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

for

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 1. Type of Pipe: Sha Ho I 2. Type of Fittings: Duck le G. Alarm Valve or Flow Indicator Type Make Model Max. Time to E. Sprinklers
Make Mod VIKING 1. Make and Model:
2. Serial Number:
1. Quick Opening Device (Q.O.D.)
1. Make and Model:
2. Serial Number: Property Address:_ the Comments portion of this form.

Property Name: SY SASTERN

Property Address: Portland Na Contractor's Material and Test Certificate

A. Procedure (Conforms to NFPA 13-1994) F. Pipe and Fittings J. Dry-Pipe System Operating Test Without Q.O.D. H. Dry-Pipe Valve in 5. Alarm operated properly

L. Deluge and Preaction Valves

1. Make and Model: 8. Maximum/time to operate release:
M. Pressure/Reducing Valve •méasured from time inspectors test connection is opened
©1995 National Fire Sprinkler Association, P.O. Box 1000, Patterson, NY 12563, (845) 878-4200 5. Alarm operated properly ... Dry-Pipe System Operating Test With Q.O.D 2. Water pressure _____ psi. A
3. Trip point air pressure ____
4. Time water reached test outlet*: Accepted by Approving Authorities (Names): Shall Trip point air pressure
 Time water reached test outlet 1. Time to trip through test connection* Location of system - Supplies building: First Instructions 2. Operation:
Pneumatic in King 4. Stafic Pressure: Inlet Instructions

Has person in charge of fire equipment been instructed as to location of control valves and care and maintenance of this new equipment (2) Yes

Have copies of the following been left on the premises: Location and Floor: Installation conforms to accepted plans Equipment used is approved c. NFPA 25 Does Is there an acco Time to trip through lest connection Does each circuit operate supervision loss ala Does each circuit operate valve release Piping and detecting/media supervise Does valve operate/from manual trip remote control stations Water pressure Setting: Plow Rate: Residual Pressure (Flowing): Make/and Model: are and maintenance instructions
 fodel
 Year Made
 Opifice
 Quantity
 Temperature

 186
 2012
 12
 24
 155

 728
 2012
 12
 4
 155

 764
 2012
 12
 155
 155
 s Shorte sible facility in each circuit gpm psi. Air pressure psi. Air pressure Electric Operate Thre Outlet PROM nd/or ☐ Hydraulic☐ Yes m O Yes Outlet Date 522-12 OYes ONO □ Yes C Q Z S S S Yes Yes Insp. psi. psi. ONO 0 % 0 0 % 2 % % 0 0 0 ONO ONO ONO O No Test Test Description Check here if comments continue on reverse side of this form

boveground Piping

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

air pressure drop, which psi for Z hours yes ONe Yes ONe or that hrine	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 \(\frac{\text{COC}}{\text{D}}\) psi for \(\frac{\text{Z}}{\text{D}}\) hours 2. Dry piping pneumatically tested \(\text{A}\) \(\frac{\text{A}}{\text{D}}\) \(\text{D}\) Yes \(\text{D}\) No 3. Equipment operates properly 4. Do you certify as the sprinkler contractor that additives and corrosive chemicals, sodium silicate or derivatives of sodium silicate hrine.
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planation and notes.	All "No" answers must be explained here.)
Date: 5/2-17	Title: head of (signed): Date: Shall
Date: 3-72-1	\sim 1)
to the took.	sprinkler contractor: Kes
Deyes I No	ensure that all cutouts (disks) are retrieved? S. Hydraulic Data Nameplate Provided
1	R. Cutouts (Disks) Do you certify that you have a control feature to
nal Skyes DNo	welding residue are removed, and the internal diameters of piping are not penetrated
rol ed,	
in R-3 SEYes D No	by welders qualified in compliance with the requirements of at least AWS D10.9, Level AR-3 SEYes 3. Do you certify that welding was carried out in
SkYes □ No ned	ments of at least AWS D10.9, Level AR-3 2. Do you certify that the welding was performed
at	1. Do you certify as the sprinkler contractor that
in the system,	3. Number removed: Q. Welded Piping - If welded piping was used in the system,
	1. Number used: None 2. Locations:
□ Yes □ No	satisfactorily completed? \mathcal{M}
ete,	7. Flushed by installer of underground piping8. If powder driven fasteners are used in concrete,but representative compile testing been
Yes	risers flushed before connection made to sprinkler piping and verified by copy of form No. 13-U
ទ	open wide C psi. 6. Underground mains and lead in connections to
ection	 a. Static pressure reading of gage located near water supply connection psi. b. Residual pressure with valve in test connection
APYes ONo	testing systems or stopping leaks? 5. Drain Test:
g'	or other corrosive chemicals were not used for

