Fire & Life Safety America, Inc
1407 Mill Race Drive Salem, VA 24153
Tel: (540)378-6160 Fax: (540)378-6171

FIRE PROTECTION SYSTEM SUMMARY INSPECTION AND TESTING FORM

Date: 12-20-13 Work Order #: 224134

GENERAL INFORMATION

Site Name: Back Creek School Owner:
Address: Address:
City: Roanoke State: VA City: State:

Last Inspection Date: 2012 By: FLSA

This inspection is (check one): ☐ monthly ☐ bi-monthly ☐ quarterly ☐ semi-annual ☒ annual Report to:

PART A EQUIPMENT AND ALARMS

1. Central station notified / alarms silenced 12:15 AM / (PM) Alarms restored 1:15 AM / (PM)
2. Fire Protection System(s) to be inspected (No., Size, Make, Model) 750 gpm, 4" Fire-Matic mt. Simplex 4010

PART B OWNER'S SECTION (to be answered by owner or occupant)

		Yes	N/A**	No*
1.	Is the property occupied?	✓		
2.	Has the occupancy classification or hazard of contents remained the same since the last inspection?	✓		
3.	Is the "fire protection system" in service?	✓		
4.	Has the "fire protection system" remained in service without modification or activation since last inspection?	✓		
5.	If "no" to 4, all changes to building or system(s) fully reviewed, documented and properly protected.	✓		
6.	Has the system been examined internally for obstructions where conditions exist that could cause obstructed piping? Date: 2009	✓		
7.	Has the system piping (dry, preaction, deluge) been checked for proper drainage and/or pitch?		✓	
8.	Is the "fire protection system" adequately protected from freezing?	✓		
9.	Have hazardous locations and materials been identified and safety instructions provided to the technician prior to performing the inspection?	✓		

PART C - TEST NOTIFICATIONS

	PRIOR TO START			UPON COMPLETION		
	Yes	No	Time	Yes	No	Time
Monitoring Entity/Central Station	✓		12:15	✓		1:00
Building Management	✓		12:10	✓		
Building Occupant	✓		12:10	✓		
AHJ/FD						
Other (specify)						
Did alarm central station receive signal properly?	✓		1:00	✓		
Did alarm panel reset properly?	✓		1:00	✓		

PART D - INSPECTION PERFORMED (Copies Attached of Items Checked)

- ☒ Sprinkler System Form
- ☐ Dry Valve Trip Test Report
- ☐ Sprinkler Piping Condition Form
- ☐ Fire Pump Inspection Form
- ☐ _____
- ☐ Standpipe Inspection Form
- ☐ Hydrant Flow Test Form
- ☐ Fire Alarm Detection Form
- ☐ Deluge/Pre-Action Trip Test Report
- ☐ _____
- ☐ Water Storage Tanks Form
- ☐ Private Fire Service Mains Form
- ☐ Backflow Test Form
- ☐ Addendum to Report of Inspection

Fire & Life Safety America, Inc
1407 Mill Race Drive Salem, VA 24153
Tel:(540)378-6160 Fax:(540)378-6171

Fire Protection Systems Report of Inspections

Work Order #: _____ Date: 12-20-17

Site Name	Tinker Creek School		Owner		
Address			Address		
City	Roanoke	State VA	City	State	
Zip		Phone	Zip	Phone	

PART I INSPECTOR'S SECTION (all responses reference current inspection)	Yes	N/A	No
A. General			
1. Is the hydraulic data plate in place, permanently marked and securely attached?	✓		
2. Is the fire department connection(s) in satisfactory condition, couplings free, caps in place,	✓		
check valves tight and accessible and visible?	✓		
3. Has the system check valve(s) been internally inspected within in the last 5 years? (Date 2009)	✓		
4. Is the visible exterior of the system piping in good condition and free from damage? (Date checked 2012)	✓		
5. Are visible hangers in place, securely attached and free of corrosion? (Date checked 2012)	✓		
6. Are system gauges (water/air) in good condition and showing normal pressures?	✓		
7. Were system gauges (water/air) checked against a calibrated gauge or replaced in the last 5 years? (Date 2009)	✓		
B. Wet Systems			
1. Are areas protected by wet systems inside the property properly heated?	✓		
2. There is no leakage from drain pipes indicating problems with retard chambers, alarm drains or main drain?	✓		
3. Are inspection and flow test tags in place and filled out completely?	✓		
4. Was a flow test performed from inspector's test valve and did the alarms operate?	✓		
5. Are cold weather valves in the appropriate (open) / (closed) position?	✓		
6. Are antifreeze test results satisfactory?		✓	
Test Results: Solution Type _____ Freeze Point _____		✓	
C. Dry Systems (see trip test report dated _____)			
1. Are the air pressure and priming water level in accordance with the manufacturer's instructions?		✓	
2. Is the air (compressor) or nitrogen supply in service and operating properly?		✓	
3. Are quick-opening devices in service? (Semiannual test performed on _____)		✓	
4. Are air maintenance device(s) installed and operating properly?		✓	
5. Is the intermediate chamber free from leakage and the velocity check free & clear?		✓	
6. Were low points drained during this inspection? (Quantity Drained _____) (see Part III.J)		✓	
7. Did the heating equipment in the valve enclosure operate at the time of inspection?		✓	
D. Special Systems (Deluge—Preaction) (see trip test report dated _____)			
1. Did detection devices test satisfactorily during this inspection?		✓	
2. Did the release/activation devices operate properly during detection testing?		✓	
3. Is the air pressure and priming water level for the preaction system in accordance with manufacturer's instructions?		✓	
E. Alarms (Wet, Dry, Preaction & Deluge)			
1. Are the alarm trim valves in the proper position, sealed and/or locked?	✓		
2. Did the water motor and gong/electrical alarms (pressure and water flow) operate properly during testing?	✓		
3. Did the central station/monitoring system receive all alarms?	✓		
4. Did the low/high air alarms for the system piping/detection operate properly?		✓	
5. Did tamper devices operate properly?	✓		
F. Sprinklers			
1. Is the proper clearance maintained between the top of the storage and sprinkler deflector?			
2. Are all sprinklers free from corrosion, loading or obstruction to spray discharge?			
3. Are standard sprinklers in service for less than 50 years / dated after 1920?			
4. Are fast response sprinklers in service for less than 20 years?			
5. Is a spare head cabinet with spare sprinklers and proper wrenches installed at system riser?			
6. Are sprinklers near heating devices of proper temperature rating?			
G. Control Valves (see item G.7)			
1. Are sprinkler system control valves in the appropriate position?			
2. Were operating stems of all O.S.&Y. valves lubricated, completely closed and reopened? (Date _____)	✓		
3. Were all control valves operated through full range and returned to normal position? (Date _____)	✓		
4. Are valves free from external leaks?	✓		
5. Are valves properly identified with signs?	✓		
6. Are pressure regulating control valves open, not leaking, maintaining downstream pressure and	✓		
free from physical damage? (Date tested _____)	✓		

See Addendum

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FLSA — FIRE & LIFE SAFETY AMERICA · PROTECTING AMERICA

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7.

Control Valve Maintenance Table	Number	Type	Open	Secured	Closed	Signs	Tampers	Seal No.	Abnormal Condition
City Connection Control Valve	—								
Tank Control Valves	2	Globe	yes/no	yes	yes/no	NO	NO		
Pump Control Valves	4	BF/OSY	yes	yes	NO	yes	NO		
Sectional Control Valves	—								
System Control Valves	1	OSY	yes	yes	NO	yes	NO		
Other Control Valves	—								
Test Header Control Valve	1	BF	NO	yes	yes	yes	NO		
Pressure Reducing Control Valve	—								

4. Water Supply Data

	YES	N.A.	NO
1. Was a water flow test of main drain made at sprinkler riser?	X		

2. Water supply pressures:
a. City 50 psi   c. Tank ______ psi
b. Fire pump 20 psi   d. ______ psi

3. Water flow test at sprinkler riser (in psi):

	Test Pipe Location	Size Test Pipe	Static	Residual	Static		Test Pipe Location	Size Test Pipe	Static	Residual	Static
a	WET	2"	60	50	65	d					
b						e					
c						f					

Explain any "no" answers and comment [see addendum(s) attached if checked ☐]

(1) water motor gong no working Trim stopped up
(2) louvers not working in pump room.

Adjustments or corrections made during this inspection: NONE

This inspection was performed substantially in accordance with NFPA Standard: 25(2011) ☐ 13( ) ☐ ___ ( ) ☐ ___ ( ) ☐ ___ ( ) ☐. Although these comments are not the result of an engineering review, the following desirable improvements are recommended [see addendum(s) attached if checked ☐]

* FLSA Completed Semi-Annual sprinkler inspection

The information on this form is correct at the time and place of my inspection. The "fire protection system" was left in operational condition upon completion of this inspection except as noted above.

This report was reviewed with:

Virginia Sharp — Print Name
[signature] — Signature
[signature] — Technician
12-20-13 — Date

Fire & Life Safety America, Inc
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FIRE PROTECTION SYSTEM SUMMARY INSPECTION AND TESTING FORM

Date: 12-23-13 Work Order #: 224134

GENERAL INFORMATION

Site Name: Clear brook Elem School Owner: Roanoke County Schools
Address: 5205 Franklin Rd Address:
City: Roanoke State: VA City: State:

Last Inspection Date: 6-13 By: FLSA

This inspection is (check one): ☐ monthly ☐ bi-monthly ☐ quarterly ☒ semi-annual ☐ annual Report to:

PART A EQUIPMENT AND ALARMS

1. Central station notified / alarms silenced 8:00 AM / PM Alarms restored AM / PM
2. Fire Protection System(s) to be inspected (No., Size, Make, Model) 13" Wet System

PART B OWNER'S SECTION (to be answered by owner or occupant)

		Yes	N/A**	No*
1.	Is the property occupied?	✓		
2.	Has the occupancy classification or hazard of contents remained the same since the last inspection?	✓		
3.	Is the "fire protection system' in service?	✓		
4.	Has the "fire protection system" remained in service without modification or activation since last inspection?	✓		
5.	If "no" to 4, all changes to building or system(s) fully reviewed, documented and properly protected.	✓		
6.	Has the system been examined internally for obstructions where conditions exist that could cause obstructed piping? Date: 2011	✓		
7.	Has the system piping (dry, preaction, deluge) been checked for proper drainage and/or pitch?	✓		
8.	Is the "fire protection system" adequately protected from freezing?	✓		
9.	Have hazardous locations and materials been identified and safety instructions provided to the technician prior to performing the inspection?	✓		

PART C - TEST NOTIFICATIONS

	PRIOR TO START			UPON COMPLETION		
	Yes	No	Time	Yes	No	Time
Monitoring Entity/Central Station	✓		8:00	✓		
Building Management	✓		8:00	✓		
Building Occupant	✓		8:00	✓		
AHJ/FD						
Other (specify)						
Did alarm central station receive signal properly?				✓		
Did alarm panel reset properly?				✓		

PART D - INSPECTION PERFORMED (Copies Attached of Items Checked)

- ☒ Sprinkler System Form
- ☐ Dry Valve Trip Test Report
- ☐ Sprinkler Piping Condition Form
- ☐ Fire Pump Inspection Form
- ☐ _____
- ☐ Standpipe Inspection Form
- ☐ Hydrant Flow Test Form
- ☐ Fire Alarm Detection Form
- ☐ Deluge/Pre-Action Trip Test Report
- ☐ _____
- ☐ Water Storage Tanks Form
- ☐ Private Fire Service Mains Form
- ☐ Backflow Test Form
- ☐ Addendum to Report of Inspection

