

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 **ALTA VISTA** DATE **11/15/17**

PROPERTY ADDRESS **495 FOREST AVENUE 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? Yes No
 If no, explain?
 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 NFPA 13 WET**

SPRINKLERS	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE/K-FACTOR	QUANTITY	TEMPERATURE RATING
	GLOBE	GL5601 PENDENT	2016	K 5.6	12	155'
	GLOBE	GL5635 DRY PENDENT	2016	K 5.6	7	200'
	GLOBE	GL5615 UPRIGHT	2016	K 5.6	63	200'
	GLOBE	GL5626 HSW	2016	K 5.6	3	155'
	VIKING	VK595 CMSA UPRIGHT	2016	K 25.2	98	212'

PIPING & FITTINGS Type of pipe **SCHEDULE 10 / 40 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
	VANE	SYSTEM SENSOR	WFD 40 N	0	28

DRY PIPE OPERATION TEST	Dry valve			Q.O.D.					
	Make	Model	Serial no.	Make	Model	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 Q.O.D.									
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 _____
 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.

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

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

TEST
 Drain test Reading of gauge located near water supply test connection: 95 psi (____ bar).
 Residual pressure with valve in test connection open wide: 90 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
 Other Explain

If power-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? Yes No
 If no, explain

BLANK TESTING GASKETS
 Number used Locations Number removed

Welding piping Yes No
 If Yes...

WELDING
 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 11/15/17

SIGNATURES
 Name of sprinkler contractor High Tech Fire Protection
 Test witnessed by
 For property owner (signed) _____ Title _____ Date 11/15/17
 For sprinkler contractor (signed) Charlotte Nelson Title CONSTRUCTION SUPER INSPECTOR/TECHNICIAN Date 11/15/17

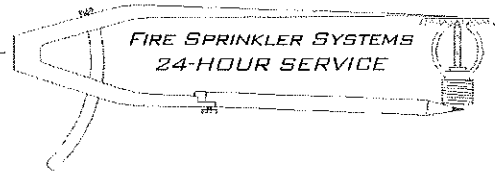
Additional Explanations and notes

SPRINKLERS

HIGH TECH FIRE PROTECTION

PO Box 156 • MINOT, ME 04258-0156

PHONE: (207)998-2551 • FAX: (207)998-4187



Date: November 15, 2017

To: Zachau Construction

From: Ed Pennell

Sprinkler System Warranty and NFPA Compliance for Alta Vista at 495 Forest Avenue in Portland Maine.

High Tech Fire Protection has installed a new system protecting the entire building located at 495 Forest Avenue in Portland Maine.

High Tech Fire Protection hereby guarantees the design, materials and workmanship for the sprinkler work on the Alta Vista project to meet the requirements necessary for an approved NFPA #13 2016 Automatic Fire Sprinkler System per State and local authority.

Our work carries a one year warranty from the date of substantial completion (November 15, 2017 to November 15, 2018). This pertains to only work included in our fire sprinkler system contract # 033017-1.

We shall remove, replace and /or repair at our own expense and at the convenience of the owner any faulty, defective or improper work, material completed by High Tech Fire Protection within one year from the date of acceptance of the project as a whole by the architect and owner.

Sincerely,
Ed Pennell
High Tech Fire Protection
207-998-2551
EPennell@htfp.me

*Specializing in Commercial and Residential Fire Sprinkler Systems
Design • Installation • Inspection • Service*



State of Maine
Department of Public Safety



Fire Sprinkler System Permit

FSP13346

ALTA VISTA

Located at: 495 FOREST AVE
In the Town of: PORTLAND
Occupancy/Use: Mercantile Class A
Type of System: NFPA 13

Permission is hereby given to:

HIGH TECH FIRE PROTECTION CO., INC.
Contractor License # FSC102

to begin installation according to plans submittal approved by the Office of State Fire Marshal. No departure from the application submittal shall be made without prior approval in writing. This permit is issued under the provisions of Title 32, Chapter 20, Section 1337. Nothing herein shall excuse the holder of this permit from failure to comply with local ordinances, zoning laws, or other pertinent legal restrictions. This permit shall be displayed at the construction site or be made readily available.

Permit issued **8/24/2017**

Permit expires at midnight on **02/23/2018**

The expiration date applies only if the installation has not begun by that date and no permission has been granted to extend the date. Once installation begins, then the permit is valid as long as work is continuous.

John E. Morris
Commissioner

The type of Fire Department Connection and its location is to be according to the Local Fire Department.

Within 30 days of the completion of a new fire sprinkler system or an addition to an existing fire sprinkler system, a sprinkler system contractor shall provide to the commissioner a copy of the permit signed by the certified responsible managing supervisor representing that the fire sprinkler system has been installed according to specifications of the approved plan.

Inspection Dates: 11-14-17, 10-12/7 9-5-17

Job completed, tested and verified by date of 11-15-17

RMS for this job: Poulin Edward M.

RMS Signature Edmund Poulin