

65 Warren Ave.

### Contractor's Material and Test Certificate for Aboveground Piping

**PROCEDURE**

Upon completion of work, inspection and test 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 contractor. 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 for local ordinances.

Property name Evolution Rocks

Date 2-13-15

Property address 65 Warren Ave, Portland, ME 04103

Plans

Accepted by approving authorities (names)  
State of Maine, City of Portland

Address  
380 Congress Street, Portland, ME

Installation conforms to accepted plans  Yes  No

Equipment used is approved  Yes  No  
If no, explain deviations

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

Have copies of the following been left on the premises?  Yes  No

1. System components instructions  Yes  No
2. Care and maintenance instructions  Yes  No
3. NFPA 25  Yes  No

Location of System

Supplies buildings

Sprinklers

Make	Model	Year of Manufacture	Orifice Size	Quantity	Temperature Rating
Reliable	F1FR56	2014	1/2"	107	155°

Pipe and Fittings

Type of pipe ASTM  
Type of fittings ASTM

Alarm Valve or Flow Indicator

Alarm device			Maximum time to operate through test connection	
Type	Make	Model	Minutes	Seconds
Flow	Potter	VSR		36

Dry Pipe Operating Test

Make	Dry Valve			Q.O.D		Time to trip Through Test Connection 1,2	Water Pressure	Air Pressure	Trip point Air Pressure	Time Water Reached Test Outlet 1,2		Alarm Operated Properly	
	Model	Serial no.		Make	Model					Serial no.	Minutes	Seconds	Yes
N/A	N/A	N/A	N/A	N/A	N/A	N/A							
Without Q.O.D	N/A	N/A	N/A	N/A	N/A	N/A	psi	psi	psi	Minutes	Seconds	Yes	No
With Q.O.D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

If no, Explain

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

Deluge and Preaction Valves	Operation							
	<input type="checkbox"/> Pneumatic				<input type="checkbox"/> Electric			
	<input type="checkbox"/> Hydraulic				Piping Supervised <input type="checkbox"/> Yes <input type="checkbox"/> No			
	Does valve operate from the manual trip, remote or both <input type="checkbox"/> Yes <input type="checkbox"/> No				Detecting Media Supervised <input type="checkbox"/> Yes <input type="checkbox"/> No			
N/A	Is there an accessible facility in each circuit for testing? <input type="checkbox"/> Yes <input type="checkbox"/> No							
	If no, explain							
	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)
N/A								
Test Description	<p><b>Hydrostatic:</b> Hydrostatic Test shall be made at no 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 shall be stopped.</p> <p><b>Pneumatic:</b> 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 tank 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.</p>							
Tests	All Piping hydrostatically tested at <u>200</u> psi ( <u>13.6</u> bar) for <u>2</u> hours							
	Dry piping pneumatically tested <input type="checkbox"/> Yes <input type="checkbox"/> No				If no, state reason			
	Equipment operates properly <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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 or stopping leaks? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Blank Testing Gaskets	Drain Test	Reading of gauge located near water			Residual pressure with valve in test			
		Supply test connection: <u>60</u> psi ( <u>4.1</u> bar)			Connection open wide: <u>45</u> psi ( <u>3.1</u> bar)			
	Underground mains and lead-in connections to system risers flushed before connection made to sprinkler piping							
	Verified by copy of the Contractor's Material and Test Certificate for Underground Piping. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Other Explain			
Welding	Flushed by installer of underground sprinkler piping <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
	If powder-driven fasteners are used in concrete, has representative sample testing been satisfactory completed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				If no, explain No powder-driven fasteners were used in concrete.			
Welding	Number used		Locations			Number Removed		
	Welding Piping <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes.....					
Cutouts (discs)	Do you certify as the sprinkler contractor that welding procedures comply with the requirements of at least AWS B2.1? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
	Do you certify that the welding was performed by welders qualified in compliance with the requirements of at least AWS B2.1? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Hydraulic Data Nameplate	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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
	Do you certify that you have a control feature to ensure that all cutouts (discs) are retrieved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Remarks	Nameplate provided <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				If no, explain			
	Date left in service with all control valves open							
Signatures	Name of Sprinkler Contractor <u>Hampshire Fire Protection</u>							
	Test Witnessed By: <u>[Signature]</u>							
	For Property Owner (signed)				Title		Date <u>2/13/15</u>	
	For Sprinkler Contractor (signed) <u>[Signature]</u>				Title <u>Field Engineer</u>		Date <u>2/13/15</u>	
Additional explanations and notes.								