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# **EASTERN FIRE**

FIRE PROTECTION CONTRACTORS AND ENGINEERS

[www.easternfiregroup.com](http://www.easternfiregroup.com)

Satellite Office  
408 Harlow St.  
Bangor, ME 04401  
207-942-8014

October 24, 2017

Mr. Derek Albert

Landry-French Construction  
260 Pleasant Hill Road  
Scarborough, ME 04074


**RE: Luminato Condominium – 169 Newbury Street, Portland, ME 04101  
NFPA 13 Fire Sprinkler System – (1) Wet & (1) Dry**

## **COMPLIANCE & WARRANTY LETTER**

This letter certifies that the new wet sprinkler system and new dry sprinkler system installed throughout the building located at 169 Newbury Street, Portland, ME has been completed and is in compliance with NFPA 13, State and Local fire codes.

Eastern Fire warrants that the wet and dry sprinkler systems are free from defects, and materials and workmanship for a period of one year beginning on **October 25, 2017**.

Signed: \_\_\_\_\_

  
Paul A. Tardif, VP / Division Manager

Dated: \_\_\_\_\_

24 OCT 17

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Section header or title in the lower middle part.

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# CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR ABOVEGROUND PIPING

5568

## 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, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME: LUMINATO CONDOMINIUMS DATE: 1/9/17  
 PROPERTY ADDRESS: 167 NEWBURY ST. PORTLAND, ME

PLANS  
 ACCEPTED BY APPROVING AUTHORITY(S) NAME(S): MAINE STATE FIRE MARSHAL  
 ADDRESS: AUGUSTA, ME  
 INSTALLATION CONFORMS TO ACCEPTED PLANS  YES  NO  
 EQUIPMENT USED IS APPROVED  YES  NO  
 IF NO, EXPLAIN DEVIATIONS

INSTRUCTIONS  
 HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT  YES  NO  
 IF NO, EXPLAIN  
 HAVE COPIES OF APPROPRIATE INSTRUCTIONS AND CARE AND MAINTENANCE CHARTS AND NFPA 13A BEEN LEFT ON PREMISES  YES  NO  
 IF NO, EXPLAIN

LOCATION OF SYSTEM: SUPPLIES BLDGS. BASEMENT / 1ST FLOOR

SPRINKLERS	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING
	RELIABLE FFR56	UPRIGHT	2016	1/2"	66	200°
	RELIABLE F308	DRY PEND	2017	1/2"	74	200°
	RELIABLE FFR56	HRZ SIDEWALL	2016	1 7/8"	2	200°
	RELIABLE FFR56	HRZ SIDEWALL	2016	1/2"	2	200°

PIPE AND FITTINGS  
 PIPE CONFORMS TO NFPA 13 STANDARD  YES  NO  
 FITTINGS CONFORM TO NFPA 13 STANDARD  YES  NO  
 IF NO, EXPLAIN

ALARM VALVE OR FLOW INDICATOR	ALARM DEVICE			MAXIMUM TIME TO OPERATE THROUGH TEST PIPE	
	TYPE	MAKE	MODEL	MIN.	SEC.
	<del>                    </del>	<del>                    </del>	<del>                    </del>	<del>                    </del>	<del>                    </del>

DRY PIPE OPERATING TEST	DRY VALVE			Q.O.D.		
	MAKE	MODEL	SERIAL NO.	MAKE	MODEL	SERIAL NO.
	<u>TYCO</u>	<u>DPV-1</u>	<u>                    </u>	<del>                    </del>	<del>                    </del>	<del>                    </del>

	TIME TO TRIP THRU TEST PIPE		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.		<u>38</u>	<u>82</u>	<u>38</u>	<u>18</u>		<u>60</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
With Q.O.D.									