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FIRE PROTECTION SYSTEM SUMMARY INSPECTION AND TESTING FORM

Date: 12-20-13 Work Order #: 224134

GENERAL INFORMATION

Site Name: Beckcreek School Owner:
Address: Address:
City: Roanoke State: VA City: State:

Last Inspection Date: 2012 By: FLSA

This inspection is (check one): ☐ monthly ☐ bi-monthly ☐ quarterly ☐ semi-annual ☒ annual Report to:

PART A EQUIPMENT AND ALARMS

1. Central station notified / alarms silenced 12:15 AM / (PM) Alarms restored 1:15 AM / (PM)
2. Fire Protection System(s) to be inspected (No., Size, Make, Model) 750 gpm, 4" Fire Metic mt. Simplex 4010

PART B OWNER'S SECTION (to be answered by owner or occupant)

	Yes	N/A**	No*
1. Is the property occupied?	✓		
2. Has the occupancy classification or hazard of contents remained the same since the last inspection?	✓		
3. Is the "fire protection system' in service?	✓		
4. Has the "fire protection system" remained in service without modification or activation since last inspection?	✓		
5. If "no" to 4, all changes to building or system(s) fully reviewed, documented and properly protected.	✓		
6. Has the system been examined internally for obstructions where conditions exist that could cause obstructed piping? Date: 2009	✓		
7. Has the system piping (dry, preaction, deluge) been checked for proper drainage and/or pitch?		✓	
8. Is the "fire protection system" adequately protected from freezing?	✓		
9. Have hazardous locations and materials been identified and safety instructions provided to the technician prior to performing the inspection?	✓		

PART C - TEST NOTIFICATIONS

	PRIOR TO START			UPON COMPLETION		
	Yes	No	Time	Yes	No	Time
Monitoring Entity/Central Station	✓		12:15	✓		1:00
Building Management	✓		12:10	✓		
Building Occupant	✓		12:10	✓		
AHJ/FD						
Other (specify)						
Did alarm central station receive signal properly?	✓		1:00	✓		
Did alarm panel reset properly?	✓		1:00	✓		

PART D - INSPECTION PERFORMED (Copies Attached of Items Checked)

- ☒ Sprinkler System Form
- ☐ Dry Valve Trip Test Report
- ☐ Sprinkler Piping Condition Form
- ☐ Fire Pump Inspection Form
- ☐ _____
- ☐ Standpipe Inspection Form
- ☐ Hydrant Flow Test Form
- ☐ Fire Alarm Detection Form
- ☐ Deluge/Pre-Action Trip Test Report
- ☐ _____
- ☐ Water Storage Tanks Form
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FIRE PROTECTION SYSTEM SUMMARY INSPECTION AND TESTING FORM

Date: 12-20-13 Work Order #: 224134

GENERAL INFORMATION

Site Name: Beckcreek School Owner:
Address: Address:
City: Roanoke State: VA City: State:

Last Inspection Date: 2012 By: FLSA

This inspection is (check one): ☐ monthly ☐ bi-monthly ☐ quarterly ☐ semi-annual ☒ annual Report to:

PART A EQUIPMENT AND ALARMS

1. Central station notified / alarms silenced 12:15 AM / (PM) Alarms restored 1:15 AM / (PM)
2. Fire Protection System(s) to be inspected (No., Size, Make, Model) 750 gpm, 4" Fire Metic wet. Simplex 4010

PART B OWNER'S SECTION (to be answered by owner or occupant)

		Yes	N/A**	No*
1.	Is the property occupied?	✓		
2.	Has the occupancy classification or hazard of contents remained the same since the last inspection?	✓		
3.	Is the "fire protection system" in service?	✓		
4.	Has the "fire protection system" remained in service without modification or activation since last inspection?	✓		
5.	If "no" to 4, all changes to building or system(s) fully reviewed, documented and properly protected.	✓		
6.	Has the system been examined internally for obstructions where conditions exist that could cause obstructed piping? Date: 2009	✓		
7.	Has the system piping (dry, preaction, deluge) been checked for proper drainage and/or pitch?		✓	
8.	Is the "fire protection system" adequately protected from freezing?	✓		
9.	Have hazardous locations and materials been identified and safety instructions provided to the technician prior to performing the inspection?	✓		

PART C - TEST NOTIFICATIONS

	PRIOR TO START			UPON COMPLETION		
	Yes	No	Time	Yes	No	Time
Monitoring Entity/Central Station	✓		12:15	✓		1:00
Building Management	✓		12:10	✓		
Building Occupant	✓		12:10	✓		
AHJ/FD						
Other (specify)						
Did alarm central station receive signal properly?	✓		1:00	✓		
Did alarm panel reset properly?	✓		1:00	✓		

PART D - INSPECTION PERFORMED (Copies Attached of Items Checked)

- ☒ Sprinkler System Form
- ☐ Dry Valve Trip Test Report
- ☐ Sprinkler Piping Condition Form
- ☐ Fire Pump Inspection Form
- ☐ _____
- ☐ Standpipe Inspection Form
- ☐ Hydrant Flow Test Form
- ☐ Fire Alarm Detection Form
- ☐ Deluge/Pre-Action Trip Test Report
- ☐ _____
- ☐ Water Storage Tanks Form
- ☐ Private Fire Service Mains Form
- ☐ Backflow Test Form
- ☐ Addendum to Report of Inspection

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1407 Mill Race Drive Salem, VA 24153
Tel:(540)378-6160 Fax:(540)378-6171

Fire Protection Systems Report of Inspections

Work Order #: _____ Date: 12-20-17

Site Name	Back Creek School	Owner	
Address		Address	
City	Roanoke State VA	City	State
Zip	Phone	Zip	Phone

PART I INSPECTOR'S SECTION (all responses reference current inspection)	Yes	N/A	No
A. General			
1. Is the hydraulic data plate in place, permanently marked and securely attached?	✓		
2. Is the fire department connection(s) in satisfactory condition, couplings free, caps in place,	✓		
check valves tight and accessible and visible?	✓		
3. Has the system check valve(s) been internally inspected within in the last 5 years? (Date 2009)	✓		
4. Is the visible exterior of the system piping in good condition and free from damage? (Date checked 2017)	✓		
5. Are visible hangers in place, securely attached and free of corrosion? (Date checked 2017)	✓		
6. Are system gauges (water/air) in good condition and showing normal pressures?	✓		
7. Were system gauges (water/air) checked against a calibrated gauge or replaced in the last 5 years? (Date 2009)	✓		
B. Wet Systems			
1. Are areas protected by wet systems inside the property properly heated?	✓		
2. There is no leakage from drain pipes indicating problems with retard chambers, alarm drains or main drain?	✓		
3. Are inspection and flow test tags in place and filled out completely?	✓		
4. Was a flow test performed from Inspector's test valve and did the alarms operate?	✓		
5. Are cold weather valves in the appropriate (open) / (closed) position?	✓		
6. Are antifreeze test results satisfactory?		✓	
Test Results: Solution Type _____ Freeze Point _____		✓	
C. Dry Systems (see trip test report dated _____)			
1. Are the air pressure and priming water level in accordance with the manufacturer's instructions?		✓	
2. Is the air (compressor) or nitrogen supply in service and operating properly?		✓	
3. Are quick-opening devices in service? (Semiannual test performed on _____)		✓	
4. Are air maintenance device(s) installed and operating properly?		✓	
5. Is the intermediate chamber free from leakage and the velocity check free & clear?		✓	
6. Were low points drained during this inspection? (Quantity Drained _____) (see Part III.J)		✓	
7. Did the heating equipment in the valve enclosure operate at the time of inspection?		✓	
D. Special Systems (Deluge—Preaction) (see trip test report dated _____)			
1. Did detection devices test satisfactorily during this inspection?		✓	
2. Did the release/activation devices operate properly during detection testing?		✓	
3. Is the air pressure and priming water level for the preaction system in accordance with manufacturer's instructions?		✓	
E. Alarms (Wet, Dry, Preaction & Deluge)			
1. Are the alarm trim valves in the proper position, sealed and/or locked?	✓		
2. Did the water motor and gong/electrical alarms (pressure and water flow) operate properly during testing?	✓		
3. Did the central station/monitoring system receive all alarms?	✓		
4. Did the low/high air alarms for the system piping/detection operate properly?		✓	
5. Did tamper devices operate properly?	✓		
F. Sprinklers			
1. Is the proper clearance maintained between the top of the storage and sprinkler deflector?			
2. Are all sprinklers free from corrosion, loading or obstruction to spray discharge?			
3. Are standard sprinklers in service for less than 50 years / dated after 1920?			
4. Are fast response sprinklers in service for less than 20 years?			
5. Is a spare head cabinet with spare sprinklers and proper wrenches installed at system riser? See Attached V.P.			
6. Are sprinklers near heating devices of proper temperature rating?			
G. Control Valves (see item G.7)			
1. Are sprinkler system control valves in the appropriate position?			
2. Were operating stems of all O.S.&Y. valves lubricated, completely closed and reopened? (Date _____)	✓		
3. Were all control valves operated through full range and returned to normal position? (Date _____)	✓		
4. Are valves free from external leaks?	✓		
5. Are valves properly identified with signs?	✓		
6. Are pressure regulating control valves open, not leaking, maintaining downstream pressure and	✓		
free from physical damage? (Date tested _____)	✓		

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7.

Control Valve Maintenance Table	Number	Type	Open	Secured	Closed	Signs	Tampers	Seal No.	Abnormal Condition
City Connection Control Valve	—								
Tank Control Valves	2	Gate	yes/yes	yes	yes/no	no	no		
Pump Control Valves	4	Butterfly	yes	yes	no	yes	no		
Sectional Control Valves	—								
System Control Valves	1	OSY	yes	yes	no	yes	no		
Other Control Valves	—								
Test Header Control Valve	1	BF	no	yes	yes	yes	no		
Pressure Reducing Control Valve	—								

4. Water Supply Data

	YES	N.A.	NO
1. Was a water flow test of main drain made at sprinkler riser?	X		

2. Water supply pressures:
   a. City 50 psi c. Tank _____ psi
   b. Fire pump 20 psi d. _____ psi

3. Water flow test at sprinkler riser (in psi):

	Test Pipe Location	Size Test Pipe	Static	Residual	Static
a	EAST	2"	60	50	65
b					
c					

	Test Pipe Location	Size Test Pipe	Static	Residual	Static
d					
e					
f					

Explain any no answers and comment [see addendum(s) attached if checked ☐]

(1) water motor gong NO working, Trim stopped up
(2) louvers NOT working in pump room.

5. Adjustments or corrections made during this inspection: NONE

6. This inspection was performed substantially in accordance with NFPA Standard: 25(14th) ☐ 13( ) ☐ ( ) ☐ ( ) ☐ ( ) ☐. Although these comments are not the result of an engineering review, the following desirable improvements are recommended [see addendum(s) attached if checked ☐]

* FLSA Completed Semi-Annual sprinkler inspection

The information on this form is correct at the time and place of my inspection. The "fire protection system" was left in operational condition upon completion of this inspection except as noted above.

