Contractor's Material and Test Certificate for **A**boveground 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 contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, of failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME	DATE
East End Lofts	September 21, 2016

PROPERTY ADDRESS
273 Congress Street, Portland Maine

PLANS	ACCEPTED BY APPROVING AUTHORITIES (NAMES) State of Maine Fire Marshal's Office		
	ADDRESS Augusta, Maine		
	INSTALLATION CONFORMS TO ACCEPTED PLANS EQUIPMENT USED IS APPROVED, IF NO EXPLAIN DEVIATIONS	☒ YES ☐ NO ☒ 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
	HAVE COPIES OF THE FOLLOWING BEEN LEFT ON THE PREMISES: 1. SYSTEM COMPONENTS INSTRUCTIONS 2. CARE AND MAINTENANCE INSTRUCTIONS 3. NFPA 25	☒ YES ☐ NO ☒ YES ☐ NO ☒ YES ☐ NO ☐ YES ☒ NO

LOCATION OF SYSTEM	SUPPLIES BUILDINGS Sprinkler / Mechanical Room, 1st floor, 2nd floor, and 3rd floor

SPRINKLERS

MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING
Tyco	Pendant	2016	1/2"	19	155
Tyco	HSW	2016	1/2"	90	155
Tyco	Upright	2016	1/2"	24	155
Tyco	BB1 Attic	2016	1/2"	23	212

TYPE OF PIPE
Steel

TYPE OF FITTINGS
Steel

ALARM VALVE OR FLOW INDICATOR

ALARM DEVICE			MAXIMUM TIME TO OPERATE THROUGH TEST CONNECTION	
TYPE	MAKE	MODEL	MIN.	SEC
Flow Indicator	Potter	VSR		40

DRY PIPE OPERATING TEST

DRY VALVE			Q.O.D.		
MAKE	MODEL	SERIAL NO.	MAKE	MODEL	SERIAL NO.
Tyco	2 1/2"				

	TIME TO TRIP THROUGH TEST CONNECTION*		WATER PRESSURE	AIR PRESSURE	TRIP POINT AIR PRESSURE	TIME WATER REACHED TEST OUTLET*		ALARM OPERATED PROPERLY	
	MIN.	SEC.	PSI	PSI	PSI	MIN.	SEC.	YES	NO
Without Q.O.D.		9	90	40	12		22	☒	☐
With Q.O.D.								☐	☐

IF NO, EXPLAIN

DELUGE & PREACTION ACTION

OPERATION
☐ PNEUMATIC ☐ ELECTRIC ☐ HYDRAULIC

PIPING SUPERVISED ☒ YES ☐ NO	DETECTING MEDIA SUPERVISED ☐ YES ☐ NO

DOES VALVE OPERATE FROM THE MANUAL AND/OR REMOTE 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 TO OPERATE RELEASE	
		YES	NO	YES	NO	YES	NO
		☐	☐	☐	☐	☐	☐

*MEASURED FROM TIME INPSECTOR'S TEST CONNECTIONS IS OPENED.

	LOCATION & FLOOR	MAKE & MODEL	SETTING	STATIC PRESSURE		RESIDUAL PRESSURE (FLOWING)		FLOW RATE
PRESSURE REDUCING VALVE TEST				INLET (PSI)	OUTLET (PSI)	INLET (PSI)	OUTLET (PSI)	FLOW (GPM)

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 ½ (0.1 bars) in 24 hours. Test pressure tanks at normal water level and air pressure measure and air pressure drop, which shall not exceed 1 ½ (0.1 bars) in 24 hours.

TESTS	ALL PIPING HYDROSTATICALLY TESTED AT __200__ PSI FOR __2__ HRS. DRY PIPING PNEUMATICALLY TESTED ☐ YES ☐ NO EQUIPMENT OPERATES PROPERLY ☐ YES ☐ NO		IF NO, STATE REASON n/a
	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		
	DRAIN TEST	READING OF GAUGE LOCATED NEAR WATER SUPPLY TEST CONNECTION: __90__ PSI	RESIDUAL PRESSURE WITH VALVE IN TEST CONNECTION OPEN WIDE __75__ PSI
	UNDERGROUND MAINS AND LEAD IN CONNECTIONS TO SYSTEM RISERS FLUSHED BEFORE CONNECTION MADE TO SPRINKLER PIPING ☐ YES ☐ NO VERIFIED BY COPY OF THE U FORM NO. 85B FLUSHED BY INSTALLER OF UNDERGROUND SPRINKLER PIPING ☐ YES ☐ NO		OTHER Installed and Flushed by Others EXPLAIN
	IF POWDER DRIVEN FASTENERS ARE USED IN CONCRETE, HAS REPRESENTATIVE SAMPLE TESTING BEEN SATISFACTORILY COMPLETED? ☐ YES ☐ NO		IF NO, EXPLAIN

BLANK TESTING GASKETS	NUMBER USED n/a	LOCATIONS	NUMBER REMOVED

WELDING	WELDED PIPING ☐ YES ☒ NO	
	IF YES...	
	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
	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
	DO YOU CERTIFY THAT WELDING WAS CARRIED OUT IN COMPLIANCE WITH A DOCUMENTED QUALITY CONTROL PROCEDURE TO INSURE 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 (DISCS) ARE RETRIEVED?	CUTOUTS	☐ YES ☒ NO

HYDRAULIC DATA NAMEPLATE	NAMEPLATE PROVIDED ☒ YES ☐ NO	IF NO, EXPLAIN

REMARKS	DATE LEFT IN SERVICE WITH ALL CONTROL VALVES OPEN: September 12, 2016

	NAME OF SPRINKLER CONTRACTOR Freedom Fire Protection, Inc.		
	TESTS WITNESSED BY		
	FOR PROPERTY OWNER (SIGNED) Tom Landry	TITLE Project Manager	DATE 9/21/2016
	FOR SPRINKLER CONTRACTOR (SIGNED)	TITLE Project Manager	DATE 9/21/2016

ADDITIONAL EXPLANATION AND NOTES

\