IF NO, EXPLAIN

DELUGE & PREACTION VALVES	OPERATION <input type="checkbox"/> PNEUMATIC <input type="checkbox"/> ELECTRIC <input type="checkbox"/> HYDRAULIC					
	PIPING SUPERVISED <input type="checkbox"/> YES <input type="checkbox"/> NO		DETECTING MEDIA SUPERVISED <input type="checkbox"/> YES <input type="checkbox"/> NO			
	OO'S VALVE OPERATE FROM THE MANUAL TRIP AND/OR REMOTE CONTROL STATIONS <input type="checkbox"/> YES <input type="checkbox"/> NO					
	IS THERE AN ACCESSIBLE FACILITY IN EACH CIRCUIT FOR TESTING <input type="checkbox"/> YES <input type="checkbox"/> 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	
TEST DESCRIPTION	<p><b>HYDROSTATIC:</b> 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.</p> <p><b>FLUSHING:</b> Flow the required rate until water is clear as indicated by no collection of foreign material in burlap bags at outlets such as hydrants and blow-offs. Flush at flows not less than 400 GPM (1514 L/min) for 4 inch pipe, 600 GPM (2271 L/min) for 5-inch pipe, 750 GPM (2839 L/min) for 6-inch pipe, 1000 GPM (3785 L/min) for 8-inch pipe, 1500 GPM (5678 L/min) for 10-inch pipe and 2000 GPM (7570 L/min) for 12 inch pipe. When supply cannot produce stipulated flow rates, obtain maximum available.</p> <p><b>PNEUMATIC:</b> Establish 40 psi (2.7 bars) air pressure and measure drop which shall not exceed 1-1/2 psi (0.1 bars) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop which shall not exceed 1 1/2 psi (0.1 bars) in 24 hours.</p>					
TESTS	ALL PIPING HYDROSTATICALLY TESTED AT <u>200</u> PSI FOR <u>2</u> HRS. IF NO, STATE REASON					
	DRY PIPING PNEUMATICALLY TESTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
	EQUIPMENT OPERATES PROPERLY <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
DRAIN TEST	READING OF GAGE LOCATED NEAR WATER SUPPLY TEST PIPE: STATIC PRESSURE: <u>82</u> PSI		RESIDUAL PRESSURE WITH VALVE IN TEST PIPE OPEN WIDE <u>68</u> PSI <u>2"</u>			
Underground mains and lead in connections to system risers flushed before connection made to sprinkler piping.						
VERIFIED BY COPY OF THE U FORM NO. 8511 <input type="checkbox"/> YES <input type="checkbox"/> NO			OTHER EXPLAIN <u>underground was installed, tested &amp; flushed by others.</u>			
FLUSHED BY INSTALLER OF UNDERGROUND SPRINKLER PIPING <input type="checkbox"/> YES <input type="checkbox"/> NO						
BLANK TESTING GASKETS	NUMBER USED	LOCATIONS			NUMBER REMOVED	
WELDING	WELDED PIPING <input checked="" type="checkbox"/> YES <input type="checkbox"/> 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 <input checked="" type="checkbox"/> YES <input type="checkbox"/> 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 <input checked="" type="checkbox"/> YES <input type="checkbox"/> 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 <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO						
HYDRAULIC DATA NAMEPLATE	NAMEPLATE PROVIDED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		IF NO, EXPLAIN			
REMARKS	DATE LEFT IN SERVICE WITH ALL CONTROL VALVES OPEN: <u>10/25/17</u>					
SIGNATURES	NAME OF SPRINKLER CONTRACTOR <u>EASTERN FIRE PROTECTION</u>					
	FOR PROPERTY OWNER (SIGNED)		TESTS WITNESSED BY		DATE	
	<u>[Signature]</u>		<u>PM L/F</u>		<u>10-24-17</u>	
FOR SPRINKLER CONTRACTOR (SIGNED)		TITLE		DATE		
<u>[Signature]</u>		<u>Foreman</u>		<u>10/24/17</u>		

ADDITIONAL EXPLANATION AND NOTES

INSPECTION MATERIAL & TEST CERTIFICATE FOR ABOVEGROUND PIPING

5537

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, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME: LUMINATO CONDOMINIUMS DATE: 10/24/17  
 PROPERTY ADDRESS: 167 NEWBURY ST., PORTLAND, ME.

PLANS  
 ACCEPTED BY APPROVING AUTHORITY(S) NAMES: MAINE STATE FIRE MARSHAL  
 ADDRESS: AUGUSTA, ME.  
 INSTALLATION CONFORMS TO ACCEPTED PLANS  YES  NO  
 EQUIPMENT USED IS APPROVED  YES  NO  
 IF NO, EXPLAIN DEVIATIONS

INSTRUCTIONS  
 HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT  YES  NO  
 IF NO, EXPLAIN  
 HAVE COPIES OF APPROPRIATE INSTRUCTIONS AND CARE AND MAINTENANCE CHARTS AND NFPA 13A BEING LEFT ON PREMISES  YES  NO  
 IF NO, EXPLAIN

LOCATION OF SYSTEM  
 SUPPLIES BLOCS: 2ND FLOOR

SPRINKLERS	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING
	RELIABLE FIFR56	Pendant	2017	1/2"	83	200°
	RELIABLE KFRCCS	UPRIGHT	↓	1/2"	49	212°
	RELIABLE FIFR56	UPRIGHT	↓	1/2"	10	200°
	RELIABLE FIFR ORG	H-S.W.	↓	1/32"	2	175°