This report was reviewed with:

Virginia Sharp (Print Name) Virginia Sharp (Signature) — Technician — 12-20-13 (Date)

Fire & Life Safety America, Inc
1407 Mill Race Drive Salem, VA 24153
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FIRE PROTECTION SYSTEM SUMMARY INSPECTION AND TESTING FORM

Date: 12-23-13 Work Order #: 224134

GENERAL INFORMATION

Site Name: Clear brook Elem School Owner: Roanoke County Schools
Address: 5205 Franklin Rd Address:
City: Roanoke State: VA City: State:

Last Inspection Date: 6-13 By: FLSA

This inspection is (check one): ☐ monthly ☐ bi-monthly ☐ quarterly ☒ semi-annual ☐ annual Report to:

PART A EQUIPMENT AND ALARMS

1. Central station notified / alarms silenced 8:00 ~~AM~~ / PM Alarms restored AM / PM
2. Fire Protection System(s) to be inspected (No., Size, Make, Model) (3") wet System

PART B OWNER'S SECTION (to be answered by owner or occupant)

	Yes	N/A**	No*
1. Is the property occupied?	✓		
2. Has the occupancy classification or hazard of contents remained the same since the last inspection?	✓		
3. Is the "fire protection system' in service?	✓		
4. Has the "fire protection system" remained in service without modification or activation since last inspection?	✓		
5. If "no" to 4, all changes to building or system(s) fully reviewed, documented and properly protected.	✓		
6. Has the system been examined internally for obstructions where conditions exist that could cause obstructed piping? Date: 2011	✓		
7. Has the system piping (dry, preaction, deluge) been checked for proper drainage and/or pitch?	✓		
8. Is the "fire protection system" adequately protected from freezing?	✓		
9. Have hazardous locations and materials been identified and safety instructions provided to the technician prior to performing the inspection?	✓		

PART C - TEST NOTIFICATIONS

	PRIOR TO START			UPON COMPLETION		
	Yes	No	Time	Yes	No	Time
Monitoring Entity/Central Station	✓		8:00	✓		
Building Management	✓		8:00	✓		
Building Occupant	✓		8:00	✓		
AHJ/FD						
Other (specify)						
Did alarm central station receive signal properly?				✓		
Did alarm panel reset properly?				✓		

PART D - INSPECTION PERFORMED (Copies Attached of Items Checked)

- ☒ Sprinkler System Form
- ☐ Dry Valve Trip Test Report
- ☐ Sprinkler Piping Condition Form
- ☐ Fire Pump Inspection Form
- ☐ _____
- ☐ Standpipe Inspection Form
- ☐ Hydrant Flow Test Form
- ☐ Fire Alarm Detection Form
- ☐ Deluge/Pre-Action Trip Test Report
- ☐ _____
- ☐ Water Storage Tanks Form
- ☐ Private Fire Service Mains Form
- ☐ Backflow Test Form
- ☐ Addendum to Report of Inspection

Fire & Life Safety America, Inc
1407 Mill Race Drive Salem, VA 24153
Tel:(540)378-6160 Fax:(540)378-6171

Fire Protection Systems Report of Inspections

Work Order #: _____ Date: 12-23-13

Site Name	Clearbrook Elem School		Owner	Roanoke County Schools	
Address	Franklin Rd		Address		
City	Roanoke	State VA	City		State
Zip	24014	Phone	Zip		Phone

PART I INSPECTOR'S SECTION (all responses reference current inspection)	Yes	N/A	No
A. General			
1. Is the hydraulic data plate in place, permanently marked and securely attached?	✓		
2. Is the fire department connection(s) in satisfactory condition, couplings free, caps in place, check valves tight and accessible and visible?	✓		
3. Has the system check valve(s) been internally inspected within in the last 5 years? (Date 2011)	✓		
4. Is the visible exterior of the system piping in good condition and free from damage? (Date checked 6-13)	✓		
5. Are visible hangers in place, securely attached and free of corrosion? (Date checked 6-13)	✓		
6. Are system gauges (water/air) in good condition and showing normal pressures?	✓		
7. Were system gauges (water/air) checked against a calibrated gauge or replaced in the last 5 years? (Date 2011)	✓		
B. Wet Systems			
1. Are areas protected by wet systems inside the property properly heated?	✓		
2. There is no leakage from drain pipes indicating problems with retard chambers, alarm drains or main drain?	✓		
3. Are inspection and flow test tags in place and filled out completely?	✓		
4. Was a flow test performed from inspector's test valve and did the alarms operate?	✓		
5. Are cold weather valves in the appropriate (open) / (closed) position?		✓	
6. Are antifreeze test results satisfactory?		✓	
Test Results: Solution Type _____ Freeze Point _____			
C. Dry Systems (see trip test report dated N/A)			
1. Are the air pressure and priming water level in accordance with the manufacturer's instructions?		✓	
2. Is the air (compressor) or nitrogen supply in service and operating properly?		✓	
3. Are quick-opening devices in service? (Semiannual test performed on _____)		✓	
4. Are air maintenance device(s) installed and operating properly?		✓	
5. Is the intermediate chamber free from leakage and the velocity check free & clear?		✓	
6. Were low points drained during this inspection? (Quantity Drained _____) (see Part III.J)		✓	
7. Did the heating equipment in the valve enclosure operate at the time of inspection?		✓	
D. Special Systems (Deluge—Preaction) (see trip test report dated N/A)			
1. Did detection devices test satisfactorily during this inspection?		✓	
2. Did the release/activation devices operate properly during detection testing?		✓	
3. Is the air pressure and priming water level for the preaction system in accordance with manufacturer's instructions?		✓	
E. Alarms (Wet, Dry, Preaction & Deluge)			
1. Are the alarm trim valves in the proper position, sealed and/or locked?	✓		
2. Did the water motor and gong/electrical alarms (pressure and water flow) operate properly during testing?	✓		
3. Did the central station/monitoring system receive all alarms?	✓		
4. Did the low/high air alarms for the system piping/detection operate properly?	✓		
5. Did tamper devices operate properly?	✓		
F. Sprinklers			
1. Is the proper clearance maintained between the top of the storage and sprinkler deflector?	✓		
2. Are all sprinklers free from corrosion, loading or obstruction to spray discharge?	✓		
3. Are standard sprinklers in service for less than 50 years / dated after 1920?	✓		
4. Are fast response sprinklers in service for less than 20 years?	✓		
5. Is a spare head cabinet with spare sprinklers and proper wrenches installed at system riser?	✓		
6. Are sprinklers near heating devices of proper temperature rating?	✓		
G. Control Valves (see item G.7)			
1. Are sprinkler system control valves in the appropriate position?	✓		
2. Were operating stems of all O.S.&Y. valves lubricated, completely closed and reopened? (Date 12-13)	✓		
3. Were all control valves operated through full range and returned to normal position? (Date 12-13)	✓		
4. Are valves free from external leaks?	✓		
5. Are valves properly identified with signs?	✓		
6. Are pressure regulating control valves open, not leaking, maintaining downstream pressure and free from physical damage? (Date tested _____)		✓	

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7.

Control Valve Maintenance Table	Number	Type	Open	Secured	Closed	Signs	Tampers	Seal No.	Abnormal Condition
City Connection Control Valve									
Tank Control Valves									
Pump Control Valves									
Sectional Control Valves									
System Control Valves	2	OS&Y	yes	yes	NO	yes	YES		
Other Control Valves									
Test Header Control Valve									
Pressure Reducing Control Valve									

4. Water Supply Data

	YES	N.A.	NO
1. Was a water flow test of main drain made at sprinkler riser?	✓		

2. Water supply pressures:
a. City 120 psi
b. Fire pump N/A psi
c. Tank N/A psi
d. N/A psi

3. Water flow test at sprinkler riser (in psi):

	Test Pipe Location	Size Test Pipe	Static	Residual	Static		Test Pipe Location	Size Test Pipe	Static	Residual	Static
a	Risers	2"	120	105	120	d					
b						e					
c						f					

Explain any no answers and comment (see addendum(s) attached if checked ☐)

J. Adjustments or corrections made during this inspection: None

L. This inspection was performed substantially in accordance with NFPA Standard: 25(V)13( )☐___( )☐___( )☐___( )☐. Although these comments are not the result of an engineering review, the following desirable improvements are recommended (see addendum(s) attached if checked ☐)

The information on this form is correct at the time and place of my inspection. The "fire protection system" was left in operational condition upon completion of this inspection except as noted above.

This report was reviewed with:

By: East Coast Fire Protection, Inc.

Karen L. Pendleton	[signature]	[signature]	12-23-13
Print Name	Signature	Technician	Date

FLSA
FIRE & LIFE SAFETY AMERICA — PROTECTING AMERICA

Service Authorization Agreement No: 106977

Order Date: 12/23/13 Phone:	Customer PO #
FLSA Job No.	Ordered By:
Job Name: Clearbrook Elem School	Bill To:
Job Address: 5205 Franklin Rd Roanoke, VA 24014	Billing Address:
Contact Name: Denis Eppely	Pmt Method: Cash/Chk Visa MC Amex Discover Bill To
Phone:	CC No: Exp Date:
Valve Seal #	CC Signature:

Description of Work: FLSA completed Semi-annual Sprinkler inspection per contract. System was returned to normal operation upon departure

Qty	Materials	Unit Price	Amount	Tech(s)	Date	Job	Lab	Travel
				A. Throm	12-23-13			
				A. Ruble	12-23-13			
					TOTAL			

Return Trip Required: Yes ☐ No ☒

Date Completed: 12/23/13

Office Use Only - Cost Summary	
Total Labor	
Total Materials	
Fuel Charge	
Grand Total	

Limitation of Liability: FLSA's liability to Customer shall extend only to personal injury, death, or property damage arising from performance under this Agreement and shall be limited to the payments made to FLSA under this Agreement. Customer shall hold FLSA harmless from any and all third party claims for personal injury, death or property damage arising from Customer's failure to maintain its premises, including but not limited to damages to the fire protection system or Customer's property caused by water leakage, freezing pipes, loss of power, acts of God or other similar causes beyond the control of FLSA. In no event shall FLSA be liable for any special, indirect, incidental, consequential or any other damages of any character, including but not limited to the loss of use of the Customer's property, lost profits or lost production, whether claimed by Customer or by any third party, irrespective of whether claims or actions for such damages are based upon contract, warranty, negligence, tort, strict liability or otherwise

DISCLAIMER OF WARRANTIES: FLSA HEREBY DISCLAIMS ANY AND ALL WARRANTIES NOT EXPRESSLY STATED HEREIN, INCLUDING WARRANTIES OF MERCHANTIBILITY OR FITNESS FOR A PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES AND IN NO EVENT SHALL FLSA BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR LOST PROFITS INCURRED BY CUSTOMER, WHETHER OR NOT FLSA RECEIVES NOTICE OF THE POTENTIAL FOR SUCH DAMAGES. NOTWITHSTANDING THE FOREGOING, ANY LIABILITY INCURRED BY FLSA SHALL BE LIMITED TO THE AMOUNT OF GOODS AND SERVICES PURCHASED BY CUSTOMER AND CONTAINED WITHIN THIS AGREEMENT.

TERMS AND CONDITIONS ON THE REVERSE SIDE ARE AN INTEGRAL PART OF THIS WORK ORDER. CLIENT ACKNOWLEDGES RECEIPT OF A COPY OF THIS WORK ORDER AND HAS READ THE FRONT AND REVERSE SIDE OF THIS WORK ORDER.

By signing below, the Customer hereby authorizes FLSA to perform the Work described above and certifies that: (i) the information provided above and/or attached to this Agreement is true, accurate, and complete to the best of Customer's knowledge; (ii) the signor has the authority to authorize the Work requested pursuant to this Agreement; and (iii) the Customer has read this entire Agreement and agrees to comply with and by bound by the terms and conditions contained herein.

Customer: Clearbrook Elementary

Signature: Karen W Pendleton

Print Name: Karen W Pendleton

Title: Principal

Date: 12/23/13

Form 4.5.07

White - Office Yellow - Customer Pink - Technician

Fire & Life Safety America, Inc
1407 Mill Race Drive Salem, VA 24153
Tel: (540)378-6160 Fax: (540)378-6171

FIRE PROTECTION SYSTEM SUMMARY INSPECTION AND TESTING FORM

Date: 12-23-13 Work Order #: 224134

GENERAL INFORMATION

Site Name: Oak Grove Elem School Owner: Roanoke County Schools
Address: 5005 Grandin Rd Ext Address:
City: Roanoke State: VA City: State:

Last Inspection Date: 6-13 By: FLSA

This inspection is (check one): ☐ monthly ☐ bi-monthly ☐ quarterly ☒ semi-annual ☐ annual Report to: Dennis Eggerly

PART A EQUIPMENT AND ALARMS

1. Central station notified / alarms silenced N/A AM / PM Alarms restored N/A AM / PM
2. Fire Protection System(s) to be inspected (No., Size, Make, Model) (1) 2" Domestic wet system (1) 1" Domestic wet system (1) 1½" Domestic wet system.

