutouts (discs) are retrieved? Yes No

HYDRAULIC DATA NAMEPLATE

Nameplate provided Yes No
 If no, explain _____

CAPS & STRAPS

SPRINKLER CONTRACTOR REMOVED ALL THE CAPS AND STRAPS? Yes No

REMARKS

Date left in service with all control valves open 2/14/19

SIGNATURES

Name of sprinkler contractor High Tech Fire Protection
 Test witnessed by _____

For property owner (signed) <u>[Signature]</u>	Title <u>Supervisor</u>	Date <u>2/20/19</u>
For sprinkler contractor (signed) <u>[Signature]</u>	Title <u>Inspector 310</u>	Date <u>2/20/19</u>

Additional Explanations and notes _____

SPRINKLERS

--	--	--	--	--	--