PIPE AND FITTINGS  
 PIPE CONFORMS TO NFPA 13 STANDARD  YES  NO  
 FITTINGS CONFORM TO NFPA 13 STANDARD  YES  NO  
 IF NO, EXPLAIN

ALARM VALVE OR FLOW INDICATOR	ALARM DEVICE			MAXIMUM TIME TO OPERATE THROUGH TEST PIPE	
	TYPE	MAKE	MODEL	MIN.	SEC.
	<u>Flow Switch</u>	<u>VIC</u>	<u>7A7</u>	<u>-</u>	<u>24</u>

DRY PIPE OPERATING TEST	DRY VALVE			Q.O.D.			ALARM OPERATED PROPERLY		
	MAKE	MODEL	SERIAL NO.	MAKE	MODEL	SERIAL NO.	YES	NO	
	TIME TO TRIP THRU TEST PIPE		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 VALVES**

OPERATION  PNEUMATIC  ELECTRIC  HYDRAULIC

PIPING SUPERVISED  YES  NO DETECTING MEDIA SUPERVISED  YES  NO

DOES VALVE OPERATE FROM THE MANUAL TRIP AND/OR REMOTE 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 TO OPERATE RELEASE	
		YES	NO	YES	NO	MIN.	SEC.

**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.

**FLUSHING:** Flow the required rate until water is clear as indicated by no collection of foreign material in burlap bags at outlets such as hydrants and blow-offs. Flush at flows not less than 400 GPM (1514 L/min) for 4-inch pipe, 600 GPM (2271 L/min) for 5-inch pipe, 750 GPM (2839 L/min) for 6-inch pipe, 1000 GPM (3785 L/min) for 8-inch pipe, 1500 GPM (5678 L/min) for 10-inch pipe and 2000 GPM (7570 L/min) for 12-inch pipe. When supply cannot produce stipulated flow rates, obtain maximum available.

**PNEUMATIC:** Establish 40 psi (2.7 bars) air pressure and measure drop which shall not exceed 1-1/2 psi (0.1 bars) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop which shall not exceed 1-1/2 psi (0.1 bars) in 24 hours.

**TESTS**

ALL PIPING HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HRS. IF NO, STATE REASON

DRY PIPING PNEUMATICALLY TESTED  YES  NO

EQUIPMENT OPERATES PROPERLY  YES  NO

**TESTS**

DRAIN TEST	READING OF GAGE LOCATED NEAR WATER SUPPLY TEST PIPE: STATIC PRESSURE: <u>80</u> PSI	RESIDUAL PRESSURE WITH VALVE IN TEST PIPE OPEN WIDE <u>70</u> PSI <u>1 1/4"</u>
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Underground mains and lead in connections to system risers flushed before connection made to sprinkler piping.

VERIFIED BY COPY OF THE U FORM NO. 85B  YES  NO OTHER EXPLAIN: All underground was installed, tested & flushed by others

FLUSHED BY INSTALLER OF UNDERGROUND SPRINKLER PIPING  YES  NO

**BLANK TESTING GASKETS**

NUMBER USED	LOCATIONS	NUMBER REMOVED
<u>1</u>		

**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

**HYDRAULIC DATA NAMEPLATE**

NAMEPLATE PROVIDED  YES  NO IF NO, EXPLAIN

**REMARKS**

10/25/17

**SIGNATURES**

NAME OF SPRINKLER CONTRACTOR: EASTERN FIRE PROTECTION

TESTS WITNESSED BY

FOR PROPERTY OWNER (SIGNED): <u>[Signature]</u>	TITLE: <u>PJM C/F</u>	DATE: <u>10-24-17</u>
FOR SPRINKLER CONTRACTOR (SIGNED): <u>[Signature]</u>	TITLE: <u>Foreman</u>	DATE: <u>10/24/17</u>

ADDITIONAL EXPLANATION AND NOTES

**SPRINKLERS**

MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING

**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, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME

LUMINATO CONDOMINIUMS

DATE

10/24/17

PROPERTY ADDRESS

167 NEWBURY ST., PORTLAND, ME.

PLANS

ACCEPTED BY APPROVING AUTHORITY(S) NAMES

MAINE STATE FIRE MARSHAL

ADDRESS

AUGUSTA, ME.