PART B OWNER'S SECTION (to be answered by owner or occupant)

		Yes	N/A**	No*
1.	Is the property occupied?	✓		
2.	Has the occupancy classification or hazard of contents remained the same since the last inspection?	✓		
3.	Is the "fire protection system' in service?	✓		
4.	Has the "fire protection system" remained in service without modification or activation since last inspection?	✓		
5.	If "no" to 4, all changes to building or system(s) fully reviewed, documented and properly protected.	✓		
6.	Has the system been examined internally for obstructions where conditions exist that could cause obstructed piping? Date: N/A		✓	
7.	Has the system piping (dry, preaction, deluge) been checked for proper drainage and/or pitch?	✓		
8.	Is the "fire protection system" adequately protected from freezing?	✓		
9.	Have hazardous locations and materials been identified and safety instructions provided to the technician prior to performing the inspection?	✓		

PART C - TEST NOTIFICATIONS

	PRIOR TO START			UPON COMPLETION		
	Yes	No	Time	Yes	No	Time
Monitoring Entity/Central Station	N/A					
Building Management						
Building Occupant	✓		1:15	✓		
AHJ/FD						
Other (specify)						
Did alarm central station receive signal properly?						
Did alarm panel reset properly?						

PART D - INSPECTION PERFORMED (Copies Attached of Items Checked)

- ☒ Sprinkler System Form
- ☐ Dry Valve Trip Test Report
- ☐ Sprinkler Piping Condition Form
- ☐ Fire Pump Inspection Form
- ☐ _____
- ☐ Standpipe Inspection Form
- ☐ Hydrant Flow Test Form
- ☐ Fire Alarm Detection Form
- ☐ Deluge/Pre-Action Trip Test Report
- ☐ _____
- ☐ Water Storage Tanks Form
- ☐ Private Fire Service Mains Form
- ☐ Backflow Test Form
- ☐ Addendum to Report of Inspection

Fire & Life Safety America, Inc
1407 Mill Race Drive Salem, VA 24153
Tel:(540)378-6160 Fax:(540)378-6171

Fire Protection Systems Report of Inspections

Work Order #: _____ Date: 12-23-13

Site Name Oak Grove Elem School Owner Roanoke County Schools
Address 5005 Franklin Rd Ext Address
City Roanoke State VA City State
Zip Phone Zip Phone

PART I INSPECTOR'S SECTION (all responses reference current inspection)	Yes	N/A	No
A. General			
1. Is the hydraulic data plate in place, permanently marked and securely attached?	✓		
2. Is the fire department connection(s) in satisfactory condition, couplings free, caps in place, check valves tight and accessible and visible?		✓	
3. Has the system check valve(s) been internally inspected within in the last 5 years? (Date ~~_____~~)		✓	
4. Is the visible exterior of the system piping in good condition and free from damage? (Date checked 6-13)	✓		
5. Are visible hangers in place, securely attached and free of corrosion? (Date checked 6-13)	✓		
6. Are system gauges (water/air) in good condition and showing normal pressures?	✓	✓	
7. Were system gauges (water/air) checked against a calibrated gauge or replaced in the last 5 years? (Date _____)		✓	
B. Wet Systems			
1. Are areas protected by wet systems inside the property properly heated?	✓		
2. There is no leakage from drain pipes indicating problems with retard chambers, alarm drains or main drain?	✓		
3. Are inspection and flow test tags in place and filled out completely?	✓		
4. Was a flow test performed from inspector's test valve and did the alarms operate?	✓		
5. Are cold weather valves in the appropriate (open) / (closed) position?		✓	
6. Are antifreeze test results satisfactory?		✓	
Test Results: Solution Type _____ Freeze Point _____			
C. Dry Systems (see trip test report dated N/A)			
1. Are the air pressure and priming water level in accordance with the manufacturer's instructions?		✓	
2. Is the air (compressor) or nitrogen supply in service and operating properly?		✓	
3. Are quick-opening devices in service? (Semiannual test performed on _____)		✓	
4. Are air maintenance device(s) installed and operating properly?		✓	
5. Is the intermediate chamber free from leakage and the velocity check free & clear?		✓	
6. Were low points drained during this inspection? (Quantity Drained _____) (see Part III.J)		✓	
7. Did the heating equipment in the valve enclosure operate at the time of inspection?		✓	
D. Special Systems (Deluge—Preaction) (see trip test report dated N/A)			
1. Did detection devices test satisfactorily during this inspection?		✓	
2. Did the release/activation devices operate properly during detection testing?		✓	
3. Is the air pressure and priming water level for the preaction system in accordance with manufacturer's instructions?		✓	
E. Alarms (Wet, Dry, Preaction & Deluge)			
1. Are the alarm trim valves in the proper position, sealed and/or locked?	✓		
2. Did the water motor and gong/electrical alarms (pressure and water flow) operate properly during testing?		✓	
3. Did the central station/monitoring system receive all alarms?		✓	
4. Did the low/high air alarms for the system piping/detection operate properly?		✓	
5. Did tamper devices operate properly?	✓		
F. Sprinklers			
1. Is the proper clearance maintained between the top of the storage and sprinkler deflector?	✓		
2. Are all sprinklers free from corrosion, loading or obstruction to spray discharge?	✓		
3. Are standard sprinklers in service for less than 50 years / dated after 1920?	✓		
4. Are fast response sprinklers in service for less than 20 years?	✓		
5. Is a spare head cabinet with spare sprinklers and proper wrenches installed at system riser?	✓		
6. Are sprinklers near heating devices of proper temperature rating?	✓		
G. Control Valves (see item G.7)			
1. Are sprinkler system control valves in the appropriate position?	✓		
2. Were operating stems of all O.S.&Y. valves lubricated, completely closed and reopened? (Date N/A)		✓	
3. Were all control valves operated through full range and returned to normal position? (Date 12-23-13)	✓		
4. Are valves free from external leaks?	✓		
5. Are valves properly identified with signs?	✓		
6. Are pressure regulating control valves open, not leaking, maintaining downstream pressure and free from physical damage? (Date tested _____)		✓	

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7.

Control Valve Maintenance Table	Number	Type	Open	Secured	Closed	Signs	Tampers	Seal No.	Abnormal Condition
City Connection Control Valve									
Tank Control Valves									
Pump Control Valves									
Sectional Control Valves									
System Control Valves	6	Ball	yes	yes	NO	yes	yes		
Other Control Valves									
Test Header Control Valve									
Pressure Reducing Control Valve									

8. Water Supply Data

	YES	N.A.	NO
1. Was a water flow test of main drain made at sprinkler riser?	✓		

2. Water supply pressures:
a. City N/A psi   c. Tank N/A psi
b. Fire pump N/A psi   d. N/A psi

3. Water flow test at sprinkler riser (in psi):

	Test Pipe Location	Size Test Pipe	Static	Residual	Static		Test Pipe Location	Size Test Pipe	Static	Residual	Static
a	N/A					d	N/A				
b						e					
c						f					

Explain any "no" answers and comment (see addendum(s) attached if checked ☐)

9. Adjustments or corrections made during this inspection: NONE

10. This inspection was performed substantially in accordance with NFPA Standard: 25(14)~~'13~~ ( )☐___( )☐___( )☐___( )☐. Although these comments are not the result of an engineering review, the following desirable improvements are recommended (see addendum(s) attached if checked ☐)

The information on this form is correct at the time and place of my inspection. The "fire protection system" was left in operational condition upon completion of this inspection except as noted above.

This report was reviewed with:

By: East Coast Fire Protection, Inc.

Kimberly M. Bradshaw — Print Name   [signature] — Signature   [signature] — Technician   12-23-13 — Date

Fire & Life Safety America, Inc
1407 Mill Race Drive Salem, VA 24153
Tel:(540)378-6160 Fax:(540)378-6171

Fire Protection Systems Report of Inspections

Work Order #: _____ Date: 12-23-13

Site Name	Clearbrook Elem School		Owner	Roanoke County Schools	
Address	Franklin Rd		Address		
City	Roanoke	State VA	City		State
Zip	24014	Phone	Zip		Phone

PART I INSPECTOR'S SECTION (all responses reference current inspection)	Yes	N/A	No
A. General			
1. Is the hydraulic data plate in place, permanently marked and securely attached?	✓		
2. Is the fire department connection(s) in satisfactory condition, couplings free, caps in place,			
check valves tight and accessible and visible?	✓		
3. Has the system check valve(s) been internally inspected within in the last 5 years? (Date 2011)	✓		
4. Is the visible exterior of the system piping in good condition and free from damage? (Date checked 6-13)	✓		
5. Are visible hangers in place, securely attached and free of corrosion? (Date checked 6-13)	✓		
6. Are system gauges (water/air) in good condition and showing normal pressures?	✓		
7. Were system gauges (water/air) checked against a calibrated gauge or replaced in the last 5 years? (Date 2011)	✓		
B. Wet Systems			
1. Are areas protected by wet systems inside the property properly heated?	✓		
2. There is no leakage from drain pipes indicating problems with retard chambers, alarm drains or main drain?	✓		
3. Are inspection and flow test tags in place and filled out completely?	✓		
4. Was a flow test performed from Inspector's test valve and did the alarms operate?	✓		
5. Are cold weather valves in the appropriate (open) / (closed) position?		✓	
6. Are antifreeze test results satisfactory?		✓	
Test Results: Solution Type _____ Freeze Point _____			
C. Dry Systems (see trip test report dated N/A)			
1. Are the air pressure and priming water level in accordance with the manufacturer's instructions?		✓	
2. Is the air (compressor) or nitrogen supply in service and operating properly?		✓	
3. Are quick-opening devices in service? (Semiannual test performed on _____)		✓	
4. Are air maintenance device(s) installed and operating properly?		✓	
5. Is the intermediate chamber free from leakage and the velocity check free & clear?		✓	
6. Were low points drained during this inspection? (Quantity Drained _____) (see Part III.J)		✓	
7. Did the heating equipment in the valve enclosure operate at the time of inspection?		✓	
D. Special Systems (Deluge—Preaction) (see trip test report dated N/A)			
1. Did detection devices test satisfactorily during this inspection?		✓	
2. Did the release/activation devices operate properly during detection testing?		✓	
3. Is the air pressure and priming water level for the preaction system in accordance with manufacturer's instructions?		✓	
E. Alarms (Wet, Dry, Preaction & Deluge)			
1. Are the alarm trim valves in the proper position, sealed and/or locked?	✓		
2. Did the water motor and gong/electrical alarms (pressure and water flow) operate properly during testing?	✓		
3. Did the central station/monitoring system receive all alarms?	✓		
4. Did the low/high air alarms for the system piping/detection operate properly?	✓		
5. Did tamper devices operate properly?	✓		
F. Sprinklers			
1. Is the proper clearance maintained between the top of the storage and sprinkler deflector?	✓		
2. Are all sprinklers free from corrosion, loading or obstruction to spray discharge?	✓		
3. Are standard sprinklers in service for less than 50 years / dated after 1920?	✓		
4. Are fast response sprinklers in service for less than 20 years?	✓		
5. Is a spare head cabinet with spare sprinklers and proper wrenches installed at system riser?	✓		
6. Are sprinklers near heating devices of proper temperature rating?	✓		
G. Control Valves (see item G.7)			
1. Are sprinkler system control valves in the appropriate position?	✓		
2. Were operating stems of all O.S.&Y. valves lubricated, completely closed and reopened? (Date 12-13)	✓		
3. Were all control valves operated through full range and returned to normal position? (Date 12-13)	✓		
4. Are valves free from external leaks?	✓		
5. Are valves properly identified with signs?	✓		
6. Are pressure regulating control valves open, not leaking, maintaining downstream pressure and			
free from physical damage? (Date tested _____)		✓	

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7.

