EDGE FIRE PROTECTION
FRONTLINE DEFENSE

7 Monroe Dr
Pelham, AL 35124

Tel: 205-620-2433
Fax: 205-620-2434

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

Property Name: Portland Retirement Residence **Date:** 22-Oct-18

Property Address: 830 Ocean Ave Portland, ME 04103

Plans

Accepted by approving authorities (names)

Address

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 the following been left on the premises?

1. System components instructions: ☑ Yes ☐ No
2. Care and maintenance instructions ☑ Yes ☐ No
3. NFPA 25 ☑ Yes ☐ No

Location of system: Fourth Floor Wet

Sprinklers

Make	Model	Year of Manufacture	Orifice size	Quantity	Temperature rating
Tyco	TY1334	2018	1/2"	326	155
Tyco	TY323	2018	1/2"	18	155
Reliable	RA1564	2018	1/2"	31	155
Tyco	TY3331	2018	1/2"	36	155
Tyco	TY4334	2018	3/4"	10	155
Tyco	TY3331	2018	3/4"	2	200

Pipe and fittings: Type of Pipe, Type of fitting } In accordance with NFPA - 13, 2007 & FM Global

Alarm valve or flow indicator

Alarm device			Maximum time to operate through test connection	
Type	Make	Model	Minutes	Seconds
Paddle Flow	Potter	VSR		25

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	
	Minutes	Seconds	psi	psi	psi	Minutes	Seconds	Yes	No
Without Q.O.D.									
With Q.O.D.									

If no, explain

Deluge and preaction valves

☐ Pneumatic ☐ Electric ☐ Hydraulics

Operation

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

Detecting media supervised ☐ 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	Minutes	Seconds

Pressure reducing valve test	Location & floor	Make and model	Setting	Static pressure Inlet (psi)	Static pressure Outlet (psi)	Residual pressure (flowing) Inlet (psi)	Residual pressure (flowing) Outlet (psi)	Flow rate Flow (gpm)

Test description

HYDROSTATIC: Hydrostatic tests shall be made at not less than 200 psi (13.6 bar) for 2 hours or 50 psi (3.4) bar above static pressure in excess of 150 psi (10.2 bar) for 2 hours. Differential dry-pipe valve clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.

PNEUMATIC: Establish 40 psi. (2.7 bar) air pressure and measure drop, which shall not exceed 1 1/2 psi (0.1 bar) 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 bar) in 24 hours.

Tests

All piping hydrostatically tested at 200 psi (____ bar) for 2 hours

Dry piping pneumatically tested ☐ Yes ☐ No

Equipment operates properly ☐ Yes ☐ No

If no, state reason

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:	Residual pressure with valve in test connection open wide:
	57 psi ____ bar	50 psi ____ bar

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 flushed by installer of underground sprinkler piping ☑ Yes ☐ No

Other

Explain

If powder-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? ☑ Yes ☐ No

If no, explain N/A

Blank testing gaskets

Number used	Locations	Number removed
N/A 0		

Welding

Welding piping ☑ Yes ☐ No

If yes...

Do you certify as the sprinkler contractor that welding procedures comply with the minimum requirements of AWS B2.1, ASME Section IX *Welding and Brazing Qualification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that all welding was performed by welders or welding operators qualified in compliance with the minimun requirements of AWS B2.1, ASME Section IX *Welding and Brazing Quaiilification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that the welding was conducted in compliance with a documented quality control procedure to ensure that (1) all discs are retrieved; (2) that openings in piping are smooth, that slag and other welding residue are removed; (3) the internal diameters fo piping are not penetrated; (4) completed welds free from cracks, incomplete fusion, surface porosity greater than 1/16 in. diameter, undercut deeper than the lesser of 25% of the wall thickness or 1/32in; and (5) completed circumferential butt weld reinforced does not exceed 3/32 in? ☑ 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 11-20-18

Signatures

Name of sprinkler contractor **EDGE Fire Proteciton Inc**

Tests witnessed by

The property owner or their authorized agent (signed)	Title	Date
	Const Managers	

For sprinkler contractor (signed)	Title	Date
	FOREMAN	11-17-18

Additional explanations and notes

EDGE
FIRE PROTECTION
FRONTLINE DEFENSE

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Property Name: Portland Retirement Residence | **Date:** 22-Oct-18

Property Address: 830 Ocean Ave Portland, ME 04103

Plans

Accepted by approving authorities (names)

Address

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 the following been left on the premises?