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 APPROPRIATE INSTRUCTIONS AND CARE AND MAINTENANCE CHARTS AND NFPA 13A BEEN LEFT ON PREMISES IF NO, EXPLAIN

YES  NO

LOCATION OF SYSTEM

SUPPLIES BLDGS

3rd FLOOR

SPRINKLERS

MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING
RELIABLE FIFR 50	PENDENT	2017	1/2"	83	200°
RELIABLE KFR CCS	UPRIGHT	↓	1/2"	49	212°
RELIABLE FIFR 50	UPRIGHT	↓	1/2"	10	200°
RELIABLE FIFR QRE	H.S.W.	↓	1 1/32"	2	175°

PIPE AND FITTINGS

PIPE CONFORMS TO NFPA 13 STANDARD  
FITTINGS CONFORM TO NFPA 13 STANDARD  
IF NO, EXPLAIN

YES  NO

YES  NO

ALARM VALVE OR FLOW INDICATOR

ALARM DEVICE

MAXIMUM TIME TO OPERATE THROUGH TEST PIPE

TYPE	MAKE	MODEL	MIN.	SEC.
FLOW SWITCH	VIC	7A7	-	25

DRY PIPE OPERATING TEST

	DRY VALVE			Q.O.D.			ALARM OPERATED PROPERLY	
	MAKE	MODEL	SERIAL NO.	MAKE	MODEL	SERIAL NO.	YES	NO
Without Q.O.D.	TIME TO TRIP THRU TEST PIPE		WATER PRESSURE	AIR PRESSURE	TRIP POINT AIR PRESSURE	TIME WATER REACHED TEST OUTLET		
	MIN.	SEC.	PSI	PSI	PSI	MIN. SEC.		
With Q.O.D.								

IF NO, EXPLAIN

DELUGE & PREACTION VALVES	OPERATION <input type="checkbox"/> PNEUMATIC <input type="checkbox"/> ELECTRIC <input type="checkbox"/> HYDRAULIC					
	PIPING SUPERVISED <input type="checkbox"/> YES <input type="checkbox"/> NO		DETECTING MEDIA SUPERVISED <input type="checkbox"/> YES <input type="checkbox"/> NO			
	DOES VALVE OPERATE FROM THE MANUAL TRIP AND/OR REMOTE CONTROL STATIONS <input type="checkbox"/> YES <input type="checkbox"/> NO					
	IS THERE AN ACCESSIBLE FACILITY IN EACH CIRCUIT FOR TESTING <input type="checkbox"/> YES <input type="checkbox"/> NO IF NO, EXPLAIN					
	MAKE	MODEL	DOES EACH CIRCUIT OPERATE SUPERVISION LOSS ALARM		DOES EACH CIRCUIT OPERATE VALVE RELEASE	
			YES	NO	YES	NO
					MIN.	SEC.

**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.  
**FLUSHING:** Flush at flows not less than 400 GPM (1514 L/min) for 4 inch pipe, 600 GPM (2271 L/min) for 5 inch pipe, 750 GPM (2839 L/min) for 6-inch pipe, 1000 GPM (3785 L/min) for 8 inch pipe, 1500 GPM (5678 L/min) for 10 inch pipe and 2000 GPM (7570 L/min) for 12-inch pipe. When supply cannot produce stipulated flow rates, obtain maximum available.  
**PNEUMATIC:** Establish 40 psi (2.7 bars) air pressure and measure drop which shall not exceed 1-1/2 psi (0.1 bars) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop which shall not exceed 1 1/2 psi (0.1 bars) in 24 hours.

**TESTS**  
 ALL PIPING HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HRS. IF NO, STATE REASON  
 DRY PIPING PNEUMATICALLY TESTED  YES  NO  
 EQUIPMENT OPERATES PROPERLY  YES  NO

**TESTS**  
 DRAIN TEST: READING OF GAGE LOCATED NEAR WATER SUPPLY TEST PIPE: RESIDUAL PRESSURE WITH VALVE IN TEST PIPE OPEN WIDE  
 STATIC PRESSURE: 76 PSI 68 PSI

Underground mains and lead in connections to system risers flushed before connection made to sprinkler piping.  
 VERIFIED BY COPY OF THE U FORM NO. 859  YES  NO  
 FLUSHED BY INSTALLER OF UNDER GROUND SPRINKLER PIPING  YES  NO  
 OTHER EXPLAIN: All underground was installed, tested & flushed by others

**BLANK TESTING GASKETS**  
 NUMBER USED: 1 LOCATIONS: 1/4 NUMBER REMOVED: 0

WELDED PIPING  YES  NO  
 IF YES ...