Control Valve Maintenance Table	Number	Type	Open	Secured	Closed	Signs	Tampers	Seal No.	Abnormal Condition
City Connection Control Valve									
Tank Control Valves									
Pump Control Valves									
Sectional Control Valves									
System Control Valves	2	OS&Y	YES	YES	NO	YES	YES		
Other Control Valves									
Test Header Control Valve									
Pressure Reducing Control Valve									

4. Water Supply Data

	YES	N.A.	NO
1. Was a water flow test of main drain made at sprinkler riser?	✓		

2. Water supply pressures:
   a. City 120 psi
   b. Fire pump N/A psi
   c. Tank N/A psi
   d. N/A psi

3. Water flow test at sprinkler riser (in psi):

	Test Pipe Location	Size Test Pipe	Static	Residual	Static
a.	Riser	2"	120	105	120
b.					
c.					

	Test Pipe Location	Size Test Pipe	Static	Residual	Static
d.					
e.					
f.					

Explain any no answers and comment (see addendum(s) attached if checked ☐)

5. Adjustments or corrections made during this inspection: NONE

( ) This inspection was performed substantially in accordance with NFPA Standard: 25(W)(B)13( )☐___( )☐___( )☐___( )☐___( )☐. Although these comments are not the result of an engineering review, the following desirable improvements are recommended (see addendum(s) attached if checked ☐)

The information on this form is correct at the time and place of my inspection. The "fire protection system" was left in operational condition upon completion of this inspection except as noted above.

This report was reviewed with: Karen L. Pendleton

By: East Coast Fire Protection, Inc.

Print Name	Signature	Technician	Date
Karen L. Pendleton	K. L. Pendleton		12-23-17

FLSA Fire & Life Safety America — Protecting America

Service Authorization Agreement No: 106977

Order Date: 12/23/13 Phone:	Customer PO #
FLSA Job No.	Ordered By:
Job Name: Clearbrook Elem School S	Bill To:
Job Address: 5205 Franklin Rd	Billing Address:
Roanoke, VA 24014	
Contact Name: Dennis Epperly	Pmt Method: Cash/Chk Visa MC Amex Discover Bill To
Phone:	CC No: Exp Date:
Valve Seal #	CC Signature:

Description of Work: FLSA completed Semi-annual Sprinkler inspection per Contract. System was returned to normal opperation upon departure

Qty	Materials	Unit Price	Amount	Tech(s)	Date on Job	ST	OT	Travel
	N/A			A. Throm	12-23-13			
				A. Ruble	12-23-13			
					TOTAL			

Return Trip Required: Yes ☐ No ☒

Date Completed: 12/23/13

Office Use Only - Cost Summary

Total Labor	
Total Materials	
Fuel Charge	
Grand Total	

Limitation of Liability: FLSA's liability to Customer shall extend only to personal injury, death, or property damage arising from performance under this Agreement and shall be limited to the payments made to FLSA under this Agreement. Customer shall hold FLSA harmless from any and all third party claims for personal injury, death or property damage arising from Customer's failure to maintain its premises, including but not limited to damages to the fire protection system or Customer's property caused by water leakage, freezing pipes, loss of power, acts of God or other similar causes beyond the control of FLSA. In no event shall FLSA be liable for any special, indirect, incidental, consequential or any other damages of any character, including but not limited to the loss of use of the Customer's property, lost profits or lost production, whether claimed by Customer or by any third party, irrespective of whether claims or actions for such damages are based upon contract, warranty, negligence, tort, strict liability or otherwise

DISCLAIMER OF WARRANTIES: FLSA HEREBY DISCLAIMS ANY AND ALL WARRANTIES NOT EXPRESSLY STATED HEREIN, INCLUDING WARRANTIES OF MERCHANTIBILITY OR FITNESS FOR A PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES AND IN NO EVENT SHALL FLSA BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR LOST PROFITS INCURRED BY CUSTOMER, WHETHER OR NOT FLSA RECEIVES NOTICE OF THE POTENTIAL FOR SUCH DAMAGES. NOTWITHSTANDING THE FOREGOING, ANY LIABILITY INCURRED BY FLSA SHALL BE LIMITED TO THE AMOUNT OF GOODS AND SERVICES PURCHASED BY CUSTOMER AND CONTAINED WITHIN THIS AGREEMENT.

TERMS AND CONDITIONS ON THE REVERSE SIDE ARE AN INTEGRAL PART OF THIS WORK ORDER. CLIENT ACKNOWLEDGES RECEIPT OF A COPY OF THIS WORK ORDER AND HAS READ THE FRONT AND REVERSE SIDE OF THIS WORK ORDER.

By signing below, the Customer hereby authorizes FLSA to perform the Work described above and certifies that: (i) the information provided above and/or attached to this Agreement is true, accurate, and complete to the best of Customer's knowledge; (ii) the signor has the authority to authorize the Work requested pursuant to this Agreement; and (iii) the Customer has read this entire Agreement and agrees to comply with and by bound by the terms and conditions contained herein.

Customer: Clearbrook Elementary

Signature: [signature]

Print Name: Karen W Pendleton

Title: Principal

Date: 12/23/13

Form 4.5.07

White - Office Yellow - Customer Pink - Technician

Fire & Life Safety America, Inc
1407 Mill Race Drive Salem, VA 24153
Tel: (540)378-6160 Fax: (540)378-6171

FIRE PROTECTION SYSTEM SUMMARY INSPECTION AND TESTING FORM

Date: 12-23-13 Work Order #: 224134

GENERAL INFORMATION

Site Name: Oak Grove Elem School Owner: Roanoke County Schools
Address: 5005 Grandin Rd Ext Address:
City: Roanoke State: VA City: State:

Last Inspection Date: 6-13 By: FLSA

This inspection is (check one): ☐ monthly ☐ bi-monthly ☐ quarterly ☒ semi-annual ☐ annual Report to: Dennis Eggerly

PART A EQUIPMENT AND ALARMS

1. Central station notified / alarms silenced N/A AM / PM Alarms restored N/A AM / PM
2. Fire Protection System(s) to be inspected (No., Size, Make, Model) (1) 2" Domestic wet system (1) 1" Domestic wet system (1) 1½" Domestic wet system.

PART B OWNER'S SECTION (to be answered by owner or occupant)

		Yes	N/A**	No*
1.	Is the property occupied?	✓		
2.	Has the occupancy classification or hazard of contents remained the same since the last inspection?	✓		
3.	Is the "fire protection system' in service?	✓		
4.	Has the "fire protection system" remained in service without modification or activation since last inspection?	✓		
5.	If "no" to 4, all changes to building or system(s) fully reviewed, documented and properly protected.	✓		
6.	Has the system been examined internally for obstructions where conditions exist that could cause obstructed piping? Date: N/A		✓	
7.	Has the system piping (dry, preaction, deluge) been checked for proper drainage and/or pitch?	✓		
8.	Is the "fire protection system" adequately protected from freezing?	✓		
9.	Have hazardous locations and materials been identified and safety instructions provided to the technician prior to performing the inspection?	✓		

PART C - TEST NOTIFICATIONS

	PRIOR TO START			UPON COMPLETION		
	Yes	No	Time	Yes	No	Time
Monitoring Entity/Central Station	N/A					
Building Management						
Building Occupant	✓		1:15	✓		
AHJ/FD						
Other (specify)						
Did alarm central station receive signal properly?						
Did alarm panel reset properly?						

PART D - INSPECTION PERFORMED (Copies Attached of Items Checked)

- ☒ Sprinkler System Form
- ☐ Dry Valve Trip Test Report
- ☐ Sprinkler Piping Condition Form
- ☐ Fire Pump Inspection Form
- ☐ _____
- ☐ Standpipe Inspection Form
- ☐ Hydrant Flow Test Form
- ☐ Fire Alarm Detection Form
- ☐ Deluge/Pre-Action Trip Test Report
- ☐ _____
- ☐ Water Storage Tanks Form
- ☐ Private Fire Service Mains Form
- ☐ Backflow Test Form
- ☐ Addendum to Report of Inspection

Fire & Life Safety America, Inc
1407 Mill Race Drive Salem, VA 24153
Tel:(540)378-6160 Fax:(540)378-6171

Fire Protection Systems Report of Inspections

Work Order #: _____ Date: 12-23-13

Site Name Oak Grove Elem School Owner Roanoke County Schools
Address 5005 Brandin Rd Ext Address
City Roanoke State VA City State
Zip Phone Zip Phone

PART I INSPECTOR'S SECTION (all responses reference current inspection)	Yes	N/A	No
A. General			
1. Is the hydraulic data plate in place, permanently marked and securely attached?	✓		
2. Is the fire department connection(s) in satisfactory condition, couplings free, caps in place, check valves tight and accessible and visible?		✓	
3. Has the system check valve(s) been internally inspected within in the last 5 years? (Date ~~_____~~)		✓	
4. Is the visible exterior of the system piping in good condition and free from damage? (Date checked 6-13)	✓		
5. Are visible hangers in place, securely attached and free of corrosion? (Date checked 6-13)	✓		
6. Are system gauges (water/air) in good condition and showing normal pressures?	✓	✓	
7. Were system gauges (water/air) checked against a calibrated gauge or replaced in the last 5 years? (Date _____)		✓	
B. Wet Systems			
1. Are areas protected by wet systems inside the property properly heated?	✓		
2. There is no leakage from drain pipes indicating problems with retard chambers, alarm drains or main drain?	✓		
3. Are inspection and flow test tags in place and filled out completely?	✓		
4. Was a flow test performed from inspector's test valve and did the alarms operate?	✓		
5. Are cold weather valves in the appropriate (open) / (closed) position?		✓	
6. Are antifreeze test results satisfactory?		✓	
Test Results: Solution Type _____ Freeze Point _____			
C. Dry Systems (see trip test report dated N/A)			
1. Are the air pressure and priming water level in accordance with the manufacturer's instructions?		✓	
2. Is the air (compressor) or nitrogen supply in service and operating properly?		✓	
3. Are quick-opening devices in service? (Semiannual test performed on _____)		✓	
4. Are air maintenance device(s) installed and operating properly?		✓	
5. Is the intermediate chamber free from leakage and the velocity check free & clear?		✓	
6. Were low points drained during this inspection? (Quantity Drained _____) (see Part III.J)		✓	
7. Did the heating equipment in the valve enclosure operate at the time of inspection?		✓	
D. Special Systems (Deluge—Preaction) (see trip test report dated N/A)			
1. Did detection devices test satisfactorily during this inspection?		✓	
2. Did the release/activation devices operate properly during detection testing?		✓	
3. Is the air pressure and priming water level for the preaction system in accordance with manufacturer's instructions?		✓	
E. Alarms (Wet, Dry, Preaction & Deluge)			
1. Are the alarm trim valves in the proper position, sealed and/or locked?	✓		
2. Did the water motor and gong/electrical alarms (pressure and water flow) operate properly during testing?		✓	
3. Did the central station/monitoring system receive all alarms?		✓	
4. Did the low/high air alarms for the system piping/detection operate properly?		✓	
5. Did tamper devices operate properly?	✓		
F. Sprinklers			
1. Is the proper clearance maintained between the top of the storage and sprinkler deflector?	✓		
2. Are all sprinklers free from corrosion, loading or obstruction to spray discharge?	✓		
3. Are standard sprinklers in service for less than 50 years / dated after 1920?	✓		
4. Are fast response sprinklers in service for less than 20 years?	✓		
5. Is a spare head cabinet with spare sprinklers and proper wrenches installed at system riser?	✓		
6. Are sprinklers near heating devices of proper temperature rating?	✓		
G. Control Valves (see item G.7)			
1. Are sprinkler system control valves in the appropriate position?	✓		
2. Were operating stems of all O.S.&Y. valves lubricated, completely closed and reopened? (Date N/A)		✓	
3. Were all control valves operated through full range and returned to normal position? (Date 12-23-13)	✓		
4. Are valves free from external leaks?	✓		
5. Are valves properly identified with signs?	✓		
6. Are pressure regulating control valves open, not leaking, maintaining downstream pressure and free from physical damage? (Date tested _____)		✓	

ISO 9001:2008 Certified

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7.