1. System components instructions: ☑ Yes ☐ No
2. Care and maintenance instructions ☑ Yes ☐ No
3. NFPA 25 ☑ Yes ☐ No

Location of system: Third Floor Wet

Sprinklers

Make	Model	Year of Manufacture	Orifice size	Quantity	Temperature rating
Tyco	TY2234	2018	1/2"	274	155
Tyco	TY323	2018	1/2"	40	155
Reliable	RA1564	2018	1/2"	32	155
Tyco	TY3331	2018	1/2"	25	155
Tyco	TY3335	2018	1/2"	35	155
Tyco	TY4332	2018	3/4"	2	155

Pipe and fittings

Type of Pipe
Type of fitting
} In accordance with NFPA - 13, 2007 & FM Global

Alarm valve or flow indicator

Alarm device			Maximum time to operate through test connection	
Type	Make	Model	Minutes	Seconds
Paddle Flow	Potter	VSR		31

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	
	Minutes	Seconds	psi	psi	psi	Minutes	Seconds	Yes	No
Without Q.O.D.									
With Q.O.D.									

If no, explain

Deluge and preaction valves

☐ Pneumatic ☐ Electric ☐ Hydraulics

Operation

Piping supervised ☑ Yes ☐ No

Detecting media 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 to operate release	
		Yes	No	Yes	No	Minutes	Seconds

Pressure reducing valve test	Location & floor	Make and model	Setting	Static pressure Inlet (psi)	Static pressure Outlet (psi)	Residual pressure (flowing) Inlet (psi)	Residual pressure (flowing) Outlet (psi)	Flow rate Flow (gpm)

Test description

HYDROSTATIC: Hydrostatic tests shall be made at not less than 200 psi (13.6 bar) for 2 hours or 50 psi (3.4) bar above static pressure in excess of 150 psi (10.2 bar) for 2 hours. Differential dry-pipe valve clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.

PNEUMATIC: Establish 40 psi. (2.7 bar) air pressure and measure drop, which shall not exceed 1 1/2 psi (0.1 bar) 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 bar) in 24 hours.

Tests

All piping hydrostatically tested at 200 psi (____ bar) for 2 hours

Dry piping pneumatically tested ☐ Yes ☐ No

Equipment operates properly ☐ Yes ☐ No

If no, state reason

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:	Residual pressure with valve in test connection open wide:
	56 psi ____ bar	49 psi ____ bar

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 flushed by installer of underground sprinkler piping ☑ Yes ☐ No

Other

Explain

If powder-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? ☑ Yes ☐ No

If no, explain N/A

Blank testing gaskets

Number used	Locations	Number removed
N/A		

Welding

Welding piping ☑ Yes ☐ No

If yes...

Do you certify as the sprinkler contractor that welding procedures comply with the minimum requirements of AWS B2.1, ASME Section IX *Welding and Brazing Qualification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that all welding was performed by welders or welding operators qualified in compliance with the minimun requirements of AWS B2.1, ASME Section IX *Welding and Brazing Quailification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that the welding was conducted in compliance with a documented quality control procedure to ensure that (1) all discs are retrieved; (2) that openings in piping are smooth, that slag and other welding residue are removed; (3) the internal diameters fo piping are not penetrated; (4) completed welds free from cracks, incornplete fusion, surface porosity greater than 1/16 in. diameter, undercut deeper than the lesser of 25% of the wall thickness or 1/32in; and (5) completed circumferential butt weld reinforced does not exceed 3/32 in? ☑ 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 11-20-18

Signatures

Name of sprinkler contractor **EDGE Fire Proteciton Inc**

Tests witnessed by

The property owner or their authorized agent (signed)	Title	Date
	Const. Manager	

For sprinkler contractor (signed)	Title	Date
	FOREMAN	11-17-18

Additional explanations and notes

EDGE FIRE PROTECTION
FRONTLINE DEFENSE

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Contractor's Material & Test Certificate for Aboveground Piping

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Property Name: Portland Retirement Residence **Date:** 22-Oct-18

Property Address: 830 Ocean Ave Portland, ME 04103

Plans

Accepted by approving authorities (names)

Address

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 the following been left on the premises?