**WELDING**  
 DO YOU CERTIFY AS THE SPRINKLER CONTRACTOR THAT WELDING PROCEDURES COMPLY WITH THE REQUIREMENTS OF AT LEAST AWS D10.9, LEVEL AR-J  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-J  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

**HYDRAULIC DATA NAMEPLATE**  
 NAMEPLATE PROVIDED  YES  NO IF NO, EXPLAIN

**REMARKS**  
 DATE LEFT IN SERVICE WITH ALL CONTROL VALVES OPEN: 10/23/17

NAME OF SPRINKLER CONTRACTOR: EASTERN FIRE PROTECTION

**SIGNATURES**  
 FOR PROPERTY OWNER (SIGNED): [Signature] TITLE: PM DATE: 10-24-17  
 FOR SPRINKLER CONTRACTOR (SIGNED): [Signature] TITLE: Foreman DATE: 10/24/17

ADDITIONAL EXPLANATION AND NOTES: [Signature]

SPRINKLERS	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING



**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, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME: LUMINATO CONDOMINIUMS DATE: 10/24/17

PROPERTY ADDRESS: 167 NEWBURY ST., PORTLAND, ME.

PLANS  
 ACCEPTED BY APPROVING AUTHORITY(S) NAMES: MAINE STATE FIRE MARSHAL  
 ADDRESS: AUGUSTA, ME.  
 INSTALLATION CONFORMS TO ACCEPTED PLANS  YES  NO  
 EQUIPMENT USED IS APPROVED  YES  NO  
 IF NO, EXPLAIN DEVIATIONS

INSTRUCTIONS  
 HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT  YES  NO  
 IF NO, EXPLAIN  
 HAVE COPIES OF APPROPRIATE INSTRUCTIONS AND CARE AND MAINTENANCE CHARTS AND NFPA 13A BEEN LEFT ON PREMISES  YES  NO  
 IF NO, EXPLAIN

LOCATION OF SYSTEM: SUPPLIES IN: 4TH FLOOR

SPRINKLERS	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING
	RELIABLE FIFR 56	PENDENT	2017	1/2"	80	200°
	RELIABLE KFR CCS	UPRIGHT		1/2"	42	212°
	RELIABLE FIFR 56	UPRIGHT		1/2"	9	200°
	RELIABLE FIFR QREB	H.S.W.		1/32"	2	175°

PIPE AND FITTINGS  
 PIPE CONFORMS TO NFPA 13 STANDARD  YES  NO  
 FITTINGS CONFORM TO NFPA 13 STANDARD  YES  NO  
 IF NO, EXPLAIN

ALARM VALVE OR FLOW INDICATOR	ALARM DEVICE			MAXIMUM TIME TO OPERATE THROUGH TEST PIPE	
	TYPE	MAKE	MODEL	MIN.	SEC.
	<u>FLOW SWITCH</u>	<u>VIC 7A7</u>		<u>-</u>	<u>27</u>

DRY PIPE OPERATING TEST	DRY VALVE			Q.O.D.			ALARM OPERATED PROPERLY		
	MAKE	MODEL	SERIAL NO.	MAKE	MODEL	SERIAL NO.	YES	NO	
	TIME TO TRIP THRU TEST PIPE		WATER PRESSURE	AIR PRESSURE	TRIP POINT AIR PRESSURE	TIME WATER REACHED TEST OUTLET			
	MIN.	SEC.	PSI	PSI	PSI	MIN.	SEC.	YES	NO
Without Q.O.D.									
With Q.O.D.									
IF NO, EXPLAIN									

**DELUGE & PREACTION VALVES**

OPERATION  PNEUMATIC  ELECTRIC  HYDRAULIC

PIPING SUPERVISED  YES  NO DETECTING MEDIA SUPERVISED  YES  NO

DOES VALVE OPERATE FROM THE MANUAL TRIP AND/OR REMOTE 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 TO OPERATE RELEASE	
		YES	NO	YES	NO	MIN.	SEC.

**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.

**FLUSHING:** Flow the required rate until water is clear as indicated by no collection of foreign material in burlap bags at outlets such as hydrants and blow-offs. Flush at flows not less than 400 GPM (1514 L/min) for 4-inch pipe, 600 GPM (2271 L/min) for 5-inch pipe, 750 GPM (2839 L/min) for 6-inch pipe, 1000 GPM (3785 L/min) for 8-inch pipe, 1500 GPM (5678 L/min) for 10-inch pipe and 2000 GPM (7570 L/min) for 12-inch pipe. When supply cannot produce stipulated flow rates, obtain maximum available.

