

# Sprinkler Systems, Inc.

2-4 Avon Street

Lewiston, ME 04240

Ph. (207) 782-0104 Fax (207) 783-4865

*Fire Protection Professionals Since 1973*

April 19, 2017

Ledgewood Construction  
27 Main Street  
South Portland, Maine 04106

Re: UNE Steven's Ave. Armory  
Portland Maine

Gentlemen:

This letter is to certify that the sprinkler system at the aforementioned location is active and is designed and installed in accordance with NFPA-13 and all other state and local codes.

If there are any questions or concerns please do not hesitate to call.

Very truly yours,  
Sprinkler Systems, Inc.

*Clayton Saucier*

Clayton Saucier  
Design Manager

# Sprinkler Systems, Inc.

## Contractor's Material & Test Certificate for Aboveground Pipe

**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 contractor. It is understood the owner's representative 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.

<b>Property Name</b> UNE Steven's Ave. Armory	<b>Job #</b> 16101	<b>Date</b> April 19, 2017
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**Property Address**  
716 Steven's Ave Portland, Maine 04101

<b>Plans</b>	Accepted by approving authorities (Names) Address Installation conforms to accepted plans Equipment used is approved, if no, explain deviations	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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<b>Instructions</b>	Has person in charge of fire equipment been instructed as to location of control valve and care and maintenance of this new equipment? If no, explain:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Have copies of the following been left on the premises? 1. System components instructions 2. Care and maintenance instructions 3. NFPA 25	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

**Location of System**  
Supplies Buildings: Attic over front stair and conference room.

	Make	Model	Year of Mfg.	Orifice Size	Quantity	Temp Rating
<b>Sprinklers</b>	Reliable	F1FR 56	2017	1/2"	4	200°F
	Reliable	F3QR	2017	1/2"	4	155°F

<b>Pipe and Fittings</b>	Type of pipe As Per N.F.P.A.-13	Type of fittings As Per N.F.P.A.-13
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<b>Alarm Valve or Flow Indicator</b> NA	<b>Alarm Device</b>			Maximum time to operate through test connection	
	Type	Make	Model	Min	Sec

<b>Dry Pipe Operating Test</b>	<b>Dry Valve</b>			<b>QOD</b>			
	Make	Model	Serial #	Make	Model	Serial #	
	Reliable	EX					
	Time to trip through test connection		Water Pressure	Air Pressure	Trip Point Air Pressure	Time Water Reached Test Outlet	Alarm Operated Properly
	With QOD	MIN SEC	PSI	PSI	PSI	MIN SEC	YES NO
		4	55	21	9	9	<input checked="" type="checkbox"/> NO
W/O QOD	MIN SEC	PSI	PSI	PSI	MIN SEC	YES NO	
						YES NO	

If no, explain:

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<b>Property Name</b> UNE Steven's Ave. Armory	<b>Job #</b> 16101	<b>Date</b> April 19, 2017
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**Property Address**  
716 Steven's Ave Portland, Maine 04101

<b>Plans</b>	Accepted by approving authorities (Names) Maine State Fire Marshals Office Address 52 State House Station Augusta, Maine 04333-0052	
	Installation conforms to accepted plans	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Equipment used is approved, if no, explain deviations	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

<b>Instructions</b>	Has person in charge of fire equipment been instructed as to location of control valve and care and maintenance of this new equipment? If no, explain:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Have copies of the following been left on the premises?	
	1. System components instructions	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	2. Care and maintenance instructions	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	3. NFPA 25	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

**Location of System**  
Supplies Buildings: UNE portion of the building, Warm area

	Make	Model	Year of Mfg.	Orifice Size	Quantity	Temp Rating
<b>Sprinklers</b>	Reliable	F1FR 56	2017	1/2"	304	155°F
	Reliable	F1FR 56	2017	1/2"	259	200°F
	Reliable	J112	2017	1/2"	4	155°F

<b>Pipe and Fittings</b>	Type of pipe As Per N.F.P.A.-13	Type of fittings As Per N.F.P.A.-13
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<b>Alarm Valve or Flow Indicator</b>	<b>Alarm Device</b>			Maximum time to operate through test connection	
	Type	Make	Model	Min	Sec
	Flow	Potter	VSR-F		30

<b>Dry Pipe Operating Test</b>	<b>Dry Valve</b>			<b>QOD</b>			
	Make	Model	Serial #	Make	Model	Serial #	
	Time to trip through test connection		Water Pressure	Air Pressure	Trip Point Air Pressure	Time Water Reached Test Outlet	Alarm Operated Properly
	With QOD	MIN    SEC	PSI	PSI	PSI	MIN    SEC	YES    NO

N/A

If no, explain:

**Client:** S.W. Cole Engineering, Inc.  
**Project:** UNE Portland Campus - Stevens Ave. Armory Renovation  
**SWCE Project #:** 16-0953  
**Date:** October 4, 2016  
**Subject:** Structural Steel Site Inspection

**Report:** 001

We visited the site on this date as requested to initiate structural steel inspections on the UNE Portland Campus Stevens Ave Armory Renovation project. Upon arrival we met with the project superintendent for Ledgewood Construction who provided us with structural and erection drawings which were used to perform our inspections. Inspected at this time was the 2<sup>nd</sup> Floor framing from line N to V between lines 3 and 9. Our actions and observations were as follows:

- Framing was inspected for overall conformance to drawings and details.
- Columns were inspected for plumb, proper bearing and properly tightened anchor rod nuts. Column base plates at P/7 and R/7 were removed in the field and welded back on in accordance to the LMC Light Iron shop details for those pieces. We performed visual inspections on these welds.
- Bolted connections were inspected. Some connections were field welded in lieu of bolting due to misalignment. Visual inspections were performed on these welds.
- Several shear plates were installed at the incorrect locations or missing altogether. New plates were field welded in the correct locations in accordance to the LMC Light Iron shop details. Visual inspections were performed on the welds.
- Welding of the HSS brace frames was visually inspected.
- Visual inspections were performed on all moment connections.
- Layout, welding and fastening of the composite deck were inspected.
- Layout and welding of the shear studs were inspected.
- Welding of the ½" pour stop around the perimeter was inspected. The pour stops adjacent to the existing CMU walls was not welded on the underside of the plate as access was difficult. The absence of these welds was acceptable per a conversation between the general contractor and the EOR at Oak Point Associates.

All inspections performed above appeared acceptable in accordance to AWS, AISC, RCSC and contract documents.

The project superintendent as well as the erector foreman was notified of our findings.

**Inspector;** Michael Bump  
CWI#07091231