1. System components instructions: ☑ Yes ☐ No
2. Care and maintenance instructions ☑ Yes ☐ No
3. NFPA 25 ☑ Yes ☐ No

Location of system: Second Floor Wet

Sprinklers

Make	Model	Year of Manufacture	Orifice size	Quantity	Temperature rating
Tyco	TY2234	2018	1/2"	370	155
Tyco	TY323	2018	1/2"	50	155
Reliable	RA1564	2018	1/2"	33	155
Tyco	TY3331	2018	1/2"	15	155
Tyco	TY3335	2018	1/2"	75	155

Pipe and fittings

Type of Pipe
Type of fitting
} In accordance with NFPA - 13, 2007 & FM Global

Alarm valve or flow indicator

Alarm device			Maximum time to operate through test connection	
Type	Make	Model	Minutes	Seconds
Paddle Flow	Potter	VSR		27

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	
	Minutes	Seconds	psi	psi	psi	Minutes	Seconds	Yes	No
Without Q.O.D.									
With Q.O.D.									

If no, explain

Deluge and preaction valves

☐ Pneumatic ☐ Electric ☐ Hydraulics

Operation

Piping supervised ☑ Yes ☐ No Detecting media 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 to operate release	
		Yes	No	Yes	No	Minutes	Seconds

Pressure reducing valve test	Location & floor	Make and 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 bar) for 2 hours or 50 psi (3.4) bar above static pressure in excess of 150 psi (10.2 bar) for 2 hours. Differential dry-pipe valve clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.

PNEUMATIC: Establish 40 psi. (2.7 bar) air pressure and measure drop, which shall not exceed 1 1/2 psi (0.1 bar) 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 bar) in 24 hours.

Tests

All piping hydrostatically tested at 200 psi (____ bar) for 2 hours

Dry piping pneumatically tested ☐ Yes ☐ No

Equipment operates properly ☐ Yes ☐ No

If no, state reason

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:	Residual pressure with valve in test connection open wide:
	57 psi ____ bar	50 psi ____ bar

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 flushed by installer of underground sprinkler piping ☑ Yes ☐ No

Other

Explain

If powder-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? ☑ Yes ☐ No

If no, explain N/A

Blank testing gaskets

Number used	Locations	Number removed
N/A 0		

Welding

Welding piping ☑ Yes ☐ No

If yes...

Do you certify as the sprinkler contractor that welding procedures comply with the minimum requirements of AWS B2.1, ASME Section IX *Welding and Brazing Qualification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that all welding was performed by welders or welding operators qualified in compliance with the minimun requirements of AWS B2.1, ASME Section IX *Welding and Brazing Quailification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that the welding was conducted in compliance with a documented quality control procedure to ensure that (1) all discs are retrieved; (2) that openings in piping are smooth, that slag and other welding residue are removed; (3) the internal diameters fo piping are not penetrated; (4) completed welds free from cracks, incomplete fusion, surface porosity greater than 1/16 in. diameter, undercut deeper than the lesser of 25% of the wall thickness or 1/32in; and (5) completed circumferential butt weld reinforced does not exceed 3/32 in? ☑ 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 11-20-18

Signatures

Name of sprinkler contractor **EDGE Fire Proteciton Inc**

Tests witnessed by

The property owner or their authorized agent (signed)	Title	Date
	Const. Manager	

For sprinkler contractor (signed)	Title	Date
	FOREMAN	11-17-18

Additional explanations and notes

EDGE FIRE PROTECTION
FRONTLINE DEFENSE

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Contractor's Material & Test Certificate for Aboveground Piping

PROCEDURE

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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: Portland Retirement Residence **Date:** 22-Oct-18

Property Address: 830 Ocean Ave Portland Maine 04103

Plans

- Accepted by approving authorities (names)
- Address
- 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 the following been left on the premises?