**PNEUMATIC:** Establish 40 psi (2.7 bars) air pressure and measure drop which shall not exceed 1-1/2 psi (0.1 bars) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop which shall not exceed 1-1/2 psi (0.1 bars) in 24 hours.

**TESTS**

ALL PIPING HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HRS. IF NO, STATE REASON

DRY PIPING PNEUMATICALLY TESTED  YES  NO

EQUIPMENT OPERATES PROPERLY  YES  NO

**TESTS**

DRAIN TEST	READING OF GAGE LOCATED NEAR WATER SUPPLY TEST PIPE	RESIDUAL PRESSURE WITH VALVE IN TEST PIPE OPEN W/O
	STATIC PRESSURE: <u>75</u> PSI	<u>66</u> PSI <u>1 1/4</u>

Underground mains and lead in connections to system risers flushed before connection made to sprinkler piping.

VERIFIED BY COPY OF THE U FORM NO. 858  YES  NO OTHER EXPLAIN

FLUSHED BY INSTALLER OF UNDERGROUND SPRINKLER PIPING  YES  NO All underground was installed, tested & flushed by others

**BLANK TESTING GASKETS**

NUMBER USED	LOCATIONS	NUMBER REMOVED
<u>1</u>		

**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

**HYDRAULIC DATA NAMEPLATE**

NAMEPLATE PROVIDED  YES  NO IF NO, EXPLAIN

**REMARKS**

DATE LEFT IN SERVICE WITH ALL CONTROL VALVES OPEN 10/25/17

**SIGNATURES**

NAME OF SPRINKLER CONTRACTOR EASTERN FIRE PROTECTION

TESTS WITNESSED BY

FOR PROPERTY OWNER (SIGNATURE)	TITLE	DATE
<u>[Signature]</u>	<u>PM LIF</u>	<u>10-24-17</u>
FOR SPRINKLER CONTRACTOR (SIGNATURE)	TITLE	DATE
<u>[Signature]</u>	<u>Tolson</u>	<u>10/24/17</u>

ADDITIONAL EXPLANATION AND NOTES

**SPRINKLERS**

MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING

**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, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME: LUMINATO CONDOMINIUMS DATE: 10/24/17  
 PROPERTY ADDRESS: 167 NEWBURY ST., PORTLAND, ME.

PLANS  
 ACCEPTED BY APPROVING AUTHORITY(S) NAMES: MAINE STATE FIRE MARSHAL  
 ADDRESS: AUGUSTA, ME.  
 INSTALLATION CONFORMS TO ACCEPTED PLANS  YES  NO  
 EQUIPMENT USED IS APPROVED  YES  NO  
 IF NO, EXPLAIN DEVIATIONS

INSTRUCTIONS  
 HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT  YES  NO  
 IF NO, EXPLAIN  
 HAVE COPIES OF APPROPRIATE INSTRUCTIONS AND CARE AND MAINTENANCE CHARTS AND NFPA 13A BEEN LEFT ON PREMISES  YES  NO  
 IF NO, EXPLAIN

LOCATION OF SYSTEM: SUPPLIES BLDGS 5TH FLOOR

SPRINKLERS	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING
	RELIABLE FIFR56	PENDENT	2017	1/2"	78	200°
	RELIABLE KFRCS	UPRIGHT		1/2"	46	212°
	RELIABLE FIFR56	UPRIGHT		1/2"	9	200°
	RELIABLE FIFR ORG	H-S.W.		1/32"	2	175°
	VICTROLIC VICEFUSH	VSI PEND	2017	1/2"	1	200°

PIPE AND FITTINGS  
 PIPE CONFORMS TO NFPA 13 STANDARD  YES  NO  
 FITTINGS CONFORM TO NFPA 13 STANDARD  YES  NO  
 IF NO, EXPLAIN

ALARM VALVE OR FLOW INDICATOR	ALARM DEVICE			MAXIMUM TIME TO OPERATE THROUGH TEST PIPE	
	TYPE	MAKE	MODEL	MIN.	SEC.
	<u>FLOW SWITCH</u>	<u>VIC</u>	<u>7A7</u>	<u>-</u>	<u>28</u>

DRY PIPE OPERATING TEST	DRY VALVE			O.O.D.			ALARM OPERATED PROPERLY		
	MAKE	MODEL	SERIAL NO.	MAKE	MODEL	SERIAL NO.	YES	NO	
	TIME TO TRIP THRU TEST PIPE		WATER PRESSURE	AIR PRESSURE	TRIP POINT AIR PRESSURE	TIME WATER REACHED TEST OUTLET			
	MIN.	SEC.	PSI	PSI	PSI	MIN.	SEC.	YES	NO
Without O.O.D.									
With O.O.D.									
IF NO, EXPLAIN									

OPERATION  PNEUMATIC  ELECTRIC  HYDRAULIC

PIPING SUPERVISED  YES  NO DETECTING MEDIA SUPERVISED  YES  NO

DOES VALVE OPERATE FROM THE MANUAL TRIP AND/OR REMOTE 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 TO OPERATE RELEASE	
		YES	NO	YES	NO	MIN.	SEC.