13-A Page I of

Viking E. Sprinklers
Make Moc Type 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 Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. A 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 Property Address: Property Name: Contractor's Material and Test Certificate for A. Procedure (Conforms to NFPA 13-1994) F. Pipe and Fittings J. Dry-Pipe System Operating Test Without Q.O.D. H. Dry-Pipe Valve 5. Alarm operated properly
K. Dry-Pipe System Operating Test With Q.O.D in 8. Maximum/time to operate release:
M. Pressure/Reducing Valve 5. Alarm operated properly

L. Deluge and Preaction Valyes 2. Water pressure _____ psi. A
3. Trip point air pressure ____
4. Time water reached test outlet*: Make and Model:
 Serial Number: Accepted by Approving Authorities (Names): Shall, Address: Marshalls office 1. Time to trip through test connection* Instructions 2. Operation: Pneumatic Trip point air pressure
 Trime water reached test outlet Alarm Valve or Flow Indicator

Type Make Model Max. Time

10.16 USC

22 Location of system - Supplies building: First I. Make and Model: 4. Stafic Pressure: Inlet 1. Location and Floor: b. Care and maintenance instructions c. NFPA 25 Has person in charge of fire equipment been instructed as to location of control valves and care and maintenance of this new equipment Ary Have copies of the following been left on the premises: Equipment used is approved Installation conforms to accepted plans Type of Fittings:. a. System components instructions Does Type of Pipe: Water pressure Time to trip through lest connection Does each circuit operate supervision loss alà
Does each circuit operate valve release Is there an acce Piping and detecting/media supervise Does valve operate/from manual trip remote control stations Plow Rate: Setting: Residual Pressure (Flowing): Make/and Model: Year Made Opifice Quantity Temperature School 10 sible facility in each circu (Q.O.D.) gpm psi. Air pressure psi. Air pressure C Electric psi. While Operate Thrs Outlet PRON nd/or □ Hydraulic □ Yes psi, m 🗆 Yes Outlet Date 5-22-12 □ Yes 0 Oxyes Ono Oyes Oxyo □ Yes Q Yes 2 Yes Yes Insp. 55 psi. psi. ONO 0 % 0 0 2 % % 0 0 0 ONO ONO ONO ONO Test <u>~</u> 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. 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 P. Blank Testing Gaskets
1 Number used: NONE Do you certify that you have a control feature to ensure that all cutouts (disks) are retrieved?

S. Hydraulic Data Nameplate Provided Q. Welded Piping - If welded piping was used in the system complete the following: V. Comments (This section is for additional explanation and notes.

All "No" answers must be explanation of home. U. Signatures open wide ______ 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 27. Flushed by installer of underground piping

7. Flushed by installer of underground piping

8. If powder driven fasteners are used in concrete, 'n Equipment operates properly
 Do you certify as the sprinkler contractor that welding procedures comply with the requirements of at least AWS D10.9, Level AR-3

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 SEYes 3. Do you certify that welding was carried out in 1. Name of sprinkler contractor: Residents
2. Tests witnessed by: boveground Piping Date left in service (with all control Cutouts (Disks) **Test Description** has representative sample testing been satisfactorily completed? \mathcal{N} Drain silicate or derivatives of sodium silicate, brine, or other corrosive chemicals were not used for testing systems or stopping leaks? procedure to insure that all discs are retrieved, openings in the pipe are smooth, slag and other welding residue are removed, and the internal Number used: 2 additives and corrosive chemicals, sodium Do you certify as the sprinkler contractor that Number removed: diameters of piping are not penetrated compliance with a documented quality Locations: For sprinkler contractor (Signed):
Title: Incompared Title: Tests witnessed by: For property owner (Signed):. Residual pressure with valve in test connection Static pressure reading of gage located near water supply connection answers must be explained here.) Check here if comments continue on reverse side of this form

psi

XD Yes @ Yes

2 % 0 0 %

□ Yes

O No

brine,

_ hours

A Yes

ONO

valves open):

Prot.

DAYes

0 N 0

TXYes

O N O

O No

ONO

Date: 5-72-1