Control Valve Maintenance Table	Number	Type	Open	Secured	Closed	Signs	Tampers	Seal No.	Abnormal Condition
City Connection Control Valve									
Tank Control Valves									
Pump Control Valves									
Sectional Control Valves									
System Control Valves	6	Ball	YES	YES	NO	YES	YES		
Other Control Valves									
Test Header Control Valve									
Pressure Reducing Control Valve									

4: Water Supply Data

	YES	N.A.	NO
1. Was a water flow test of main drain made at sprinkler riser?	✓		

2. Water supply pressures:
   a. City N/A psi
   b. Fire pump N/A psi
   c. Tank N/A psi
   d. N/A psi

3. Water flow test at sprinkler riser (in psi):

	Test Pipe Location	Size Test Pipe	Static	Residual	Static
a		N/A	N/A		
b					
c					

	Test Pipe Location	Size Test Pipe	Static	Residual	Static
d		N/A	N/A		
e					
f					

Explain any no answers and comment (see addendum(s) attached if checked ☐)

). Adjustments or corrections made during this inspection: NONE

(. This inspection was performed substantially in accordance with NFPA Standard: 25(14)(13( )☐___( )☐___( )☐___( )☐. Although these comments are not the result of an engineering review, the following desirable improvements are recommended (see addendum(s) attached if checked ☐)

The information on this form is correct at the time and place of my inspection. The "fire protection system" was left in operational condition upon completion of this inspection except as noted above.

This report was reviewed with:

Kimberly M. Bradshaw — Print Name

Signature

By: East Coast Fire Protection, Inc.

Technician

12-23-13 — Date

FLSA
FIRE & LIFE SAFETY AMERICA — PROTECTING AMERICA

Service Authorization Agreement No: 106979

Order Date: 12/23/13 Phone:	Customer PO #
FLSA Job No.	Ordered By:
Job Name: Oak Grove Elem School	Bill To:
Job Address: 5005 Grandin Rd Ext Roanoke, VA	Billing Address:
Contact Name: Dennis Epperly	Pmt Method: Cash/Chk Visa MC Amex Discover Bill To
Phone:	CC No: Exp Date:
Valve Seal #	CC Signature:

Description of Work: FLSA completed quarterly sprinkler inspection per contract. All systems was normal upon departure.

Qty	Materials	Unit Price	Amount	Tech(s)	Date on Job	Start	Stop	Travel
				A. Thron	12/23/13	C		
				D. Reble	12/23/13			
					TOTAL			

Return Trip Required: Yes ☐ No ☑

Date Completed: 12/23/13

Office Use Only - Cost Summary	
Total Labor	
Total Materials	
Fuel Charge	
Grand Total	

Limitation of Liability: FLSA's liability to Customer shall extend only to personal injury, death, or property damage arising from performance under this Agreement and shall be limited to the payments made to FLSA under this Agreement. Customer shall hold FLSA harmless from any and all third party claims for personal injury, death or property damage arising from Customer's failure to maintain its premises, including but not limited to damages to the fire protection system or Customer's property caused by water leakage, freezing pipes, loss of power, acts of God or other similar causes beyond the control of FLSA. In no event shall FLSA be liable for any special, indirect, incidental, consequential or any other damages of any character, including but not limited to the loss of use of the Customer's property, lost profits or lost production, whether claimed by Customer or by any third party, irrespective of whether claims or actions for such damages are based upon contract, warranty, negligence, tort, strict liability or otherwise

DISCLAIMER OF WARRANTIES: FLSA HEREBY DISCLAIMS ANY AND ALL WARRANTIES NOT EXPRESSLY STATED HEREIN, INCLUDING WARRANTIES OF MERCHANTIBILITY OR FITNESS FOR A PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES AND IN NO EVENT SHALL FLSA BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR LOST PROFITS INCURRED BY CUSTOMER, WHETHER OR NOT FLSA RECEIVES NOTICE OF THE POTENTIAL FOR SUCH DAMAGES. NOTWITHSTANDING THE FOREGOING, ANY LIABILITY INCURRED BY FLSA SHALL BE LIMITED TO THE AMOUNT OF GOODS AND SERVICES PURCHASED BY CUSTOMER AND CONTAINED WITHIN THIS AGREEMENT.

TERMS AND CONDITIONS ON THE REVERSE SIDE ARE AN INTEGRAL PART OF THIS WORK ORDER. CLIENT ACKNOWLEDGES RECEIPT OF A COPY OF THIS WORK ORDER AND HAS READ THE FRONT AND REVERSE SIDE OF THIS WORK ORDER.

By signing below, the Customer hereby authorizes FLSA to perform the Work described above and certifies that: (i) the information provided above and/or attached to this Agreement is true, accurate, and complete to the best of Customer's knowledge; (ii) the signor has the authority to authorize the Work requested pursuant to this Agreement; and (iii) the Customer has read this entire Agreement and agrees to comply with and by bound by the terms and conditions contained herein.

Customer: Kimberly Bradshaw

Signature:

Print Name:

Title:

Date:

Form 4.5.07

White - Office Yellow - Customer Pink - Technician

ISO 9001:2008 Certified

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224134

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Date: 12-23-13 Inspection Contract #: _____

Fire Protection System Summary Inspection and Testing Form

- ☐ Raleigh Division - 7711 Welborn Street, Suite 103; Raleigh, NC 27615 (919) 872-3250
- ☐ Charlotte Division - 381 Industrial Court; Concord, NC 28025 (877) 855-7981
- ☐ Richmond Divison - 3017 Vernon Road; Richmond, VA 23228 (804) 222-1381
- ☐ Tidewater Division - 1113 Cavalier Blvd.; Chesapeake, VA 23323 (757)485-7486
- ☐ Atlanta Division- 5695 Oakbrook Pkwy., Suite E; Norcross, GA 30093 (770)448-4700
- ☒ Roanoke Division - 1407 Mill Race Drive; Salem, VA 24153 (540)378-6160
- ☐ N.VA Division- 14101 Sullyfield Circle, Suite 300; Chantilly, VA 20151 (703)502-0397
- ☐ Baltimore/Washington Division - 7526 Connelley Drive, Suite L; Hanover, MD 21076 (800) 252-7233

GENERAL INFORMATION

Property Name: Mtn. View Elementary Owner: Same

Address: Mtn View School Rd Billing Address: _____

City: Roanoke State: VA Zip: _____ City: _____ State: ____ Zip: _____

Last Inspection Date: 2013 By: FLSA

This inspection is (check one): ☐ monthly ☐ bimonthly ☐ quarterly ☒ semiannual ☐ annual Report to: OFFICE

PART A EQUIPMENT AND ALARMS

1. Central station notified/alarms silenced N/A AM/PM; alarms restored N/A AM/PM
2. Fire Protection System(s) to be inspected (No., Size, Make, Model) 4- 1" WET SYSTEMS

PART B OWNER'S SECTION (to be answered by owner or occupant)

	Yes	N/A**	No*
1. Is the property occupied?	✓		
2. Has the occupancy classification or hazard of contents remained the same since the last inspection?	✓		
3. Is the "fire protection system" in service?	✓		
4. Has the "fire protection system" remained in service without modification or activation since last inspection?	✓		
5. If "no" to 4, all changes to building or system(s) fully reviewed, documented and properly protected.		✓	
6. Has the system been examined internally for obstructions where conditions exist that could cause obstructed piping? (Date ?)			✓
7. Has the system piping (dry, preaction, deluge) been checked for proper drainage and/or pitch?		✓	
8. Is the "fire protection system" adequately protected from freezing?	✓		
9. Have hazardous locations and materials been identified and safety instructions provided to the technician prior to performing the inspection?		✓	

PART C - TEST NOTIFICATIONS

	PRIOR TO START Yes	No	Time	UPON COMPLETION Yes	No	Time
Monitoring Entity/Central Station						
Building Management	✓		12:15	✓		1:15
Building Occupant	✓		12:15	✓		1:15
AHJ/FD						
Other (specify) _____						
Did alarm central station receive signal properly?					✓	
Did alarm panel reset properly?						

PART D - INSPECTION PERFORMED (Copies Attached of Items Checked)

- ☒ Sprinkler System Form
- ☐ Dry Valve Trip Test Report
- ☐ Sprinkler Piping Condition Form
- ☐ Fire Pump Inspection Form
- ☐ Standpipe Inspection Form
- ☐ Hydrant Flow Test Form
- ☐ Fire Alarm Detection Form
- ☐ Deluge/Pre-Action Trip Test Report
- ☐ Water Storage Tanks Form
- ☐ Private Fire Service Mains Form
- ☐ Backflow Test Form
- ☐ Addendum to Report of Inspection

Fire & Life Safety America, Inc
1407 Mill Race Drive, Salem, VA 24153
Tel: (540) 378-6160 Fax: (540) 378-6171
http://flsamerica.com

Fire Protection Systems Report of Inspections

Work Order #: _____ Date: 12-23-13

Site Name	Mtn. View Elementary		Owner	SAME	
Address	Mtn View School Rd		Address		
City	Roanoke	State VA	City		State
Zip		Phone	Zip		Phone

