

Revit File: Autodesk Docs://21A10111 - LT Fire Suppression Improvements/21A10111 - LT Fire Suppression Improvements - R23.rvt
Plot Date: 5/2/2025 2:42:11 PM



VSC Fire & Security
Cabot Sprinkler
185 Arena Road
Cabot
AR
72023
(501) 843-9392

FIRE SECURITY

www.VSCFire.com

Important : Deficiencies, comments and explanations of any FAIL or NEGATIVE responses are indicated on the Work Acknowledgment attachment for this Inspection/Test.

Frequency	Weekly	Inspection Type	Fire Pump Inspection & Churn Test
Current State accepted NFPA	Arkansas-NFPA 25, 2011 Edition, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems		
Standard Edition:			
Technician's Name:	Shawn Beard	Inspection Date	05/31/23 07:58:19 AM

Location			
Location Name	Airport Business Park		
Street Address	2400 David Grundfest Junior Drive		
City	State	AR	Zip Code 72206
Billing			
Location Name	Little Rock Municipal Airport Commission		
Street Address	1 Airport Road		
City	State	AR	Zip Code 72202
Contact Information			
Name	Randy Ellison	Phone	(501) 537-7320
Email	rellison@clintonairport.com		
Notifications			
This inspection test requires disabling/restoring a Fire System and/or notifying a Monitoring Service.			
Date(s) put on test:	5/31/23	Time(s) put on test:	8:00
Date(s) restored:	5/31/23	Time(s) restored:	9:00
Monitoring Company and Operator Name(s) notified of test and restoral: Airport Security			
Name(s) of Owner, Owner's Rep., Occupants and/or Tenants notified of test, restoral and any deficiencies: N/A			
Local Emergency Services, AHJ, or Insurance Rep. notified of test, restoral, or any impairments, if required: N/A			
TECHNICIAN'S COMMENTS			
Any known adverse conditions noted which existed prior to this inspection and test: Issues regarding restoral, or conditions which preclude restoral of Fire Protection Equipment/System(s):			
None			

Fire Pump Inspection & Test						
Fire Pump Information						
ID # / Area / Location	Manufacturer	Model	Serial Number			
Bldg 1000 Pump #1	Fairbanks Morse	2823A	K3W1-021614-2			
Type	GPM	Max PSI (Churn)	Rated PSI (100%)	150% Rated PSI	Pump Speed	
Horizontal Split-Case	2500	75	65	53.1	1785	
Fire Pump Driver Information						
Type	Manufacturer	Model	Serial Number			
Electric	Marathon	NA	WN444TSTD57026EP			
Rated RPM	Rated Volts	Rated Amps	Horse Power	Cycles	Phase	Service Factor
1780	460	460	150	60	3	1.15
179						
Fire Pump Controller Information						
Manufacturer	Model	Serial Number				
Metron	M300M-150-460C	FE-9043648-01				
Controller Type	Volts	Amps	Cycles	Phase		
Across-The-Line-Start	460	NA	60	3		
Transfer Switch Information, Inspection and Test						
Manufacturer	Model	Serial Number				
NA	NA	NA				
Tag Color						
During each inspection: Transfer Switch free of any damage of abnormal conditions, and controls in normal position? Pass						
Annually: Transfer, or simulated transfer of power, and return to normal power during full flow conditions acceptable? Pass						
Jockey Pump System Information						
Motor	Manufacturer	HP	Model	84204053	Serial #	F1702233414
Pump	Manufacturer	3	Volts	208-230/60	Amps	7.6-6.8/3.4
Controller	Manufacturer	Grundfos	Model	CR5-7	Serial #	NA
		Cutler				
		Hammer	Model	FDIP-2D	Serial #	16B1206J
Fire Pump Inspection & Operational Test						
Visual inspection and operational test satisfactory? Pass						
Annual Flow Test within acceptable percentage of ratings? Pass						
BEFORE OPERATION - SUCTION Gauge pressure: 115						
BEFORE OPERATION - SYSTEM LINE Discharge PSI: 95						
Jockey Pump Start Pressure from Sensing Line Gauge: 152						
Jockey Pump Stop Pressure from Sensing Line Gauge: 170						
Fire Pump Start Pressure from Sensing Line Gauge: 140						
Jockey Start/Stop & Fire Pump Start settings satisfactory? Pass						
DURING CHURN - Fire Pump SUCTION Gauge pressure: 115						
DURING CHURN - Fire Pump DISCHARGE Gauge pressure: 170						
Is there a Low Suction Control Panel or Device? Yes						
Did the Low Suction Panel or Device function properly? Pass						
Diesel Engine Fuel Level at, or above, 2/3 Full? N/A						
Record Diesel Engine Run Time Hours, if applicable: N/a						
Is there a Main Pressure Reducing Valve installed? No						
Did the Main Pressure Reducing Valve operate properly? N/A						
Record Time Fire Pump operated (Electric or Diesel): 10 min						
Fire Pump Inspection & Test						
Fire Pump Information						
ID # / Area / Location	Manufacturer	Model	Serial Number			
Bldg 1000 Pump #2	Fairbanks Morse	2823A	K3W1-021614-1			
Type	GPM	Max PSI (Churn)	Rated PSI (100%)	150% Rated PSI	Pump Speed	
Horizontal Split-Case	2500	75	65	53.1	1785	
Fire Pump Driver Information						
Type	Manufacturer	Model	Serial Number			
Electric	Marathon	NA	WN444TSTD57026EP			
Rated RPM	Rated Volts	Rated Amps	Horse Power	Cycles	Phase	Service Factor
1780	460	460	150	60	3	1.15
179						
Fire Pump Controller Information						
Manufacturer	Model	Serial Number				
Metron	M300M-150-460C	FE-9043653-03				
Controller Type	Volts	Amps	Cycles	Phase		
Across-The-Line-Start	460	NA	60	3		
Transfer Switch Information, Inspection and Test						
Manufacturer	Model	Serial Number				
NA	NA	NA				
Tag Color						
During each inspection: Transfer Switch free of any damage of abnormal conditions, and controls in normal position? Pass						
Annually: Transfer, or simulated transfer of power, and return to normal power during full flow conditions acceptable? Pass						
Jockey Pump System Information						
Manufacturer	Baldor	Model	84204053	Serial #	F1702233414	