**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.

**FLUSHING:** Flow the required rate until water is clear as indicated by no collection of foreign material in burlap bags at outlets such as hydrants and blow offs. Flush at flows not less than 400 GPM (1514 L/min) for 4-inch pipe, 600 GPM (2271 L/min) for 5-inch pipe, 750 GPM (2839 L/min) for 6-inch pipe, 1000 GPM (3785 L/min) for 8-inch pipe, 1500 GPM (5678 L/min) for 10-inch pipe and 2000 GPM (7570 L/min) for 12-inch pipe. When supply cannot produce stipulated flow rates, obtain maximum available.

**PNEUMATIC:** Establish 40 psi (2.7 bars) air pressure and measure drop which shall not exceed 1 1/2 psi (0.1 bars) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop which shall not exceed 1 1/2 psi (0.1 bars) in 24 hours.

ALL PIPING HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HRS. IF NO, STATE REASON

DRY PIPING PNEUMATICALLY TESTED  YES  NO

EQUIPMENT OPERATES PROPERLY  YES  NO

**TESTS**

DRAIN TEST READING OF GAGE LOCATED NEAR WATER SUPPLY TEST PIPE: STATIC PRESSURE: 72 PSI

RESIDUAL PRESSURE WITH VALVE IN TEST PIPE OPEN WIDE: 65 PSI 1 1/4"

Underground mains and lead in connections to system risers flushed before connection made to sprinkler piping.

VERIFIED BY COPY OF THE U FORM NO. 85B  YES  NO OTHER EXPLAIN

FLUSHED BY INSTALLER OF UNDERGROUND SPRINKLER PIPING  YES  NO All underground was installed, tested & flushed by others

**BLANK TESTING GASKETS**

NUMBER USED	LOCATIONS	NUMBER REMOVED
<u>1</u>		

**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

**HYDRAULIC DATA NAMEPLATE**

NAMEPLATE PROVIDED  YES  NO IF NO, EXPLAIN

**REMARKS**

10/25/17

NAME OF SPRINKLER CONTRACTOR: EASTERN FIRE PROTECTION

TESTS WITNESSED BY

FOR PROPERTY OWNER (SIGNATURE)	TITLE	DATE
<u>[Signature]</u>	<u>PM</u> <u>4/F</u>	<u>10-24-17</u>
FOR SPRINKLER CONTRACTOR (SIGNATURE)	TITLE	DATE
<u>[Signature]</u>	<u>Foreman</u>	<u>10/24/17</u>

ADDITIONAL EXPLANATION AND NOTES

**SPRINKLERS**

MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING

**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, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME: LUMINATO CONDOMINIUMS DATE: 10/24/17  
 PROPERTY ADDRESS: 167 NEWBURY ST., PORTLAND, ME.

PLANS  
 ACCEPTED BY APPROVING AUTHORITY(S) NAMES: MAINE STATE FIRE MARSHAL  
 ADDRESS: AUGUSTA, ME.  
 INSTALLATION CONFORMS TO ACCEPTED PLANS  YES  NO  
 EQUIPMENT USED IS APPROVED  YES  NO  
 IF NO, EXPLAIN DEVIATIONS

INSTRUCTIONS  
 HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT  YES  NO  
 IF NO, EXPLAIN  
 HAVE COPIES OF APPROPRIATE INSTRUCTIONS AND CARE AND MAINTENANCE CHARTS AND NFPA 13A BEEN LEFT ON PREMISES  YES  NO  
 IF NO, EXPLAIN

LOCATION OF SYSTEM: SUPPLIES BLDGS. 6TH FLOOR / ROOF TERRACE

SPRINKLERS	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING
	RELIABLE FIFR 56	PENDENT	2017	1/2"	40	200°
	RELIABLE KFR CCS	UPRIGHT		1/2"	18	212°
	RELIABLE FIFR 56	PENDENT (6002)		1/2"	2	200°
	RELIABLE FIFR AREA	H-S.W.		1/32"	2	175°