1. System components instructions: — ☑ Yes ☐ No
2. Care and maintenance instructions — ☑ Yes ☐ No
3. NFPA 25 — ☑ Yes ☐ No

Location of system: Ground Floor Wet

Sprinklers

Make	Model	Year of Manufacture	Orifice size	Quantity	Temperature rating
Tyco	TY2234	2018	1/2"	83	155
Tyco	TY323	2018	1/2"	6	200
Tyco	TY313	2018	1/2"	30	200
Tyco	TY3331	2018	1/2"	8	155
Tyco	TY3335	2018	1/2"	18	155
Tyco	TY3331	2018	1/2"	4	200
Tyco	TY5137	2018	1/2"	2	200
Tyco	TY323	2018	1/2"	88	155
Reliable	DH-56 HSW	2018	1/2"	12	155

Pipe and fittings

Type of Pipe
Type of fitting
} In accordance with NFPA - 13, 2007 & FM Global

Alarm valve or flow indicator

Alarm device			Maximum time to operate through test connection	
Type	Make	Model	Minutes	Seconds
Paddle Flow	Potter	VSR		34

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	
	Minutes	Seconds	psi	psi	psi	Minutes	Seconds	Yes	No
Without Q.O.D.									
With Q.O.D.									

If no, explain

Deluge and preaction valves

☐ Pneumatic ☐ Electric ☐ Hydraulics

Operation

- Piping supervised — ☑ Yes ☐ No
- Detecting media 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 to operate release	
		Yes	No	Yes	No	Minutes	Seconds

Pressure reducing valve test	Location & floor	Make and 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 bar) for 2 hours or 50 psi (3.4) bar above static pressure in excess of 150 psi (10.2 bar) for 2 hours. Differential dry-pipe valve clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.

PNEUMATIC: Establish 40 psi. (2.7 bar) air pressure and measure drop, which shall not exceed 1 1/2 psi (0.1 bar) 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 bar) in 24 hours.

Tests

All piping hydrostatically tested at 200 psi (____ bar) for 2 hours

Dry piping pneumatically tested ☐ Yes ☑ No

Equipment operates properly ☑ Yes ☐ No

If no, state reason

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:		Residual pressure with valve in test connection open wide:	
	55 psi	bar	49 psi	bar

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 flushed by installer of underground sprinkler piping ☑ Yes ☐ No

Other

Explain

If powder-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? ☐ Yes ☐ No

If no, explain N/A

Blank testing gaskets

Number used	Locations	Number removed
N/A		

Welding

Welding piping ☑ Yes ☐ No

If yes...

Do you certify as the sprinkler contractor that welding procedures comply with the minimum requirements of AWS B2.1, ASME Section IX *Welding and Brazing Qualification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

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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 11-20-18

Signatures

Name of sprinkler contractor **EDGE Fire Proteciton Inc**

Tests witnessed by

The property owner or their authorized agent (signed)	Title	Date
	Const. Manager	
For sprinkler contractor (signed)	Title	Date
	FOREMAN	11-18-18

Additional explanations and notes

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Property Name: Portland Retirement Residence **Date:** 22-Oct-18

Property Address: 830 Ocean Ave Portland Maine 04103

Plans

Accepted by approving authorities (names)

Address

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 the following been left on the premises?