Across-The-Line-Start	460	NA	60	3
Transfer Switch Information, Inspection and Test				
Manufacturer	Model	Serial Number		
NA	NA	NA		
Tag Color				
During each inspection: Transfer Switch free of any damage of abnormal conditions, and controls in normal position? Pass				
Annually: Transfer, or simulated transfer of power, and return to normal power during full flow conditions acceptable? Pass				
Jockey Pump System Information				
Motor	Manufacturer	HP	Model	84204053
		3	Volts	208-230/60
Pump	Manufacturer	Grundfos	Model	CR5-7
		Cutler		Serial #
Controller	Manufacturer	Hammer	Model	FDIP-2D
				Serial #
				16B1206J
Fire Pump Inspection & Operational Test				
Visual inspection and operational test satisfactory? Pass				
Annual Flow Test within acceptable percentage of ratings? Pass				
BEFORE OPERATION - SUCTION Gauge pressure: 80				
BEFORE OPERATION - SYSTEM LINE Discharge PSI: 106				
Jockey Pump Start Pressure from Sensing Line Gauge: 152				
Jockey Pump Stop Pressure from Sensing Line Gauge: 170				
Fire Pump Start Pressure from Sensing Line Gauge: 115				
Jockey Start/Stop & Fire Pump Start settings satisfactory? Pass				
DURING CHURN - Fire Pump SUCTION Gauge pressure: 80				
DURING CHURN - Fire Pump DISCHARGE Gauge pressure: 170				
Is there a Low Suction Control Panel or Device? Yes				
Did the Low Suction Panel or Device function properly? Pass				
Diesel Engine Fuel Level at, or above, 2/3 Full? N/A				
Record Diesel Engine Run Time Hours, if applicable: N/a				
Is there a Main Pressure Reducing Valve installed? No				
Did the Main Pressure Reducing Valve operate properly? N/A				
Record Time Fire Pump operated (Electric or Diesel): 10 min				
Fire Pump Inspection & Test				

Fire Pump Information						
ID # / Area / Location	Manufacturer	Model	Serial Number			
Bldg 1000 Pump #4	Fairbanks Morse	2823A	K3W1-021614-0			
Type	GPM	Max PSI (Churn)	Rated PSI (100%)	150% Rated PSI	Pump Speed	
Horizontal Split-Case	2500	75	65	53.1	1785	
Fire Pump Driver Information						
Type	Manufacturer	Model	Serial Number			
Electric	Marathon	NA	WN444TSTD57026EP			
Rated RPM	Rated Volts	Rated Amps	Horse Power	Cycles	Phase	Service Factor
1780	460	460	150	60	3	1.15
179						
Fire Pump Controller Information						
Manufacturer	Model	Serial Number				
Metron	M300M-150-460C	FE-9043653-03				
Controller Type	Volts	Amps	Cycles	Phase		
Across-The-Line-Start	460	NA	60	3		
Transfer Switch Information, Inspection and Test						
Manufacturer	Model	Serial Number				
NA	NA	NA				
Tag Color						
During each inspection: Transfer Switch free of any damage of abnormal conditions, and controls in normal position? Pass						
Annually: Transfer, or simulated transfer of power, and return to normal power during full flow conditions acceptable? Pass						
Jockey Pump System Information						
Manufacturer	Baldor	Model	84204053	Serial #	F1702233414	