PART I INSPECTOR'S SECTION (all responses reference current inspection)	Yes	N/A	No
A. General			
1. Is the hydraulic data plate in place, permanently marked and securely attached?	☐	☒	☐
2. Is the fire department connection(s) in satisfactory condition, couplings free, caps in place, check valves tight and accessible and visible?	☐	☒	☐
3. Has the system check valve(s) been internally inspected within in the last 5 years? (Date ?)	☐	☐	☒
4. Is the visible exterior of the system piping in good condition and free from damage? (Date checked _____)	☒	☐	☐
5. Are visible hangers in place, securely attached and free of corrosion? (Date checked _____)	☒	☐	☐
6. Are system gauges (water/air) in good condition and showing normal pressures?	☐	☒	☐
7. Were system gauges (water/air) checked against a calibrated gauge or replaced in the last 5 years? (Date NO GAUGES	☐	☒	☐
B. Wet Systems			
1. Are areas protected by wet systems inside the property properly heated?	☒	☐	☐
2. There is no leakage from drain pipes indicating problems with retard chambers, alarm drains or main drain?	☐	☑	☐
3. Are inspection and flow test tags in place and filled out completely? NOT TAGS	☒	☒	☐
4. Was a flow test performed from inspector's test valve and did the alarms operate? NO ITVS	☐	☒	☐
5. Are cold weather valves in the appropriate ☐ (open) / ☐ (closed) position?	☐	☑	☐
6. Are antifreeze test results satisfactory?	☐	☑	☐
Test Results: Solution Type _____ Freeze Point _____			
C. Dry Systems (see trip test report dated _____)			
1. Are the air pressure and priming water level in accordance with the manufacturer's instructions?	☐	☑	☐
2. Is the air (compressor) or nitrogen supply in service and operating properly?	☐	☑	☐
3. Are quick-opening devices in service? (Semiannual test performed on _____)	☐	☑	☐
4. Are air maintenance device(s) installed and operating properly?	☐	☑	☐
5. Is the intermediate chamber free from leakage and the velocity check free & clear?	☐	☑	☐
6. Were low points drained during this inspection? (Quantity Drained _____) (see Part III J)	☐	☑	☐
7. Did the heating equipment in the valve enclosure operate at the time of inspection?	☐	☑	☐
D. Special Systems (Deluge—Preaction) (see trip test report dated _____)			
1. Did detection devices test satisfactorily during this inspection?	☐	☑	☐
2. Did the release/activation devices operate properly during detection testing?	☐	☑	☐
3. Is the air pressure and priming water level for the preaction system in accordance with manufacturer's instructions?	☐	☑	☐
E. Alarms (Wet, Dry, Preaction & Deluge)			
1. Are the alarm trim valves in the proper position, sealed and/or locked?	☐	☑	☐
2. Did the water motor and gong/electrical alarms (pressure and water flow) operate properly during testing? CANNOT TEST	☐	☐	☒
3. Did the central station/monitoring system receive all alarms?	☐	☐	☒
4. Did the low/high air alarms for the system piping/detection operate properly?	☐	☑	☐
5. Did tamper devices operate properly?	☐	☑	☐
F. Sprinklers			
1. Is the proper clearance maintained between the top of the storage and sprinkler deflector?	☒	☐	☐
2. Are all sprinklers free from corrosion, loading or obstruction to spray discharge?	☒	☐	☐
3. Are standard sprinklers in service for less than 50 years / dated after 1920?	☒	☐	☐
4. Are fast response sprinklers in service for less than 20 years?	☒	☐	☐
5. Is a spare head cabinet with spare sprinklers and proper wrenches installed at system riser?	☐	☐	☒
6. Are sprinklers near heating devices of proper temperature rating?	☒	☐	☐
G. Control Valves (see Item G.7)			
1. Are sprinkler system control valves in the appropriate position?	☒	☐	☐
2. Were operating stems of all O.S.&Y. valves lubricated, completely closed and reopened? (Date [redacted] 6-13	☒	☐	☐
3. Were all control valves operated through full range and returned to normal position? (Date [redacted] 6-13	☒	☐	☐
4. Are valves free from external leaks?	☒	☐	☐
5. Are valves properly identified with signs?	☐	☐	☒
6. Are pressure regulating control valves open, not leaking, maintaining downstream pressure and free from physical damage? (Date tested _____)	☐	☒	☐

Mtn. View Elementary

Fire & Life Safety America, Inc

Fire Protection Systems Report of Inspections

 Work Order #: _____ Date: 12-23-13

G. 7.

Control Valve Maintenance Table	Number	Type	Open	Secured	Closed	Signs	Tampers	Seal No.	Abnormal Condition
City Connection Control Valve									
Tank Control Valves									
Pump Control Valves									
Sectional Control Valves									
System Control Valves	8"	OS&Y	YES	YES	NO	Some	YES		
Other Control Valves									
Test Header Control Valve									
Pressure Reducing Control Valve									

H. Water Supply Data

	YES	N.A.	NO
1. Was a water flow test of main drain made at sprinkler riser?	☐	☐	☒

2. Water supply pressures:

a. City No Gauge psi c. Tank _____ psi

b. Fire pump N/A psi d. _____ N/A psi

3. Water flow test at sprinkler riser (in psi):

	Test Pipe Location	Size Test Pipe	Static	Residual	Static
a.	NO Main Drains				
b.					
c.					

	Test Pipe Location	Size Test Pipe	Static	Residual	Static
d.					
e.					
f.					

I. Explain any no answers and comment (see addendum(s) attached if checked ☑)

SEE Addendum

J. Adjustments or corrections made during this inspection: NOTE: System Locations

1. Elec Rm Kindergarten Hall
2. Record Rm
3. PTA Room
4. Outside Courtyard @ Art Rm.

K. This inspection was performed substantially in accordance with NFPA Standard: ☑ 25( ) ☑ 13( ) ☐ ___( ) ☐ ___( )

Although these comments are not the result of an engineering review, the following desirable improvements are recommended (see addendum(s) attached if checked ☑)

SEE Addendum

The information on this form is correct at the time and place of my inspection. The "fire protection system" was left in operational condition upon completion of this inspection except as noted above.

This report was reviewed with:

Leigh Porter Leigh Porter
Print Name Signature

By: Fire & Life Safety America, Inc.

Technician

12-23-13
Date

ISO 9001: 2008 Certified

FLSA FIRE & LIFE SAFETY AMERICA PROTECTING AMERICA

Inspection Contract: _____

Addendum Report of Inspection

Location: Mtn. View Elementary Test Date: 12-23-13

SUMMATION ITEMS

Form #	Corrections*, Comments & Suggestions - *All items marked with an asterisk (*) are required corrections.*
	Three are (4) 1" systems with 2 sprinkler heads a backflow and 2 control valves on each.
(1)	(4) Backflows are due for testing
(2)	5 yr maintenance is possibly due. Not sure of install date.
(3)	No ITVs were installed. Need to properly install ITVs on each system so flow switches can be tested.
(4)	No main drains were installed on the systems. Need to install main drains so a static & Residual test can be performed on each systems water supply.
(5)	No gauges were installed on the systems. Need to install proper gauges on each system so pressures can be recorded.

System restored to normal operation, alarm panel is clear, all parties on Summary Inspection Form notified, and any required corrections, comments and suggestions fully explained as noted above.

Name of Inspector/Technician Damon Alley Date 12-23-13

Signature Damon Alley Time _____

Name of Owner Representative Leigh Porter Date 12-23-13

Signature Leigh Porter Time 1:25

Fire & Life Safety America, Inc
1407 Mill Race Drive Salem, VA 24153
Tel: (540)378-6160 Fax: (540)378-6171

FIRE PROTECTION SYSTEM SUMMARY INSPECTION AND TESTING FORM

Date: 12/23/13 Work Order #:

GENERAL INFORMATION

Site Name: Glenvar Middle School Owner: Roanoke County Public Schools
Address: 4555 Malus Dr. Address:
City: Salem State: VA City: State:

Last Inspection Date: 6-2013 By: FLSA

This inspection is (check one): ☐ monthly ☐ bi-monthly ☒ quarterly ☐ semi-annual ☐ annual Report to:

PART A EQUIPMENT AND ALARMS

1. Central station notified / alarms silenced 12:00 AM / (PM) Alarms restored AM / PM
2. Fire Protection System(s) to be inspected (No., Size, Make, Model) 1-4" Wet System. 1-2½" PA System

PART B OWNER'S SECTION (to be answered by owner or occupant)

		Yes	N/A**	No*
1.	Is the property occupied?	✓		
2.	Has the occupancy classification or hazard of contents remained the same since the last inspection?	✓		
3.	Is the "fire protection system' in service?	✓		
4.	Has the "fire protection system" remained in service without modification or activation since last inspection?	✓		
5.	If "no" to 4, all changes to building or system(s) fully reviewed, documented and properly protected.	✓		
6.	Has the system been examined internally for obstructions where conditions exist that could cause obstructed piping? Date: 2-2009	✓		
7.	Has the system piping (dry, preaction, deluge) been checked for proper drainage and/or pitch?	✓		
8.	Is the "fire protection system" adequately protected from freezing?	✓		
9.	Have hazardous locations and materials been identified and safety instructions provided to the technician prior to performing the inspection?		✓	

PART C - TEST NOTIFICATIONS

	PRIOR TO START			UPON COMPLETION		
	Yes	No	Time	Yes	No	Time
Monitoring Entity/Central Station	✓		12:00	✓		1:20
Building Management	✓		12:00	✓		1:20
Building O ccupant	✓		12:00	✓		1:20
AHJ/FD						
Other (specify)						
Did alarm central station receive signal properly?				✓		LR 4/5
Did alarm panel reset properly?				✓		1:00

PART D - INSPECTION PERFORMED (Copies Attached of Items Checked)

- ☒ Sprinkler System Form
- ☐ Dry Valve Trip Test Report
- ☐ Sprinkler Piping Condition Form
- ☐ Fire Pump Inspection Form
- ☐ _____
- ☐ Standpipe Inspection Form
- ☐ Hydrant Flow Test Form
- ☐ Fire Alarm Detection Form
- ☐ Deluge/Pre-Action Trip Test Report
- ☐ _____
- ☐ Water Storage Tanks Form
- ☐ Private Fire Service Mains Form
- ☐ Backflow Test Form
- ☐ Addendum to Report of Inspection

Fire & Life Safety America, Inc
1407 Mill Race Drive Salem, VA 24153
Tel:(540)378-6160 Fax:(540)378-6171

Fire Protection Systems Report of Inspections

Work Order #: _____ Date: 12/23/13

Site Name	Glenvar Middle School		Owner	Roanoke County Public Schools	
Address	4555 Malus Dr		Address		
City	Salem	State VA	City		State
Zip	24153	Phone	Zip		Phone

PART I INSPECTOR'S SECTION (all responses reference current inspection)	Yes	N/A	No
A. General			
1. Is the hydraulic data plate in place, permanently marked and securely attached?	✓		
2. Is the fire department connection(s) in satisfactory condition, couplings free, caps in place,	✓		
check valves light and accessible and visible?	✓		
3. Has the system check valve(s) been internally inspected within in the last 5 years? (Date 09)	✓		
4. Is the visible exterior of the system piping in good condition and free from damage? (Date checked 6-13)	✓		
5. Are visible hangers in place, securely attached and free of corrosion? (Date checked 6-13)	✓		
6. Are system gauges (water/air) in good condition and showing normal pressures?	✓		
7. Were system gauges (water/air) checked against a calibrated gauge or replaced in the last 5 years? (Date 09)	✓		
B. Wet Systems			
1. Are areas protected by wet systems inside the property properly heated?	✓		
2. There is no leakage from drain pipes indicating problems with retard chambers, alarm drains or main drain?	✓		
3. Are inspection and flow test tags in place and filled out completely?	✓		
4. Was a flow test performed from Inspector's test valve and did the alarms operate?	✓		
5. Are cold weather valves in the appropriate (open) / (closed) position?		✓	
6. Are antifreeze test results satisfactory?		✓	
Test Results: Solution Type _____ Freeze Point _____		✓	
C. Dry Systems (see trip test report dated _____)			
1. Are the air pressure and priming water level in accordance with the manufacturer's instructions?		✓	
2. Is the air (compressor) or nitrogen supply in service and operating properly?		✓	
3. Are quick-opening devices in service? (Semiannual test performed on _____)		✓	
4. Are air maintenance device(s) installed and operating properly?		✓	
5. Is the intermediate chamber free from leakage and the velocity check free & clear?		✓	
6. Were low points drained during this inspection? (Quantity Drained _____) (see Part III.J)		✓	
7. Did the heating equipment in the valve enclosure operate at the time of inspection?		✓	
D. Special Systems (Deluge—Preaction) (see trip test report dated _____)			
1. Did detection devices test satisfactorily during this inspection?	✓		
2. Did the release/activation devices operate properly during detection testing?	✓		
3. Is the air pressure and priming water level for the preaction system in accordance with manufacturer's instructions?	✓		
E. Alarms (Wet, Dry, Preaction & Deluge)			
1. Are the alarm trim valves in the proper position, sealed and/or locked?	✓		
2. Did the water motor and gong/electrical alarms (pressure and water flow) operate properly during testing?	✓		
3. Did the central station/monitoring system receive all alarms?	✓		
4. Did the low/high air alarms for the system piping/detection operate properly?	✓		
5. Did tamper devices operate properly?	✓		
F. Sprinklers			
1. Is the proper clearance maintained between the top of the storage and sprinkler deflector?	✓		
2. Are all sprinklers free from corrosion, loading or obstruction to spray discharge?	✓		
3. Are standard sprinklers in service for less than 50 years / dated after 1920?	✓		
4. Are fast response sprinklers in service for less than 20 years?	✓		
5. Is a spare head cabinet with spare sprinklers and proper wrenches installed at system riser?	✓		
6. Are sprinklers near heating devices of proper temperature rating?	✓		
G. Control Valves (see item G.7)			
1. Are sprinkler system control valves in the appropriate position?	✓		
2. Were operating stems of all O.S.&Y. valves lubricated, completely closed and reopened? (Date 6-13)	✓		
3. Were all control valves operated through full range and returned to normal position? (Date 6-13)	✓		
4. Are valves free from external leaks?	✓		
5. Are valves properly identified with signs?	✓		
6. Are pressure regulating control valves open, not leaking, maintaining downstream pressure and			
free from physical damage? (Date tested _____)		✓	