1. System components instructions: ☑ Yes ☐ No
2. Care and maintenance instructions ☑ Yes ☐ No
3. NFPA 25 ☑ Yes ☐ No

Location of system: Attic Center and West

Sprinklers

Make	Model	Year of Manufacture	Orifice size	Quantity	Temperature rating
Tyco	TY4180	2018	3/4"	21	200
Tyco	TY3183	2018	1/2"	61	200
Tyco	TY3190	2018	1/2"	67	200
Tyco	TY2235	2018	1/2"	6	155
Tyco	TY3180	2018	1/2"	24	200
Tyco	TY3235	2018	1/2"	14	155

Pipe and fittings

Type of Pipe } In accordance with NFPA - 13, 2007 & FM Global

Type of fitting }

Alarm valve or flow indicator

Alarm device			Maximum time to operate through test connection	
Type	Make	Model	Minutes	Seconds
Pressure Switch	Potter	PS10		

Dry pipe operating test

Dry valve			Q.O.D.		
Make	Model	Serial no.	Make	Model	Serial no.
Tyco	DPV-1				

	Time to trip through test connection		Water pressure	Air pressure	Trip point air pressure	Time water reached test outlet		Alarm operated properly	
	Minutes	Seconds	psi	psi	psi	Minutes	Seconds	Yes	No
Without Q.O.D.	~~3~~ 5	35	125	37	20		~~4~~ 3	✓	
With Q.O.D.	~~4~~ 5	6	~~27~~						

If no, explain

Deluge and preaction valves

Operation ☐ Pneumatic ☐ Electric ☐ Hydraulics

Piping supervised ☐ Yes ☐ No Detecting media 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 to operate release	
		Yes	No	Yes	No	Minutes	Seconds

Pressure reducing valve test	Location & floor	Make and 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 bar) for 2 hours or 50 psi (3.4) bar above static pressure in excess of 150 psi (10.2 bar) for 2 hours. Differential dry-pipe valve clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.

PNEUMATIC: Establish 40 psi. (2.7 bar) air pressure and measure drop, which shall not exceed 1 1/2 psi (0.1 bar) 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 bar) in 24 hours.

Tests

All piping hydrostatically tested at 206 psi (____ bar) for 2 hours

Dry piping pneumatically tested ☑ Yes ☐ No

Equipment operates properly ☑ Yes ☐ No

If no, state reason

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: 59 psi ____ bar — Residual pressure with valve in test connection open wide: 49 psi ____ bar

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 flushed by installer of underground sprinkler piping ☑ Yes ☐ No

Other

Explain

If powder-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? ☑ Yes ☐ No

If no, explain N/A

Blank testing gaskets

Number used N/A 0 — Locations — Number removed

Welding

Welding piping ☑ Yes ☐ No

If yes...

Do you certify as the sprinkler contractor that welding procedures comply with the minimum requirements of AWS B2.1, ASME Section IX *Welding and Brazing Qualification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that all welding was performed by welders or welding operators qualified in compliance with the minimun requirements of AWS B2.1, ASME Section IX *Welding and Brazing Quaillification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that the welding was conducted in compliance with a documented quality control procedure to ensure that (1) all discs are retrieved; (2) that openings in piping are smooth, that slag and other welding residue are removed; (3) the internal diameters fo piping are not penetrated; (4) completed welds free from cracks, incomplete fusion, surface porosity greater than 1/16 in. diameter, undercut deeper than the lesser of 25% of the wall thickness or 1/32in; and (5) completed circumferential butt weld reinforced does not exceed 3/32 in? ☑ 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 11-20-18

Signatures

Name of sprinkler contractor **EDGE Fire Protection Inc.**

Tests witnessed by

	Title	Date
The property owner or their authorized agent (signed)	Const Manager	
For sprinkler contractor (signed)	Title: FOREMAN	Date: 11-17-18

Additional explanations and notes

EDGE
FIRE PROTECTION
FRONTLINE DEFENSE

7 Monroe Dr
Pelham, AL 35124

Tel: 205-620-2433
Fax: 205-620-2434

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

Property Name: Portland Retirement Residence **Date:** 22-Oct-18

Property Address: 830 Ocean Ave Portland Maine 04103

Plans

Accepted by approving authorities (names)

Address

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 the following been left on the premises?

1. System components instructions: ☑ Yes ☐ No
2. Care and maintenance instructions ☑ Yes ☐ No
3. NFPA 25 ☑ Yes ☐ No

Location of system: Attic East

Sprinklers

Make	Model	Year of Manufacture	Orifice size	Quantity	Temperature rating
Tyco	TY4180	2018	3/4"	18	200
Tyco	TY3183	2018	1/2"	41	200
Tyco	TY3190	2018	1/2"	76	200
Tyco	TY3180	2018	1/2"	12	200
Tyco	TY3235	2018	1/2"	17	155

Pipe and fittings

Type of Pipe } In accordance with NFPA - 13, 2007 & FM Global

Type of fitting }

Alarm valve or flow indicator

Alarm device			Maximum time to operate through test connection	
Type	Make	Model	Minutes	Seconds
Pressure Switch	Potter	PS10		

Dry pipe operating test

Dry valve			Q.O.D.		
Make	Model	Serial no.	Make	Model	Serial no.
Tyco	DPV-1				

	Time to trip through test connection		Water pressure	Air pressure	Trip point air pressure	Time water reached test outlet		Alarm operated properly	
	Minutes	Seconds	psi	psi	psi	Minutes	Seconds	Yes	No
Without Q.O.D.		45	125	36	20		45	X	
With Q.O.D.									

If no, explain

Deluge and preaction valves

Operation ☐ Pneumatic ☐ Electric ☐ Hydraulics

Piping supervised ☐ Yes ☐ No Detecting media 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 to operate release	
		Yes	No	Yes	No	Minutes	Seconds

Pressure reducing valve test	Location & floor	Make and model	Setting	Static pressure Inlet (psi)	Static pressure Outlet (psi)	Residual pressure (flowing) Inlet (psi)	Residual pressure (flowing) Outlet (psi)	Flow rate Flow (gpm)

Test description

HYDROSTATIC: Hydrostatic tests shall be made at not less than 200 psi (13.6 bar) for 2 hours or 50 psi (3.4) bar above static pressure in excess of 150 psi (10.2 bar) for 2 hours. Differential dry-pipe valve clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.

PNEUMATIC: Establish 40 psi. (2.7 bar) air pressure and measure drop, which shall not exceed 1 1/2 psi (0.1 bar) 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 bar) in 24 hours.

Tests

All piping hydrostatically tested at 200 psi (____ bar) for 2 hours

Dry piping pneumatically tested ☑ Yes ☐ No

Equipment operates properly ☑ Yes ☐ No

If no, state reason

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:	Residual pressure with valve in test connection open wide:
	57 psi ____ bar	48 psi ____ bar

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 flushed by installer of underground sprinkler piping ☑ Yes ☐ No

Other

Explain

If powder-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? ☐ Yes ☐ No

If no, explain N/A

Blank testing gaskets

Number used	Locations	Number removed
N/A 0		

Welding

Welding piping ☑ Yes ☐ No

If yes...

Do you certify as the sprinkler contractor that welding procedures comply with the minimum requirements of AWS B2.1, ASME Section IX *Welding and Brazing Qualification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that all welding was performed by welders or welding operators qualified in compliance with the minimun requirements of AWS B2.1, ASME Section IX *Welding and Brazing Quailification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that the welding was conducted in compliance with a documented quality control procedure to ensure that (1) all discs are retrieved; (2) that openings in piping are smooth, that slag and other welding residue are removed; (3) the internal diameters fo piping are not penetrated; (4) completed welds free from cracks, incomplete fusion, surface porosity greater than 1/16 in. diameter, undercut deeper than the lesser of 25% of the wall thickness or 1/32in; and (5) completed circumferential butt weld reinforced does not exceed 3/32 in? ☑ 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 11-20-18

Signatures

Name of sprinkler contractor **EDGE Fire Protection Inc.**

Tests witnessed by

The property owner or their authorized agent (signed)	Title	Date
	Const. Manager	

For sprinkler contractor (signed)	Title	Date
	FOREMAN	11-17-18

Additional explanations and notes

EDGE
FIRE PROTECTION
FRONTLINE DEFENSE

7 Monroe Dr
Pelham, AL 35124

Tel: 205-620-2433
Fax: 205-620-2434

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

Property Name: Portland Retirement Residence **Date:** 22-Oct-18

Property Address: 830 Ocean Ave Portland Maine 04103

Plans

Accepted by approving authorities (names)

Address

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 the following been left on the premises?

