



State of Maine
Department of Public Safety



Fire Sprinkler System Permit

FSP12779

PATRONS OXFORD OFFICES

Located at: 97 TECHNOLOGY PARK DR
In the Town of: PORTLAND
Occupancy/Use: Business
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 11/08/2016

Permit expires at midnight on 05/07/2017

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: _____

Job completed, tested and verified by date of 05/31/2017

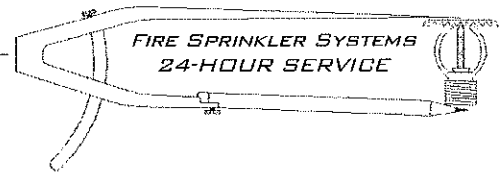
RMS for this job: Foss Jeremy A.

RMS Signature

HIGH TECH FIRE PROTECTION

PO Box 156 • Minot, ME 04258-0156

Phone: (207)998-2551 • Fax: (207)998-4187



NFPA Letter of Compliance

Date: May 31, 2017

To: Jon Provost (Zachau Construction)

From: Jeremy A Foss

Re: Sprinkler System Compliance for Patrons Oxford Insurance.

High Tech Fire Protection has provided a new fire sprinkler system throughout the Patrons Oxford Insurance building located at 97 Technology Park Drive in Portland ME. The system consists of a wet pipe sprinkler system protecting the entire structure with the exception of the server room which is protected by a single interlock pre-action system.

High Tech Fire Protection hereby guarantees the design, materials and workmanship for the Patrons Oxford Insurance Project to meet the requirements necessary for an approved NFPA #13 Automatic Fire Sprinkler System per State and local authority. Approved drawings for this project are filed with the SFMO under permit # FSP 12779.

Sincerely,
Jeremy A Foss
Maine R.M.S. #808
Nicet Level III #126801

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

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 **PATRONS OXFORD INSURANCE**

DATE **6/1/17**

PROPERTY ADDRESS **97 TECHNOLOGY PARK DRIVE, PORTLAND**

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

PLANS ADDRESS **#164 State House Station Augusta, Maine 04333-0164**

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 STRUCTURE (MINUS SERVER ROOM)**

	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING
SPRINKLERS	RELIABLE	F1FR 56 PENDENT	2016	1/2"	182	155°
	RELIABLE	F1FR 56 UPRIGHT	2016	1/2"	5	155°
	RELIABLE	F1FR 56 UPRIGHT	2016	1/2"	4	200°
	RELIABLE	F1FR 56 HSW	2016	1/2"	27	155°
	RELIABLE	KFR-CCS 56	2016	1/2"	182	212°
	VICTAULIC	V3518	2017	1/2"	5	200°

PIPING & FITTINGS Type of pipe **SCHEDULE 10 / 40 STEEL**
 Type of fittings **CAST / MALLEABLE IRON**

ALARM VALVE OR FLOW INDICT. Alarm Device

Type	Make	Model	Maximum time to operate through test connection.	
VANE	System Sensor	WPD 40 N	Minutes	Seconds
				18

DRY PIPE OPERATION TEST

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

If no, explain

DELUGE & PREACTION VALVES

Operation Pneumatic Electric Hydraulic

Piping 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.

Contractor's Material and Test Certificate for Aboveground Piping

PROCEDURE

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 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 **SERVER ROOM (SINGLE INTERLOCK PRE-ACTION)**

SPRINKLERS	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING
	RELIABLE	F1FR 56 PENDENT	2016	1/2"	7	200°
RELIABLE	KFR-CCS 56	2016	1/2"	6	212°	

PIPING & FITTINGS Type of pipe **SCHEDULE 10 / 40 STEEL**
 Type of fittings **CAST / MALLEABLE 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>FPS 10-2</i>		<i>2</i>

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

If no, explain

DELUGE & PREACTION VALVES Operation Pneumatic Electric Hydraulic

Piping 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
<i>Reli-We</i>	<i>DDX</i>	<i>X</i>		<i>X</i>			<i>1</i>

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.