Fire & Life Safety America, Inc

Fire Protection Systems Report of Inspections

 Work Order #: ____________ Date: 12/23/13

G. 7.

Control Valve Maintenance Table	Number	Type	Open	Secured	Closed	Signs	Tampers	Seal No.	Abnormal Condition
City Connection Control Valve	1	PIV	yes	yes	NO	yes	yes		
Tank Control Valves									
Pump Control Valves									
Sectional Control Valves Wet	2	BF	yes	yes	NO	yes	yes		
System Control Valves PA	1	BF	yes	yes	NO	yes	yes		
Other Control Valves BkFL	2	OS4	yes	yes	NO	yes	yes		
Test Header Control Valve									
Pressure Reducing Control Valve									

H. Water Supply Data

1. Was a water flow test of main drain made at sprinkler riser? YES ☒ N.A. ☐ NO ☐
2. Water supply pressures:
   - a. City 135 psi
   - b. Fire pump N/A psi
   - c. Tank N/A psi
   - d. N/A N/A psi
3. Water flow test at sprinkler riser (in psi):

	Test Pipe Location	Size Test Pipe	Static	Residual	Static
a.	@ wet	2"	135	120	135
b.					
c.	@ PA	3/4"	175	120	135
d.					
e.					
f.					

I. Explain any no answers and comment (see addendum(s) attached if checked ☐)

NONE

J. Adjustments or corrections made during this inspection: NONE

K. This inspection was performed substantially in accordance with NFPA Standard: ☒ 25(11) ☐ 13( ) ☐ ___( ) ☐ ___( )

Although these comments are not the result of an engineering review, the following desirable improvements are recommended (see addendum(s) attached if checked ☐)

The information on this form is correct at the time and place of my inspection. The "fire protection system" was left in operational condition upon completion of this inspection except as noted above.

This report was reviewed with: By: Fire & Life Safety America, Inc.

Michael Blankenship (Print Name) · Michael Blankenship (Signature) · [signature] (Technician) · 12/23/13 (Date)

ISO 9001:2008 Certified

FLSA FIRE & LIFE SAFETY AMERICA PROTECTING AMERICA

224134

1407 Mill Race Drive, Salem, VA 24153 • (540) 378-6160 • (800) 207-4350 • Fax (540) [illegible] • www.flsamerica.com

Date: 12-23-13 Inspection Contract #: _____

Fire Protection System Summary Inspection and Testing Form

- ☐ Raleigh Division - 7711 Welborn Street, Suite 103; Raleigh, NC 27615 (919) 872-3250
- ☐ Charlotte Division - 381 Industrial Court; Concord, NC 28025 (877) 855-7981
- ☐ Richmond Divison - 3017 Vernon Road; Richmond, VA 23228 (804) 222-1381
- ☐ Tidewater Division - 1113 Cavalier Blvd.; Chesapeake, VA 23323 (757)485-7486
- ☐ Atlanta Division- 5695 Oakbrook Pkwy., Suite E; Norcross, GA 30093 (770)448-4700
- ☒ Roanoke Division - 1407 Mill Race Drive; Salem, VA 24153 (540)378-6160
- ☐ N.VA Division- 14101 Sullyfield Circle, Suite 300; Chantilly, VA 20151 (703)502-0397
- ☐ Baltimore/Washington Division - 7526 Connelley Drive, Suite L; Hanover, MD 21076 (800) 252-7233

GENERAL INFORMATION

Property Name: Cave Spring High School Owner: SAME

Address: 3712 Chaparral DR Billing Address: _____

City: Roanoke State: VA Zip: 24018 City: _____ State: ____ Zip: _____

Last Inspection Date: 2013 By: FLSA

This inspection is (check one): ☐ monthly ☐ bimonthly ☐ quarterly ☒ semiannual ☐ annual Report to: Paul Hickman

PART A EQUIPMENT AND ALARMS

1. Central station notified/alarms silenced _____ AM/PM; alarms restored _____ AM/PM
2. Fire Protection System(s) to be inspected (No., Size, Make, Model) 2- STANDPIPE RISERS

PART B OWNER'S SECTION (to be answered by owner or occupant)

	Yes	N/A*	No*
1. Is the property occupied?	✓		
2. Has the occupancy classification or hazard of contents remained the same since the last inspection?	✓		
3. Is the "fire protection system" in service?	✓		
4. Has the "fire protection system" remained in service without modification or activation since last inspection?	✓		
5. If "no" to 4, all changes to building or system(s) fully reviewed, documented and properly protected.		✓	
6. Has the system been examined internally for obstructions where conditions exist that could cause obstructed piping? (Date ?)			✓
7. Has the system piping (dry, preaction, deluge) been checked for proper drainage and/or pitch?		✓	
8. Is the "fire protection system" adequately protected from freezing?	✓		
9. Have hazardous locations and materials been identified and safety instructions provided to the technician prior to performing the inspection?		✓	

PART C - TEST NOTIFICATIONS

	PRIOR TO START Yes	No	Time	UPON COMPLETION Yes	No	Time
Monitoring Entity/Central Station						
Building Management	✓		8:15	✓		9:15
Building Occupant	✓		8:15	✓		9:15
AHJ/FD						
Other (specify) _____						
Did alarm central station receive signal properly?						
Did alarm panel reset properly?						

PART D - INSPECTION PERFORMED (Copies Attached of Items Checked)

- ☒ Sprinkler System Form
- ☐ Dry Valve Trip Test Report
- ☐ Sprinkler Piping Condition Form
- ☐ Fire Pump Inspection Form
- ☐ Standpipe Inspection Form
- ☐ Hydrant Flow Test Form
- ☐ Fire Alarm Detection Form
- ☐ Deluge/Pre-Action Trip Test Report
- ☐ Water Storage Tanks Form
- ☐ Private Fire Service Mains Form
- ☐ Backflow Test Form
- ☐ Addendum to Report of Inspection

Fire & Life Safety America, Inc
1407 Mill Race Drive, Salem, VA 24153
Tel: (540) 378-6160 Fax: (540) 378-6171
http://flsamerica.com

Fire Protection Systems Report of Inspections

Work Order #: _____ Date: 12-23-13

Site Name	Cave Spring High School	Owner	Same
Address	3712 Chaparral DR	Address	
City	Roanoke State VA	City	State
Zip	24018 Phone	Zip	Phone

PART I INSPECTOR'S SECTION (all responses reference current inspection)	Yes	N/A	No
A. General			
1. Is the hydraulic data plate in place, permanently marked and securely attached?	☐	☒	☐
2. Is the fire department connection(s) in satisfactory condition, couplings free, caps in place, check valves tight and accessible and visible?	☐	☒	☐
3. Has the system check valve(s) been internally inspected within in the last 5 years? (Date ?)	☐	☐	☒
4. Is the visible exterior of the system piping in good condition and free from damage? (Date checked 12-13)	☑	☐	☒
5. Are visible hangers in place, securely attached and free of corrosion? (Date checked 12-13)	☒	☐	☐
6. Are system gauges (water/air) in good condition and showing normal pressures?	☐	☐	☐
7. Were system gauges (water/air) checked against a calibrated gauge or replaced in the last 5 years? (Date ?)	☐	☐	☒
B. Wet Systems			
1. Are areas protected by wet systems inside the property properly heated?	☒	☐	☐
2. There is no leakage from drain pipes indicating problems with retard chambers, alarm drains or main drain?	☒	☐	☐
3. Are inspection and flow test tags in place and filled out completely?	☒	☐	☐
4. Was a flow test performed from inspector's test valve and did the alarms operate? CANNOT FLOW	☐	☒	☐
5. Are cold weather valves in the appropriate ☐ (open) / ☐ (closed) position?	☐	☒	☐
6. Are antifreeze test results satisfactory?	☐	☒	☐
Test Results: Solution Type _____ Freeze Point _____			
C. Dry Systems (see trip test report dated _____)			
1. Are the air pressure and priming water level in accordance with the manufacturer's instructions?	☐	☒	☐
2. Is the air (compressor) or nitrogen supply in service and operating properly?	☐	☒	☐
3. Are quick-opening devices in service? (Semiannual test performed on _____)	☐	☒	☐
4. Are air maintenance device(s) installed and operating properly?	☐	☒	☐
5. Is the intermediate chamber free from leakage and the velocity check free & clear?	☐	☒	☐
6. Were low points drained during this inspection? (Quantity Drained _____) (see Part III J)	☐	☒	☐
7. Did the heating equipment in the valve enclosure operate at the time of inspection?	☐	☒	☐
D. Special Systems (Deluge—Preaction) (see trip test report dated _____)			
1. Did detection devices test satisfactorily during this inspection?	☐	☒	☐
2. Did the release/activation devices operate properly during detection testing?	☐	☒	☐
3. Is the air pressure and priming water level for the preaction system in accordance with manufacturer's instructions?	☐	☒	☐
E. Alarms (Wet, Dry, Preaction & Deluge)			
1. Are the alarm trim valves in the proper position, sealed and/or locked?	☐	☒	☐
2. Did the water motor and gong/electrical alarms (pressure and water flow) operate properly during testing? CANNOT FLOW	☐	☐	☐
3. Did the central station/monitoring system receive all alarms? CANNOT FLOW	☐	☐	☐
4. Did the low/high air alarms for the system piping/detection operate properly?	☐	☒	☐
5. Did tamper devices operate properly?	☐	☒	☐
F. Sprinklers			
1. Is the proper clearance maintained between the top of the storage and sprinkler deflector?	☒	☐	☐
2. Are all sprinklers free from corrosion, loading or obstruction to spray discharge?	☒	☐	☐
3. Are standard sprinklers in service for less than 50 years / dated after 1920?	☒	☐	☐
4. Are fast response sprinklers in service for less than 20 years?	☐	☒	☐
5. Is a spare head cabinet with spare sprinklers and proper wrenches installed at system riser?	☒	☐	☐
6. Are sprinklers near heating devices of proper temperature rating?	☒	☐	☐
G. Control Valves (see item G.7)			
1. Are sprinkler system control valves in the appropriate position?	☒	☐	☐
2. Were operating stems of all O.S.&Y. valves lubricated, completely closed and reopened? (Date 12-13)	☒	☐	☐
3. Were all control valves operated through full range and returned to normal position? (Date 12-13)	☒	☐	☐
4. Are valves free from external leaks?	☒	☐	☐
5. Are valves properly identified with signs?	☒	☐	☒
6. Are pressure regulating control valves open, not leaking, maintaining downstream pressure and free from physical damage? (Date tested _____)	☐	☒	☐