Fire Pump Information						
Type	Manufacturer	Model	Serial Number			
Electric	Marathon	NA	WN444TSTD57026EP			
Rated RPM	Rated Volts	Rated Amps	Horse Power	Cycles	Phase	Service Factor
1780	460	460	150	60	3	1.15
179						
Fire Pump Controller Information						
Manufacturer	Model	Serial Number				
Metron	M300M-150-460C	FE-9043653-02				
Controller Type	Volts	Amps	Cycles	Phase		
Across-The-Line-Start	460	NA	60	3		
Transfer Switch Information, Inspection and Test						
Manufacturer	Model	Serial Number				
NA	NA	NA				
Tag Color						
During each inspection: Transfer Switch free of any damage of abnormal conditions, and controls in normal position? Pass						
Annually: Transfer, or simulated transfer of power, and return to normal power during full flow conditions acceptable? Pass						
Jockey Pump System Information						
Motor	Manufacturer	HP	Model	84204053	Serial #	F1702233414
Pump	Manufacturer	3	Volts	208-230/60	Amps	7.6-6.8/3.4
Controller	Manufacturer	Cutler	Model	CR5-7	Serial #	NA
		Hammer	Model	FDIP-2D	Serial #	16B1206J
Fire Pump Inspection & Operational Test						
Visual inspection and operational test satisfactory? Pass						
Annual Flow Test within acceptable percentage of ratings? Pass						
BEFORE OPERATION - SUCTION Gauge pressure: 93						
BEFORE OPERATION - SYSTEM LINE Discharge PSI: 120						
Jockey Pump Start Pressure from Sensing Line Gauge: 1152						
Jockey Pump Stop Pressure from Sensing Line Gauge: 170						
Fire Pump Start Pressure from Sensing Line Gauge: 130						
Jockey Start/Stop & Fire Pump Start settings satisfactory? Pass						
DURING CHURN - Fire Pump SUCTION Gauge pressure: 92						
DURING CHURN - Fire Pump DISCHARGE Gauge pressure: 190						
Is there a Low Suction Control Panel or Device? Yes						
Did the Low Suction Panel or Device function properly? Pass						
Diesel Engine Fuel Level at, or above, 2/3 Full? N/A						
Record Diesel Engine Run Time Hours, if applicable: N/a						
Is there a Main Pressure Reducing Valve installed? No						
Did the Main Pressure Reducing Valve operate properly? N/A						
Record Time Fire Pump operated (Electric or Diesel): 10 min						
Fire Pump Inspection & Test						
Fire Pump Information						
ID # / Area / Location	Manufacturer	Model	Serial Number			
Bldg 1000 Pump #3	Fairbanks Morse	2823A	K3W1-021612			
Type	GPM	Max PSI (Churn)	Rated PSI (100%)	150% Rated PSI	Pump Speed	
Horizontal Split-Case	2500	75	65	53.1	1785	
Fire Pump Driver Information						
Type	Manufacturer	Model	Serial Number			
Electric	Marathon	NA	WN444TSTD57026EP			
Rated RPM	Rated Volts	Rated Amps	Horse Power	Cycles	Phase	Service Factor
1780	460	460	150	60	3	1.15
179						
Fire Pump Controller Information						
Manufacturer	Model	Serial Number				
Metron	M300M-150-460C	FE-9043653-01				
Controller Type	Volts	Amps	Cycles	Phase		
Across-The-Line-Start	460	NA	60	3		

Motor	HP	3	Volts	208-230/60	Amps	7.6-6.8/3.4
Pump	Manufacturer	Grundfos	Model	CR5-7	Serial #	NA
Controller	Manufacturer	Cutler	Model	FDIP-2D	Serial #	16B1206J
		Hammer				
Fire Pump Inspection & Operational Test						
Visual inspection and operational test satisfactory? Pass						
Annual Flow Test within acceptable percentage of ratings? Pass						
BEFORE OPERATION - SUCTION Gauge pressure: 110						
BEFORE OPERATION - SYSTEM LINE Discharge PSI: 115						
Jockey Pump Start Pressure from Sensing Line Gauge: 152						
Jockey Pump Stop Pressure from Sensing Line Gauge: 170						
Fire Pump Start Pressure from Sensing Line Gauge: 110						
Jockey Start/Stop & Fire Pump Start settings satisfactory? Pass						
DURING CHURN - Fire Pump SUCTION Gauge pressure: 105						
DURING CHURN - Fire Pump DISCHARGE Gauge pressure: 190						
Is there a Low Suction Control Panel or Device? Yes						
Did the Low Suction Panel or Device function properly? Pass						
Diesel Engine Fuel Level at, or above, 2/3 Full? N/A						
Record Diesel Engine Run Time Hours, if applicable: N/a						
Is there a Main Pressure Reducing Valve installed? No						
Did the Main Pressure Reducing Valve operate properly? N/A						
Record Time Fire Pump operated (Electric or Diesel): 10 min						



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FOR REFERENCE ONLY

BY									
DESCRIPTION									
DATE									
REV									
BILL AND HILARY CLINTON NATIONAL AIRPORT LITTLE ROCK, AR 72206									
LIT FIRE SUPPRESSION IMPROVEMENTS									

EXISTING FIRE PUMP
TEST REFERENCE
DRAWING

JOB NO.: 21A10111
DATE: MAY 2025
DESIGNED BY: JCF
DRAWN BY: JCF

BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

R-19