1. System components instructions: ☑ Yes ☐ No
2. Care and maintenance instructions ☑ Yes ☐ No
3. NFPA 25 ☑ Yes ☐ No

Location of system: Ground Floor Dry

Sprinklers

Make	Model	Year of Manufacture	Orifice size	Quantity	Temperature rating
Tyco	TY5238	2018	3/4"	4	155
Tyco	TY3190	2018	1/2"	34	200
Tyco	TY3180	2018	3/4"	11	200
Tyco	TY3235	2018	1/2"	62	155

Pipe and fittings

Type of Pipe } In accordance with NFPA - 13, 2007 & FM Global

Type of fitting }

Alarm valve or flow indicator

Alarm device			Maximum time to operate through test connection	
Type	Make	Model	Minutes	Seconds
Pressure Switch	Potter	PS10		

Dry pipe operating test

Dry valve			Q.O.D.		
Make	Model	Serial no.	Make	Model	Serial no.
Tyco	DPV-1				

	Time to trip through test connection		Water pressure	Air pressure	Trip point air pressure	Time water reached test outlet		Alarm operated properly	
	Minutes	Seconds	psi	psi	psi	Minutes	Seconds	Yes	No
Without Q.O.D.		45							
With Q.O.D.									

If no, explain

Deluge and preaction valves

Operation ☐ Pneumatic ☐ Electric ☐ Hydraulics

Piping supervised ☐ Yes ☐ No Detecting media 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 to operate release	
		Yes	No	Yes	No	Minutes	Seconds

Pressure reducing valve test	Location & floor	Make and 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 bar) for 2 hours or 50 psi (3.4) bar above static pressure in excess of 150 psi (10.2 bar) for 2 hours. Differential dry-pipe valve clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.

PNEUMATIC: Establish 40 psi. (2.7 bar) air pressure and measure drop, which shall not exceed 1 1/2 psi (0.1 bar) 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 bar) in 24 hours.

Tests

All piping hydrostatically tested at _____ psi (_____ bar) for _____ hours

Dry piping pneumatically tested ☐ Yes ☐ No

Equipment operates properly ☐ Yes ☐ No

If no, state reason

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:		Residual pressure with valve in test connection open wide:	
	psi	bar	psi	bar

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 flushed by installer of underground sprinkler piping ☑ Yes ☐ No

Other

Explain

If powder-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? ☐ Yes ☐ No

If no, explain N/A

Blank testing gaskets

Number used	Locations	Number removed
N/A		

Welding

Welding piping ☑ Yes ☐ No

If yes...

Do you certify as the sprinkler contractor that welding procedures comply with the minimum requirements of AWS B2.1, ASME Section IX *Welding and Brazing Qualification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that all welding was performed by welders or welding operators qualified in compliance with the minimun requirements of AWS B2.1, ASME Section IX *Welding and Brazing Quailification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that the welding was conducted in compliance with a documented quality control procedure to ensure that (1) all discs are retrieved; (2) that openings in piping are smooth, that slag and other welding residue are removed; (3) the internal diameters fo piping are not penetrated; (4) completed welds free from cracks, incomplete fusion, surface porosity greater than 1/16 in. diameter, undercut deeper than the lesser of 25% of the wall thickness or 1/32in; and (5) completed circumferential butt weld reinforced does not exceed 3/32 in? ☑ 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 11-20-18

Signatures

Name of sprinkler contractor **EDGE Fire Protection Inc.**

Tests witnessed by

The property owner or their authorized agent (signed)	Title	Date
	Const. Manager	
For sprinkler contractor (signed)	Title	Date
	Foreman	

Additional explanations and notes

EDGE FIRE PROTECTION FRONTLINE DEFENSE

7 Monroe Dr
Pelham, AL 35124

Tel: 205-620-2433
Fax: 205-620-2434

Contractor's Material & 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.