PIPE AND FITTINGS  
 PIPE CONFORMS TO NFPA 13 STANDARD  YES  NO  
 FITTINGS CONFORM TO NFPA 13 STANDARD  YES  NO  
 IF NO, EXPLAIN

ALARM VALVE OR FLOW INDICATOR	ALARM DEVICE			MAXIMUM TIME TO OPERATE THROUGH TEST PIPE	
	TYPE	MAKE	MODEL	MIN.	SEC.
	<u>FLOW SWITCH</u>	<u>VIC</u>	<u>7A-7</u>	<u>-</u>	<u>28</u>

DRY PIPE OPERATING TEST	DRY VALVE			Q.O.D.			ALARM OPERATED PROPERLY		
	MAKE	MODEL	SERIAL NO.	MAKE	MODEL	SERIAL NO.	YES	NO	
	TIME TO TRIP THRU TEST PIPE		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 VALVES	OPERATION		<input type="checkbox"/> PNEUMATIC	<input type="checkbox"/> ELECTRIC	<input type="checkbox"/> HYDRAULIC	
	PIPING SUPERVISED		<input type="checkbox"/> YES	<input type="checkbox"/> NO	DETECTING MEDIA SUPERVISED <input type="checkbox"/> YES <input type="checkbox"/> NO	
	DOES VALVE OPERATE FROM THE MANUAL TRIP AND/OR REMOTE CONTROL STATIONS		<input type="checkbox"/> YES <input type="checkbox"/> NO			
	IS THERE AN ACCESSIBLE FACILITY IN EACH CIRCUIT FOR TESTING		<input type="checkbox"/> YES <input type="checkbox"/> NO			
	IF NO, EXPLAIN					

TEST DESCRIPTION	MAKE	MODEL	DOES EACH CIRCUIT OPERATE SUPERVISION LOSS ALARM	DOES EACH CIRCUIT OPERATE VALVE RELEASE	MAXIMUM TIME TO OPERATE RELEASE	
			YES	NO	YES	NO

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.

FLUSHING: Flow the required rate until water is clear as indicated by no collection of foreign material in hurlap bags at outlets such as hydrants and blow-offs. Flush at flows not less than 400 GPM (1514 L/min) for 4-inch pipe, 600 GPM (2271 L/min) for 5-inch pipe, 750 GPM (2839 L/min) for 6-inch pipe, 1000 GPM (3785 L/min) for 8-inch pipe, 1500 GPM (5678 L/min) for 10-inch pipe and 2000 GPM (7570 L/min) for 12 inch pipe. When supply cannot produce stipulated flow rates, obtain maximum available.

PNEUMATIC: Establish 40 psi (2.7 bars) air pressure and measure drop which shall not exceed 1-1/2 psi (0.1 bars) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop which shall not exceed 1-1/2 psi (0.1 bars) in 24 hours.

ALL PIPING HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HRS. IF NO, STATE REASON

DRY PIPING PNEUMATICALLY TESTED  YES  NO

EQUIPMENT OPERATES PROPERLY  YES  NO

TESTS

DRAIN TEST	READING OF GAGE LOCATED NEAR WATER SUPPLY TEST PIPE: STATIC PRESSURE: <u>55</u> PSI	RESIDUAL PRESSURE WITH VALVE IN TEST PIPE OPEN WIDE: <u>48</u> PSI <u>1 1/4</u>
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Underground mains and lead in connections to system risers flushed before connection made to sprinkler piping.

VERIFIED BY COPY OF THE U FORM NO. 85B  YES  NO

FLUSHED BY INSTALLER OF UNDERGROUND SPRINKLER PIPING  YES  NO

OTHER EXPLAIN: All underground was installed, tested & flushed by others

BLANK TESTING GASKETS	NUMBER USED	LOCATIONS	NUMBER REMOVED
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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

HYDRAULIC DATA NAMEPLATE

NAMEPLATE PROVIDED  YES  NO

IF NO, EXPLAIN

REMARKS

10/25/17

NAME OF SPRINKLER CONTRACTOR

EASTERN FIRE PROTECTION

TESTS WITNESSED BY

SIGNATURES	FOR PROPERTY OWNED (SIGNED)	TITLE	DATE
	<u>[Signature]</u>	<u>PM</u>	<u>10-24-17</u>
	FOR SPRINKLER CONTRACTOR (SIGNED)	TITLE	DATE
	<u>[Signature]</u>	<u>Foreman</u>	<u>10/24/17</u>

ADDITIONAL EXPLANATION AND NOTES

SPRINKLERS	MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING