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 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
Rick Holden Residence	September 26, 2012

PROPERTY ADDRESS: 20 Ball Park Ln.

PLANS

ACCEPTED BY APPROVING AUTHORITIES (NAMES): State of Maine Fire Marshal's Office

ADDRESS: Augusta, Maine

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
HAVE COPIES OF THE FOLLOWING BEEN LEFT ON THE PREMISES:	☒ YES	☐ NO
1. SYSTEM COMPONENTS INSTRUCTIONS	☒ YES	☐ NO
2. CARE AND MAINTENANCE INSTRUCTIONS	☒ YES	☐ NO
3. NFPA 25	☒ YES	☐ NO

LOCATION OF SYSTEM

SUPPLIES BUILDINGS: Basement

SPRINKLERS

MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING
Tyco	Pendant	2012	1/2"	25	155
Tyco	HSW	2012	1/2"	12	155

TYPE OF PIPE: Mixture of BlazeMaster CPVC and Steel

TYPE OF FITTINGS: Mixture of BlazeMaster CPVC and Steel

ALARM VALVE OR FLOW INDICATOR

ALARM DEVICE			MAXIMUM TIME TO OPERATE THROUGH TEST CONNECTION	
TYPE	MAKE	MODEL	MIN.	SEC
Flow Indicator	Potter	VSR		12

DRY PIPE OPERATING TEST

DRY VALVE			Q.O.D.		
MAKE	MODEL	SERIAL NO.	MAKE	MODEL	SERIAL NO.

	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.								☐	☐
With Q.O.D.								☐	☐

IF NO, EXPLAIN

DELUGE & PREACTION ACTION

OPERATION: ☐ PNEUMATIC ☐ ELECTRIC ☐ HYDRAULIC

PIPING SUPERVISED	DETECTING MEDIA SUPERVISED
☐ YES ☐ NO	☐ 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.

PRESSURE REDUCING VALVE TEST	LOCATION & FLOOR	MAKE & MODEL	SETTING	STATIC PRESSURE		RESIDUAL PRESSURE (FLOWING)		FLOW RATE
				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: 60 PSI

RESIDUAL PRESSURE WITH VALVE IN TEST CONNECTION OPEN WIDE: 37 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 CUTOUTS (DISCS) ARE RETRIEVED? ☐ YES ☐ NO

HYDRAULIC DATA NAMEPLATE

NAMEPLATE PROVIDED ☒ YES ☐ NO

IF NO, EXPLAIN:

REMARKS

DATE LEFT IN SERVICE WITH ALL CONTROL VALVES OPEN: September 25, 2012

NAME OF SPRINKLER CONTRACTOR: Freedom Fire Protection, Inc.

TESTS WITNESSED BY

FOR PROPERTY OWNER (SIGNED)	TITLE	DATE
Rick Holden	Owner	9/26/2012

FOR SPRINKLER CONTRACTOR (SIGNED)	TITLE	DATE
Digitally signed by Mark Radziszewski DN: cn=Mark Radziszewski, o=Freedom Fire Protection, ou, email=markrad@maine.rr.com, c=US Date: 2012.09.27 08:18:26 -04'00'	Project Manager	9/26/2012

ADDITIONAL EXPLANATION AND NOTES

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