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Property Name: Portland Retirement Residence | **Date:** 22-Oct-18

Property Address: 830 Ocean Ave Portland Maine 04103

Plans

Accepted by approving authorities (names)		
Address		
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?		
If no, explain	☑ Yes	☐ No
Have 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	☑ Yes	☐ No

Location of system: Ground Floor Dry

Sprinklers

Make	Model	Year of Manufacture	Orifice size	Quantity	Temperature rating
Tyco	TY5238	2018	3/4"	4	155
Tyco	TY3190	2018	1/2"	34	200
Tyco	TY3180	2018	3/4"	11	200
Tyco	TY3235	2018	1/2"	62	155

Pipe and fittings

Type of Pipe
Type of fitting
} In accordance with NFPA - 13, 2007 & FM Global

Alarm valve or flow indicator

Alarm device			Maximum time to operate through test connection	
Type	Make	Model	Minutes	Seconds
Pressure Switch	Potter	PS10		

Dry pipe operating test

Dry valve			Q.O.D.		
Make	Model	Serial no.	Make	Model	Serial no.
Tyco	DPV-1				

	Time to trip through test connection		Water pressure	Air pressure	Trip point air pressure	Time water reached test outlet		Alarm operated properly	
	Minutes	Seconds	psi	psi	psi	Minutes	Seconds	Yes	No
Without Q.O.D.	~~25~~	40	120	37	20		31	X	
With Q.O.D.	~~45~~								

If no, explain

Deluge and preaction valves

Operation	☐ Pneumatic	☐ Electric	☐ Hydraulics
Piping supervised	☐ Yes ☐ No	Detecting media 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 to operate release	
		Yes	No	Yes	No	Minutes	Seconds

Pressure reducing valve test	Location & floor	Make and model	Setting	Static pressure Inlet (psi)	Static pressure Outlet (psi)	Residual pressure (flowing) Inlet (psi)	Residual pressure (flowing) Outlet (psi)	Flow rate Flow (gpm)

Test description

HYDROSTATIC: Hydrostatic tests shall be made at not less than 200 psi (13.6 bar) for 2 hours or 50 psi (3.4) bar above static pressure in excess of 150 psi (10.2 bar) for 2 hours. Differential dry-pipe valve clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.

PNEUMATIC: Establish 40 psi. (2.7 bar) air pressure and measure drop, which shall not exceed 1 1/2 psi (0.1 bar) 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 bar) in 24 hours.

Tests

All piping hydrostatically tested at 200 psi (____ bar) for 2 hours

Dry piping pneumatically tested ☑ Yes ☐ No

Equipment operates properly ☑ Yes ☐ No

If no, state reason

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:	Residual pressure with valve in test connection open wide:
	59 psi ____ bar	49 psi ____ bar

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 flushed by installer of underground sprinkler piping ☑ Yes ☐ No

Other

Explain

If powder-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? ☐ Yes ☐ No

If no, explain N/A

Blank testing gaskets

Number used	Locations	Number removed
N/A 0		

Welding

Welding piping ☑ Yes ☐ No

If yes...

Do you certify as the sprinkler contractor that welding procedures comply with the minimum requirements of AWS B2.1, ASME Section IX *Welding and Brazing Qualification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that all welding was performed by welders or welding operators qualified in compliance with the minimun requirements of AWS B2.1, ASME Section IX *Welding and Brazing Quailification*, or other applicable qualification standard as required by the AHJ? ☑ Yes ☐ No

Do you certify that the welding was conducted in compliance with a documented quality control procedure to ensure that (1) all discs are retrieved; (2) that openings in piping are smooth, that slag and other welding residue are removed; (3) the internal diameters fo piping are not penetrated; (4) completed welds free from cracks, incomplete fusion, surface porosity greater than 1/16 in. diameter, undercut deeper than the lesser of 25% of the wall thickness or 1/32in; and (5) completed circumferential butt weld reinforced does not exceed 3/32 in? ☑ 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 11-20-18

Signatures

Name of sprinkler contractor **EDGE Fire Protection Inc.**

Tests witnessed by

The property owner or their authorized agent (signed) ____ Title Const. Manager Date

For sprinkler contractor (signed) ____ Title Foreman Date 11-17-18

Additional explanations and notes