RESIDENTIAL FIRE PROTECTION

June 20, 2012

Portland Fire Department
84 Eastern Promenade
Portland, Maine 04103

Attn: Ben Wallace

Re: 84 Eastern Promenade
Fire Sprinkler System installation

Please be informed that the Wet Pipe Fire Sprinkler System addition for the above project is designed, installed and tested based on the requirements of NFPA #13R, State of Maine Fire Marshall's office and Portland Fire Department requirements.

If you have any questions or concerns please contact us at (207) 946-3473

Thank you

Stan Camic

64 DAGGETT HILL RD. • GREENE, MAINE • 04236
PHONE: (207) 946-3473 • FAX: (207) 946-3474

Contractor's Material and Test Certificate for Aboveground Piping

A. Procedure (Conforms to NFPA 13-1994)

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 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 or local ordinances. All "No" answers shall be explained in the Comments portion of this form.

Property Name: SUEASTERN PROM

Property Address: Portland Me Date 5-22-12

B. Plans

1. Accepted by Approving Authorities (Names): State
2. Address: Fire Marshalls office
3. Installation conforms to accepted plans ☒ Yes ☐ No
4. Equipment used is approved ☒ Yes ☐ No

C. Instructions

1. 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
2. Have copies of the following been left on the premises:
   a. System components instructions ☒ Yes ☐ No
   b. Care and maintenance instructions ☒ Yes ☐ No
   c. NFPA 25 ☐ Yes ☒ No

D. Location of system - Supplies building: First floor

E. Sprinklers

Make	Model	Year Made	Orifice	Quantity	Temperature
Viking	486	2012	½	24	155
Viking	2738	2012	½	5	155
Viking	2704	2012	½	1	155

F. Pipe and Fittings

1. Type of Pipe: Sch 40 Blk / CPVC
2. Type of Fittings: Ductile CPVC

G. Alarm Valve or Flow Indicator

Type	Make	Model	Max. Time to Operate Through Insp. Test
Vane	Potter	VSR	32 Seconds

H. Dry-Pipe Valve

1. Make and Model:
2. Serial Number:

I. Quick Opening Device (Q.O.D.)

1. Make and Model:
2. Serial Number:

J. Dry-Pipe System Operating Test Without Q.O.D.

1. Time to trip through test connection*:
2. Water pressure ____ psi. Air pressure ____ psi.
3. Trip point air pressure ____ psi.
4. Time water reached test outlet*:
5. Alarm operated properly ☐ Yes ☐ No

K. Dry-Pipe System Operating Test With Q.O.D.

1. Time to trip through test connection*:
2. Water pressure ____ psi. Air pressure ____ psi.
3. Trip point air pressure ____ psi.
4. Time water reached test outlet*:
5. Alarm operated properly ☐ Yes ☐ No

L. Deluge and Preaction Valves

1. Make and Model:
2. Operation: ☐ Pneumatic ☐ Electric ☐ Hydraulic
3. Piping and detecting media supervised ☐ Yes ☐ No
4. Does valve operate from manual trip and/or remote control stations ☐ Yes ☐ No
5. Is there an accessible facility in each circuit for testing ☐ Yes ☐ No
6. Does each circuit operate supervision loss alarm ☐ Yes ☐ No
7. Does each circuit operate valve release ☐ Yes ☐ No
8. Maximum time to operate release:

M. Pressure Reducing Valve

1. Location and Floor:
2. Make and Model:
3. Setting:
4. Static Pressure: Inlet ____ psi, Outlet ____ psi
5. Residual Pressure (Flowing): Inlet ____ psi, Outlet ____ psi
6. Flow Rate: ____ gpm

*measured from time inspectors test connection is opened

N. Test Description

Hydrostatic: Hydrostatic tests shall be made at not less than 200 psi (13.6 bars) for two hours or 50 psi (3.4 bars) above static pressure in excess of 150 psi (10.2 bars) for two hours. Differential dry-pipe valve clappers shall be left open during test to prevent damage. All aboveground piping leakage shall be stopped.

Pneumatic: Establish 40 psi (2.7 bars) air pressure and measure drop, which shall not exceed 1.5 psi (0.1 bars) in 24 hrs. Test pressure tanks at normal water level and air pressure and measure air pressure drop, which shall not exceed 1.5 psi (0.1 bars) in 24 hrs.

O. Tests

1. All piping hydrostatically tested at 200 psi for 2 hours
2. Dry piping pneumatically tested N/A ☐ Yes ☐ No
3. Equipment operates properly ☐ Yes ☐ No
4. 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 ☐ No
5. Drain Test:
   a. Static pressure reading of gage located near water supply connection 70 psi.
   b. Residual pressure with valve in test connection open wide 60 psi.
6. Underground mains and lead in connections to risers flushed before connection made to sprinkler piping and verified by copy of form No. 13-U ☑ Yes ☐ No
7. Flushed by installer of underground piping ☒ Yes ☐ No
8. If powder driven fasteners are used in concrete, has representative sample testing been satisfactorily completed? N/A ☐ Yes ☐ No

P. Blank Testing Gaskets

1. Number used: None
2. Locations:
3. Number removed:

Q. Welded Piping - If welded piping was used in the system, complete the following:

1. Do you certify as the sprinkler contractor that welding procedures comply with the requirements of at least AWS D10.9, Level AR-3 ☒ Yes ☐ No
2. Do you certify that the welding was performed by welders qualified in compliance with the requirements of at least AWS D10.9, Level AR-3 ☒ Yes ☐ No
3. Do you certify that welding was carried out in compliance with a documented quality control procedure to insure that all discs are retrieved, openings in the pipe are smooth, slag and other welding residue are removed, and the internal diameters of piping are not penetrated ☒ Yes ☐ No

R. Cutouts (Disks)

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

S. Hydraulic Data Nameplate Provided ☒ Yes ☐ No

T. Date left in service (with all control valves open):

U. Signatures

1. Name of sprinkler contractor: Residential Fire Prot.
2. Tests witnessed by:
   For property owner (Signed): Geoffrey A. King
   Title: Date: 5-22-12
   For sprinkler contractor (Signed): [signature]
   Title: Inspector Date: 5-22-12

V. Comments (This section is for additional explanation and notes. All "No" answers must be explained here.)

☐ Check here if comments continue on reverse side of this form

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   Title: Date: 5-22-12
   For sprinkler contractor (Signed): [signature]
   Title: Inspector Date: 5-22-12

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